

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
 Data File : BF089824.D
 Acq On : 23 Aug 2016 10:32
 Operator : UM/SJ
 Sample : H4547-01MSD
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Manual Integrations
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 8/25/2016 5:22:04 PM

Quant Time: Aug 25 13:26:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	504940	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	1970224	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	956517	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1815288	20.00	ng	0.00
75) Chrysene-d12	13.92	240	1539357	20.00	ng	0.05
86) Perylene-d12	15.51	264	1451142	20.00	ng	0.14

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	2722836	92.47	ng	-0.01
7) Phenol-d6	6.31	99	3408063	94.29	ng	-0.01
23) Nitrobenzene-d5	7.23	82	2081311	65.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	946993	104.18	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3512853	64.55	ng	-0.01
78) Terphenyl-d14	12.79	244	3281715	48.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.18	88	426827	29.29	ng	98
3) Pyridine	2.81	79	1244736	32.57	ng	95
4) n-Nitrosodimethylamine	2.78	42	486229	34.17	ng	# 71
6) Aniline	6.33	93	1094117	22.57	ng	96
8) 2-Chlorophenol	6.44	128	1162782	33.02	ng	100
9) Benzaldehyde	6.20	77	323840	13.75	ng	89
10) Phenol	6.32	94	1338566	31.60	ng	98
11) bis(2-Chloroethyl)ether	6.41	93	1196726	36.43	ng	99
12) 1,3-Dichlorobenzene	6.60	146	1197664	32.54	ng	98
13) 1,4-Dichlorobenzene	6.68	146	1263621	33.39	ng	99
14) 1,2-Dichlorobenzene	6.84	146	1183544	33.51	ng	98
15) Benzyl Alcohol	6.81	79	940453	39.24	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.96	45	1307228	31.09	ng	92
17) 2-Methylphenol	6.94	107	1027218	37.25	ng	96
18) Hexachloroethane	7.19	117	491714m	36.44	ng	
19) n-Nitroso-di-n-propylamine	7.10	70	844494	36.53	ng	88
20) 3+4-Methylphenols	7.08	107	1259286	37.24	ng	98
22) Acetophenone	7.08	105	1695070	37.47	ng	# 89
24) Nitrobenzene	7.26	77	1408585	39.59	ng	92
25) Isophorone	7.50	82	2185478	34.17	ng	98
26) 2-Nitrophenol	7.58	139	708131	39.89	ng	98
27) 2,4-Dimethylphenol	7.62	122	1191211	37.23	ng	98
28) bis(2-Chloroethoxy)methane	7.72	93	1458400	36.85	ng	# 96
29) 2,4-Dichlorophenol	7.82	162	1063663	39.62	ng	98
30) 1,2,4-Trichlorobenzene	7.90	180	1006479	33.89	ng	99
31) Naphthalene	7.98	128	4732622	51.40	ng	96
32) Benzoic acid	7.70	122	149392	5.99	ng	# 84
33) 4-Chloroaniline	8.03	127	607364	15.22	ng	98
34) Hexachlorobutadiene	8.10	225	502216	32.30	ng	99
35) Caprolactam	8.39	113	300302	36.73	ng	90
36) 4-Chloro-3-methylphenol	8.52	107	1099228	37.81	ng	92
37) 2-Methylnaphthalene	8.67	142	3128648	52.52	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	725933	23.44	ng	97
40) Hexachlorocyclopentadiene	8.83	237	980591	91.19	ng	97

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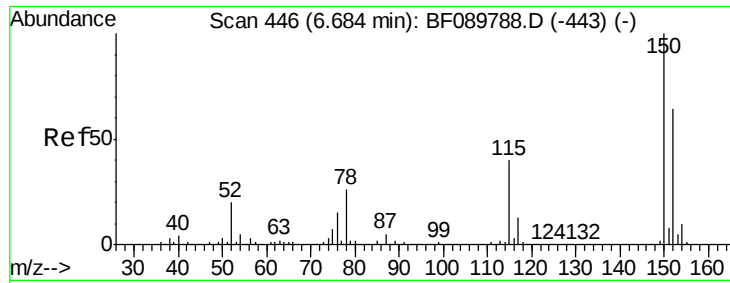
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.95	196	714470	36.66	ng	98
43) 2,4,5-Trichlorophenol	8.99	196	714027	36.84	ng #	93
45) 1,1'-Biphenyl	9.13	154	2306761	31.16	ng	99
46) 2-Chloronaphthalene	9.15	162	1989501	34.00	ng	98
47) 2-Nitroaniline	9.26	65	695791	41.69	ng #	67
48) Acenaphthylene	9.56	152	3066654	34.88	ng	100
49) Dimethylphthalate	9.45	163	3880071	57.61	ng #	99
50) 2,6-Dinitrotoluene	9.50	165	520062	33.45	ng #	86
51) Acenaphthene	9.74	154	2138488	36.75	ng	100
52) 3-Nitroaniline	9.66	138	376120	21.83	ng	97
53) 2,4-Dinitrophenol	9.77	184	341789	46.18	ng #	66
54) Dibenzofuran	9.92	168	2970503	40.64	ng #	88
55) 4-Nitrophenol	9.83	139	955628	67.96	ng	91
56) 2,4-Dinitrotoluene	9.90	165	695366	34.47	ng #	66
57) Fluorene	10.25	166	2104107	36.12	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.03	232	614375	43.56	ng #	97
59) Diethylphthalate	10.15	149	2489140	36.38	ng	98
60) 4-Chlorophenyl-phenylether	10.25	204	903037	33.99	ng	95
61) 4-Nitroaniline	10.27	138	568890	35.22	ng	98
62) Azobenzene	10.41	77	2487751	38.68	ng	95
64) 4,6-Dinitro-2-methylphenol	10.31	198	354583	33.99	ng #	55
65) n-Nitrosodiphenylamine	10.38	169	2162033	37.88	ng	100
66) 4-Bromophenyl-phenylether	10.74	248	672736	35.35	ng #	86
67) Hexachlorobenzene	10.80	284	707514	32.59	ng #	87
68) Atrazine	10.90	200	579407	33.15	ng	97
69) Pentachlorophenol	10.99	266	812746	66.04	ng	98
70) Phenanthrene	11.21	178	3277890	35.75	ng	96
71) Anthracene	11.26	178	3264723	35.03	ng	99
72) Carbazole	11.42	167	3003962	35.94	ng	97
73) Di-n-butylphthalate	11.77	149	3944502	37.71	ng	98
74) Fluoranthene	12.41	202	3365049	38.59	ng	95
76) Benzidine	12.53	184	1459968	29.31	ng	97
77) Pyrene	12.63	202	3172958	25.31	ng	95
79) Butylbenzylphthalate	13.30	149	1732582	30.60	ng #	85
80) Benzo(a)anthracene	13.91	228	3010912	34.15	ng	99
81) 3,3'-Dichlorobenzidine	13.87	252	800556	27.70	ng	98
82) Chrysene	13.95	228	2656623	35.15	ng	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	2274915	29.17	ng #	100
84) Di-n-octyl phthalate	14.67	149	4170020	40.24	ng #	94
85) Indeno(1,2,3-cd)pyrene	16.81	276	2537004	26.31	ng	99
87) Benzo(b)fluoranthene	15.10	252	3117996	39.06	ng #	94
88) Benzo(k)fluoranthene	15.12	252	2516778m	34.75	ng	
89) Benzo(a)pyrene	15.45	252	2710645	35.87	ng #	94
90) Dibenzo(a,h)anthracene	16.83	278	2139236	26.08	ng	98
91) Benzo(g,h,i)perylene	17.19	276	2049744	23.73	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

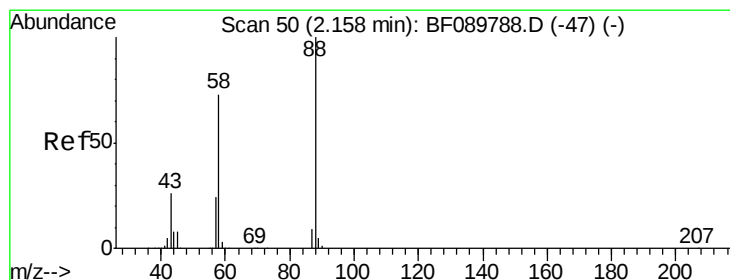
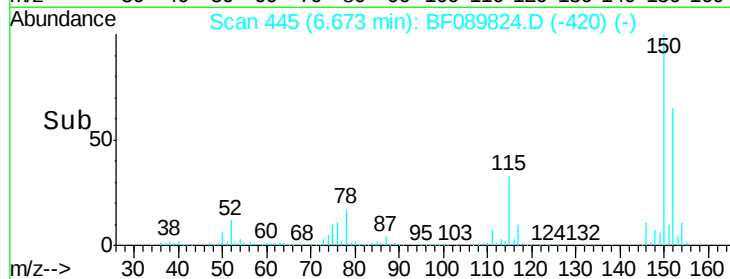
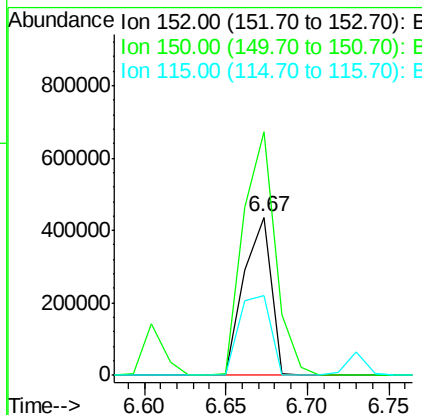
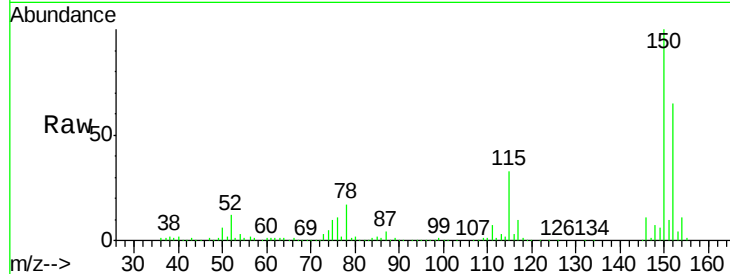
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.8	125.3	187.9
115	50.2	40.9	61.3

Manual Integrations
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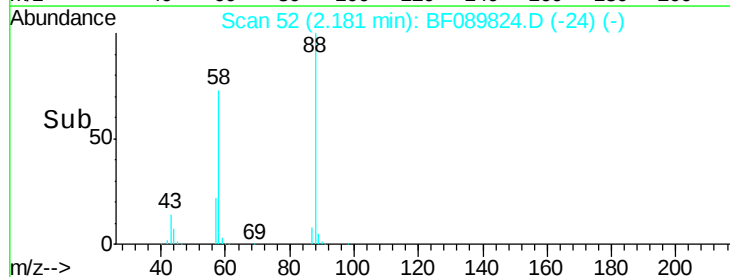
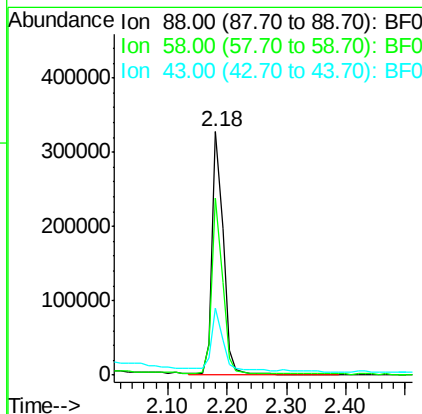
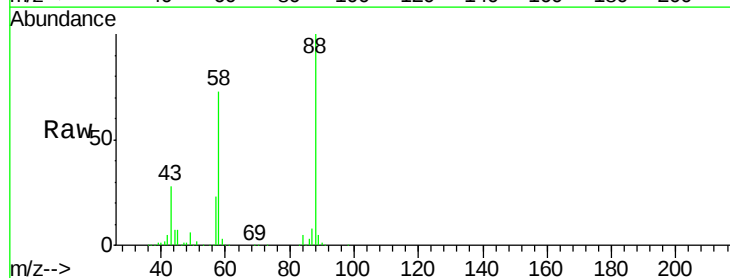
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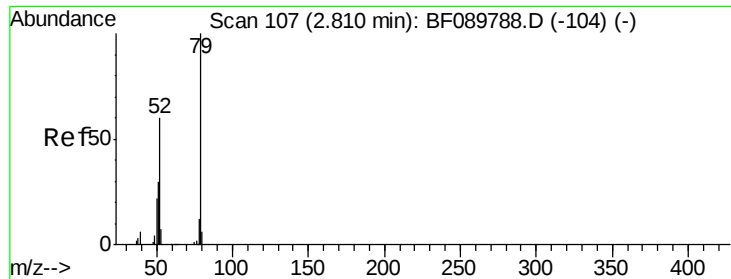


#2

1,4-Dioxane
Concen: 29.29 ng
RT: 2.18 min Scan# 52
Delta R.T. 0.02 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.0	57.0	85.4
43	26.7	21.8	32.8





#3

Pyridine

Concen: 32.57 ng

RT: 2.81 min Scan# 107

Delta R.T. -0.00 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion: 79 Resp: 1244736

Ion Ratio Lower Upper

79 100

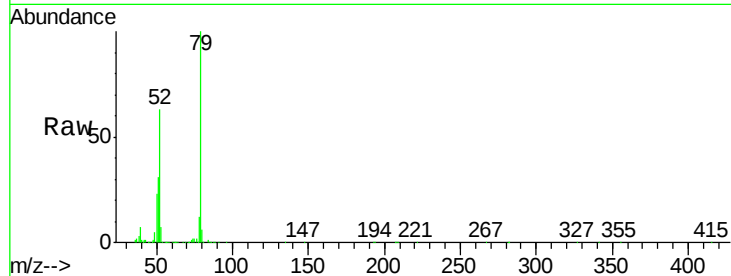
52 62.5 53.6 80.4

51 30.6 26.6 39.8

Manual Integrations
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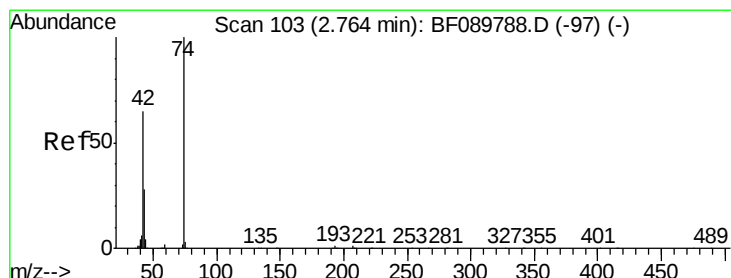
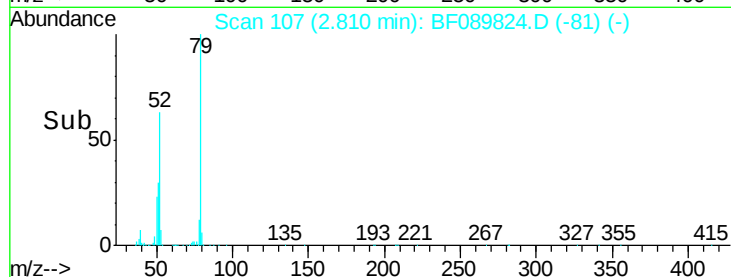
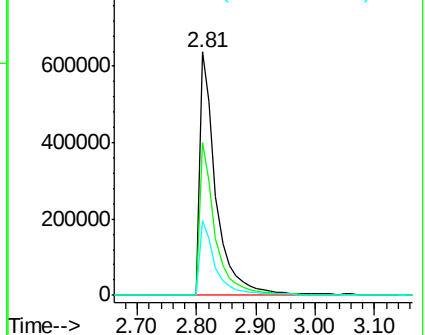
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Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 34.17 ng

RT: 2.78 min Scan# 104

Delta R.T. 0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

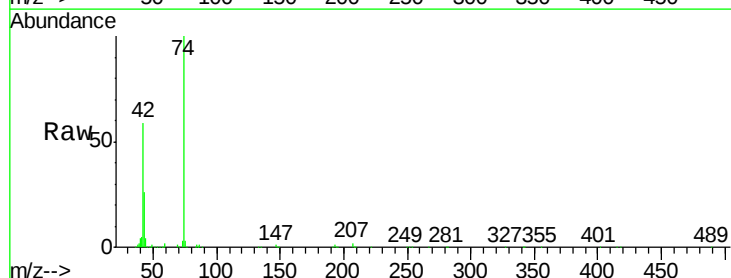
Tgt Ion: 42 Resp: 486229

Ion Ratio Lower Upper

42 100

74 168.5 106.2 159.2#

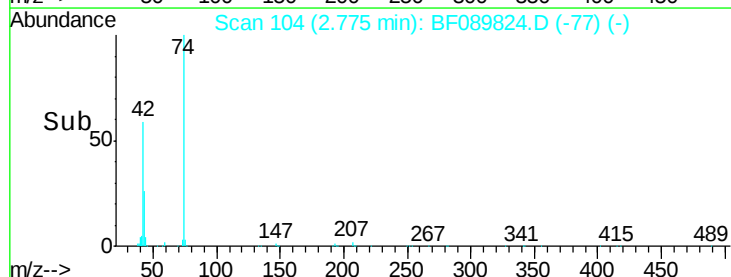
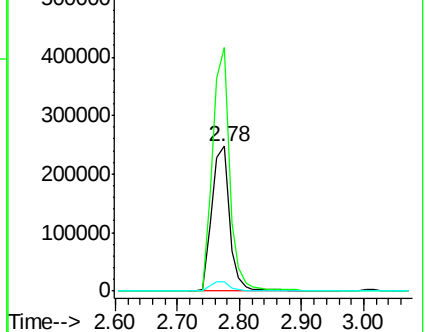
44 6.9 6.9 10.3

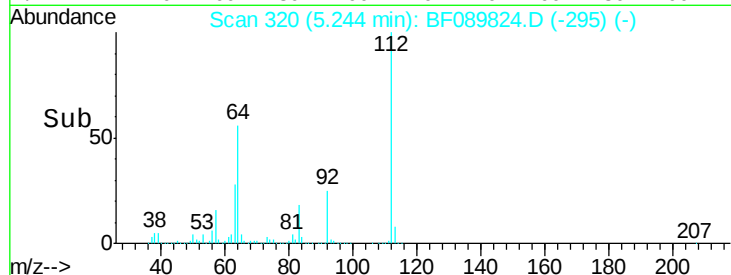
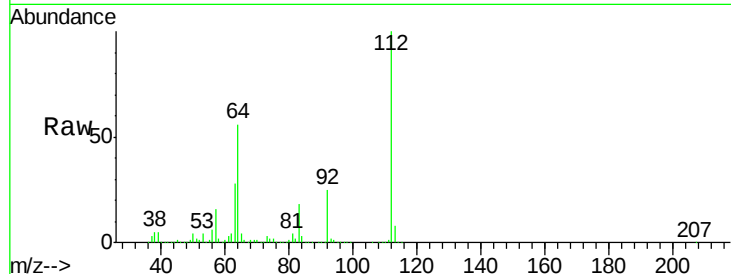
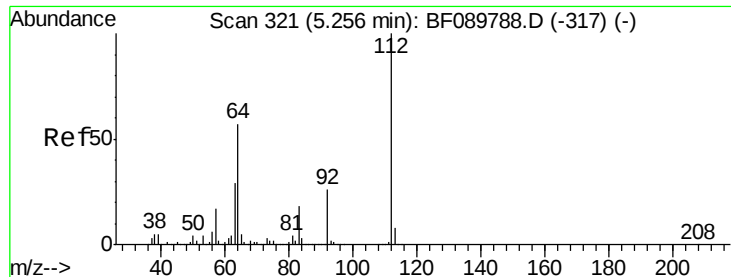


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 92.47 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Tgt Ion:	112	Resp:	2722836
Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.0	67.4
63	28.4	23.1	34.7

Instrument :

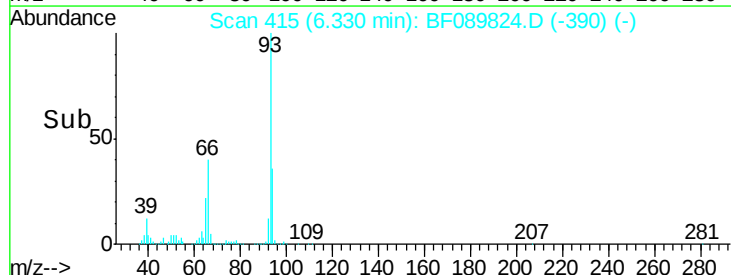
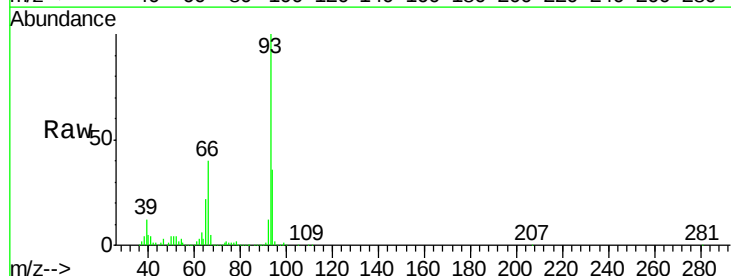
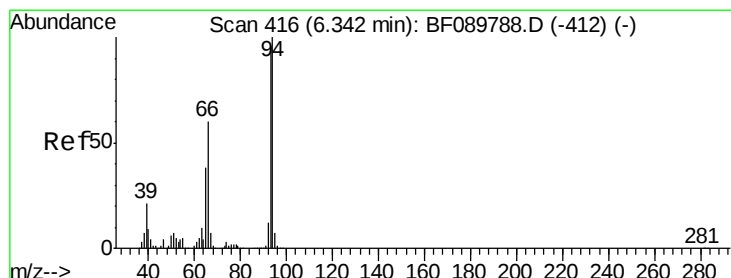
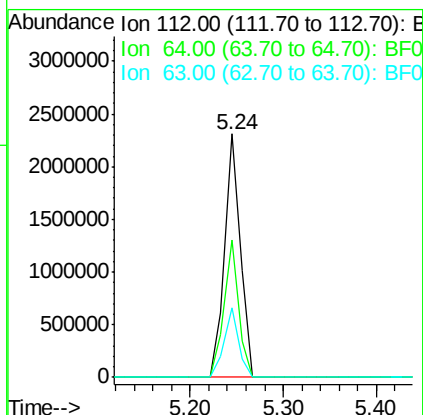
BNA_F

ClientSampleId :

D-1(2-2.5)MSD

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#6

Aniline

Concen: 22.57 ng

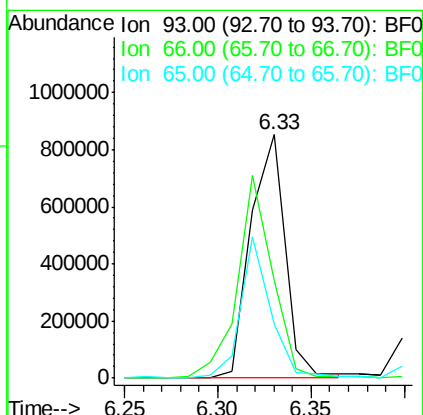
RT: 6.33 min Scan# 415

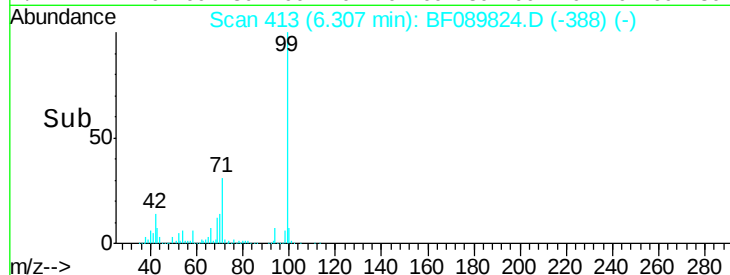
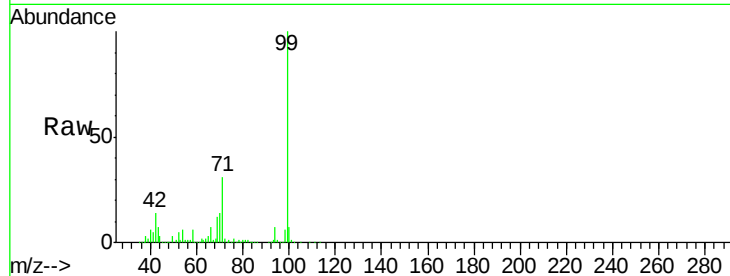
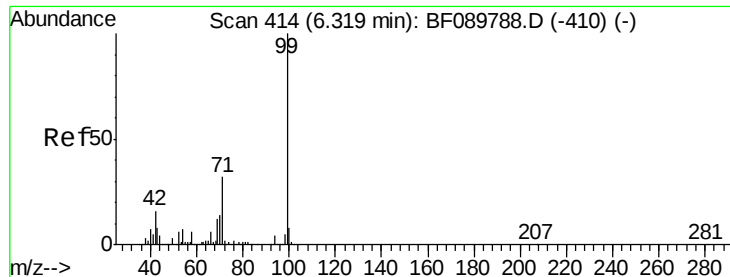
Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Tgt Ion:	93	Resp:	1094117
Ion	Ratio	Lower	Upper
93	100		
66	40.0	30.6	46.0
65	22.4	15.4	23.2





#7

Phenol-d6

Concen: 94.29 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Tgt Ion: 99 Resp: 3408063

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.4

71 31.0 23.8 35.8

Instrument :

BNA_F

ClientSampleId :

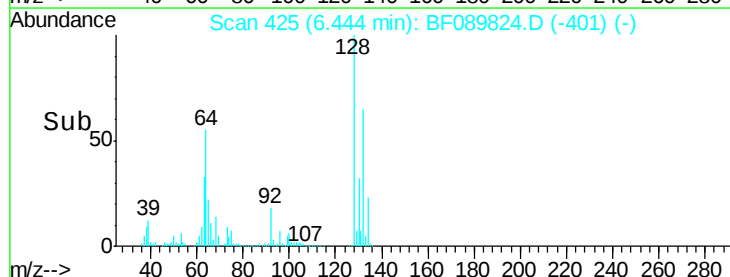
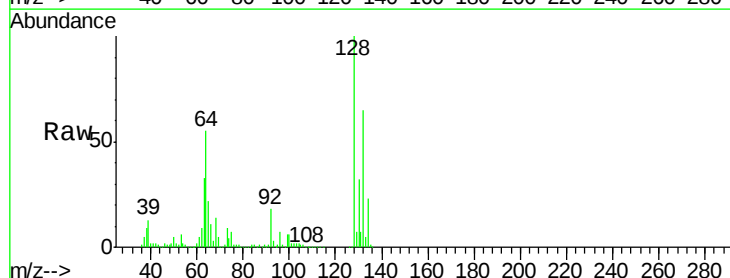
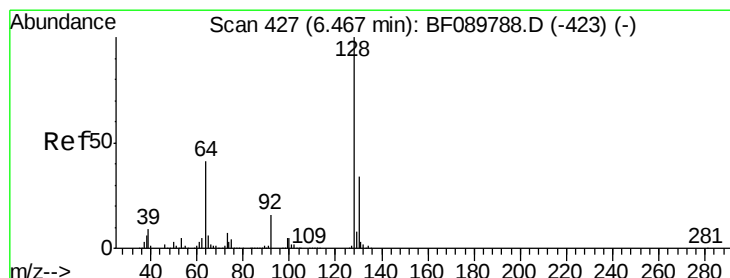
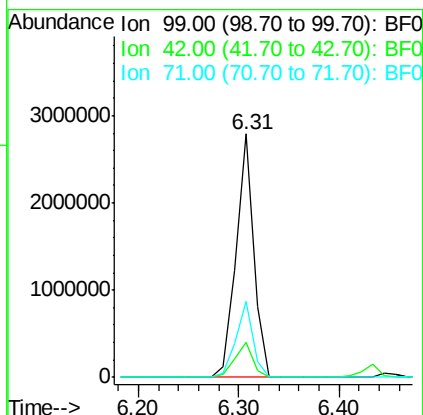
D-1(2-2.5)MSD

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#8

2-Chlorophenol

Concen: 33.02 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

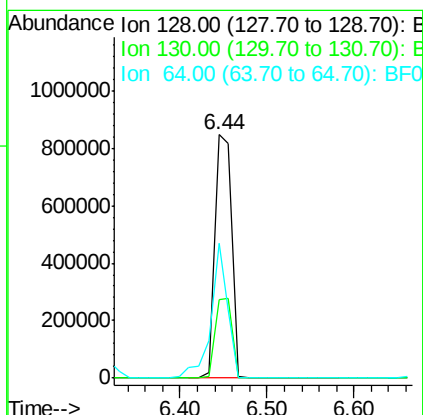
Tgt Ion: 128 Resp: 1162782

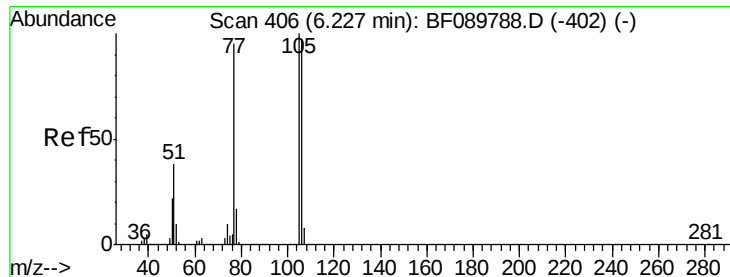
Ion Ratio Lower Upper

128 100

130 32.1 12.0 52.0

64 55.1 35.1 75.1





#9

Benzaldehyde

Concen: 13.75 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

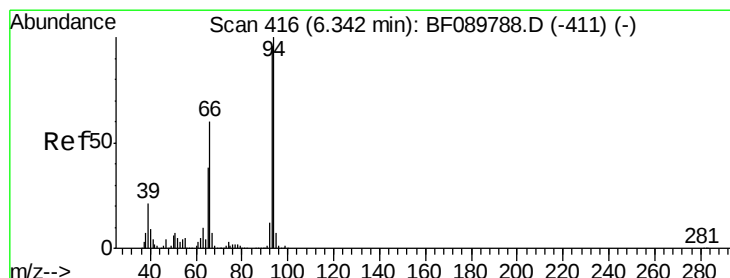
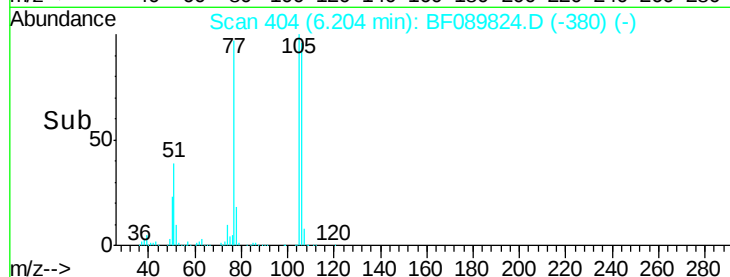
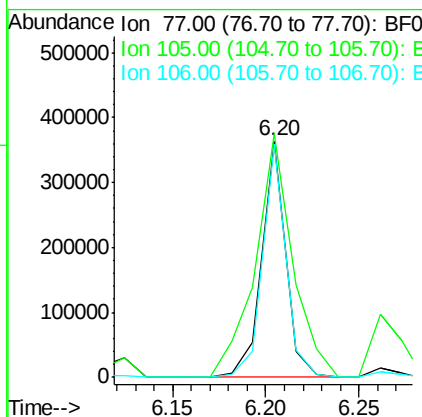
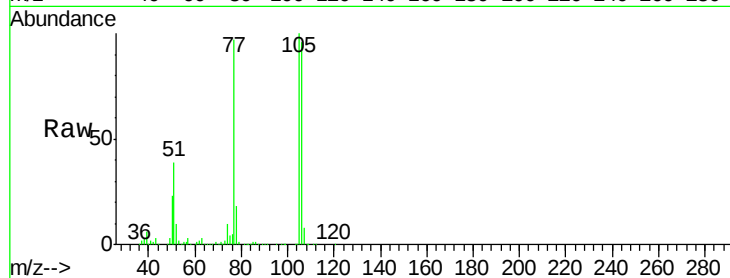
ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:	77	Resp:	323840
Ion	Ratio	Lower	Upper
77	100		
105	103.1	73.3	113.3
106	99.1	68.6	108.6

Manual Integrations
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#10

Phenol

Concen: 31.60 ng

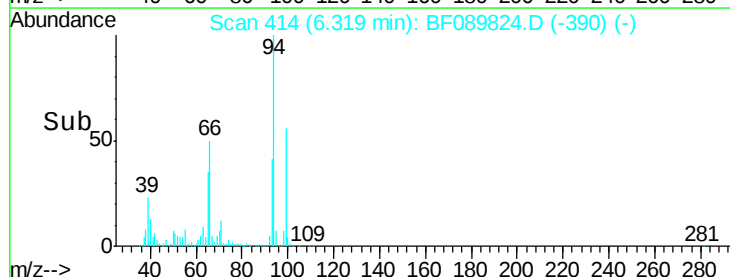
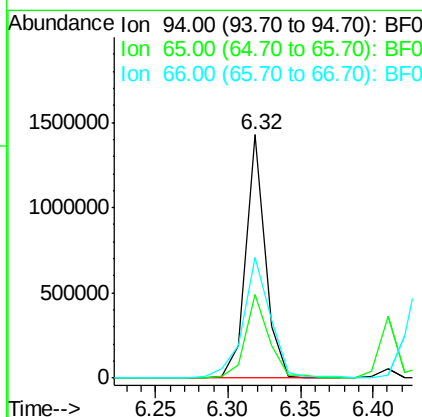
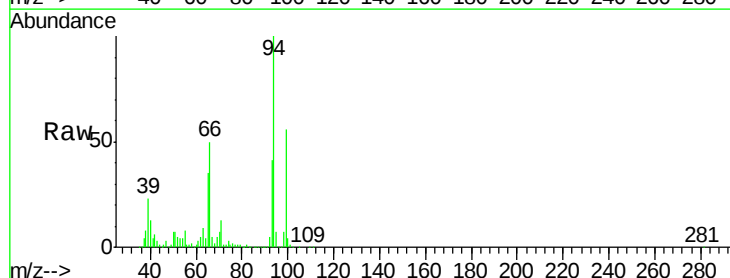
RT: 6.32 min Scan# 414

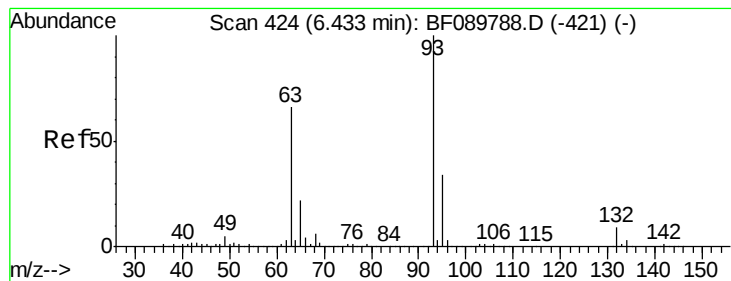
Delta R.T. -0.02 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Tgt Ion:	94	Resp:	1338566
Ion	Ratio	Lower	Upper
94	100		
65	34.5	14.0	54.0
66	49.6	31.2	71.2





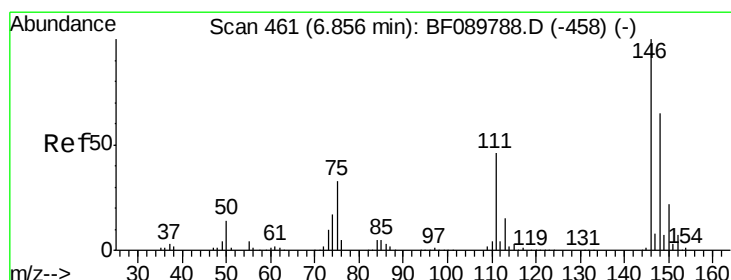
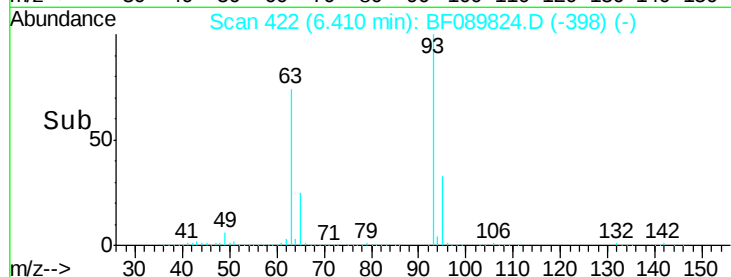
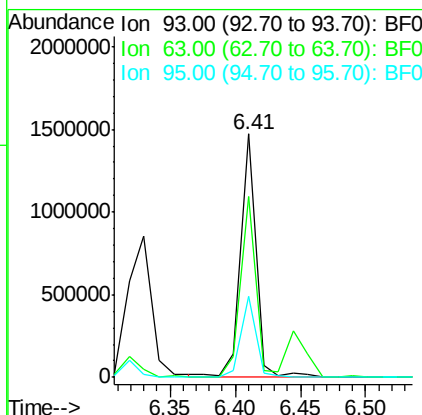
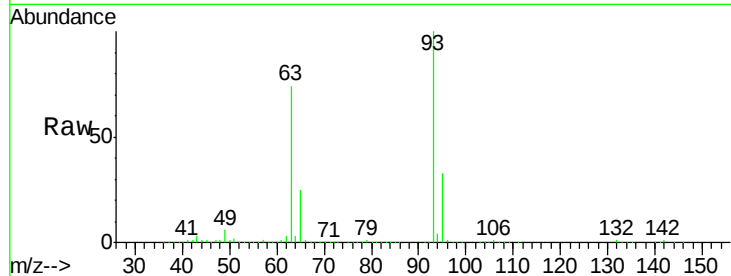
#11
bis(2-Chloroethyl)ether
Concen: 36.43 ng
RT: 6.41 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion: 93 Resp: 1196726
Ion Ratio Lower Upper
93 100
63 74.2 55.8 95.8
95 33.3 13.0 53.0

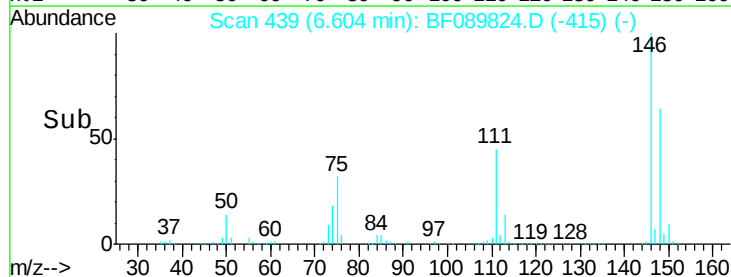
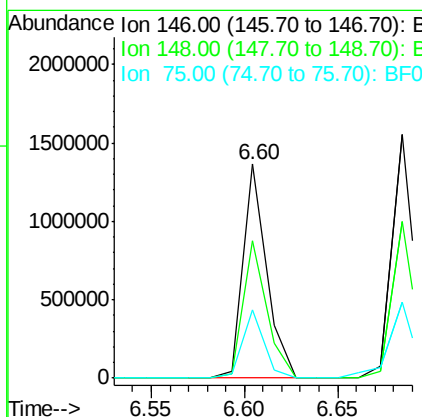
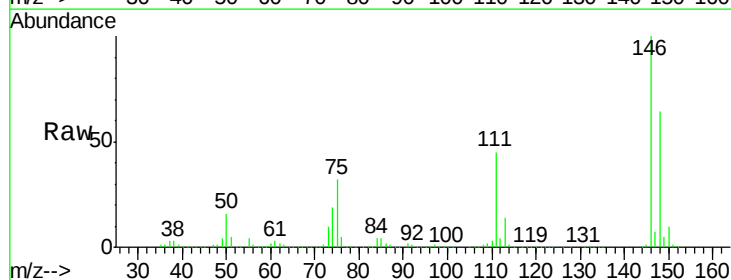
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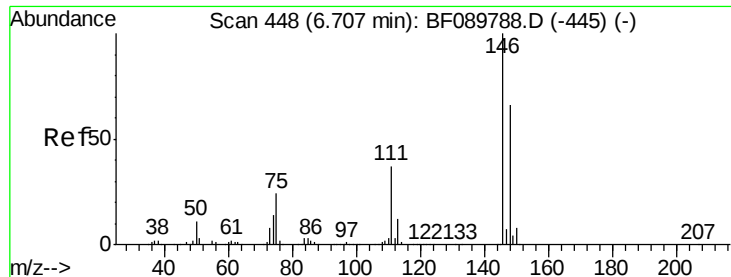
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#12
1,3-Dichlorobenzene
Concen: 32.54 ng
RT: 6.60 min Scan# 439
Delta R.T. -0.02 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion: 146 Resp: 1197664
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.4
75 32.0 27.0 40.6





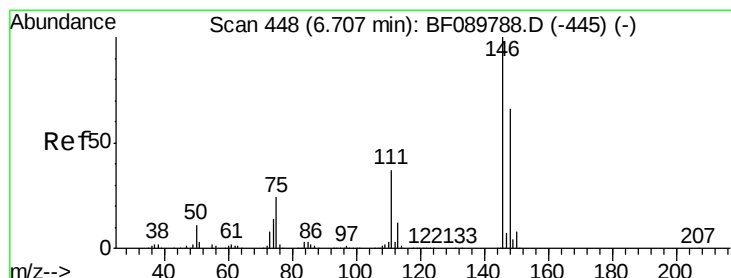
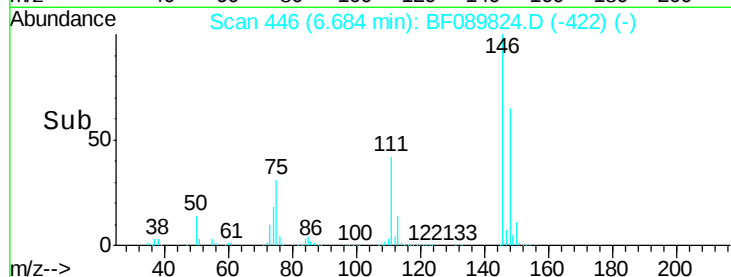
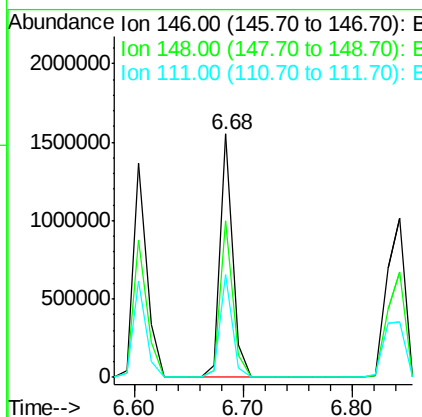
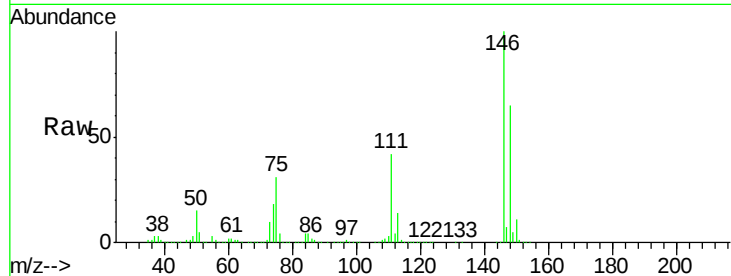
#13
 1,4-Dichlorobenzene
 Concen: 33.39 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.6
111	42.4	34.6	52.0

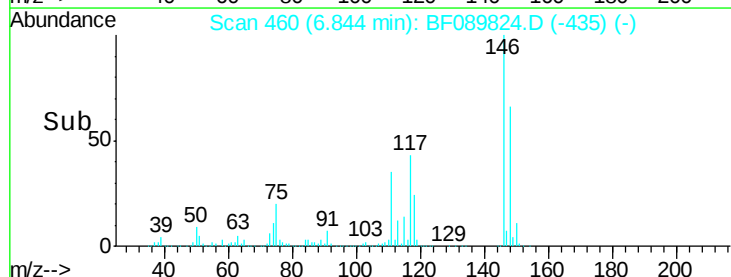
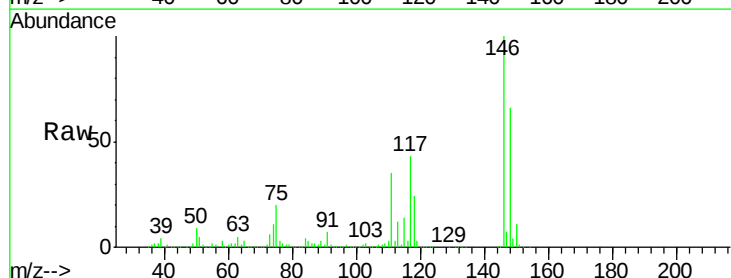
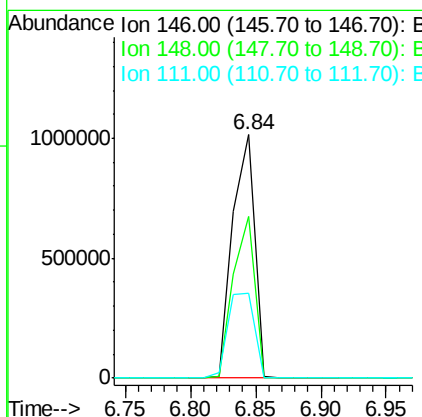
Manual Integrations
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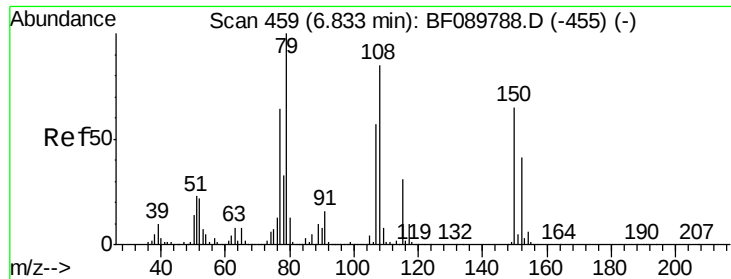
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#14
 1,2-Dichlorobenzene
 Concen: 33.51 ng
 RT: 6.84 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.3	52.2	78.2
111	35.1	29.8	44.6





#15

Benzyl Alcohol

Concen: 39.24 ng

RT: 6.81 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

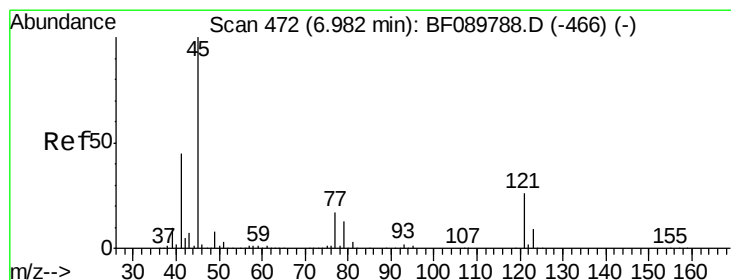
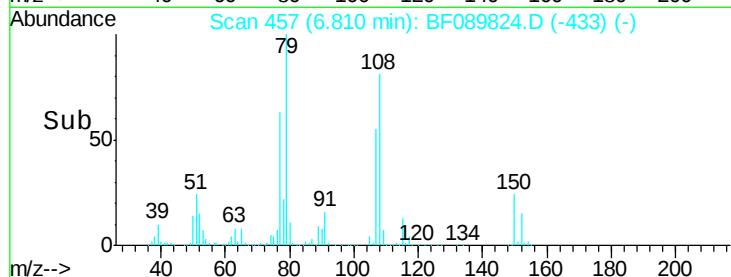
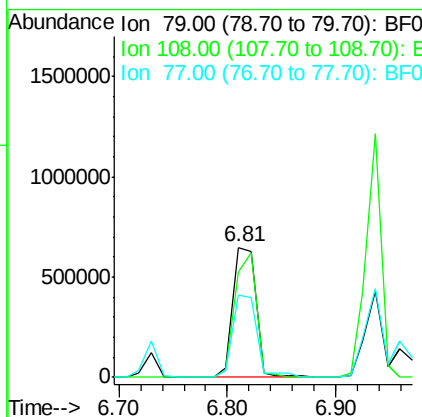
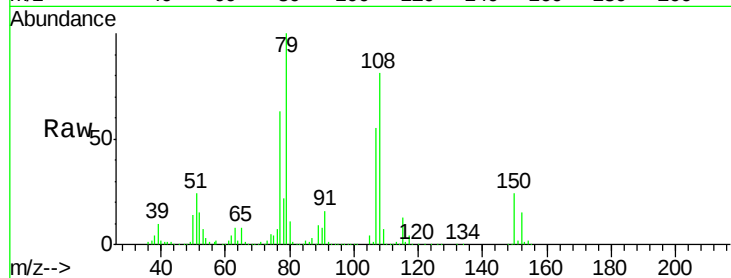
ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:	79	Resp:	940453
Ion Ratio	Lower	Upper	
79	100		
108	80.7	62.5	93.7
77	63.1	51.5	77.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.09 ng

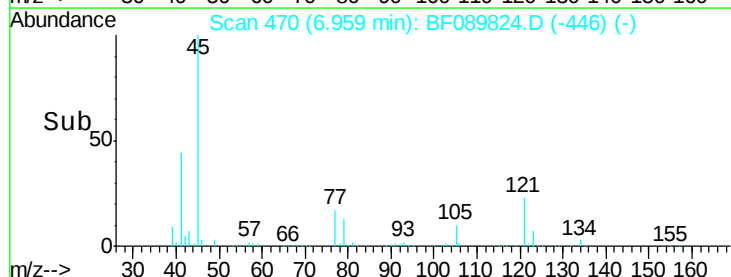
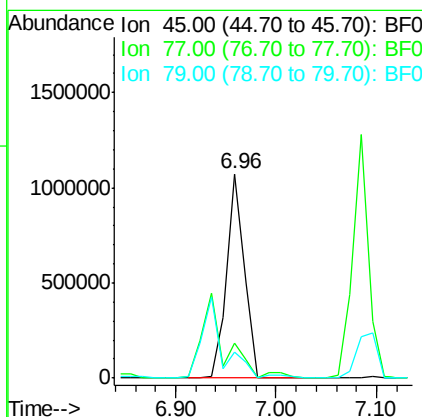
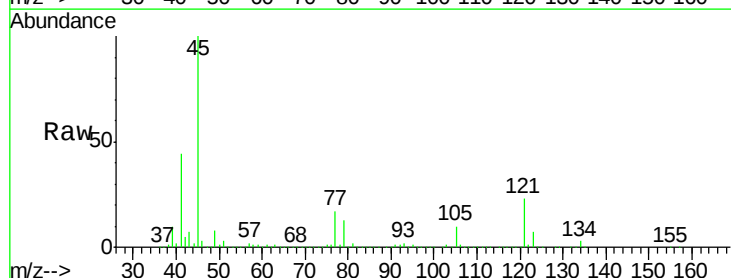
RT: 6.96 min Scan# 470

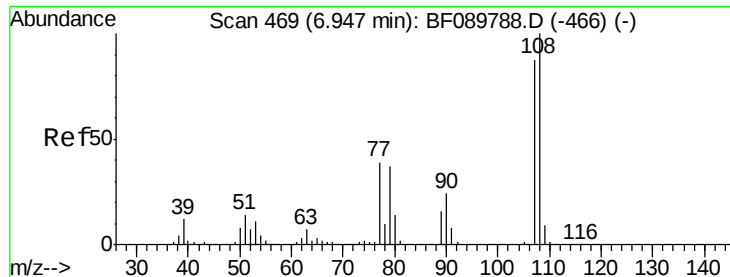
Delta R.T. -0.02 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Tgt Ion:	45	Resp:	1307228
Ion Ratio	Lower	Upper	
45	100		
77	17.0	0.0	33.5
79	13.0	0.0	30.7





#17

2-Methylphenol

Concen: 37.25 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:107 Resp: 1027218

Ion Ratio Lower Upper

107 100

108 114.1 91.0 136.4

77 41.9 37.4 56.0

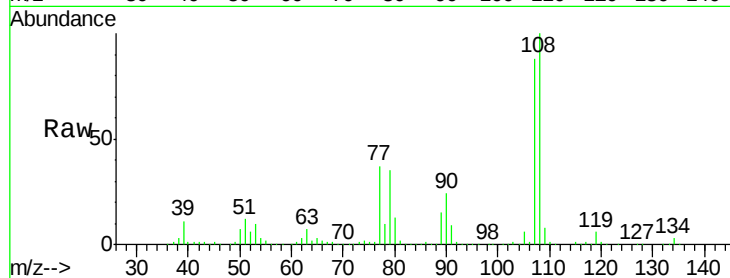
79 40.3 36.6 55.0

Manual Integrations

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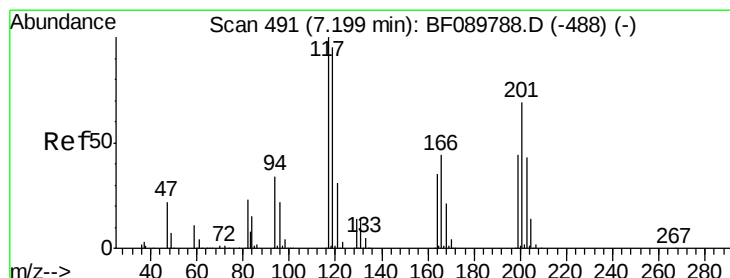
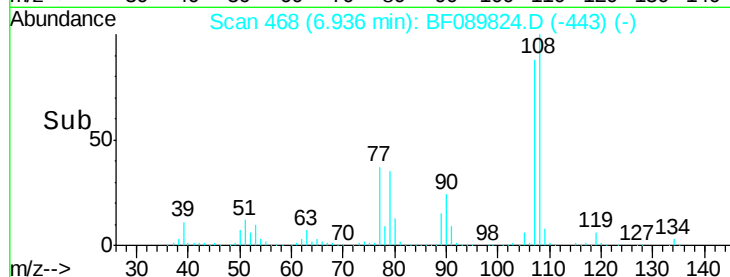
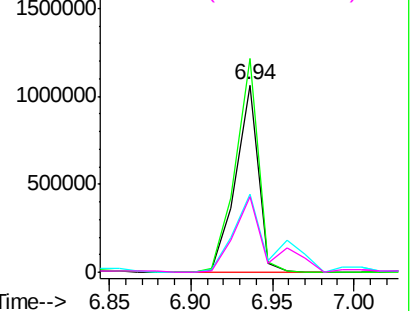


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 36.44 ng m

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

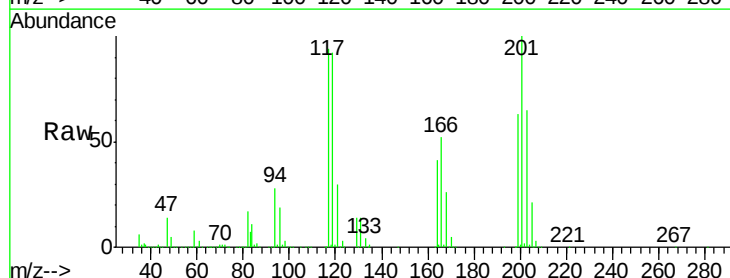
Tgt Ion:117 Resp: 491714

Ion Ratio Lower Upper

117 100

119 98.2 77.1 115.7

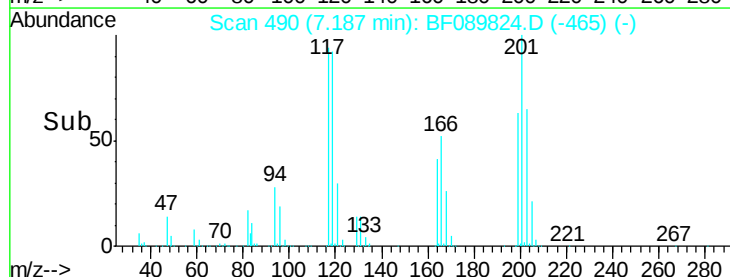
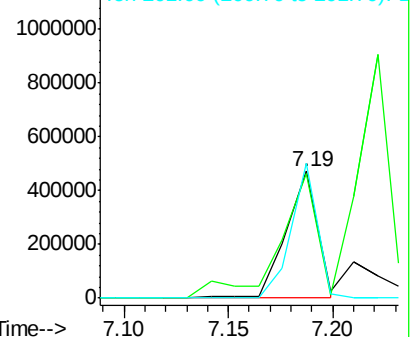
201 106.2 76.9 115.3

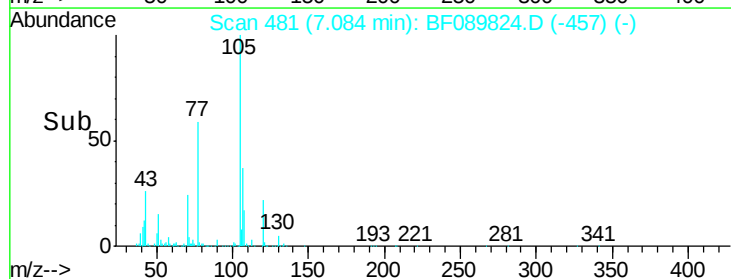
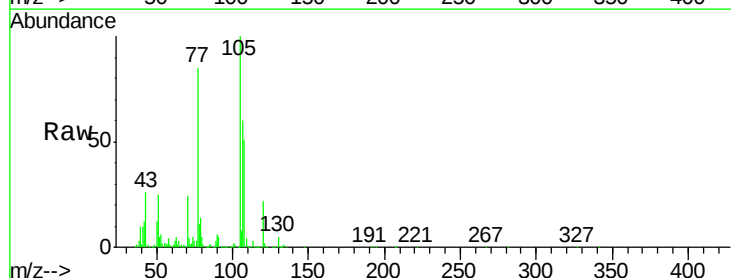
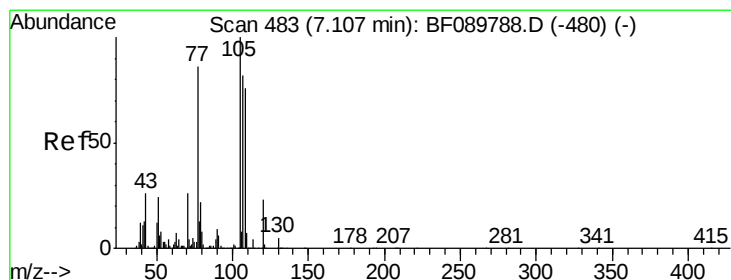
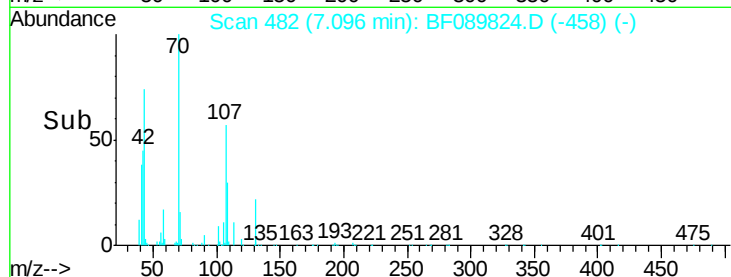
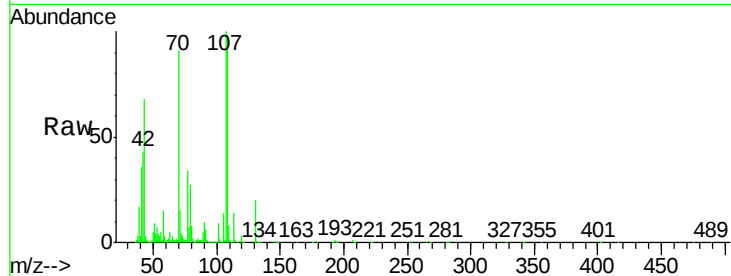
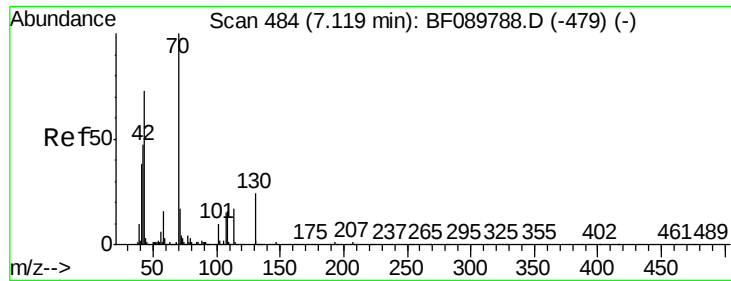


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

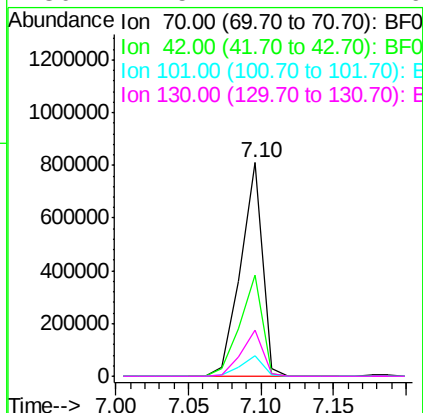
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 36.53 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
70	100		
42	47.2	46.3	69.5
101	9.4	7.0	10.6
130	21.5	14.4	21.6



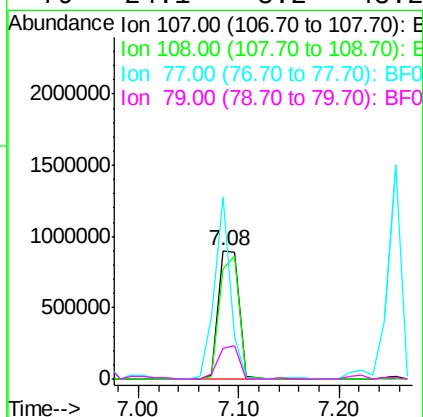
Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

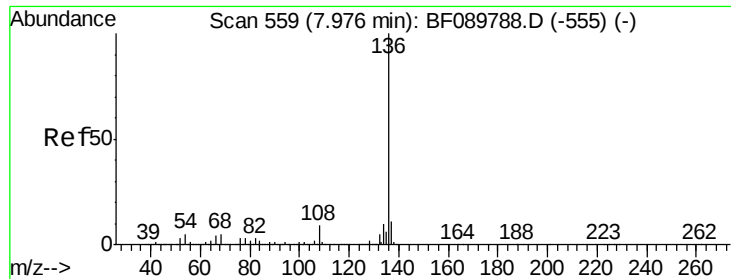
Manual Integrations
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#20
3+4-Methylphenols
Concen: 37.24 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.4	68.2	108.2
77	142.1	122.3	162.3
79	24.1	8.2	48.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:136 Resp: 1970224

Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

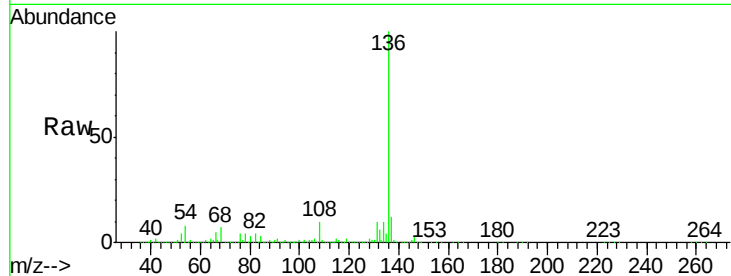
54 7.6 7.2 10.8

68 6.7 5.8 8.8

Manual Integrations
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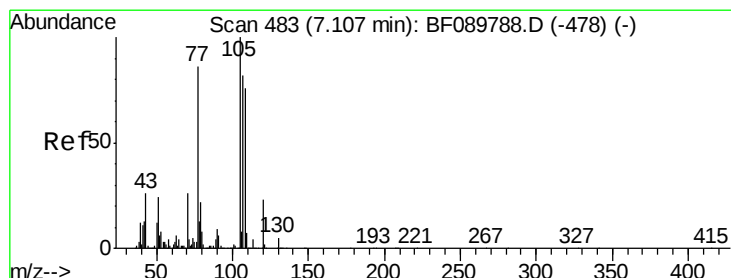
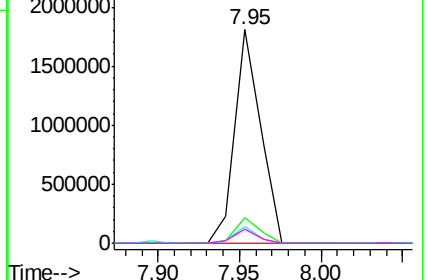
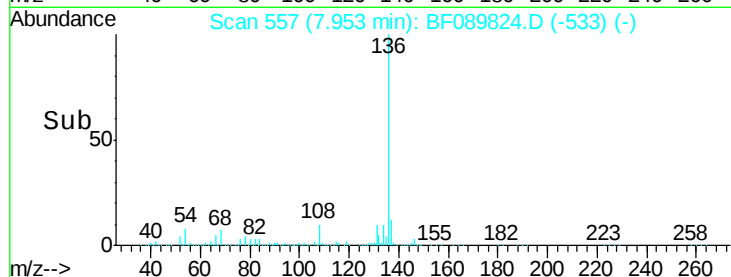


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 37.47 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.02 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Tgt Ion:105 Resp: 1695070

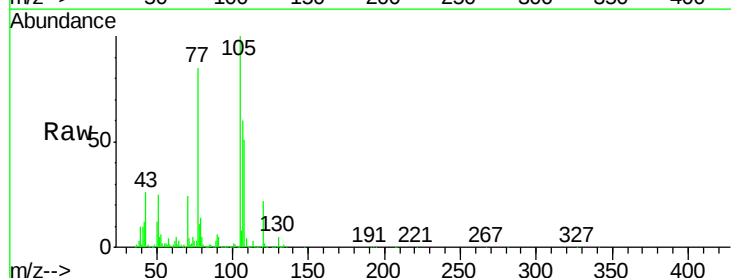
Ion Ratio Lower Upper

105 100

71 4.1 1.9 2.9#

51 25.5 28.5 42.7#

120 21.8 16.6 25.0

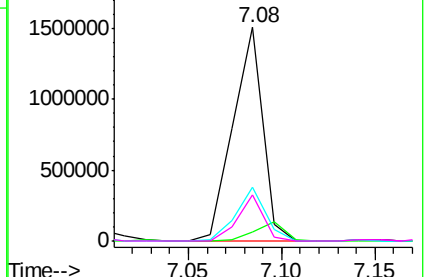
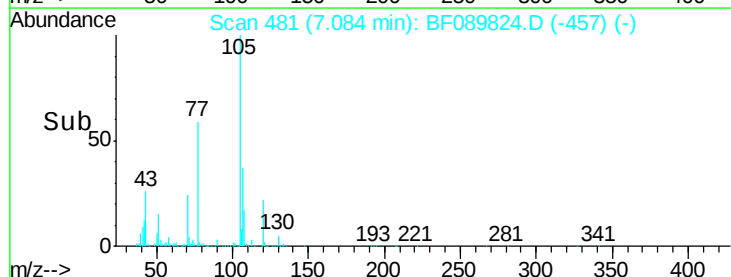


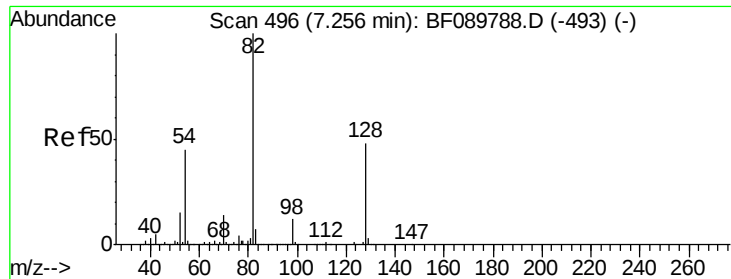
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





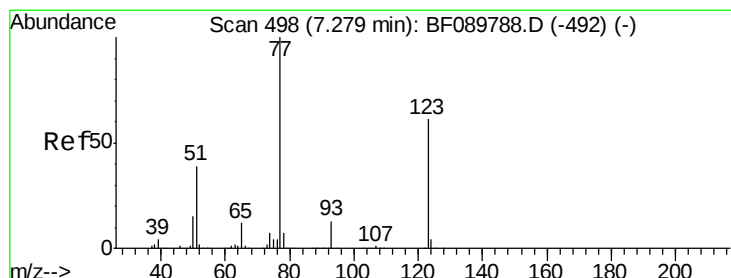
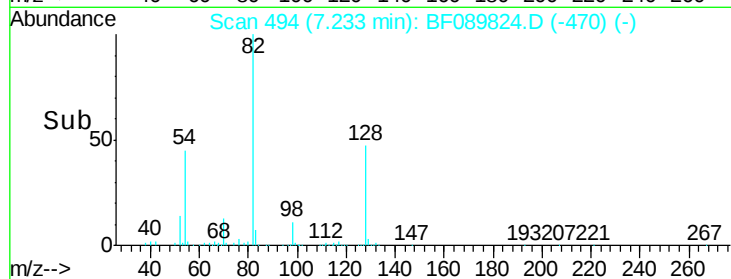
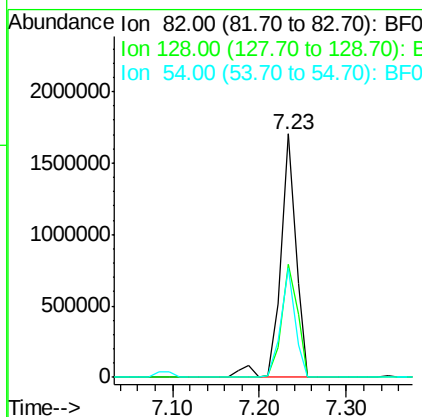
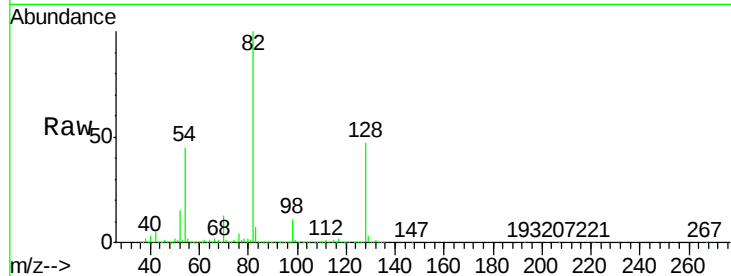
#23
 Nitrobenzene-d5
 Concen: 65.63 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.4	51.6
54	45.1	40.3	60.5

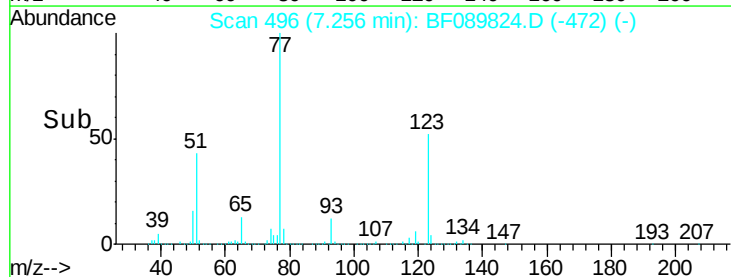
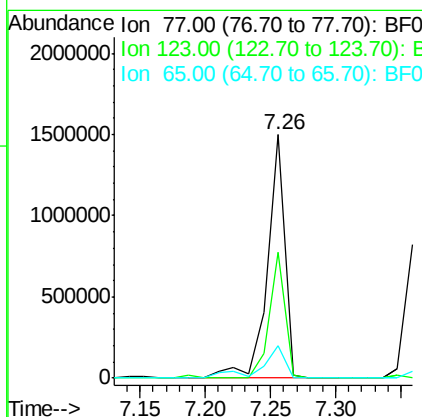
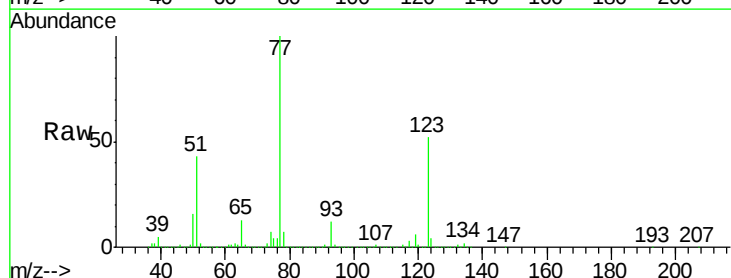
Manual Integrations
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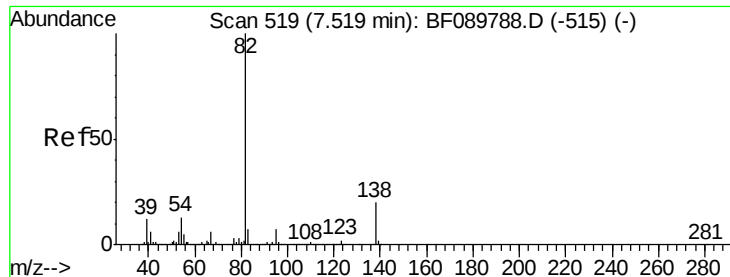
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#24
 Nitrobenzene
 Concen: 39.59 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.8	36.2	54.2
65	13.3	10.6	15.8





#25

Isophorone

Concen: 34.17 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion: 82 Resp: 2185478

Ion Ratio Lower Upper

82 100

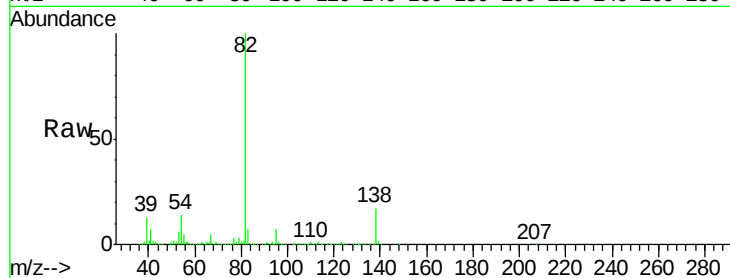
95 6.6 5.3 7.9

138 17.3 13.0 19.4

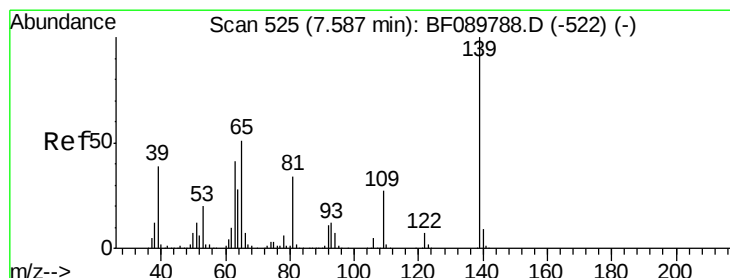
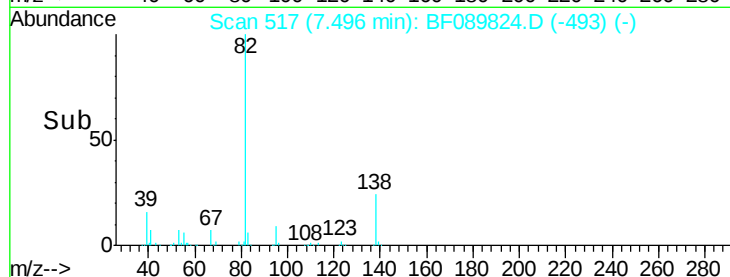
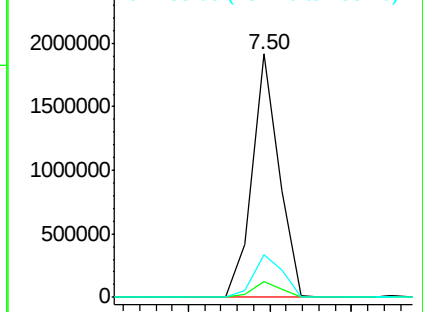
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 39.89 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

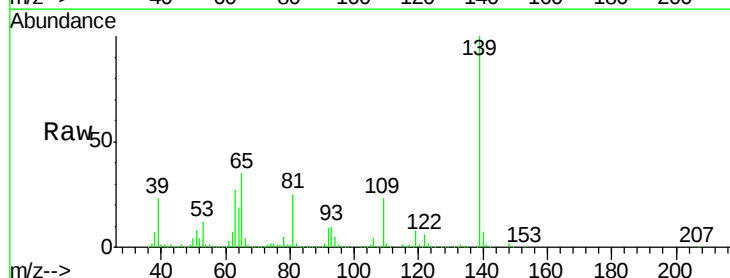
Tgt Ion: 139 Resp: 708131

Ion Ratio Lower Upper

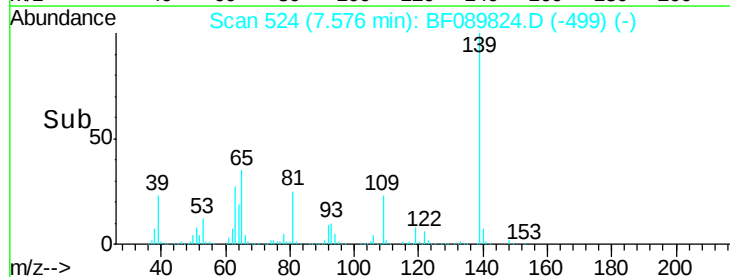
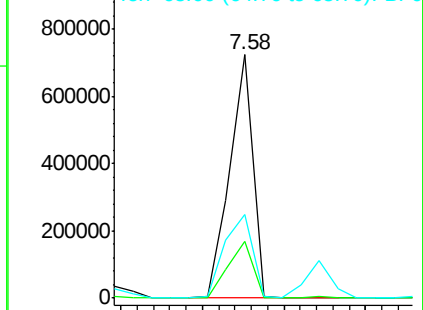
139 100

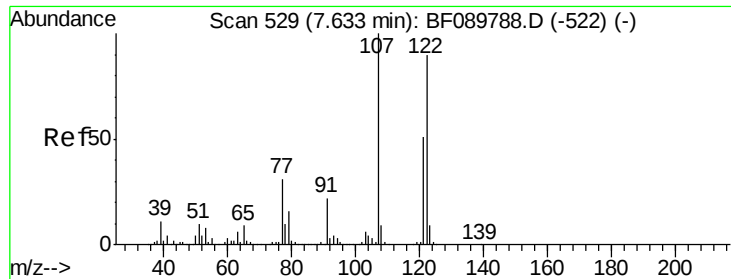
109 23.4 19.5 29.3

65 34.6 26.5 39.7



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 37.23 ng

RT: 7.62 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

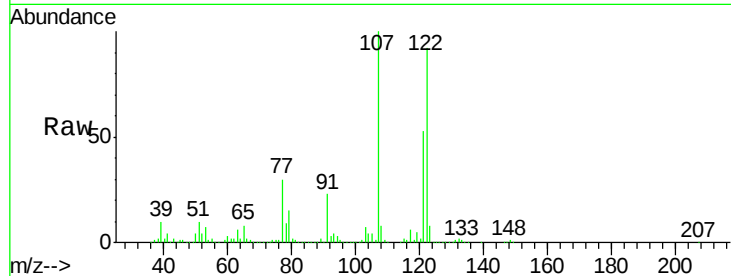
ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
122	100		
107	108.5	84.8	127.2
121	57.7	47.0	70.6

Manual Integrations
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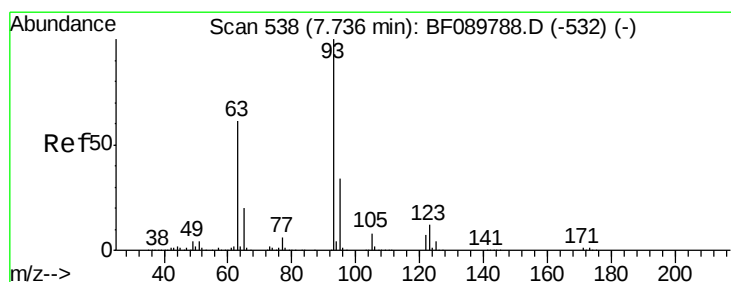
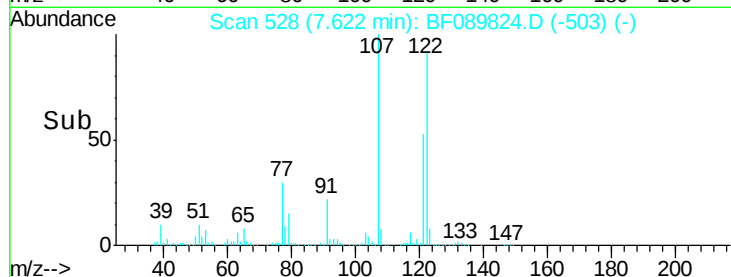
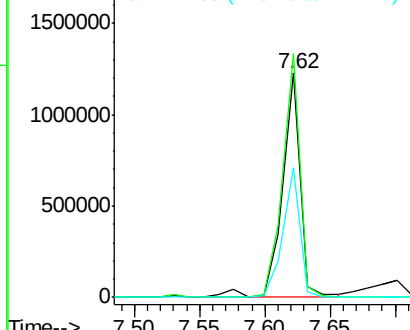
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 36.85 ng

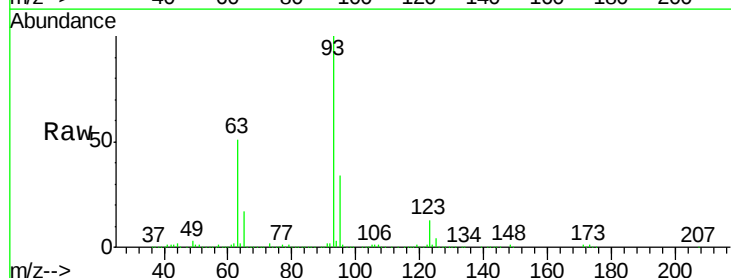
RT: 7.72 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

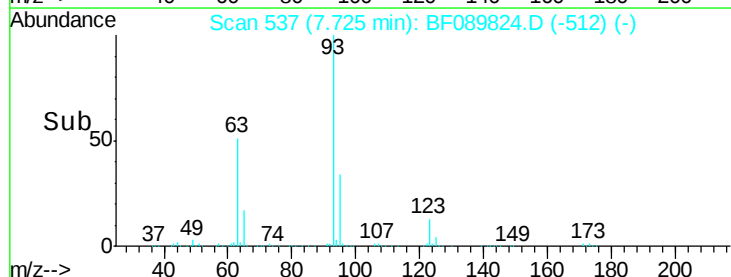
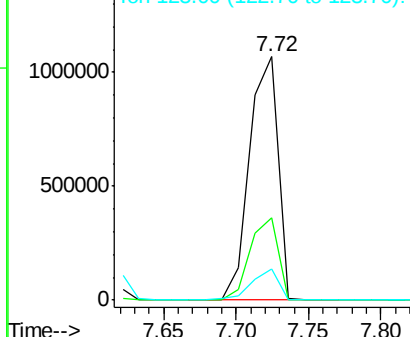
Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.9	25.5	38.3
123	13.0	8.5	12.7#

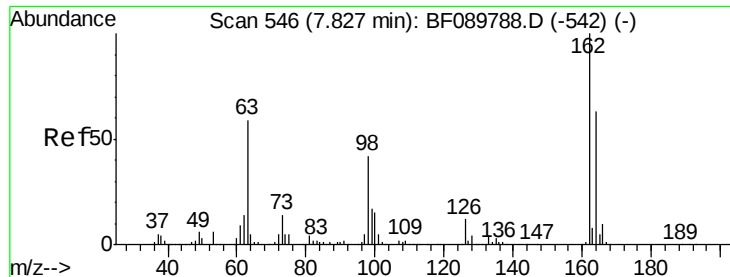


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 39.62 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:162 Resp: 1063663

Ion Ratio Lower Upper

162 100

164 65.6 45.5 85.5

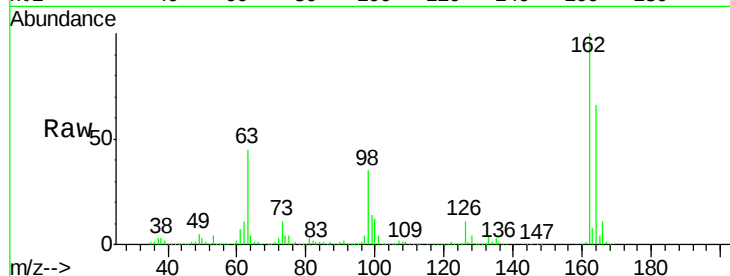
98 35.5 12.4 52.4

Manual Integrations

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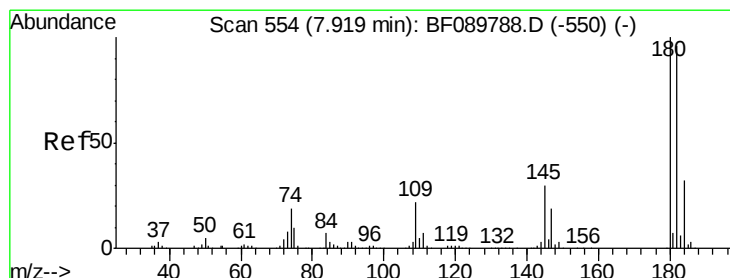
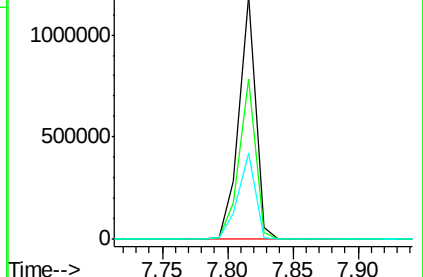
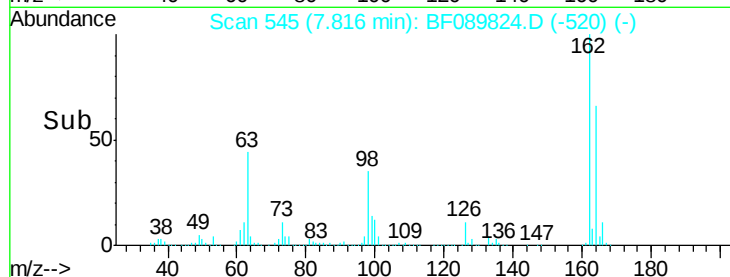
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 33.89 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.02 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

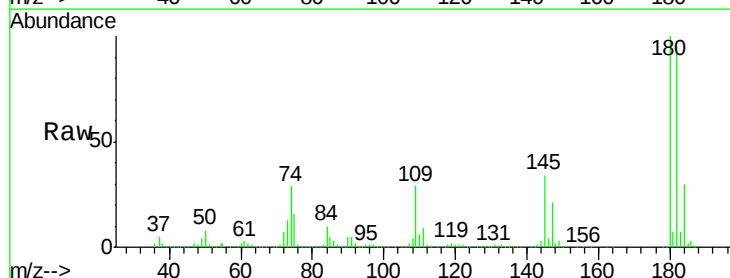
Tgt Ion:180 Resp: 1006479

Ion Ratio Lower Upper

180 100

182 95.0 75.5 113.3

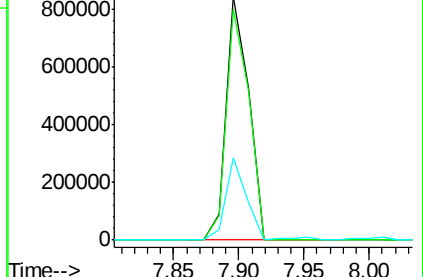
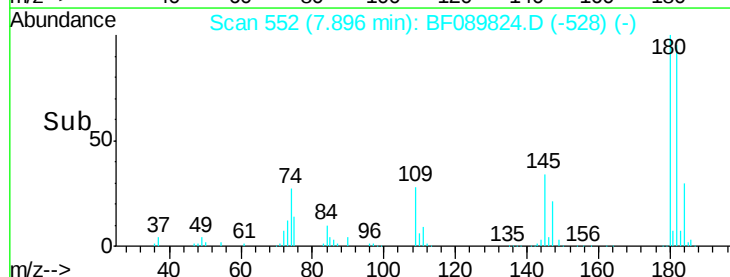
145 34.0 28.7 43.1

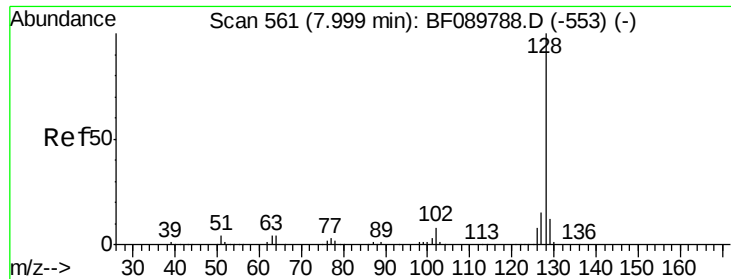


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





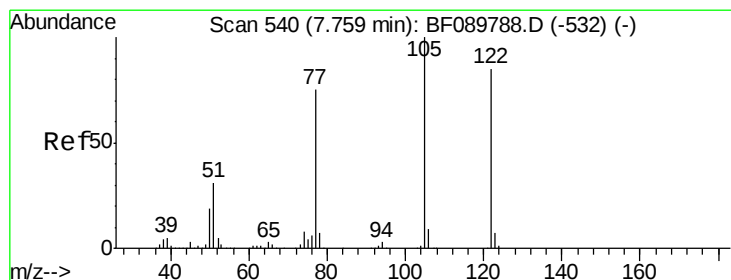
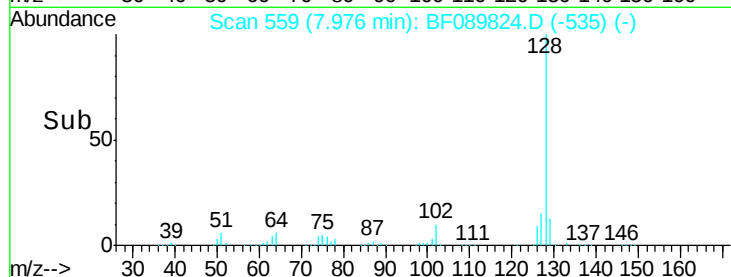
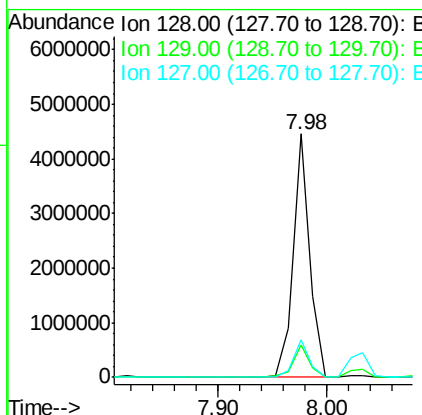
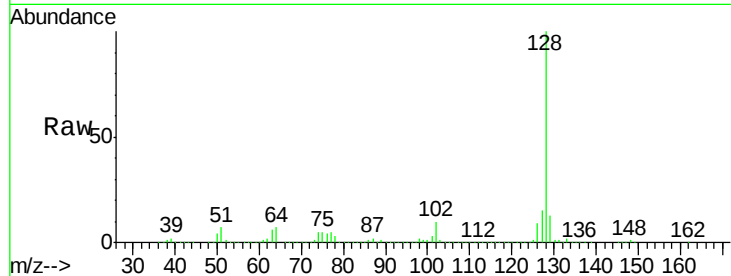
#31
Naphthalene
Concen: 51.40 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion:128 Resp: 4732622
Ion Ratio Lower Upper
128 100
129 13.4 9.5 14.3
127 15.5 11.3 16.9

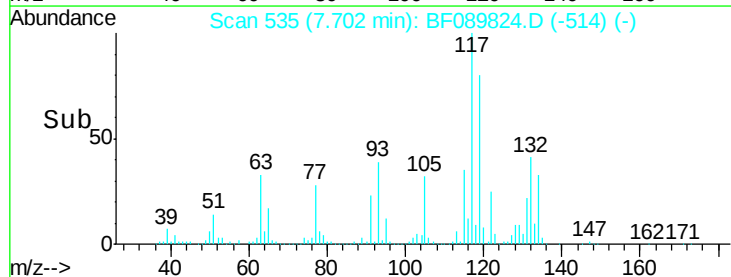
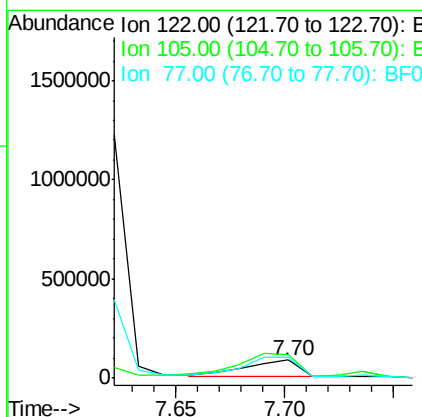
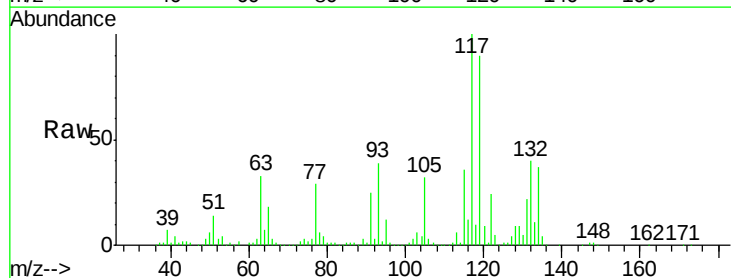
Manual Integrations
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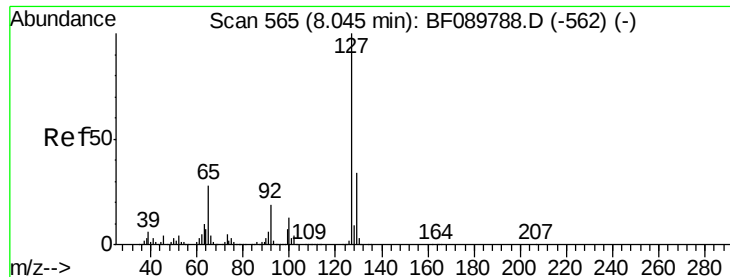
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#32
Benzoic acid
Concen: 5.99 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.06 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion:122 Resp: 149392
Ion Ratio Lower Upper
122 100
105 129.5 100.8 140.8
77 116.9 72.1 112.1#





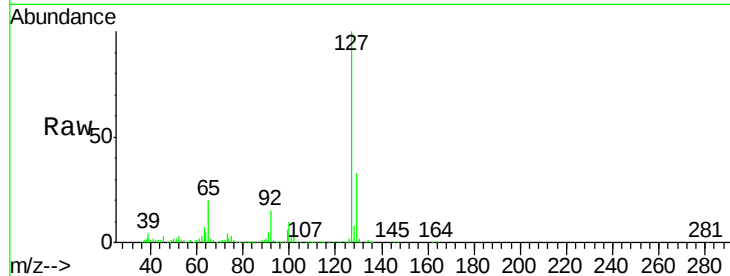
#33
4-Chloroaniline
Concen: 15.22 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

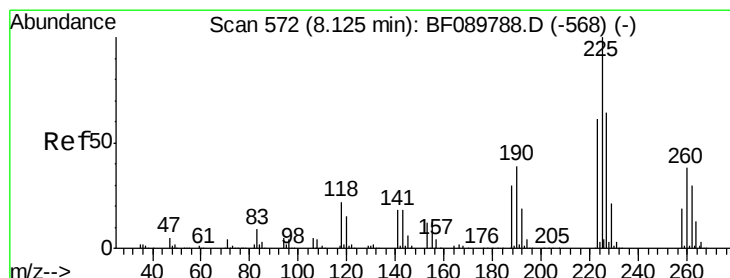
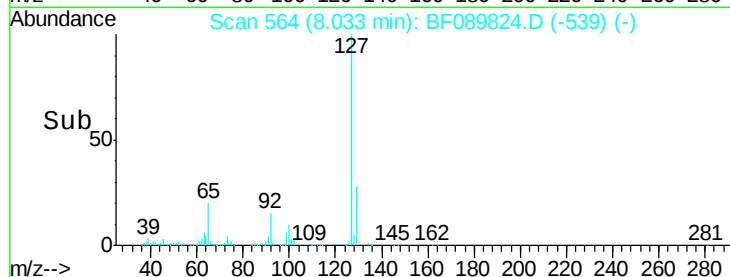
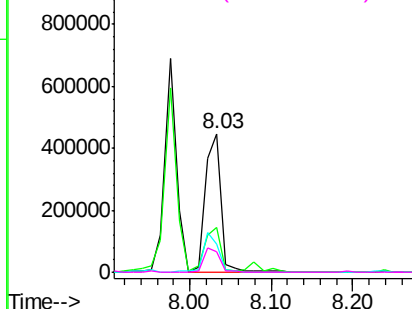
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	607364		
129	32.7	27.0	40.6	
65	20.1	14.7	22.1	
92	14.8	11.7	17.5	

Manual Integrations
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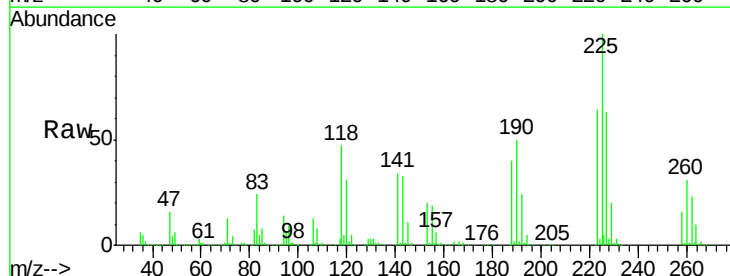


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

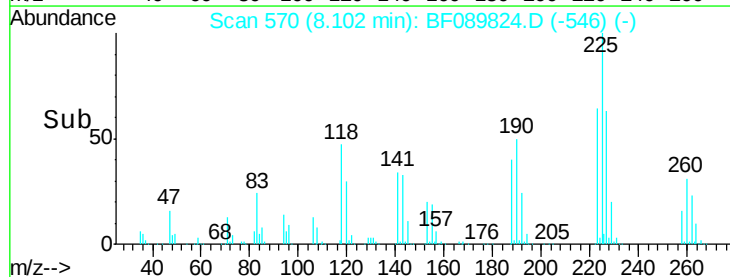
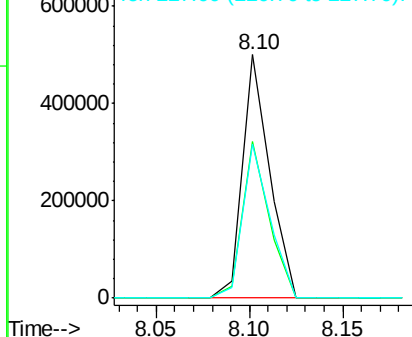


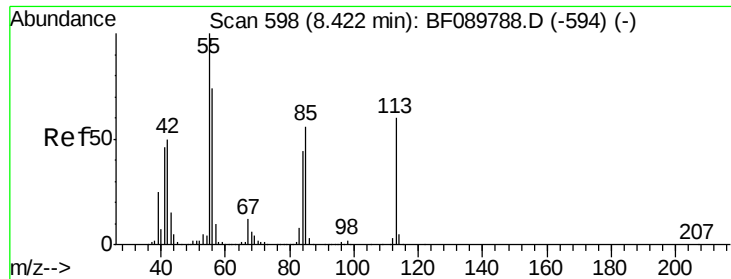
#34
Hexachlorobutadiene
Concen: 32.30 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	502216		
223	64.3	51.0	76.6	
227	63.3	49.8	74.6	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





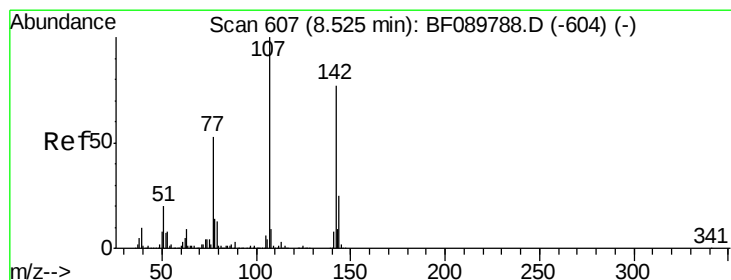
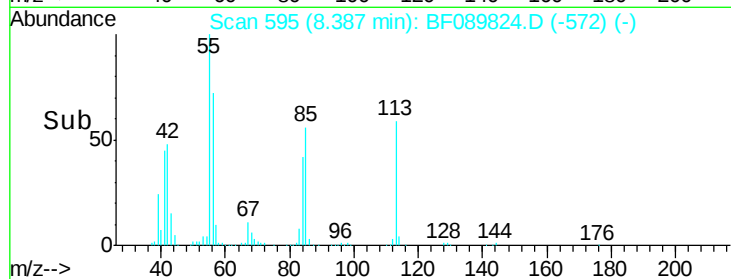
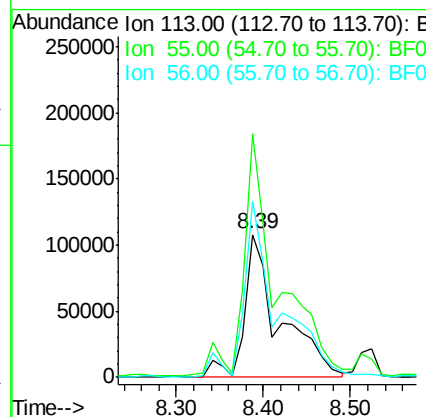
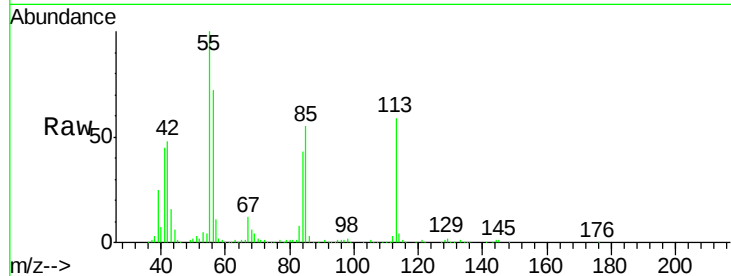
#35
 Caprolactam
 Concen: 36.73 ng
 RT: 8.39 min Scan# 595
 Delta R.T. -0.03 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	300302		
55	170.6	135.9	175.9	
56	123.4	93.9	133.9	

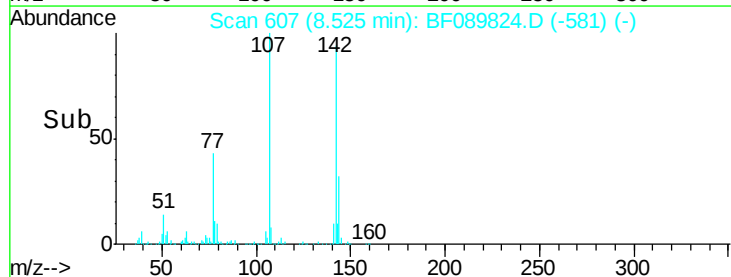
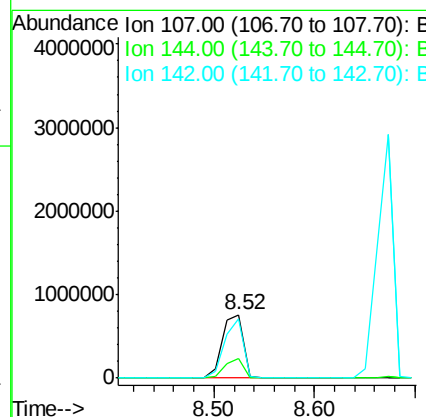
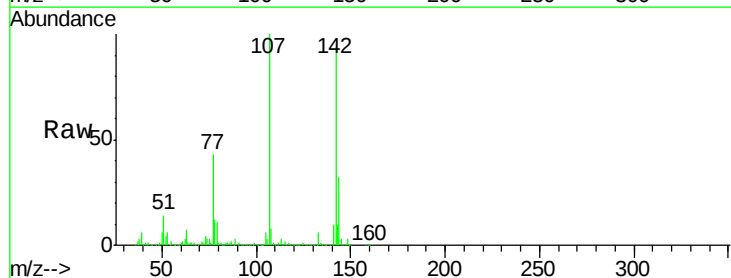
Manual Integrations
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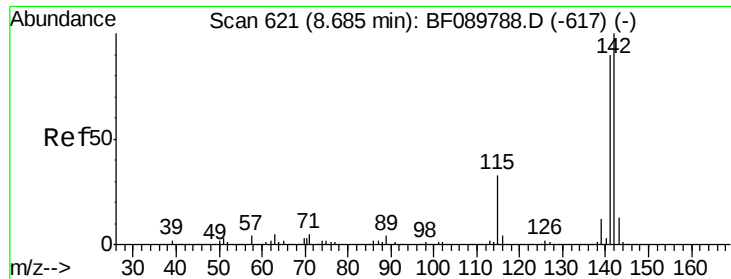
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#36
 4-Chloro-3-methylphenol
 Concen: 37.81 ng
 RT: 8.52 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	1099228		
144	31.5	22.6	34.0	
142	94.2	69.3	103.9	





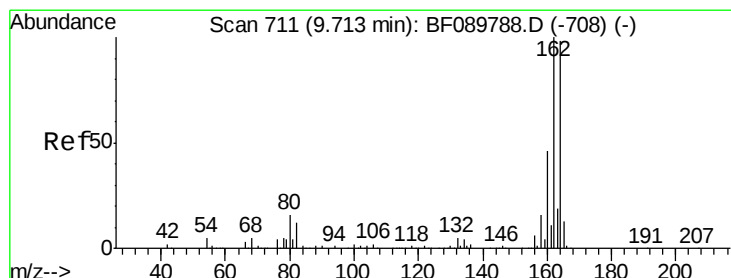
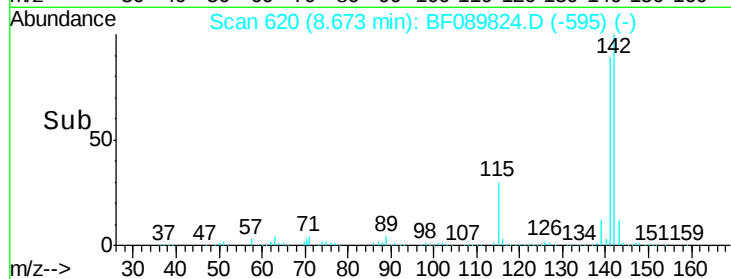
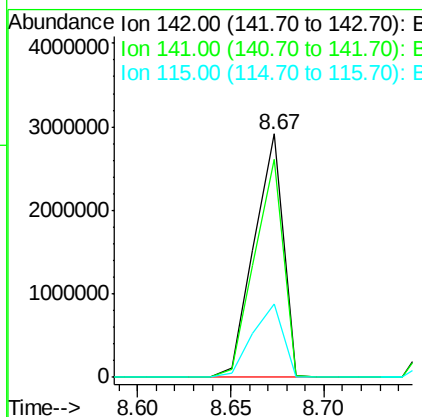
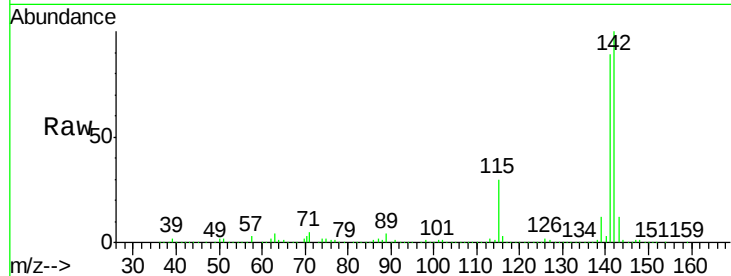
#37
 2-Methylnaphthalene
 Concen: 52.52 ng
 RT: 8.67 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.4	107.2
115	30.3	22.7	34.1

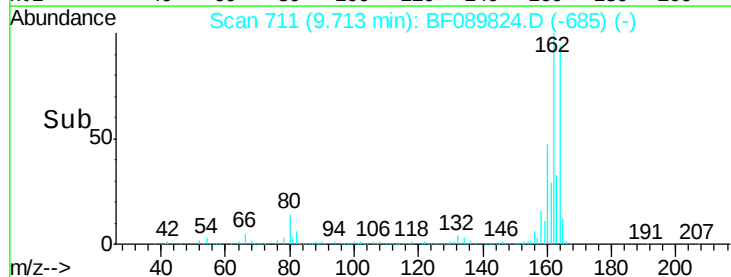
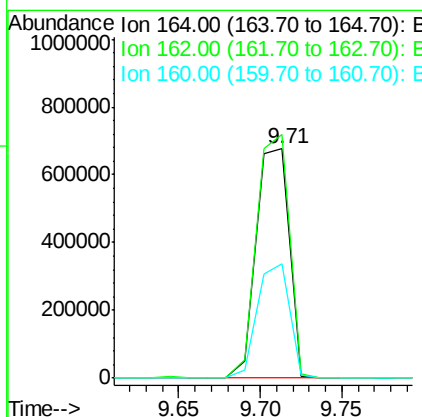
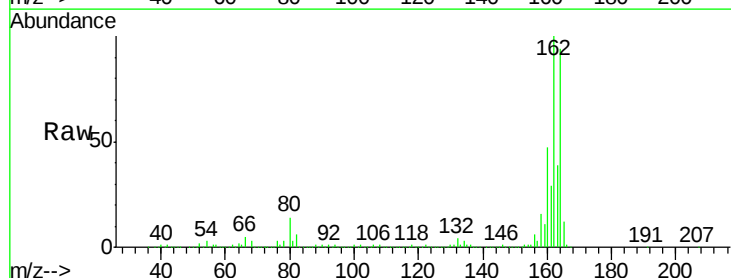
Manual Integrations
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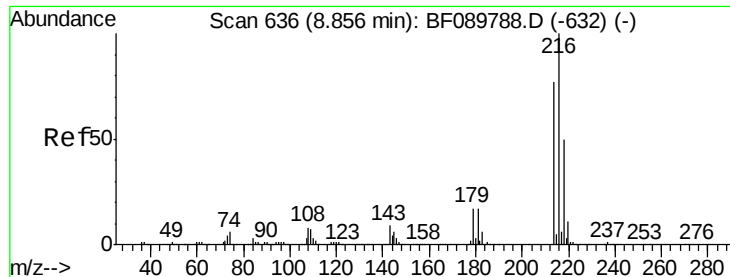
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	81.4	122.2
160	49.9	37.8	56.6





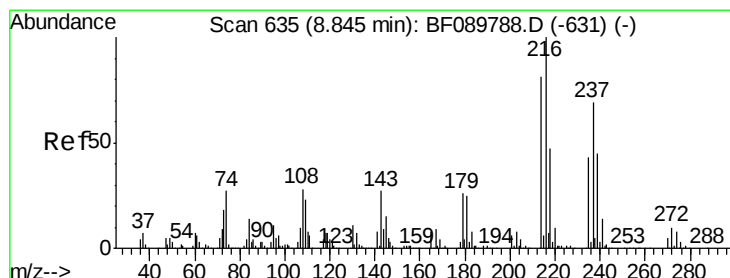
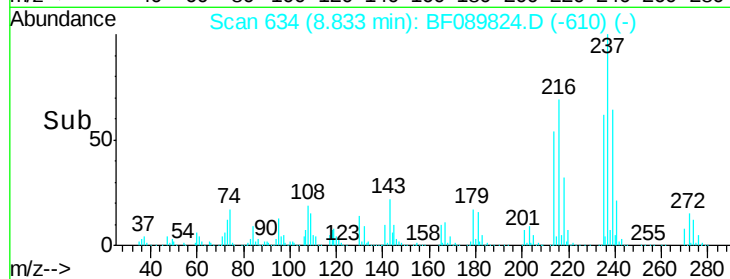
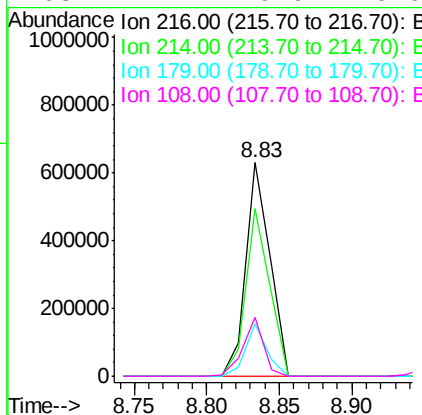
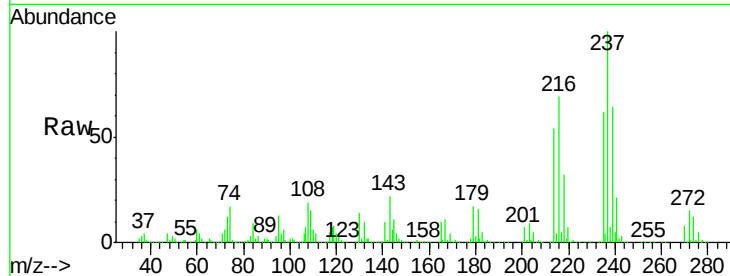
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 23.44 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Manual Integrations
 APPROVED

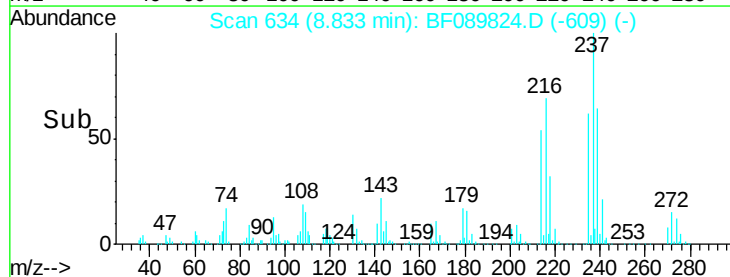
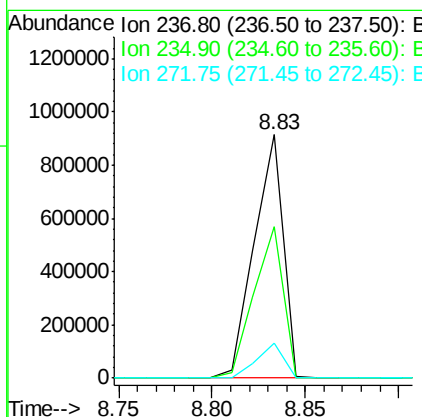
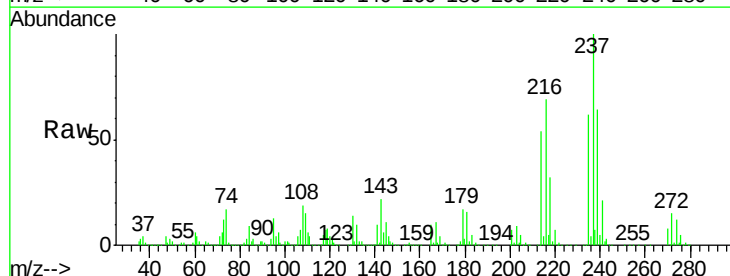
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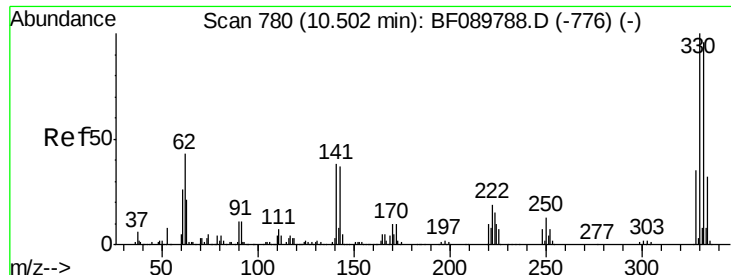
Tgt Ion:	216	Resp:	725933
Ion Ratio	Lower	Upper	
216	100		
214	77.3	63.5	95.3
179	21.8	19.9	29.9
108	24.1	19.9	29.9



#40
 Hexachlorocyclopentadiene
 Concen: 91.19 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion:	237	Resp:	980591
Ion Ratio	Lower	Upper	
237	100		
235	62.2	43.7	83.7
272	14.6	0.0	31.6





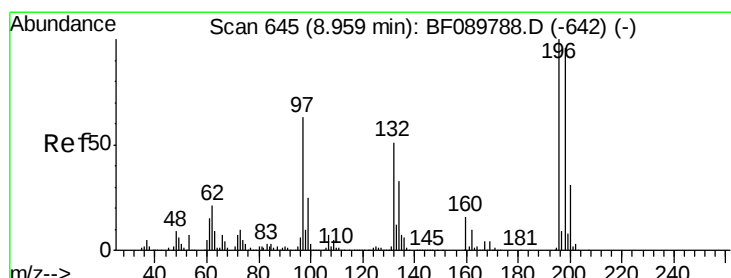
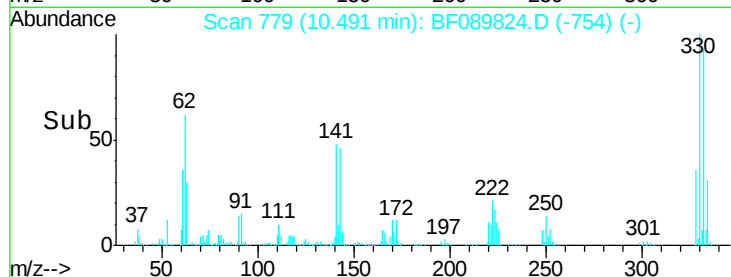
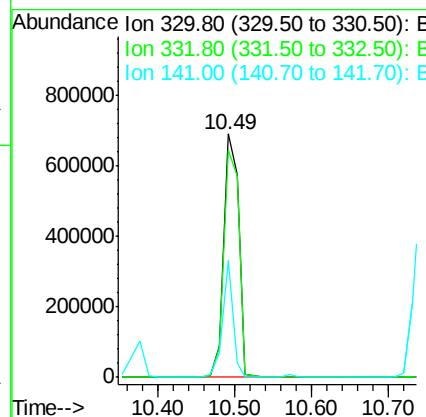
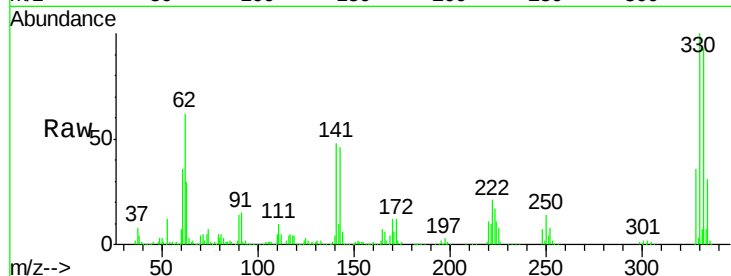
#41
 2,4,6-Tribromophenol
 Concen: 104.18 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	946993		
332	95.9	76.7	115.1	
141	32.7	30.2	45.2	

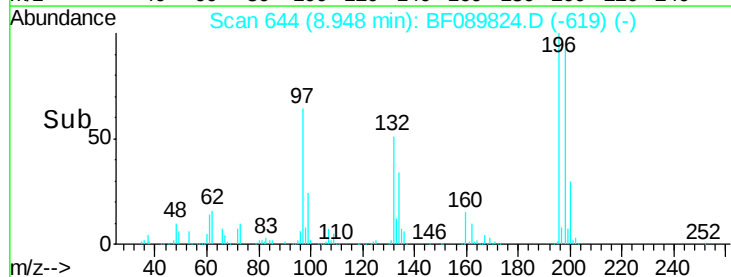
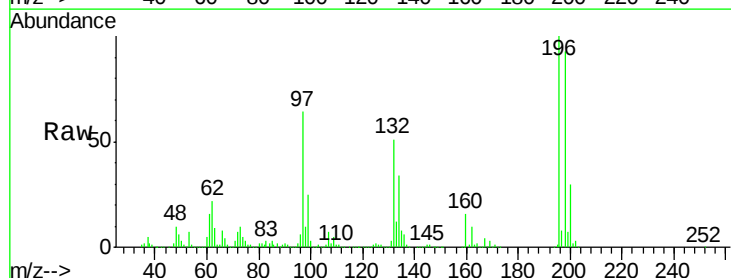
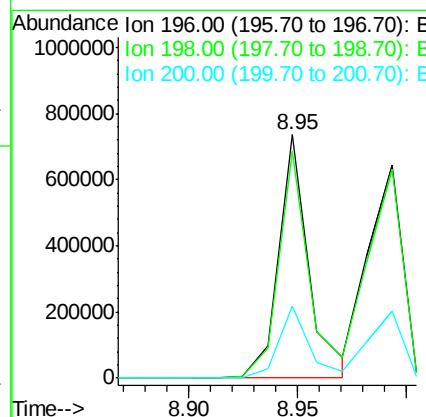
Manual Integrations
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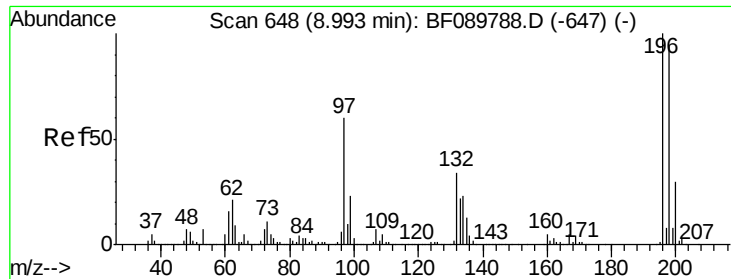
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#42
 2,4,6-Trichlorophenol
 Concen: 36.66 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	714470		
198	93.4	76.3	114.5	
200	29.8	24.6	36.8	





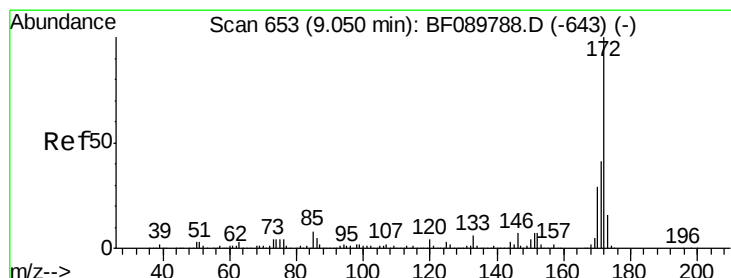
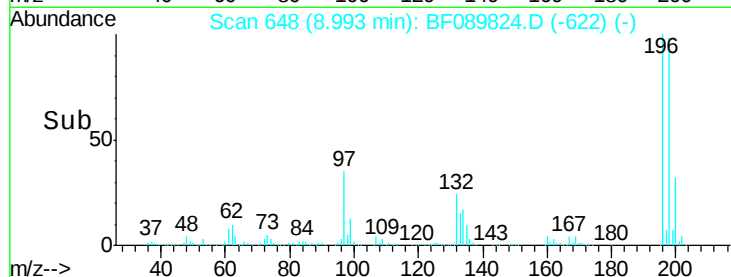
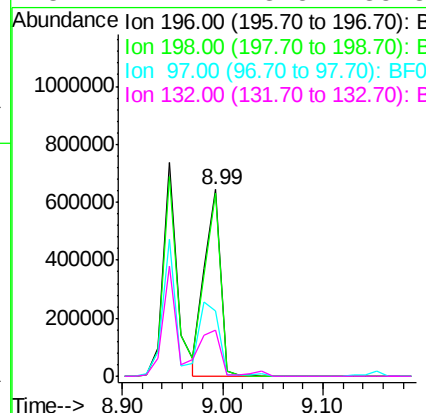
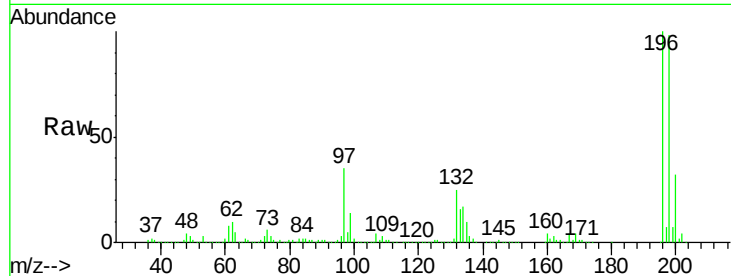
#43
 2,4,5-Trichlorophenol
 Concen: 36.84 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	714027		
198	98.4	76.6	114.8	
97	35.2	35.8	53.8#	
132	24.7	23.5	35.3	

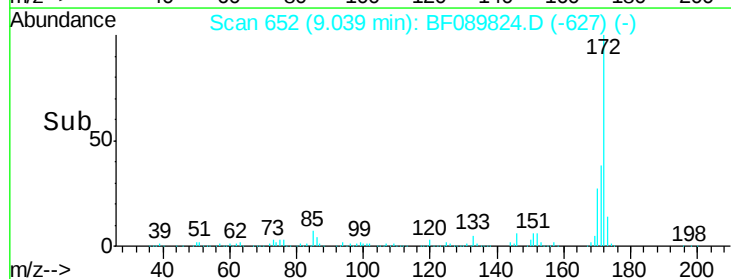
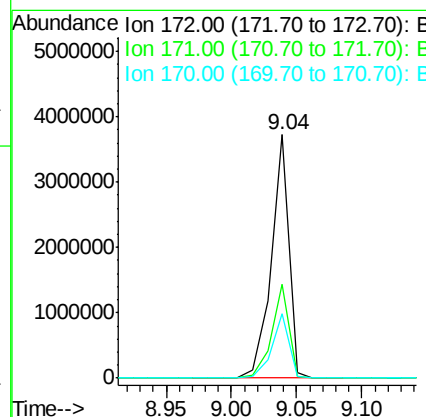
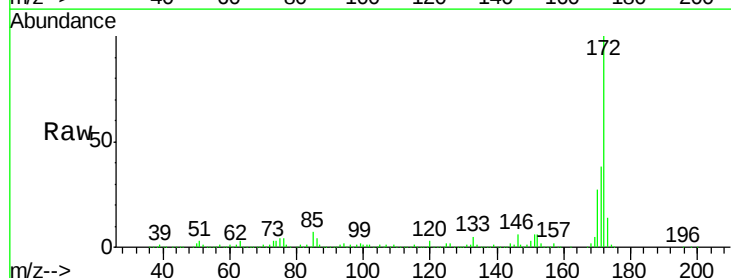
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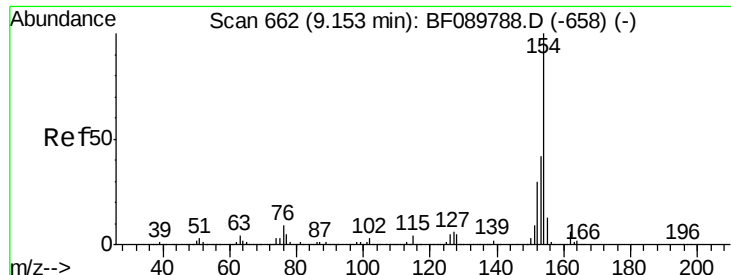
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#44
 2-Fluorobiphenyl
 Concen: 64.55 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	3512853		
171	38.5	30.5	45.7	
170	26.7	20.6	31.0	





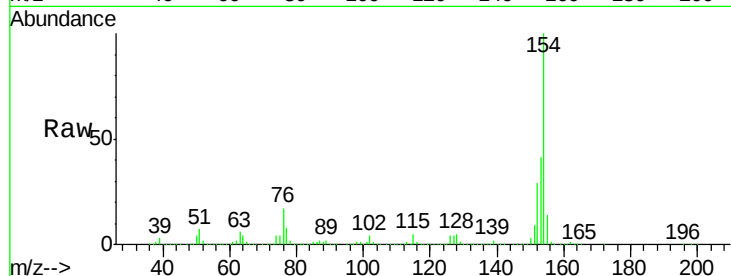
#45
 1,1'-Biphenyl
 Concen: 31.16 ng
 RT: 9.13 min Scan# 660
 Delta R.T. -0.02 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

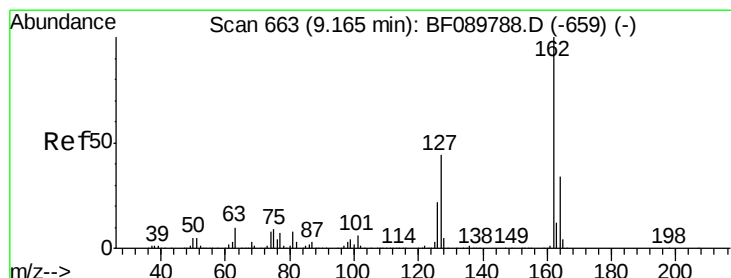
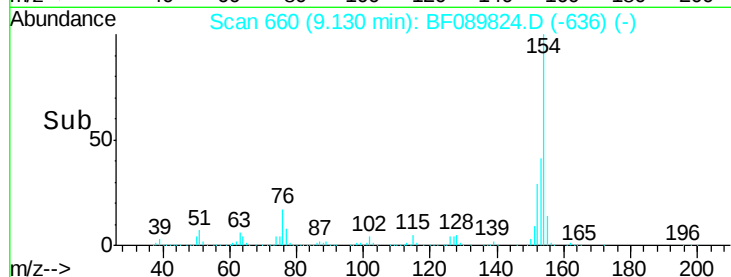
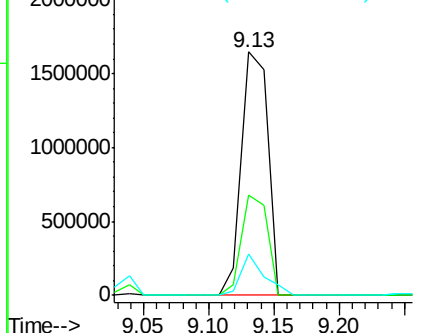
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.5	61.5
76	17.0	0.0	36.7

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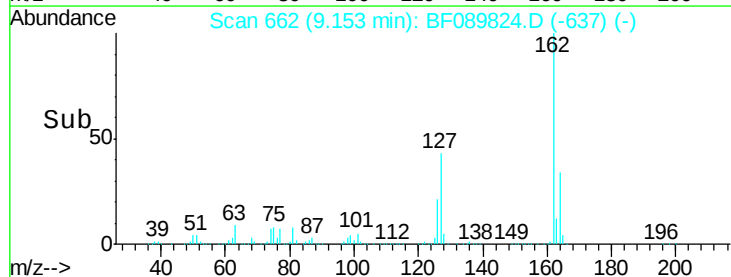
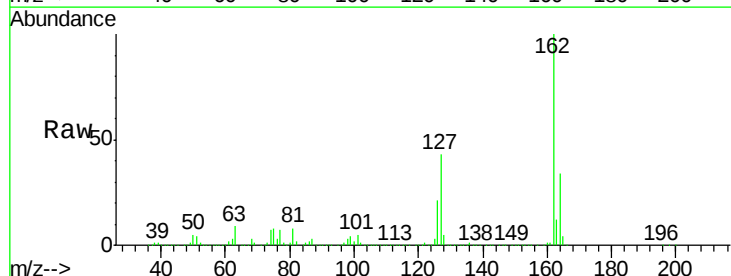
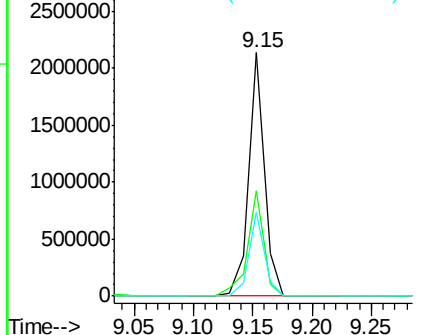
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

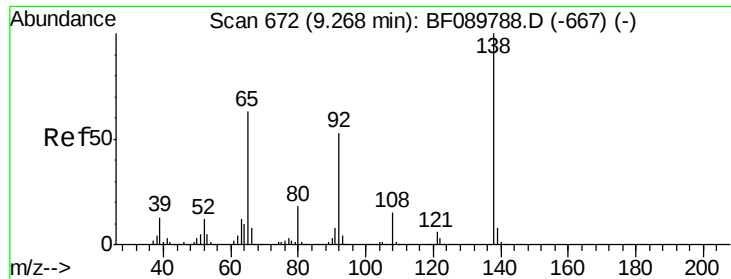


#46
 2-Chloronaphthalene
 Concen: 34.00 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
162	100		
127	43.3	35.5	53.3
164	34.5	26.6	40.0

Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





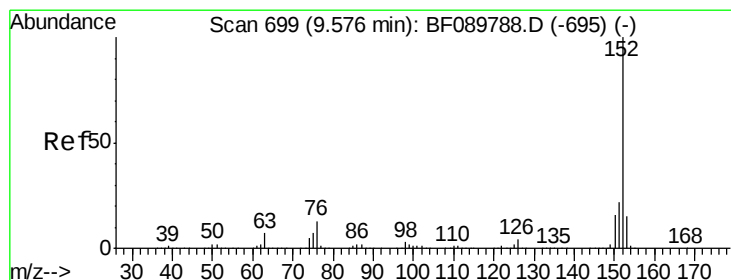
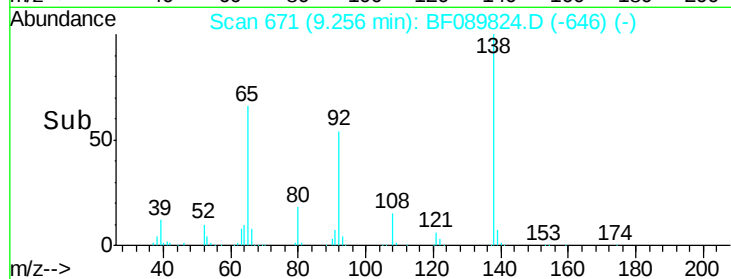
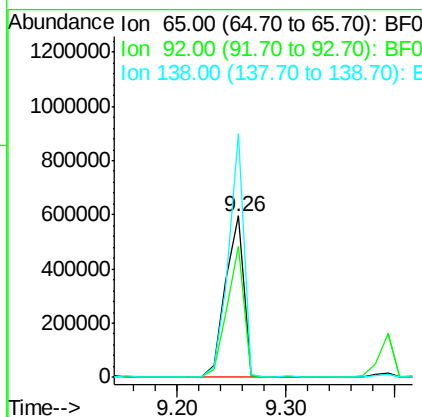
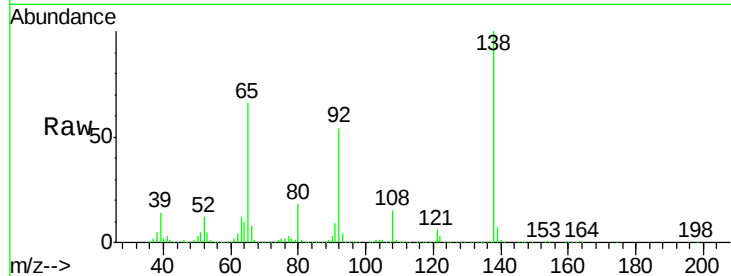
#47
2-Nitroaniline
Concen: 41.69 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	695791		
92	81.0	56.3	84.5	
138	150.6	81.8	122.8#	

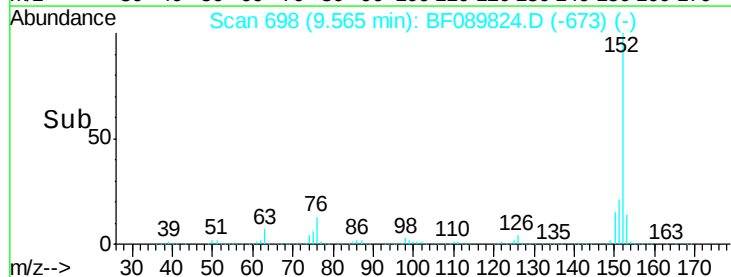
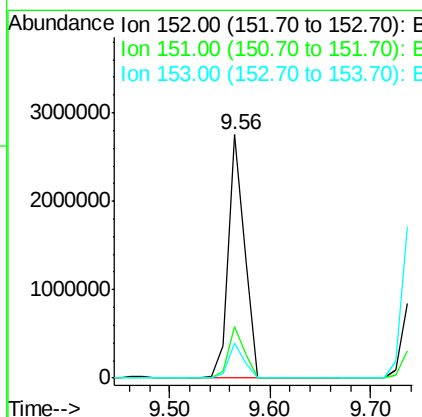
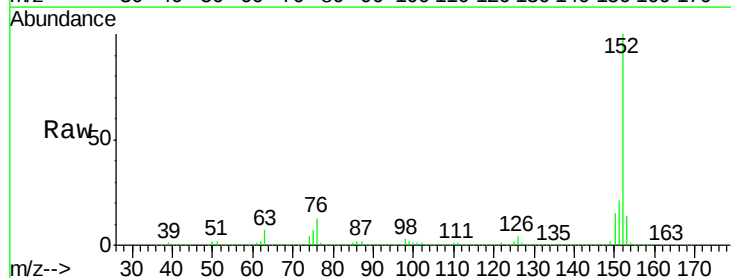
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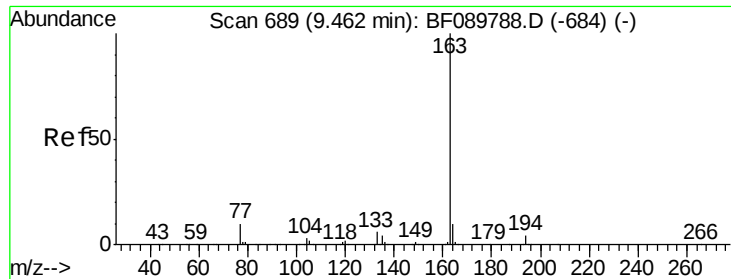
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#48
Acenaphthylene
Concen: 34.88 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	3066654		
151	21.5	17.1	25.7	
153	14.4	11.2	16.8	





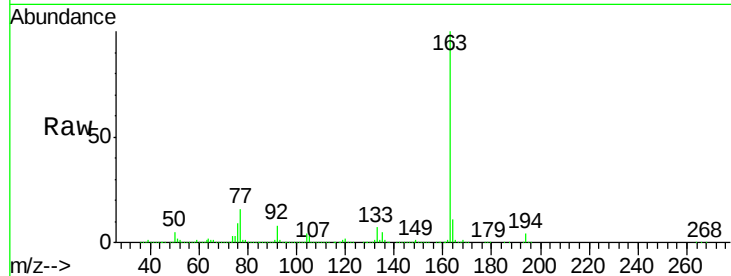
#49
Dimethylphthalate
Concen: 57.61 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

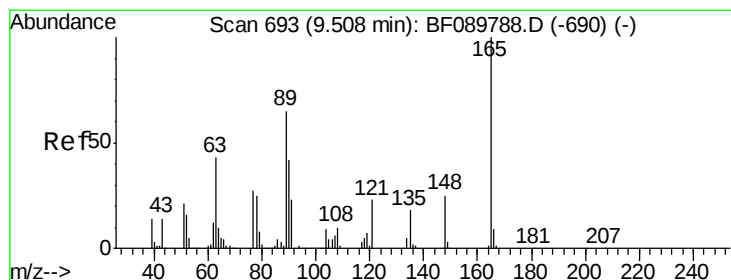
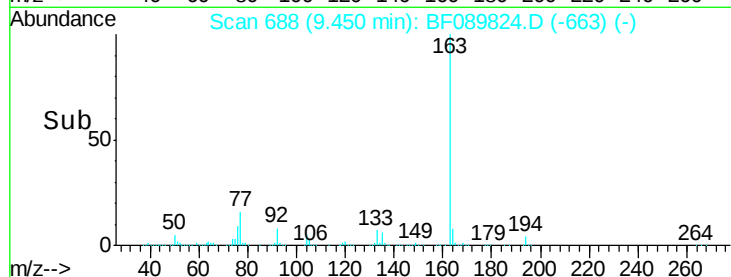
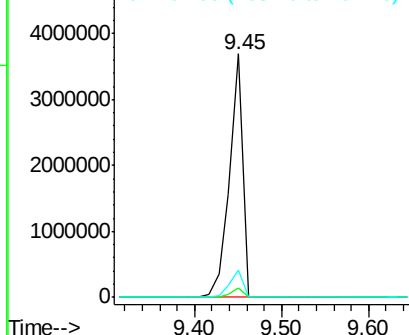
Tgt Ion:163 Resp: 3880071
Ion Ratio Lower Upper
163 100
194 3.9 2.6 3.8#
164 11.2 8.6 12.8

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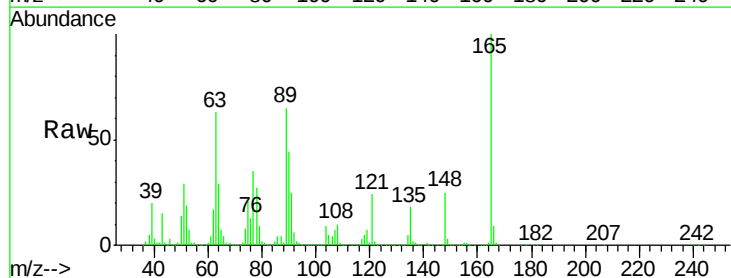


Abundance Ion 163.00 (162.70 to 163.70): E
5000000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

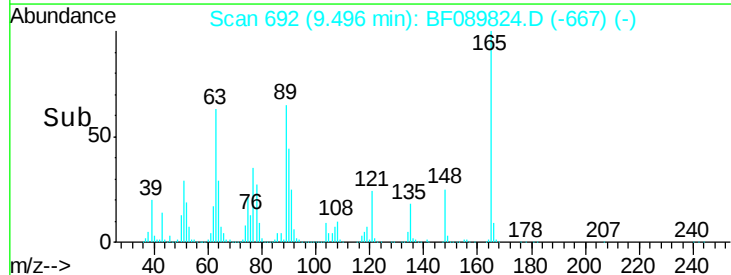
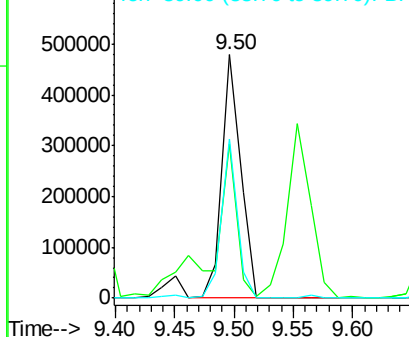


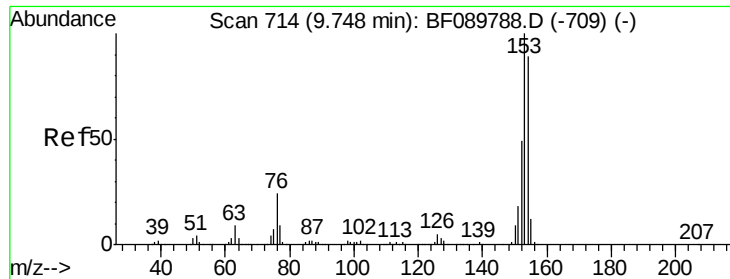
#50
2,6-Dinitrotoluene
Concen: 33.45 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion:165 Resp: 520062
Ion Ratio Lower Upper
165 100
63 63.2 41.7 62.5#
89 65.2 44.6 67.0



Abundance Ion 165.00 (164.70 to 165.70): E
600000
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





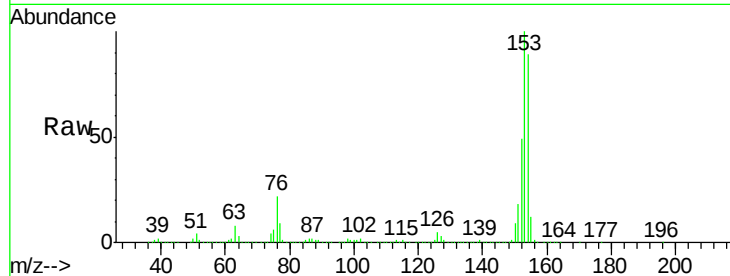
#51
Acenaphthene
Concen: 36.75 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

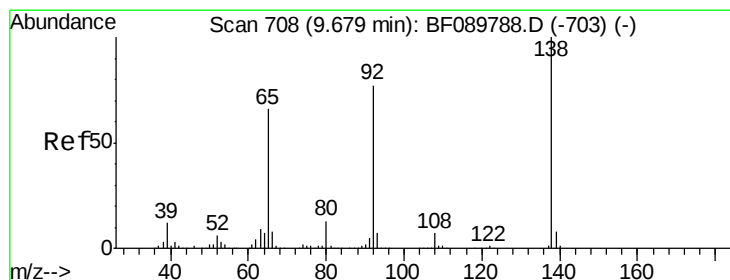
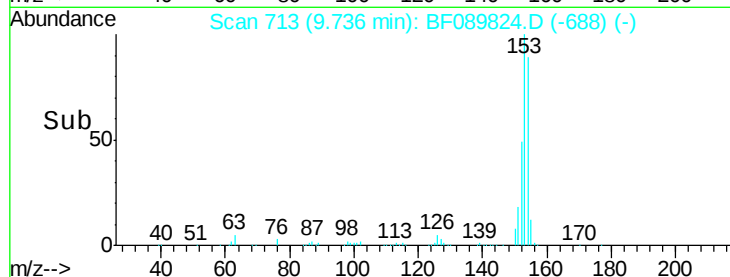
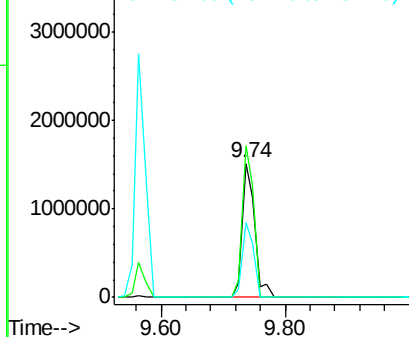
Tgt Ion:154 Resp: 2138488
Ion Ratio Lower Upper
154 100
153 112.8 90.5 135.7
152 55.3 44.6 67.0

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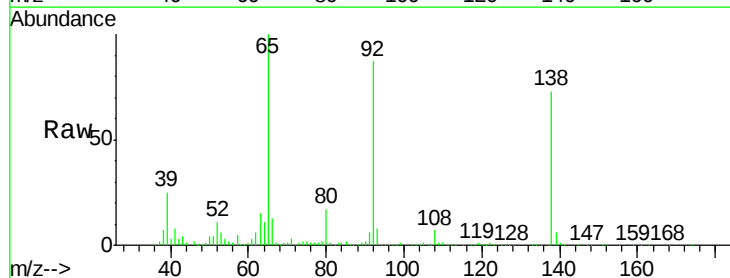


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

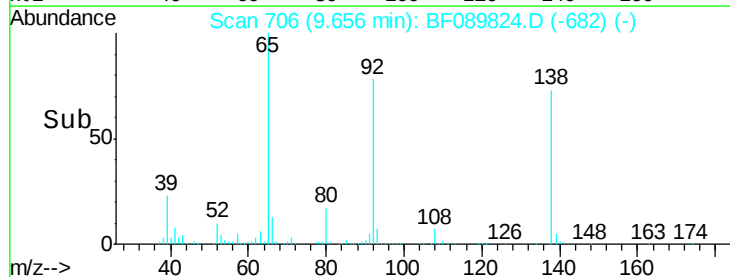
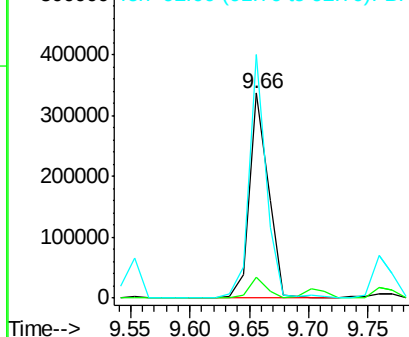


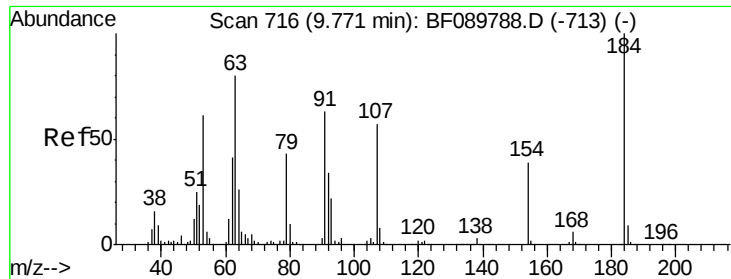
#52
3-Nitroaniline
Concen: 21.83 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.02 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion:138 Resp: 376120
Ion Ratio Lower Upper
138 100
108 10.0 8.1 12.1
92 119.0 92.7 139.1



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





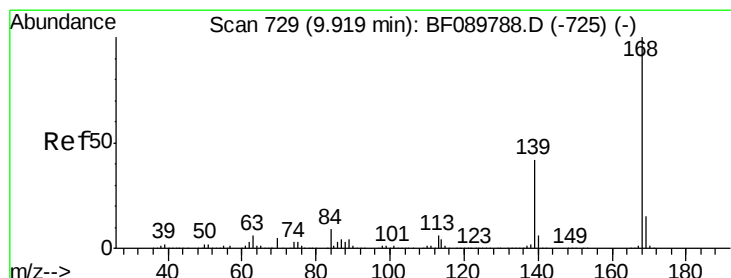
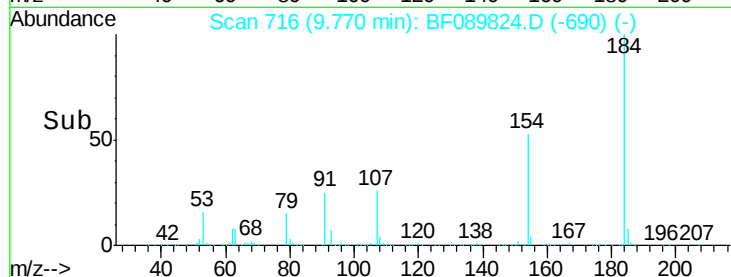
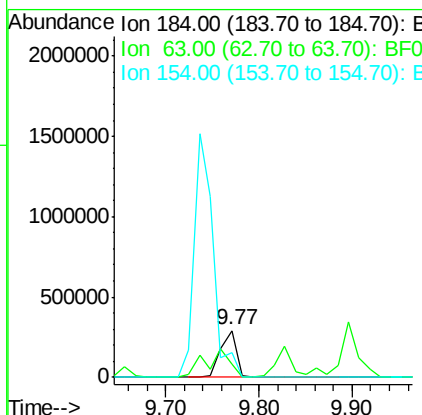
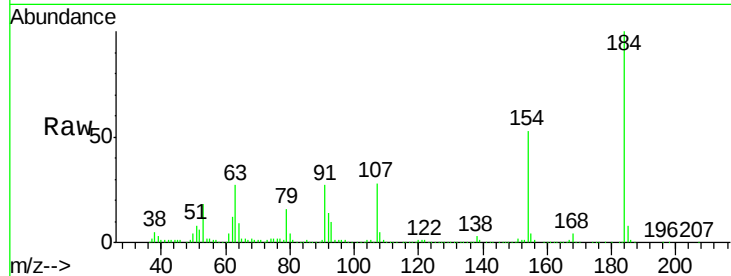
#53
2,4-Dinitrophenol
Concen: 46.18 ng
RT: 9.77 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
184	100		
63	27.1	54.2	81.4#
154	52.9	52.7	79.1

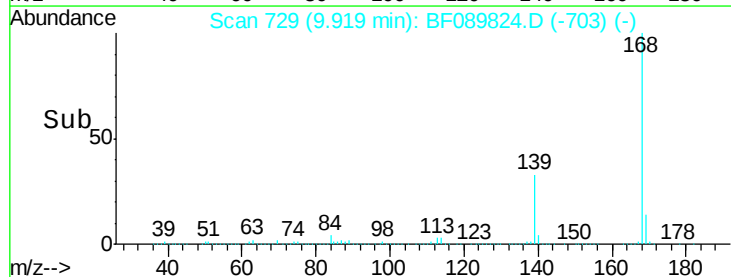
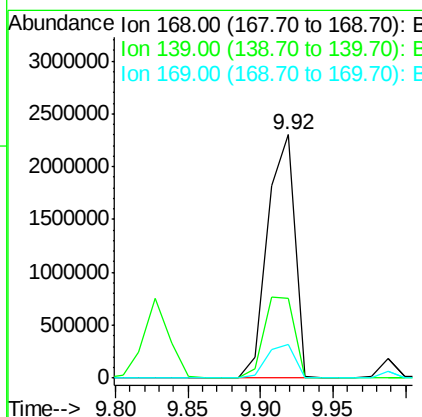
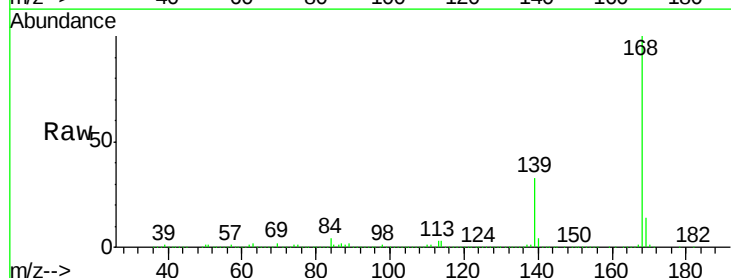
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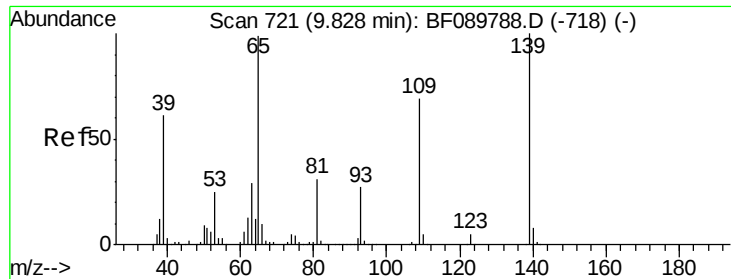
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#54
Dibenzofuran
Concen: 40.64 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.0	34.6	52.0#
169	13.6	11.5	17.3





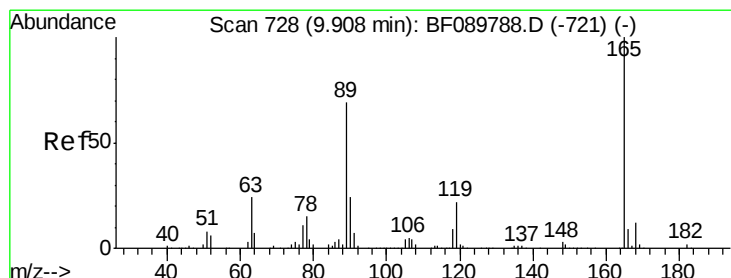
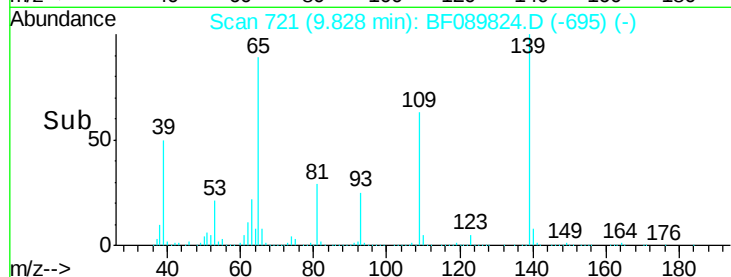
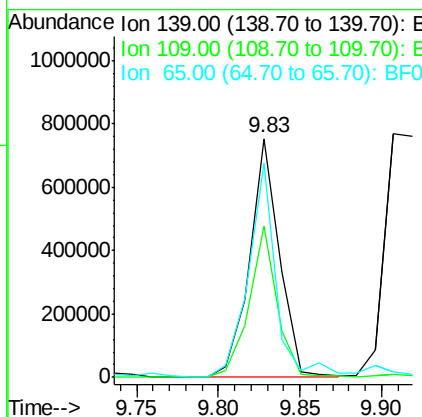
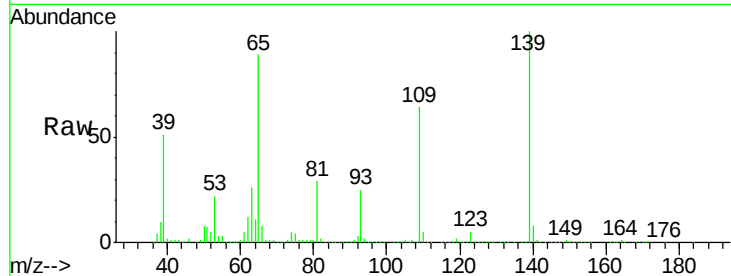
#55
4-Nitrophenol
Concen: 67.96 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	955628		
109	63.5	43.0	83.0	
65	89.4	55.7	95.7	

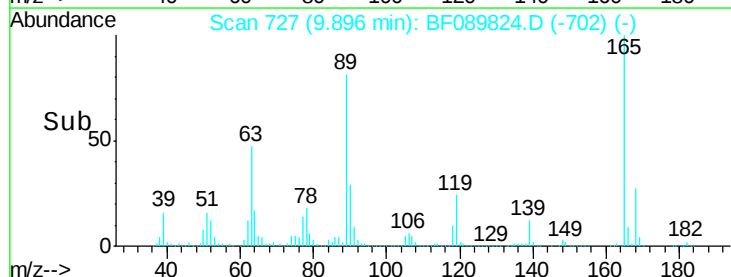
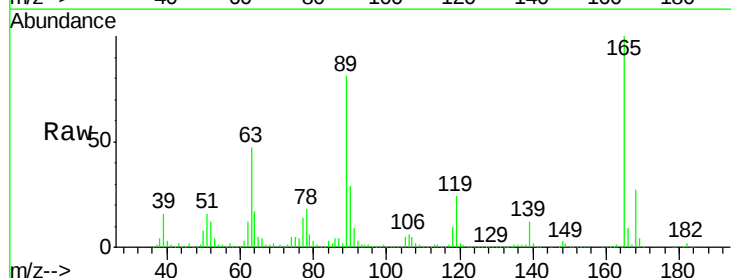
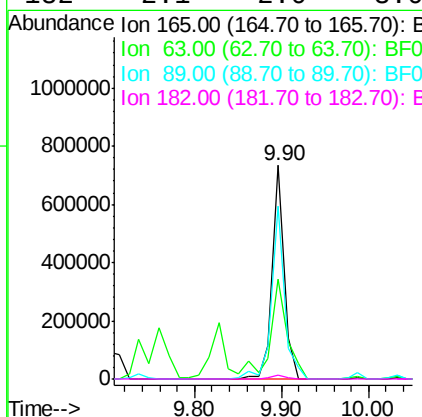
Manual Integrations
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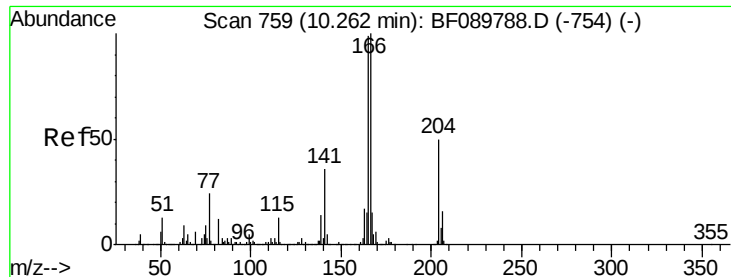
UMANGI
8/25/2016 5:22:04 PM



#56
2,4-Dinitrotoluene
Concen: 34.47 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	695366		
63	46.8	23.7	35.5#	
89	81.2	44.0	66.0#	
182	2.1	2.0	3.0	





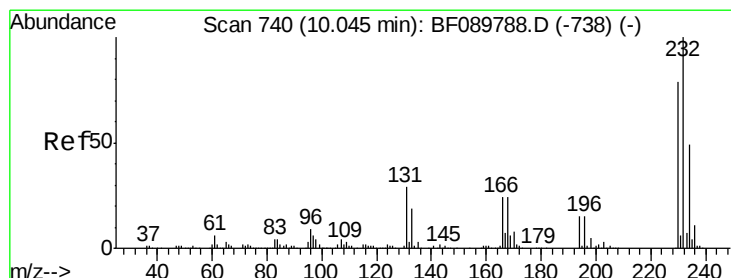
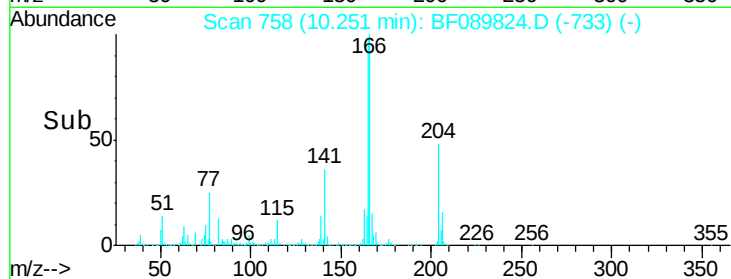
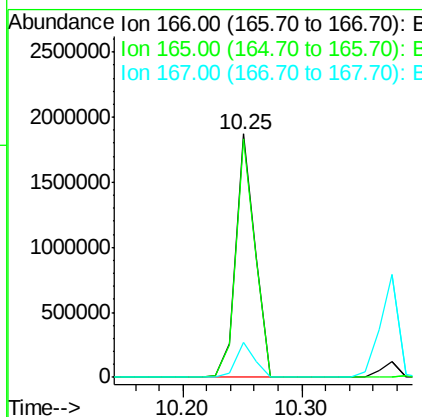
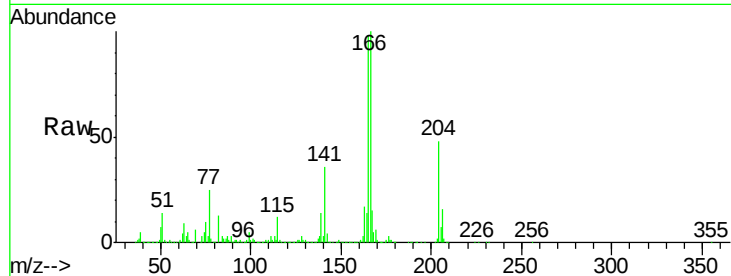
#57
Fluorene
 Concen: 36.12 ng
 RT: 10.25 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	80.2	120.4
167	14.6	11.3	16.9

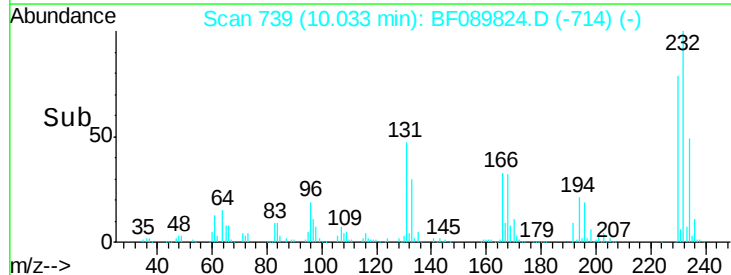
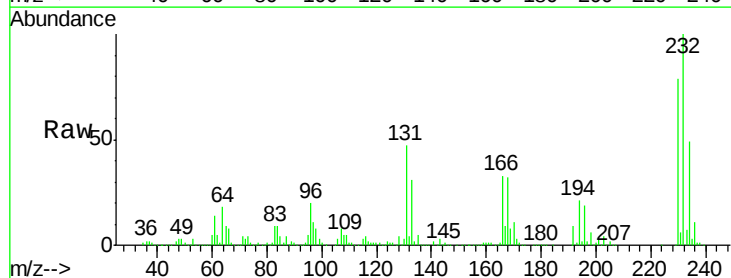
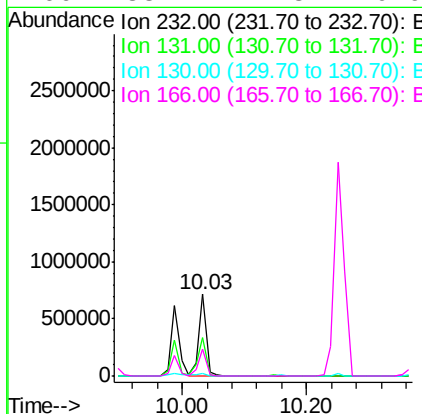
Manual Integrations
 APPROVED

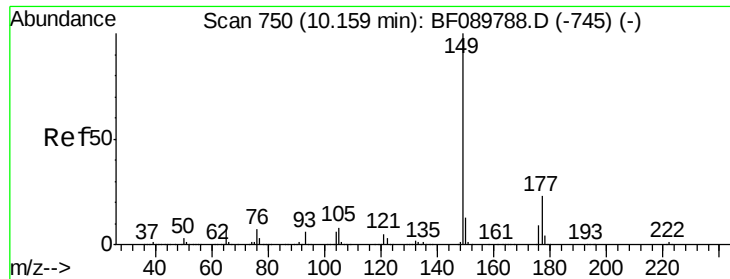
UMANGI
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 43.56 ng
 RT: 10.03 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
232	100		
131	50.6	42.5	63.7
130	6.3	2.2	3.4
166	33.7	27.3	40.9





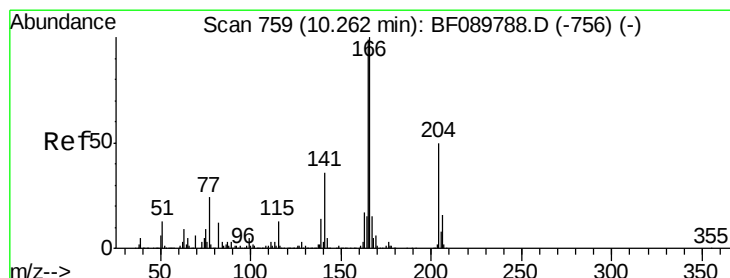
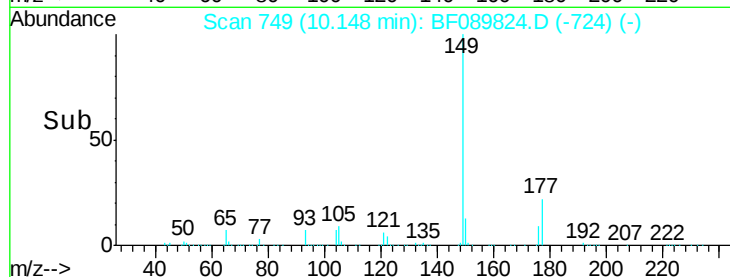
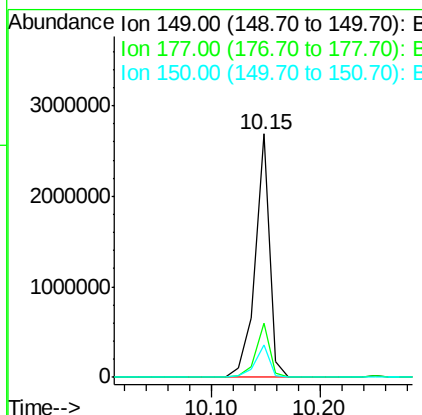
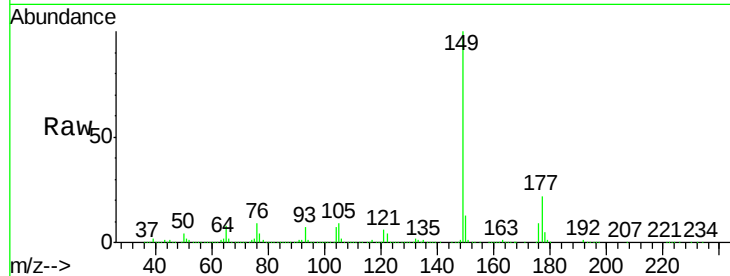
#59
Diethylphthalate
Concen: 36.38 ng
RT: 10.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.3	16.6	25.0
150	13.3	10.5	15.7

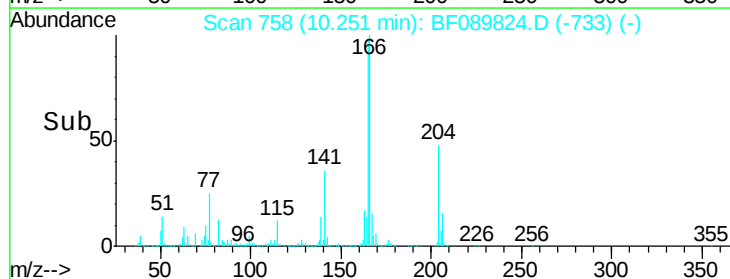
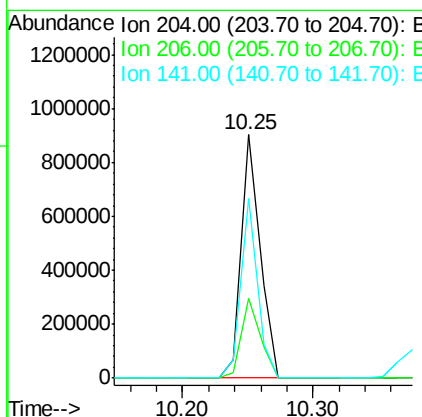
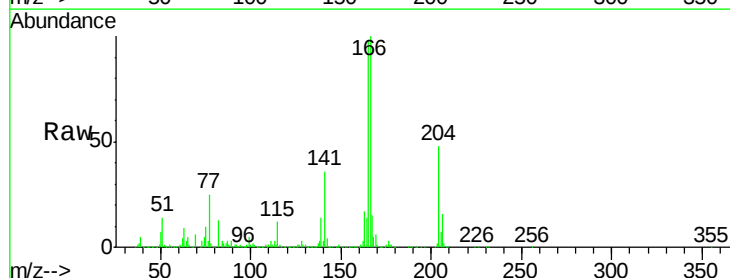
Manual Integrations
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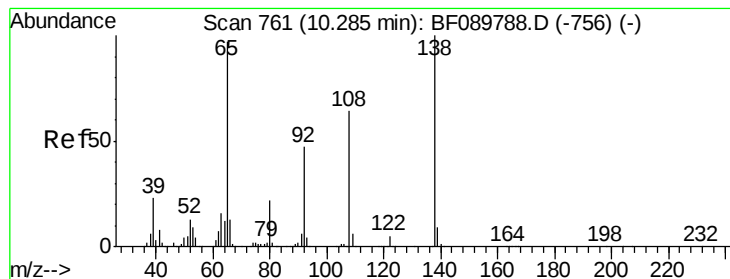
UMANGI
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#60
4-Chlorophenyl-phenylether
Concen: 33.99 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	73.8	54.1	81.1





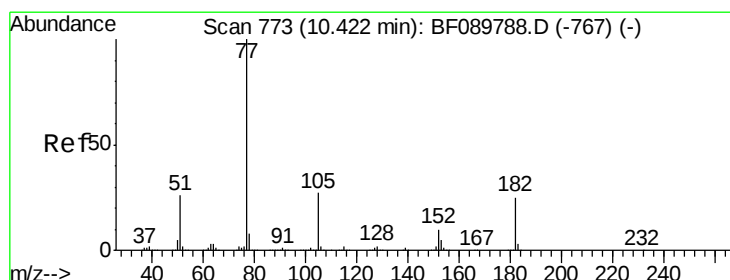
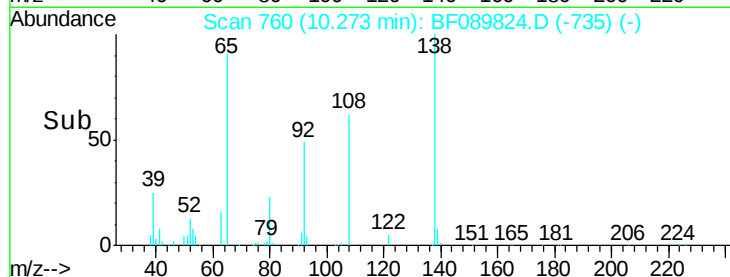
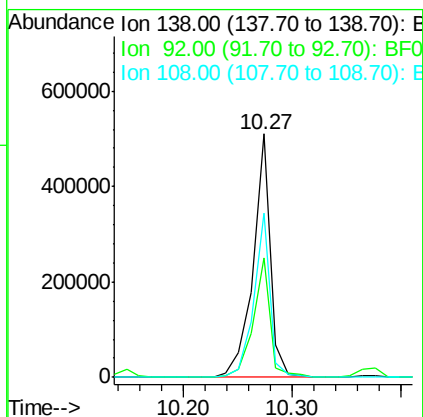
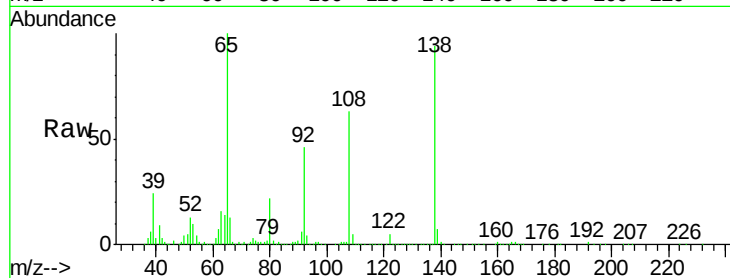
#61
4-Nitroaniline
Concen: 35.22 ng
RT: 10.27 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	568890		
92	49.2	26.4	66.4	
108	67.3	47.0	87.0	

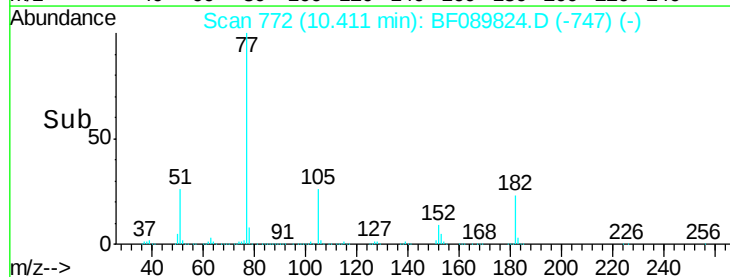
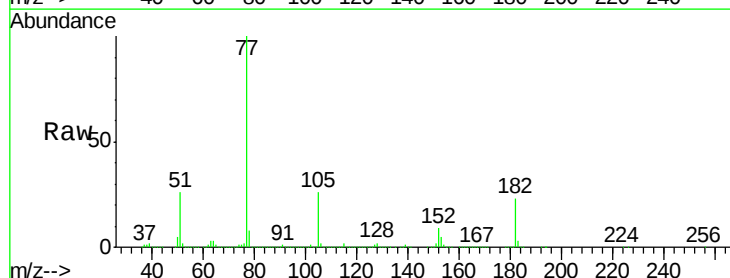
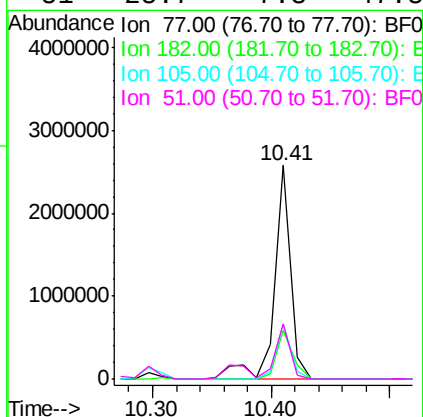
Manual Integrations
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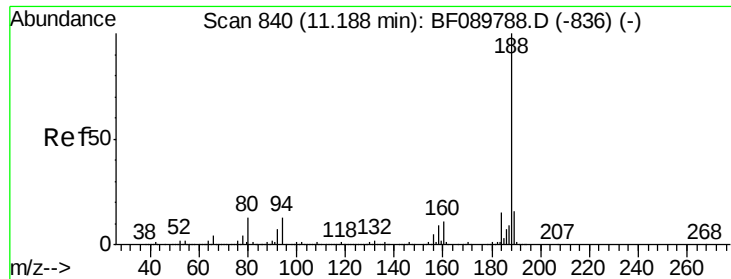
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#62
Azobenzene
Concen: 38.68 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	2487751		
182	22.7	5.6	45.6	
105	26.0	4.0	44.0	
51	25.7	7.8	47.8	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:188 Resp: 1815288

Ion Ratio Lower Upper

188 100

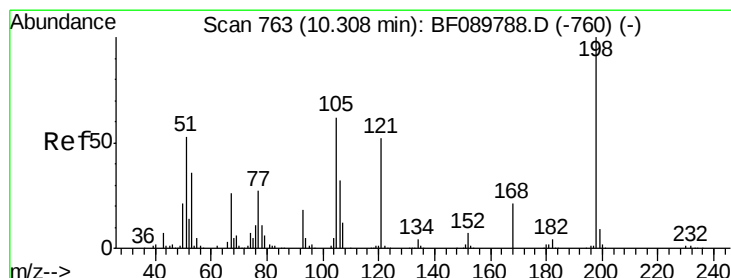
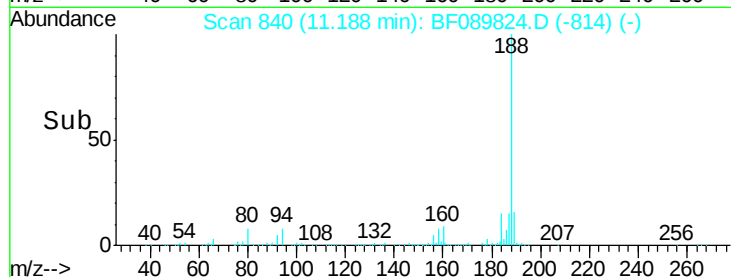
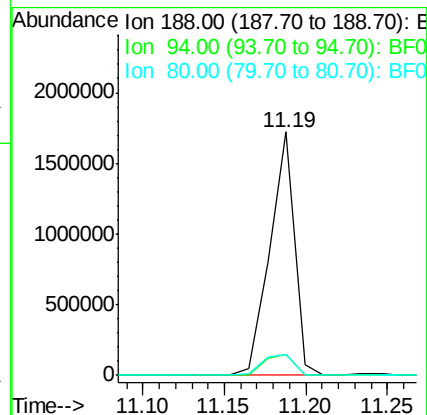
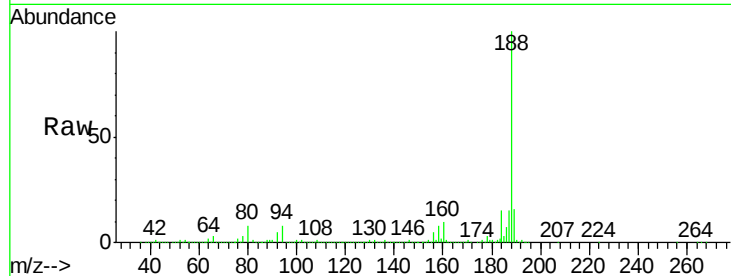
94 8.4 10.2 15.2#

80 8.4 10.9 16.3#

Manual Integrations
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#64

4,6-Dinitro-2-methylphenol

Concen: 33.99 ng

RT: 10.31 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

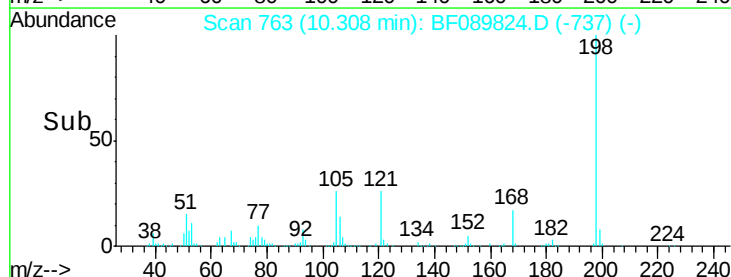
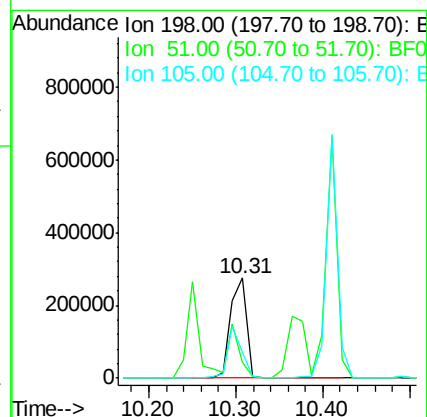
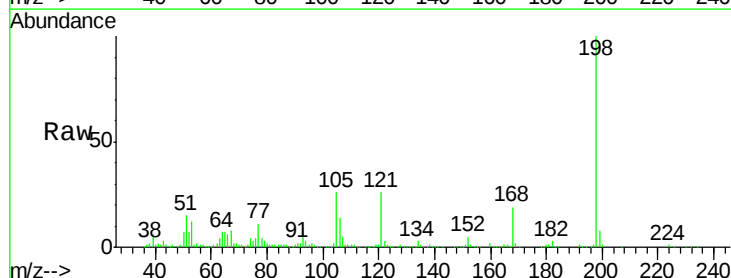
Tgt Ion:198 Resp: 354583

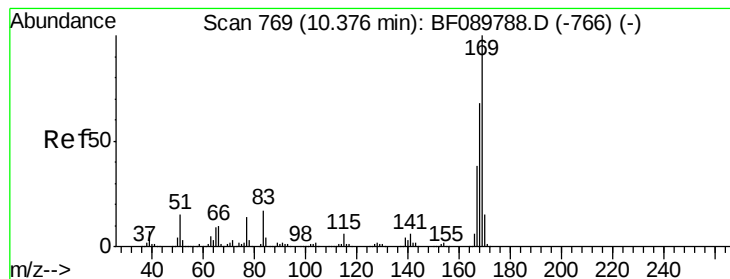
Ion Ratio Lower Upper

198 100

51 15.3 32.3 72.3#

105 26.0 32.9 72.9#





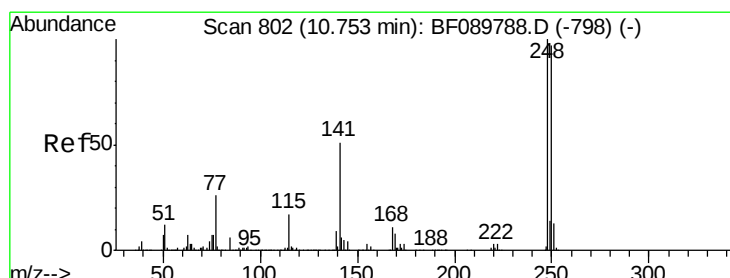
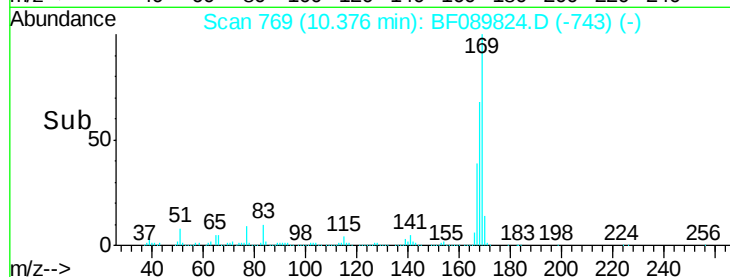
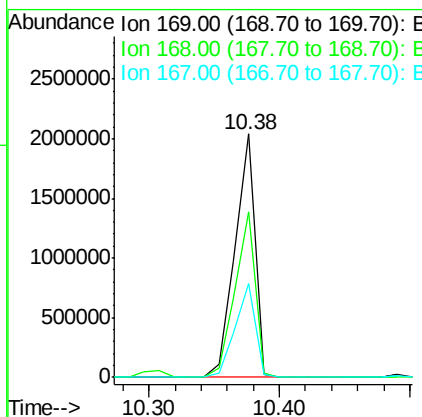
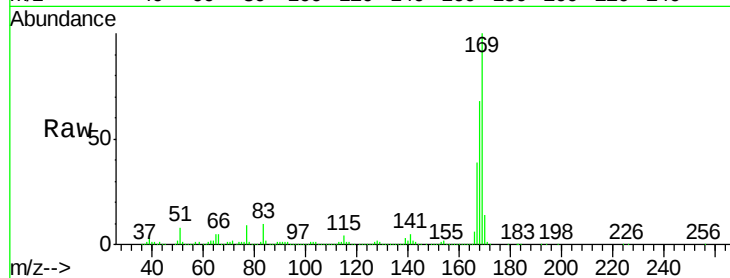
#65
 n-Nitrosodiphenylamine
 Concen: 37.88 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion:169 Resp: 2162033
 Ion Ratio Lower Upper
 169 100
 168 68.2 54.6 82.0
 167 38.8 30.6 45.8

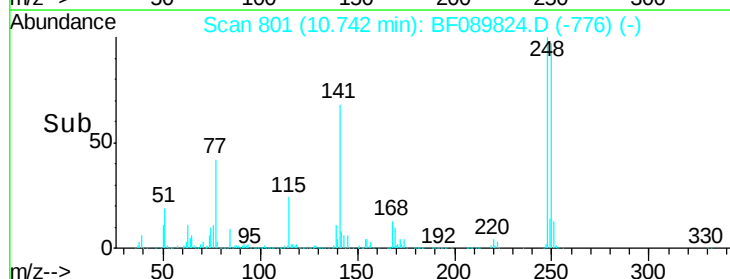
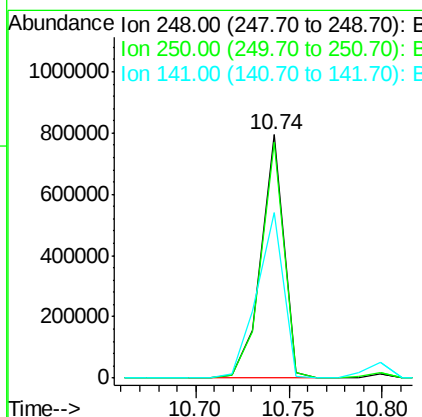
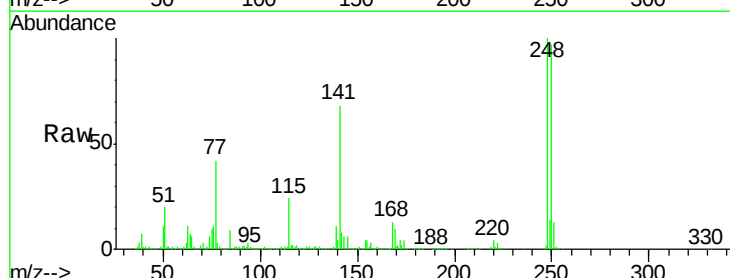
Manual Integrations
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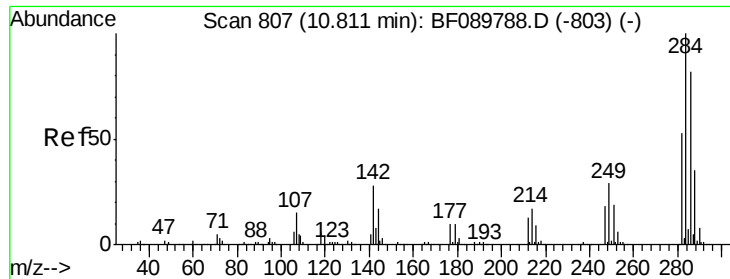
UMANGI
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#66
 4-Bromophenyl-phenylether
 Concen: 35.35 ng
 RT: 10.74 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion:248 Resp: 672736
 Ion Ratio Lower Upper
 248 100
 250 96.8 78.6 117.8
 141 67.7 31.4 47.2#





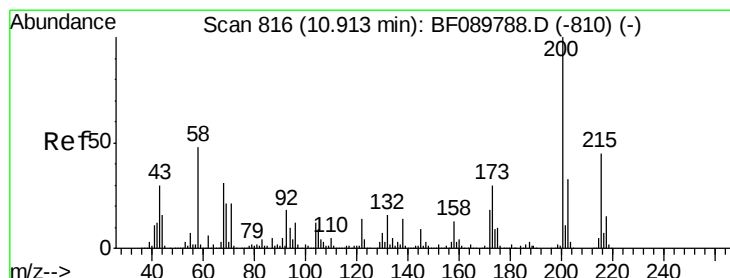
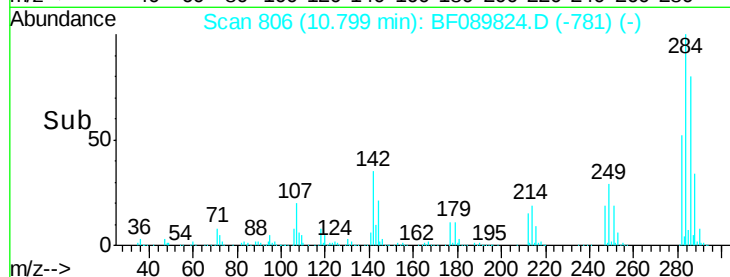
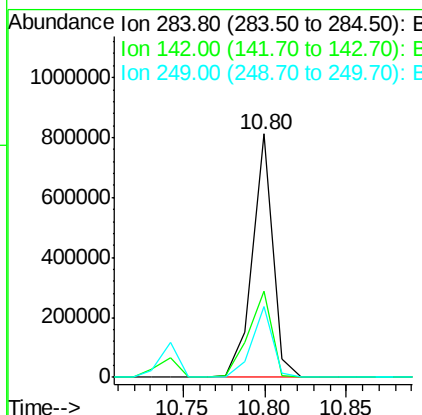
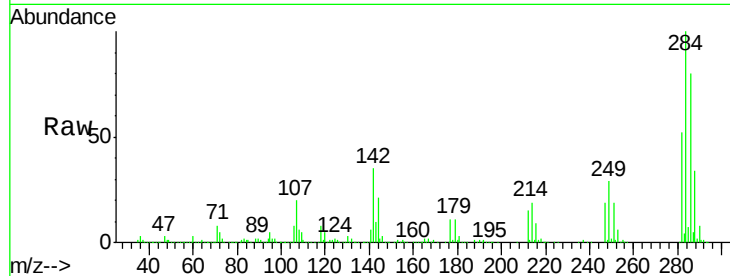
#67
Hexachlorobenzene
Concen: 32.59 ng
RT: 10.80 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	707514		
142	35.5	17.4	26.2	#
249	29.2	22.8	34.2	

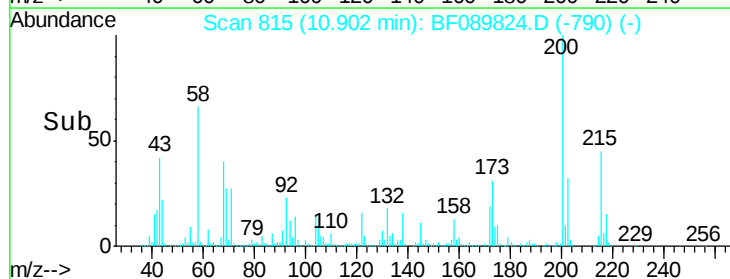
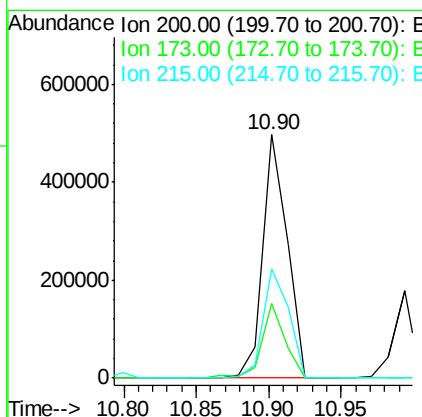
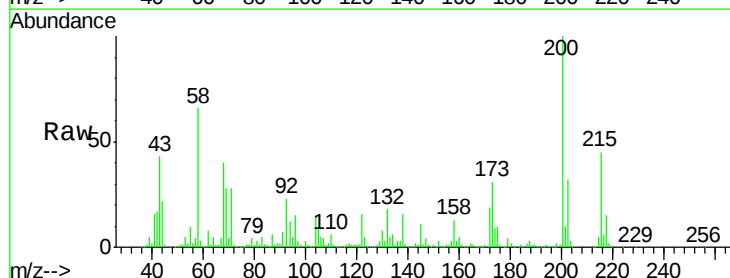
Manual Integrations
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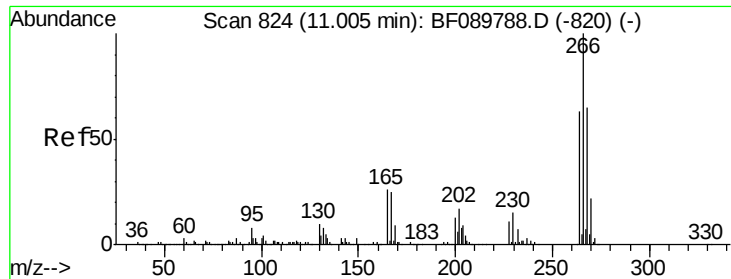
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#68
Atrazine
Concen: 33.15 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	579407		
173	30.8	6.6	46.6	
215	44.7	24.7	64.7	





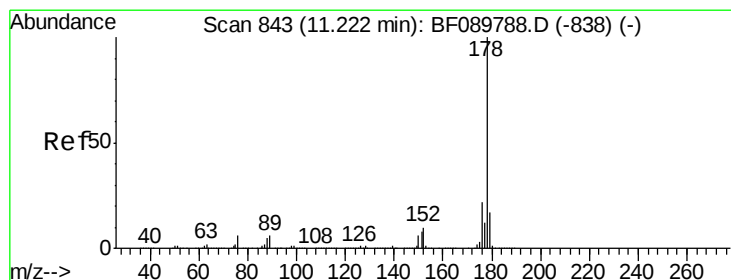
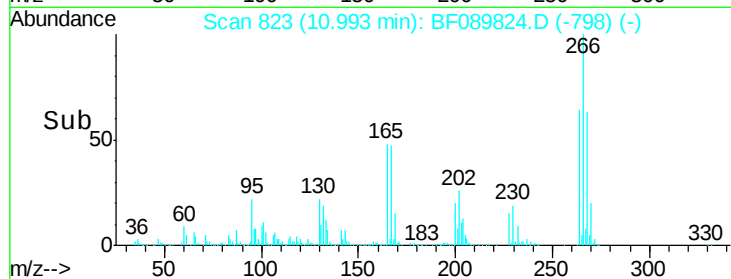
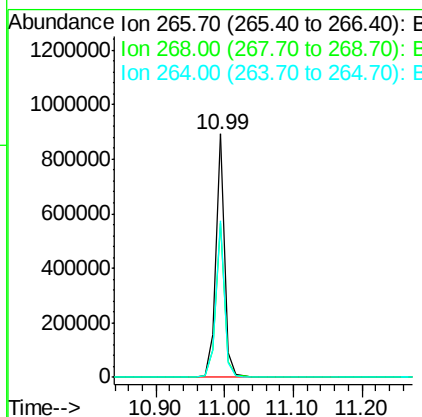
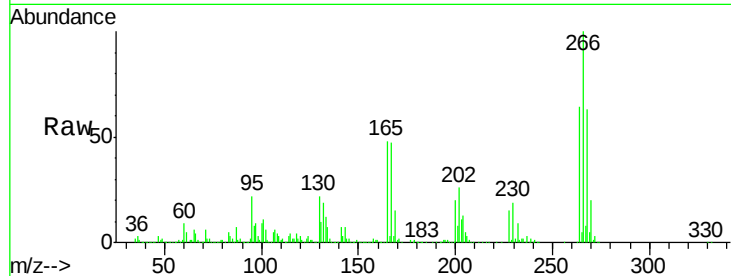
#69
 Pentachlorophenol
 Concen: 66.04 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	53.2	79.8
264	64.1	51.1	76.7

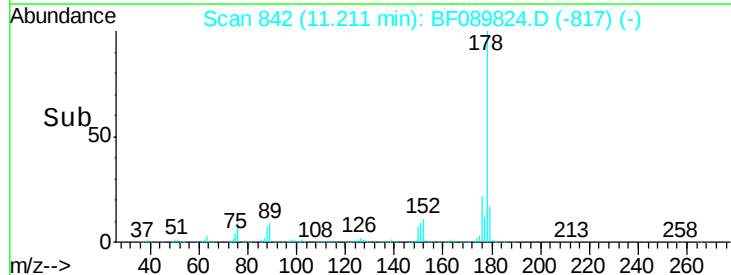
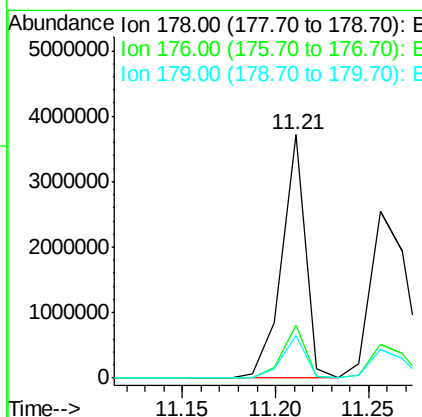
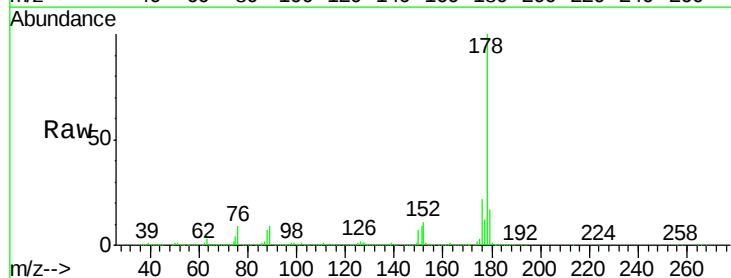
Manual Integrations
 APPROVED

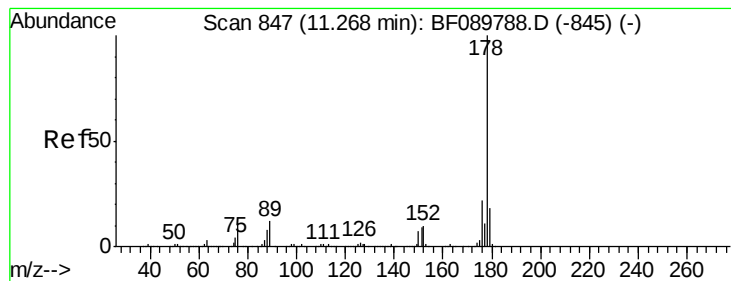
UMANGI
 8/25/2016 5:22:04 PM



#70
 Phenanthrene
 Concen: 35.75 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.9	16.4	24.6
179	17.3	12.5	18.7





#71

Anthracene

Concen: 35.03 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:178 Resp: 3264723

Ion Ratio Lower Upper

178 100

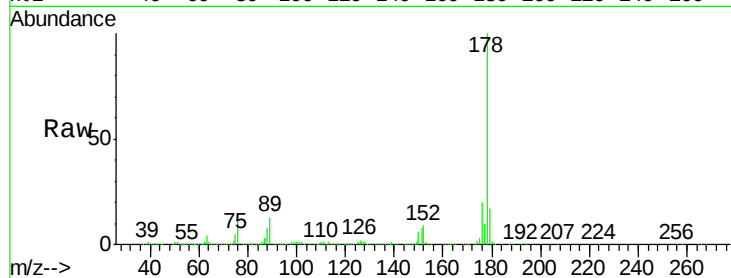
176 20.3 16.4 24.6

179 16.9 13.1 19.7

Manual Integrations
APPROVED

UMANGI

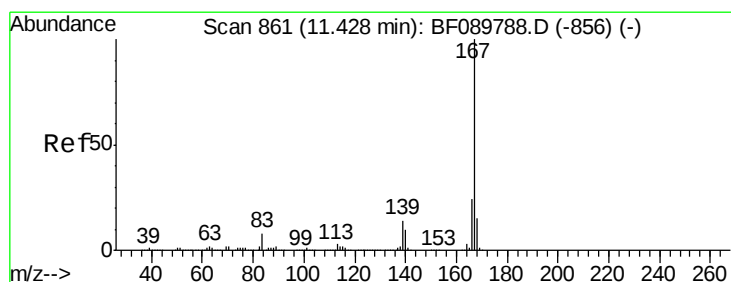
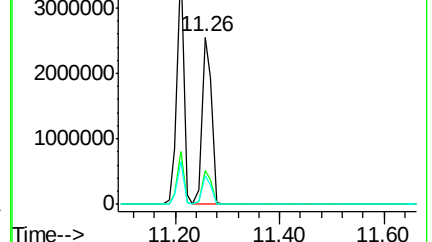
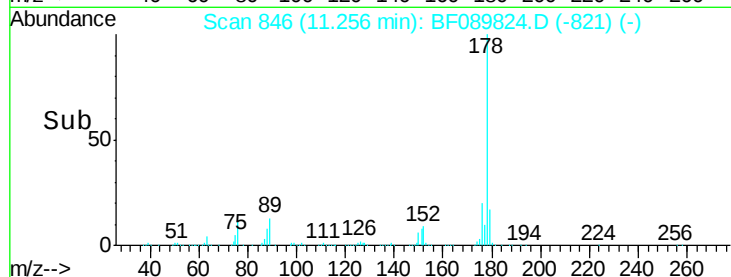
8/25/2016 5:22:04 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 35.94 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

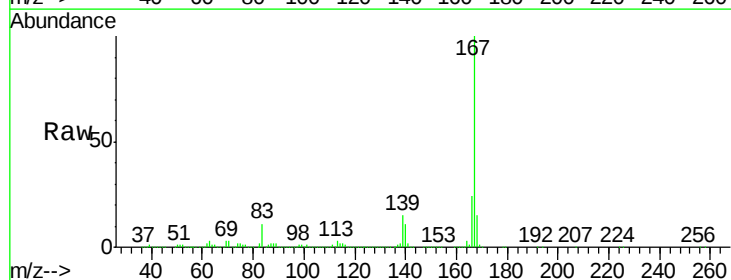
Tgt Ion:167 Resp: 3003962

Ion Ratio Lower Upper

167 100

166 24.0 17.9 26.9

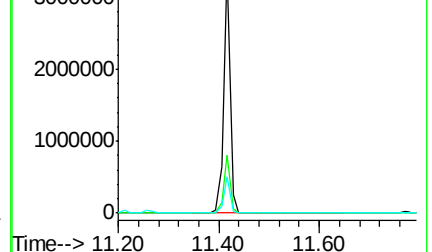
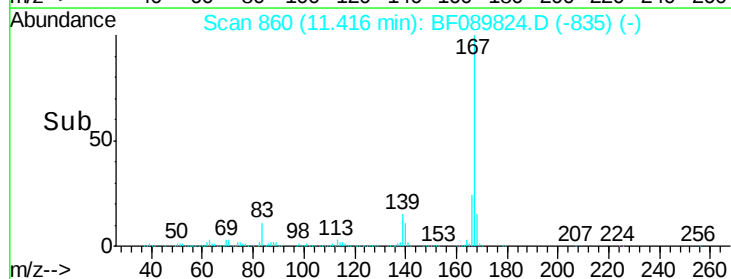
139 14.8 12.4 18.6

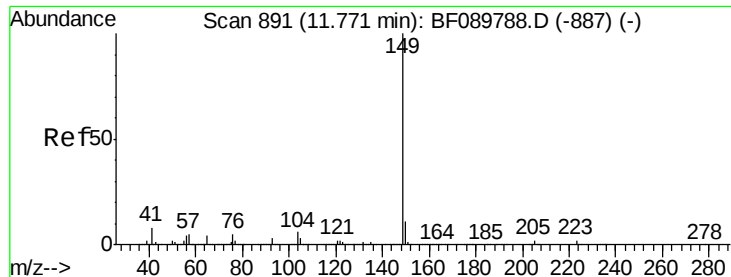


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 37.71 ng

RT: 11.77 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampled :

D-1(2-2.5)MSD

Tgt Ion:149 Resp: 3944502

Ion Ratio Lower Upper

149 100

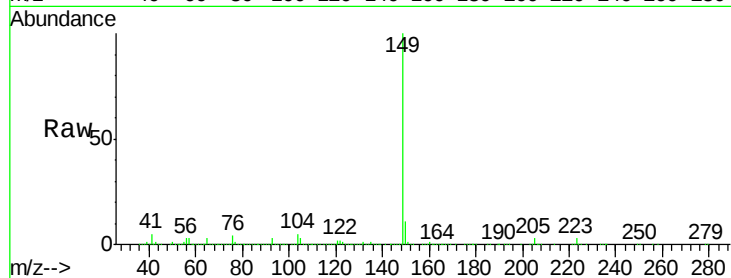
150 10.8 7.9 11.9

104 4.7 4.3 6.5

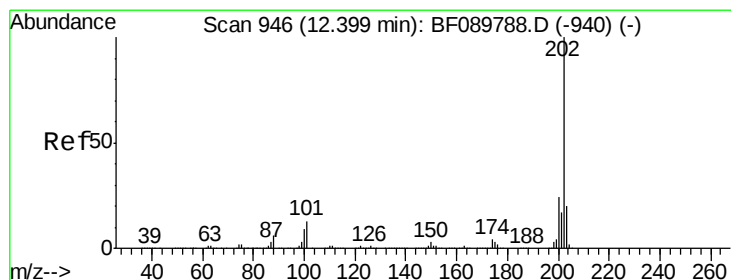
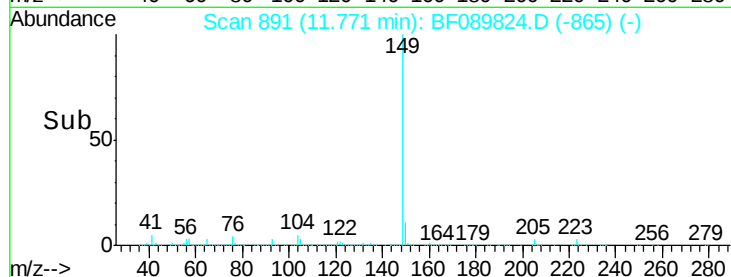
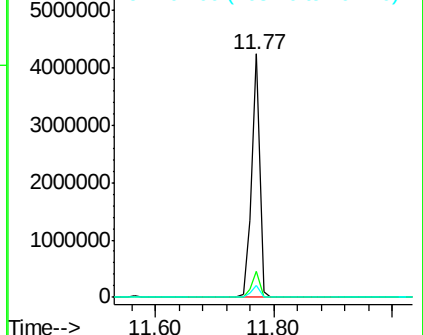
Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 38.59 ng

RT: 12.41 min Scan# 947

Delta R.T. 0.01 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

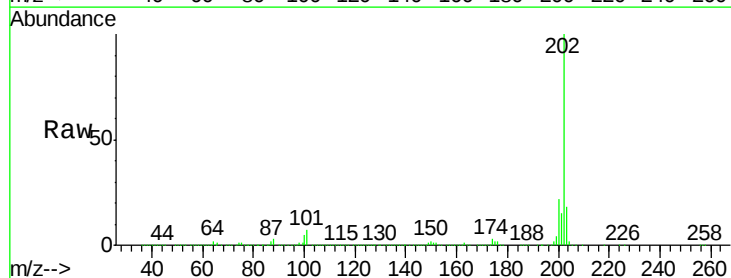
Tgt Ion:202 Resp: 3365049

Ion Ratio Lower Upper

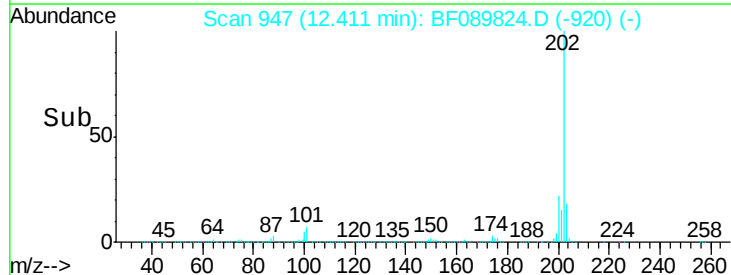
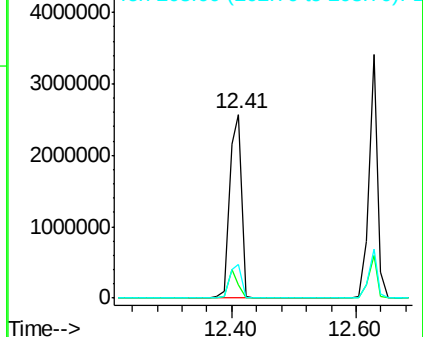
202 100

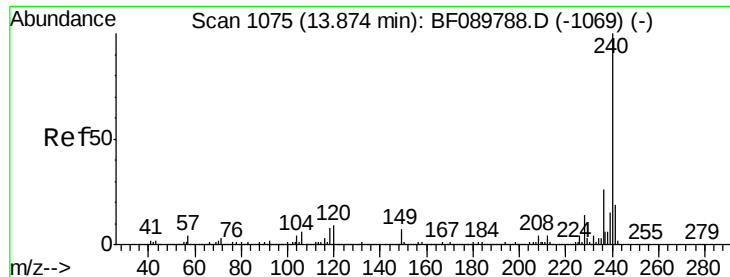
101 6.8 0.0 31.2

203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1079

Delta R.T. 0.05 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:240 Resp: 1539357
Ion Ratio Lower Upper

240 100

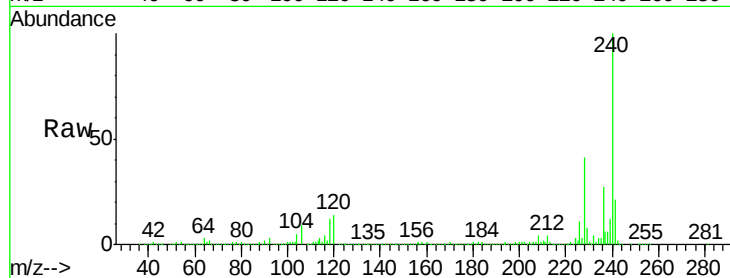
120 14.0 8.3 12.5#

236 26.9 21.3 31.9

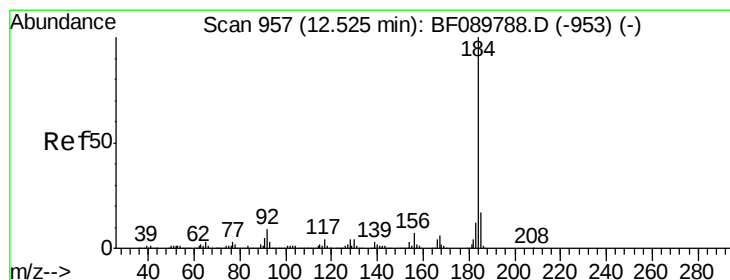
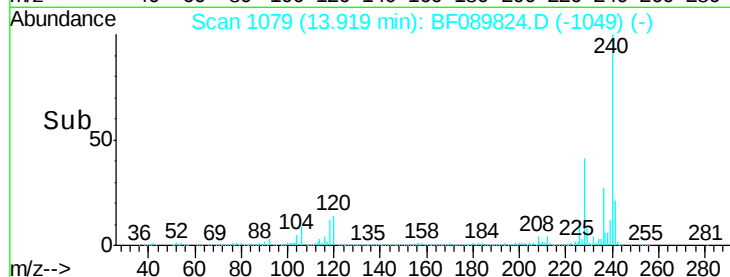
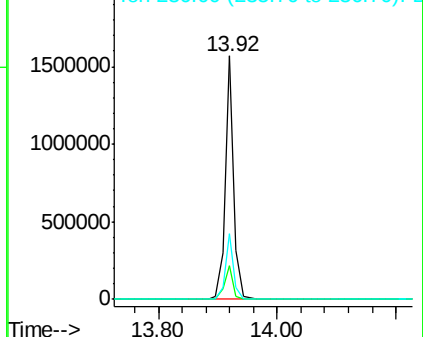
Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 29.31 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF089824.D

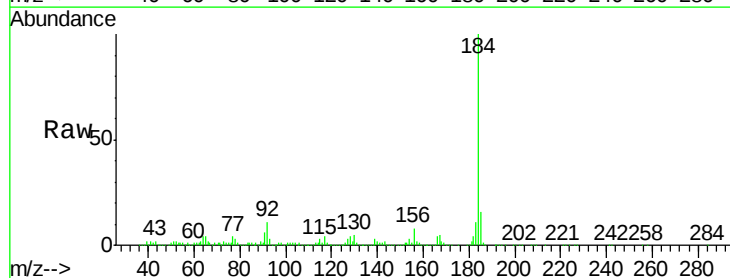
Acq: 23 Aug 2016 10:32

Tgt Ion:184 Resp: 1459968
Ion Ratio Lower Upper

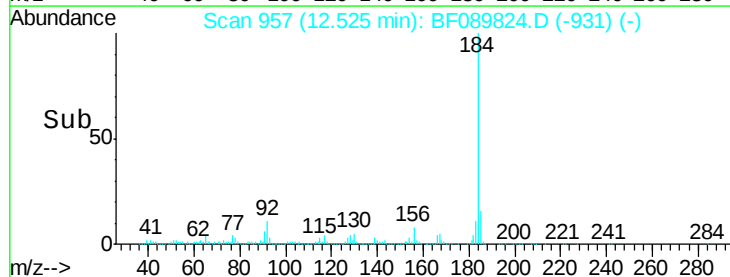
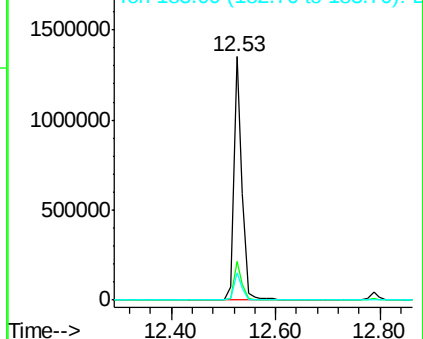
184 100

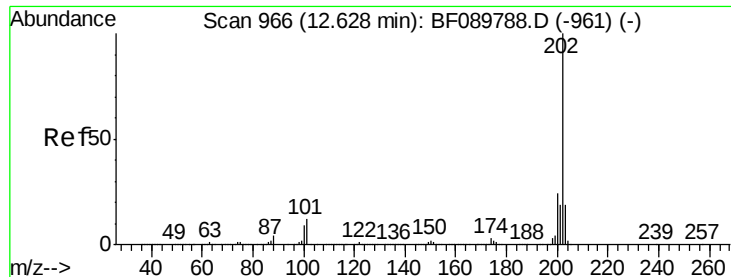
185 16.0 13.8 20.8

183 11.4 9.7 14.5



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 25.31 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:202 Resp: 3172958

Ion Ratio Lower Upper

202 100

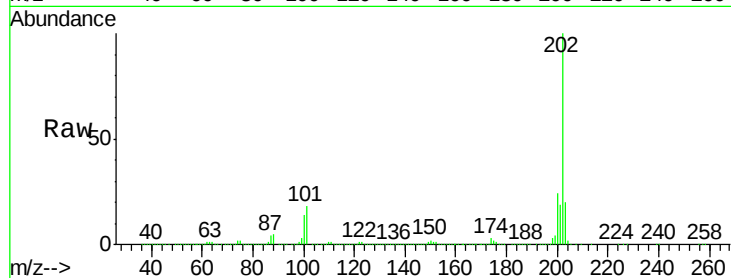
200 24.3 17.8 26.6

203 19.9 14.2 21.4

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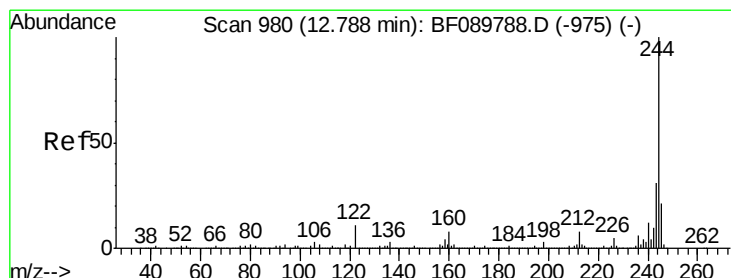
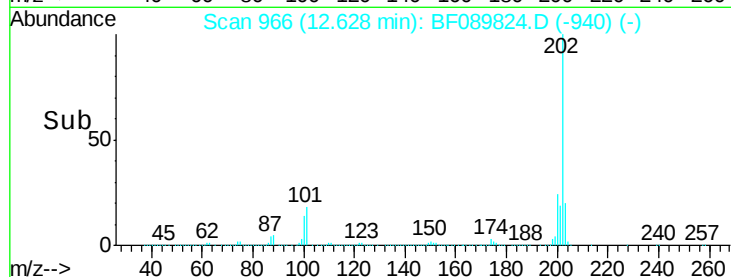
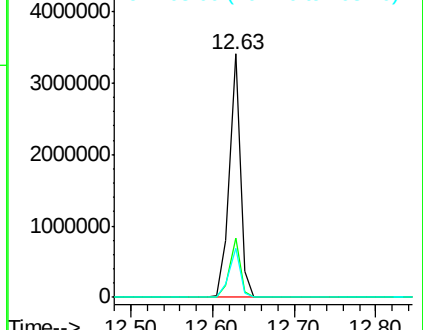
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 48.23 ng

RT: 12.79 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

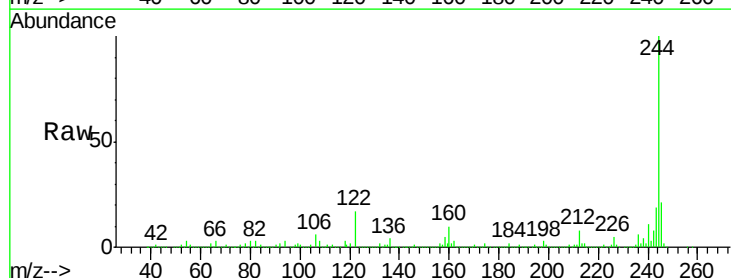
Tgt Ion:244 Resp: 3281715

Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

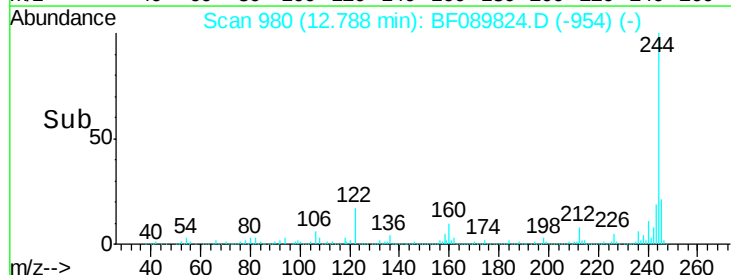
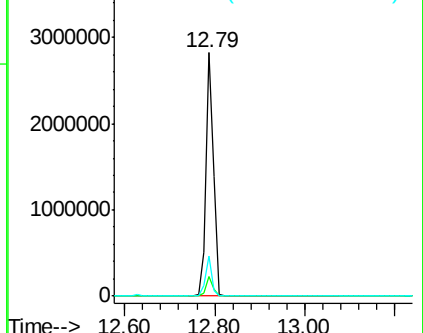
122 16.6 12.0 18.0

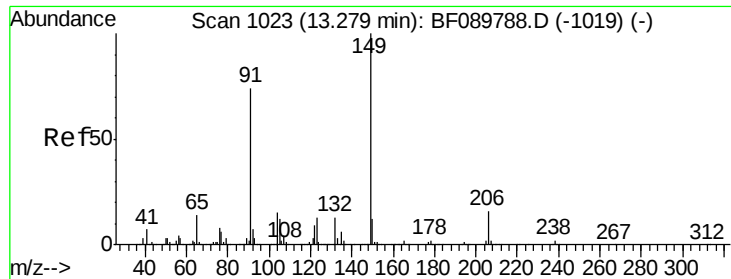


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





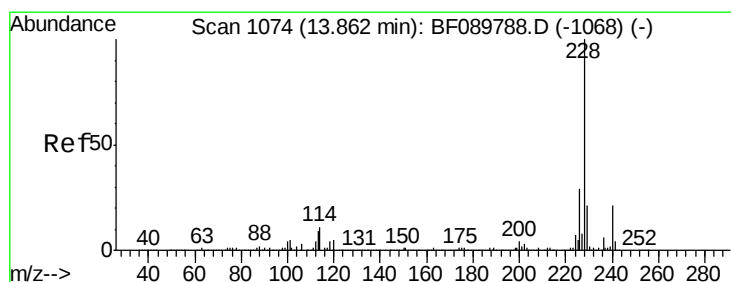
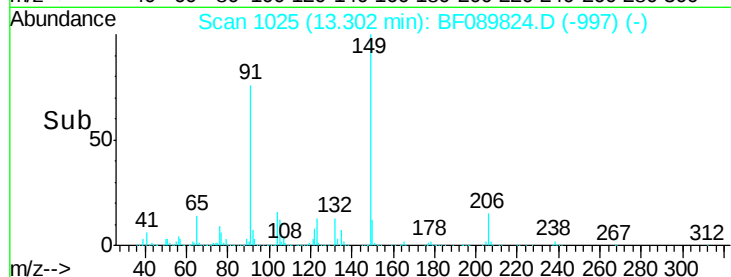
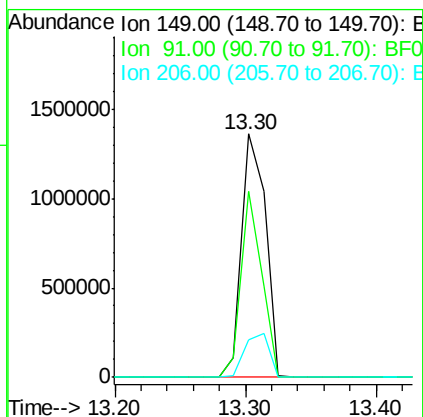
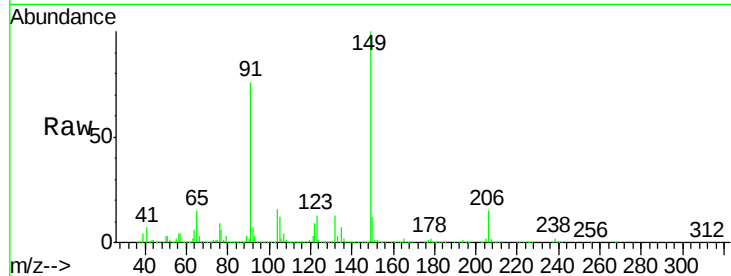
#79
Butylbenzylphthalate
Concen: 30.60 ng
RT: 13.30 min Scan# 1025
Delta R.T. 0.02 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion:149 Resp: 1732582
Ion Ratio Lower Upper
149 100
91 76.4 50.7 76.1#
206 15.4 15.5 23.3#

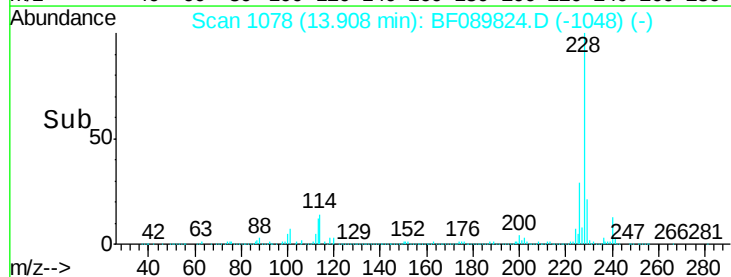
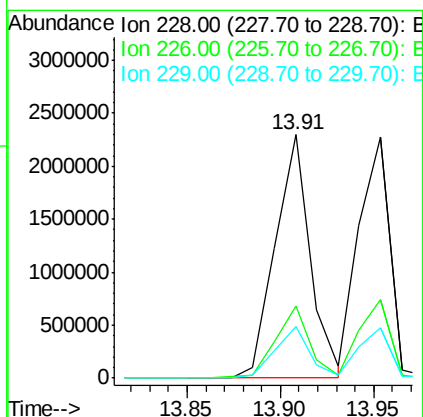
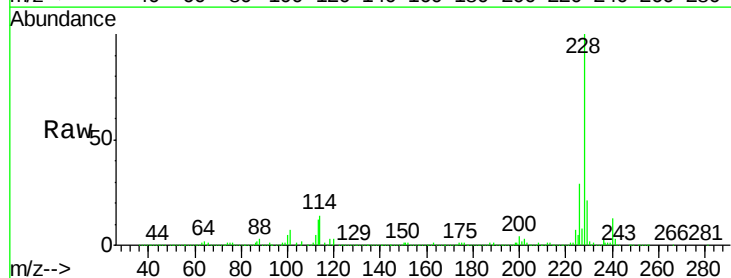
Manual Integrations
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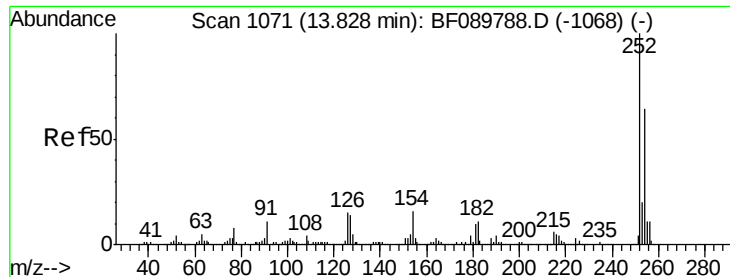
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#80
Benzo(a)anthracene
Concen: 34.15 ng
RT: 13.91 min Scan# 1078
Delta R.T. 0.05 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion:228 Resp: 3010912
Ion Ratio Lower Upper
228 100
226 29.5 23.2 34.8
229 21.3 16.2 24.4





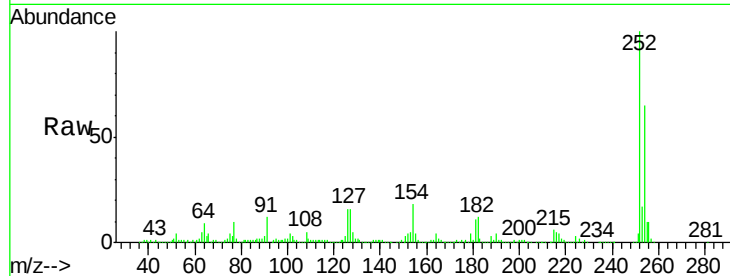
#81
 3,3'-Dichlorobenzidine
 Concen: 27.70 ng
 RT: 13.87 min Scan# 1075
 Delta R.T. 0.05 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

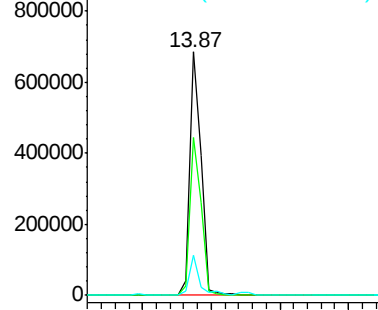
Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.1	50.6	75.8
126	16.4	12.6	18.8

Manual Integrations
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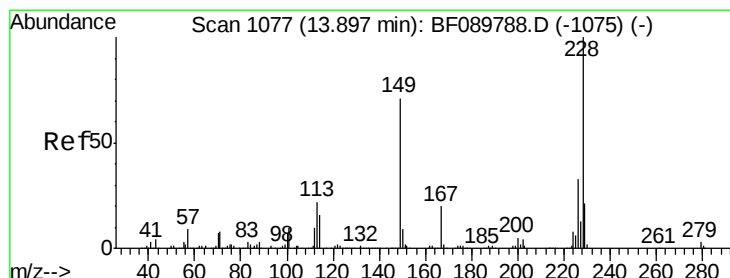
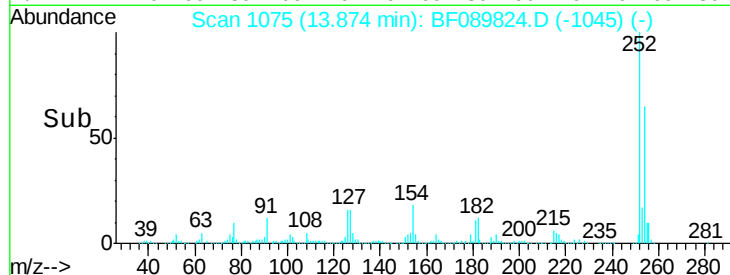
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Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

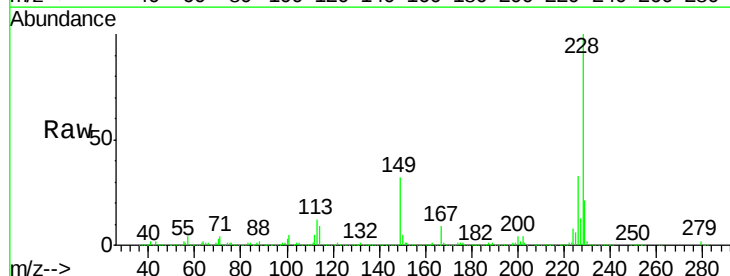


Time-->

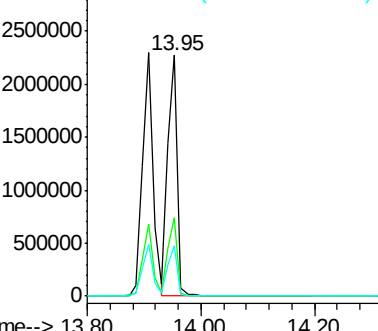


#82
 Chrysene
 Concen: 35.15 ng
 RT: 13.95 min Scan# 1082
 Delta R.T. 0.06 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

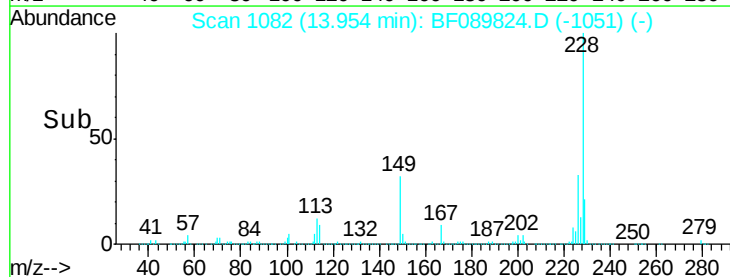
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	25.4	38.0
229	21.0	16.5	24.7

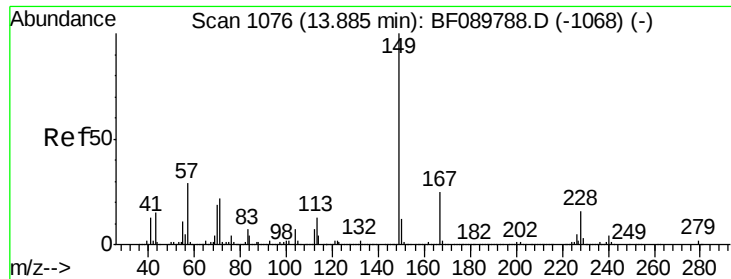


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->





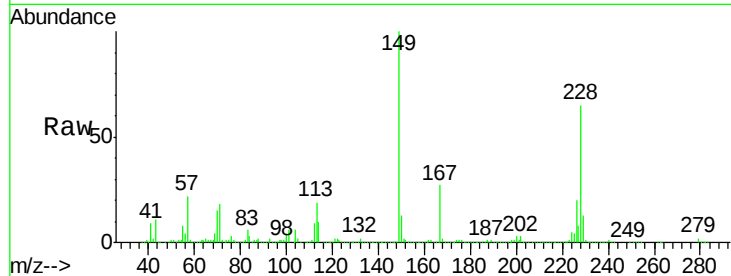
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 29.17 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. 0.06 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

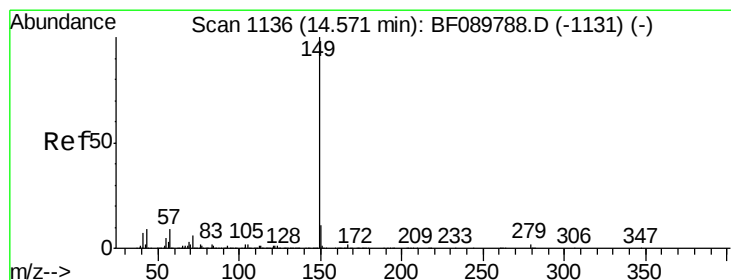
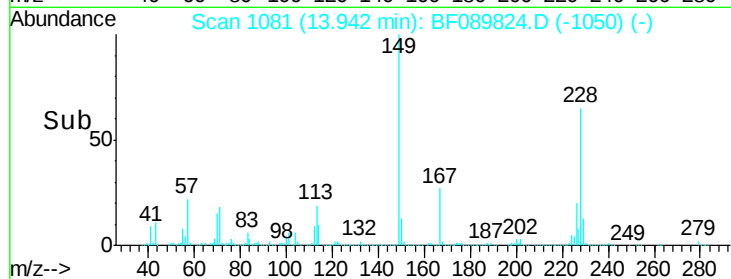
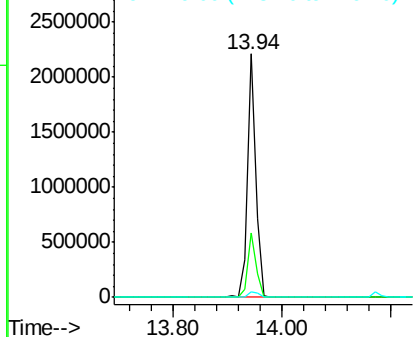
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.2	31.8
279	2.5	2.9	4.3

Manual Integrations
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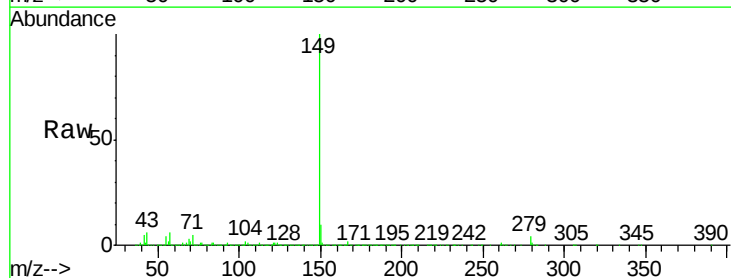


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

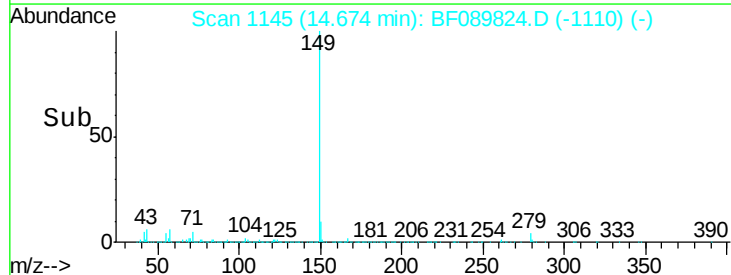
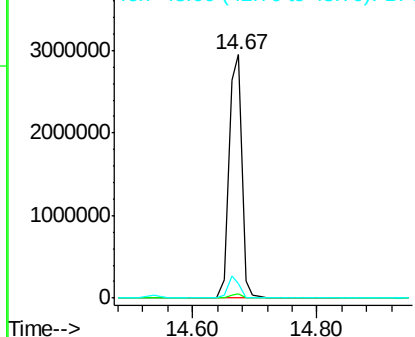


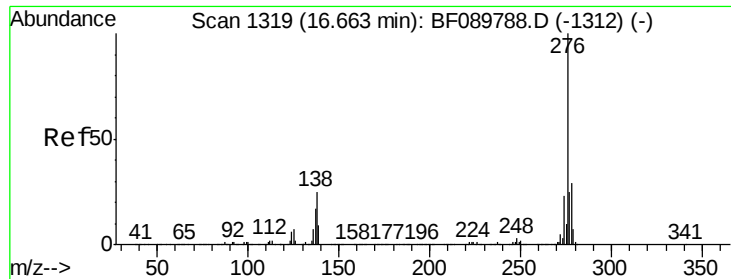
#84
 Di-n-octyl phthalate
 Concen: 40.24 ng
 RT: 14.67 min Scan# 1145
 Delta R.T. 0.10 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.0	8.4	12.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0





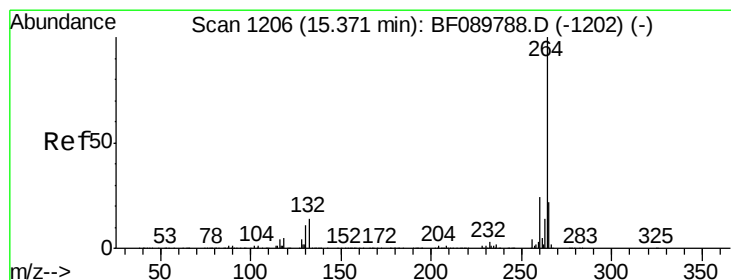
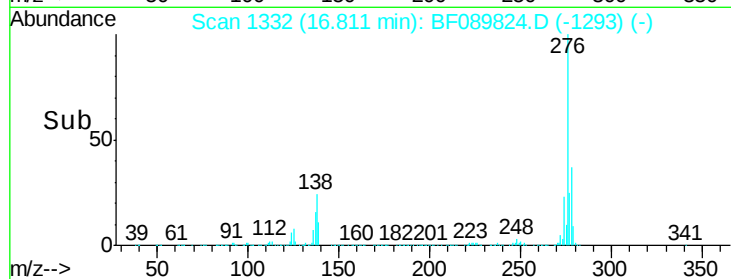
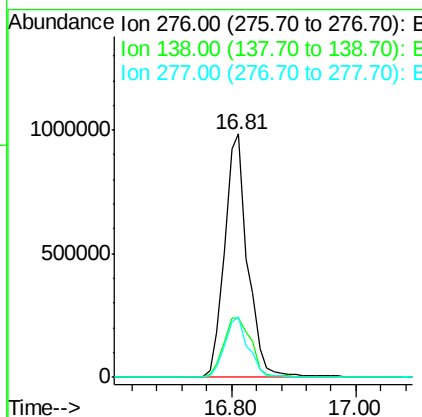
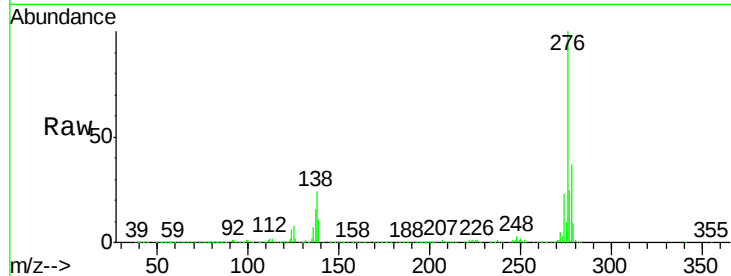
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 26.31 ng
 RT: 16.81 min Scan# 1332
 Delta R.T. 0.15 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Instrument :
 BNA_F
 ClientSampleId :
 D-1(2-2.5)MSD

Tgt Ion: 276 Resp: 2537004
 Ion Ratio Lower Upper
 276 100
 138 29.6 24.6 36.8
 277 25.4 20.4 30.6

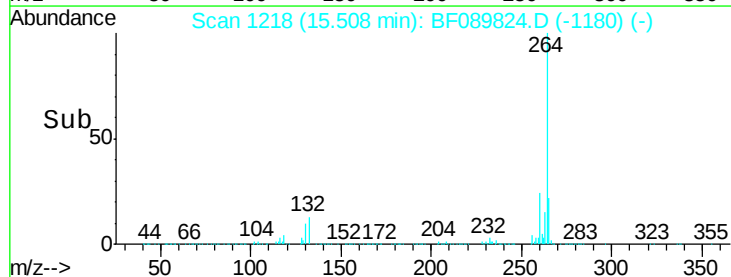
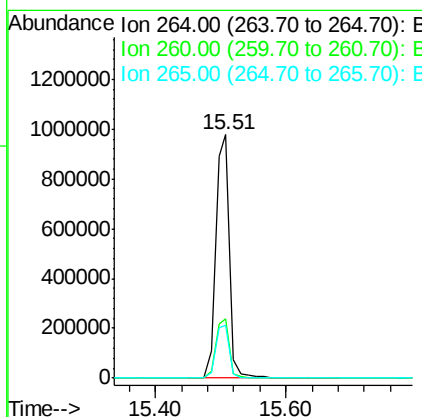
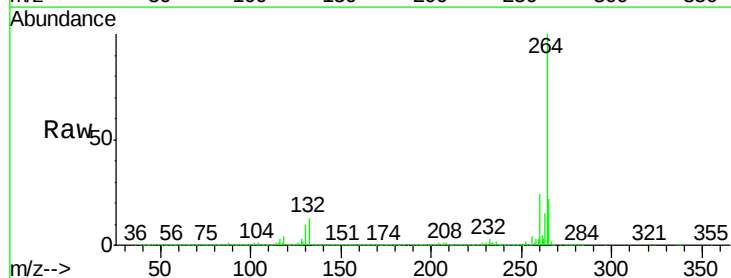
Manual Integrations
 APPROVED

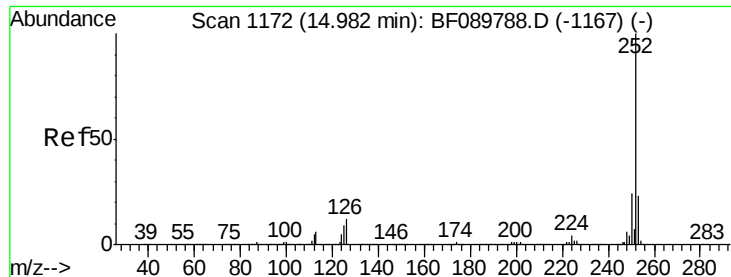
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1218
 Delta R.T. 0.14 min
 Lab File: BF089824.D
 Acq: 23 Aug 2016 10:32

Tgt Ion: 264 Resp: 1451142
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.2 30.2
 265 21.6 17.4 26.2





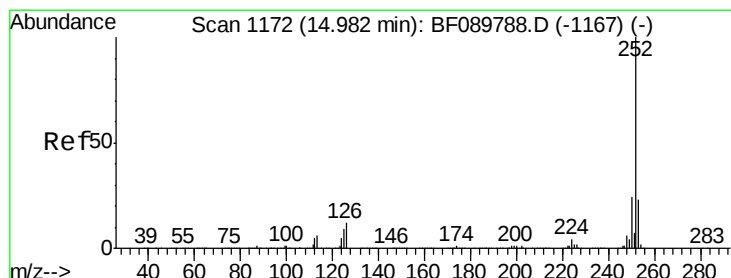
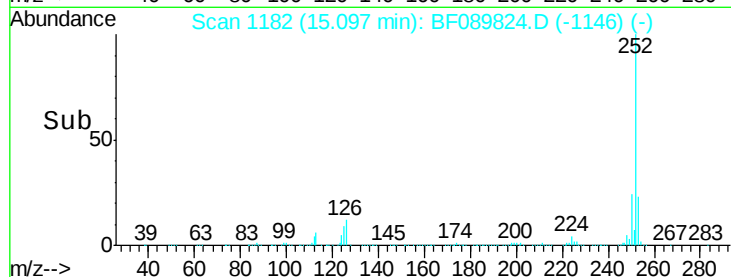
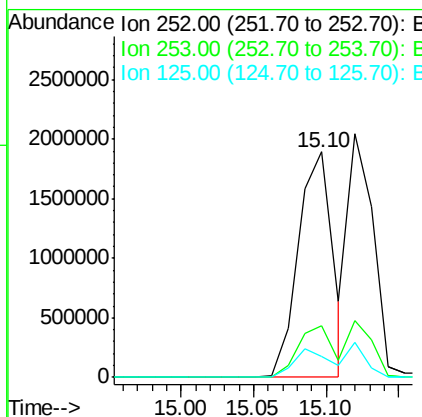
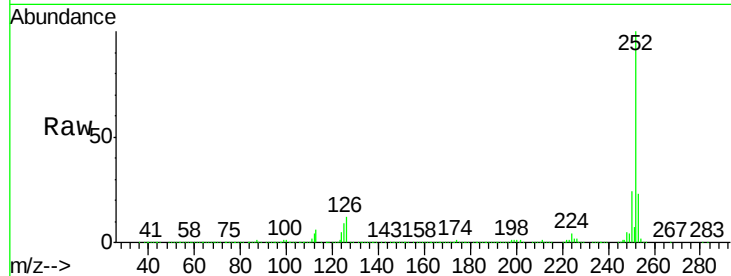
#87
Benzo(b)fluoranthene
Concen: 39.06 ng
RT: 15.10 min Scan# 1182
Delta R.T. 0.11 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	9.2	11.4	17.2

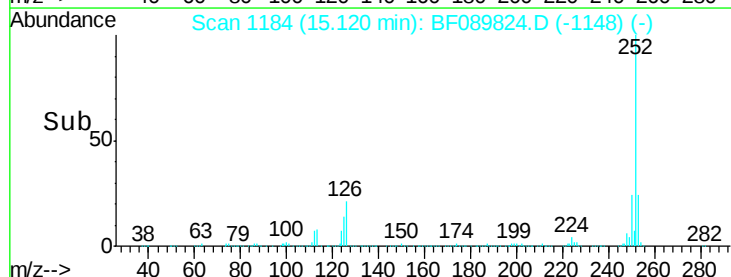
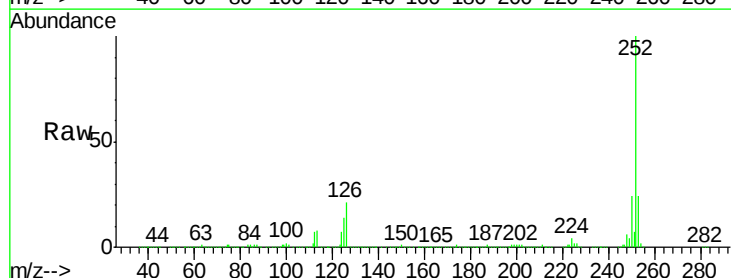
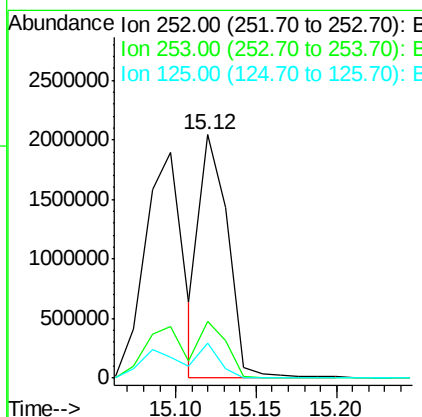
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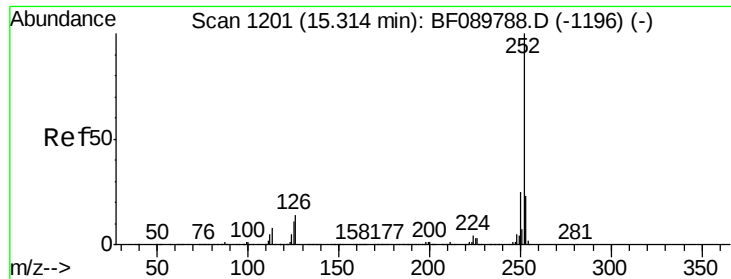
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#88
Benzo(k)fluoranthene
Concen: 34.75 ng m
RT: 15.12 min Scan# 1184
Delta R.T. 0.11 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	14.4	9.8	14.6





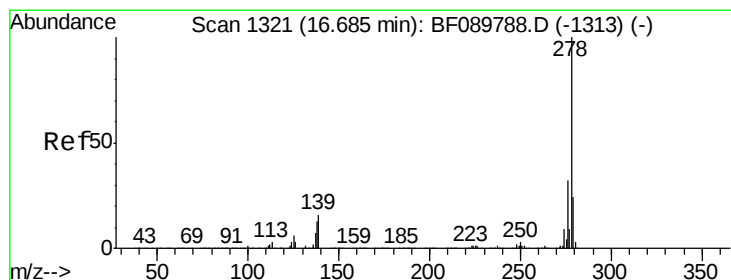
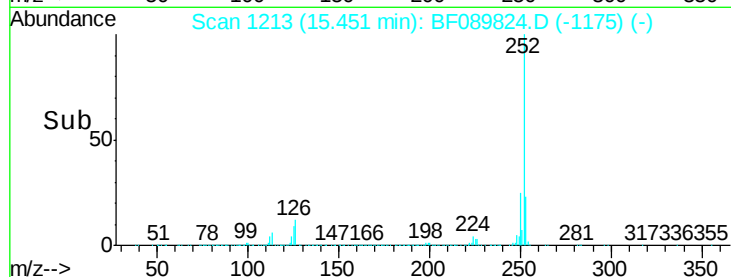
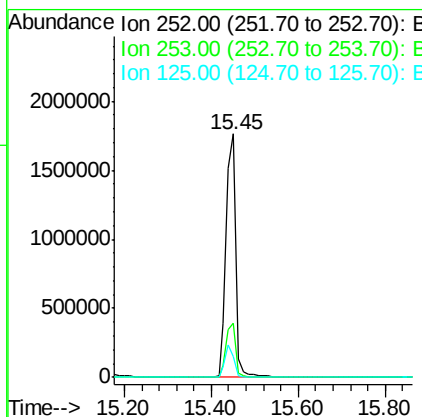
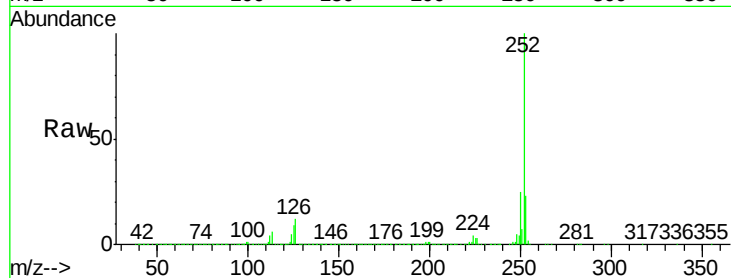
#89
Benzo(a)pyrene
Concen: 35.87 ng
RT: 15.45 min Scan# 1213
Delta R.T. 0.14 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Instrument :
BNA_F
ClientSampleId :
D-1(2-2.5)MSD

Tgt Ion: 252 Resp: 2710645
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 8.8 11.7 17.5#

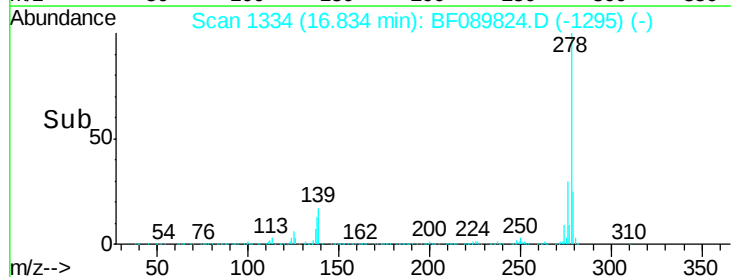
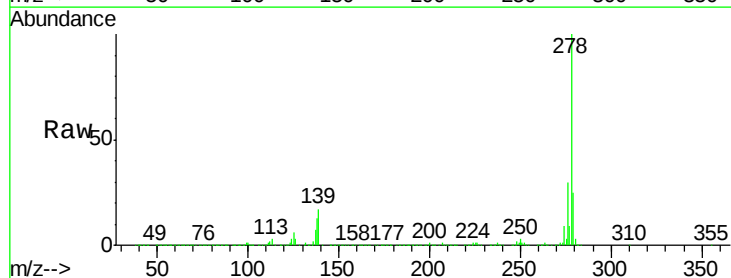
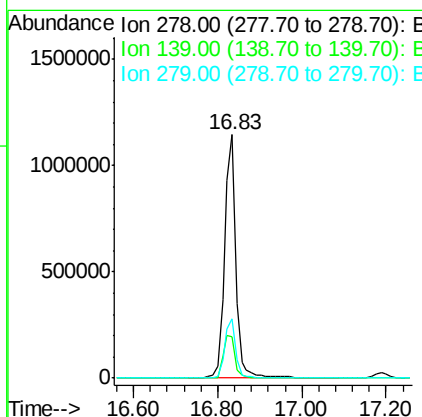
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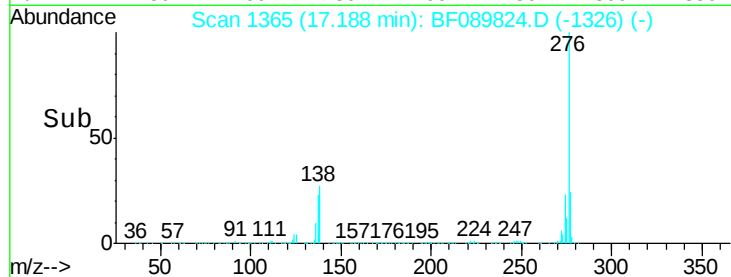
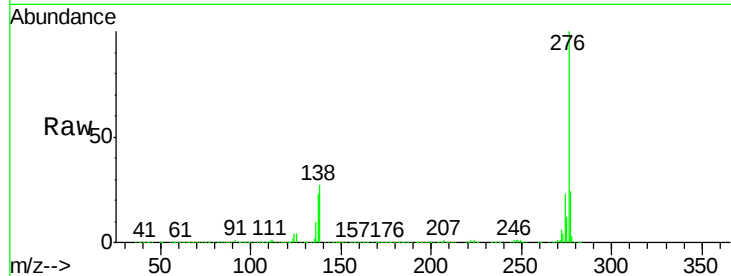
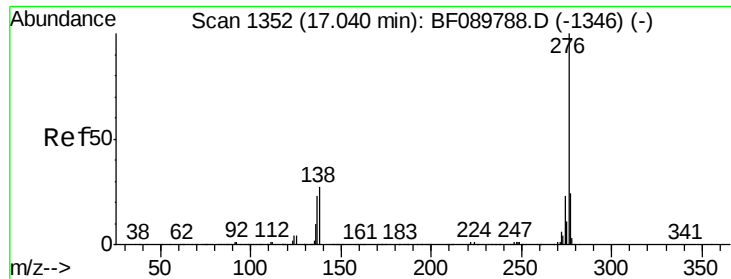
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#90
Dibenzo(a,h)anthracene
Concen: 26.08 ng
RT: 16.83 min Scan# 1334
Delta R.T. 0.15 min
Lab File: BF089824.D
Acq: 23 Aug 2016 10:32

Tgt Ion: 278 Resp: 2139236
Ion Ratio Lower Upper
278 100
139 17.2 14.9 22.3
279 24.5 19.2 28.8





#91

Benzo(g,h,i)perylene

Concen: 23.73 ng

RT: 17.19 min Scan# 1365

Delta R.T. 0.15 min

Lab File: BF089824.D

Acq: 23 Aug 2016 10:32

Instrument :

BNA_F

ClientSampleId :

D-1(2-2.5)MSD

Tgt Ion:276 Resp: 2049744

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 27.1 22.1 33.1

Manual Integrations
APPROVED

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