

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
 Data File : BF089816.D
 Acq On : 20 Aug 2016 00:26
 Operator : UM/SJ
 Sample : H4518-11MSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Manual Integrations
 APPROVED

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 8/22/2016 3:48:36 PM

Quant Time: Aug 22 02:33:08 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	6.68	152	571600	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	2132512	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	913119	20.00	ng	0.01
63) Phenanthrene-d10	11.19	188	1466547	20.00	ng	0.00
75) Chrysene-d12	13.84	240	949982	20.00	ng	-0.03
86) Perylene-d12	15.29	264	1190961	20.00	ng	-0.08

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	3859937	115.80	ng	0.02
7) Phenol-d6	6.33	99	4867256	118.96	ng	0.01
23) Nitrobenzene-d5	7.26	82	2478916	72.22	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	939470	108.26	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	3284534	63.22	ng	0.00
78) Terphenyl-d14	12.78	244	2065446	49.19	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	640334	38.82	ng	97
3) Pyridine	2.88	79	1831632	42.34	ng	95
4) n-Nitrosodimethylamine	2.84	42	709898	44.07	ng	# 76
6) Aniline	6.39	93	1163418	21.20	ng	94
8) 2-Chlorophenol	6.47	128	1610138	40.40	ng	93
9) Benzaldehyde	6.23	77	446497m	16.75	ng	
10) Phenol	6.34	94	1845504	38.48	ng	93
11) bis(2-Chloroethyl)ether	6.43	93	1827708	49.15	ng	94
12) 1,3-Dichlorobenzene	6.63	146	1869352m	44.86	ng	
13) 1,4-Dichlorobenzene	6.71	146	1878448	43.85	ng	93
14) 1,2-Dichlorobenzene	6.86	146	1704812	42.64	ng	96
15) Benzyl Alcohol	6.83	79	1173606	43.25	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.98	45	2051592	43.11	ng	90
17) 2-Methylphenol	6.96	107	1463354	46.87	ng	94
18) Hexachloroethane	7.20	117	612197	40.07	ng	# 89
19) n-Nitroso-di-n-propylamine	7.12	70	1238025	47.31	ng	# 86
20) 3+4-Methylphenols	7.11	107	1864571	48.71	ng	# 73
22) Acetophenone	7.11	105	2064843	42.17	ng	# 90
24) Nitrobenzene	7.28	77	1685642	43.77	ng	# 75
25) Isophorone	7.52	82	3142563	45.39	ng	# 92
26) 2-Nitrophenol	7.59	139	795925	41.42	ng	# 80
27) 2,4-Dimethylphenol	7.64	122	1483591	42.84	ng	95
28) bis(2-Chloroethoxy)methane	7.74	93	2154733	50.30	ng	97
29) 2,4-Dichlorophenol	7.84	162	1327952	45.70	ng	95
30) 1,2,4-Trichlorobenzene	7.92	180	1482450	46.12	ng	96
31) Naphthalene	8.00	128	4501995	45.17	ng	100
32) Benzoic acid	7.70	122	86051	3.19	ng	98
33) 4-Chloroaniline	8.04	127	605618	14.02	ng	# 92
34) Hexachlorobutadiene	8.12	225	730156	43.38	ng	97
35) Caprolactam	8.41	113	380211	42.97	ng	98
36) 4-Chloro-3-methylphenol	8.54	107	1314159	41.76	ng	95
37) 2-Methylnaphthalene	8.68	142	2971793	46.09	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	1060544	35.87	ng	# 97
40) Hexachlorocyclopentadiene	8.84	237	491846	47.91	ng	97

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Quant Time: Aug 22 02:33:08 2016
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 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)
42) 2,4,6-Trichlorophenol	8.96	196	834392	44.85	nq	97
43) 2,4,5-Trichlorophenol	9.00	196	914650	49.44	nq	99
45) 1,1'-Biphenyl	9.15	154	3100185	43.87	nq	95
46) 2-Chloronaphthalene	9.16	162	2515028	45.02	nq	99
47) 2-Nitroaniline	9.27	65	908390	57.02	nq	# 80
48) Acenaphthylene	9.58	152	3897021	46.43	nq	98
49) Dimethylphthalate	9.46	163	4425688	68.84	nq	# 98
50) 2,6-Dinitrotoluene	9.51	165	636463	42.88	nq	# 87
51) Acenaphthene	9.75	154	2467117	44.41	nq	99
52) 3-Nitroaniline	9.67	138	453079	27.55	nq	98
53) 2,4-Dinitrophenol	9.77	184	36156	8.56	nq	85
54) Dibenzofuran	9.92	168	3548690	50.86	nq	98
55) 4-Nitrophenol	9.84	139	956996	71.29	nq	90
56) 2,4-Dinitrotoluene	9.91	165	792737	41.16	nq	# 68
57) Fluorene	10.26	166	2420466	43.53	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.04	232	687436	51.05	nq	# 97
59) Diethylphthalate	10.16	149	3186346	48.79	nq	96
60) 4-Chlorophenyl-phenylether	10.26	204	1075397	42.40	nq	94
61) 4-Nitroaniline	10.28	138	699328	45.36	nq	98
62) Azobenzene	10.42	77	3037766	49.47	nq	96
64) 4,6-Dinitro-2-methylphenol	10.31	198	74538	8.84	nq	88
65) n-Nitrosodiphenylamine	10.39	169	2565385	55.63	nq	99
66) 4-Bromophenyl-phenylether	10.75	248	799103	51.97	nq	# 89
67) Hexachlorobenzene	10.81	284	824274	46.99	nq	# 88
68) Atrazine	10.91	200	641069	45.39	nq	97
69) Pentachlorophenol	11.01	266	805711	81.04	nq	99
70) Phenanthrene	11.22	178	3779523	51.03	nq	97
71) Anthracene	11.27	178	3315538	44.03	nq	98
72) Carbazole	11.43	167	3345734	49.54	nq	97
73) Di-n-butylphthalate	11.78	149	4306414	50.97	nq	# 98
74) Fluoranthene	12.40	202	2832160	40.20	nq	93
76) Benzidine	12.53	184	1392185	45.28	nq	98
77) Pyrene	12.63	202	3234336	41.81	nq	97
79) Butylbenzylphthalate	13.27	149	1500708	42.95	nq	92
80) Benzo(a)anthracene	13.83	228	2579403	47.41	nq	99
81) 3,3'-Dichlorobenzidine	13.81	252	799872	44.85	nq	# 95
82) Chrysene	13.87	228	2491878	53.43	nq	100
83) Bis(2-ethylhexyl)phthalate	13.86	149	2061260	42.83	nq	97
84) Di-n-octyl phthalate	14.51	149	3468353	54.23	nq	# 95
85) Indeno(1,2,3-cd)pyrene	16.58	276	3201391	53.80	nq	99
87) Benzo(b)fluoranthene	14.91	252	3148488m	48.06	nq	
88) Benzo(k)fluoranthene	14.94	252	2289791m	38.52	nq	
89) Benzo(a)pyrene	15.23	252	2745349	44.27	nq	98
90) Dibenzo(a,h)anthracene	16.61	278	2693772	40.02	nq	97
91) Benzo(g,h,i)perylene	16.96	276	2571804	36.28	nq	99

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

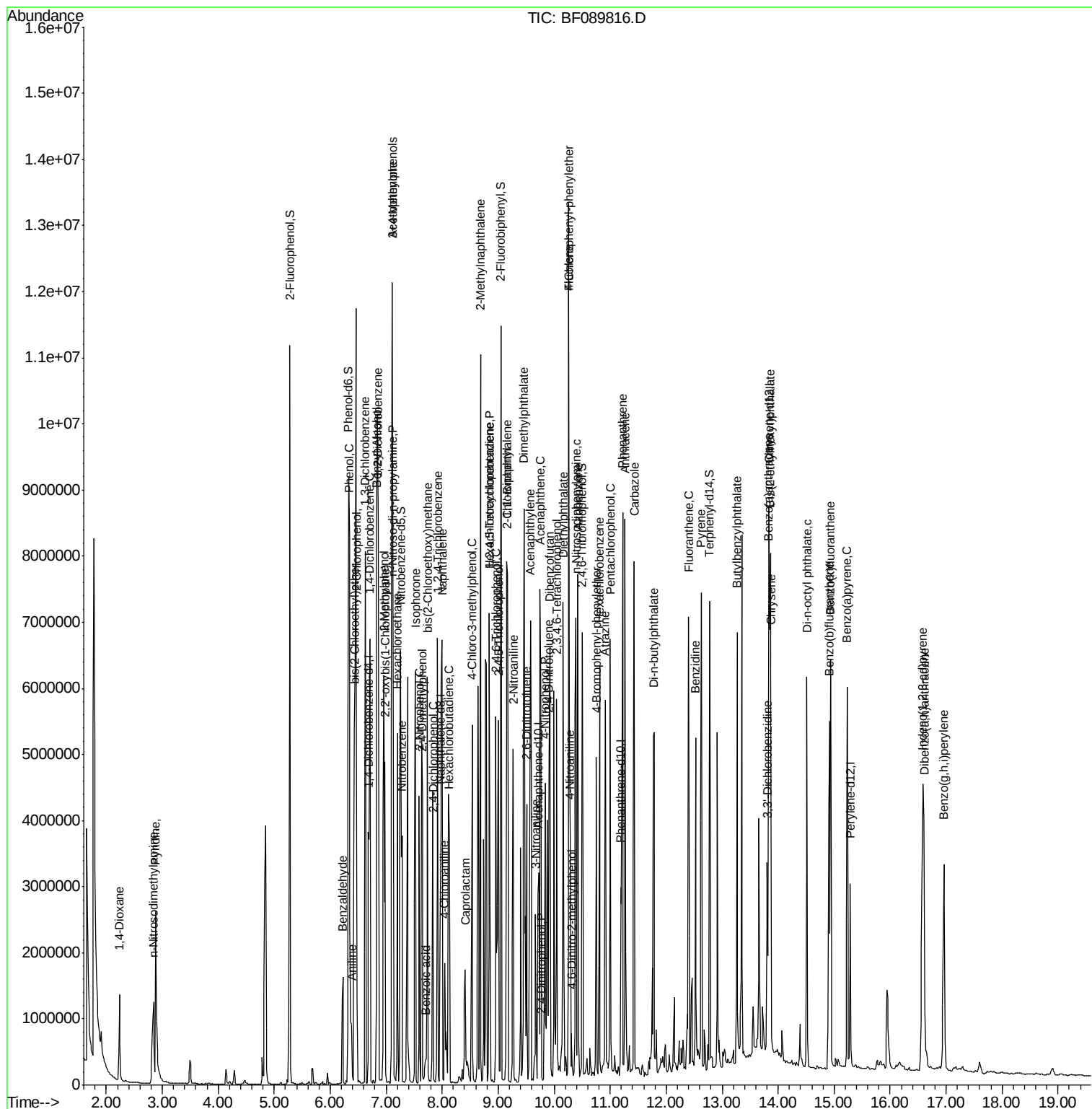
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ALS Vial  : 32      Sample Multiplier: 1
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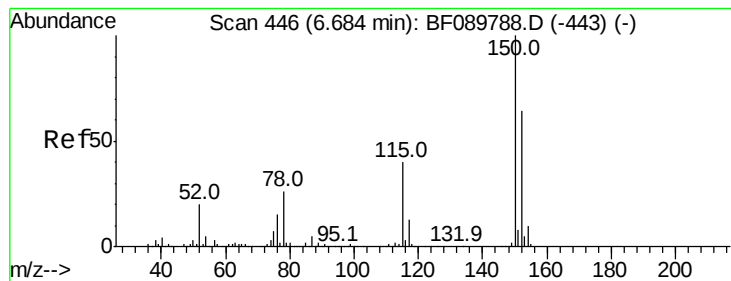
Instrument :
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ClientSampleId :
A-2(8-15)MSD

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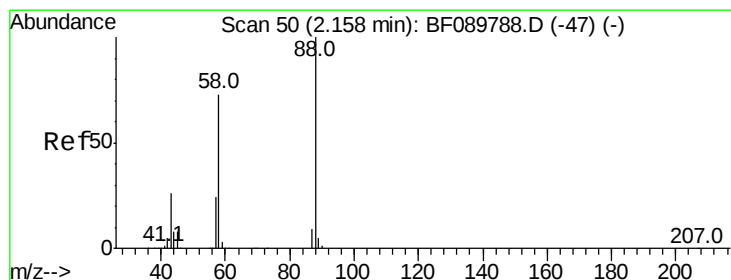
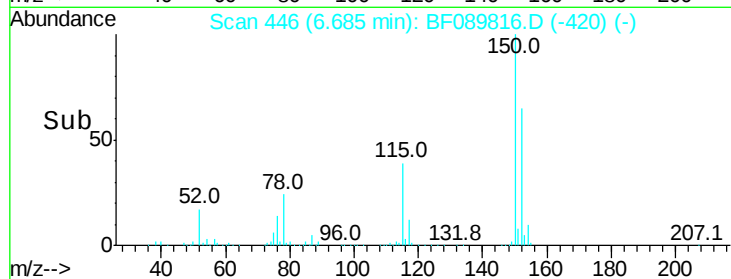
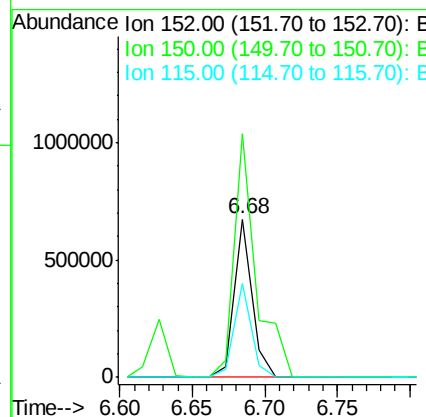
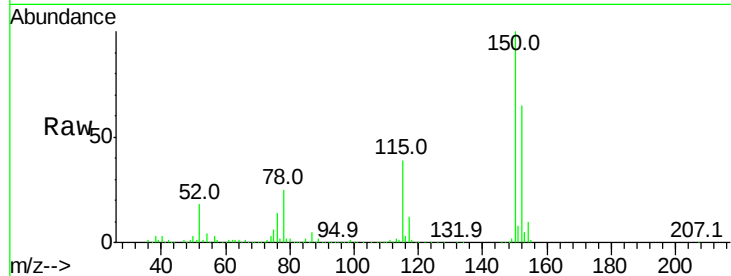
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampled :
 A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.3	187.9
115	59.6	40.9	61.3

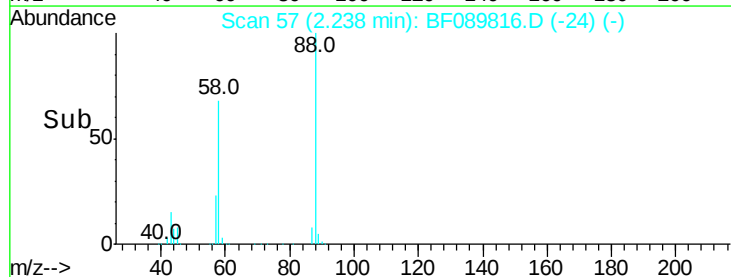
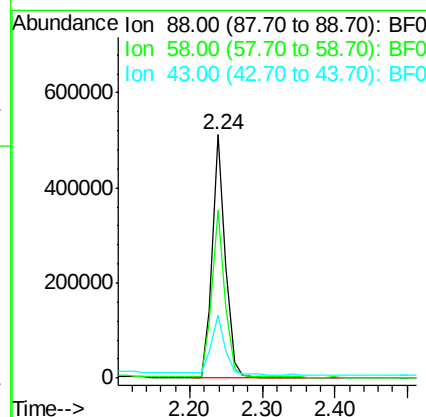
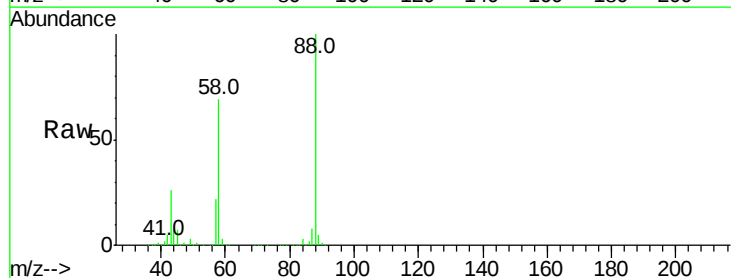
Manual Integrations
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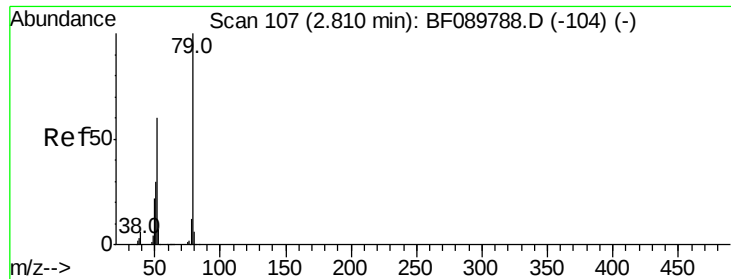
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#2
 1,4-Dioxane
 Concen: 38.82 ng
 RT: 2.24 min Scan# 57
 Delta R.T. 0.08 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.8	57.0	85.4
43	26.3	21.8	32.8





#3

Pvridine

Concen: 42.34 ng

RT: 2.88 min Scan# 113

Delta R.T. 0.07 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion: 79 Resp: 1831632

Ion Ratio Lower Upper

79 100

52 62.8 53.6 80.4

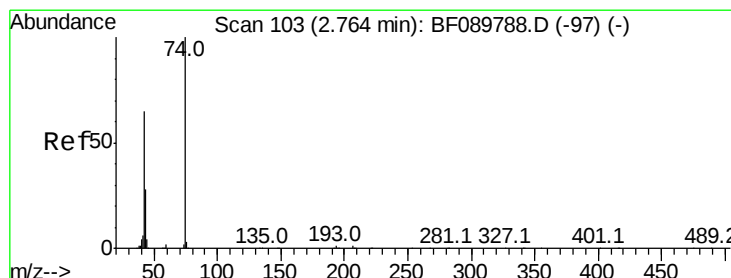
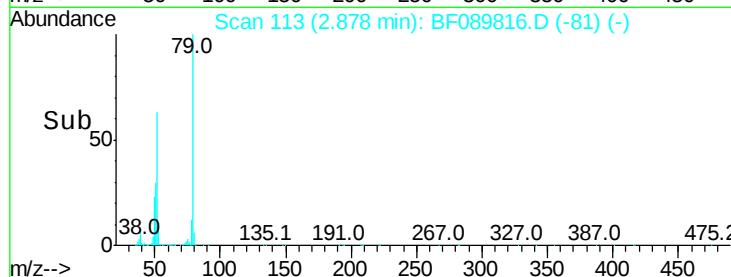
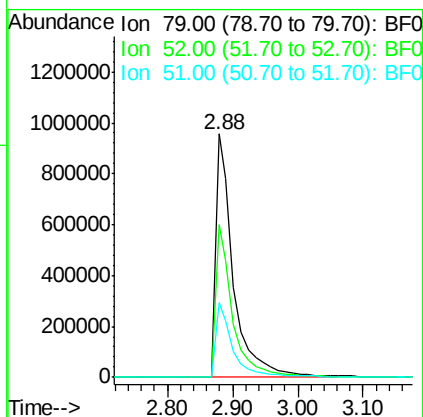
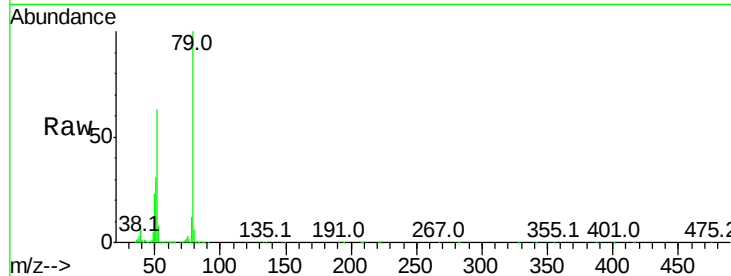
51 30.6 26.6 39.8

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 44.07 ng

RT: 2.84 min Scan# 110

Delta R.T. 0.08 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

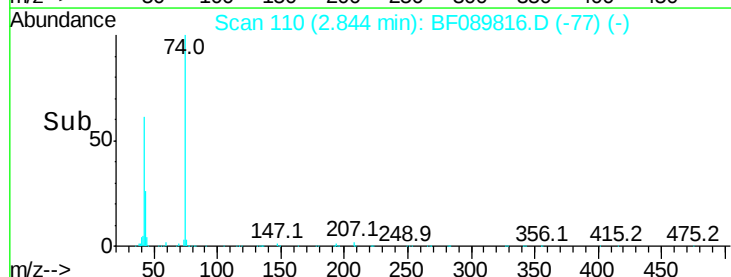
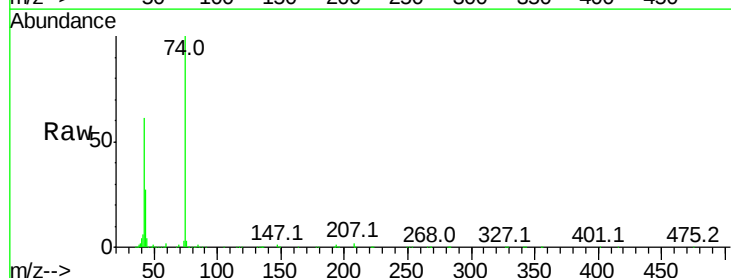
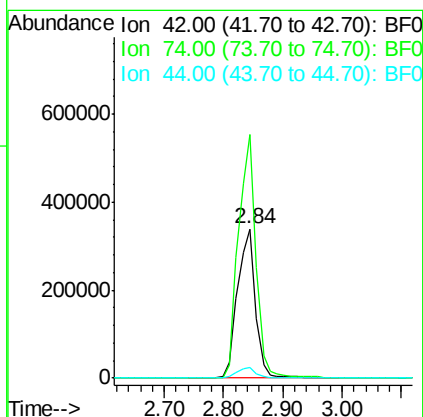
Tgt Ion: 42 Resp: 709898

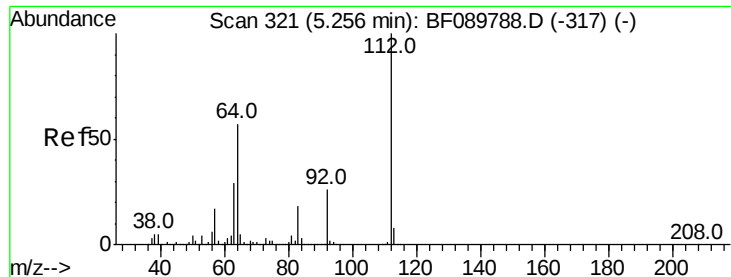
Ion Ratio Lower Upper

42 100

74 163.0 106.2 159.2#

44 7.1 6.9 10.3





#5

2-Fluorophenol

Concen: 115.80 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.02 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion:112 Resp: 3859937

Ion Ratio Lower Upper

112 100

64 54.3 45.0 67.4

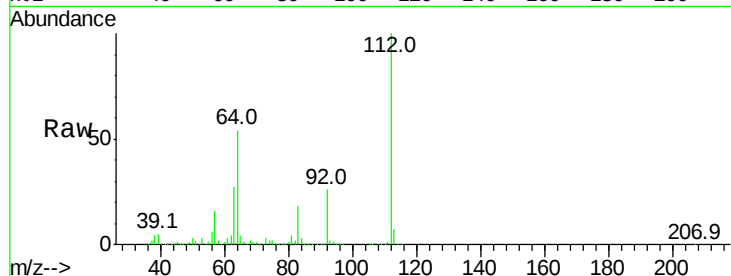
63 27.4 23.1 34.7

Manual Integrations

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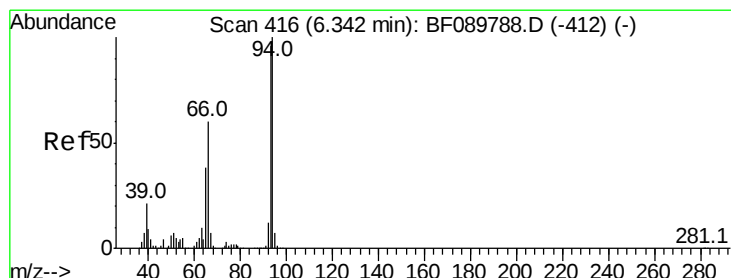
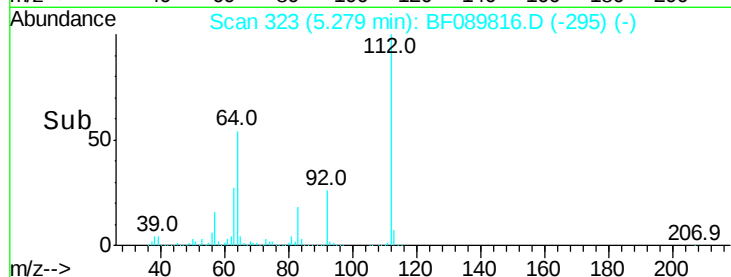
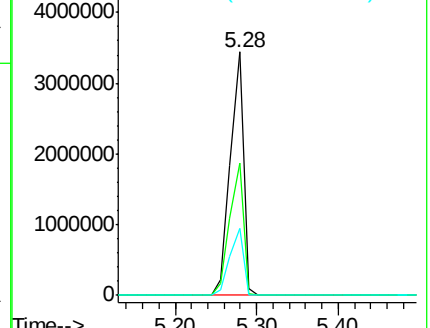
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 21.20 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.05 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

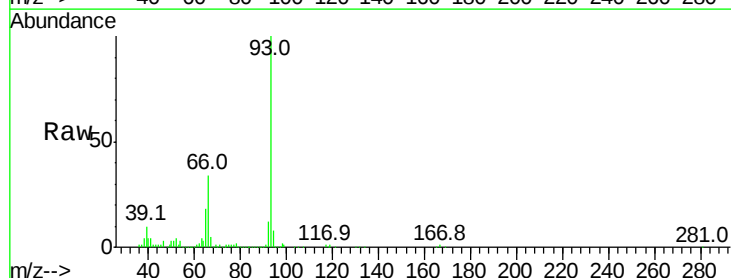
Tgt Ion: 93 Resp: 1163418

Ion Ratio Lower Upper

93 100

66 33.9 30.6 46.0

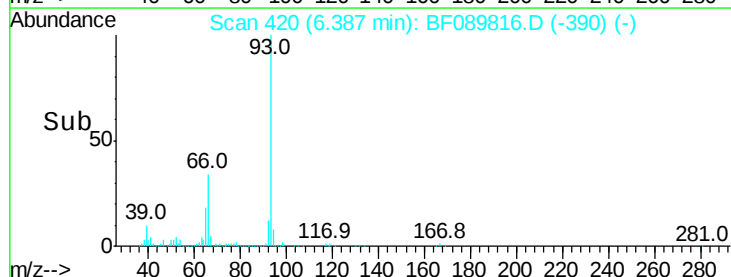
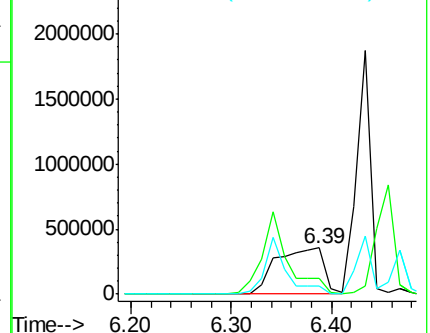
65 17.9 15.4 23.2

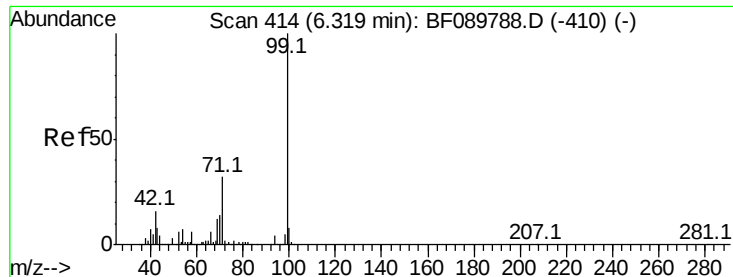


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 118.96 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion: 99 Resp: 4867256

Ion Ratio Lower Upper

99 100

42 14.6 12.2 18.4

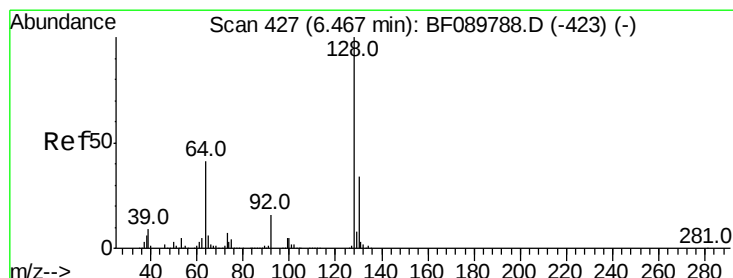
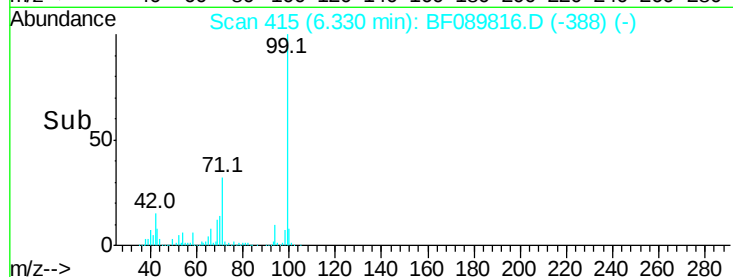
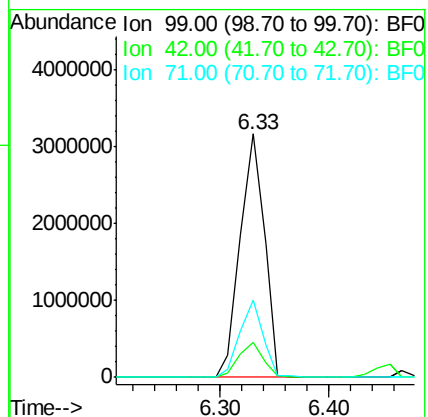
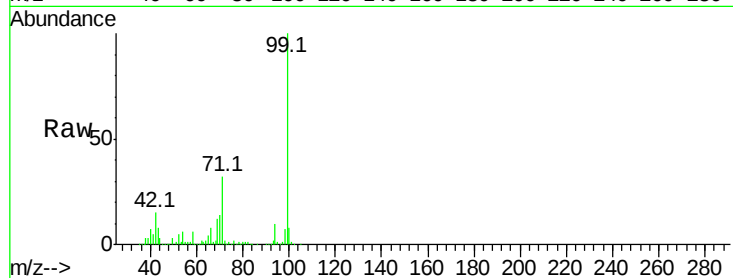
71 31.6 23.8 35.8

Manual Integrations

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#8

2-Chlorophenol

Concen: 40.40 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

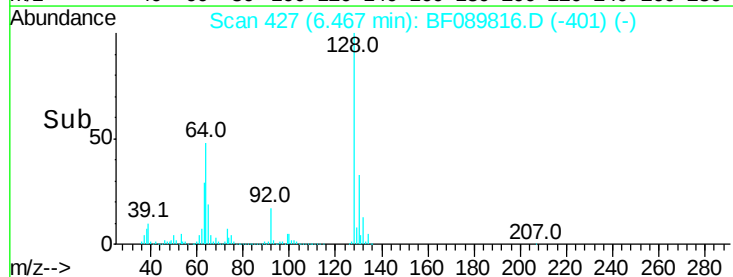
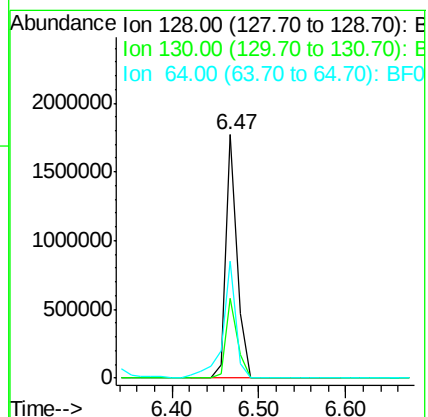
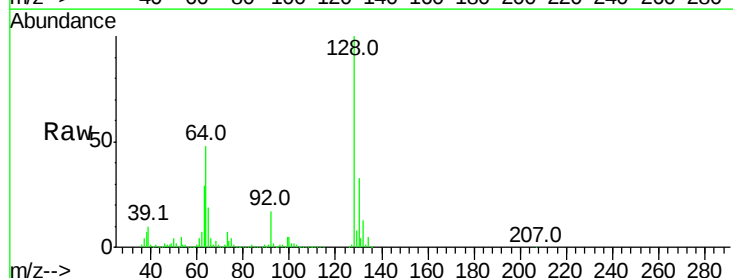
Tgt Ion:128 Resp: 1610138

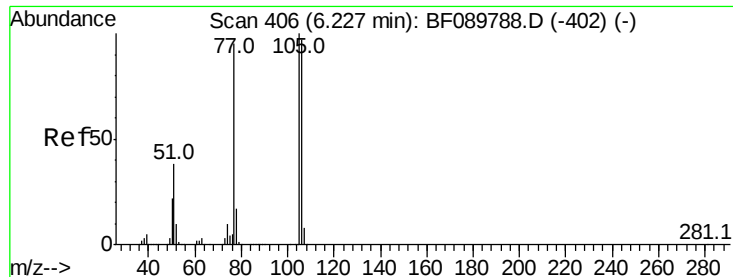
Ion Ratio Lower Upper

128 100

130 32.9 12.0 52.0

64 48.2 35.1 75.1





#9

Benzaldehyde

Concen: 16.75 ng/mL

RT: 6.23 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleID :

A-2(8-15)MSD

Tot Ion: 77 Resp: 446497

Ion Ratio Lower Upper

77 100

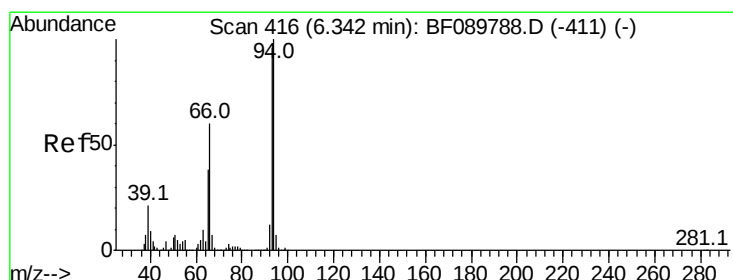
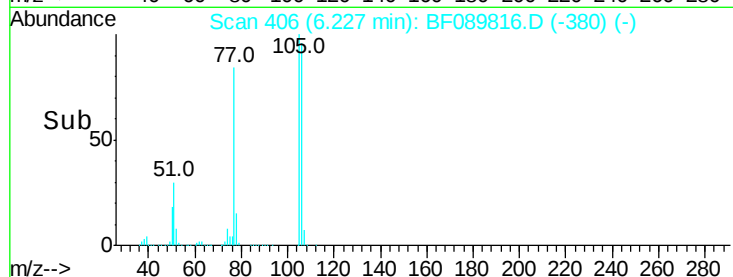
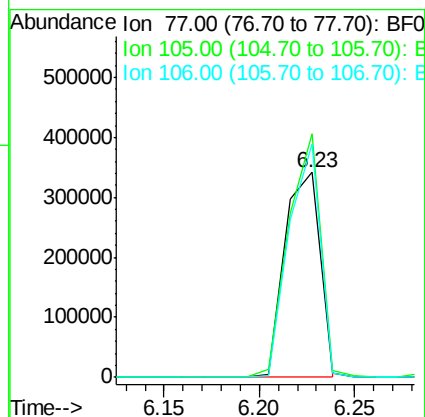
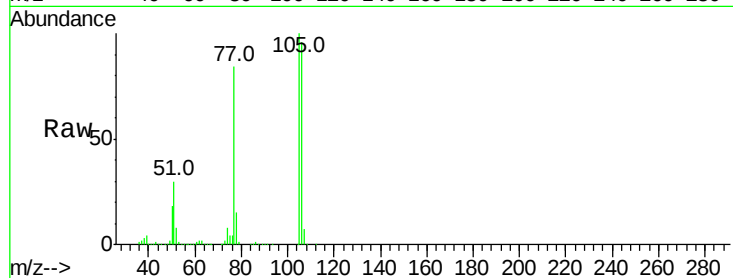
105 118.7 73.3 113.3#

106 113.9 68.6 108.6#

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#10

Phenol

Concen: 38.48 ng/mL

RT: 6.34 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

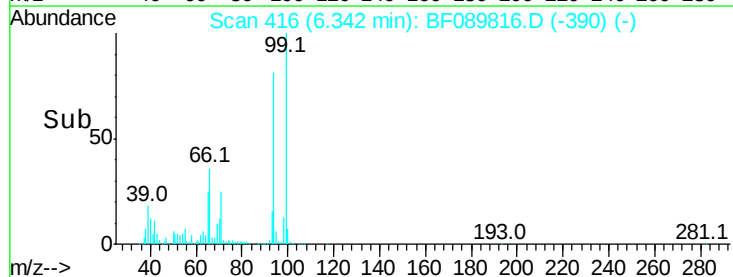
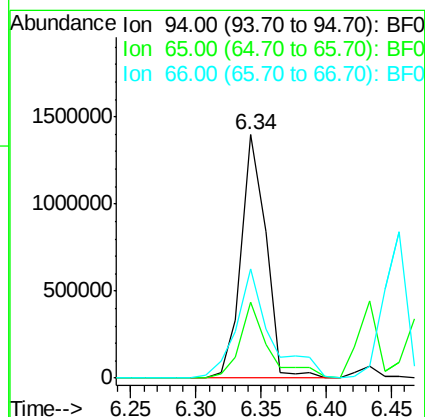
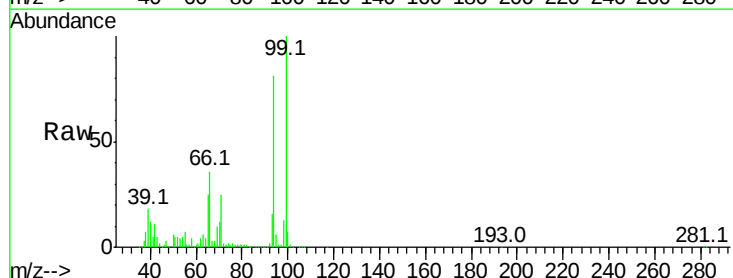
Tgt Ion: 94 Resp: 1845504

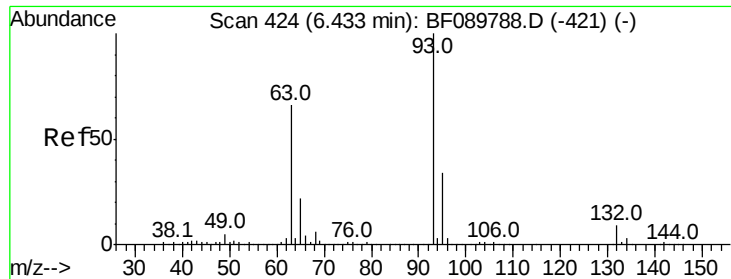
Ion Ratio Lower Upper

94 100

65 31.2 14.0 54.0

66 45.1 31.2 71.2





#11
 bis(2-Chloroethyl)ether
 Concen: 49.15 ng
 RT: 6.43 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

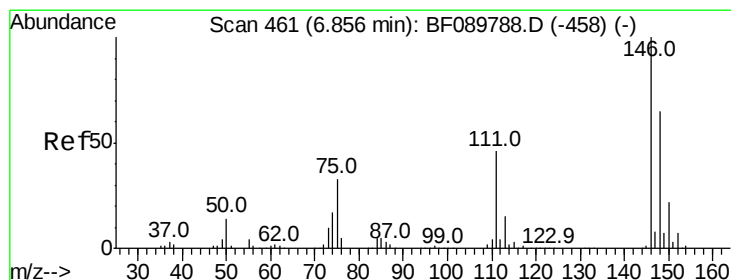
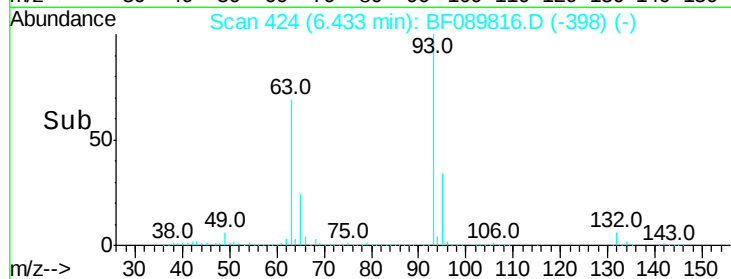
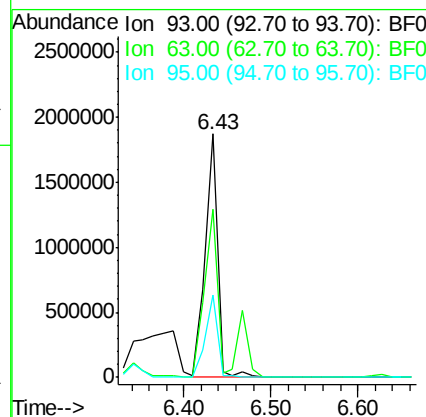
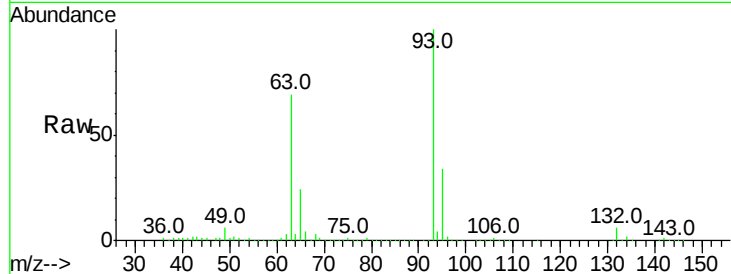
Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion: 93 Resp: 1827708

Ion	Ratio	Lower	Upper
93	100		
63	69.1	55.8	95.8
95	33.8	13.0	53.0

Manual Integrations
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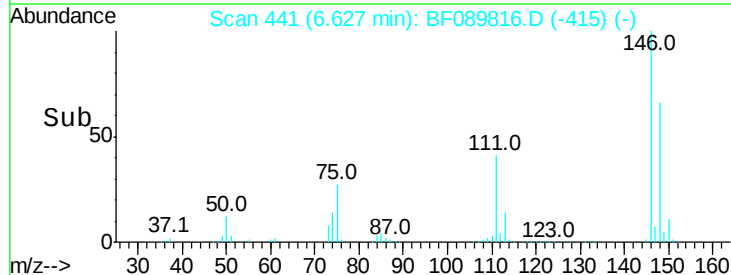
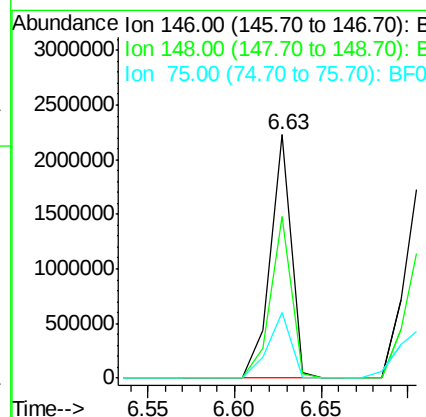
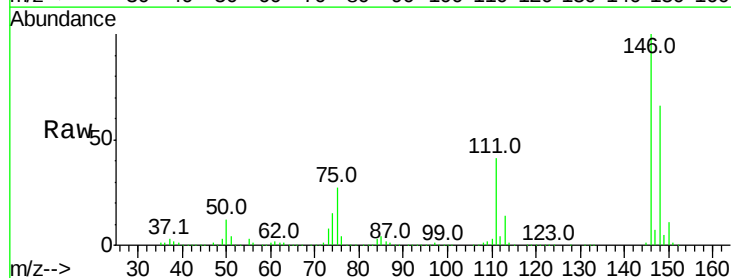
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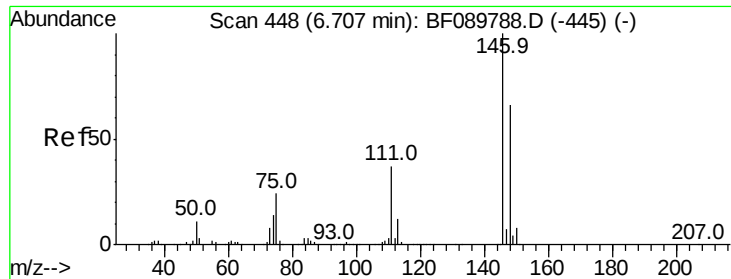


#12
 1,3-Dichlorobenzene
 Concen: 44.86 ng m
 RT: 6.63 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion: 146 Resp: 1869352

Ion	Ratio	Lower	Upper
146	100		
148	66.5	51.0	76.4
75	26.9	27.0	40.6#





#13
 1,4-Dichlorobenzene
 Concen: 43.85 ng
 RT: 6.71 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

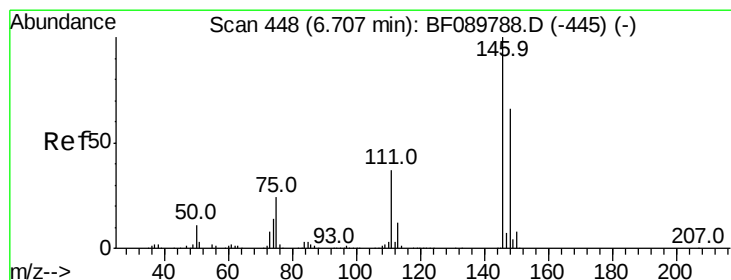
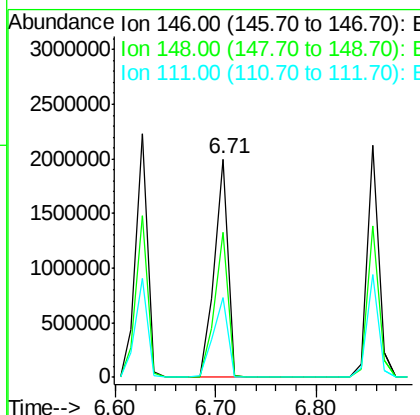
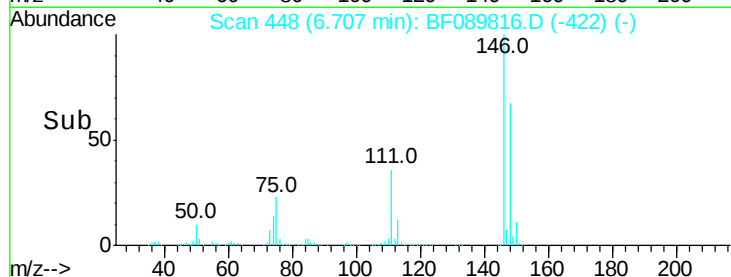
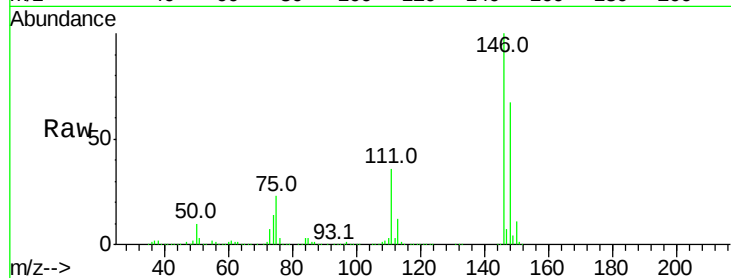
Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion:146 Resp: 1878448

Ion	Ratio	Lower	Upper
146	100		
148	66.7	51.0	76.6
111	36.3	34.6	52.0

Manual Integrations
 APPROVED

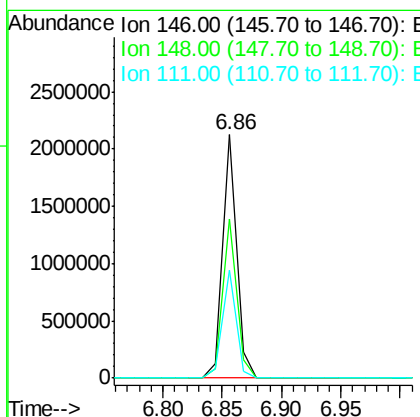
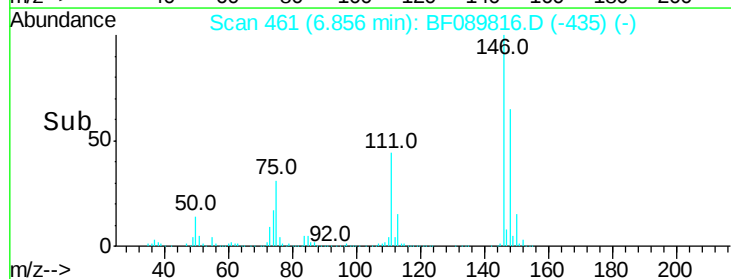
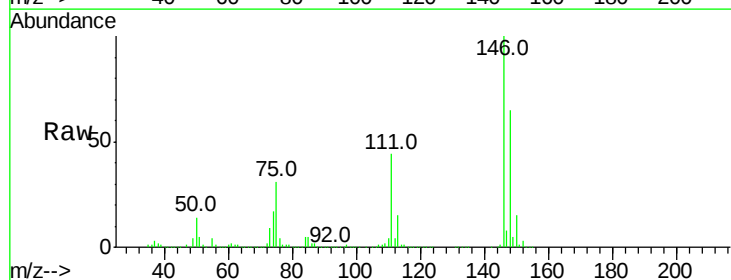
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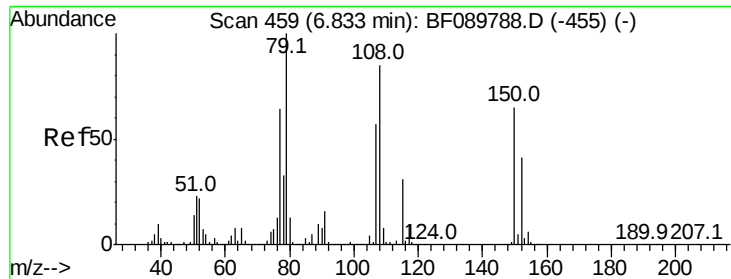


#14
 1,2-Dichlorobenzene
 Concen: 42.64 ng
 RT: 6.86 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion:146 Resp: 1704812

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.2	78.2
111	44.1	29.8	44.6





#15

Benzyl Alcohol

Concen: 43.25 ng

RT: 6.83 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion: 79 Resp: 1173606

Ion Ratio Lower Upper

79 100

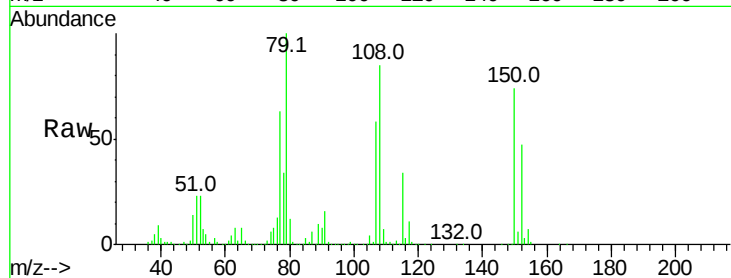
108 84.9 62.5 93.7

77 63.4 51.5 77.3

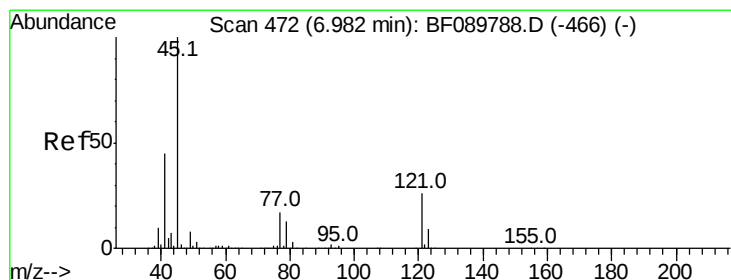
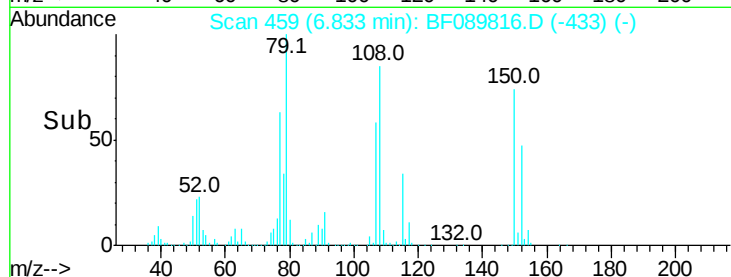
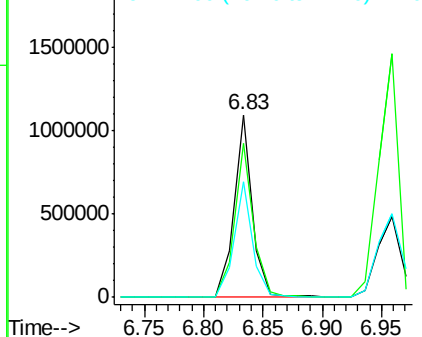
Manual Integrations
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Abundance Ion 79.00 (78.70 to 79.70): BF0
2000000
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.11 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

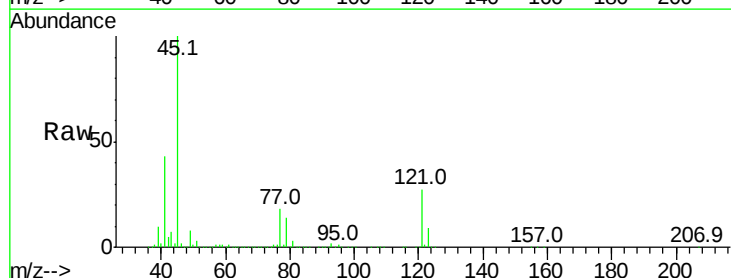
Tgt Ion: 45 Resp: 2051592

Ion Ratio Lower Upper

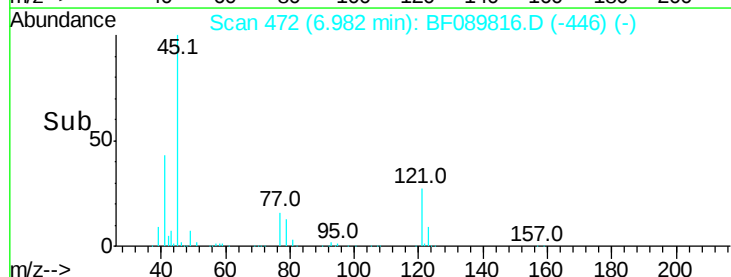
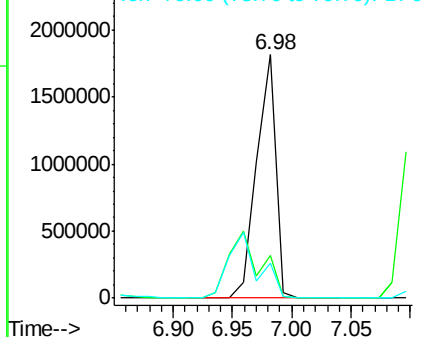
45 100

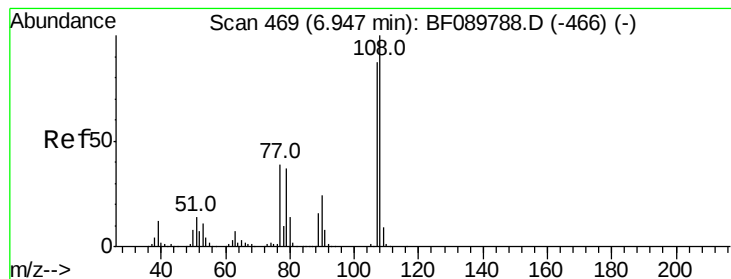
77 17.5 0.0 33.5

79 14.1 0.0 30.7



Abundance Ion 45.00 (44.70 to 45.70): BF0
2500000
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





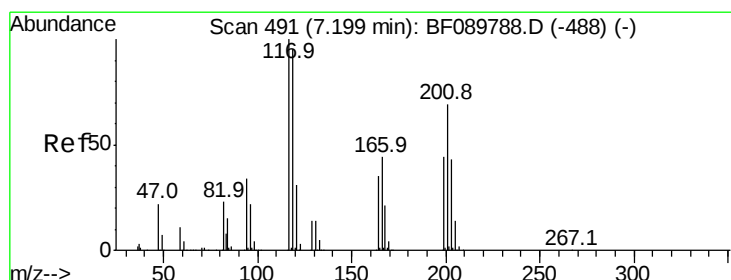
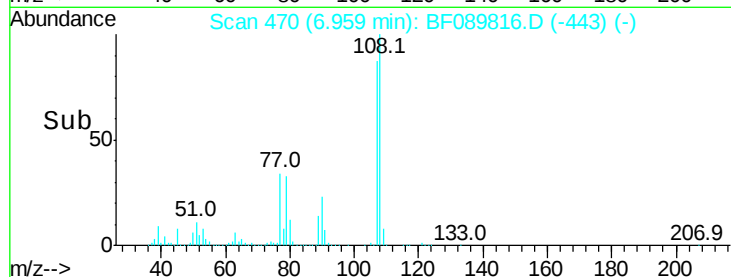
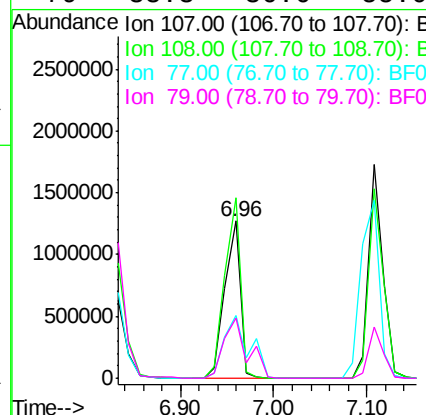
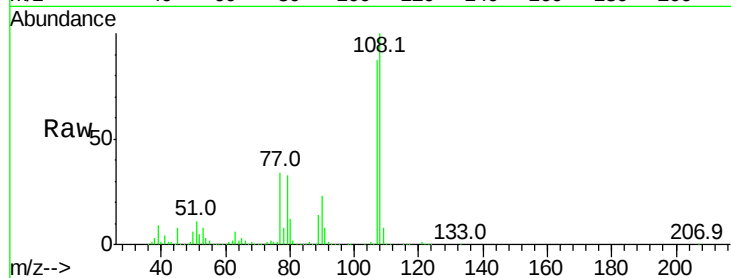
#17
2-Methylphenol
Concen: 46.87 ng
RT: 6.96 min Scan# 470
Delta R.T. 0.01 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampled :
A-2(8-15)MSD

Tot Ion	107	Resp	1463354
Ion	Ratio	Lower	Upper
107	100		
108	115.0	91.0	136.4
77	39.6	37.4	56.0
79	38.3	36.6	55.0

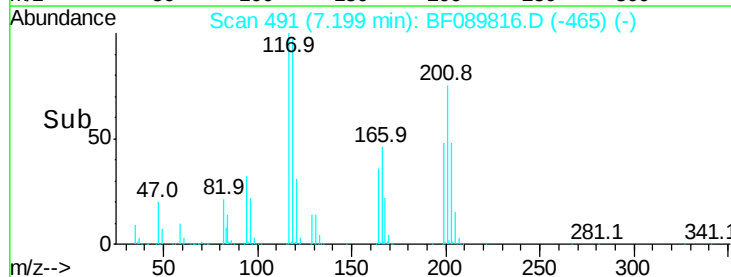
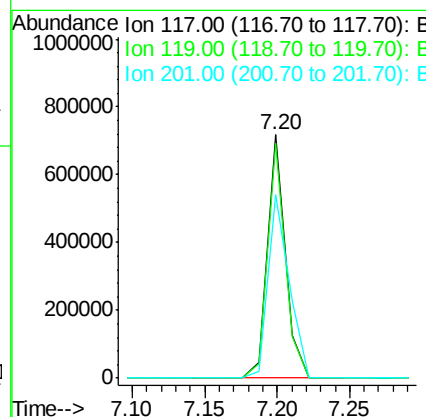
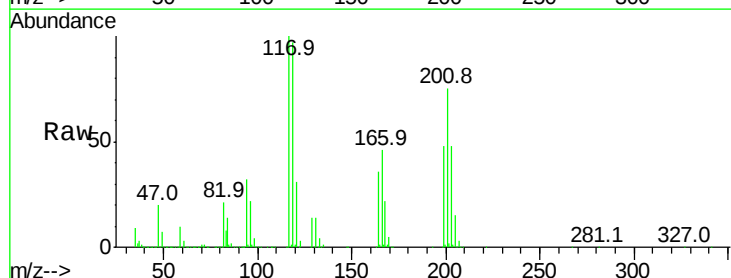
Manual Integrations
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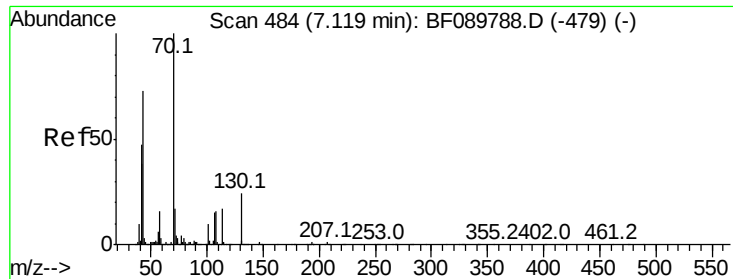
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#18
Hexachloroethane
Concen: 40.07 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	117	Resp	612197
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.1	115.7
201	75.3	76.9	115.3#





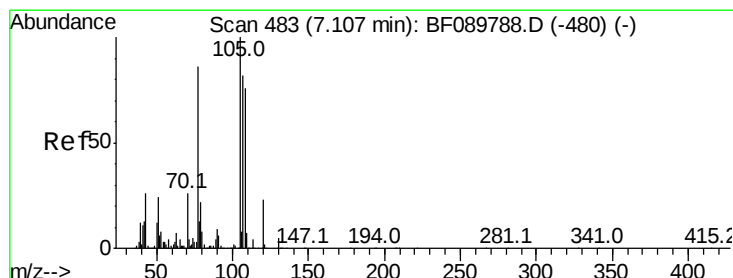
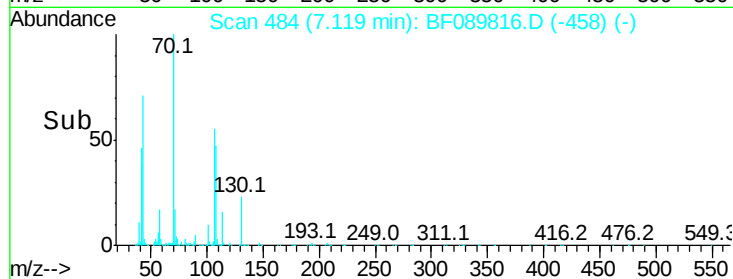
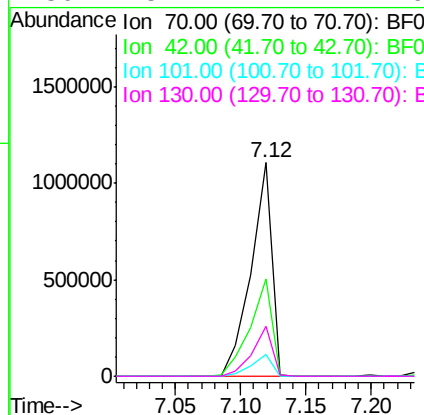
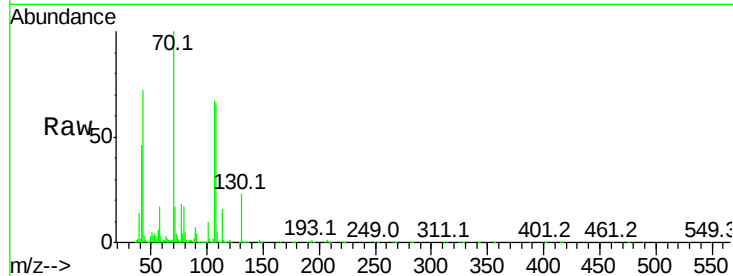
#19
n-Nitroso-di-n-propylamine
Concen: 47.31 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion: 70 Resp: 1238025
Ion Ratio Lower Upper
70 100
42 45.7 46.3 69.5#
101 9.9 7.0 10.6
130 23.2 14.4 21.6#

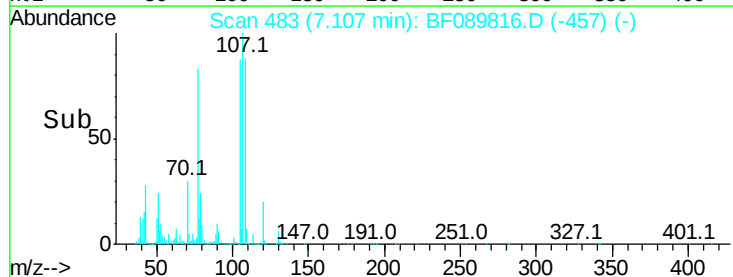
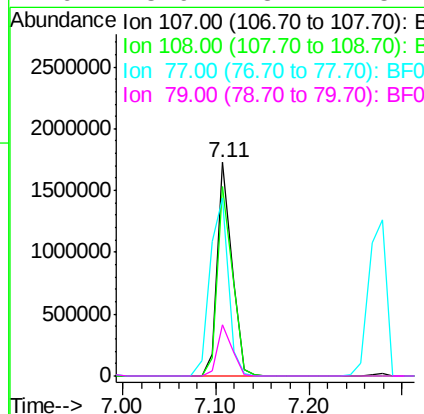
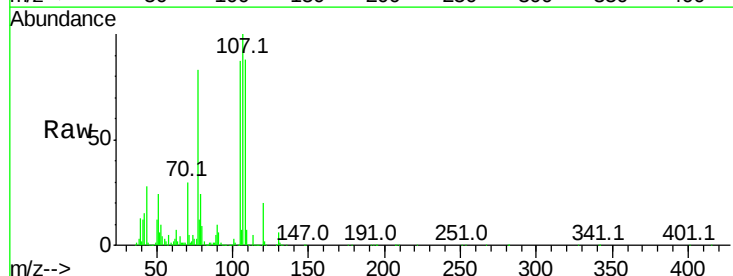
Manual Integrations
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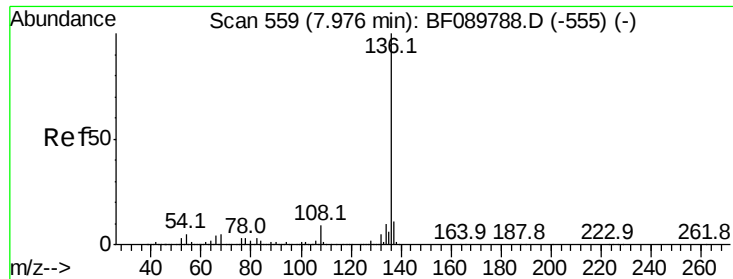
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#20
3+4-Methylphenols
Concen: 48.71 ng
RT: 7.11 min Scan# 483
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion: 107 Resp: 1864571
Ion Ratio Lower Upper
107 100
108 88.4 68.2 108.2
77 83.4 122.3 162.3#
79 23.9 8.2 48.2





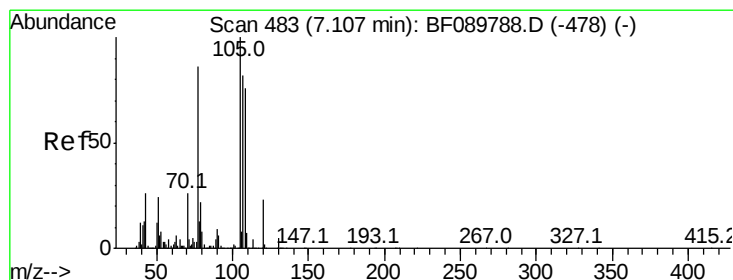
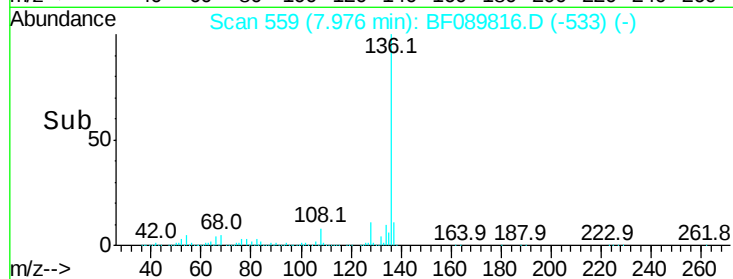
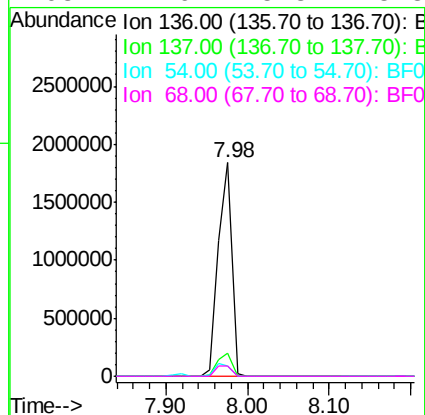
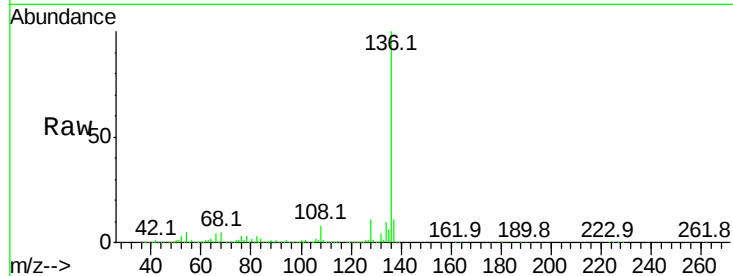
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	2132512		
137	11.0	9.2	13.8	
54	4.8	7.2	10.8	
68	4.6	5.8	8.8	

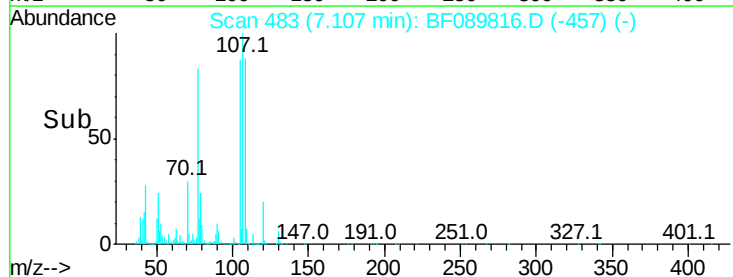
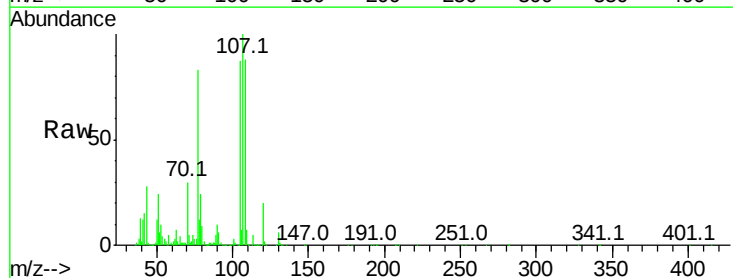
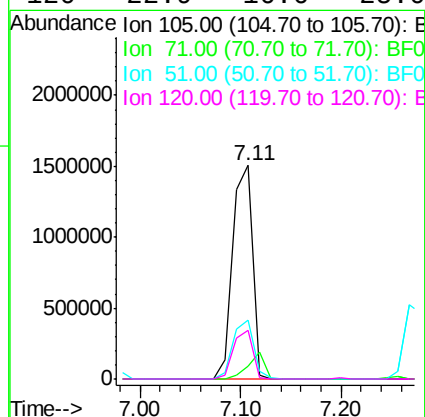
Manual Integrations
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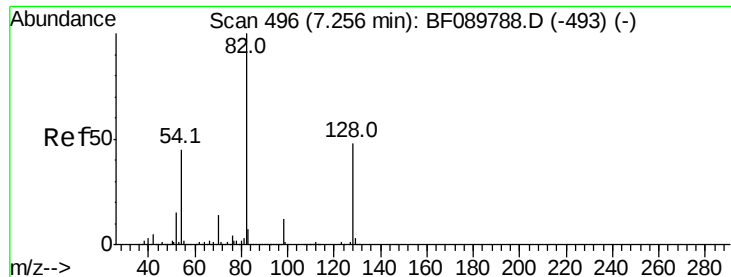
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#22
Acetophenone
Concen: 42.17 ng
RT: 7.11 min Scan# 483
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	2064843		
71	6.1	1.9	2.9	
51	27.7	28.5	42.7	
120	22.9	16.6	25.0	





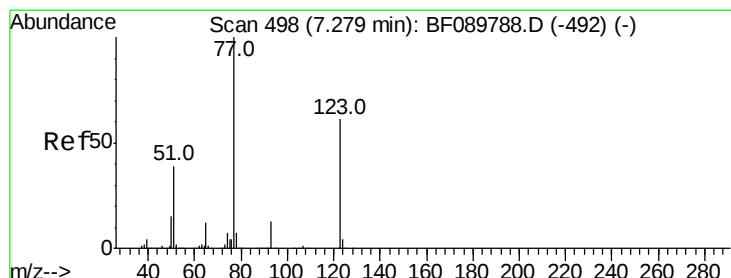
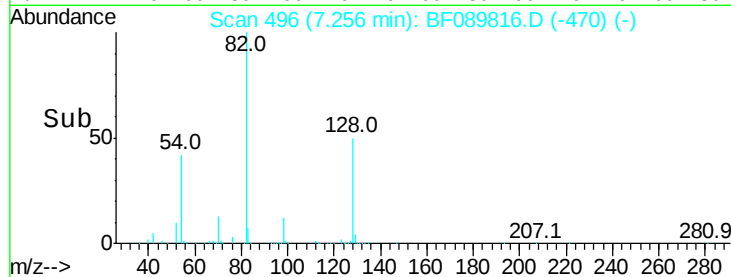
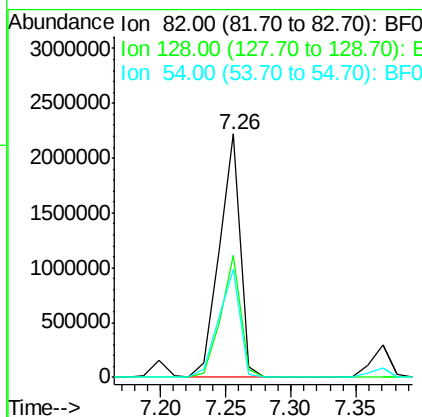
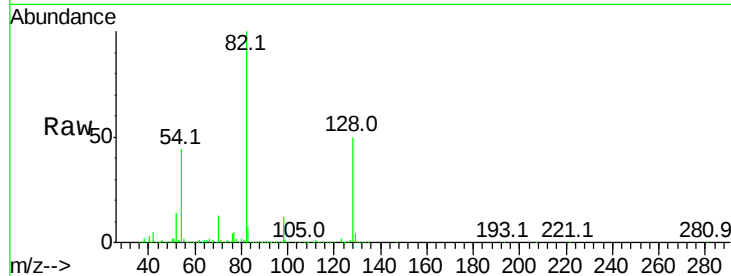
#23
 Nitrobenzene-d5
 Concen: 72.22 ng
 RT: 7.26 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.1	34.4	51.6
54	44.2	40.3	60.5

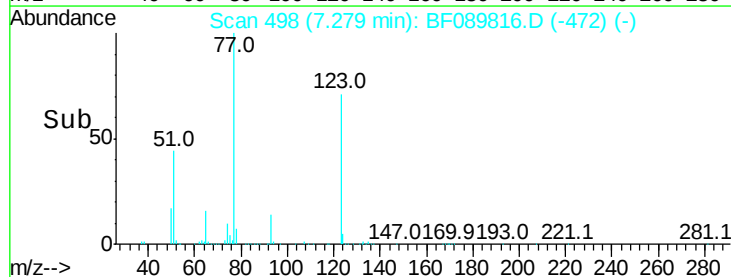
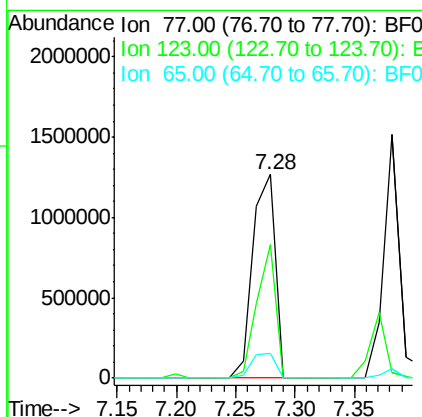
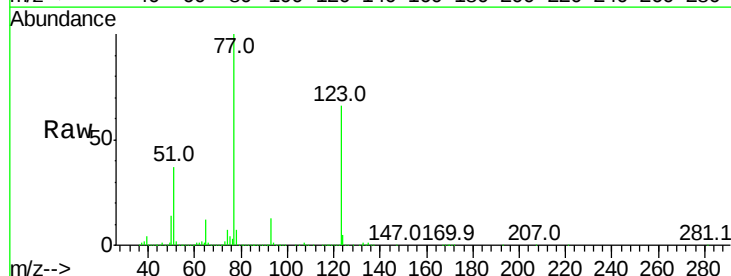
Manual Integrations
 APPROVED

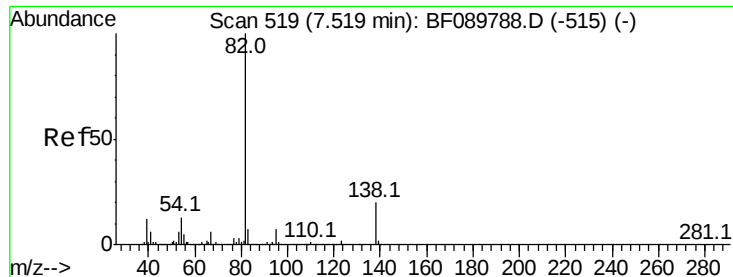
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#24
 Nitrobenzene
 Concen: 43.77 ng
 RT: 7.28 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
77	100		
123	65.7	36.2	54.2#
65	12.1	10.6	15.8





#25

Isophorone

Concen: 45.39 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion: 82 Resp: 3142563

Ion Ratio Lower Upper

82 100

95 7.0 5.3 7.9

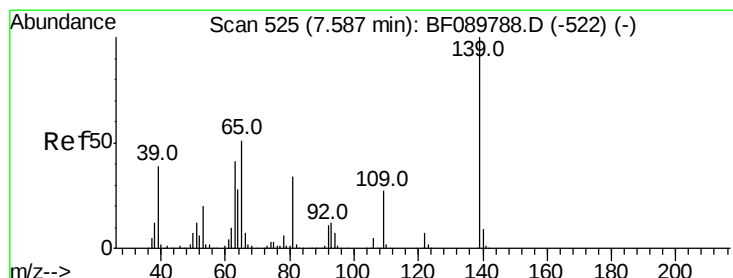
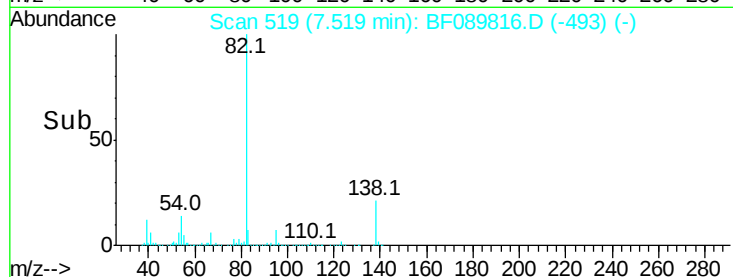
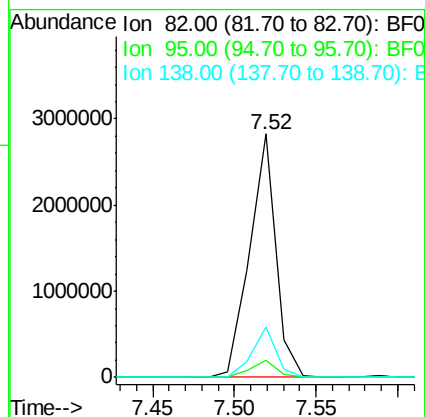
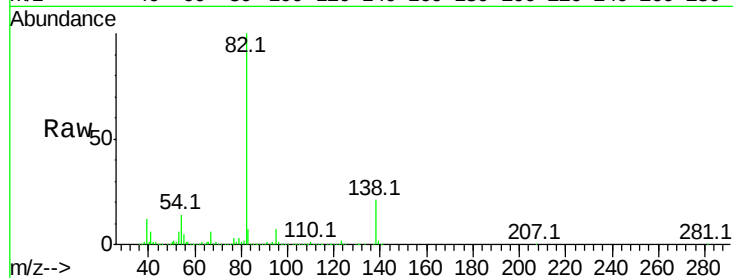
138 20.8 13.0 19.4#

Manual Integrations

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#26

2-Nitrophenol

Concen: 41.42 ng

RT: 7.59 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

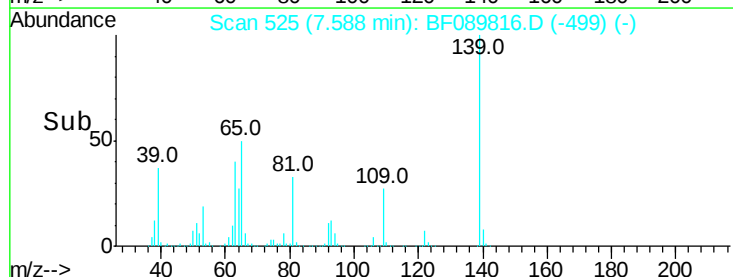
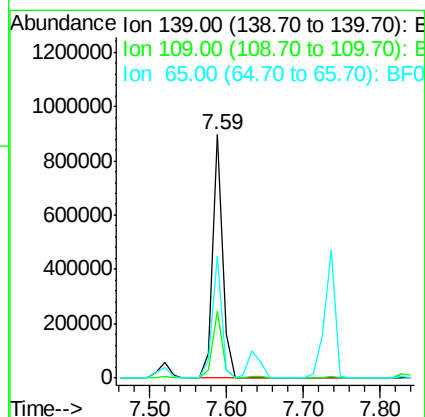
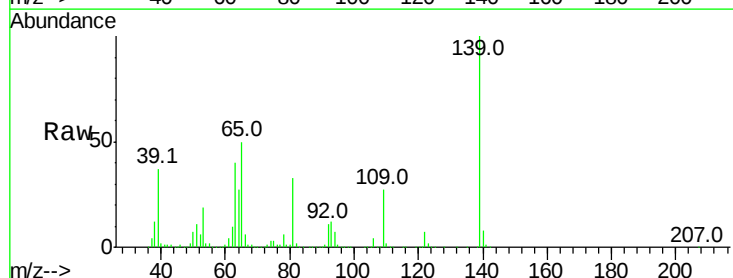
Tgt Ion: 139 Resp: 795925

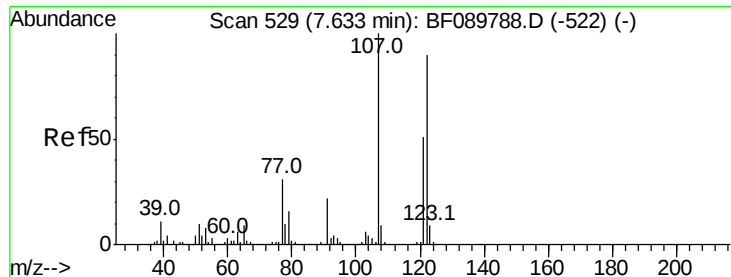
Ion Ratio Lower Upper

139 100

109 27.4 19.5 29.3

65 50.4 26.5 39.7#





#27

2,4-Dimethylphenol

Concen: 42.84 ng

RT: 7.64 min Scan# 530

Delta R.T. 0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

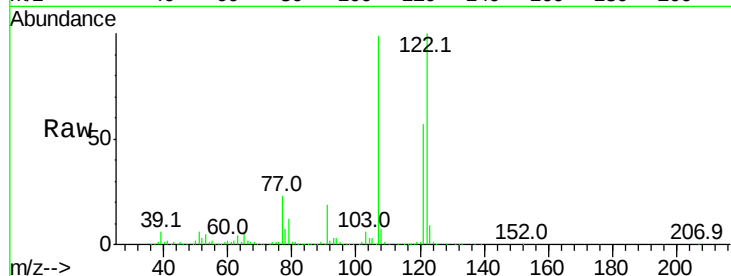
ClientSampleId :

A-2(8-15)MSD

Tot Ion:	122	Resp:	1483591
Ion	Ratio	Lower	Upper
122	100		
107	98.9	84.8	127.2
121	57.2	47.0	70.6

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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

7.64

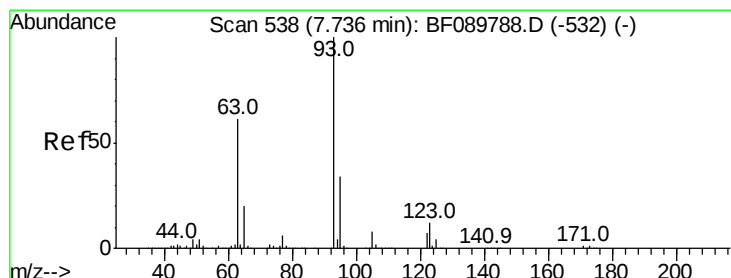
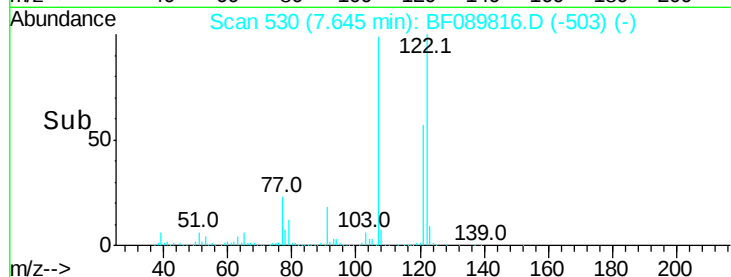
1500000

1000000

500000

0

Time-->



#28

bis(2-Chloroethoxy)methane

Concen: 50.30 ng

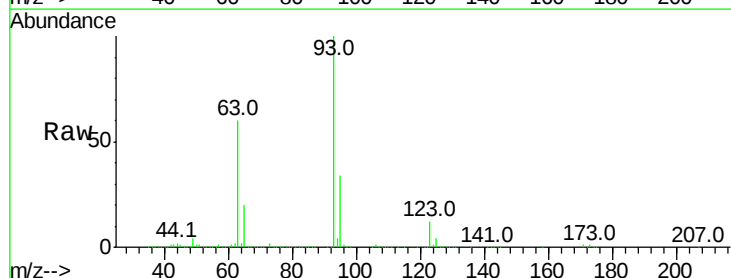
RT: 7.74 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Tgt Ion:	93	Resp:	2154733
Ion	Ratio	Lower	Upper
93	100		
95	33.9	25.5	38.3
123	11.7	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

7.74

3000000

2500000

2000000

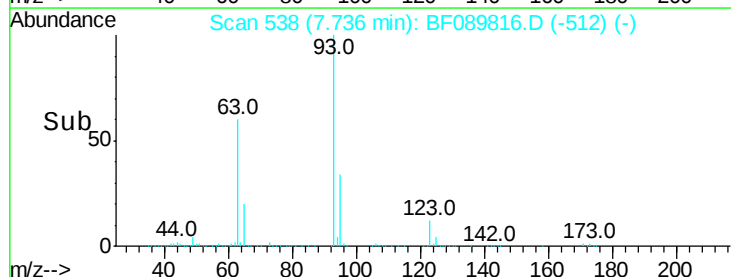
1500000

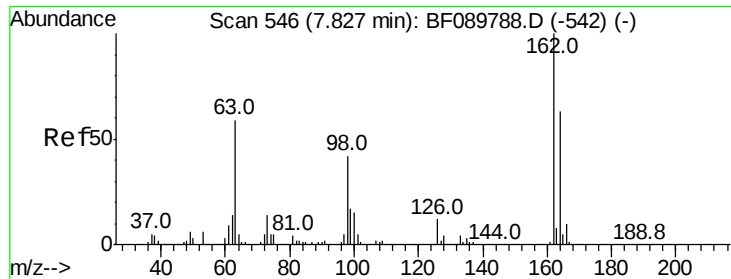
1000000

500000

0

Time-->





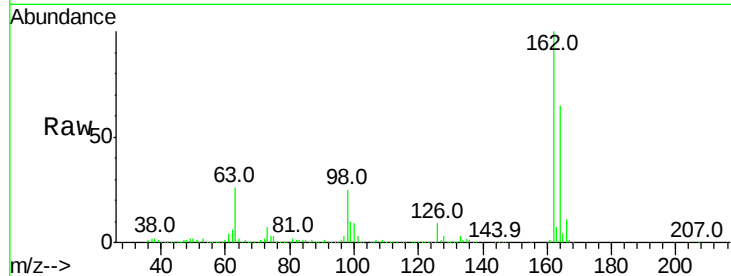
#29
2,4-Dichlorophenol
Concen: 45.70 ng
RT: 7.84 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampled :
A-2(8-15)MSD

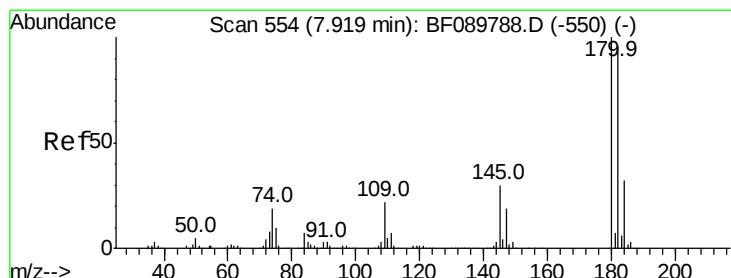
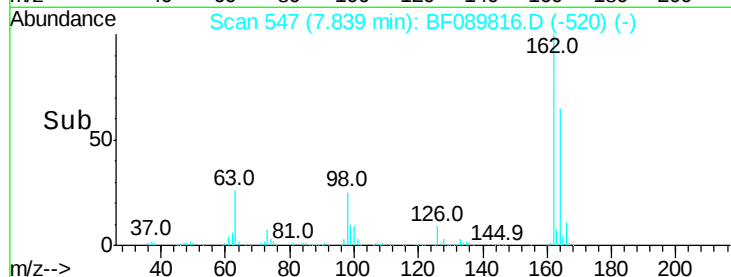
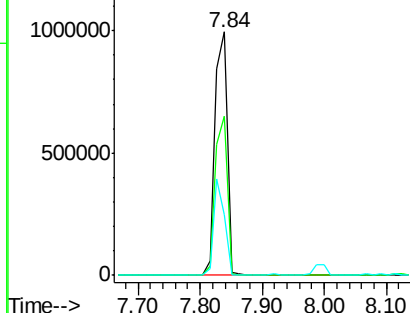
Tot Ion	Ratio	Lower	Upper
162	100		
164	65.4	45.5	85.5
98	24.7	12.4	52.4

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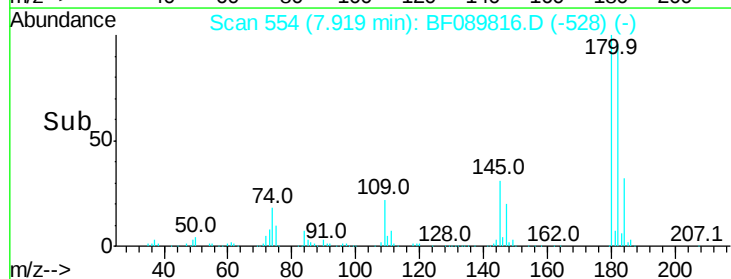
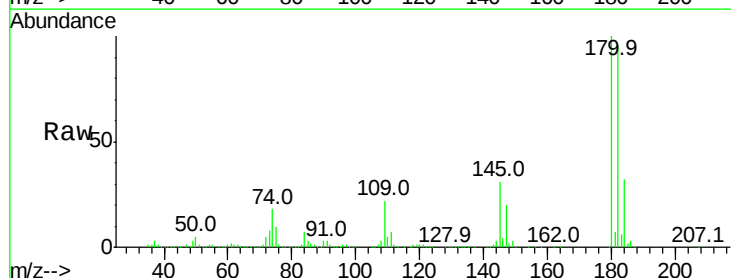
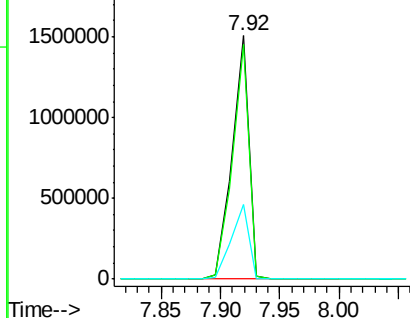
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

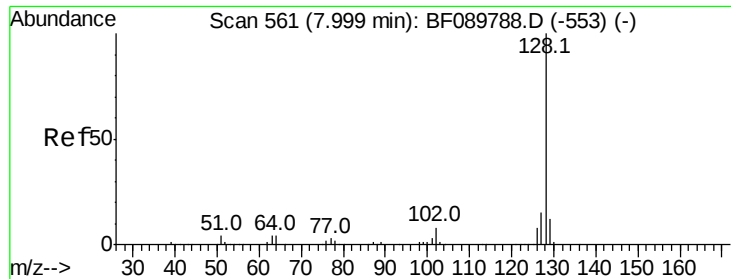


#30
1,2,4-Trichlorobenzene
Concen: 46.12 ng
RT: 7.92 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.5	113.3
145	30.7	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





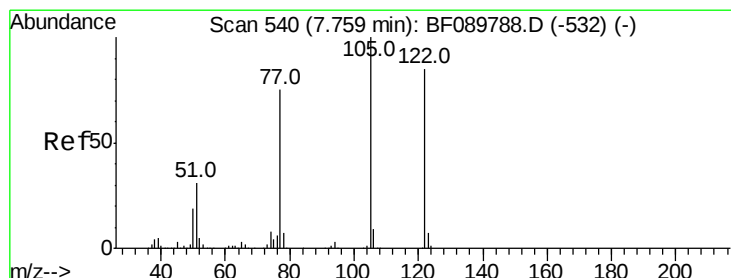
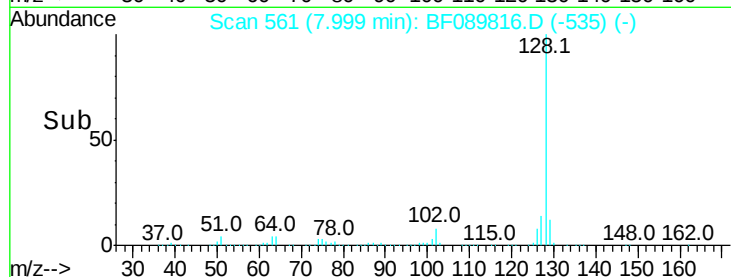
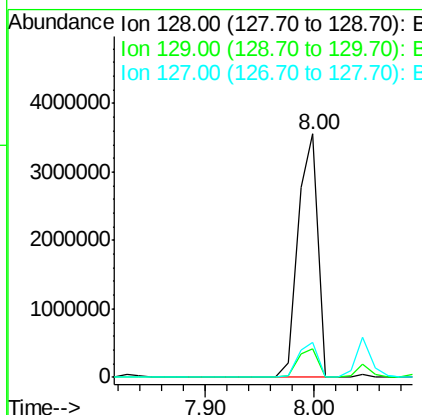
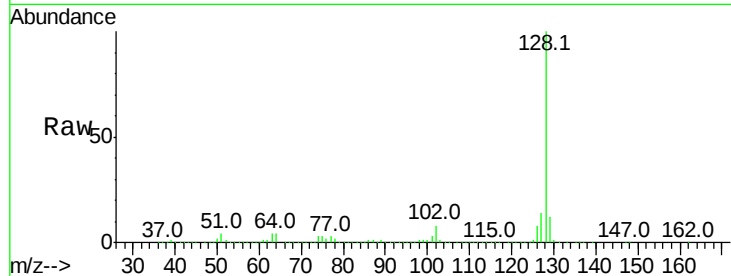
#31
Naphthalene
Concen: 45.17 ng
RT: 8.00 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion:128 Resp: 4501995
Ion Ratio Lower Upper
128 100
129 11.9 9.5 14.3
127 14.4 11.3 16.9

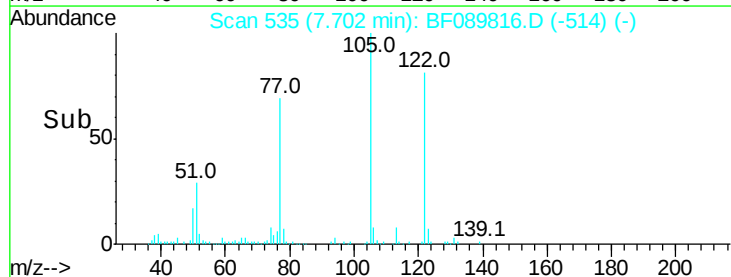
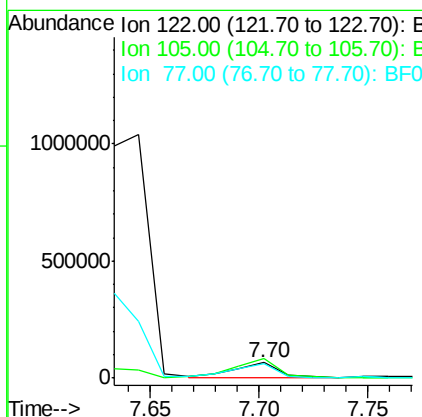
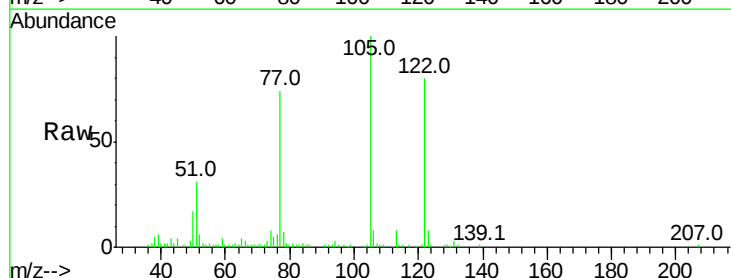
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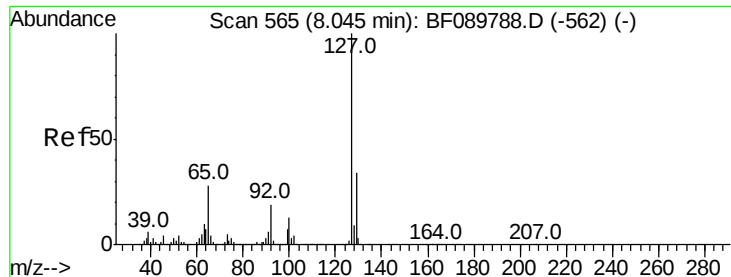
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#32
Benzoic acid
Concen: 3.19 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.06 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion:122 Resp: 86051
Ion Ratio Lower Upper
122 100
105 124.3 100.8 140.8
77 91.7 72.1 112.1





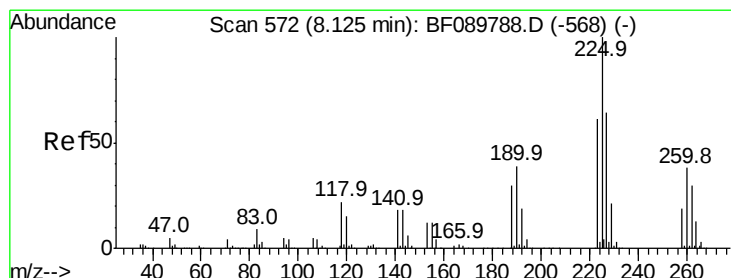
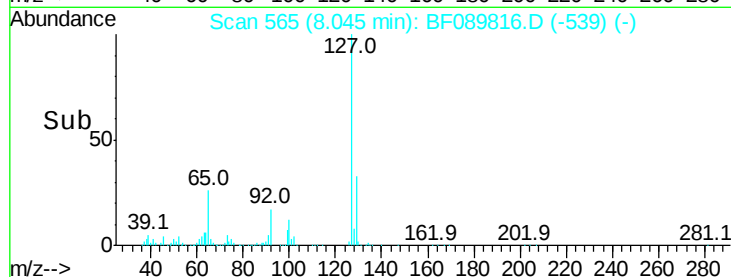
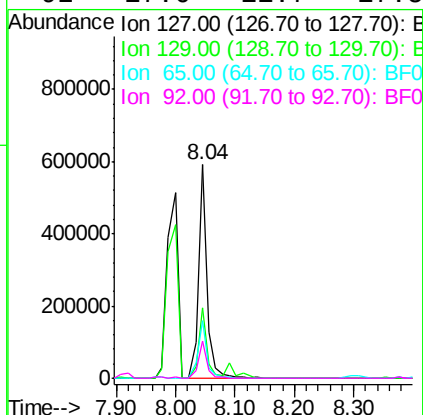
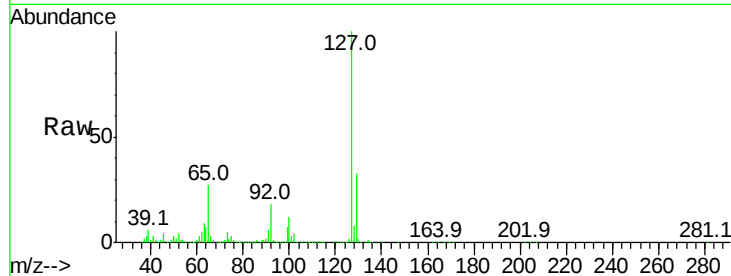
#33
 4-Chloroaniline
 Concen: 14.02 ng
 RT: 8.04 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.9	27.0	40.6		
65	27.0	14.7	22.1		
92	17.6	11.7	17.5		

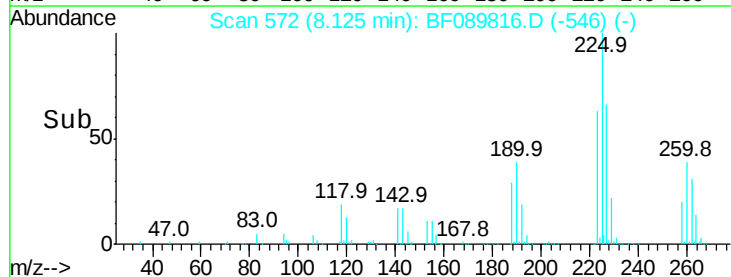
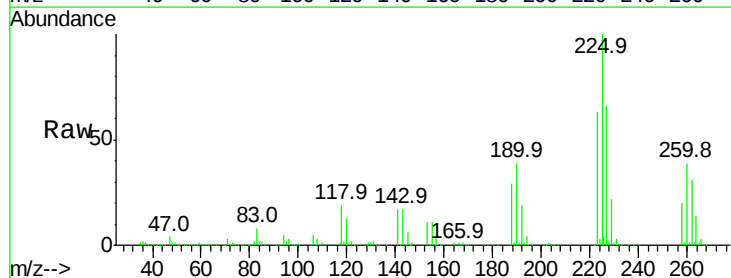
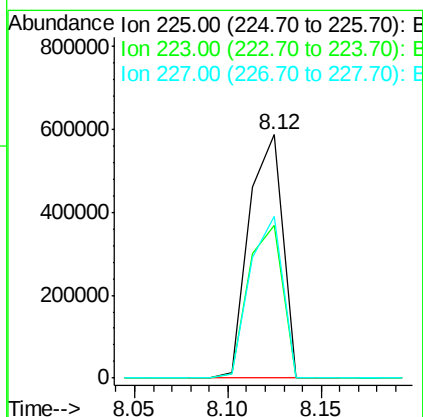
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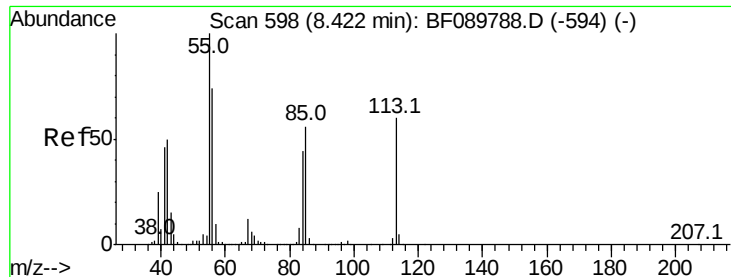
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#34
 Hexachlorobutadiene
 Concen: 43.38 ng
 RT: 8.12 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	51.0	76.6		
227	66.3	49.8	74.6		





#35

Caprolactam

Concen: 42.97 ng

RT: 8.41 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

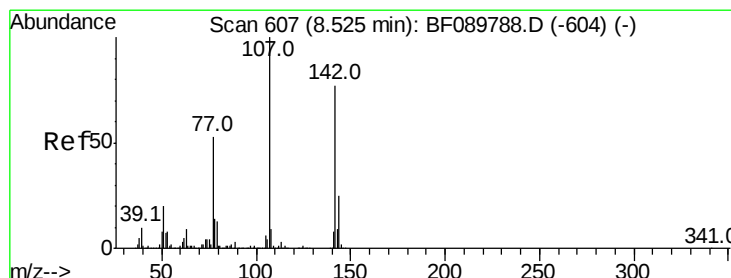
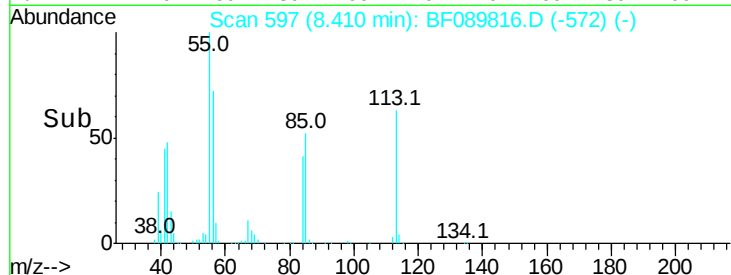
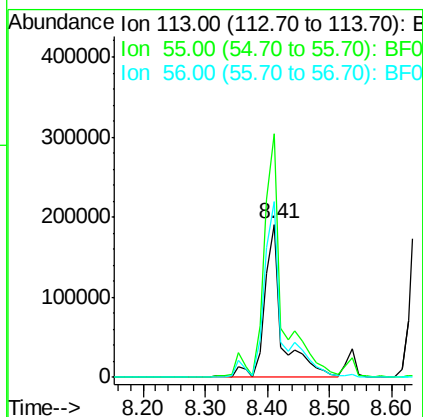
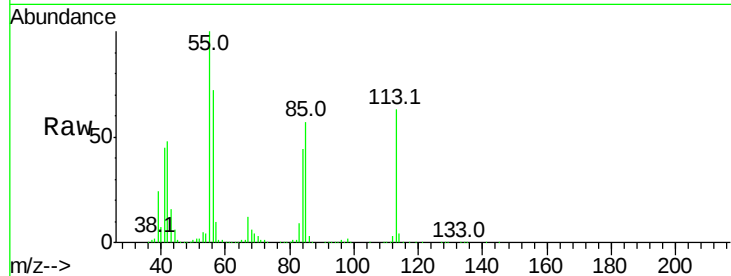
ClientSampleId :

A-2(8-15)MSD

Tot Ion:	113	Resp:	380211
Ion Ratio	Lower	Upper	
113	100		
55	158.9	135.9	175.9
56	114.7	93.9	133.9

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#36

4-Chloro-3-methylphenol

Concen: 41.76 ng

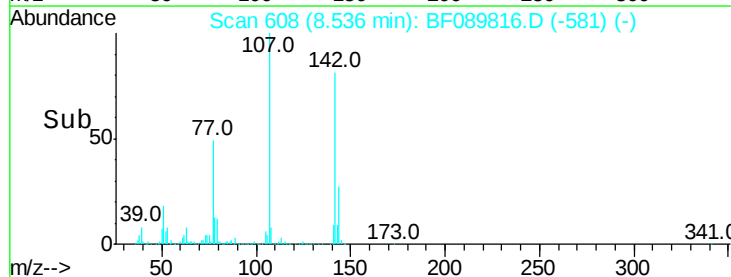
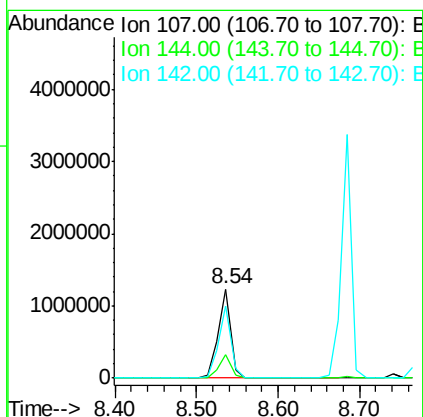
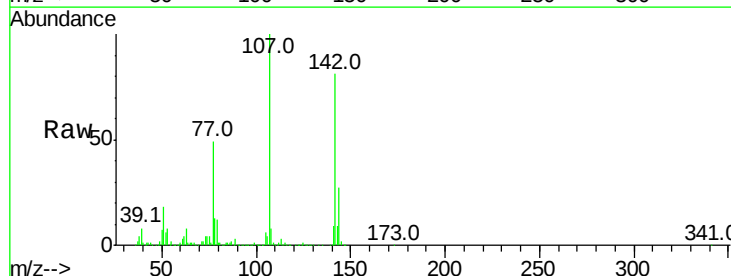
RT: 8.54 min Scan# 608

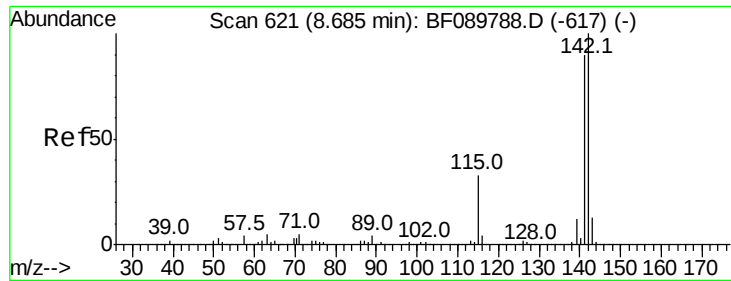
Delta R.T. 0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Tgt Ion:	107	Resp:	1314159
Ion Ratio	Lower	Upper	
107	100		
144	26.9	22.6	34.0
142	81.2	69.3	103.9





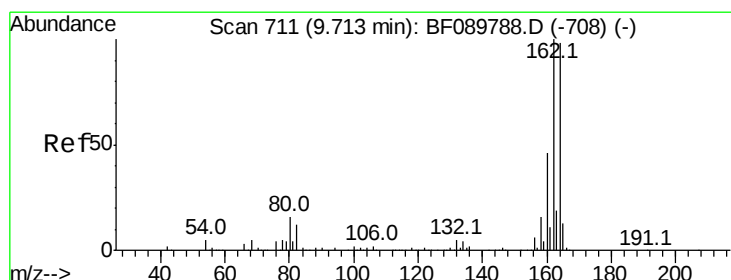
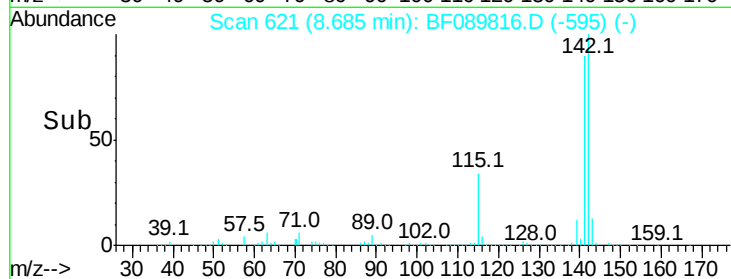
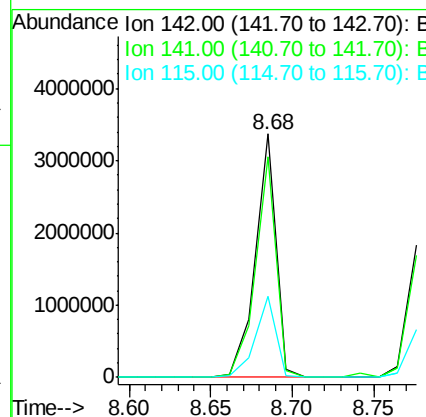
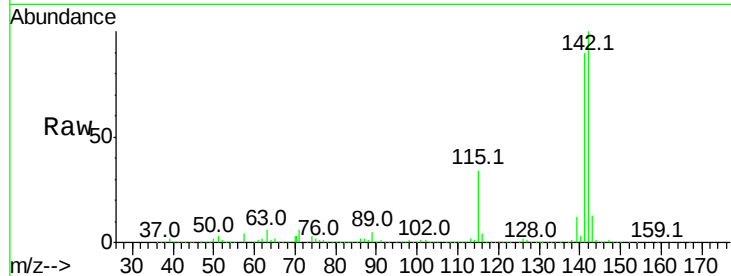
#37
2-Methylnaphthalene
Concen: 46.09 ng
RT: 8.68 min Scan# 621
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.4	107.2
115	33.5	22.7	34.1

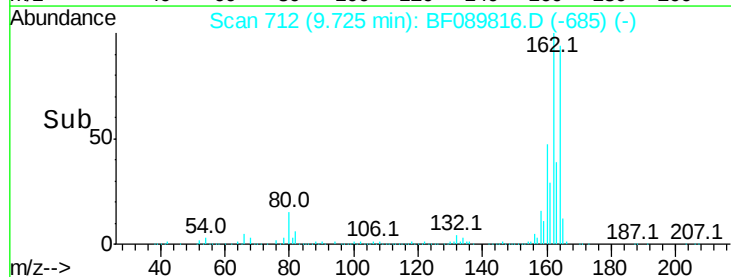
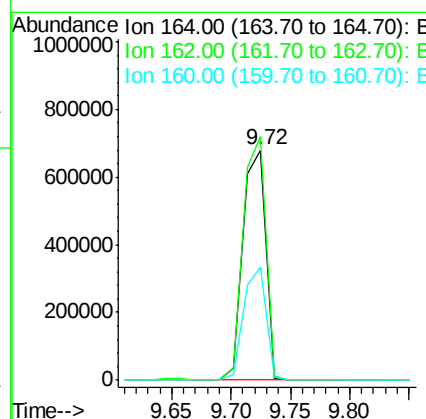
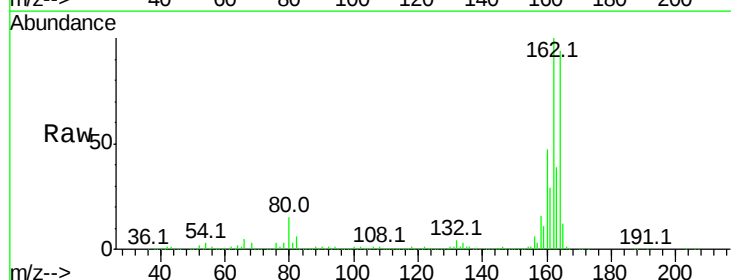
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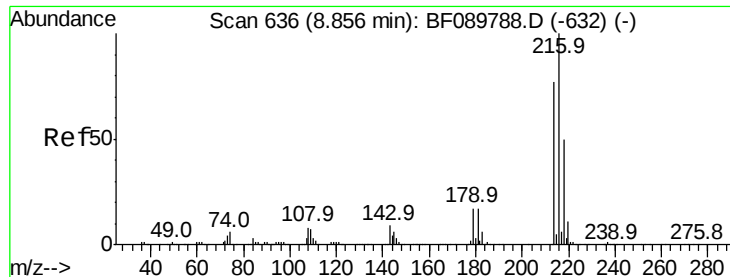
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 712
Delta R.T. 0.01 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	81.4	122.2
160	49.3	37.8	56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.87 ng

RT: 8.84 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

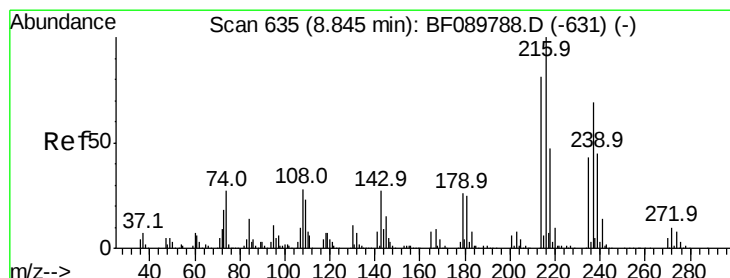
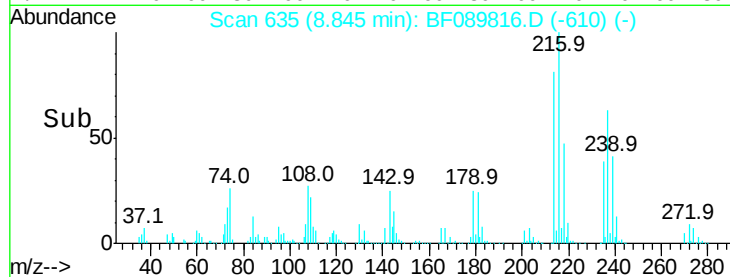
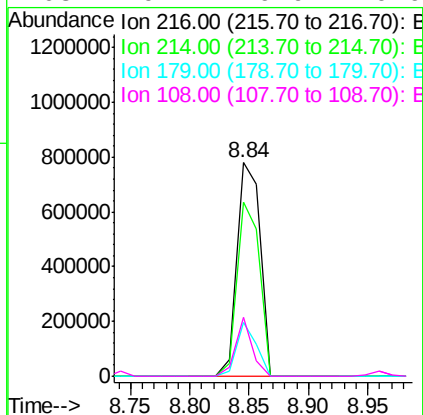
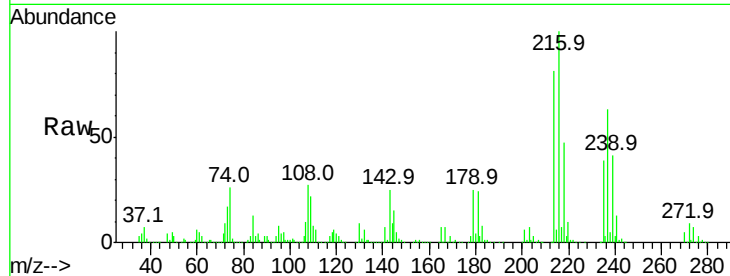
ClientSampleId :

A-2(8-15)MSD

Tot Ion:	216	Resp:	1060544
Ion Ratio	Lower	Upper	
216	100		
214	79.2	63.5	95.3
179	21.5	19.9	29.9
108	19.7	19.9	29.9#

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#40

Hexachlorocyclopentadiene

Concen: 47.91 ng

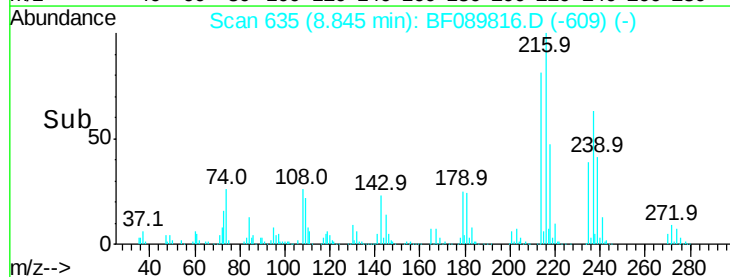
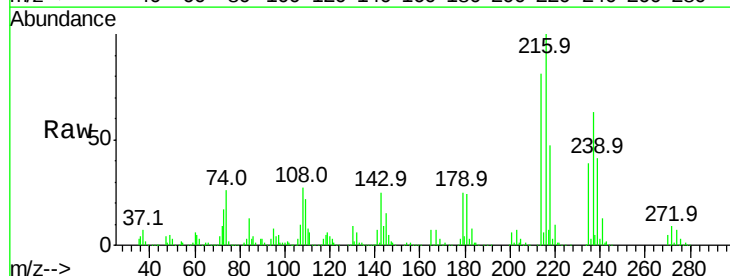
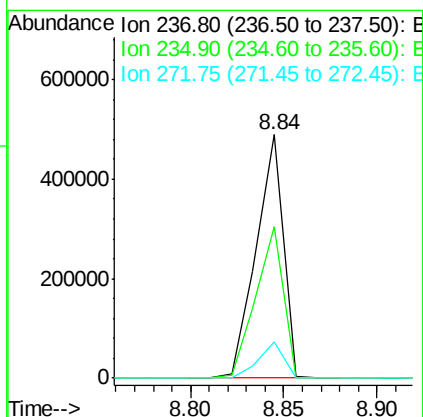
RT: 8.84 min Scan# 635

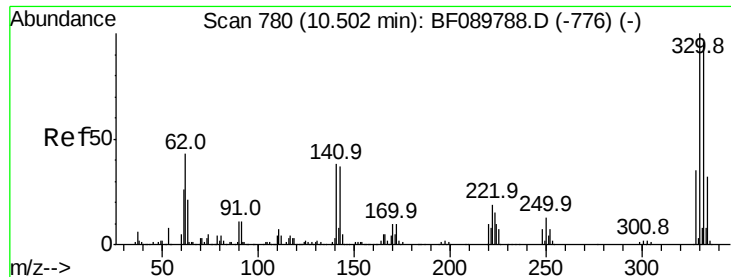
Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Tgt Ion:	237	Resp:	491846
Ion Ratio	Lower	Upper	
237	100		
235	62.3	43.7	83.7
272	14.8	0.0	31.6





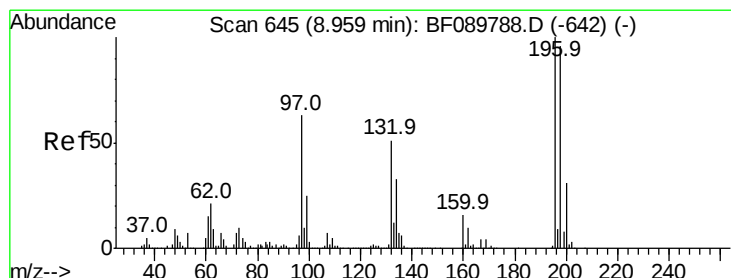
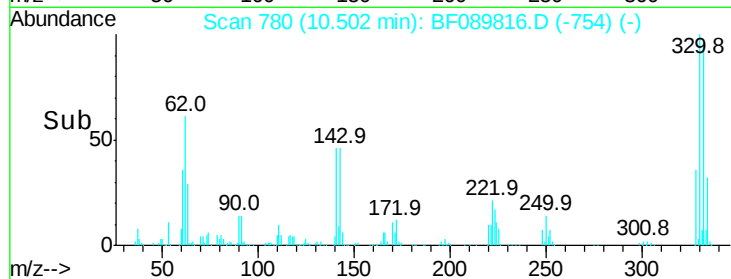
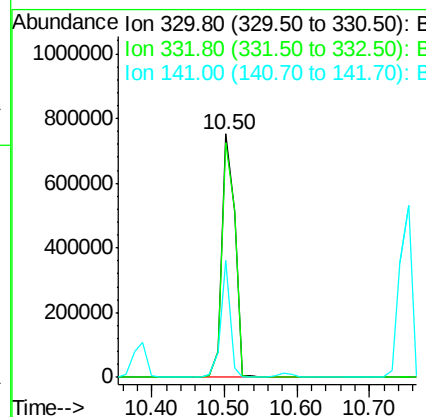
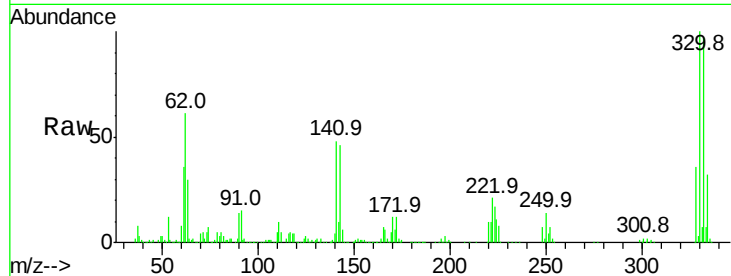
#41
 2,4,6-Tribromophenol
 Concen: 108.26 ng
 RT: 10.50 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	76.7	115.1	
141	34.8	30.2	45.2	

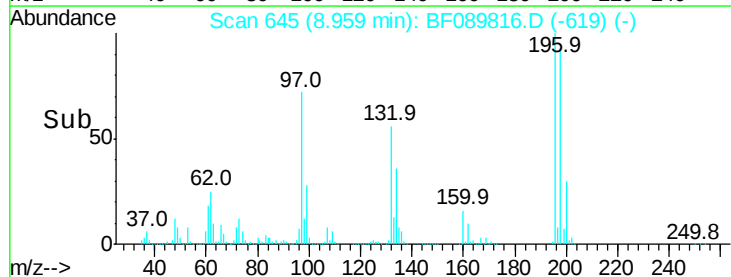
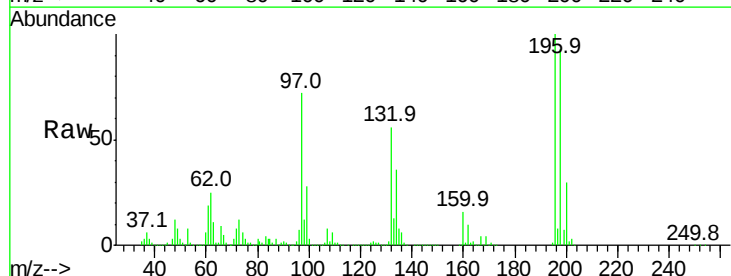
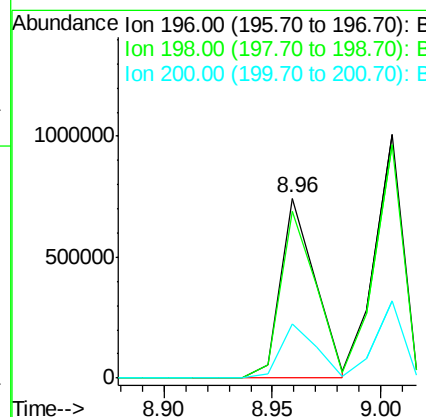
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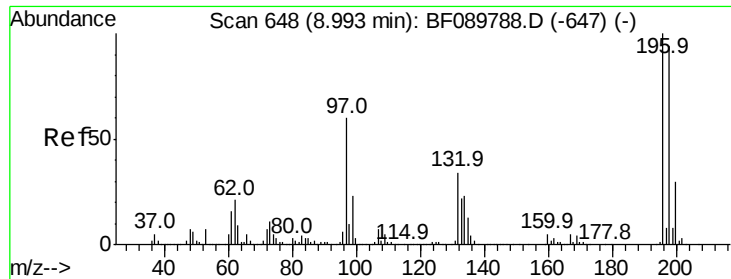
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#42
 2,4,6-Trichlorophenol
 Concen: 44.85 ng
 RT: 8.96 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	92.6	76.3	114.5	
200	29.9	24.6	36.8	





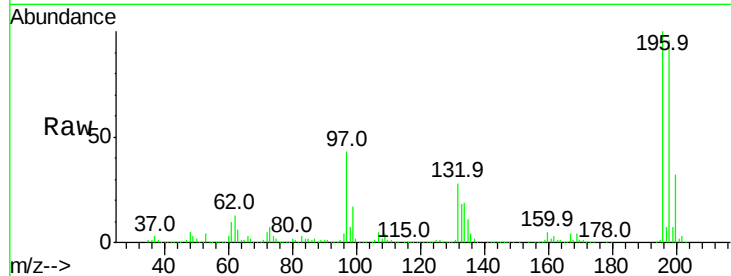
#43
 2,4,5-Trichlorophenol
 Concen: 49.44 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.01 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

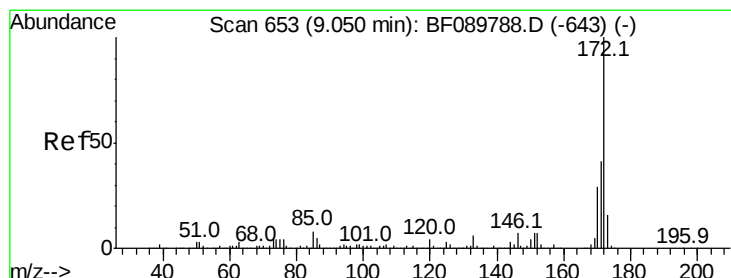
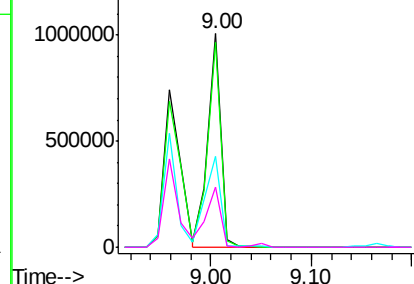
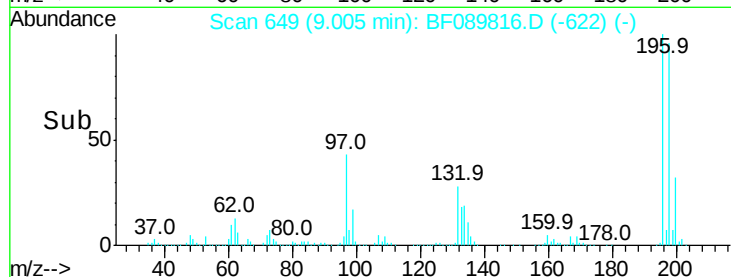
Tot Ion:	196	Resp:	914650
Ion Ratio	Lower	Upper	
196	100		
198	95.8	76.6	114.8
97	42.8	35.8	53.8
132	28.3	23.5	35.3

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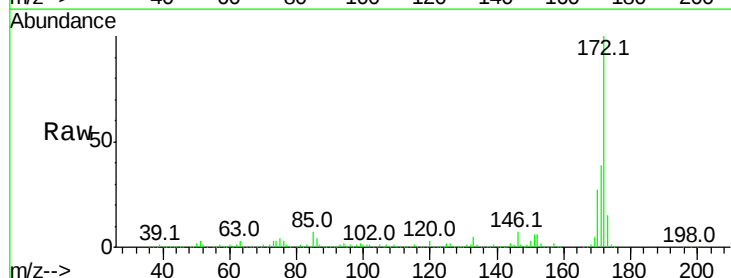


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

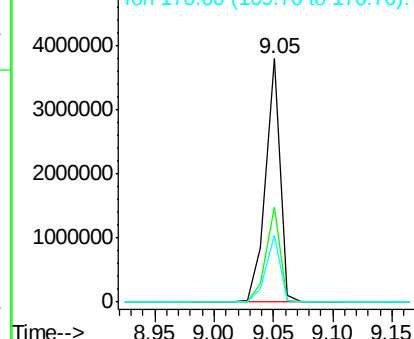
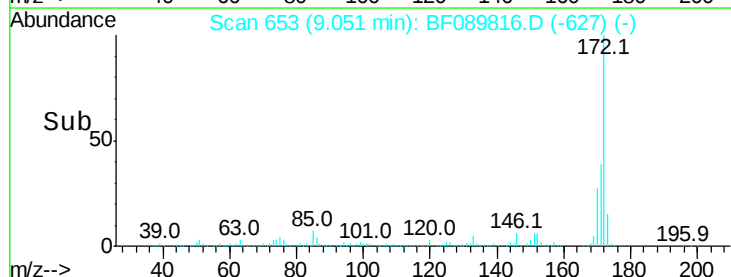


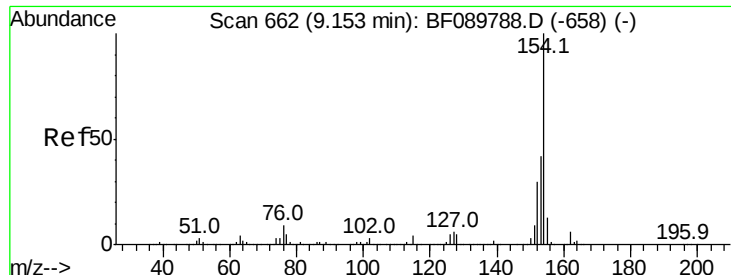
#44
 2-Fluorobiphenyl
 Concen: 63.22 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion:	172	Resp:	3284534
Ion Ratio	Lower	Upper	
172	100		
171	39.0	30.5	45.7
170	27.4	20.6	31.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





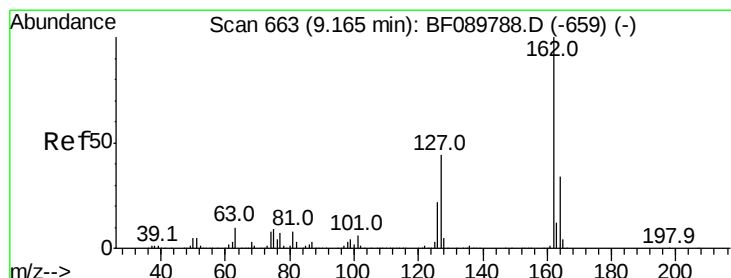
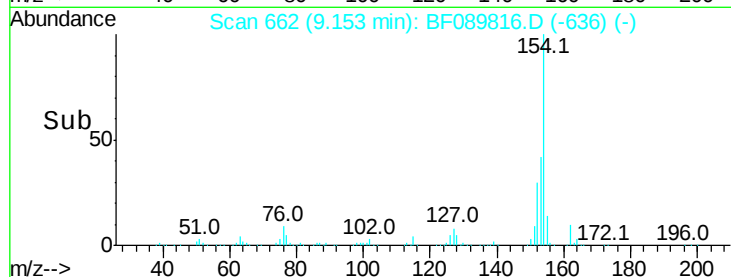
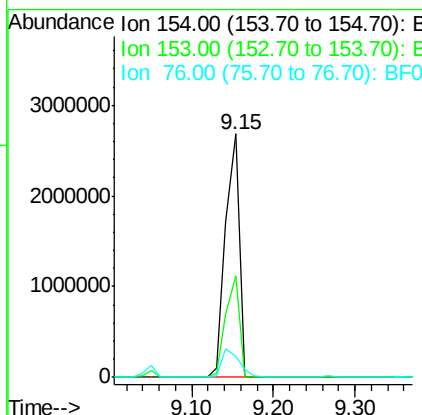
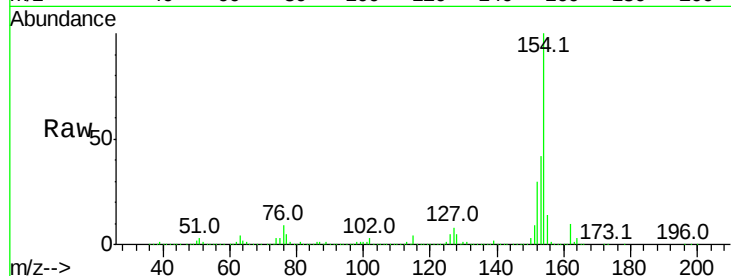
#45
 1,1'-Biphenyl
 Concen: 43.87 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.7	21.5	61.5
76	8.8	0.0	36.7

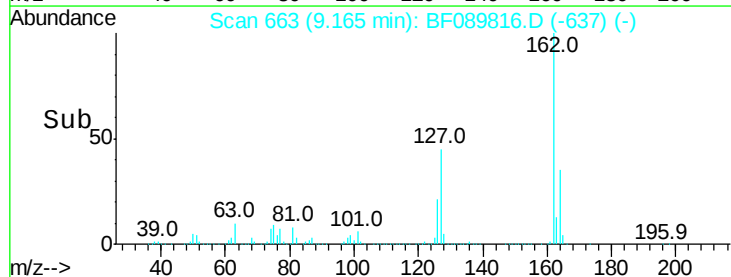
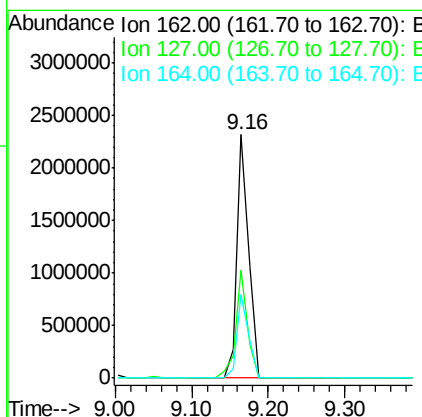
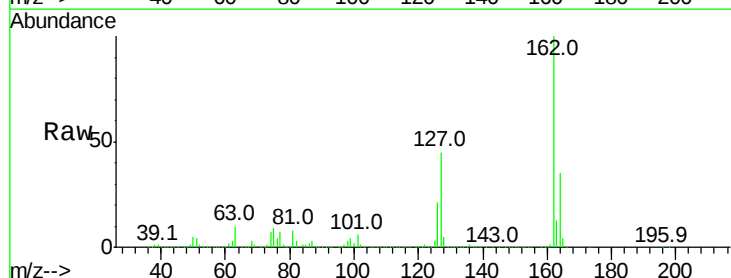
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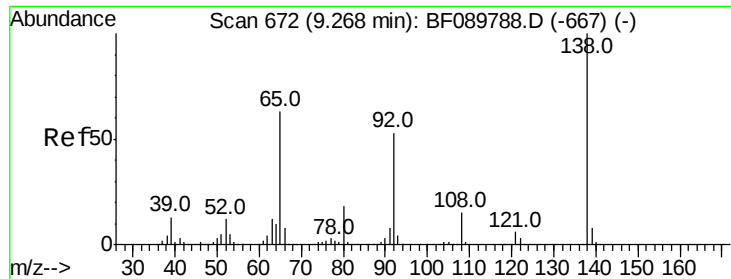
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#46
 2-Chloronaphthalene
 Concen: 45.02 ng
 RT: 9.16 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
162	100		
127	44.5	35.5	53.3
164	34.6	26.6	40.0





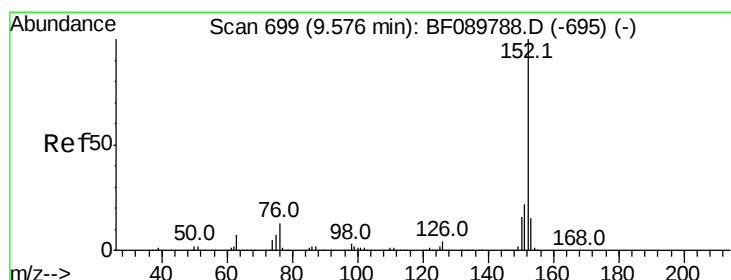
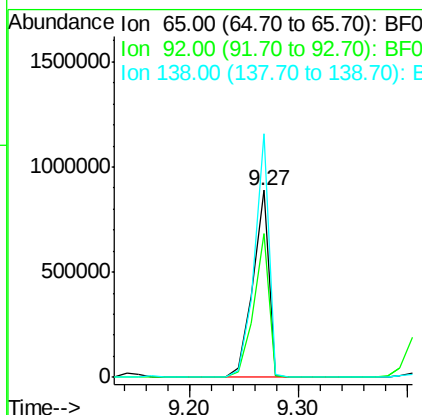
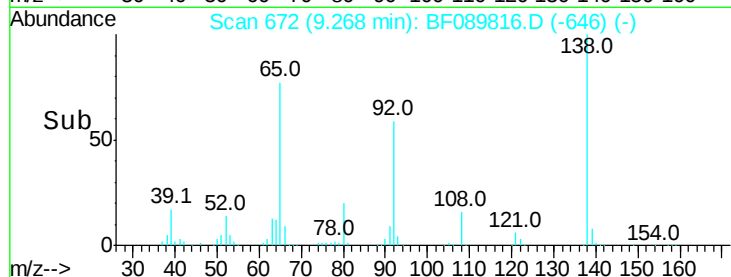
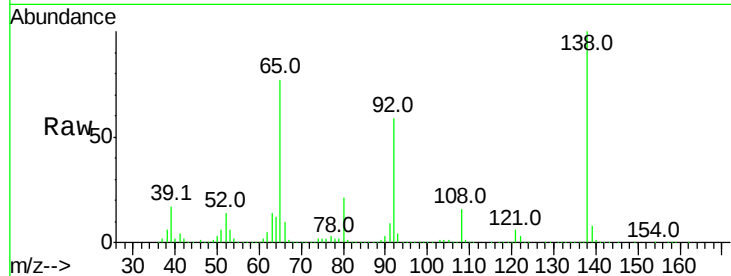
#47
 2-Nitroaniline
 Concen: 57.02 ng
 RT: 9.27 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	77.1	56.3	84.5
138	130.3	81.8	122.8

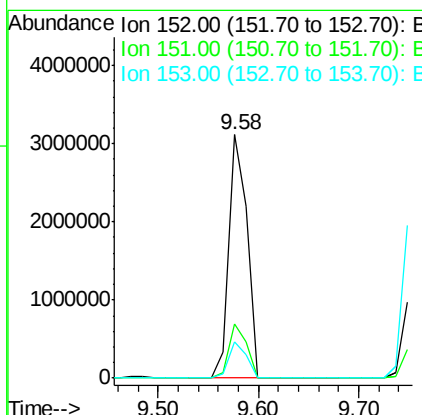
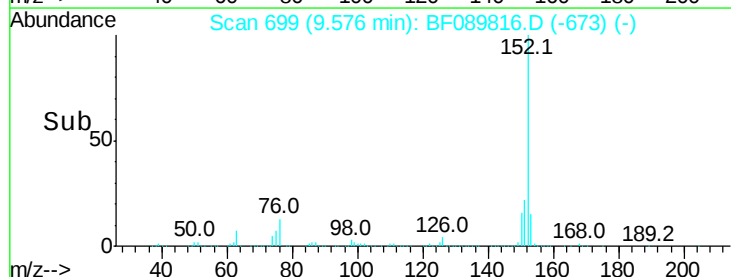
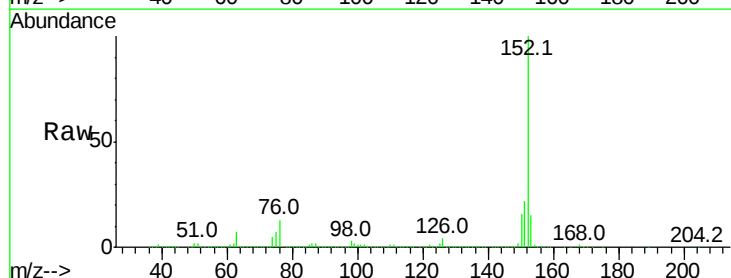
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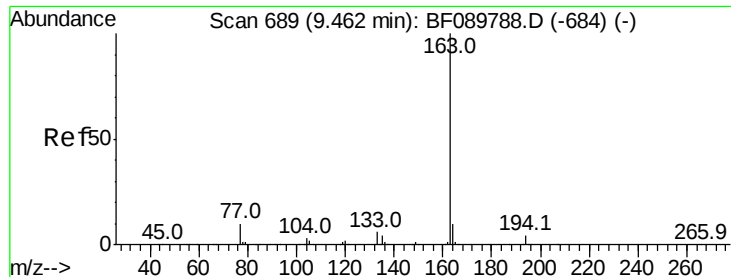
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#48
 Acenaphthylene
 Concen: 46.43 ng
 RT: 9.58 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.1	25.7
153	14.9	11.2	16.8





#49

Dimethylphthalate

Concen: 68.84 ng

RT: 9.46 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampled :

A-2(8-15)MSD

Tot Ion:163 Resp: 4425688

Ion Ratio Lower Upper

163 100

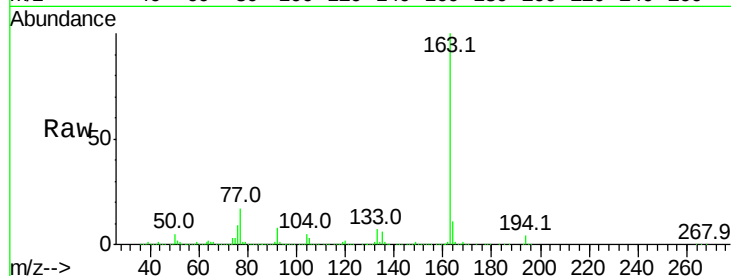
194 4.0 2.6 3.8#

164 11.4 8.6 12.8

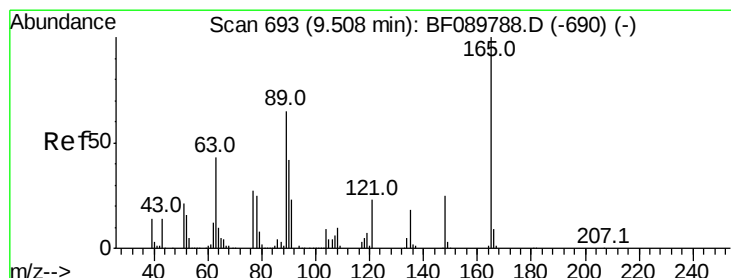
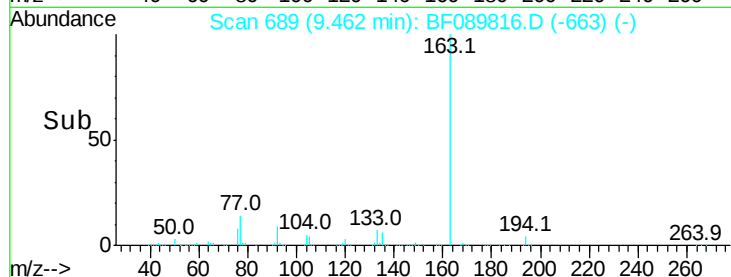
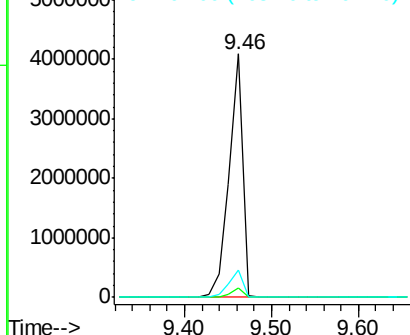
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 42.88 ng

RT: 9.51 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

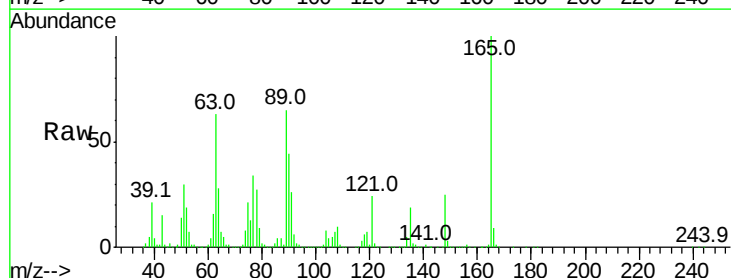
Tgt Ion:165 Resp: 636463

Ion Ratio Lower Upper

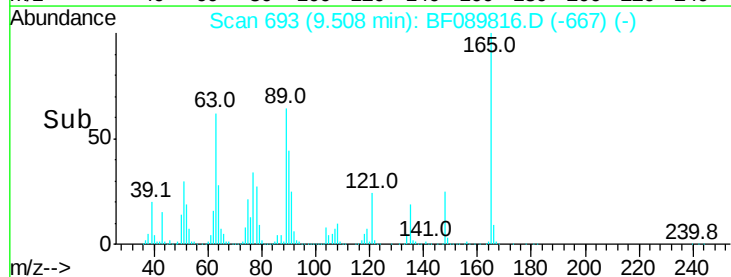
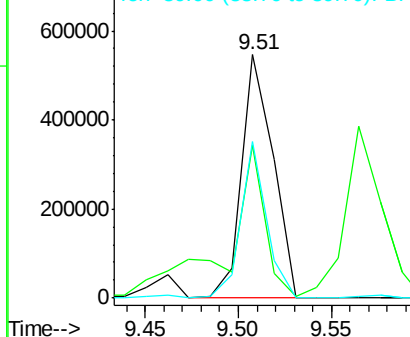
165 100

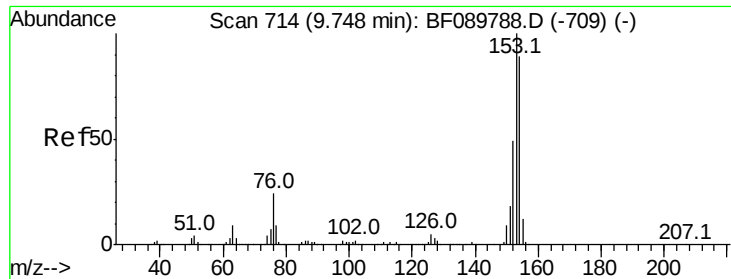
63 62.6 41.7 62.5#

89 64.5 44.6 67.0



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





#51

Acenaphthene

Concen: 44.41 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion:154 Resp: 2467117

Ion Ratio Lower Upper

154 100

153 111.3 90.5 135.7

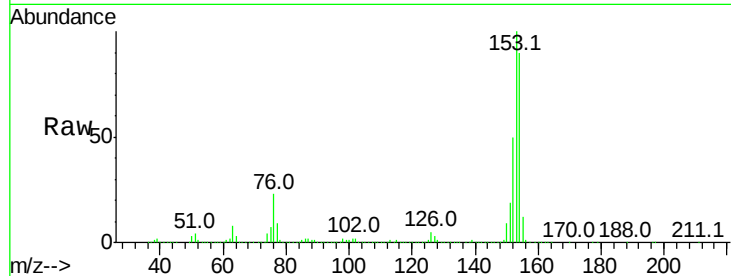
152 55.1 44.6 67.0

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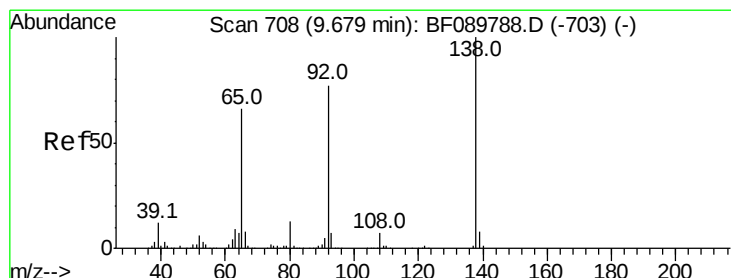
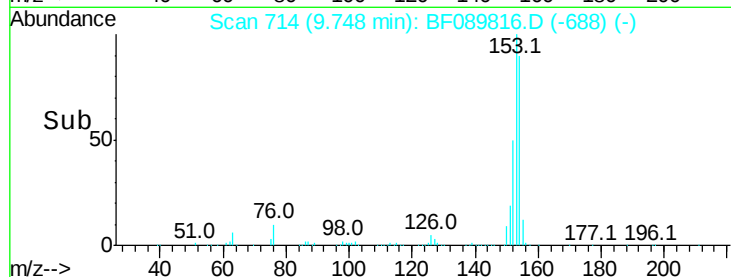
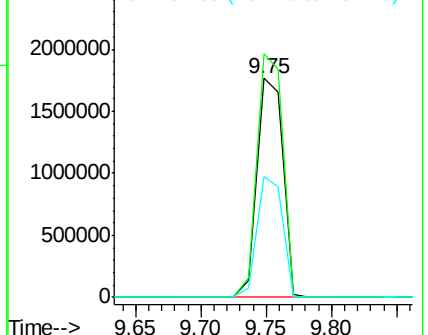
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 27.55 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

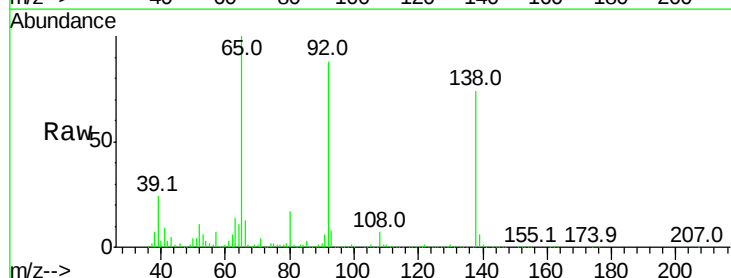
Tgt Ion:138 Resp: 453079

Ion Ratio Lower Upper

138 100

108 10.0 8.1 12.1

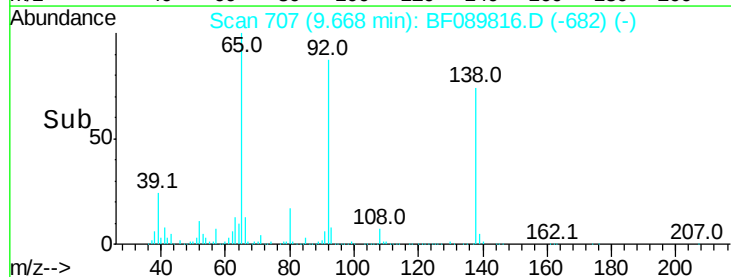
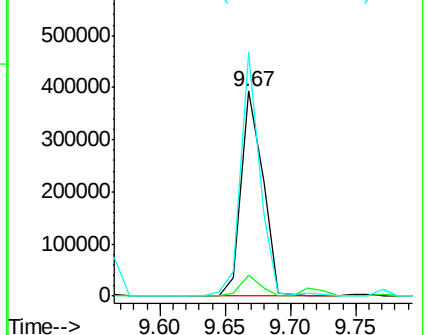
92 118.8 92.7 139.1

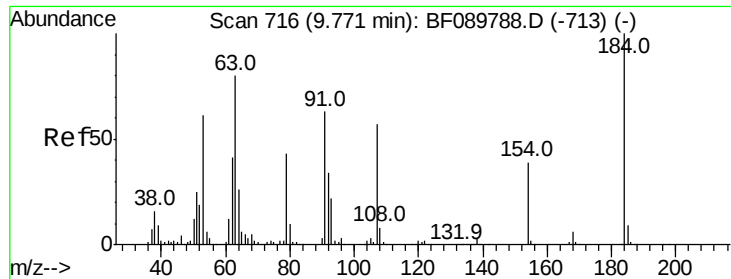


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





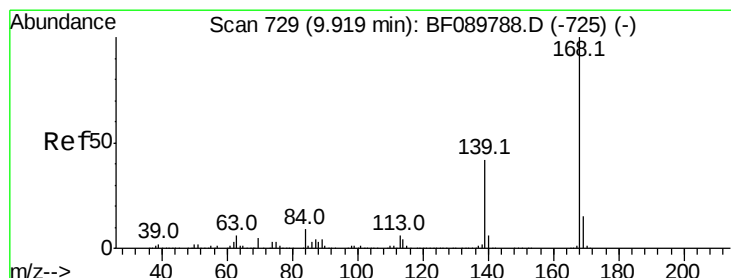
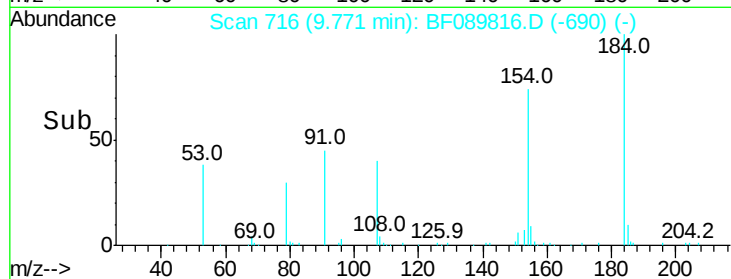
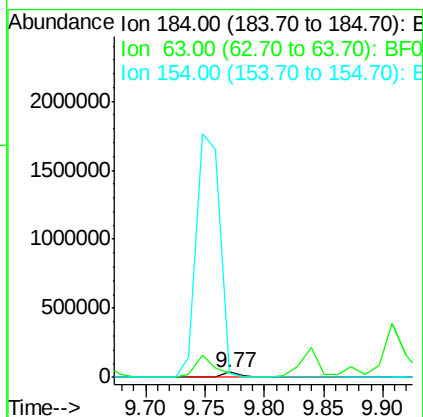
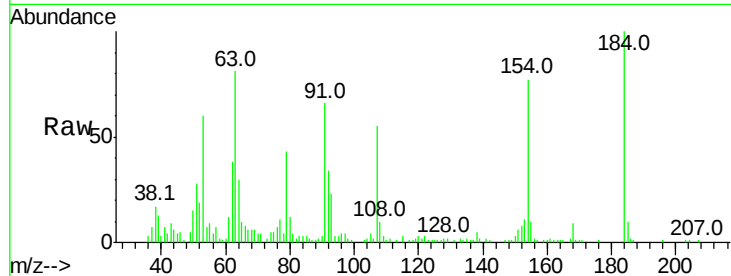
#53
2,4-Dinitrophenol
Concen: 8.56 ng
RT: 9.77 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	80.6	54.2	81.4
154	76.6	52.7	79.1

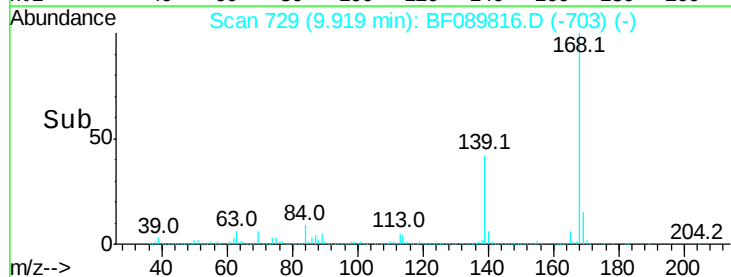
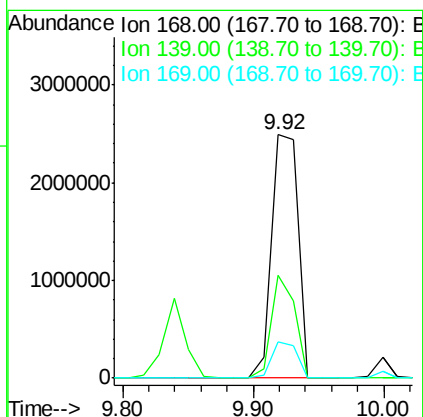
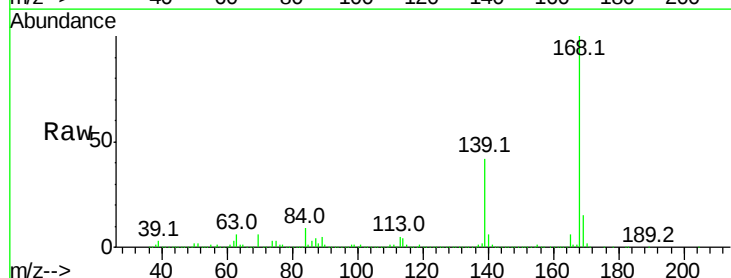
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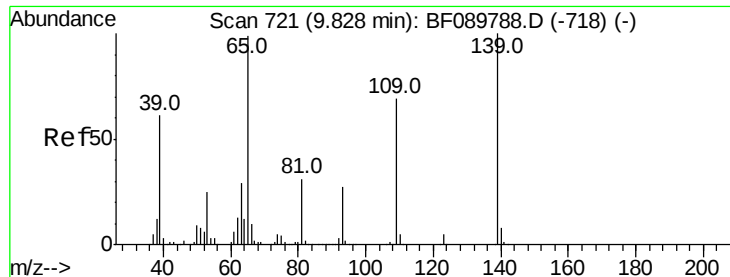
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#54
Dibenzofuran
Concen: 50.86 ng
RT: 9.92 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
168	100		
139	42.1	34.6	52.0
169	14.9	11.5	17.3





#55

4-Nitrophenol

Concen: 71.29 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

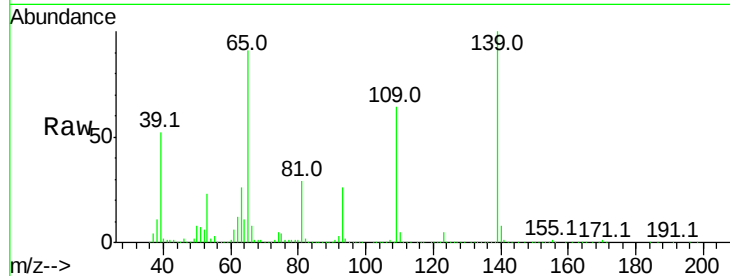
ClientSampleId :

A-2(8-15)MSD

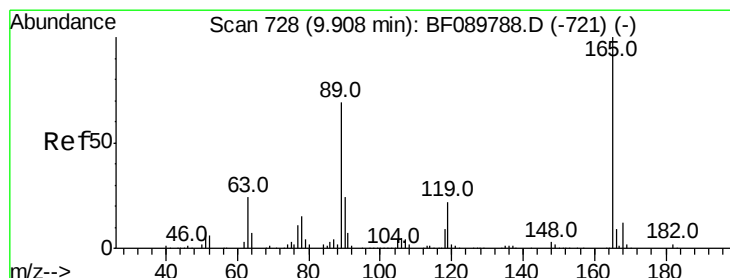
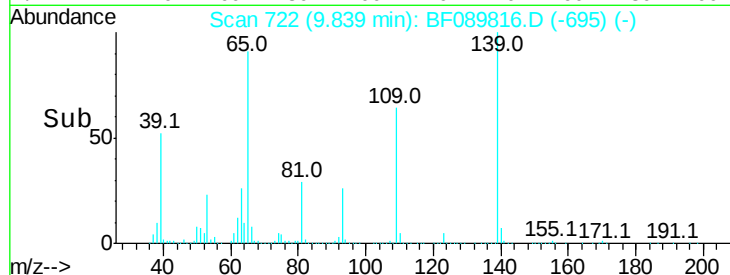
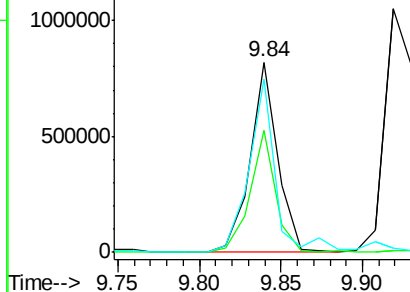
Tot Ion:	139	Resp:	956996
Ion Ratio	Lower	Upper	
139	100		
109	64.0	43.0	83.0
65	91.0	55.7	95.7

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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



#56

2,4-Dinitrotoluene

Concen: 41.16 ng

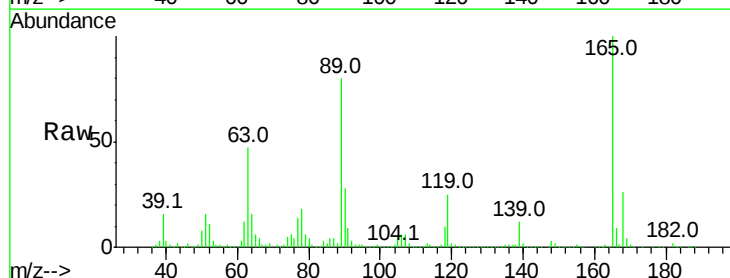
RT: 9.91 min Scan# 728

Delta R.T. 0.00 min

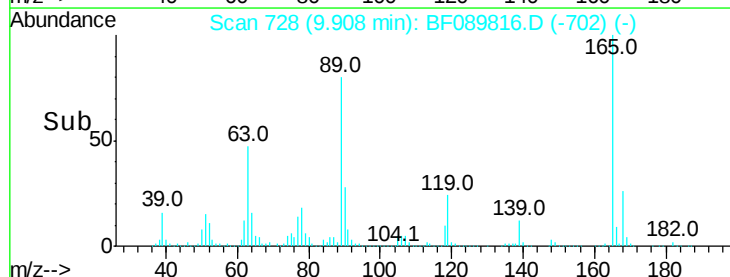
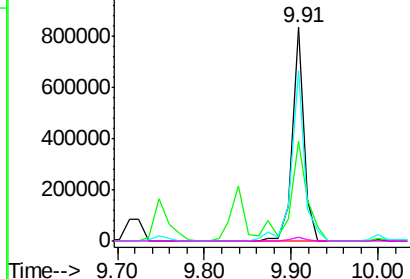
Lab File: BF089816.D

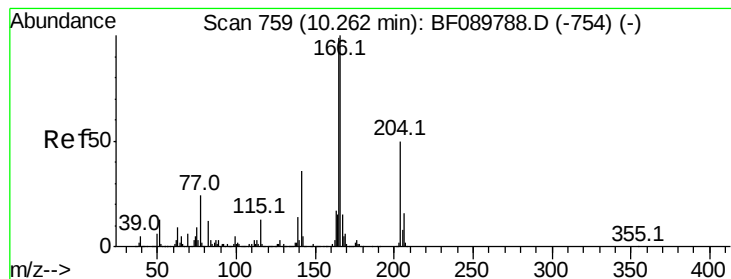
Acq: 20 Aug 2016 00:26

Tgt Ion:	165	Resp:	792737
Ion Ratio	Lower	Upper	
165	100		
63	46.8	23.7	35.5#
89	79.5	44.0	66.0#
182	2.0	2.0	3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 43.53 ng

RT: 10.26 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampled :

A-2(8-15)MSD

Tot Ion:166 Resp: 2420466

Ion Ratio Lower Upper

166 100

165 98.1 80.2 120.4

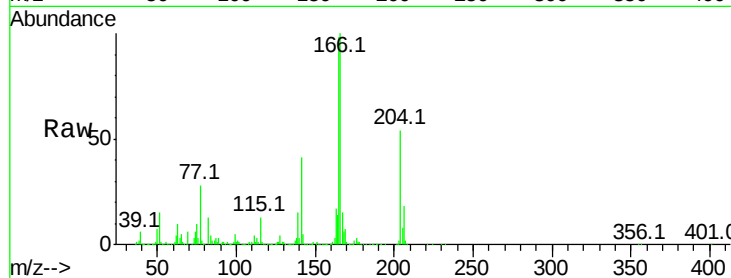
167 14.7 11.3 16.9

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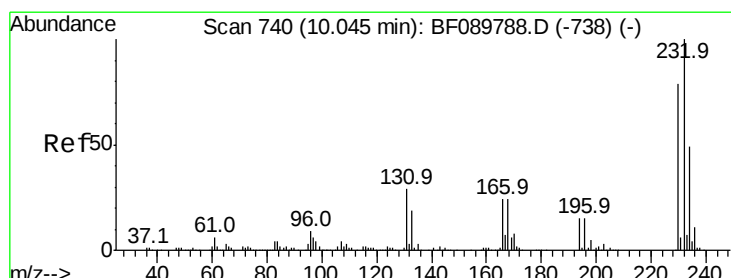
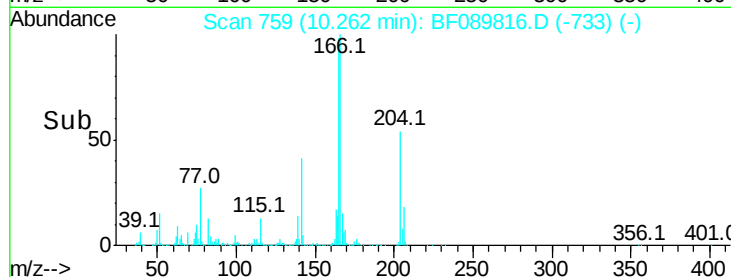
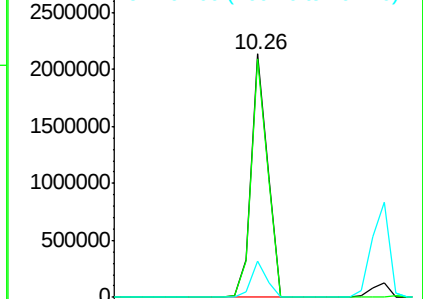
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.05 ng

RT: 10.04 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Tgt Ion:232 Resp: 687436

Ion Ratio Lower Upper

232 100

131 50.1 42.5 63.7

130 3.4 2.2 3.4#

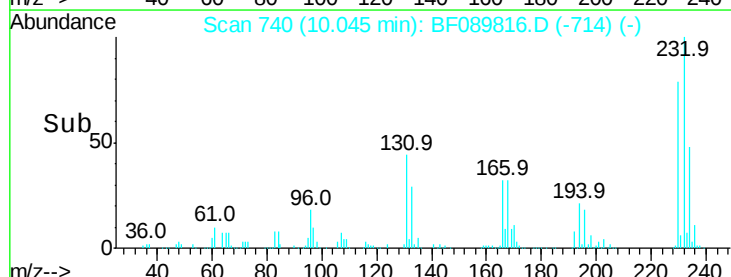
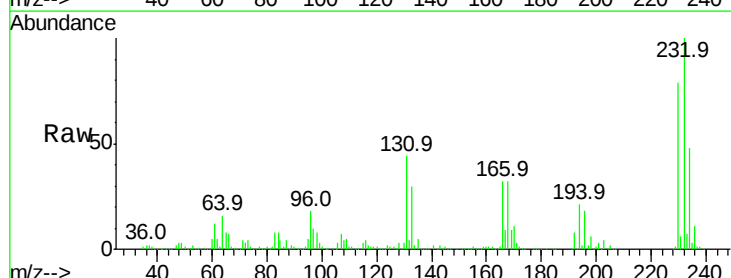
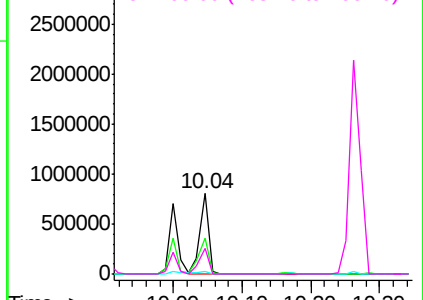
166 33.9 27.3 40.9

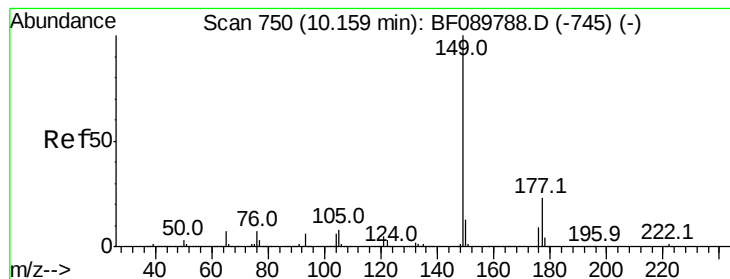
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 48.79 ng

RT: 10.16 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion:149 Resp: 3186346

Ion Ratio Lower Upper

149 100

177 23.6 16.6 25.0

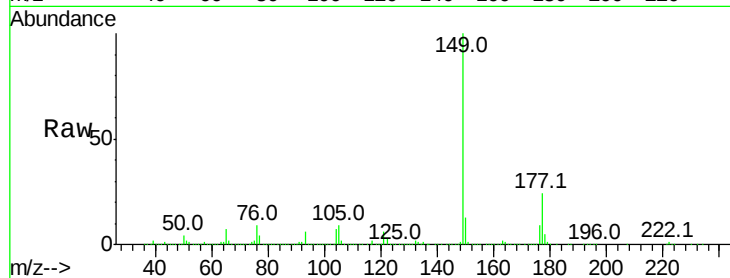
150 13.4 10.5 15.7

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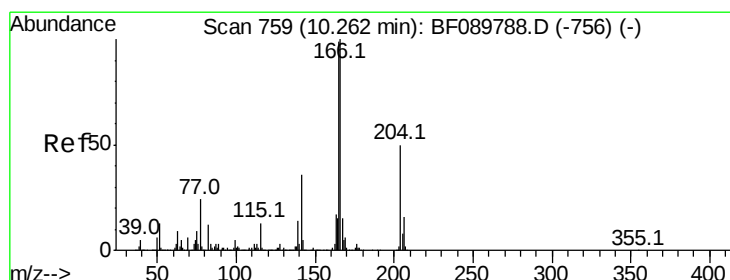
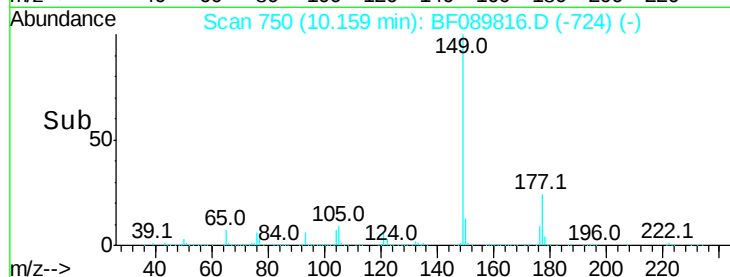
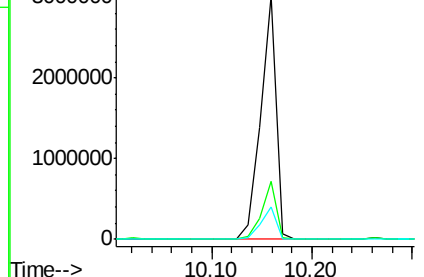
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 42.40 ng

RT: 10.26 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

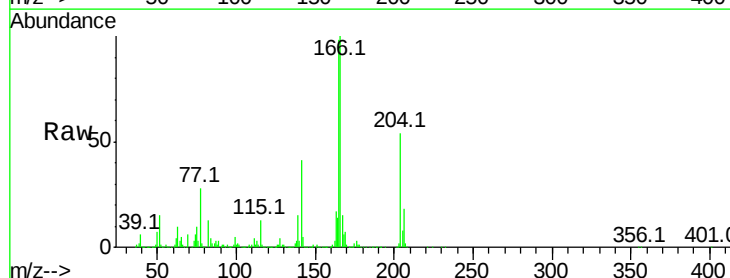
Tgt Ion:204 Resp: 1075397

Ion Ratio Lower Upper

204 100

206 33.1 26.5 39.7

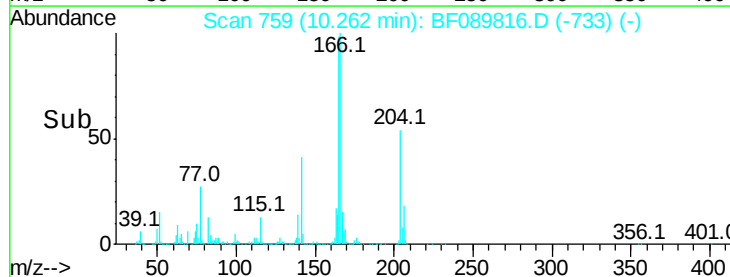
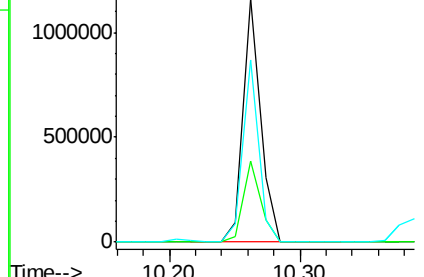
141 74.7 54.1 81.1

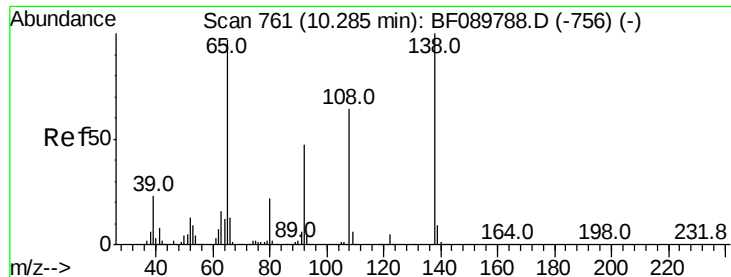


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





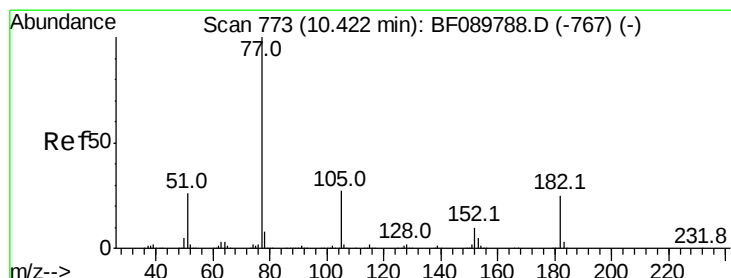
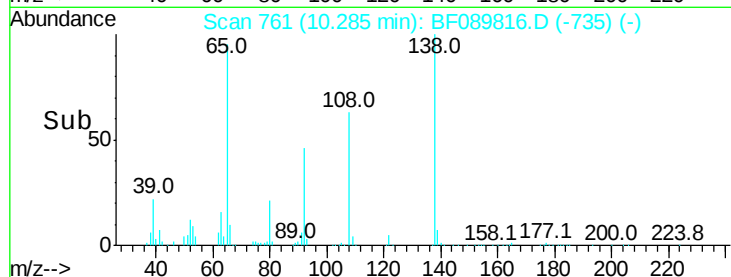
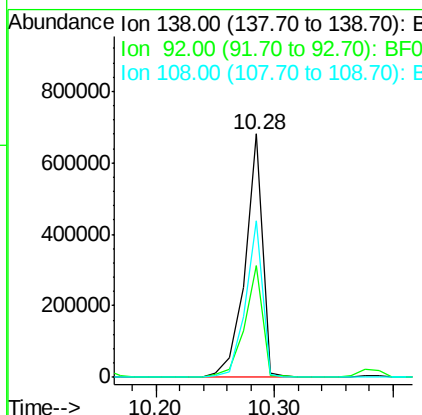
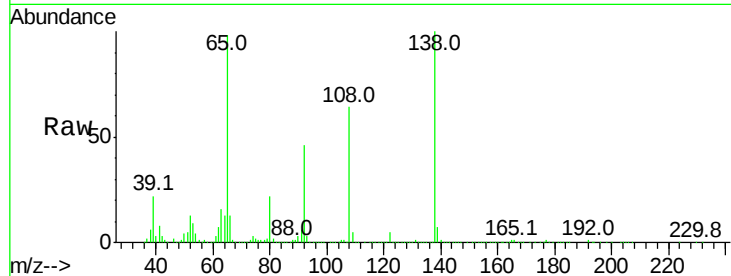
#61
4-Nitroaniline
Concen: 45.36 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	46.2	26.4	66.4
108	64.3	47.0	87.0

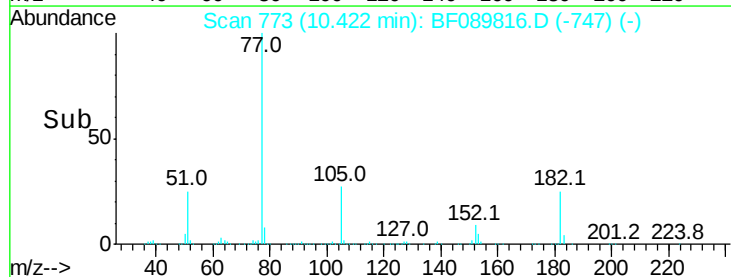
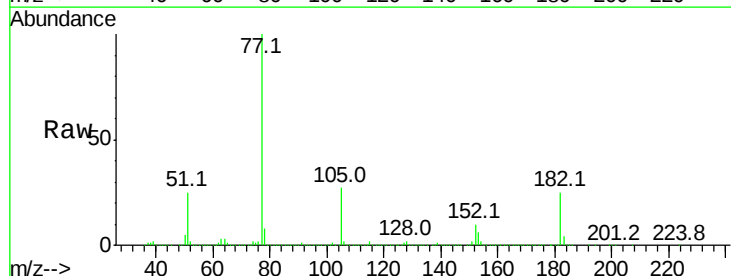
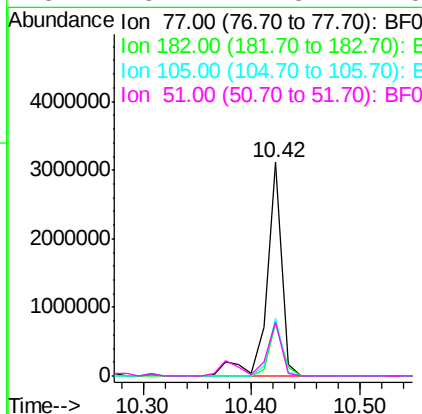
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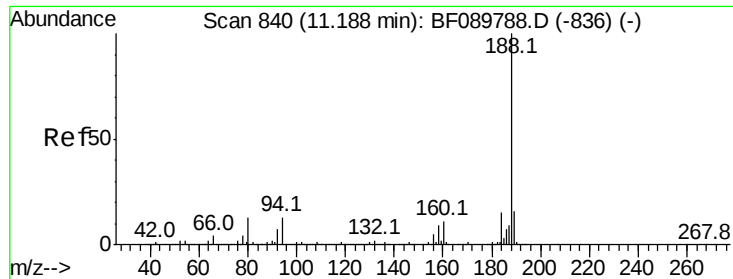
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#62
Azobenzene
Concen: 49.47 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.8	5.6	45.6
105	27.1	4.0	44.0
51	25.4	7.8	47.8





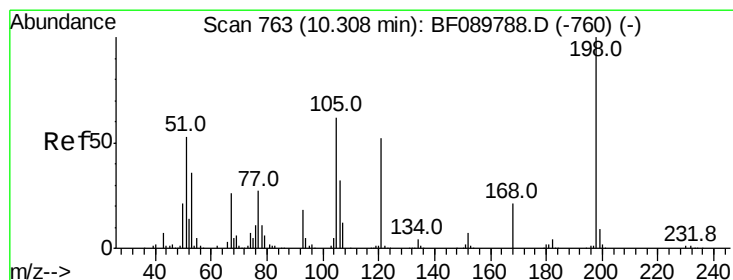
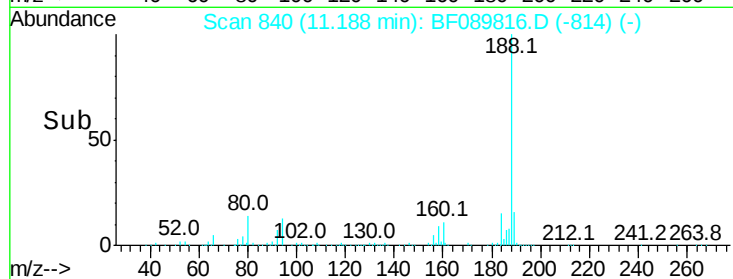
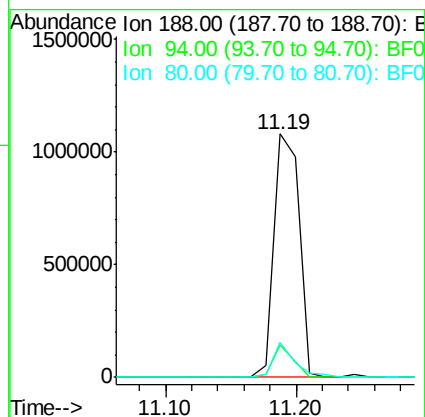
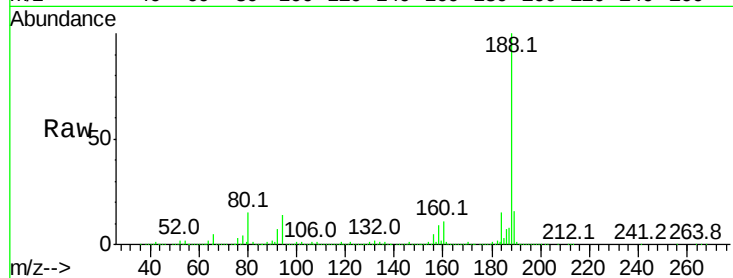
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
188	100		
94	13.5	10.2	15.2
80	14.5	10.9	16.3

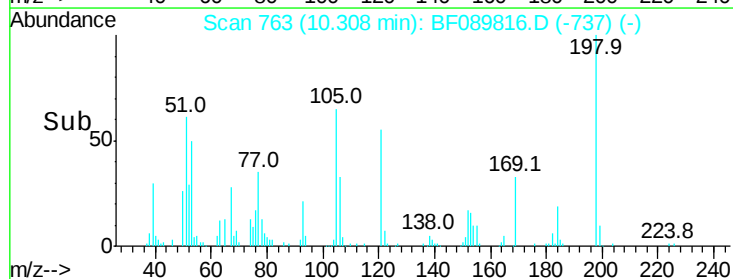
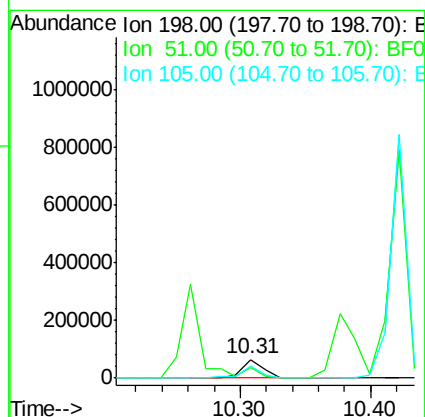
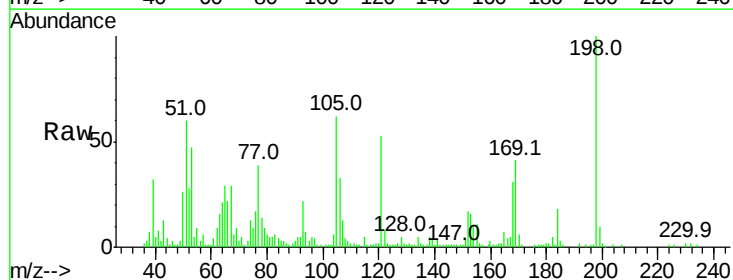
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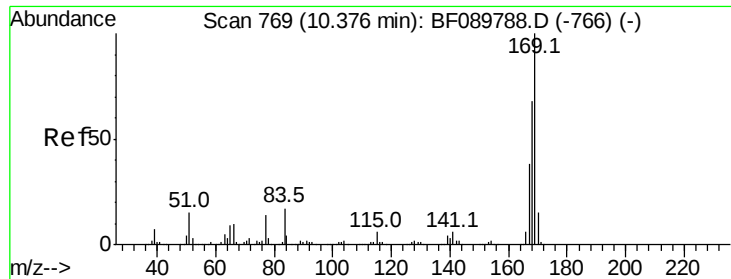
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#64
4,6-Dinitro-2-methylphenol
Concen: 8.84 ng
RT: 10.31 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
198	100		
51	60.4	32.3	72.3
105	61.6	32.9	72.9





#65

n-Nitrosodiphenylamine

Concen: 55.63 ng

RT: 10.39 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion:169 Resp: 2565385

Ion Ratio Lower Upper

169 100

168 68.9 54.6 82.0

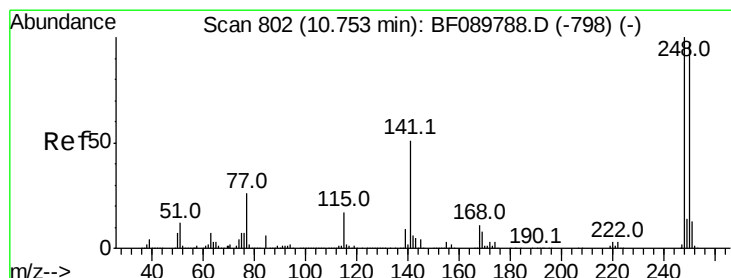
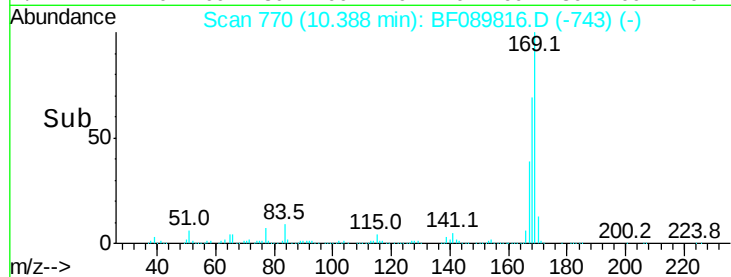
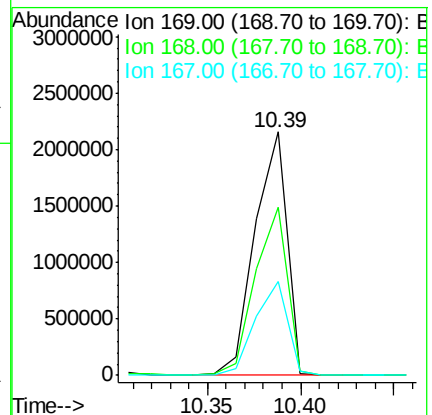
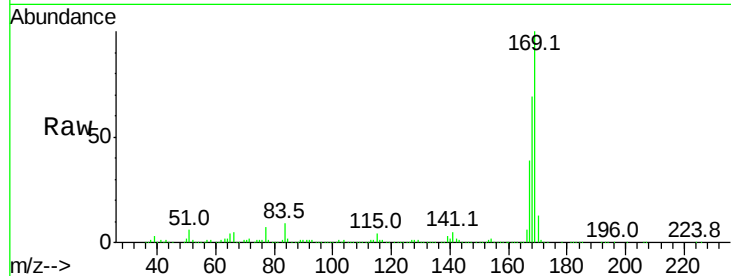
167 38.7 30.6 45.8

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#66

4-Bromophenyl-phenylether

Concen: 51.97 ng

RT: 10.75 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

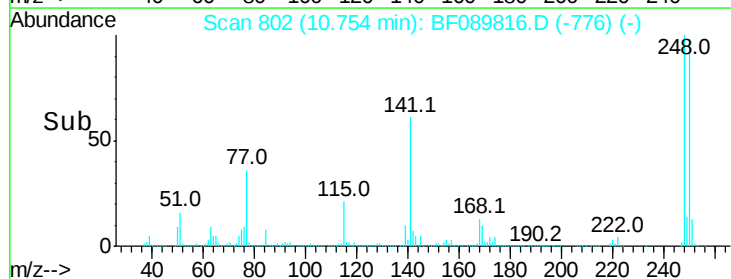
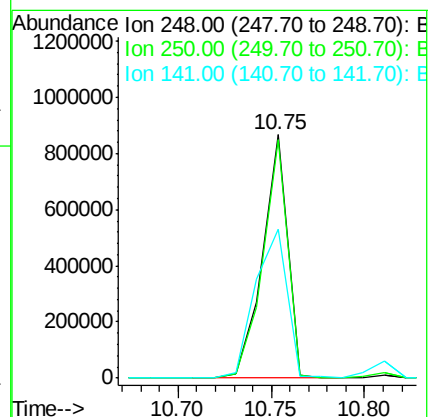
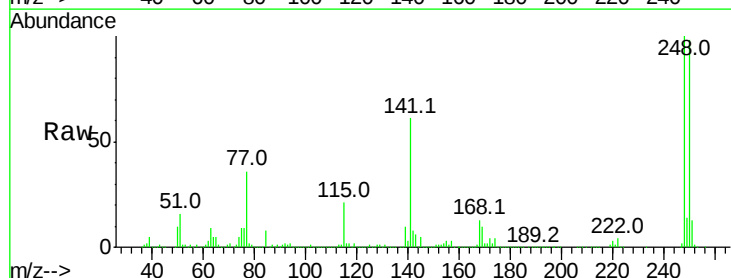
Tgt Ion:248 Resp: 799103

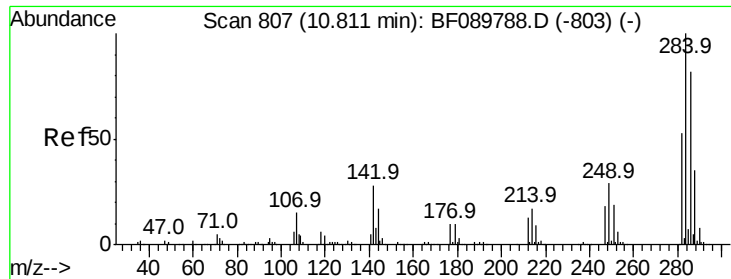
Ion Ratio Lower Upper

248 100

250 97.9 78.6 117.8

141 61.3 31.4 47.2#





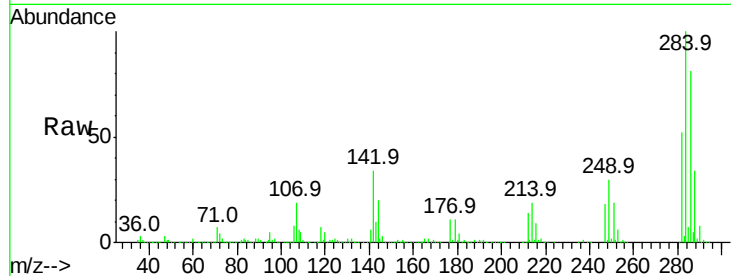
#67
Hexachlorobenzene
Concen: 46.99 ng
RT: 10.81 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

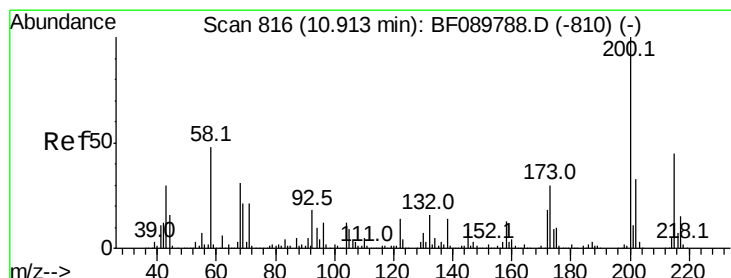
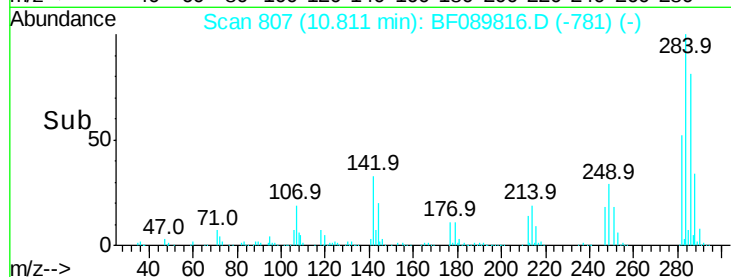
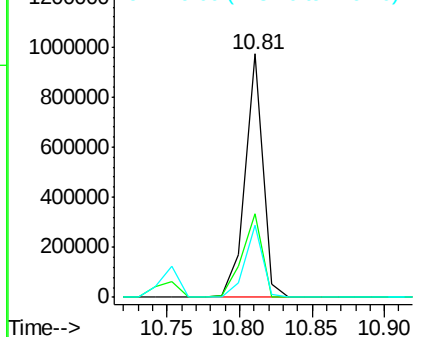
Tot Ion	Ratio	Resp	Lower	Upper
284	100	824274		
142	34.1	17.4	26.2	#
249	29.5	22.8	34.2	

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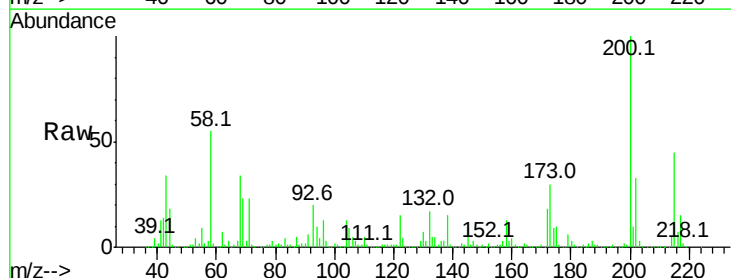


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

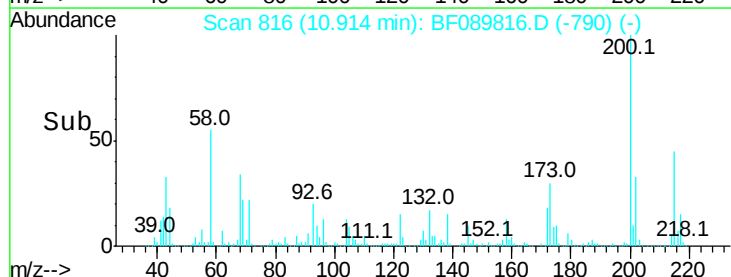
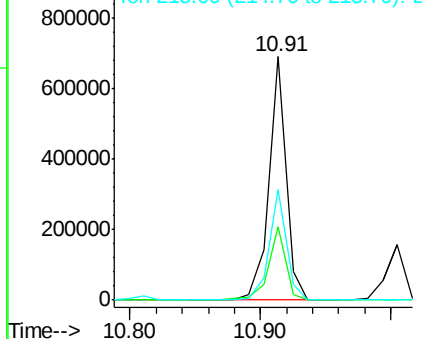


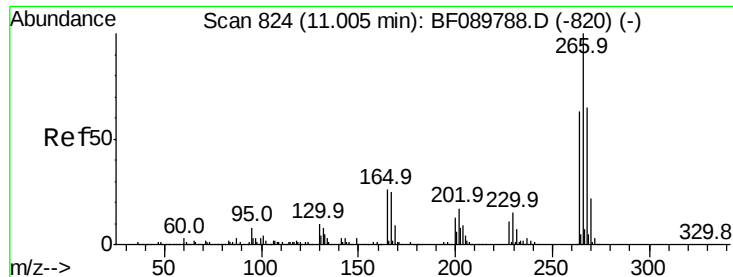
#68
Atrazine
Concen: 45.39 ng
RT: 10.91 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	641069		
173	30.0	6.6	46.6	
215	45.2	24.7	64.7	



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





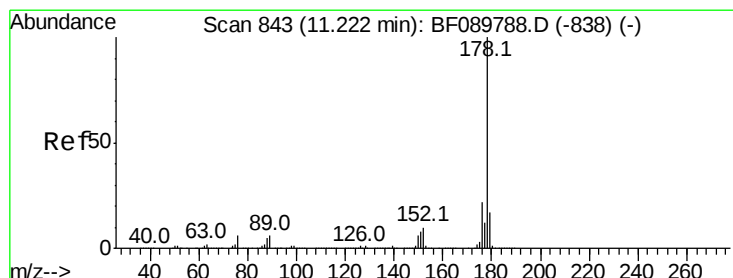
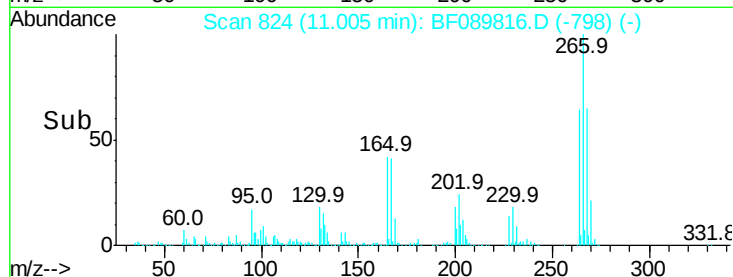
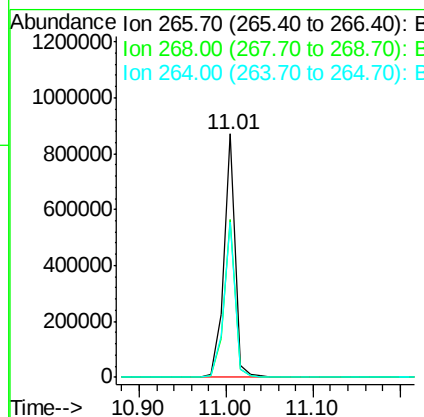
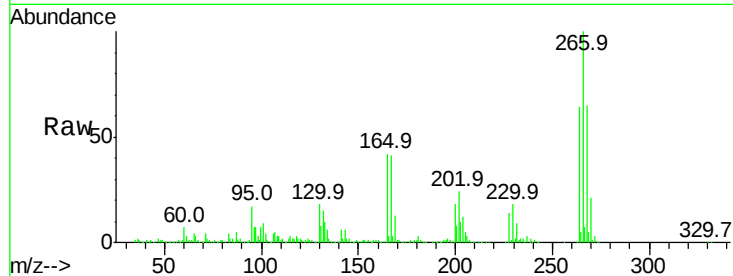
#69
 Pentachlorophenol
 Concen: 81.04 ng
 RT: 11.01 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampled :
 A-2(8-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	805711		
268	64.6	53.2	79.8	
264	63.9	51.1	76.7	

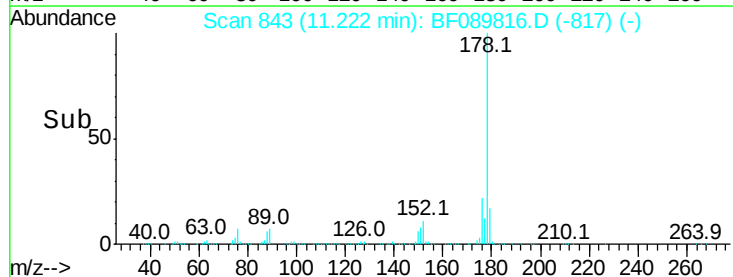
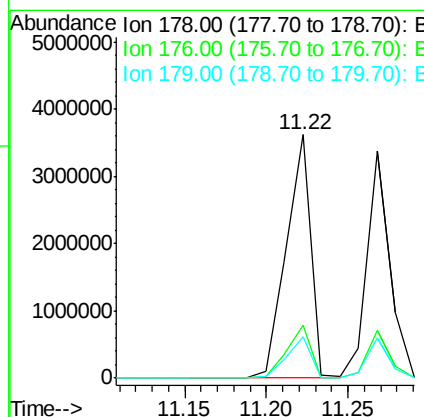
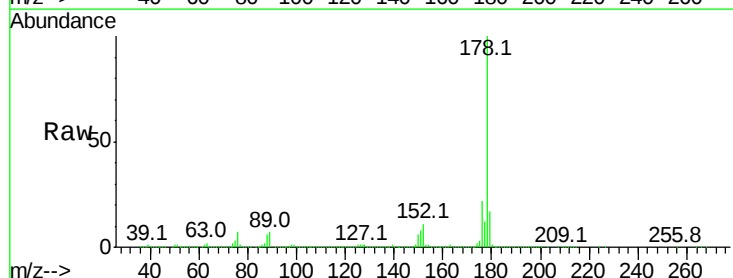
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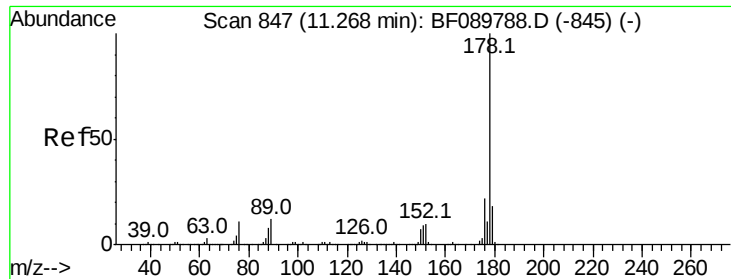
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#70
 Phenanthrene
 Concen: 51.03 ng
 RT: 11.22 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3779523		
176	21.7	16.4	24.6	
179	17.1	12.5	18.7	





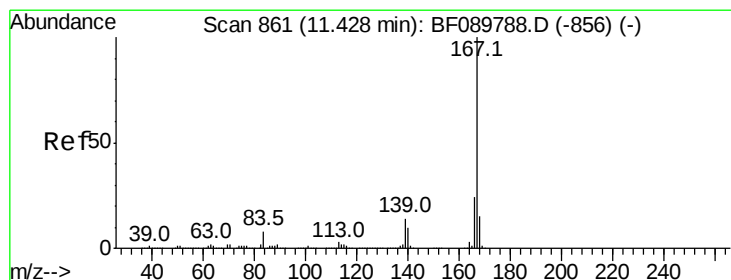
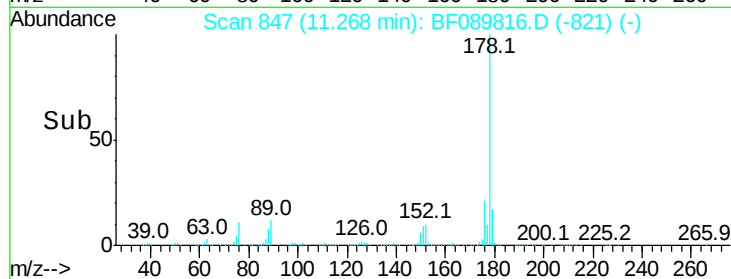
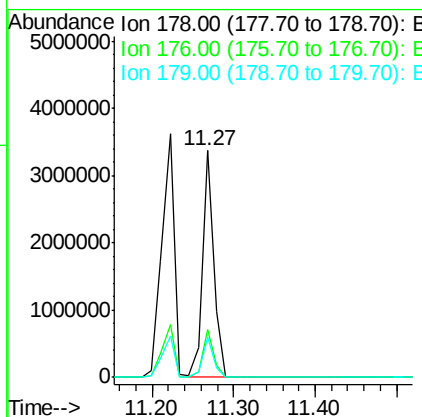
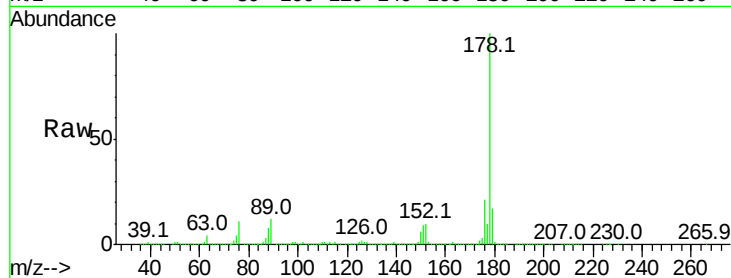
#71
 Anthracene
 Concen: 44.03 ng
 RT: 11.27 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion:178 Resp: 3315538
 Ion Ratio Lower Upper
 178 100
 176 21.2 16.4 24.6
 179 17.4 13.1 19.7

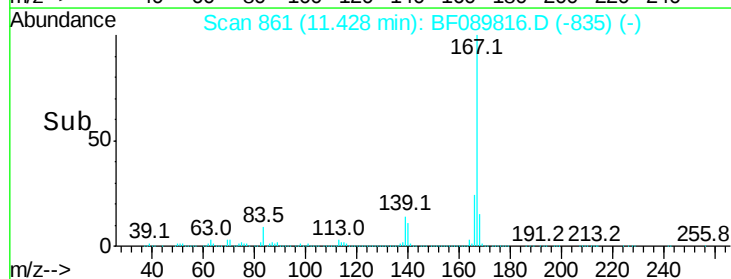
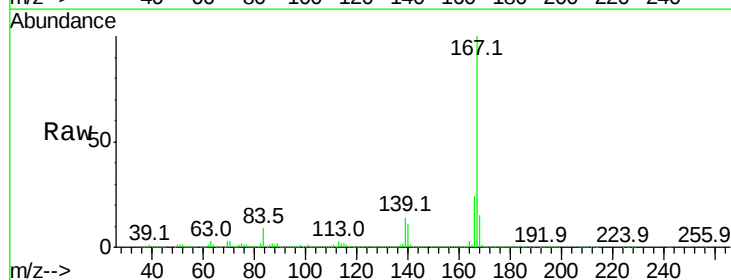
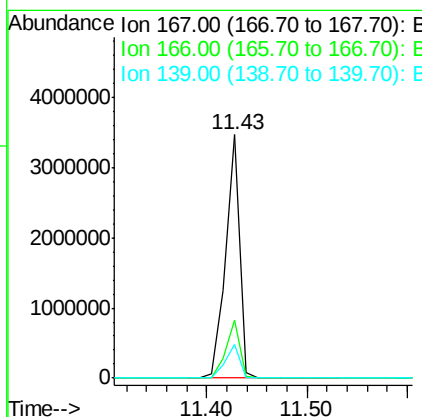
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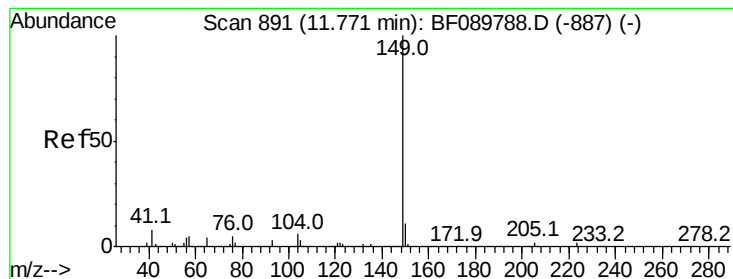
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#72
 Carbazole
 Concen: 49.54 ng
 RT: 11.43 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion:167 Resp: 3345734
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.9 26.9
 139 14.0 12.4 18.6





#73

Di-n-butylphthalate

Concen: 50.97 ng

RT: 11.78 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

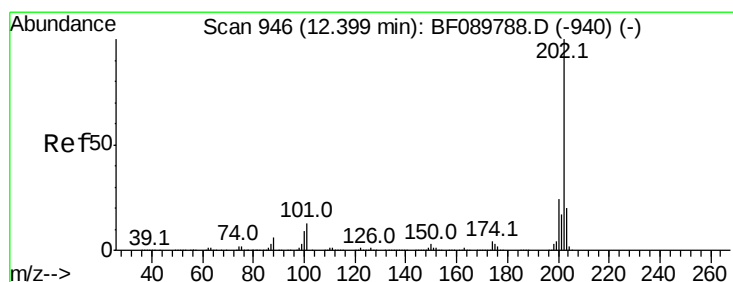
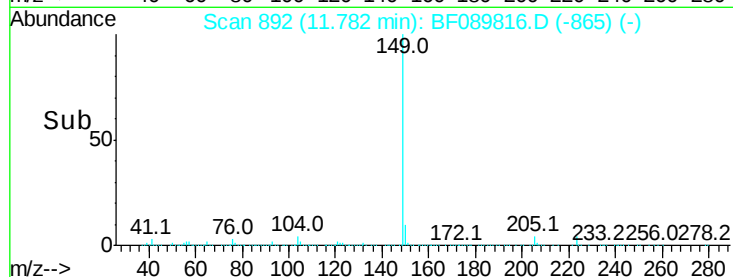
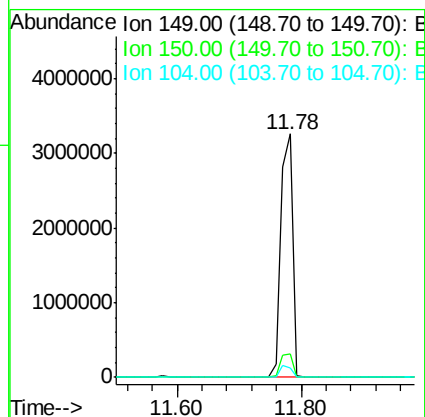
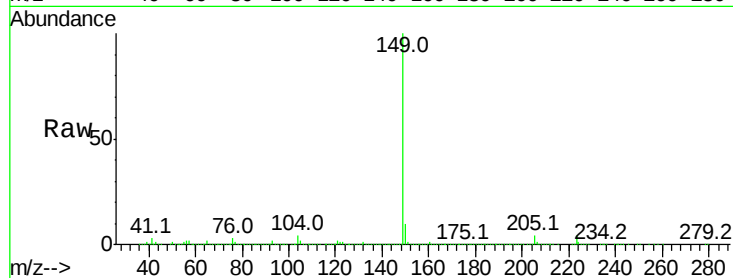
ClientSampleId :

A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.9	11.9
104	3.8	4.3	6.5

Manual Integrations
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#74

Fluoranthene

Concen: 40.20 ng

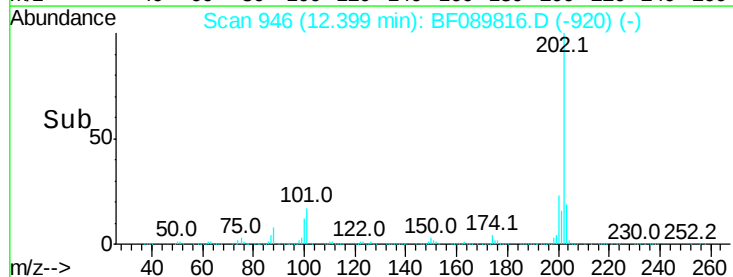
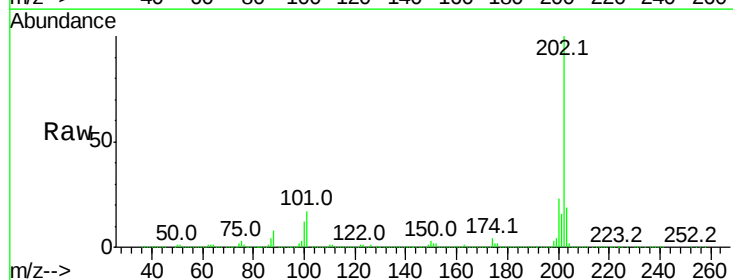
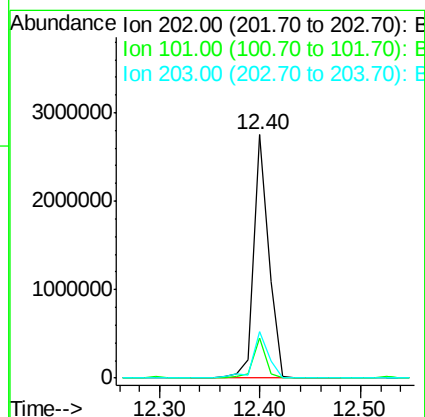
RT: 12.40 min Scan# 946

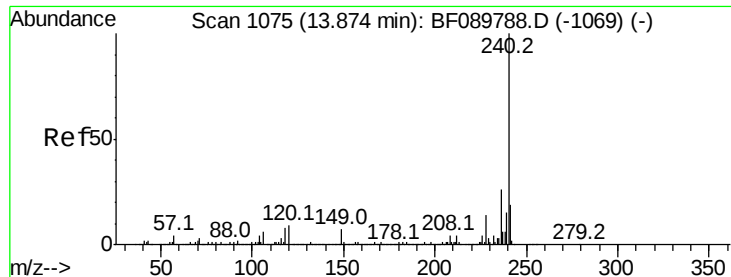
Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.6	0.0	31.2
203	19.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

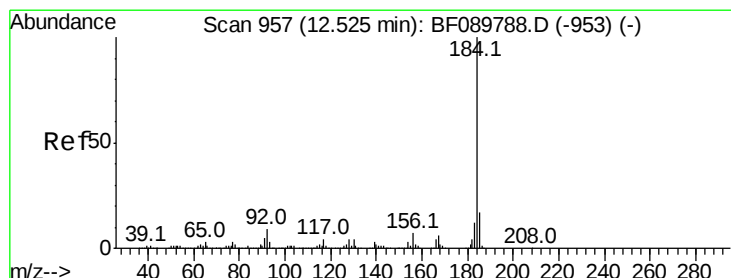
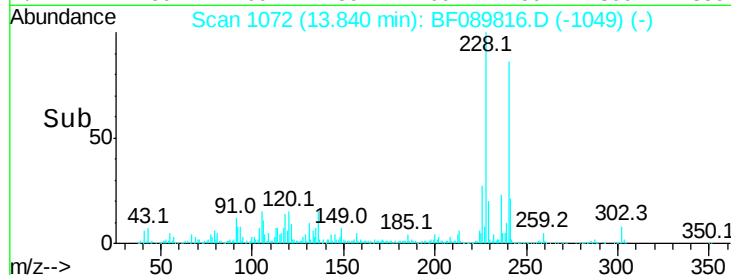
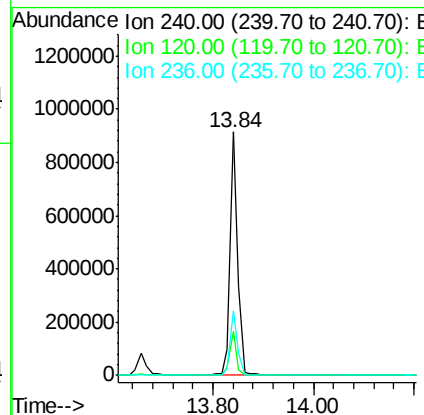
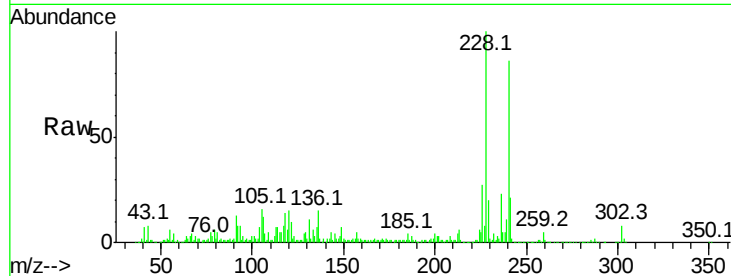
ClientSampleId :

A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.8	8.3	12.5#
236	26.5	21.3	31.9

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#76

Benzidine

Concen: 45.28 ng

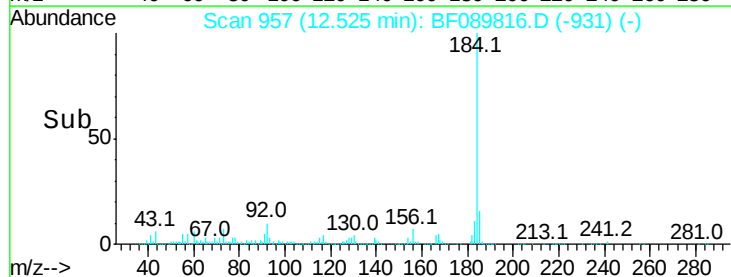
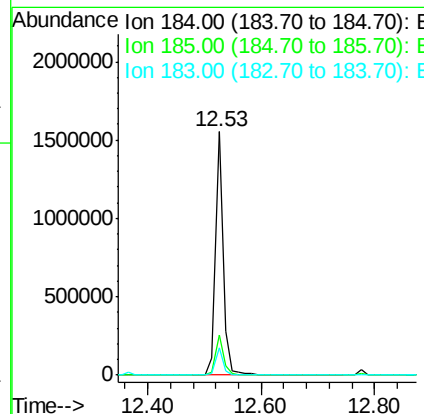
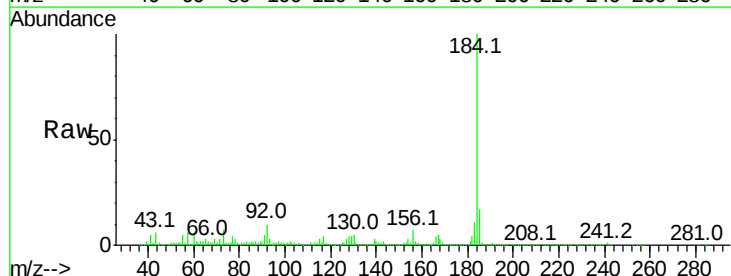
RT: 12.53 min Scan# 957

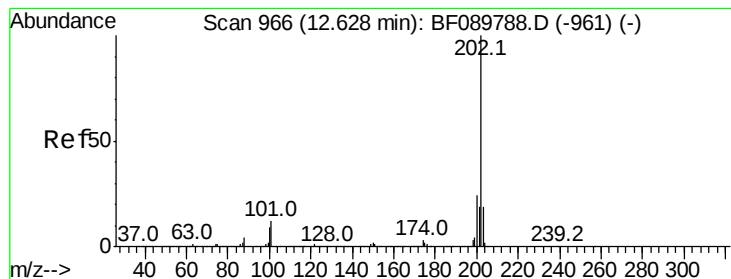
Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.6	13.8	20.8
183	11.4	9.7	14.5





#77

Pvrene

Concen: 41.81 ng

RT: 12.63 min Scan# 966

Delta R.T. 0.00 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion:202 Resp: 3234336

Ion Ratio Lower Upper

202 100

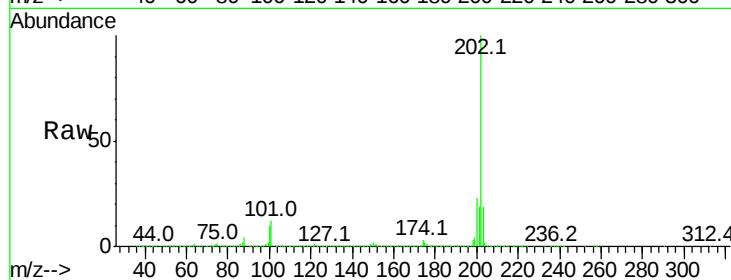
200 23.4 17.8 26.6

203 19.1 14.2 21.4

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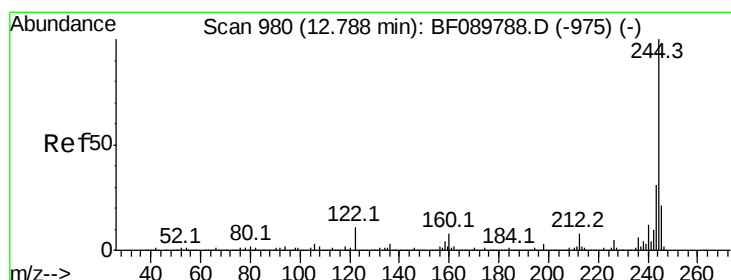
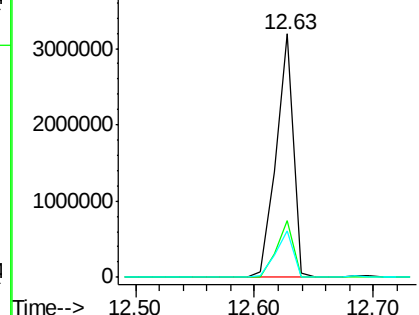
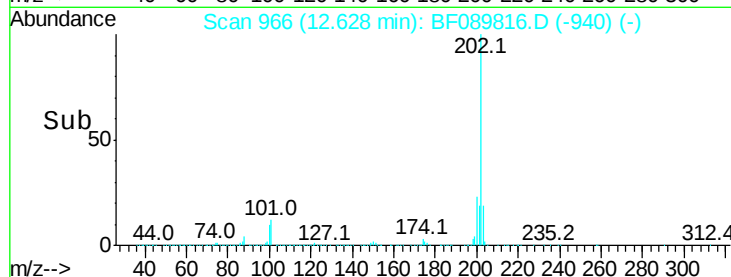
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 49.19 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

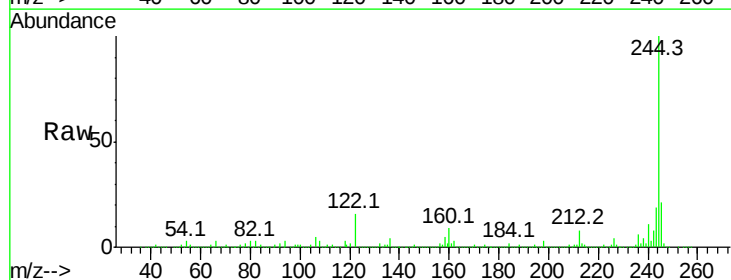
Tgt Ion:244 Resp: 2065446

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

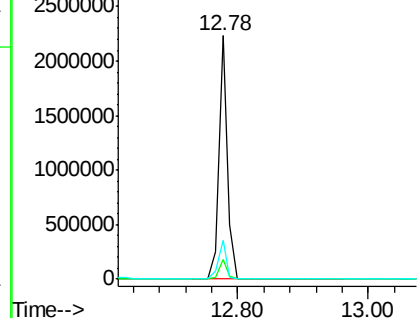
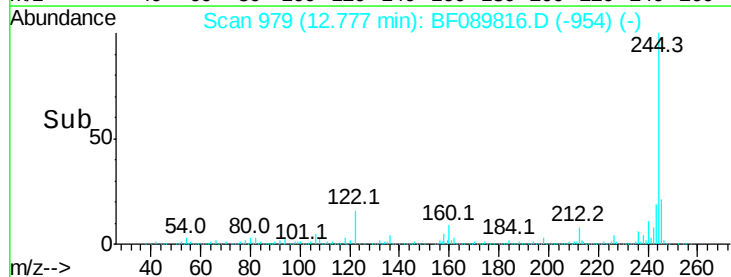
122 16.1 12.0 18.0

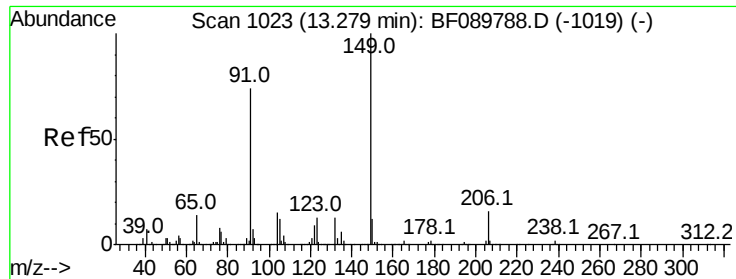


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





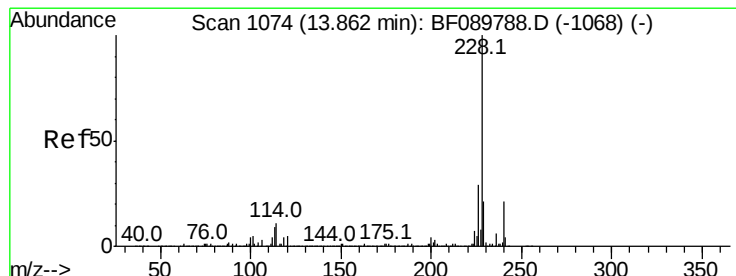
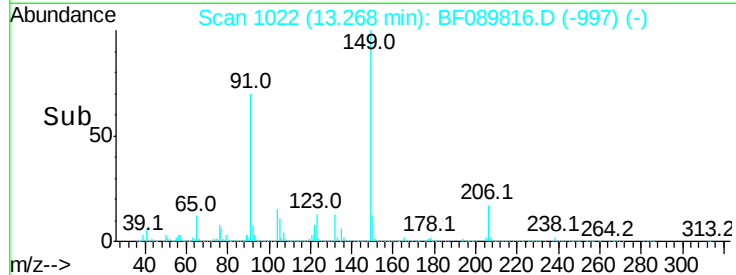
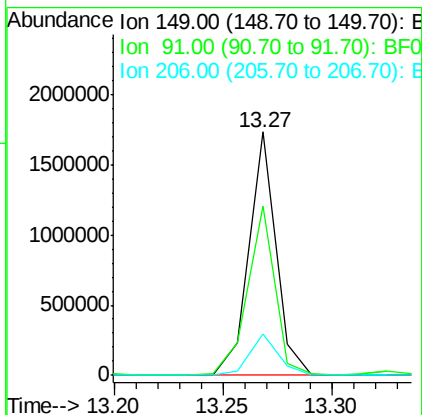
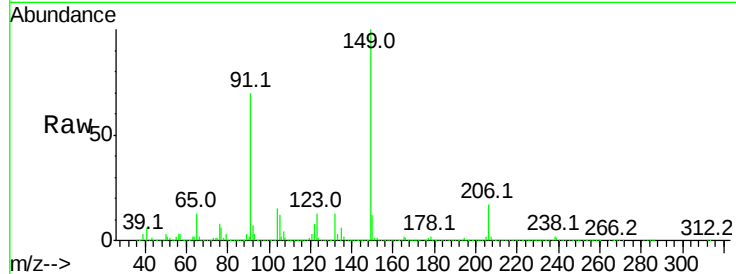
#79
Butylbenzylphthalate
Concen: 42.95 ng
RT: 13.27 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	69.7	50.7	76.1
206	16.8	15.5	23.3

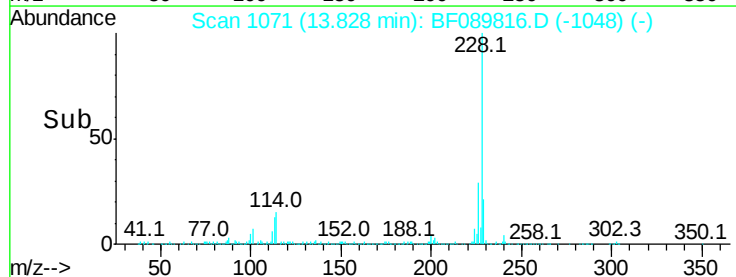
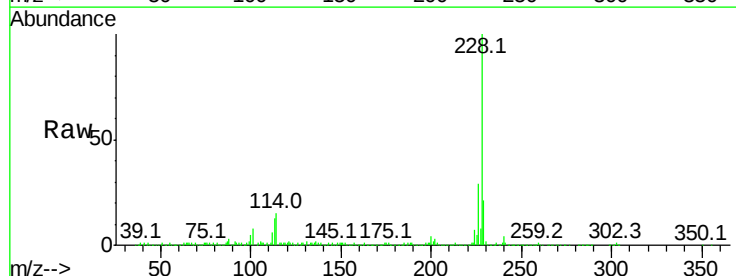
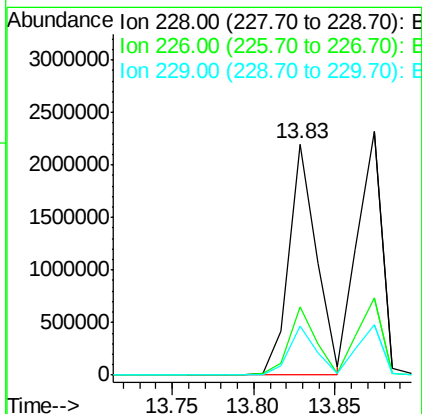
Manual Integrations
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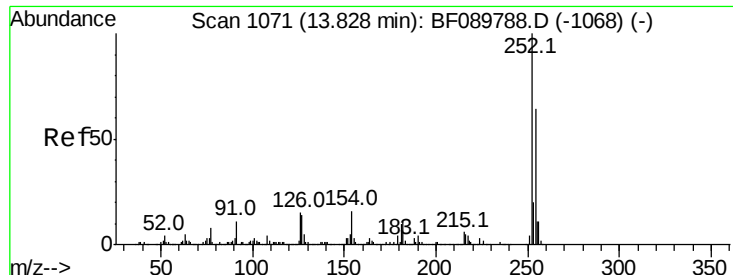
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#80
Benzo(a)anthracene
Concen: 47.41 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.03 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	21.5	16.2	24.4





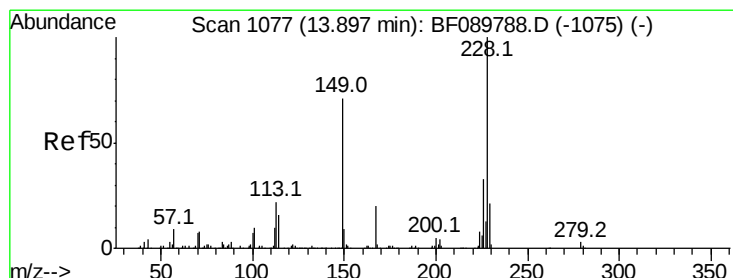
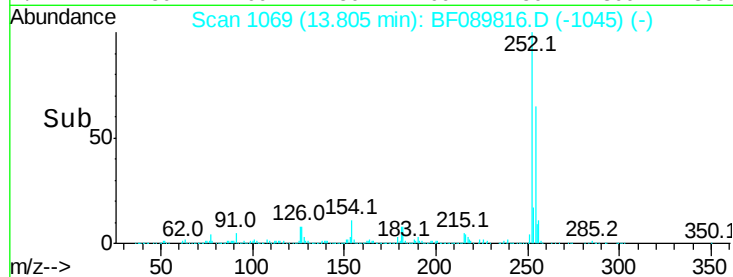
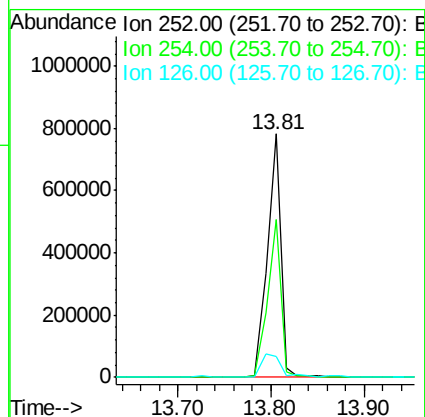
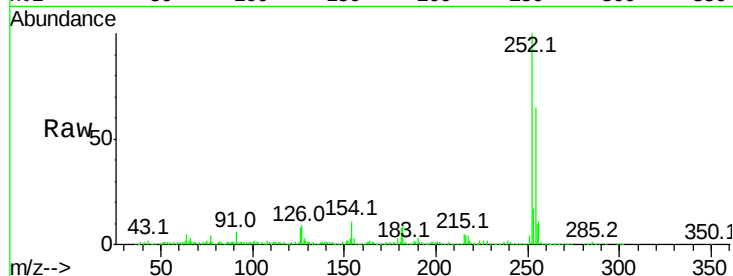
#81
 3,3'-Dichlorobenzidine
 Concen: 44.85 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.0	50.6	75.8
126	8.4	12.6	18.8

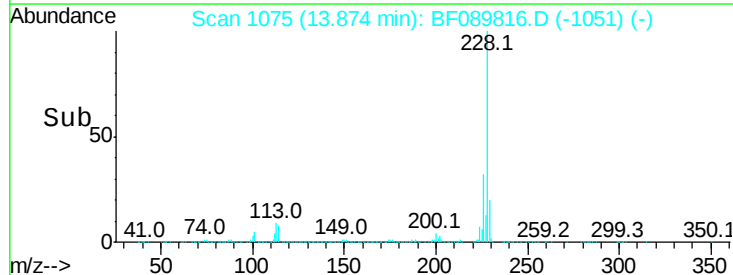
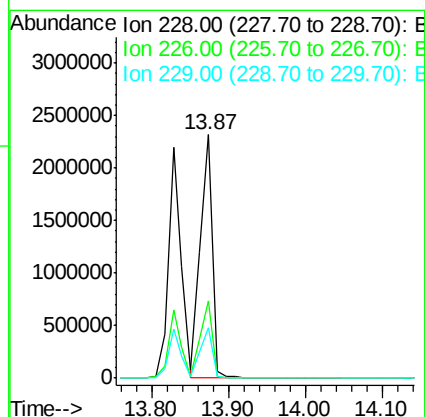
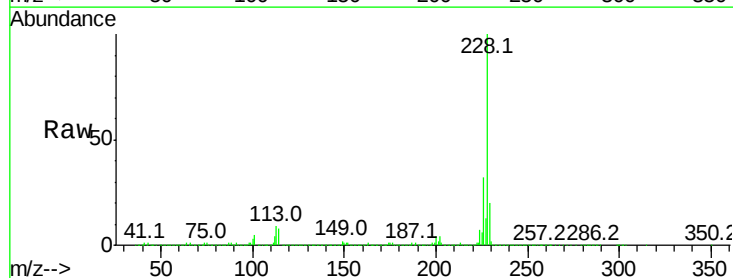
Manual Integrations
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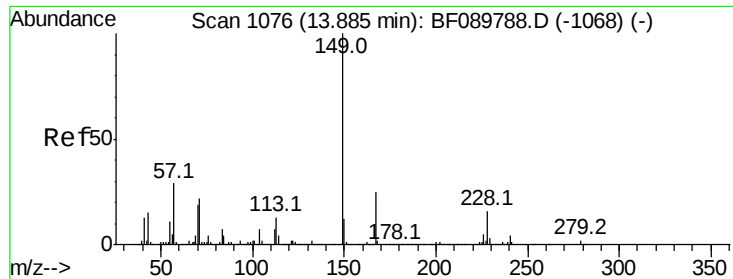
sohil
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#82
 Chrysene
 Concen: 53.43 ng
 RT: 13.87 min Scan# 1075
 Delta R.T. -0.02 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.4	38.0
229	20.5	16.5	24.7





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.83 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.02 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MSD

Tot Ion:149 Resp: 2061260

Ion Ratio Lower Upper

149 100

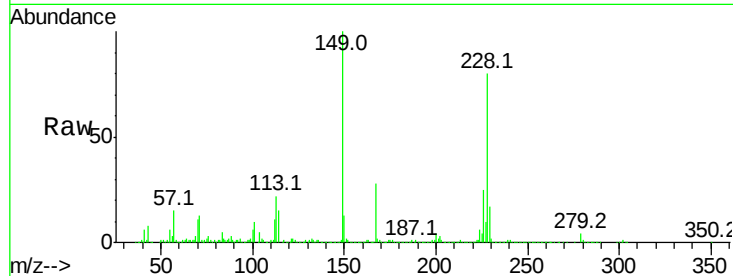
167 27.9 21.2 31.8

279 4.1 2.9 4.3

Manual Integrations
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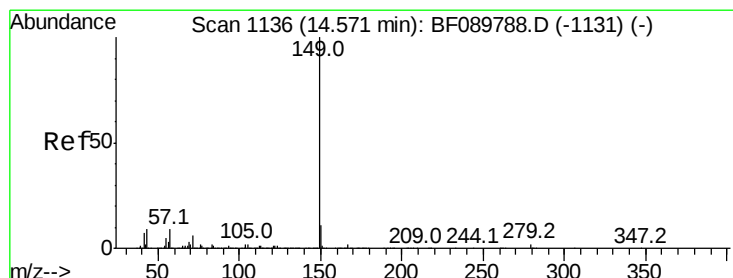
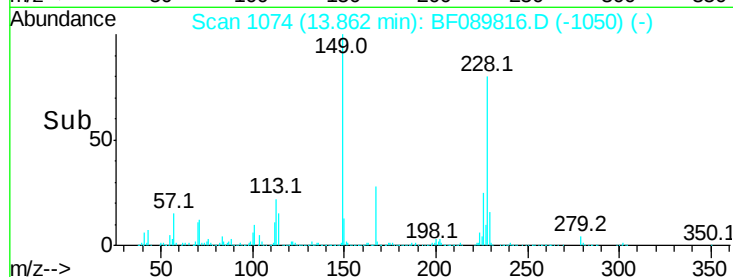
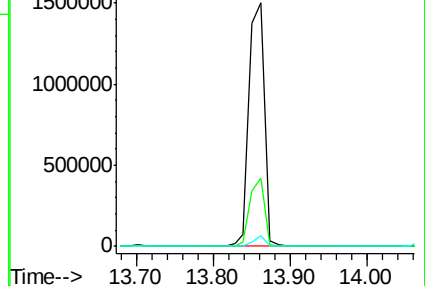
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 54.23 ng

RT: 14.51 min Scan# 1131

Delta R.T. -0.06 min

Lab File: BF089816.D

Acq: 20 Aug 2016 00:26

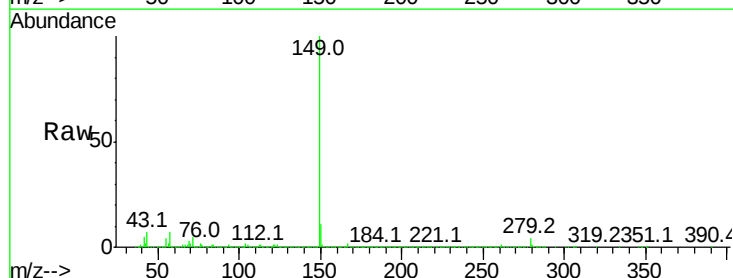
Tgt Ion:149 Resp: 3468353

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

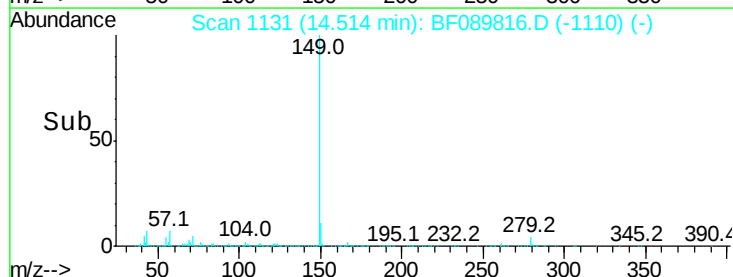
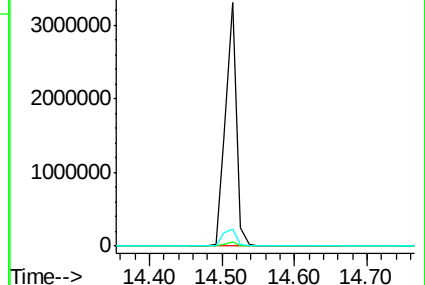
43 8.3 8.4 12.6#

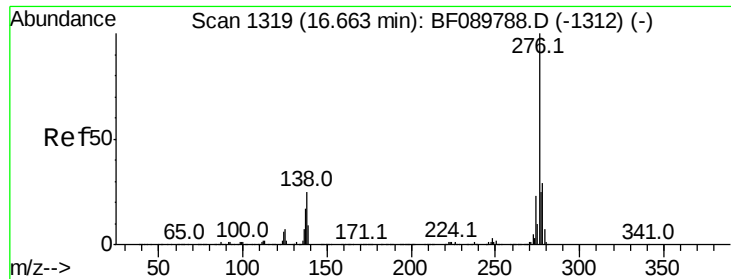


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





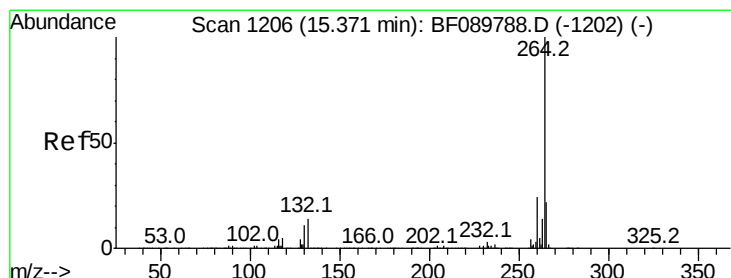
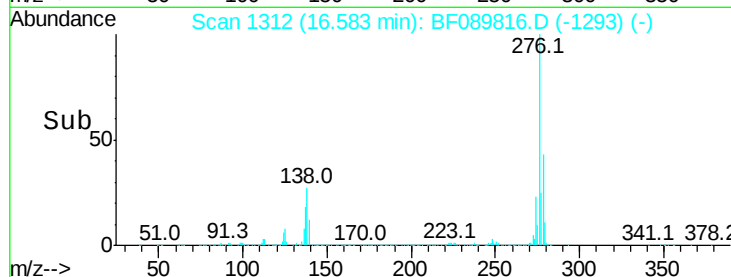
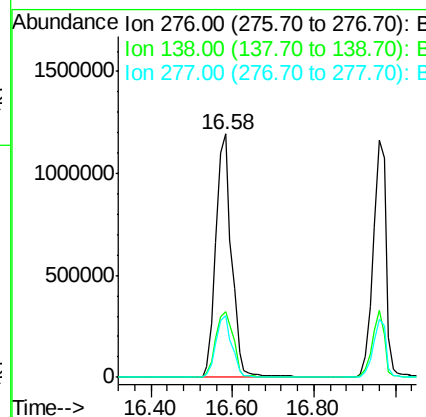
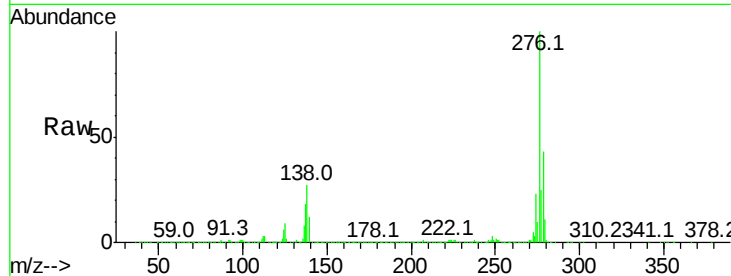
#85
Indeno(1,2,3-cd)pyrene
Concen: 53.80 ng
RT: 16.58 min Scan# 1312
Delta R.T. -0.08 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion:276 Resp: 3201391
Ion Ratio Lower Upper
276 100
138 30.2 24.6 36.8
277 25.3 20.4 30.6

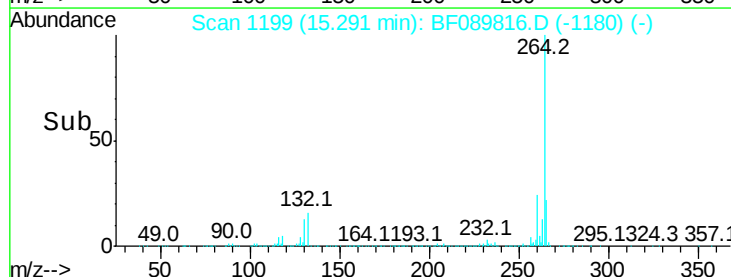
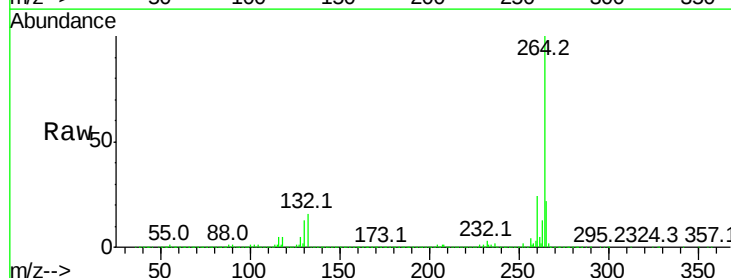
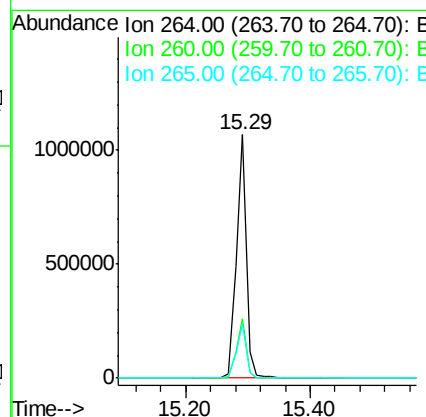
Manual Integrations
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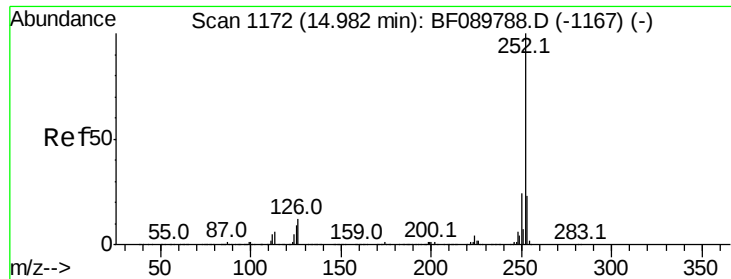
sohil
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.08 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion:264 Resp: 1190961
Ion Ratio Lower Upper
264 100
260 24.4 20.2 30.2
265 22.2 17.4 26.2





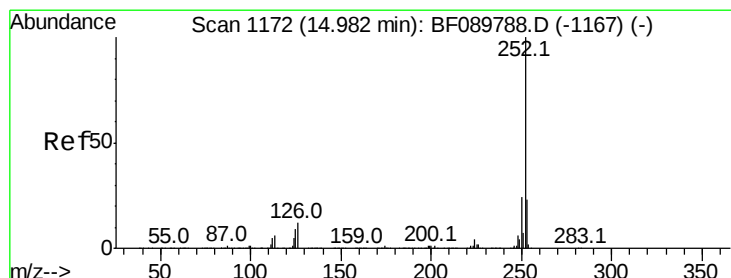
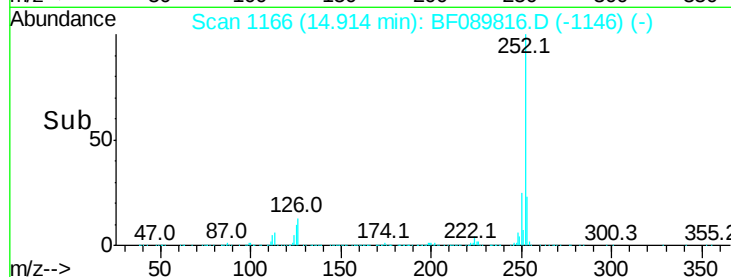
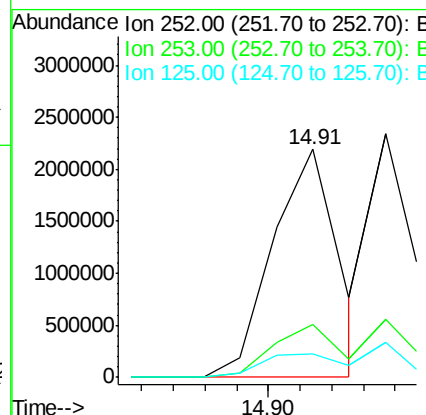
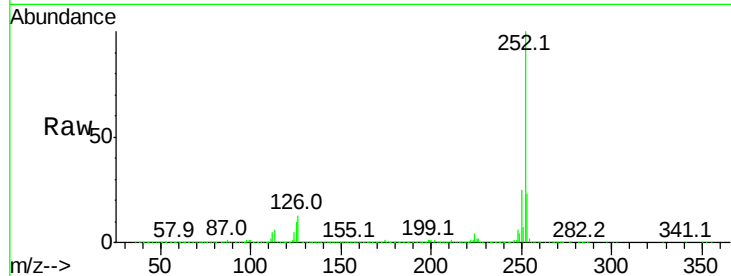
#87
Benzo(b)fluoranthene
Concen: 48.06 ng m
RT: 14.91 min Scan# 1166
Delta R.T. -0.07 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	10.2	11.4	17.2#

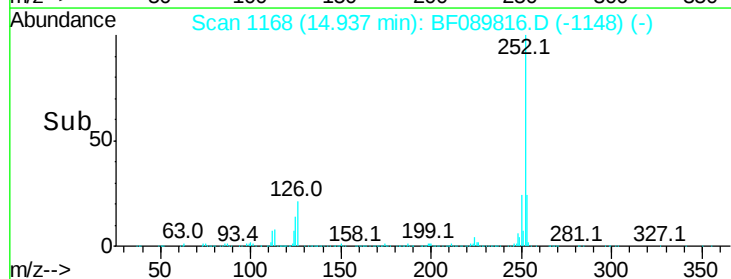
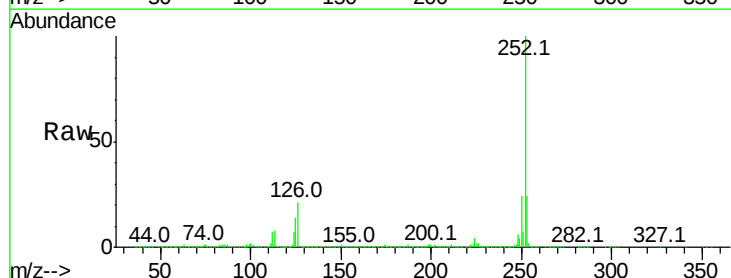
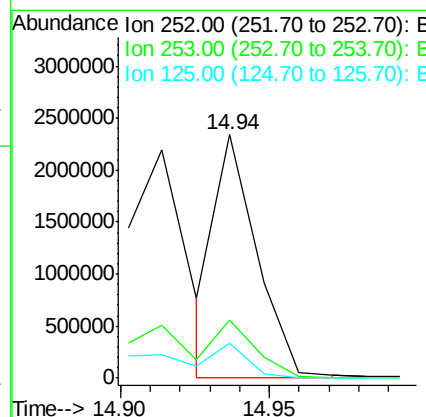
Manual Integrations
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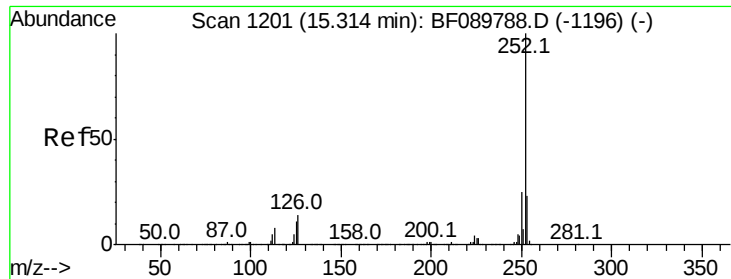
sohil
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#88
Benzo(k)fluoranthene
Concen: 38.52 ng m
RT: 14.94 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	14.3	9.8	14.6





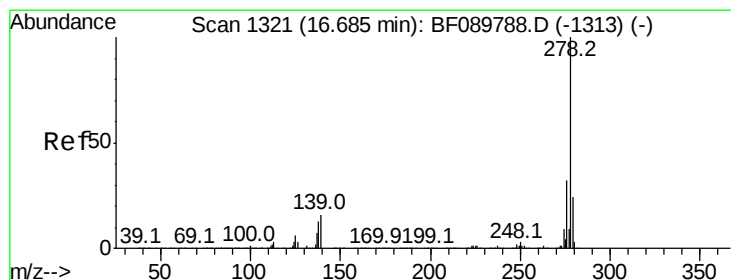
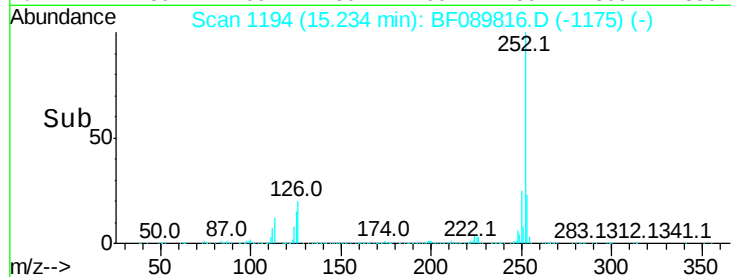
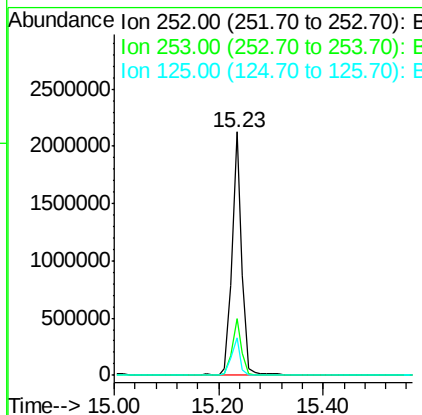
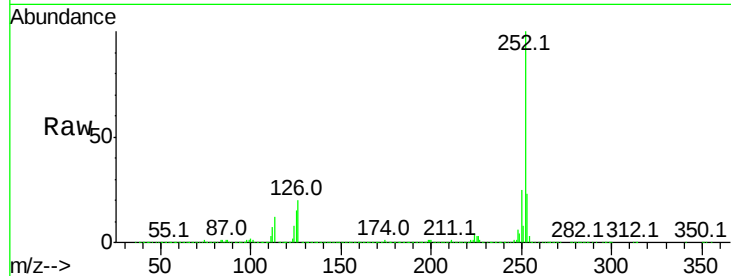
#89
Benzo(a)pyrene
Concen: 44.27 ng
RT: 15.23 min Scan# 1194
Delta R.T. -0.08 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	15.3	11.7	17.5

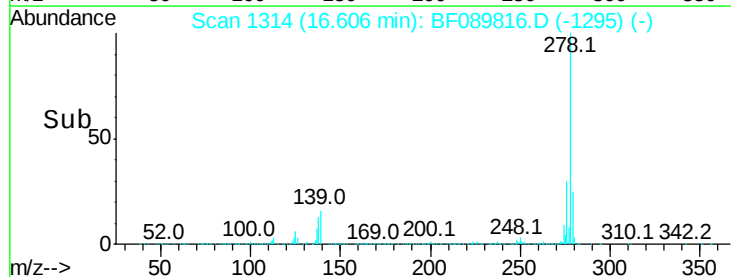
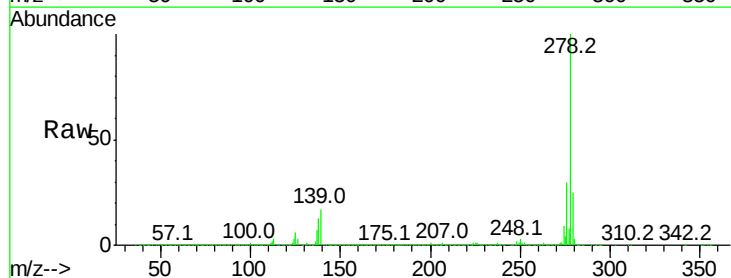
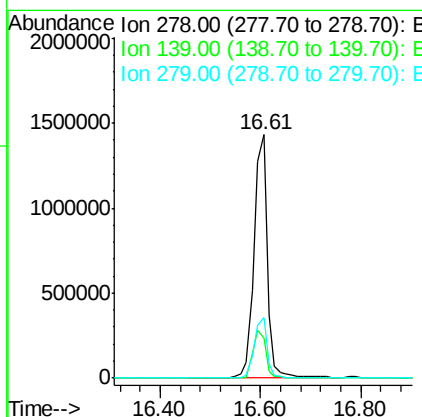
Manual Integrations
APPROVED

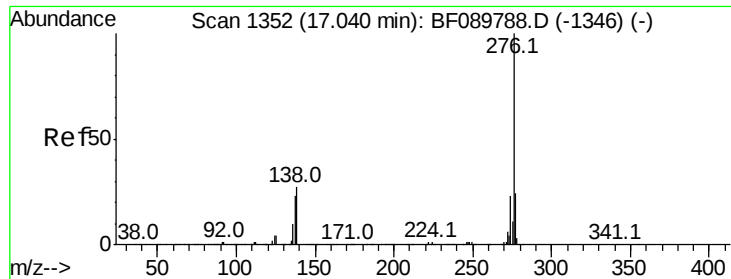
sohil
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#90
Dibenzo(a,h)anthracene
Concen: 40.02 ng
RT: 16.61 min Scan# 1314
Delta R.T. -0.08 min
Lab File: BF089816.D
Acq: 20 Aug 2016 00:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	14.9	22.3
279	24.6	19.2	28.8





#91
 Benzo(a,h,i)perylene
 Concen: 36.28 ng
 RT: 16.96 min Scan# 1345
 Delta R.T. -0.08 min
 Lab File: BF089816.D
 Acq: 20 Aug 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	28.2	22.1	33.1

Manual Integrations
 APPROVED

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