

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081716\
 Data File : BF089771.D
 Acq On : 17 Aug 2016 19:00
 Operator : UM/SJ
 Sample : H4429-02MSD
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MSD

Manual Integrations
 APPROVED

sohil
 8/18/2016 5:59:22 PM

Quant Time: Aug 18 15:36:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	698706	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2816677	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1302346	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2441724	20.00	ng	0.00
75) Chrysene-d12	13.85	240	1810346	20.00	ng	-0.05
86) Perylene-d12	15.28	264	1959587	20.00	ng	-0.13

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	4337482	103.58	ng	0.01
7) Phenol-d6	6.34	99	5852964	109.88	ng	0.01
23) Nitrobenzene-d5	7.27	82	3337547	72.35	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	1379653	109.50	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	5651593	69.63	ng	0.00
78) Terphenyl-d14	12.81	244	4740594	78.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	691070	31.97	ng	98
3) Pyridine	2.90	79	1944376	34.90	ng	97
4) n-Nitrosodimethylamine	2.87	42	854825	38.23	ng	# 85
6) Aniline	6.36	93	1189024	16.61	ng	# 78
8) 2-Chlorophenol	6.49	128	1961247	39.37	ng	# 77
9) Benzaldehyde	6.24	77	701434	19.87	ng	85
10) Phenol	6.35	94	2009899	30.32	ng	98
11) bis(2-Chloroethyl)ether	6.44	93	1932999	39.35	ng	99
12) 1,3-Dichlorobenzene	6.64	146	1945528	36.54	ng	96
13) 1,4-Dichlorobenzene	6.72	146	2092918	38.80	ng	96
14) 1,2-Dichlorobenzene	6.87	146	1811111m	35.22	ng	
15) Benzyl Alcohol	6.84	79	1520161	42.71	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.99	45	2294833	35.61	ng	93
17) 2-Methylphenol	6.97	107	1725399	43.60	ng	96
18) Hexachloroethane	7.21	117	782590	39.59	ng	# 85
19) n-Nitroso-di-n-propylamine	7.13	70	1273768	36.51	ng	94
20) 3+4-Methylphenols	7.12	107	1983465	39.14	ng	# 86
22) Acetophenone	7.12	105	2354782	35.97	ng	# 92
24) Nitrobenzene	7.29	77	2240991	43.19	ng	90
25) Isophorone	7.53	82	3725556	40.37	ng	96
26) 2-Nitrophenol	7.61	139	1045728	42.83	ng	93
27) 2,4-Dimethylphenol	7.66	122	1990109	43.00	ng	99
28) bis(2-Chloroethoxy)methane	7.75	93	2244167	40.01	ng	97
29) 2,4-Dichlorophenol	7.85	162	1707194	44.31	ng	98
30) 1,2,4-Trichlorobenzene	7.93	180	1604935	38.80	ng	99
31) Naphthalene	8.01	128	5136309	40.63	ng	95
33) 4-Chloroaniline	8.06	127	526550	9.00	ng	# 89
34) Hexachlorobutadiene	8.14	225	849276	39.09	ng	99
35) Caprolactam	8.43	113	520013m	43.79	ng	
36) 4-Chloro-3-methylphenol	8.55	107	1785186	42.56	ng	92
37) 2-Methylnaphthalene	8.71	142	3638046	42.28	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	1136443	27.14	ng	99
40) Hexachlorocyclopentadiene	8.87	237	1459579	78.22	ng	96
42) 2,4,6-Trichlorophenol	8.98	196	1178022	43.56	ng	100

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 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.03	196	1058024	41.03	nq	# 92
45) 1,1'-Biphenyl	9.16	154	3434786	31.84	nq	99
46) 2-Chloronaphthalene	9.19	162	3044862	37.67	nq	98
47) 2-Nitroaniline	9.29	65	1126480	45.74	nq	# 63
48) Acenaphthylene	9.60	152	4801114	38.59	nq	97
49) Dimethylphthalate	9.48	163	5703542	60.52	nq	# 97
50) 2,6-Dinitrotoluene	9.53	165	879496	41.24	nq	# 83
51) Acenaphthene	9.77	154	3002099	35.76	nq	99
52) 3-Nitroaniline	9.69	138	400882	16.17	nq	100
53) 2,4-Dinitrophenol	9.79	184	138830	16.03	nq	94
54) Dibenzofuran	9.94	168	4390677	42.49	nq	99
55) 4-Nitrophenol	9.86	139	1425890	74.74	nq	90
56) 2,4-Dinitrotoluene	9.93	165	1056976	38.55	nq	# 64
57) Fluorene	10.28	166	2985678	35.77	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.07	232	919014	45.63	nq	97
59) Diethylphthalate	10.18	149	3955823	41.40	nq	95
60) 4-Chlorophenyl-phenylether	10.28	204	1343830	32.79	nq	95
61) 4-Nitroaniline	10.31	138	874882	36.34	nq	96
62) Azobenzene	10.44	77	4114890	45.58	nq	97
64) 4,6-Dinitro-2-methylphenol	10.33	198	368776	26.01	nq	# 73
65) n-Nitrosodiphenylamine	10.41	169	3313338	43.24	nq	99
66) 4-Bromophenyl-phenylether	10.78	248	1031709	40.80	nq	# 93
67) Hexachlorobenzene	10.83	284	1126086	40.06	nq	# 88
68) Atrazine	10.94	200	900489	38.79	nq	97
69) Pentachlorophenol	11.03	266	1214384	69.35	nq	98
70) Phenanthrene	11.24	178	5134410	42.78	nq	93
71) Anthracene	11.29	178	4408352	35.15	nq	96
72) Carbazole	11.45	167	4944087	41.61	nq	96
73) Di-n-butylphthalate	11.79	149	5352384	37.04	nq	97
74) Fluoranthene	12.42	202	4529798	37.56	nq	91
76) Benzidine	12.55	184	1836714	28.27	nq	99
77) Pyrene	12.65	202	4874794	41.15	nq	92
79) Butylbenzylphthalate	13.29	149	2726111	45.87	nq	96
80) Benzo(a)anthracene	13.84	228	4506617	42.85	nq	97
81) 3,3'-Dichlorobenzidine	13.82	252	1028567	26.84	nq	# 94
82) Chrysene	13.89	228	4015600	42.42	nq	95
83) Bis(2-ethylhexyl)phthalate	13.86	149	3468336	44.10	nq	# 98
84) Di-n-octyl phthalate	14.50	149	5407247	44.23	nq	97
85) Indeno(1,2,3-cd)pyrene	16.57	276	4176040	51.78	nq	100
87) Benzo(b)fluoranthene	14.90	252	5289533m	42.60	nq	
88) Benzo(k)fluoranthene	14.93	252	2926862m	28.64	nq	
89) Benzo(a)pyrene	15.22	252	3954413	38.58	nq	98
90) Dibenzo(a,h)anthracene	16.59	278	3447413	42.71	nq	96
91) Benzo(g,h,i)perylene	16.96	276	3379702	41.14	nq	98

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

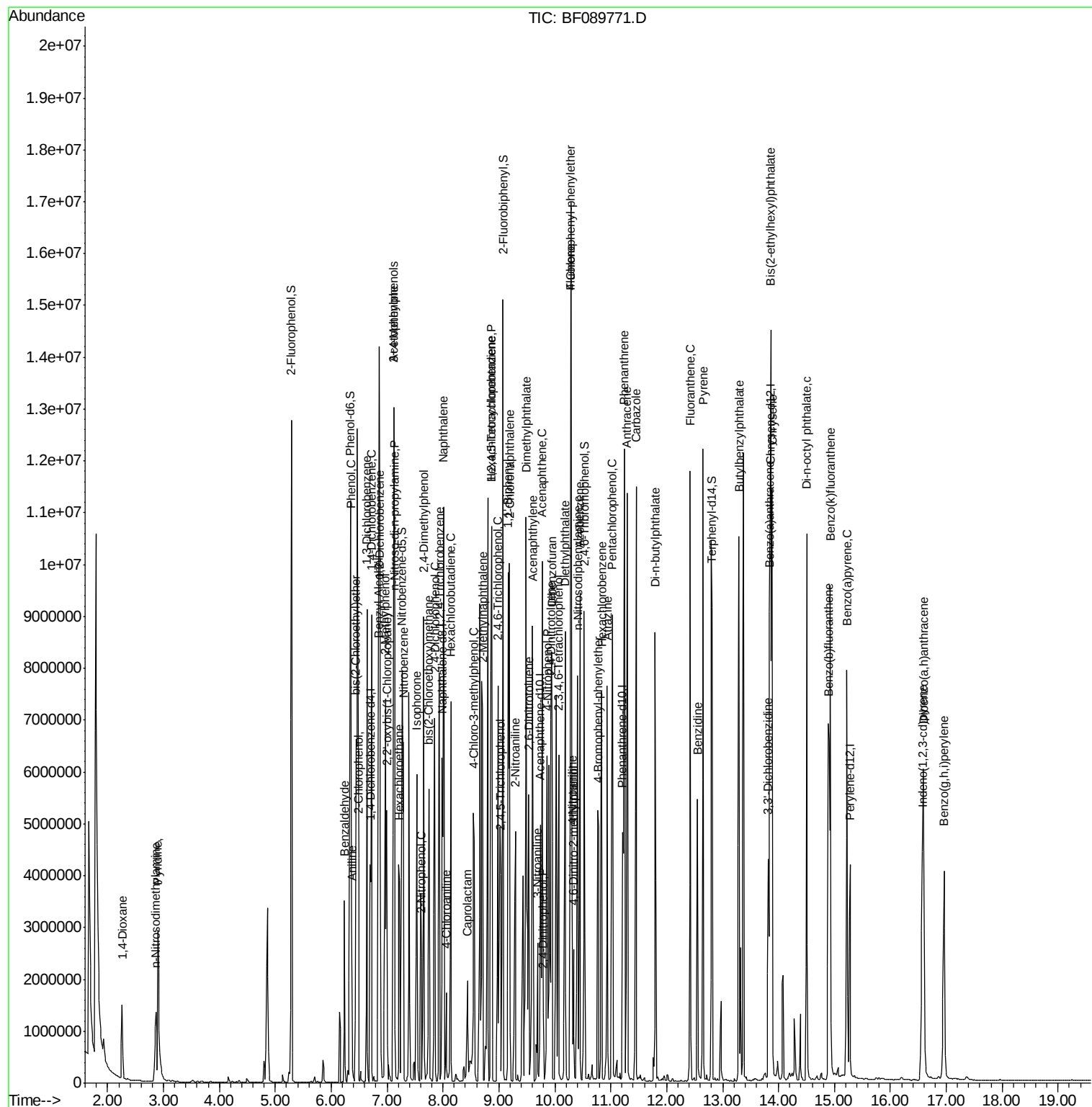
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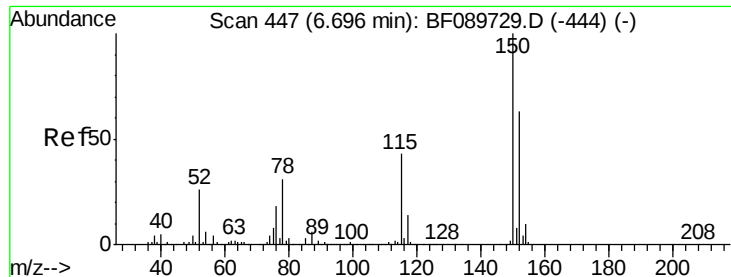
Instrument :
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ClientSampleId :
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#1

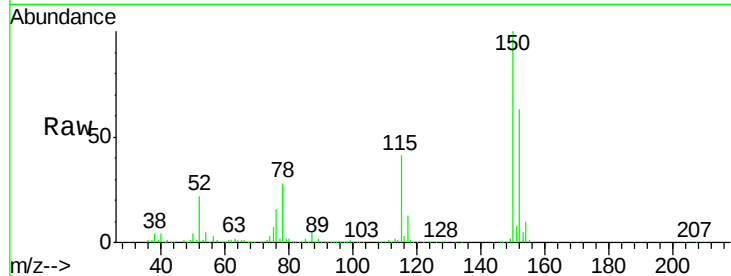
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

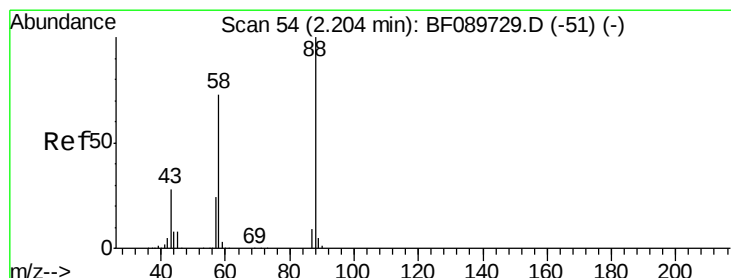
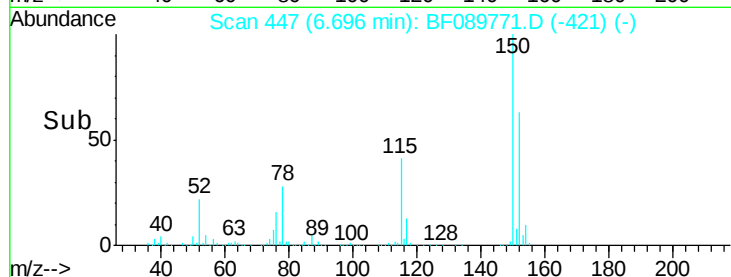
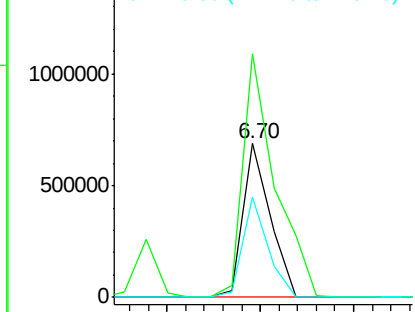
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.3	187.9
115	64.8	40.9	61.3

Manual Integrations
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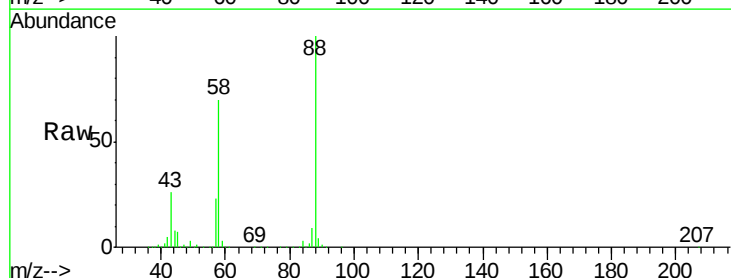
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



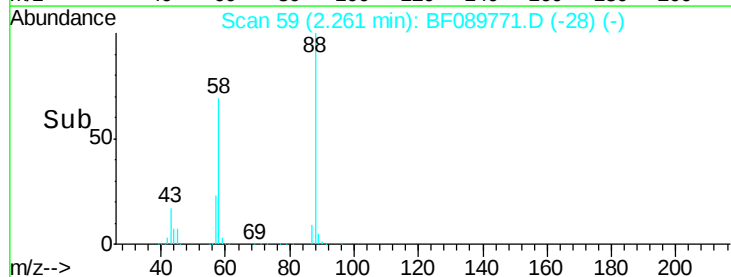
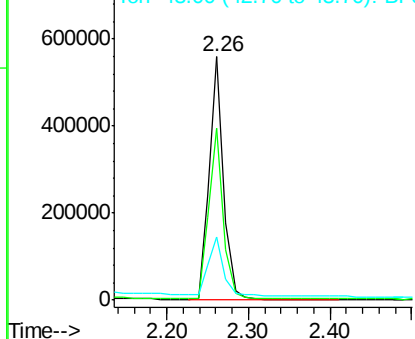
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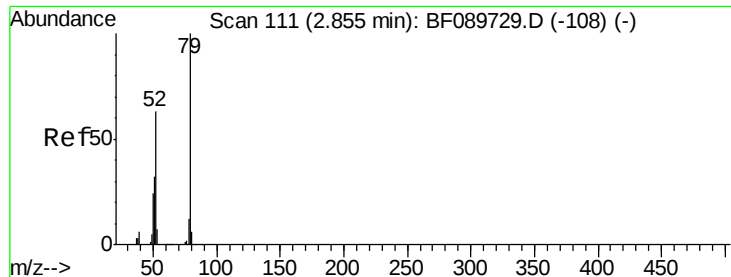
1,4-Dioxane
Concen: 31.97 ng
RT: 2.26 min Scan# 59
Delta R.T. 0.06 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.9	57.0	85.4
43	30.6	21.8	32.8



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 34.90 ng

RT: 2.90 min Scan# 115

Delta R.T. 0.05 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion: 79 Resp: 1944376

Ion Ratio Lower Upper

79 100

52 64.6 53.6 80.4

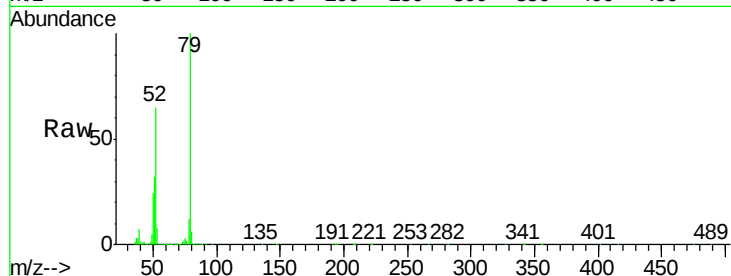
51 31.7 26.6 39.8

Manual Integrations

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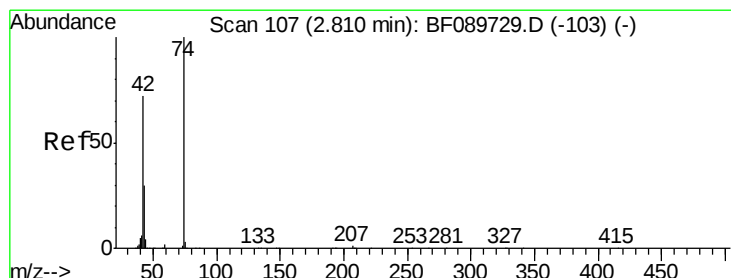
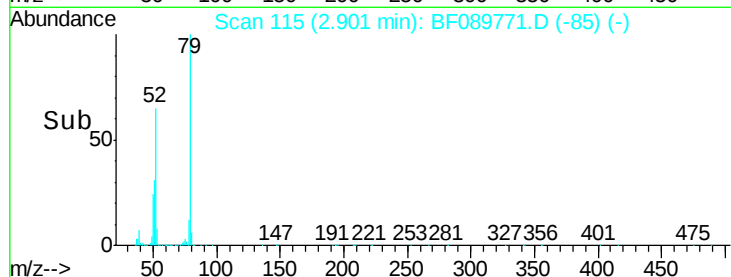
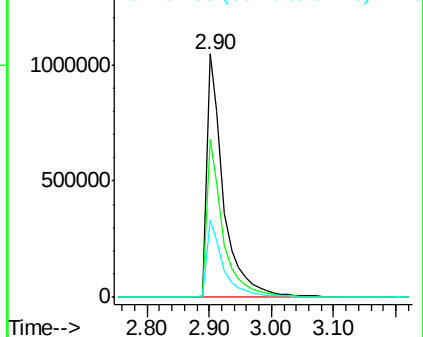
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Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 38.23 ng

RT: 2.87 min Scan# 112

Delta R.T. 0.06 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Tgt Ion: 42 Resp: 854825

Ion Ratio Lower Upper

42 100

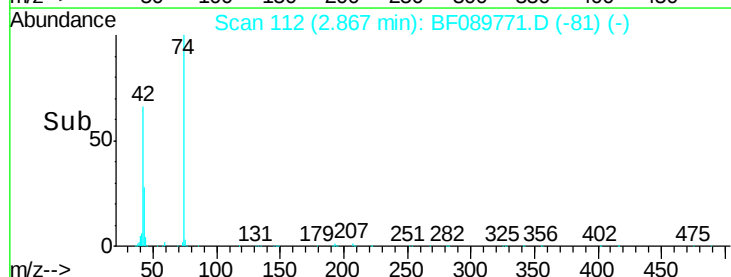
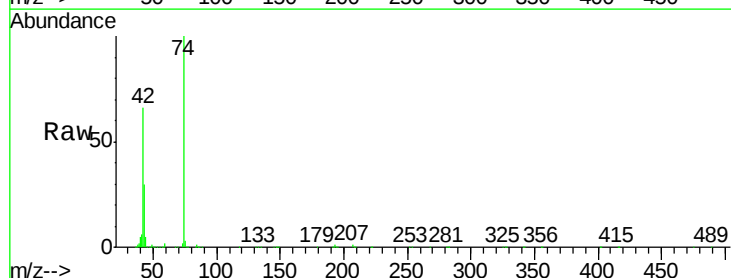
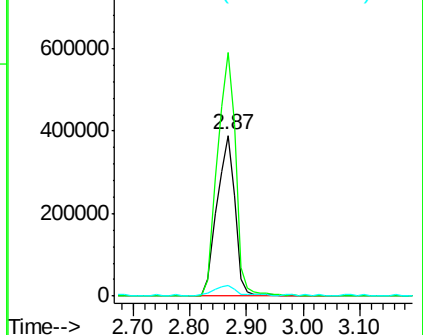
74 151.7 106.2 159.2

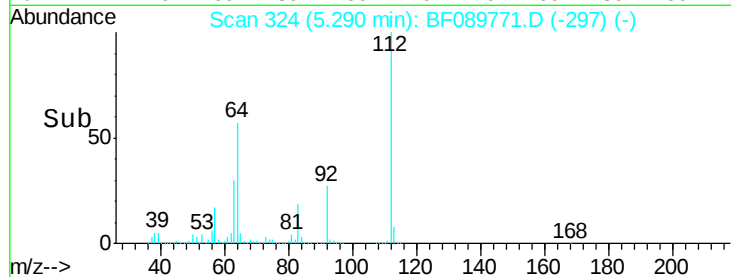
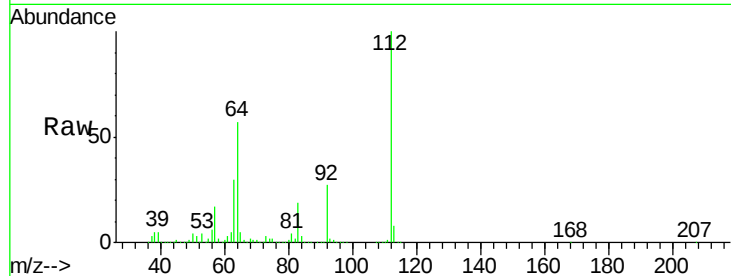
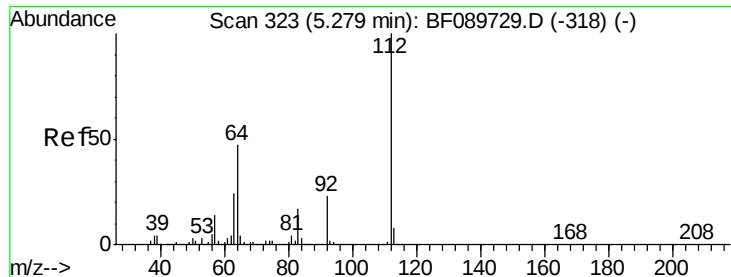
44 6.9 6.9 10.3#

Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 103.58 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Tot Ion:	112	Resp:	4337482
Ion	Ratio	Lower	Upper
112	100		
64	57.0	45.0	67.4
63	29.8	23.1	34.7

Instrument :

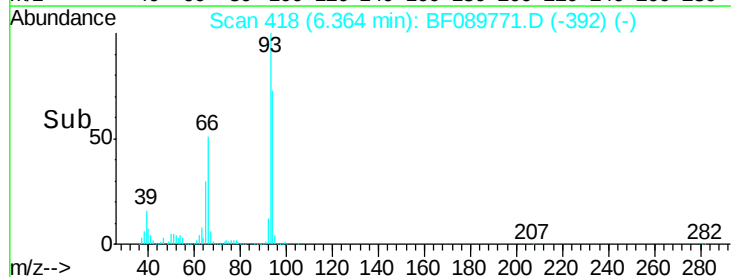
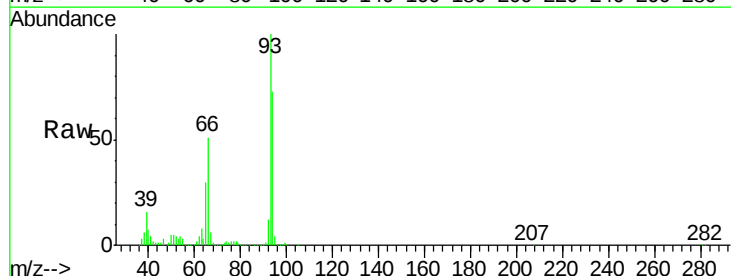
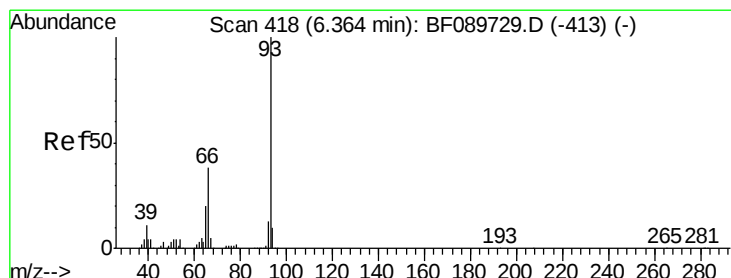
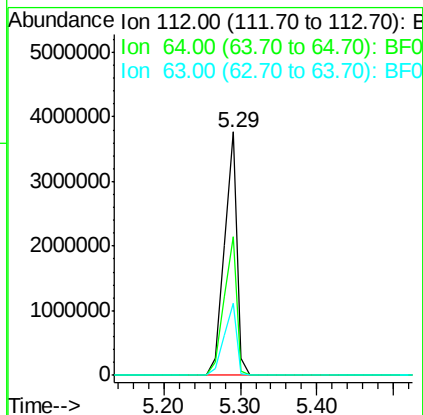
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#6

Aniline

Concen: 16.61 ng

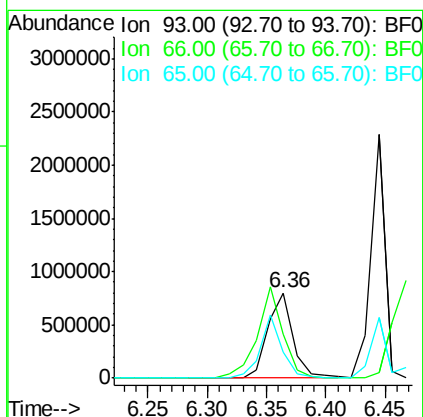
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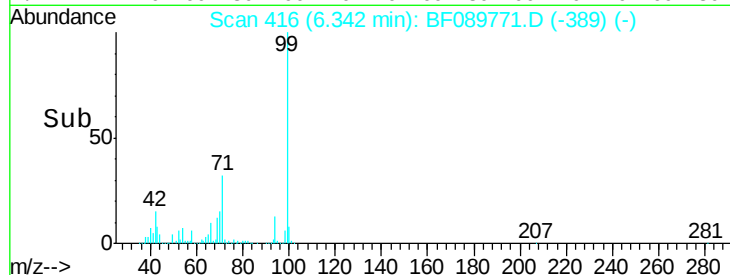
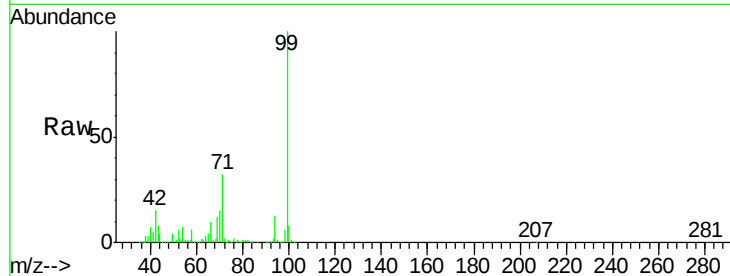
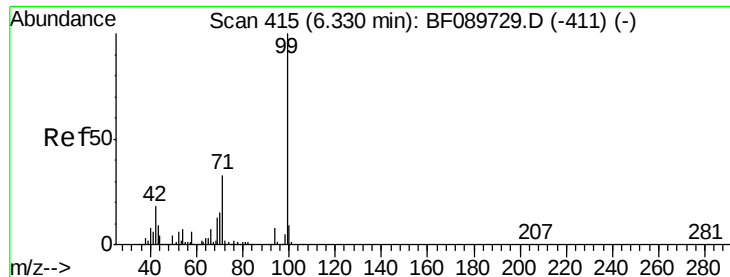
Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Tgt Ion:	93	Resp:	1189024
Ion	Ratio	Lower	Upper
93	100		
66	51.3	30.6	46.0#
65	30.1	15.4	23.2#





#7

Phenol-d6

Concen: 109.88 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Tot Ion:	99	Resp:	5852964
Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.2	18.4
71	32.2	23.8	35.8

Instrument :

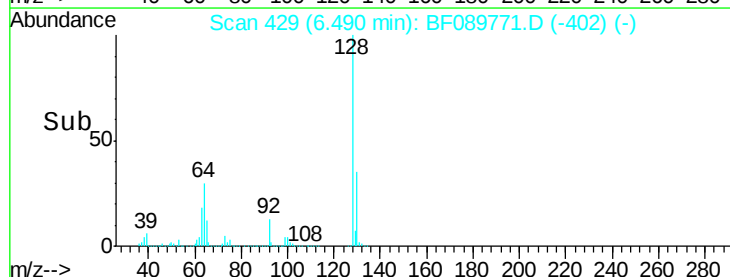
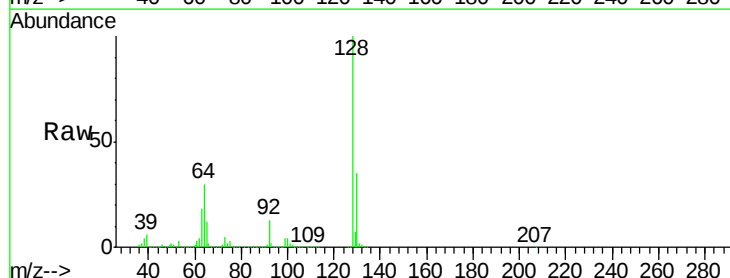
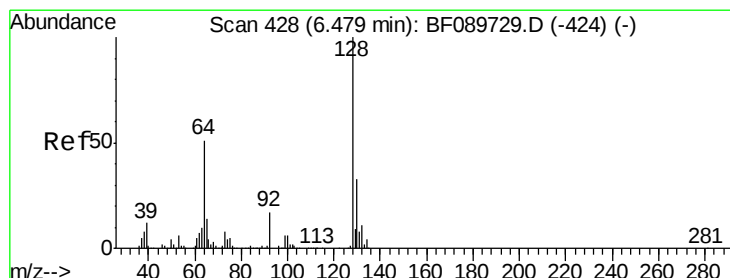
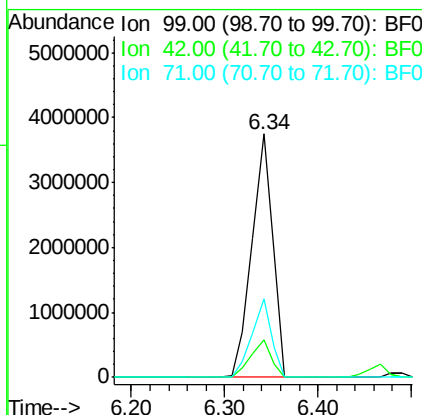
BNA_F

ClientSampleId :

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#8

2-Chlorophenol

Concen: 39.37 ng

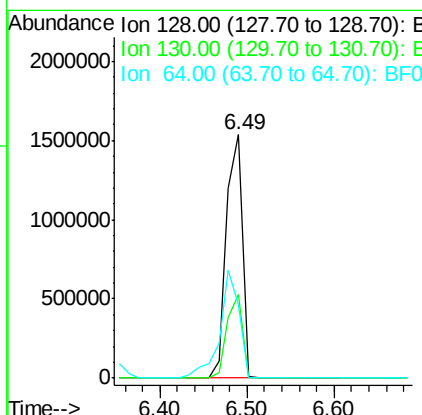
RT: 6.49 min Scan# 429

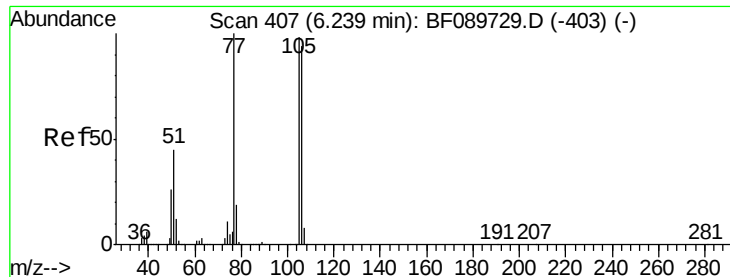
Delta R.T. 0.01 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Tgt Ion:	128	Resp:	1961247
Ion	Ratio	Lower	Upper
128	100		
130	34.6	12.0	52.0
64	30.4	35.1	75.1





#9

Benzaldehyde

Concen: 19.87 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

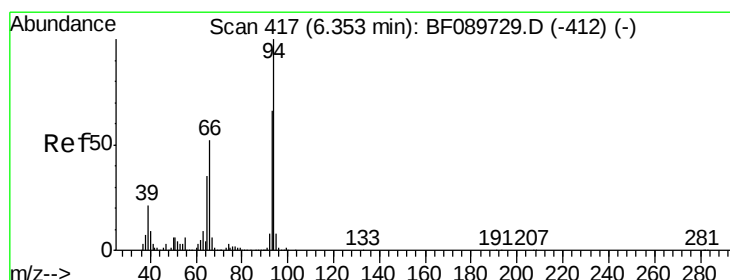
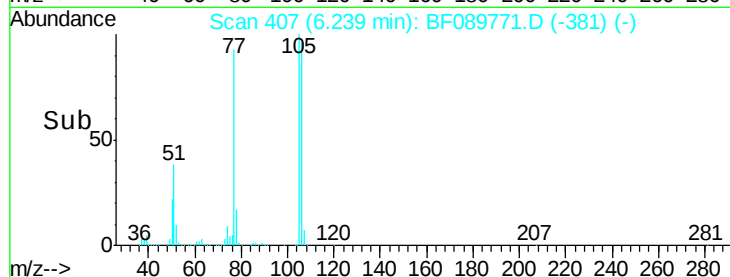
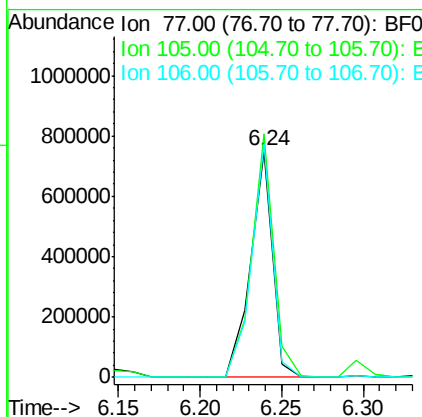
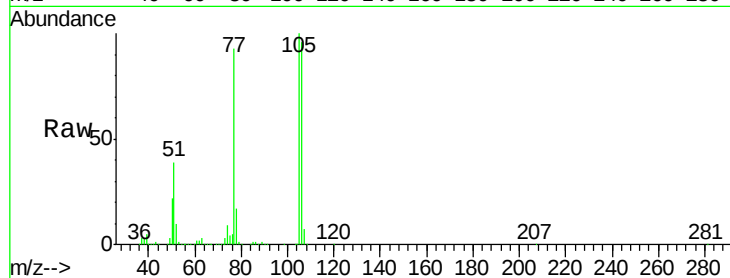
ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:	77	Resp:	701434
Ion	Ratio	Lower	Upper
77	100		
105	107.6	73.3	113.3
106	103.3	68.6	108.6

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#10

Phenol

Concen: 30.32 ng

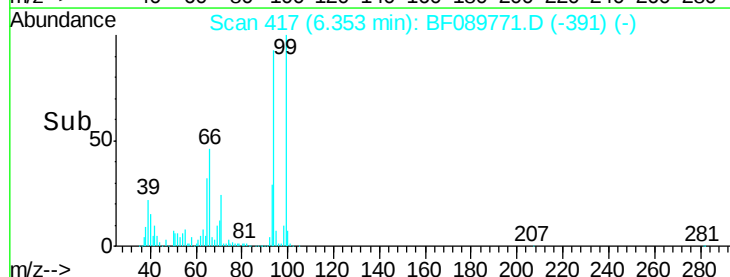
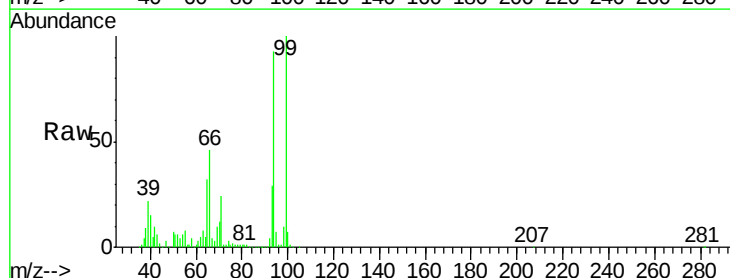
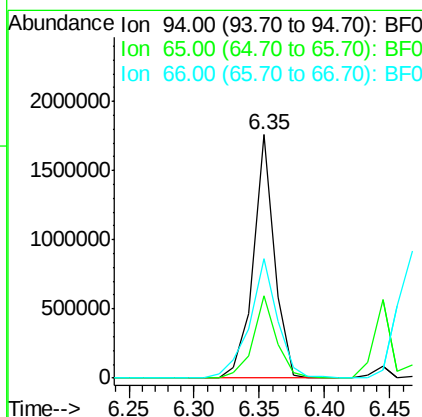
RT: 6.35 min Scan# 417

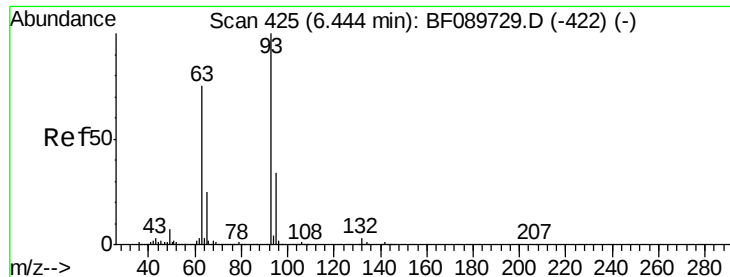
Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Tgt Ion:	94	Resp:	2009899
Ion	Ratio	Lower	Upper
94	100		
65	33.9	14.0	54.0
66	49.0	31.2	71.2





#11

bis(2-Chloroethyl)ether

Concen: 39.35 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion: 93 Resp: 1932999

Ion Ratio Lower Upper

93 100

63 74.6 55.8 95.8

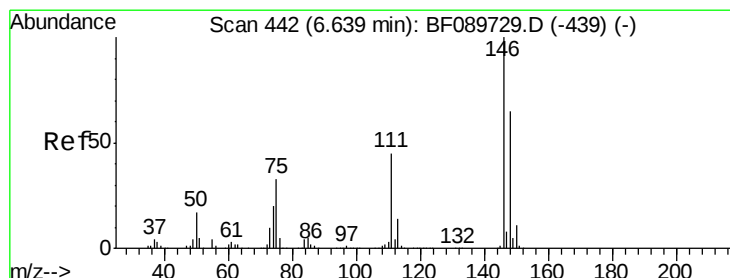
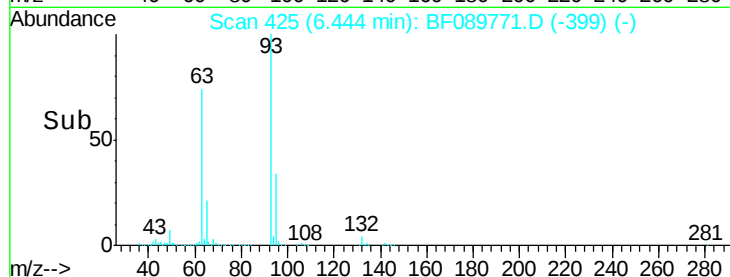
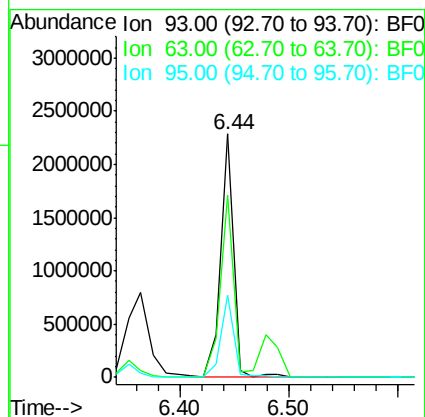
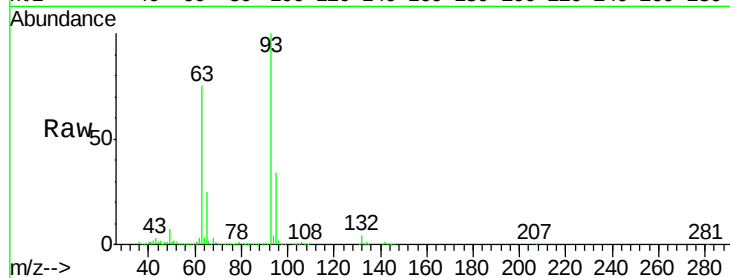
95 33.9 13.0 53.0

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#12

1,3-Dichlorobenzene

Concen: 36.54 ng

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

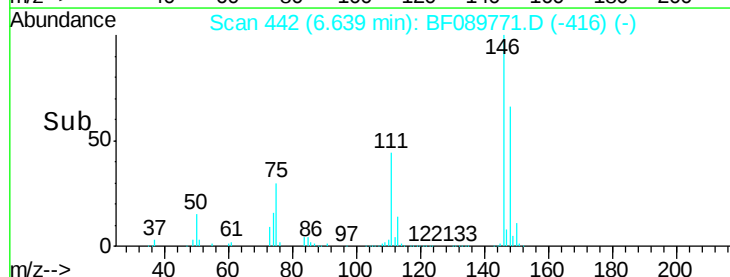
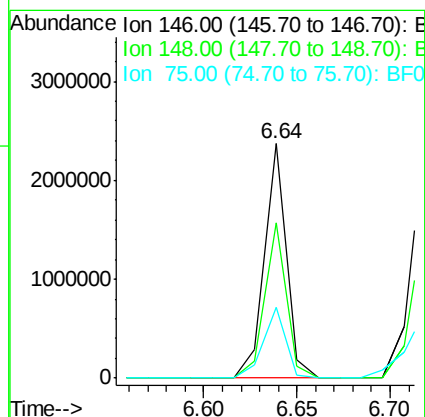
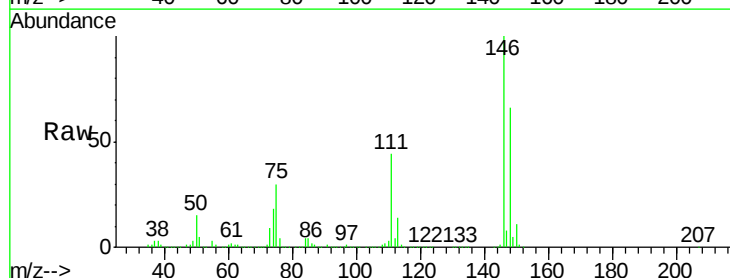
Tgt Ion: 146 Resp: 1945528

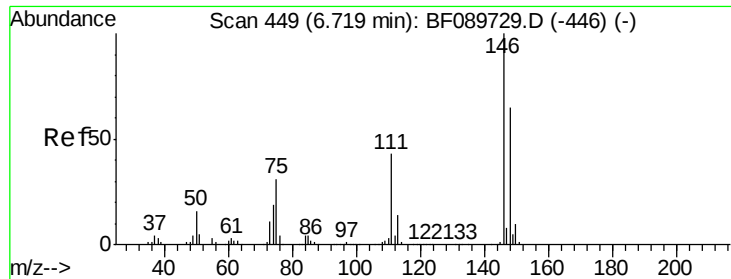
Ion Ratio Lower Upper

146 100

148 66.2 51.0 76.4

75 30.4 27.0 40.6





#13

1,4-Dichlorobenzene

Concen: 38.80 ng

RT: 6.72 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:146 Resp: 2092918

Ion Ratio Lower Upper

146 100

148 66.4 51.0 76.6

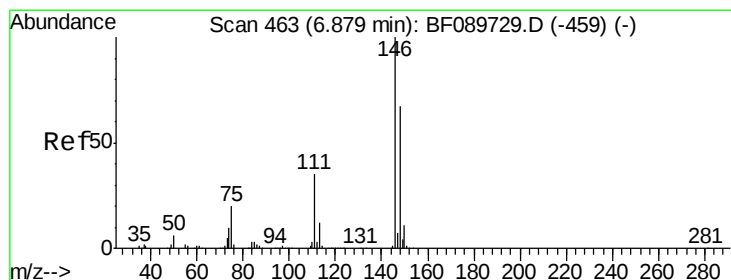
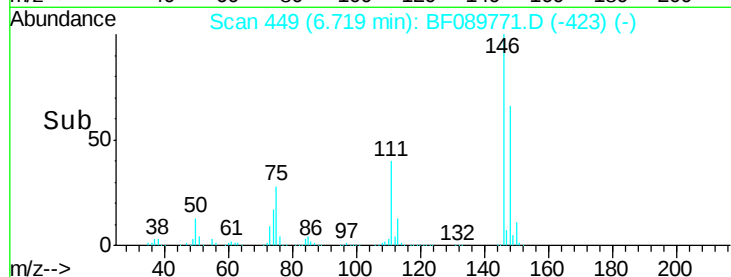
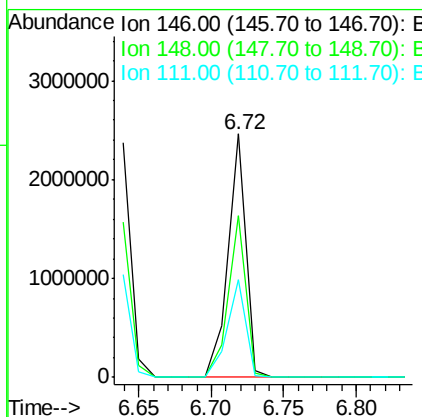
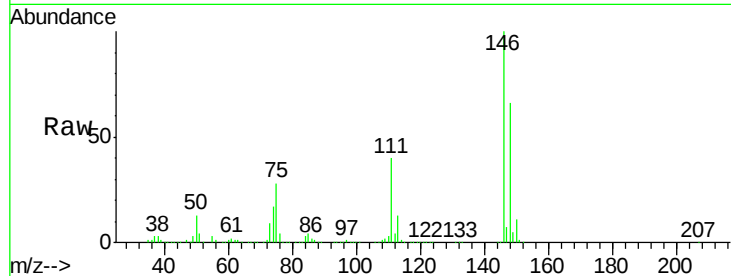
111 40.4 34.6 52.0

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#14

1,2-Dichlorobenzene

Concen: 35.22 ng m

RT: 6.87 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

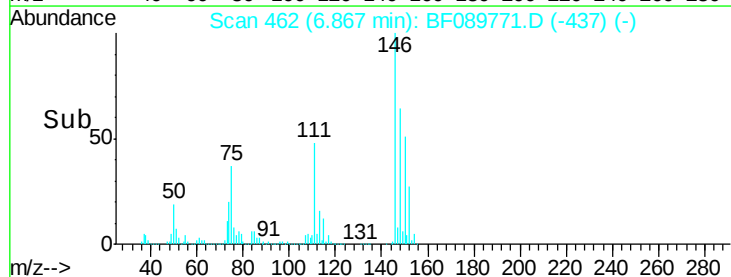
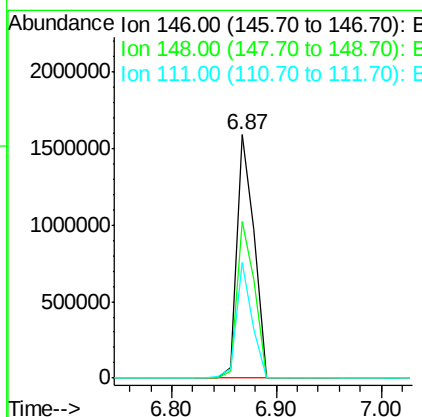
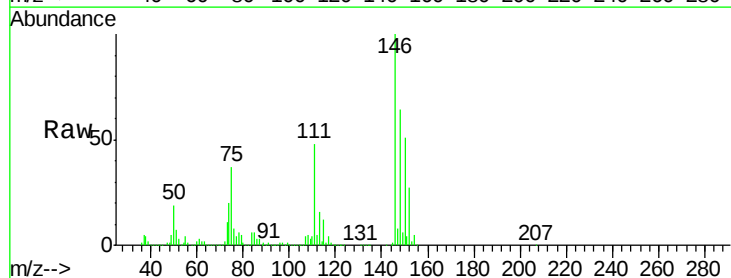
Tgt Ion:146 Resp: 1811111

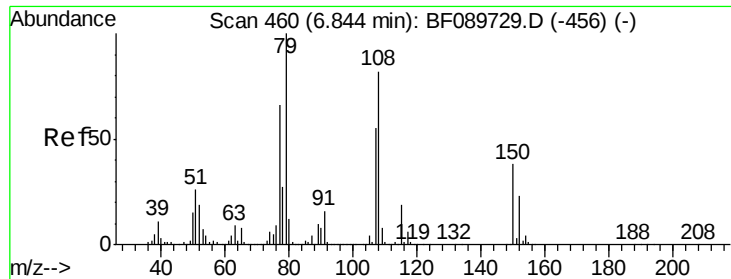
Ion Ratio Lower Upper

146 100

148 64.4 52.2 78.2

111 47.5 29.8 44.6#





#15

Benzyl Alcohol

Concen: 42.71 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion: 79 Resp: 1520161

Ion Ratio Lower Upper

79 100

108 84.2 62.5 93.7

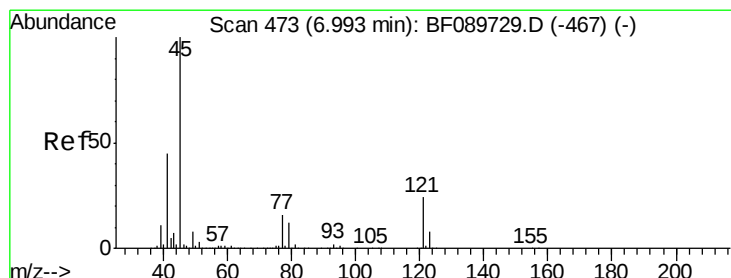
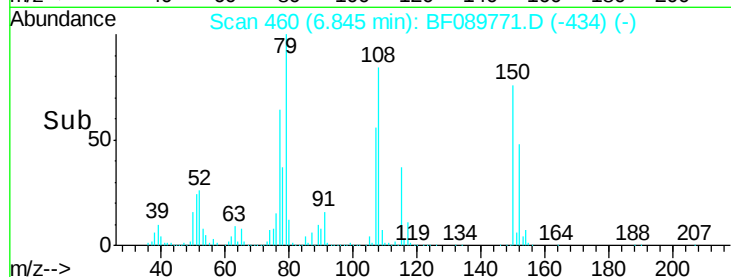
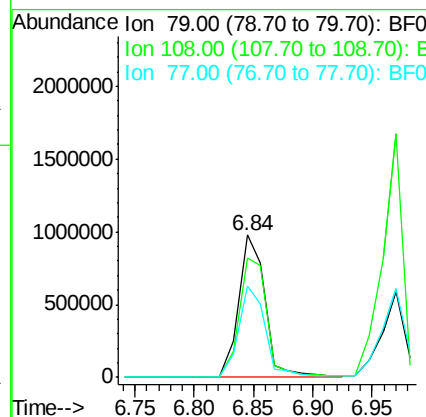
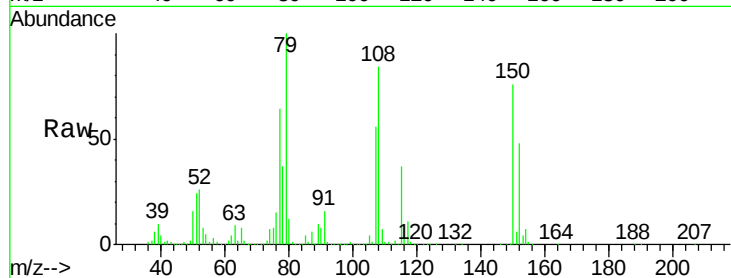
77 63.8 51.5 77.3

Manual Integrations

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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.61 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

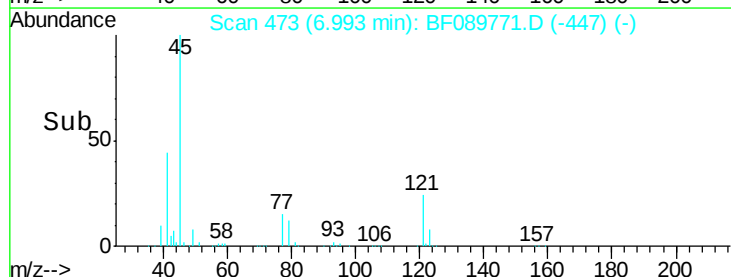
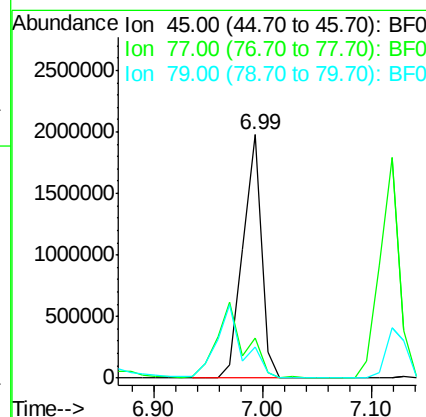
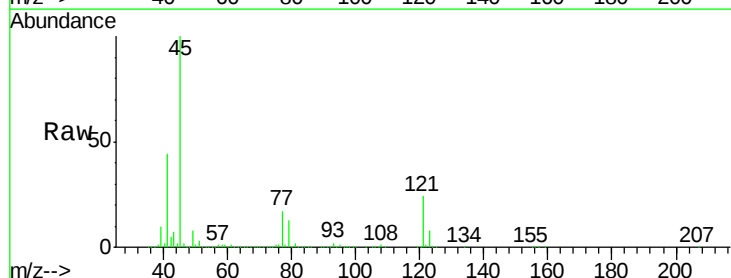
Tgt Ion: 45 Resp: 2294833

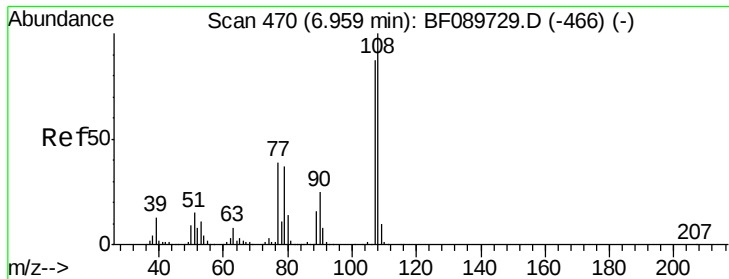
Ion Ratio Lower Upper

45 100

77 16.6 0.0 33.5

79 12.9 0.0 30.7





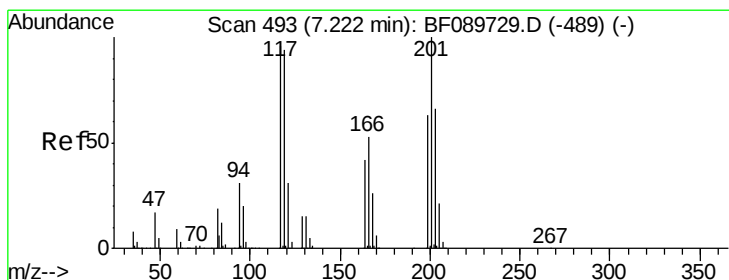
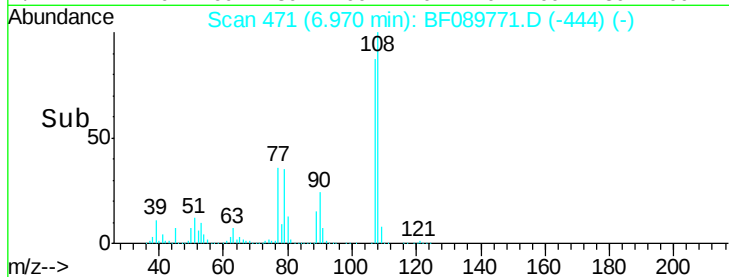
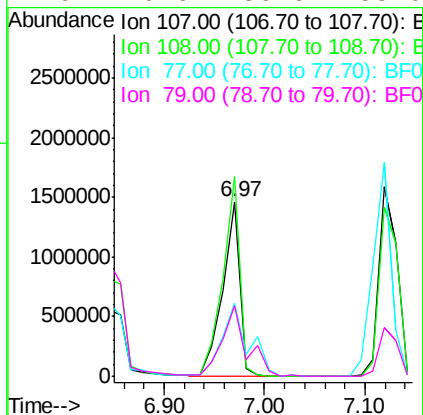
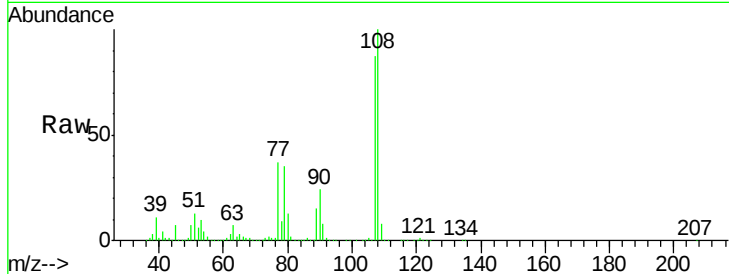
#17
2-Methylphenol
Concen: 43.60 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.01 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion	107	Resp	1725399
Ion Ratio	Lower	Upper	
107	100		
108	114.6	91.0	136.4
77	41.9	37.4	56.0
79	40.6	36.6	55.0

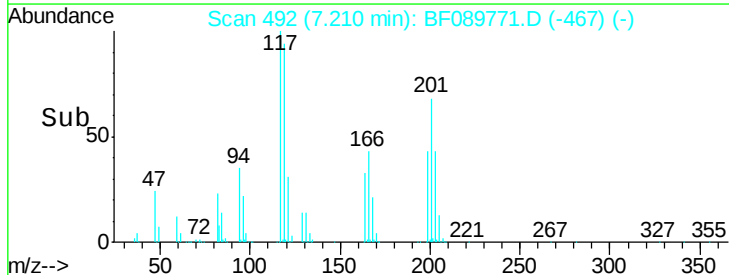
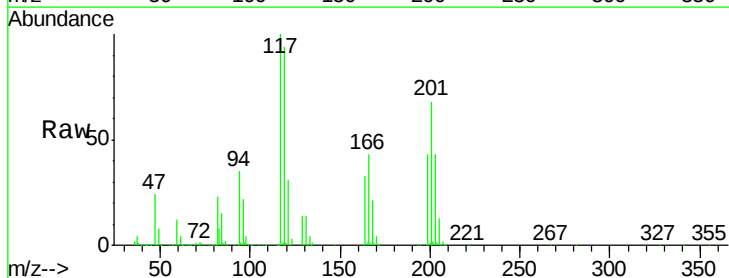
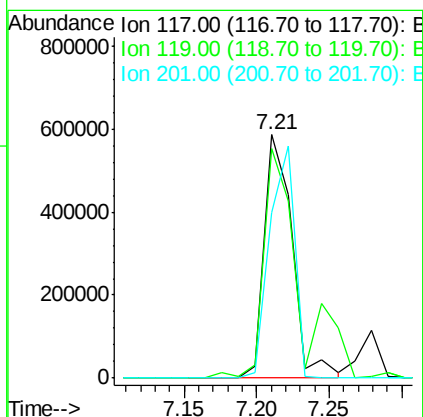
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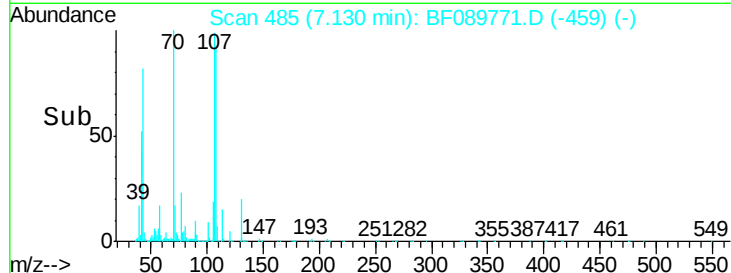
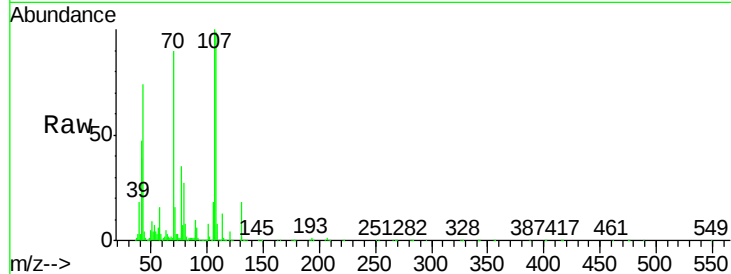
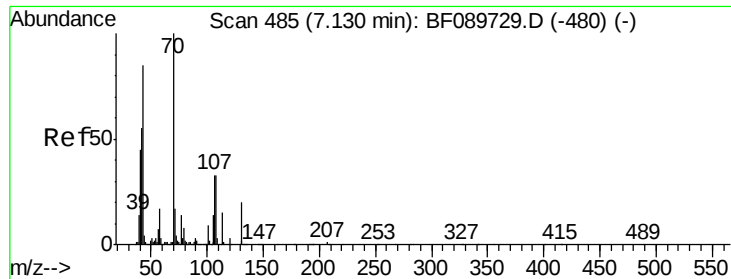
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#18
Hexachloroethane
Concen: 39.59 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.01 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	117	Resp	782590
Ion Ratio	Lower	Upper	
117	100		
119	94.4	77.1	115.7
201	67.8	76.9	115.3#





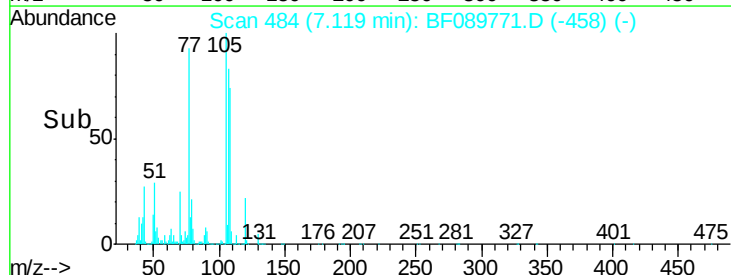
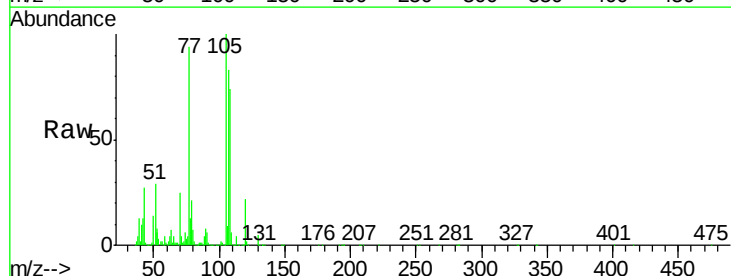
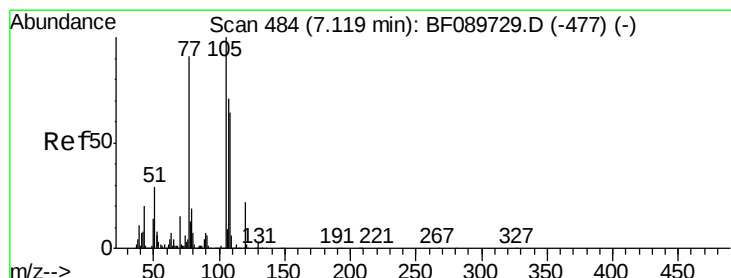
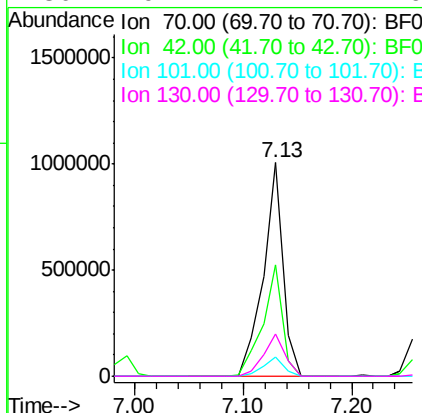
#19
n-Nitroso-di-n-propylamine
Concen: 36.51 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	51.9	46.3	69.5	
101	9.2	7.0	10.6	
130	19.7	14.4	21.6	

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

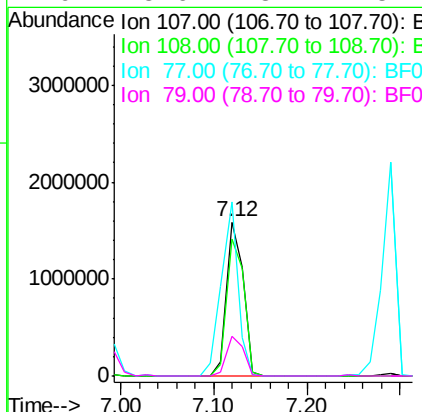
Manual Integrations
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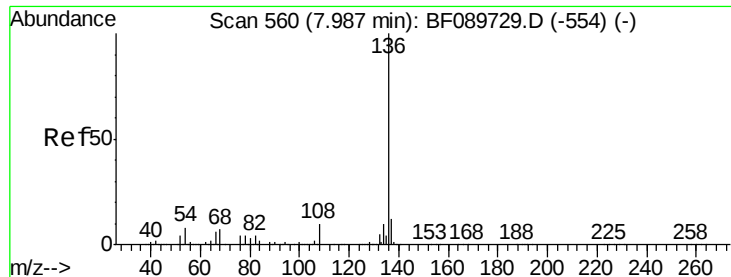
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#20
3+4-Methylphenols
Concen: 39.14 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.2	68.2	108.2	
77	113.0	122.3	162.3	
79	25.6	8.2	48.2	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

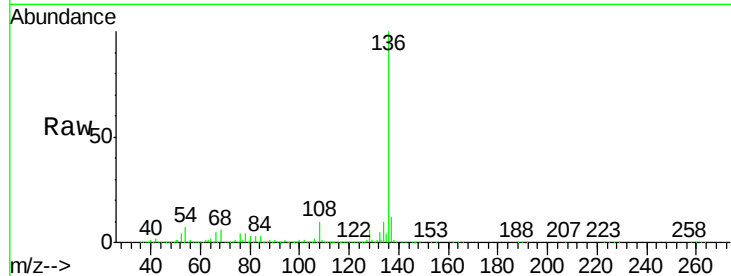
ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:	136	Resp:	2816677
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	7.2	7.2	10.8
68	6.4	5.8	8.8

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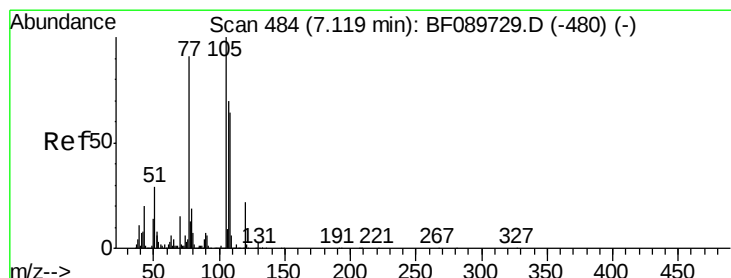
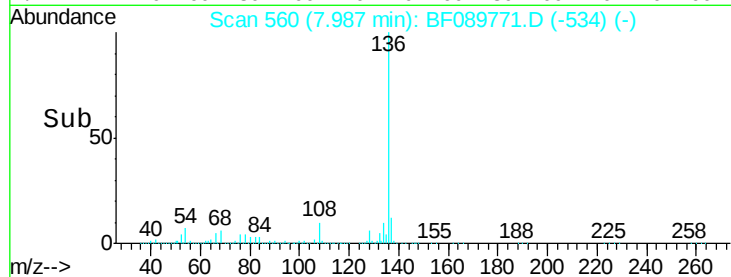
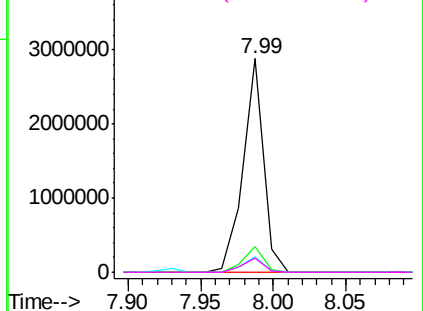


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 35.97 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

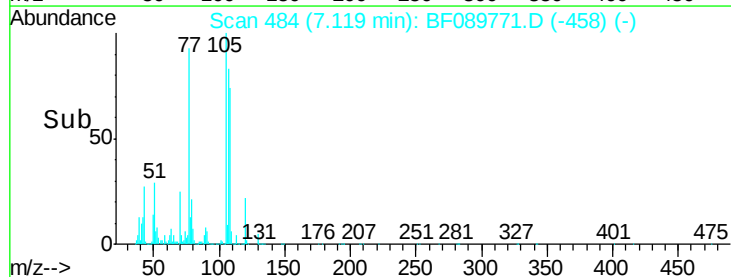
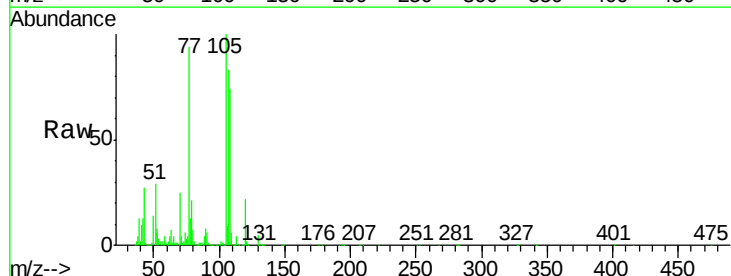
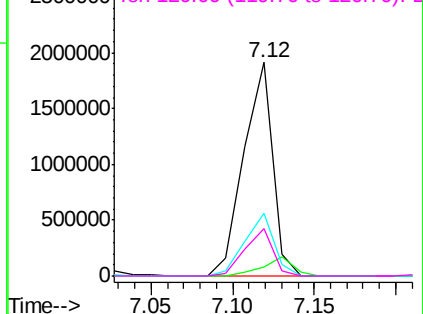
Tgt Ion:	105	Resp:	2354782
Ion	Ratio	Lower	Upper
105	100		
71	4.2	1.9	2.9#
51	29.1	28.5	42.7
120	22.3	16.6	25.0

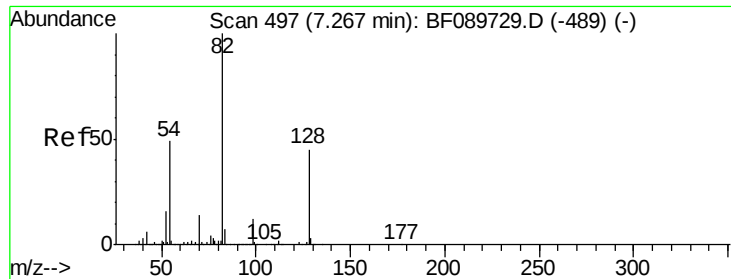
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





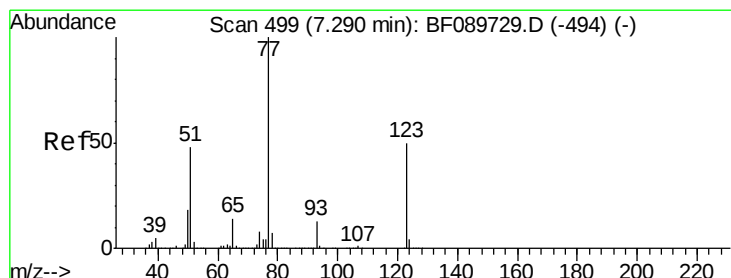
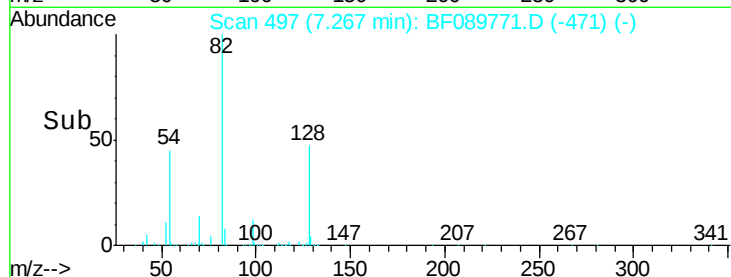
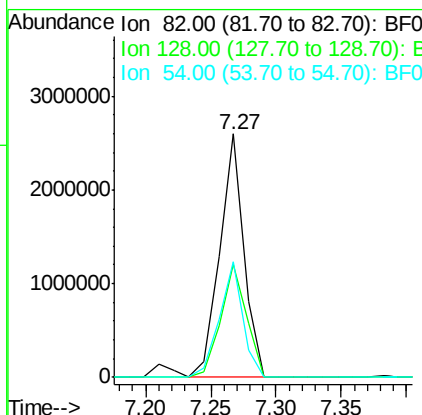
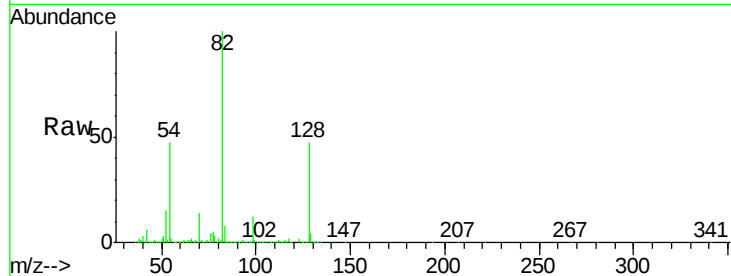
#23
 Nitrobenzene-d5
 Concen: 72.35 ng
 RT: 7.27 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.4	51.6
54	47.3	40.3	60.5

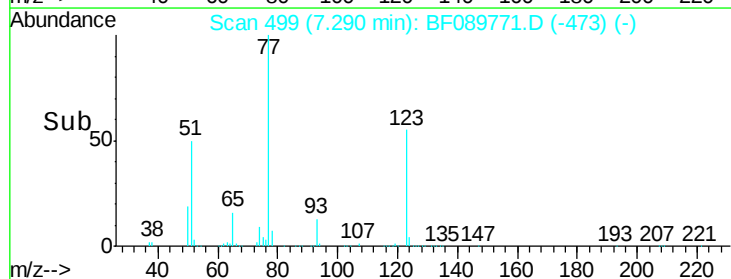
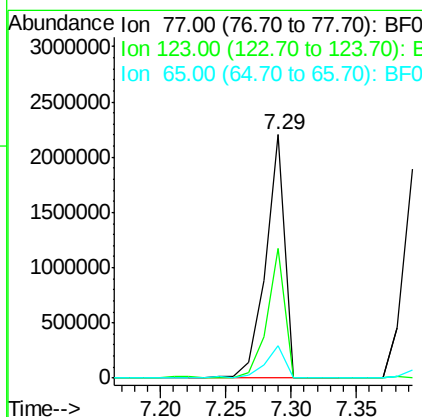
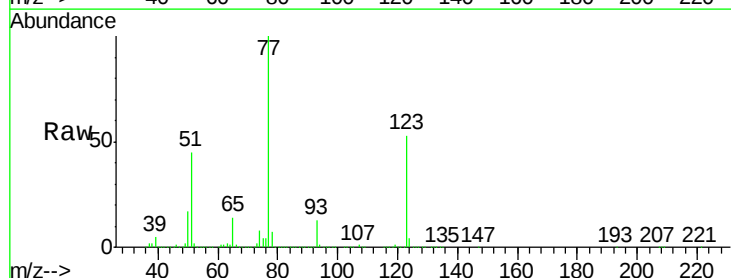
Manual Integrations
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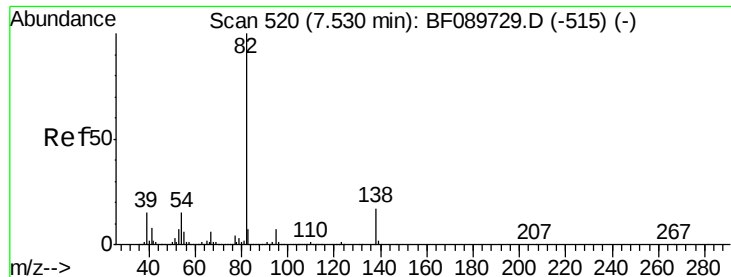
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#24
 Nitrobenzene
 Concen: 43.19 ng
 RT: 7.29 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	53.2	36.2	54.2
65	13.5	10.6	15.8





#25

Isophorone

Concen: 40.37 ng

RT: 7.53 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion: 82 Resp: 3725556

Ion Ratio Lower Upper

82 100

95 6.8 5.3 7.9

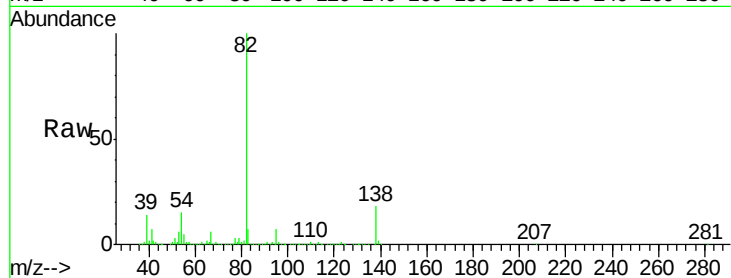
138 18.2 13.0 19.4

Manual Integrations

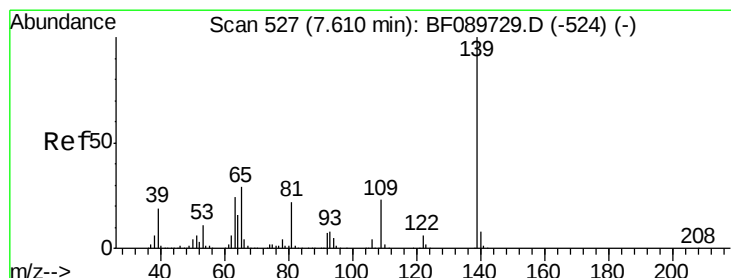
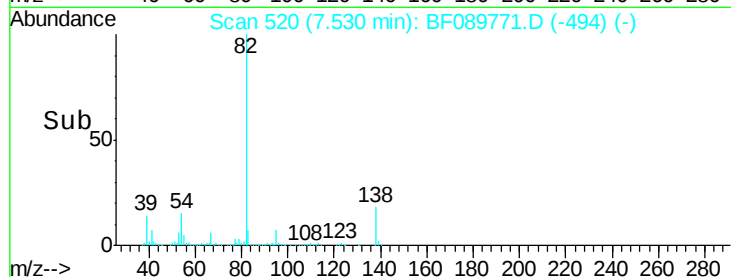
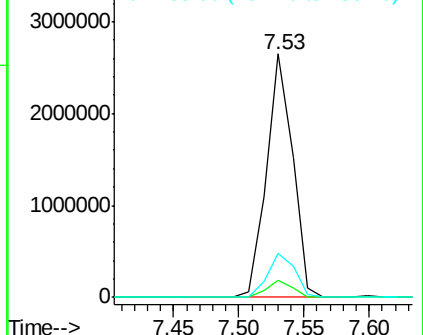
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 42.83 ng

RT: 7.61 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

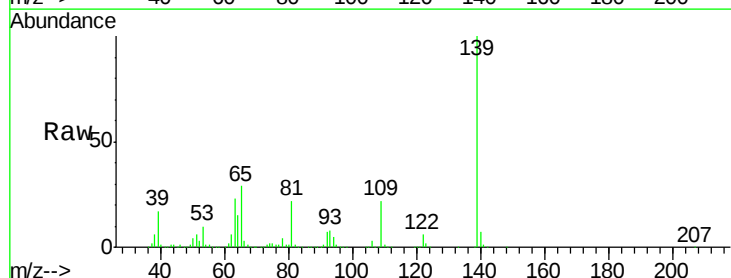
Tgt Ion: 139 Resp: 1045728

Ion Ratio Lower Upper

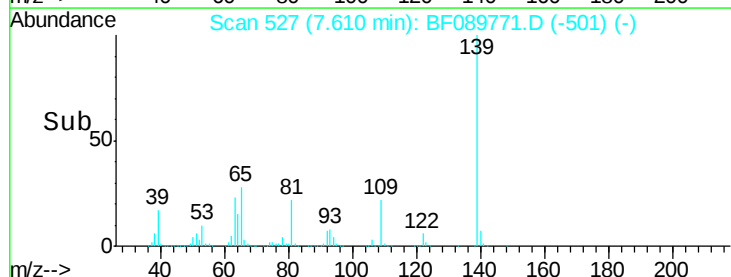
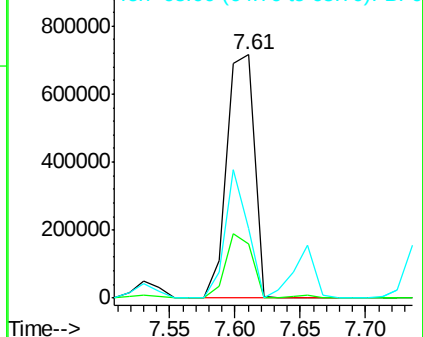
139 100

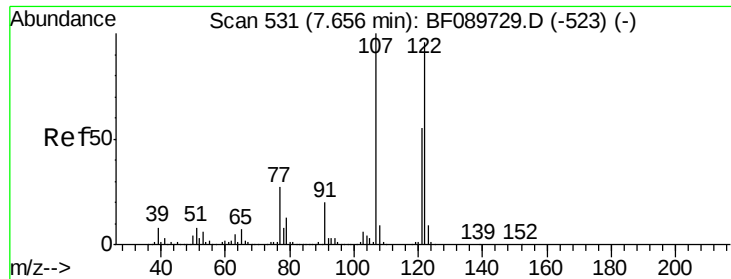
109 22.1 19.5 29.3

65 28.5 26.5 39.7



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





#27

2,4-Dimethylphenol

Concen: 43.00 ng

RT: 7.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:122 Resp: 1990109

Ion Ratio Lower Upper

122 100

107 106.7 84.8 127.2

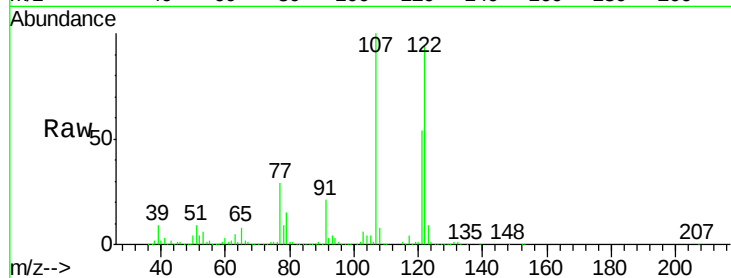
121 57.8 47.0 70.6

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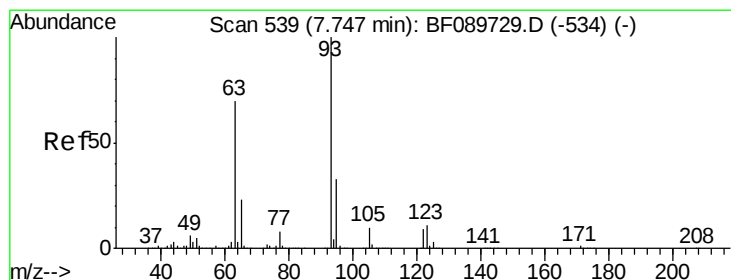
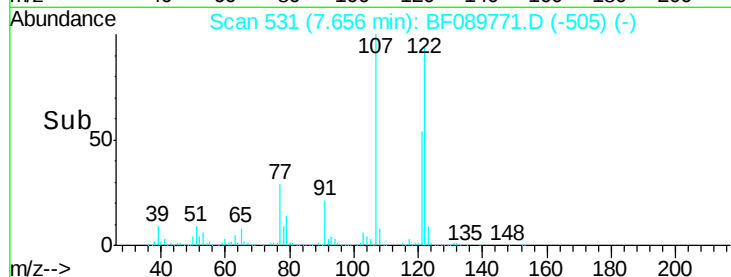
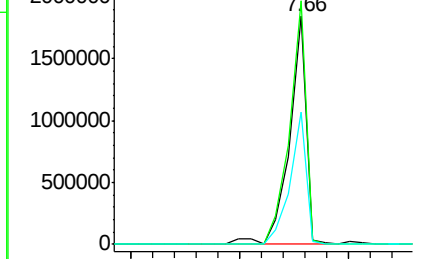
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 40.01 ng

RT: 7.75 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

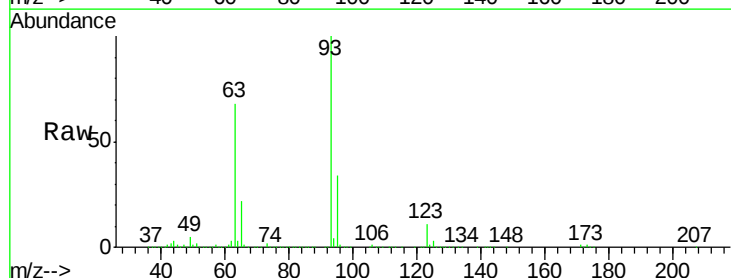
Tgt Ion: 93 Resp: 2244167

Ion Ratio Lower Upper

93 100

95 33.9 25.5 38.3

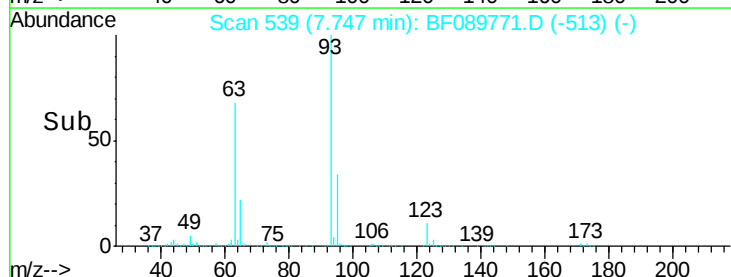
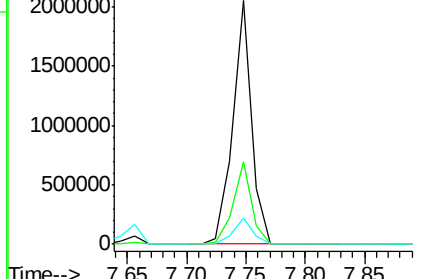
123 10.8 8.5 12.7

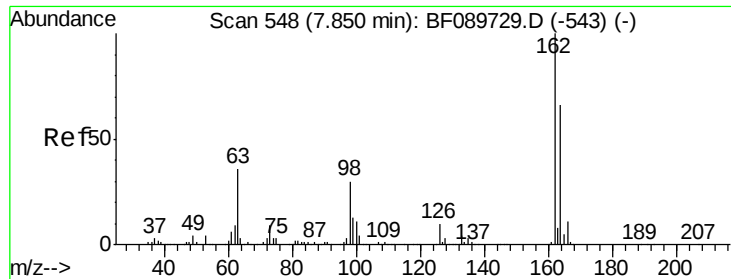


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 44.31 ng

RT: 7.85 min Scan# 548

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:162 Resp: 1707194

Ion Ratio Lower Upper

162 100

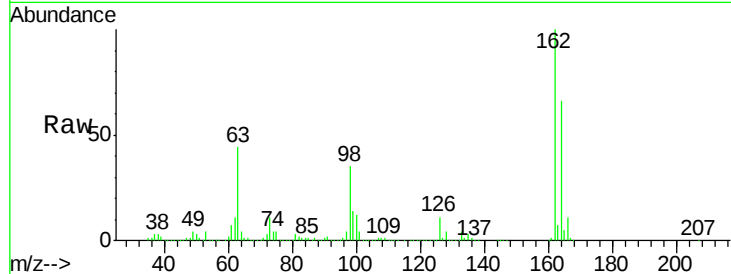
164 65.5 45.5 85.5

98 34.9 12.4 52.4

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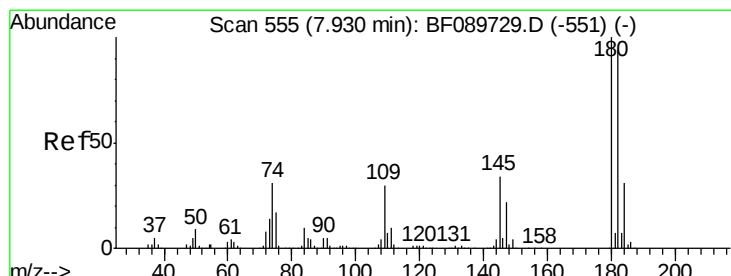
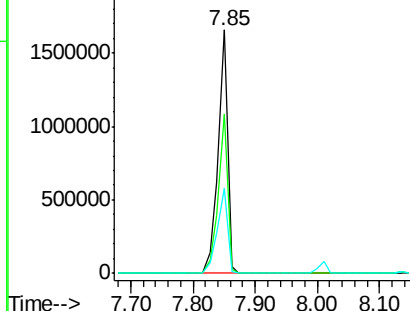
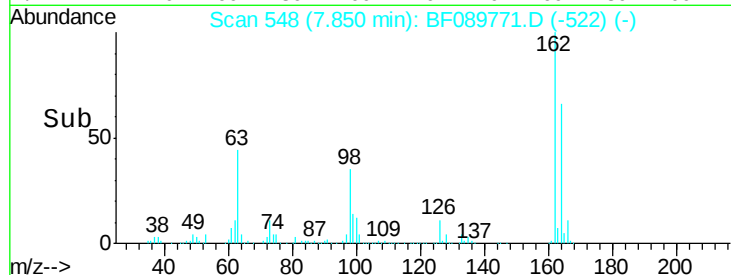
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 38.80 ng

RT: 7.93 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

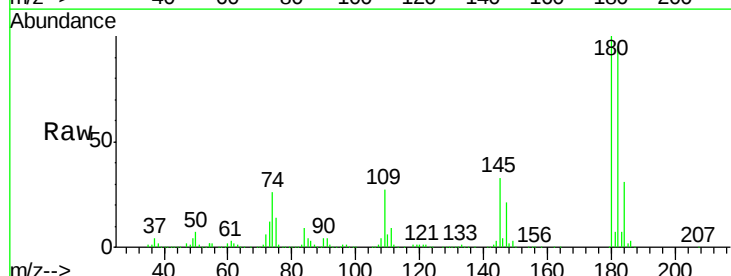
Tgt Ion:180 Resp: 1604935

Ion Ratio Lower Upper

180 100

182 94.8 75.5 113.3

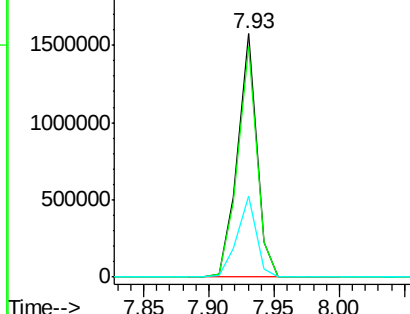
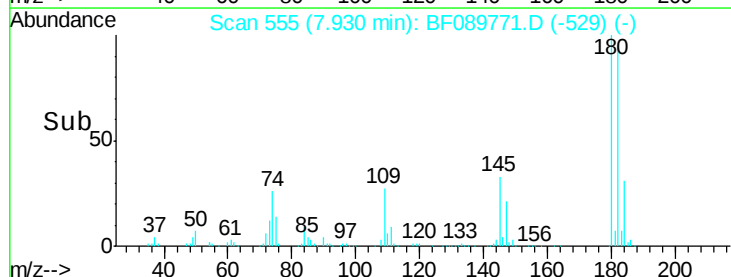
145 33.4 28.7 43.1

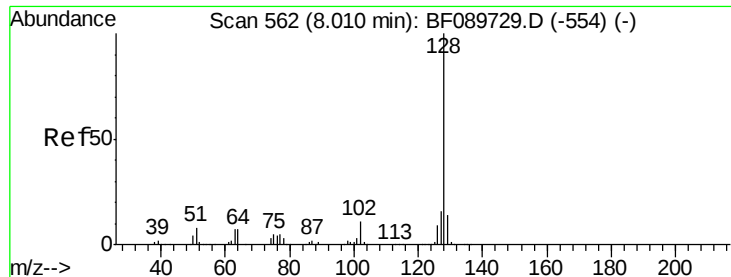


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 40.63 ng

RT: 8.01 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:128 Resp: 5136309

Ion Ratio Lower Upper

128 100

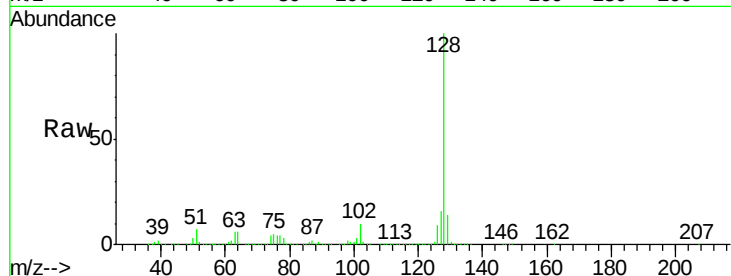
129 13.8 9.5 14.3

127 16.1 11.3 16.9

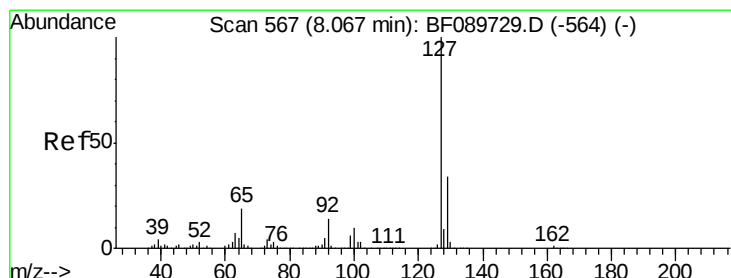
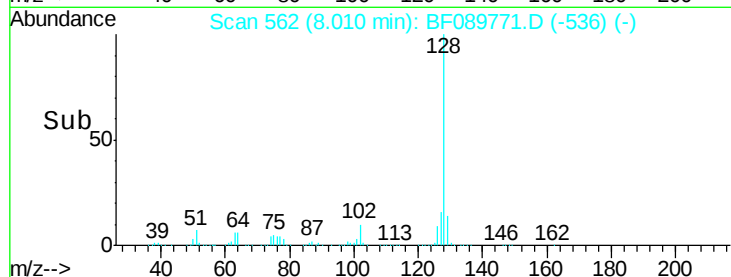
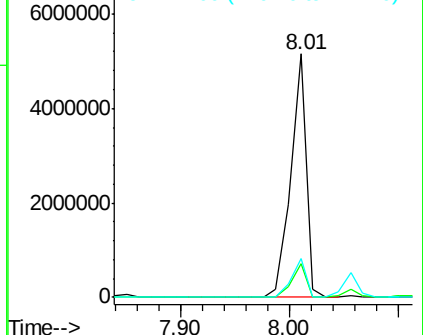
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 9.00 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Tgt Ion:127 Resp: 526550

Ion Ratio Lower Upper

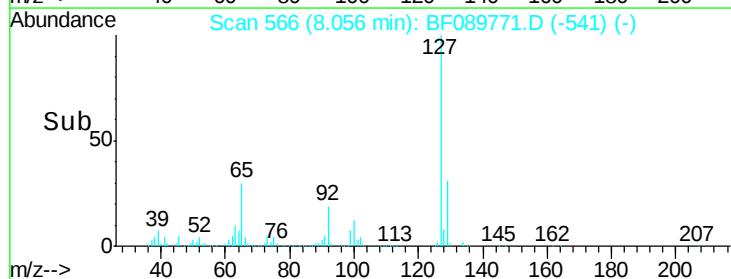
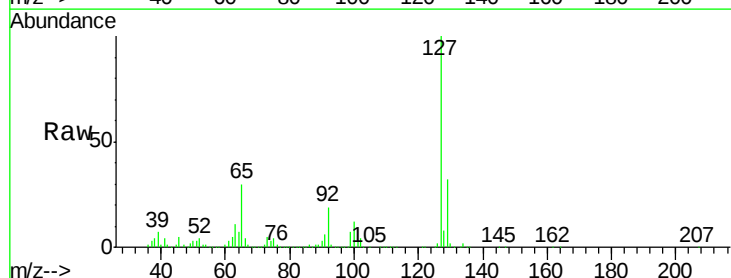
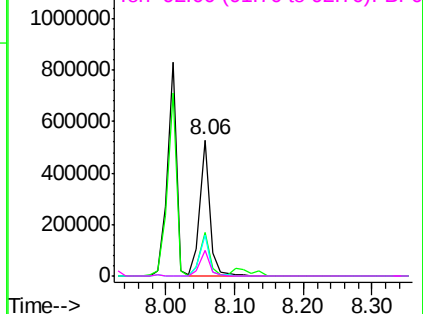
127 100

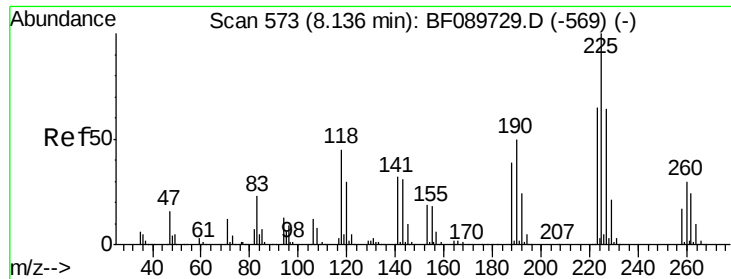
129 32.3 27.0 40.6

65 30.4 14.7 22.1#

92 18.6 11.7 17.5#

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





#34

Hexachlorobutadiene

Concen: 39.09 ng

RT: 8.14 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

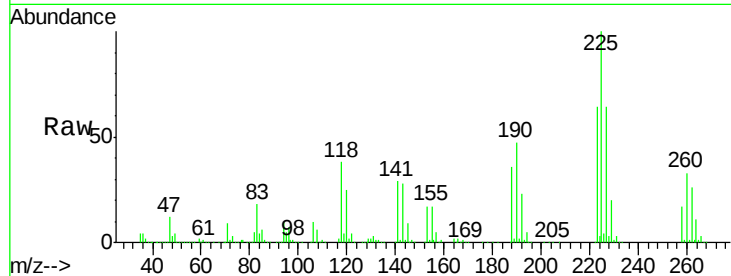
ClientSampleId :

LOCATION-7A-9-11MSD

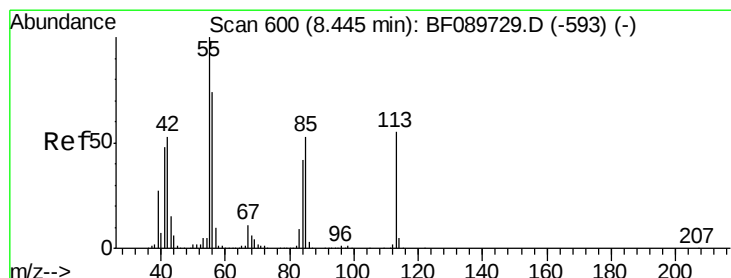
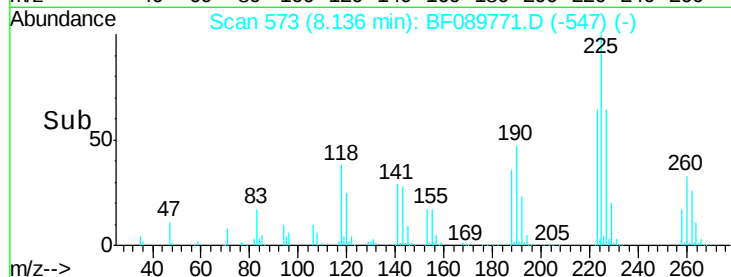
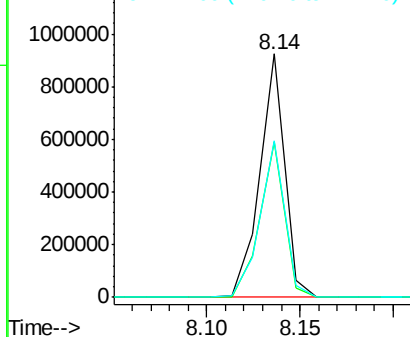
Tot Ion:	225	Resp:	849276
Ion Ratio		Lower	Upper
225	100		
223	63.8	51.0	76.6
227	64.2	49.8	74.6

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



#35

Caprolactam

Concen: 43.79 ng m

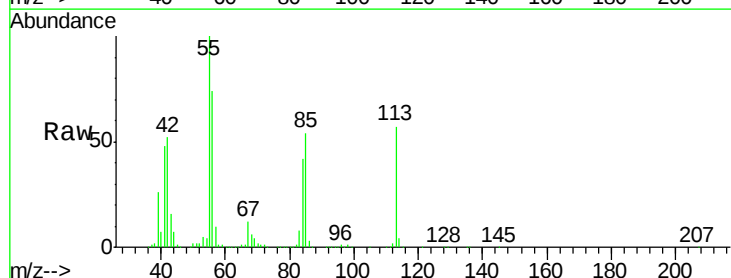
RT: 8.43 min Scan# 599

Delta R.T. -0.01 min

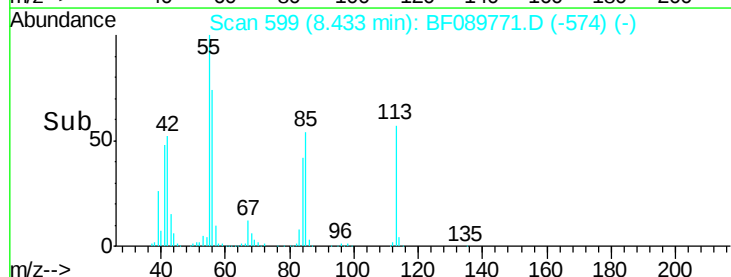
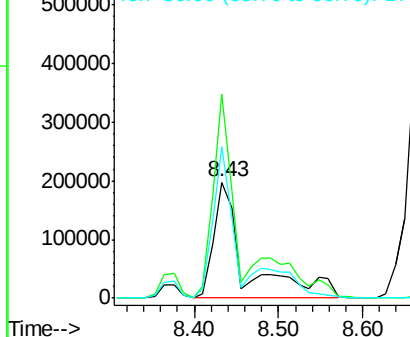
Lab File: BF089771.D

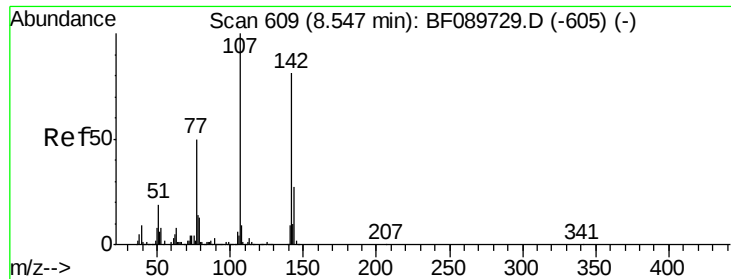
Acq: 17 Aug 2016 19:00

Tgt Ion:	113	Resp:	520013
Ion Ratio		Lower	Upper
113	100		
55	175.5	135.9	175.9
56	130.1	93.9	133.9



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





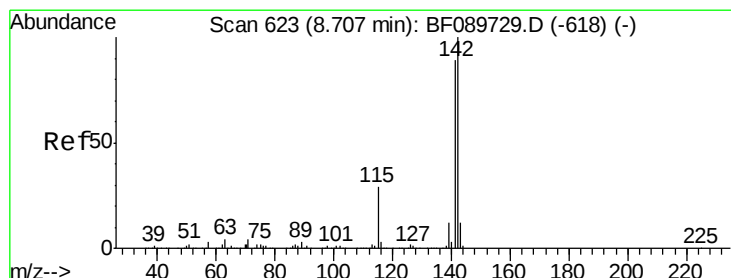
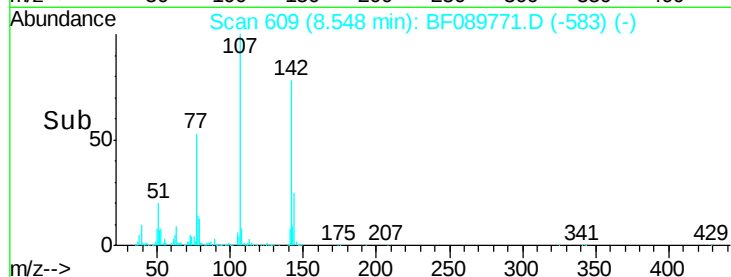
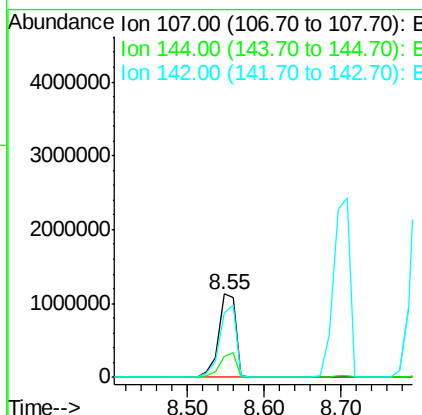
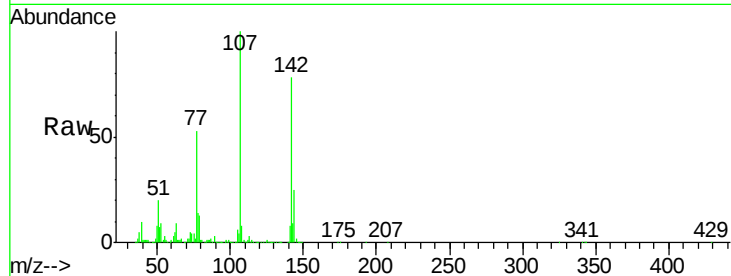
#36
 4-Chloro-3-methylphenol
 Concen: 42.56 ng
 RT: 8.55 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MSD

Tot Ion:107 Resp: 1785186
 Ion Ratio Lower Upper
 107 100
 144 25.4 22.6 34.0
 142 78.2 69.3 103.9

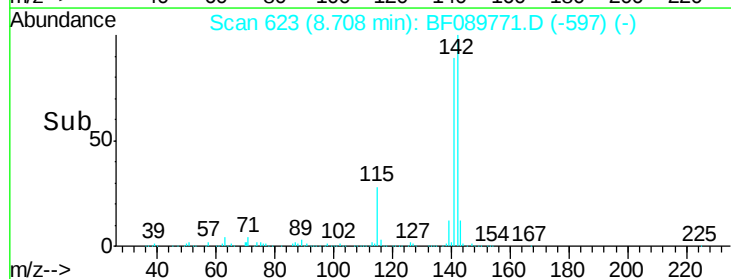
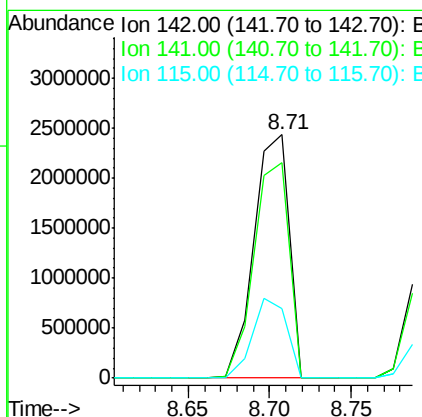
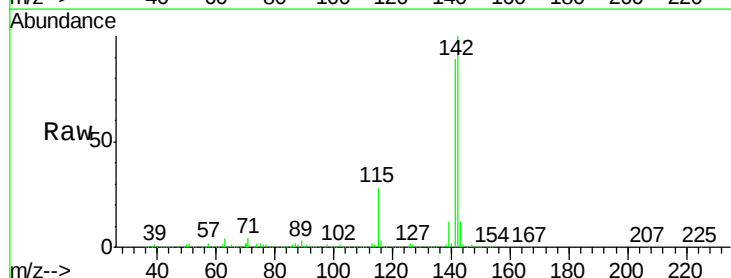
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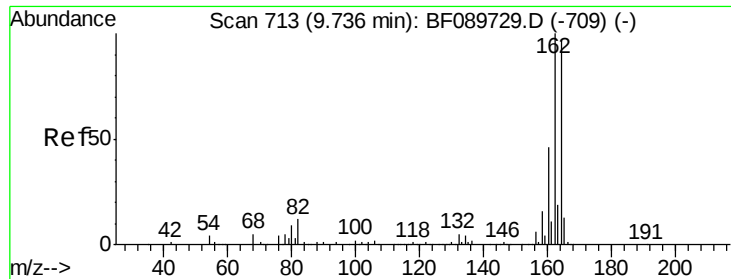
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#37
 2-Methylnaphthalene
 Concen: 42.28 ng
 RT: 8.71 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Tgt Ion:142 Resp: 3638046
 Ion Ratio Lower Upper
 142 100
 141 88.6 71.4 107.2
 115 28.4 22.7 34.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:164 Resp: 1302346

Ion Ratio Lower Upper

164 100

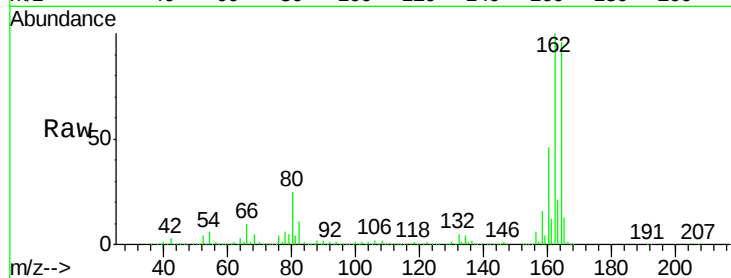
162 103.8 81.4 122.2

160 47.7 37.8 56.6

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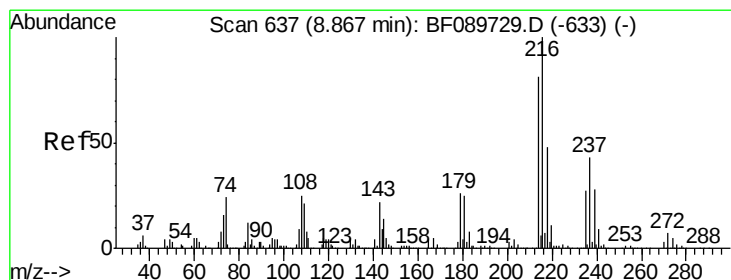
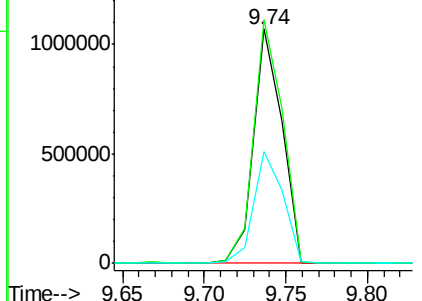
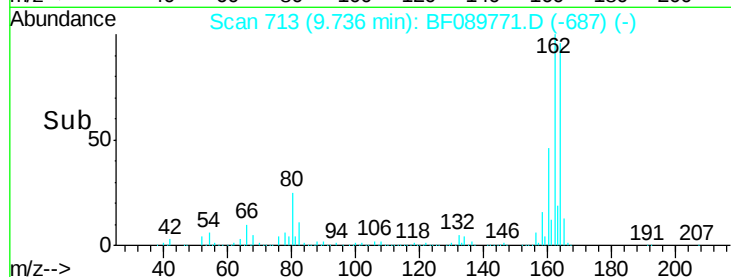
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 27.14 ng

RT: 8.87 min Scan# 637

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Tgt Ion:216 Resp: 1136443

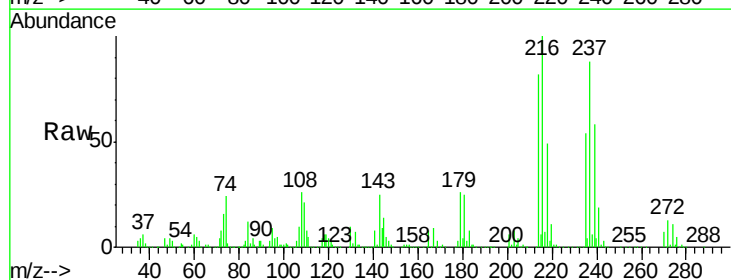
Ion Ratio Lower Upper

216 100

214 80.3 63.5 95.3

179 23.7 19.9 29.9

108 25.9 19.9 29.9

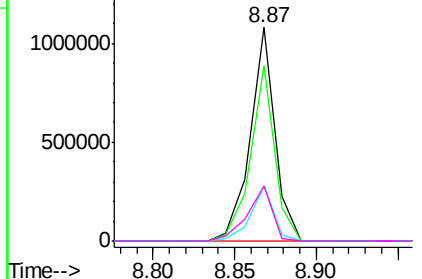
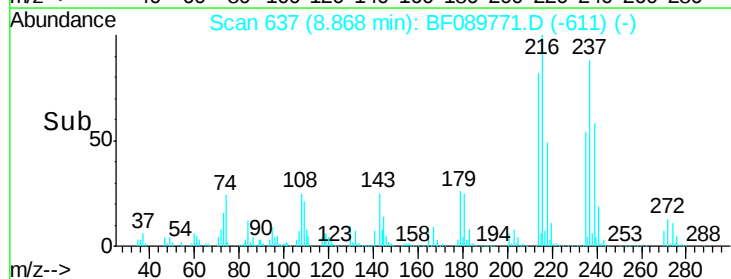


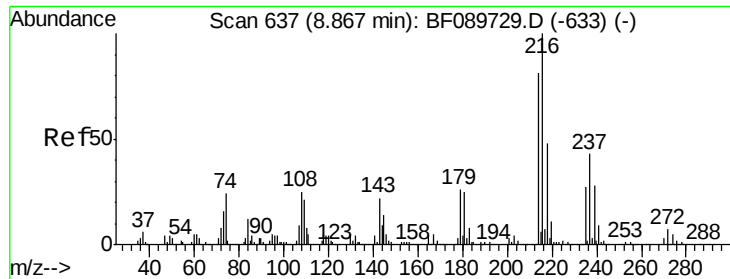
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





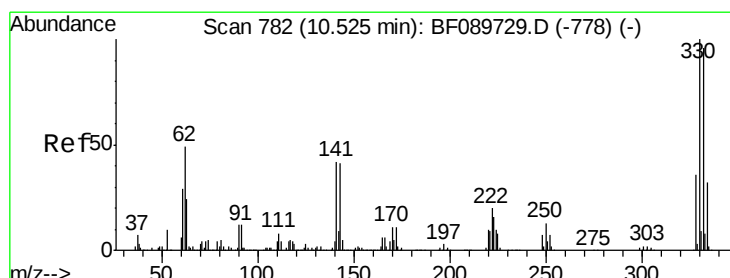
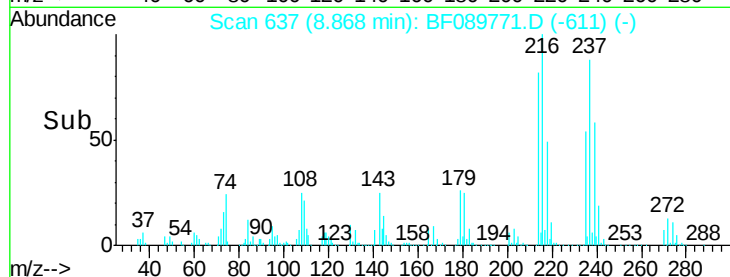
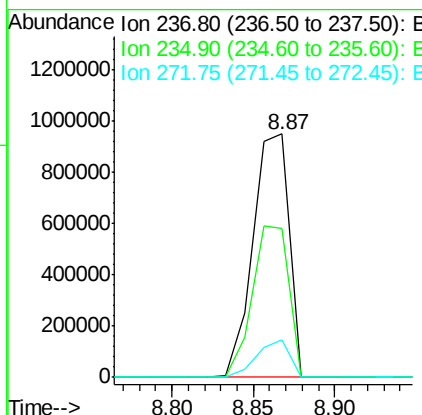
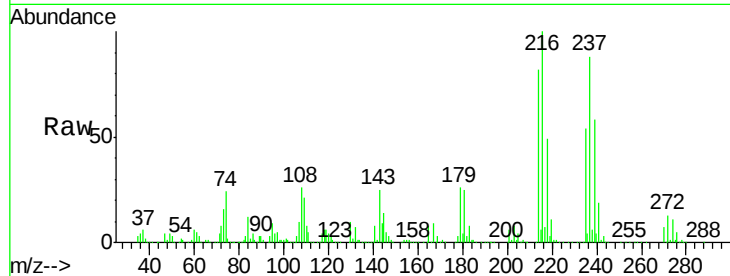
#40
Hexachlorocyclopentadiene
Concen: 78.22 ng
RT: 8.87 min Scan# 637
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion:237 Resp: 1459579
Ion Ratio Lower Upper
237 100
235 61.1 43.7 83.7
272 15.2 0.0 31.6

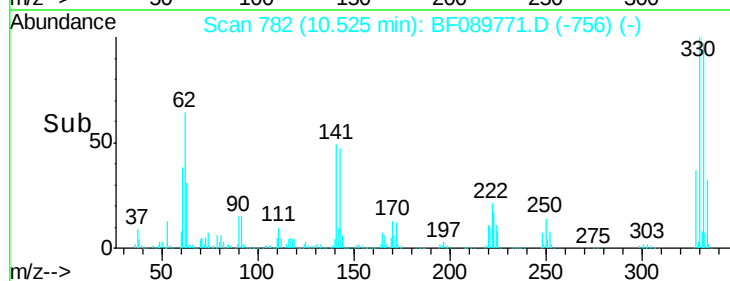
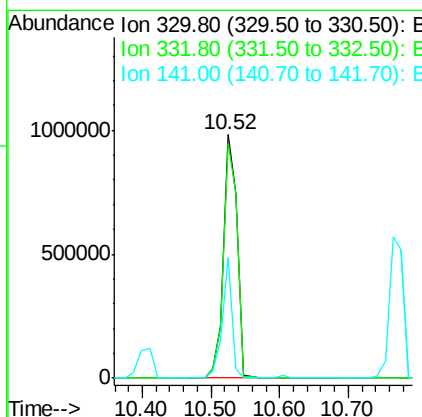
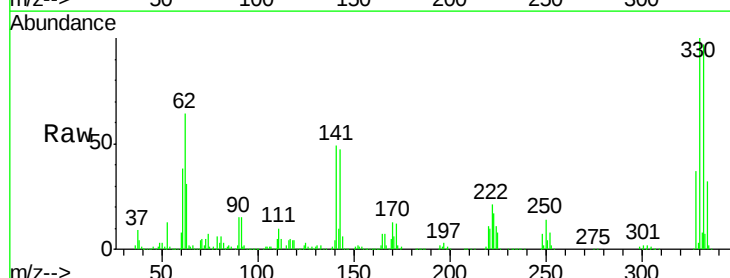
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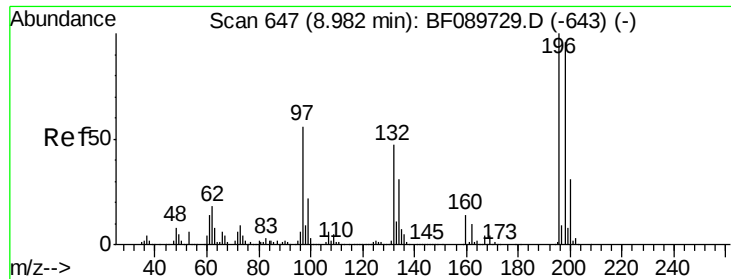
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#41
2,4,6-Tribromophenol
Concen: 109.50 ng
RT: 10.52 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion:330 Resp: 1379653
Ion Ratio Lower Upper
330 100
332 97.6 76.7 115.1
141 35.3 30.2 45.2





#42

2,4,6-Trichlorophenol

Concen: 43.56 ng

RT: 8.98 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:196 Resp: 1178022

Ion Ratio Lower Upper

196 100

198 94.8 76.3 114.5

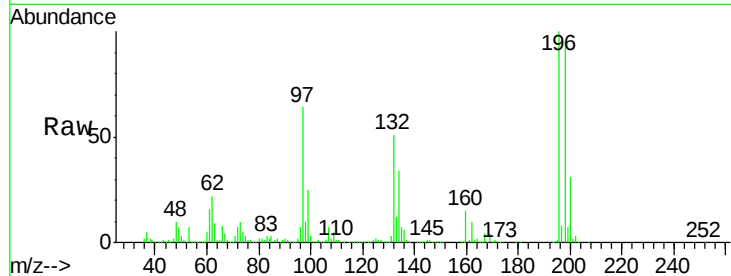
200 30.7 24.6 36.8

Manual Integrations

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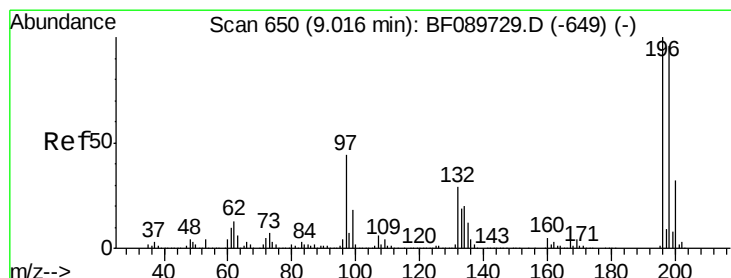
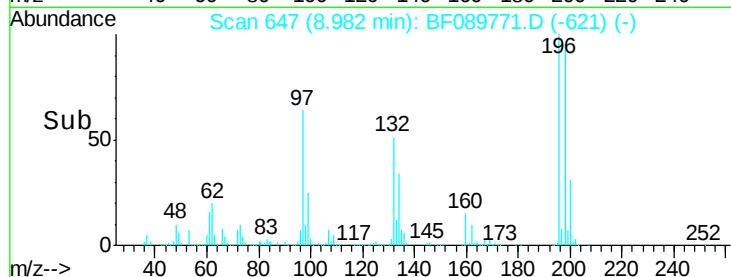
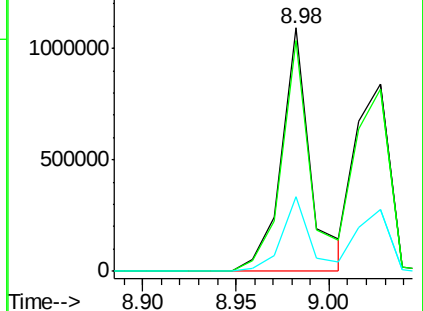
8/18/2016 5:59:22 PM



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 41.03 ng

RT: 9.03 min Scan# 651

Delta R.T. 0.01 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Tgt Ion:196 Resp: 1058024

Ion Ratio Lower Upper

196 100

198 97.5 76.6 114.8

97 31.7 35.8 53.8#

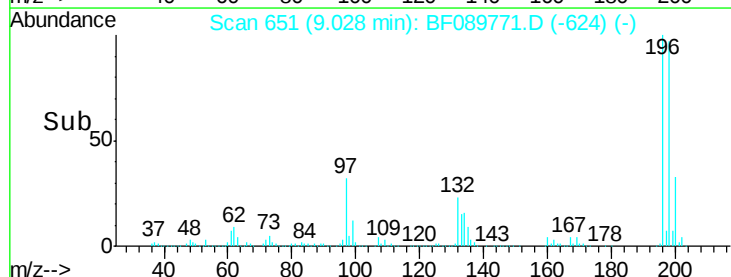
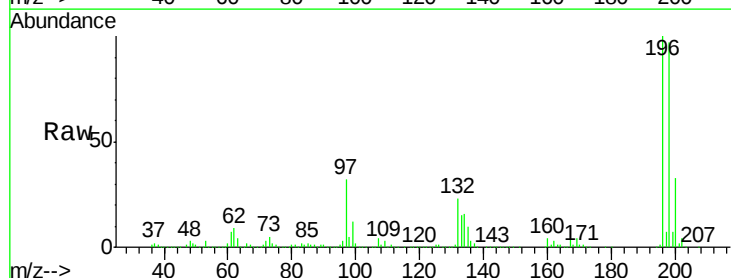
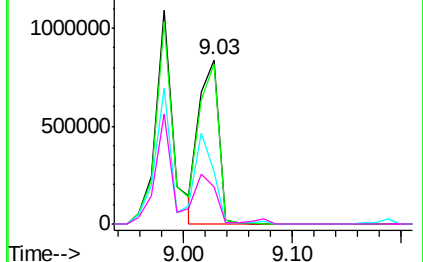
132 22.9 23.5 35.3#

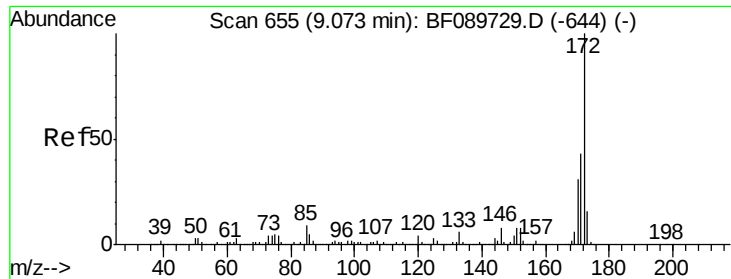
Abundance Ion 196.00 (195.70 to 196.70): E

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: 69.63 ng

RT: 9.07 min Scan# 655

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:172 Resp: 5651593

Ion Ratio Lower Upper

172 100

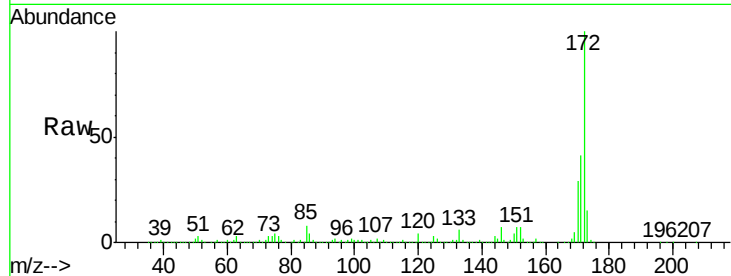
171 41.2 30.5 45.7

170 29.1 20.6 31.0

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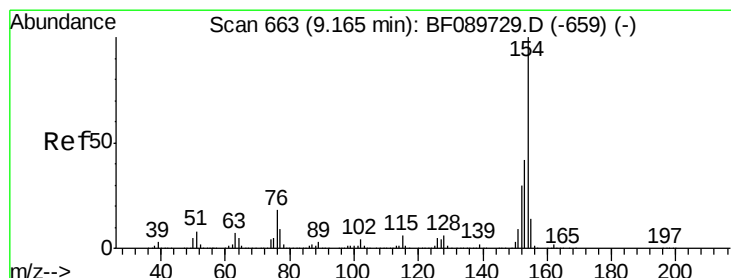
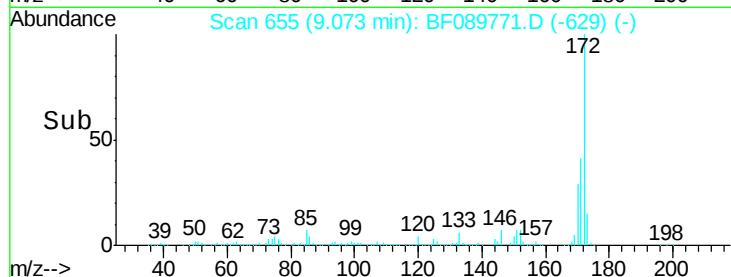
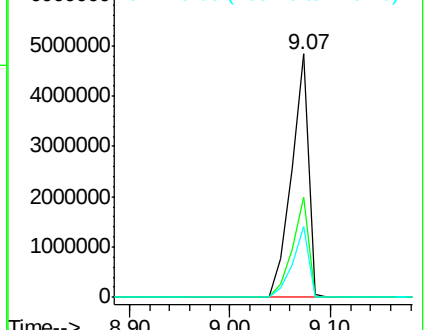
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 31.84 ng

RT: 9.16 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

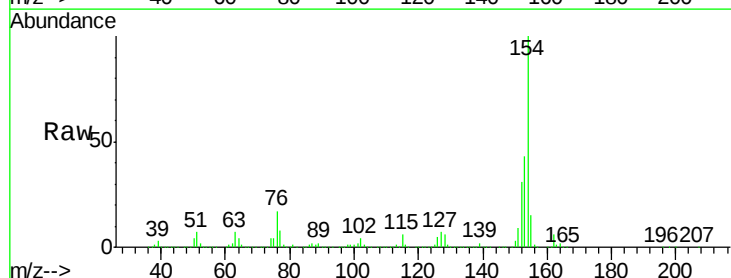
Tgt Ion:154 Resp: 3434786

Ion Ratio Lower Upper

154 100

153 42.6 21.5 61.5

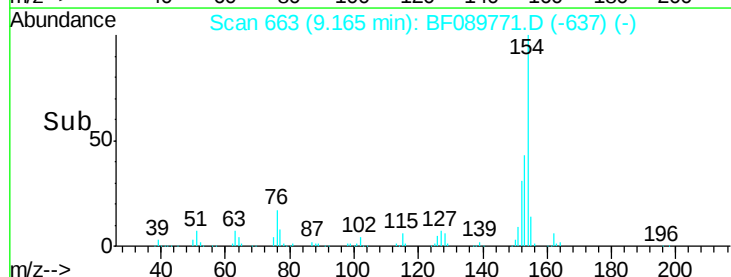
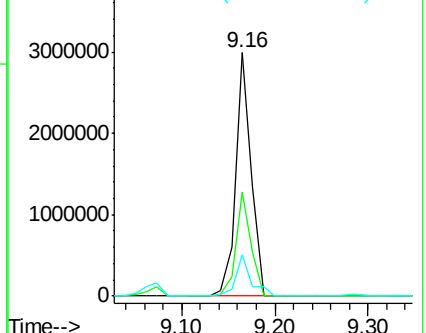
76 16.9 0.0 36.7

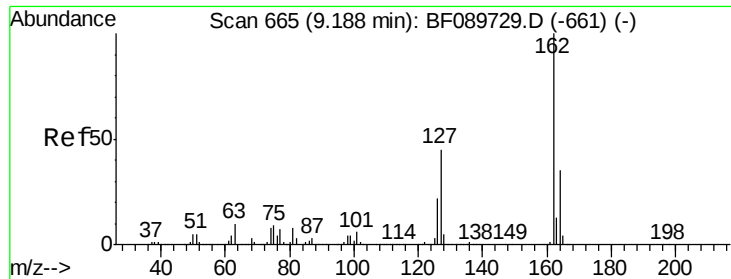


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





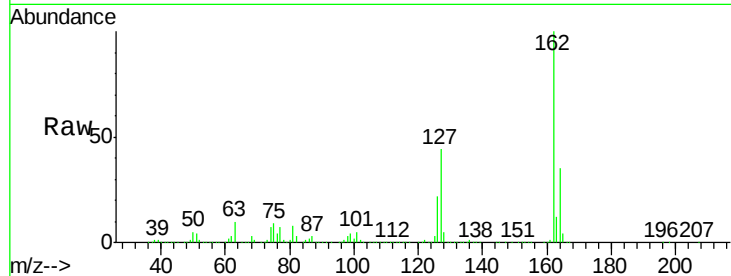
#46
2-Chloronaphthalene
Concen: 37.67 ng
RT: 9.19 min Scan# 665
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

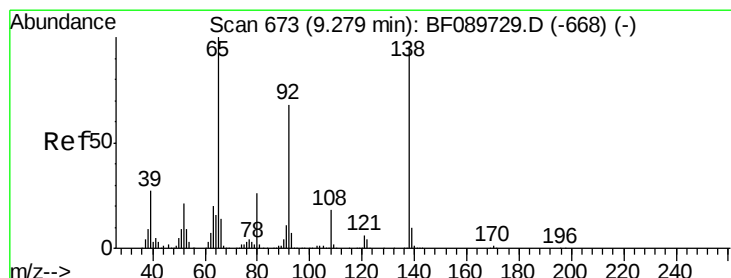
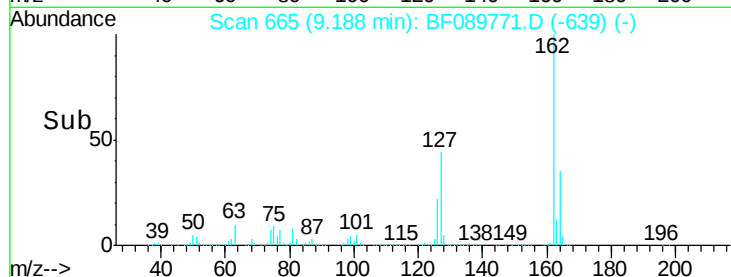
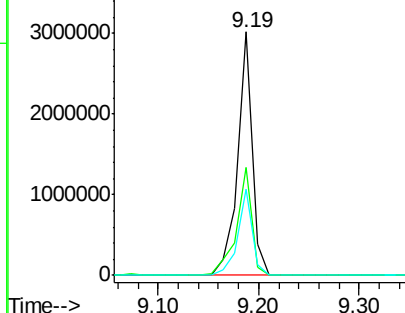
Tot Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.5	53.3
164	35.3	26.6	40.0

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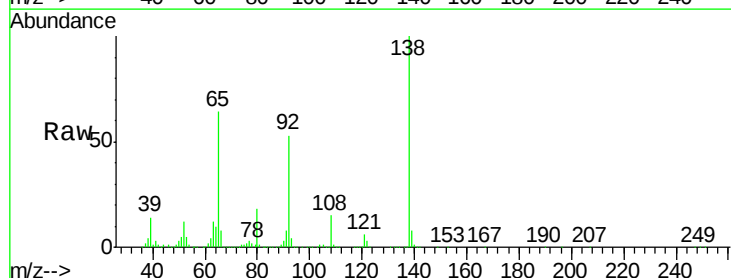


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

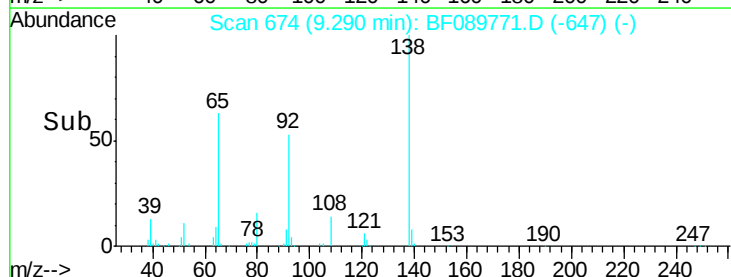
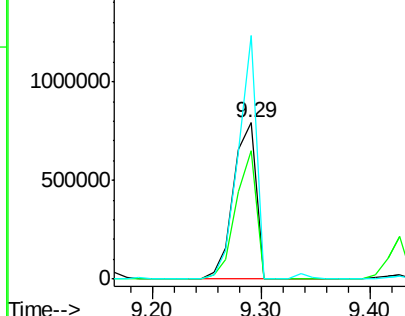


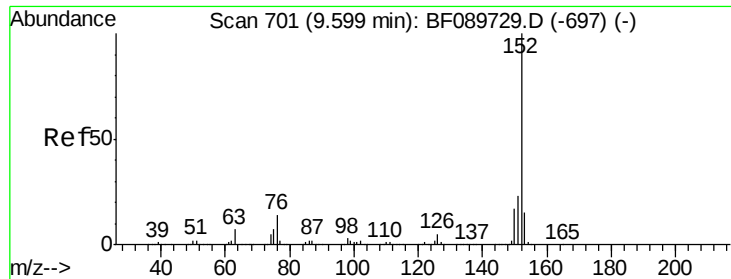
#47
2-Nitroaniline
Concen: 45.74 ng
RT: 9.29 min Scan# 674
Delta R.T. 0.01 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
65	100		
92	82.2	56.3	84.5
138	155.6	81.8	122.8#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 38.59 ng

RT: 9.60 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:152 Resp: 4801114

Ion Ratio Lower Upper

152 100

151 22.6 17.1 25.7

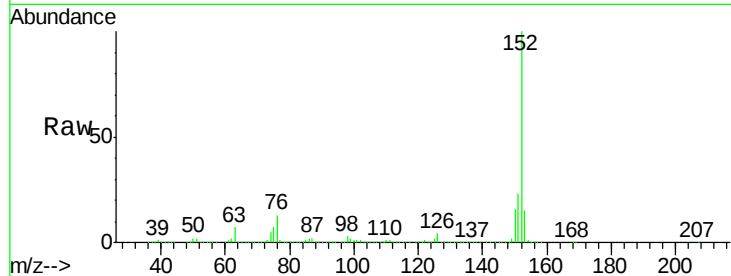
153 15.3 11.2 16.8

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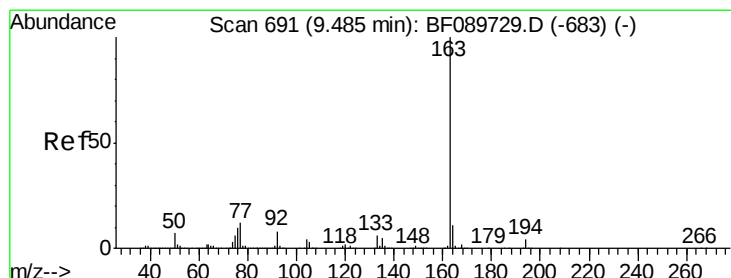
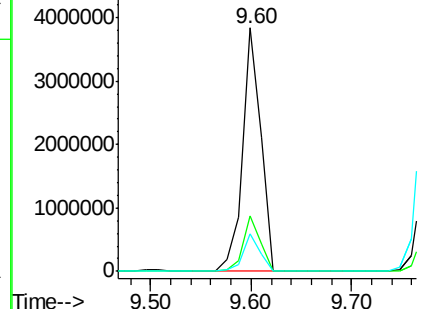
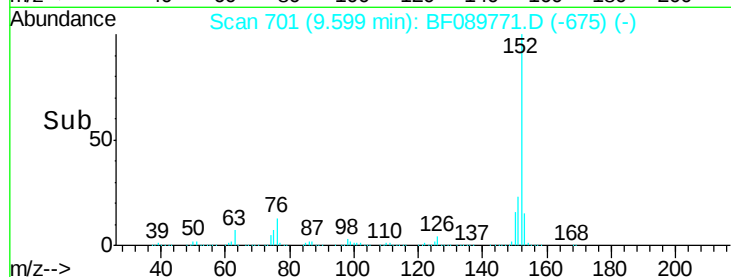
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 60.52 ng

RT: 9.48 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

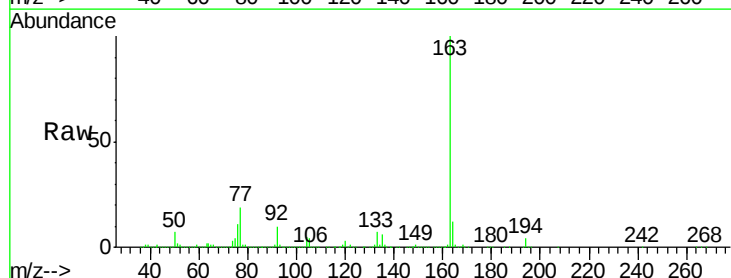
Tgt Ion:163 Resp: 5703542

Ion Ratio Lower Upper

163 100

194 4.1 2.6 3.8#

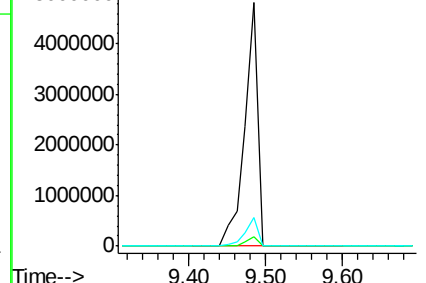
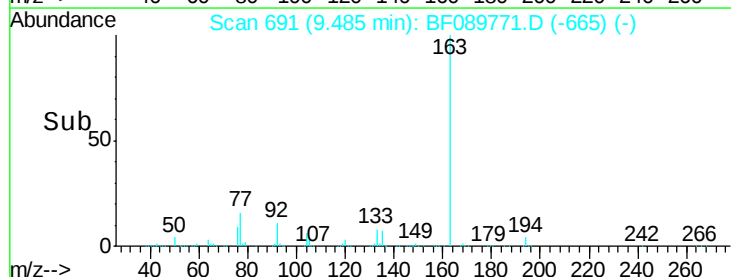
164 11.9 8.6 12.8

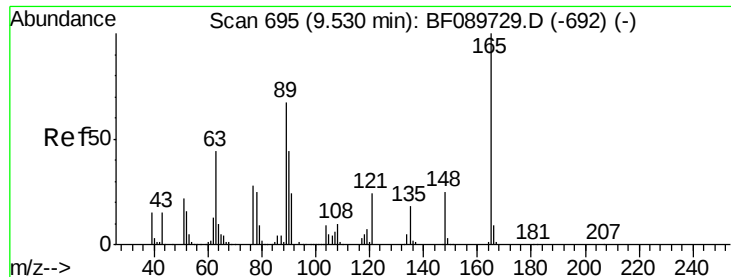


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





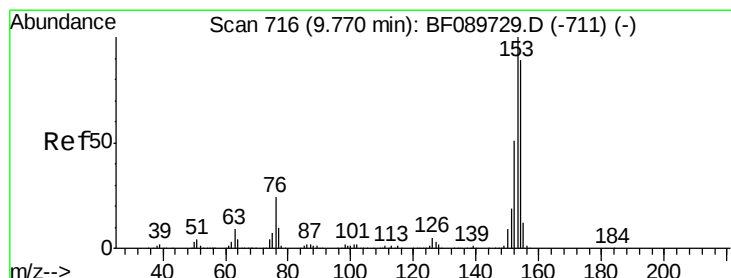
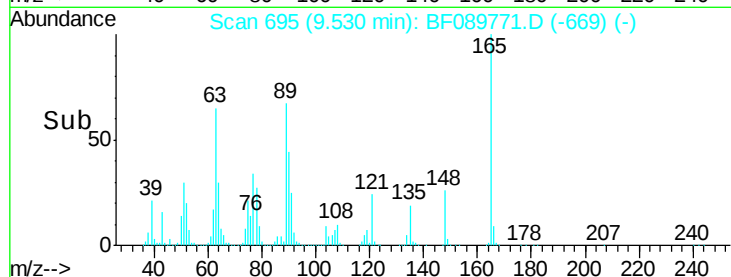
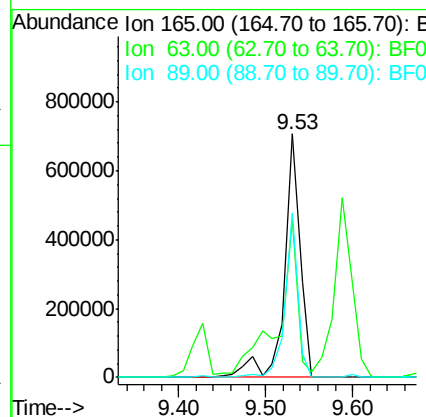
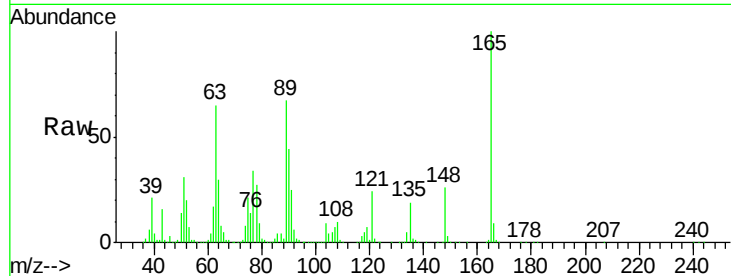
#50
2,6-Dinitrotoluene
Concen: 41.24 ng
RT: 9.53 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	879496		
63	64.7	41.7	62.5#	
89	67.3	44.6	67.0#	

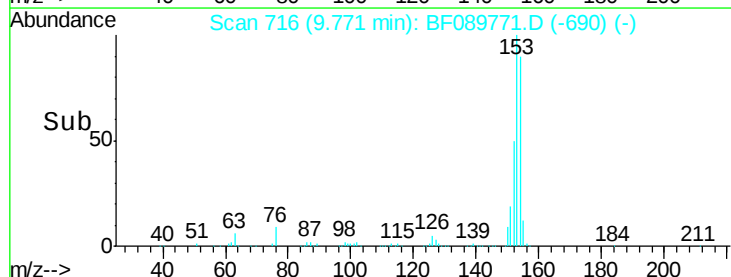
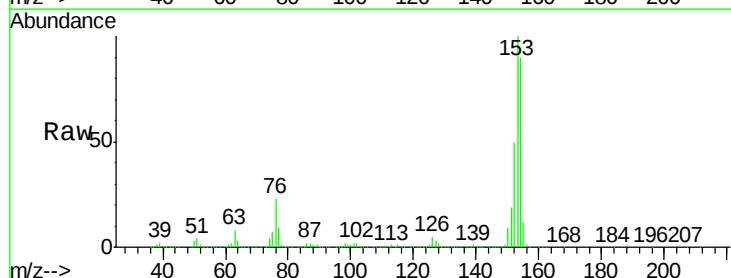
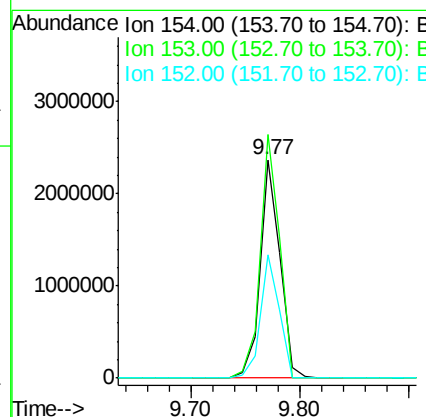
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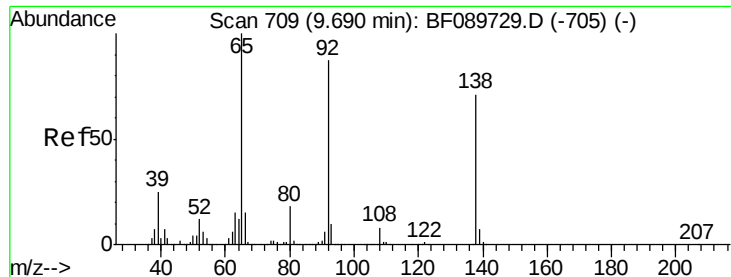
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#51
Acenaphthene
Concen: 35.76 ng
RT: 9.77 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	3002099		
153	111.6	90.5	135.7	
152	56.2	44.6	67.0	





#52

3-Nitroaniline

Concen: 16.17 ng

RT: 9.69 min Scan# 709

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

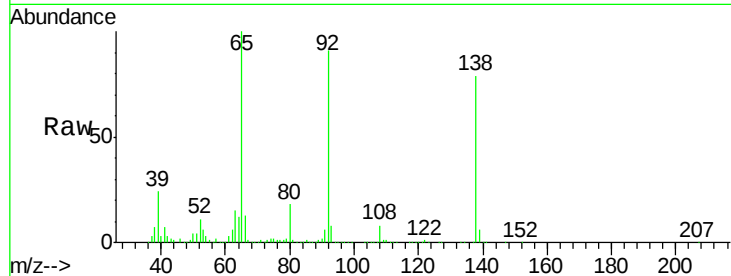
ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:138	Resp:	400882
Ion Ratio	Lower	Upper
138	100	
108	10.1	8.1 12.1
92	115.3	92.7 139.1

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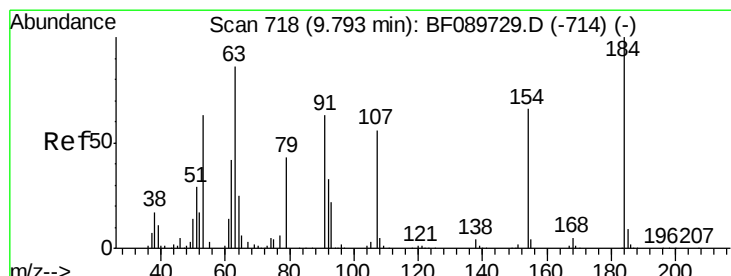
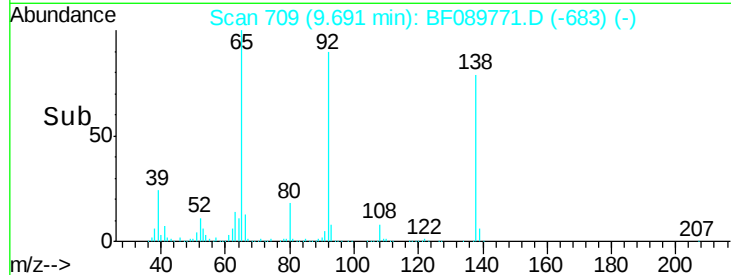
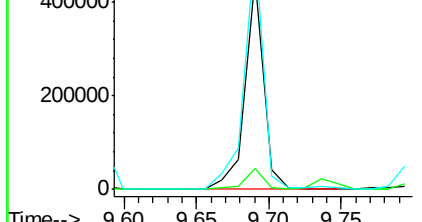
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 16.03 ng

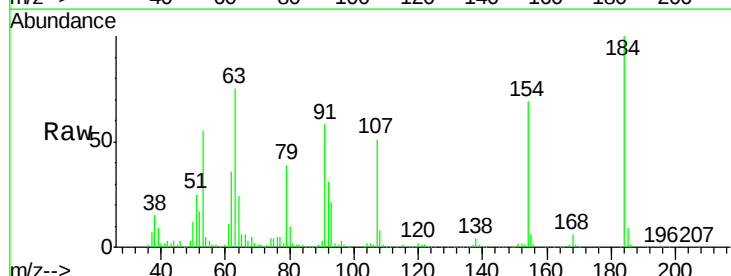
RT: 9.79 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

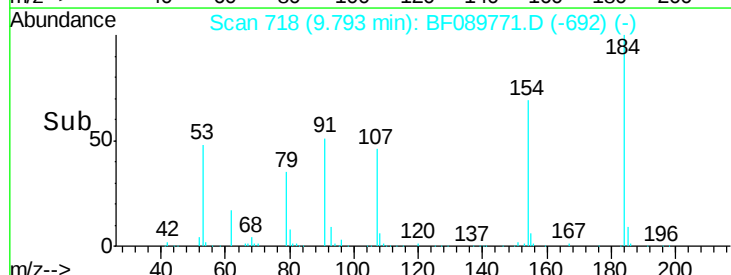
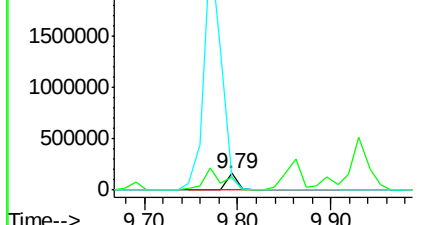
Tgt Ion:184	Resp:	138830
Ion Ratio	Lower	Upper
184	100	
63	74.8	54.2 81.4
154	69.2	52.7 79.1

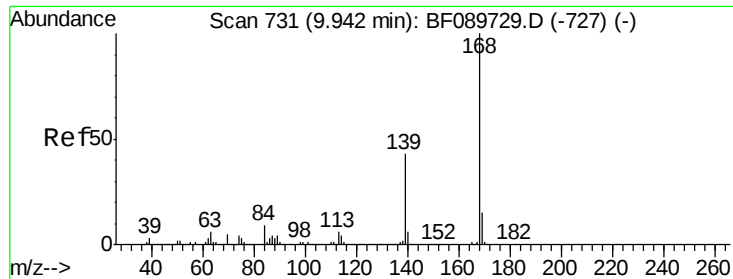


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





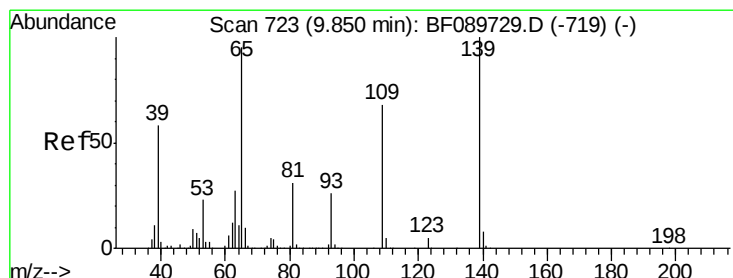
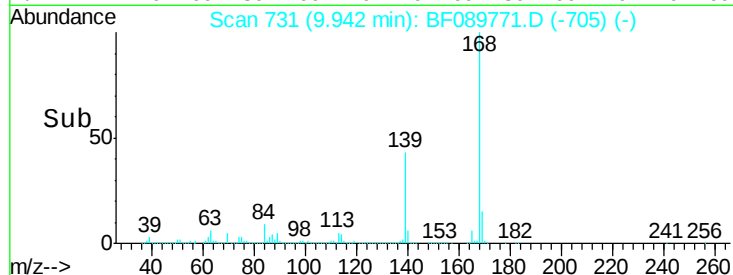
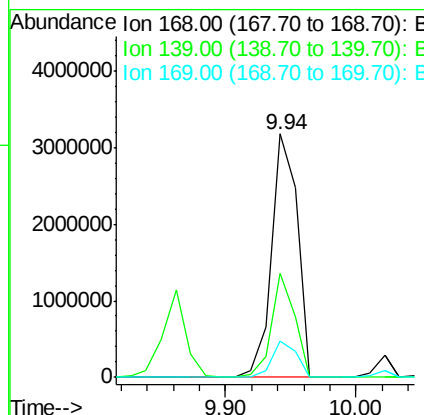
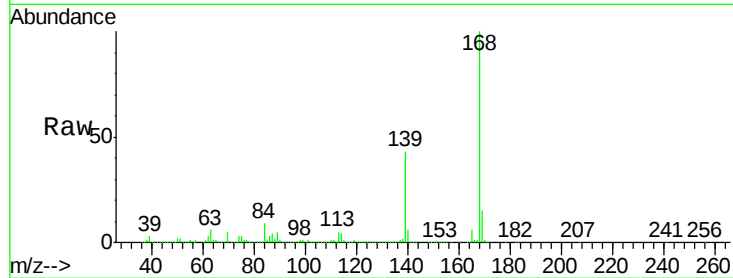
#54
Dibenzenofuran
Concen: 42.49 ng
RT: 9.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion:168 Resp: 4390677
Ion Ratio Lower Upper
168 100
139 42.8 34.6 52.0
169 15.0 11.5 17.3

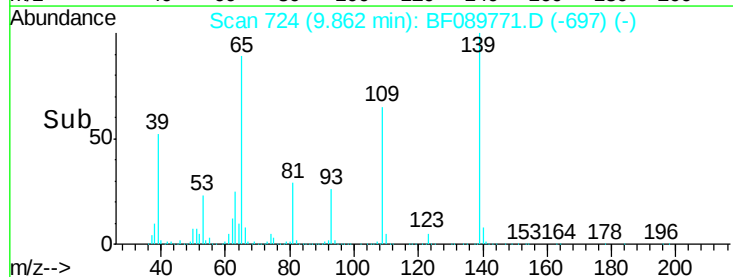
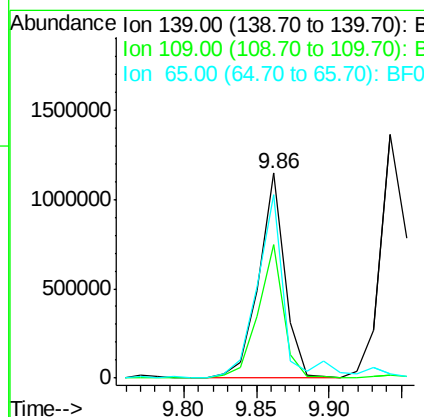
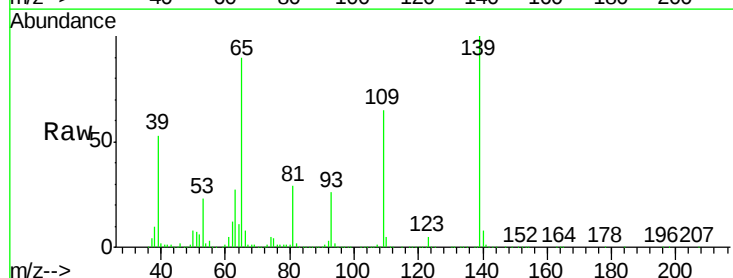
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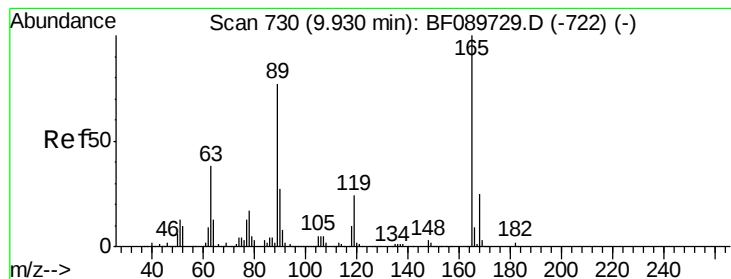
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#55
4-Nitrophenol
Concen: 74.74 ng
RT: 9.86 min Scan# 724
Delta R.T. 0.01 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion:139 Resp: 1425890
Ion Ratio Lower Upper
139 100
109 64.9 43.0 83.0
65 89.6 55.7 95.7





#56

2,4-Dinitrotoluene

Concen: 38.55 ng

RT: 9.93 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:165 Resp: 1056976

Ion Ratio Lower Upper

165 100

63 49.8 23.7 35.5#

89 81.7 44.0 66.0#

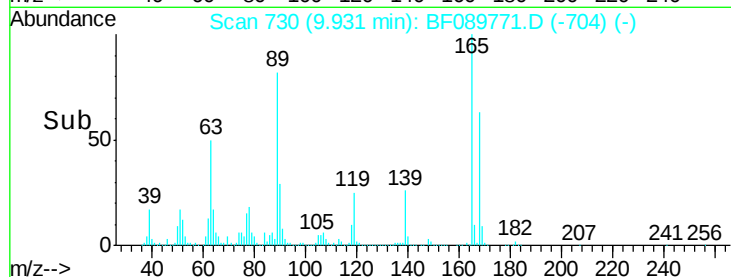
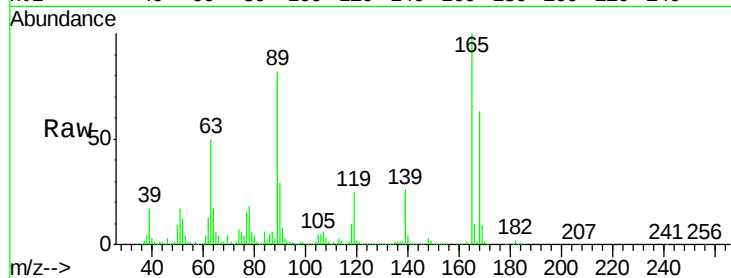
182 2.0 2.0 3.0

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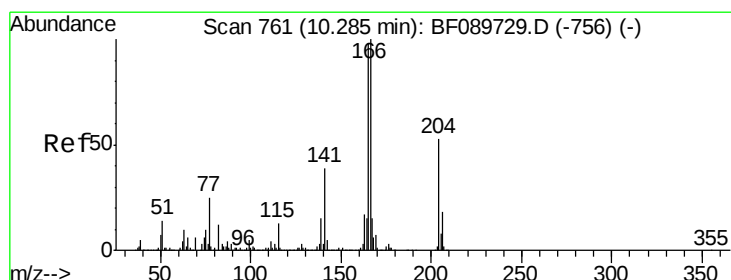
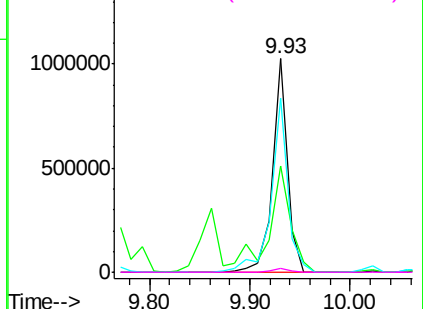


Abundance Ion 165.00 (164.70 to 165.70): E

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: 35.77 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

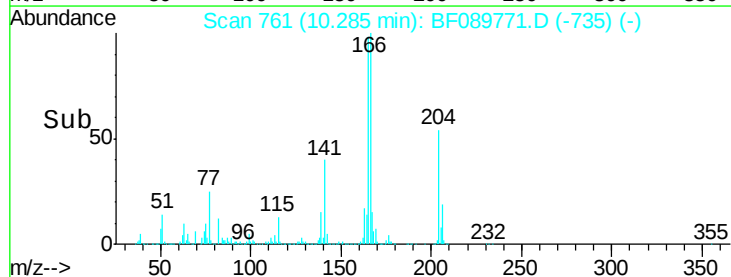
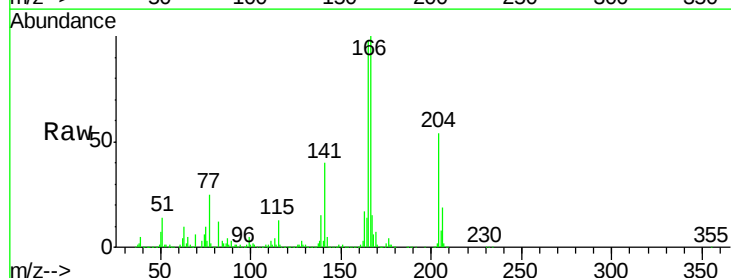
Tgt Ion:166 Resp: 2985678

Ion Ratio Lower Upper

166 100

165 97.7 80.2 120.4

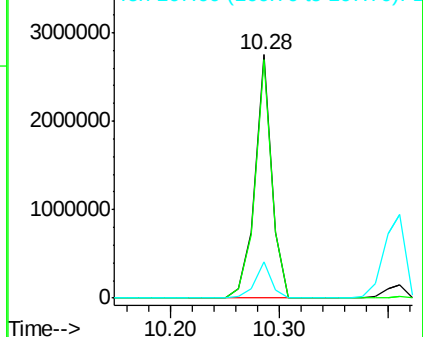
167 14.7 11.3 16.9

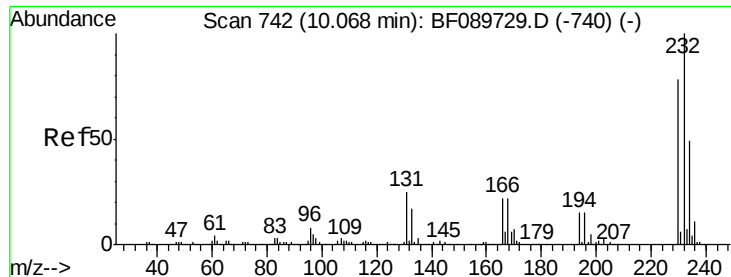


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





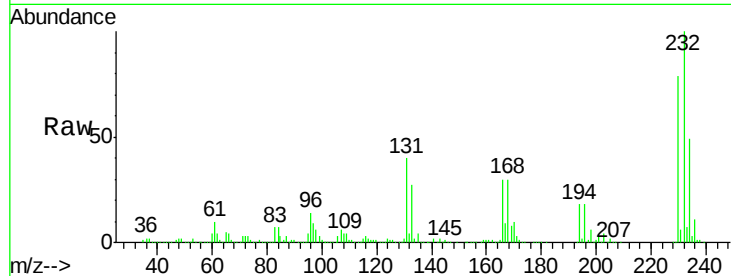
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 45.63 ng
 RT: 10.07 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MSD

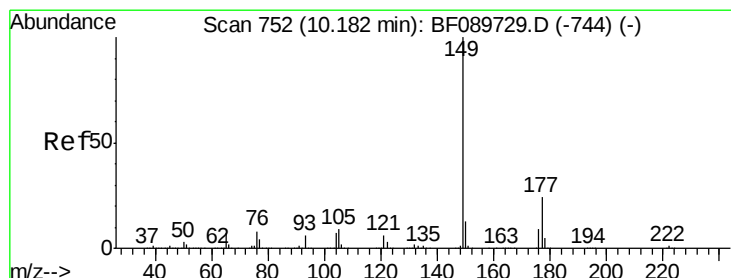
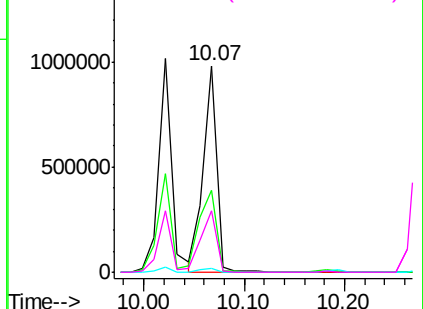
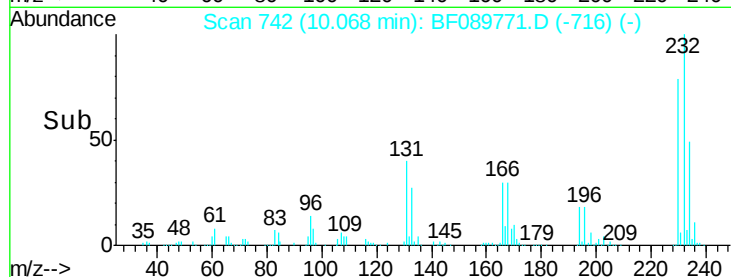
Tot Ion	Ratio	Lower	Upper
232	100		
131	49.9	42.5	63.7
130	2.4	2.2	3.4
166	33.9	27.3	40.9

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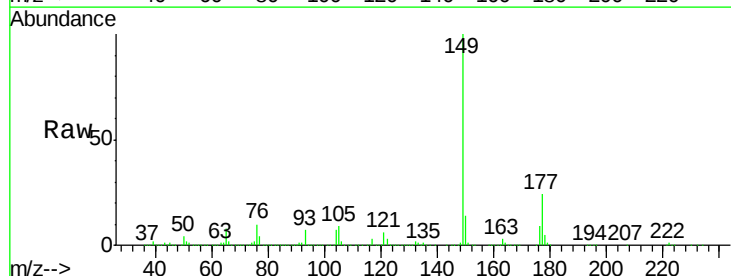


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

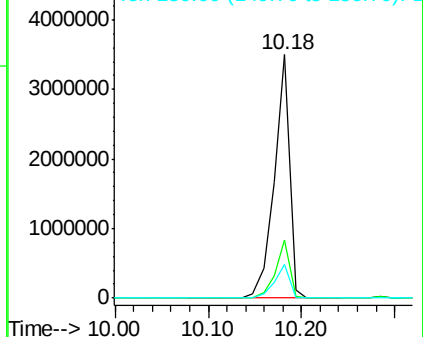
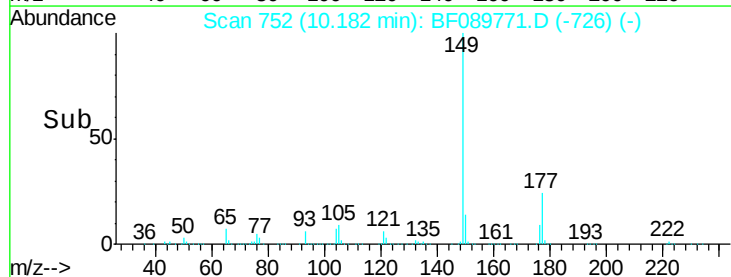


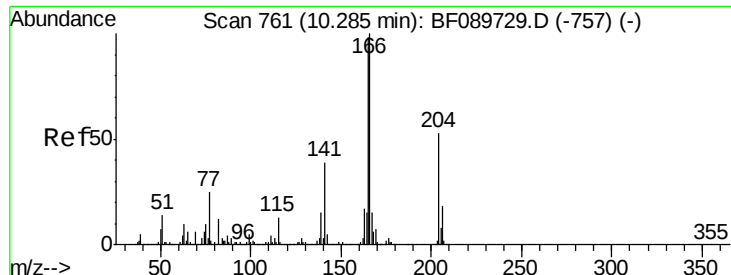
#59
 Diethylphthalate
 Concen: 41.40 ng
 RT: 10.18 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.8	16.6	25.0
150	13.8	10.5	15.7



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





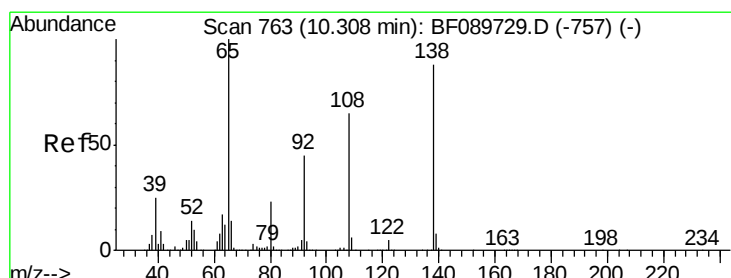
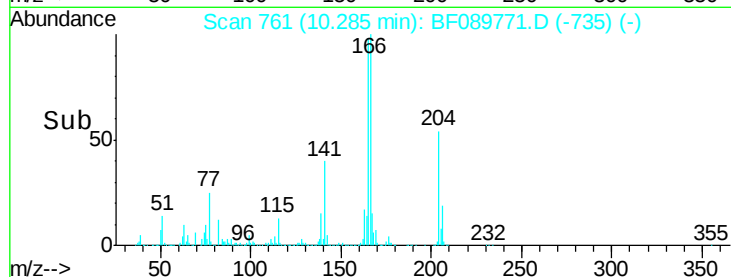
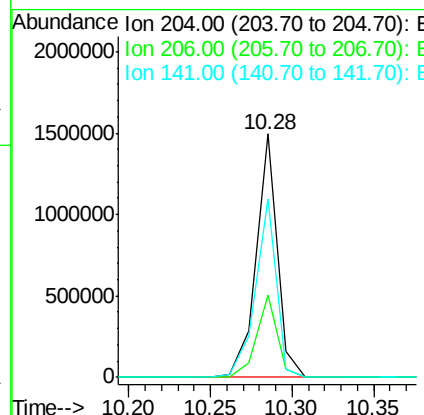
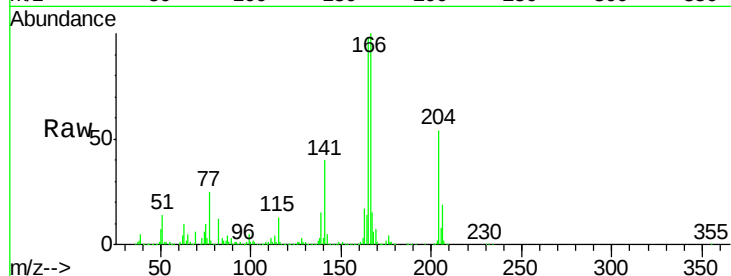
#60
4-Chlorophenyl-phenylether
Concen: 32.79 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.5	39.7
141	73.3	54.1	81.1

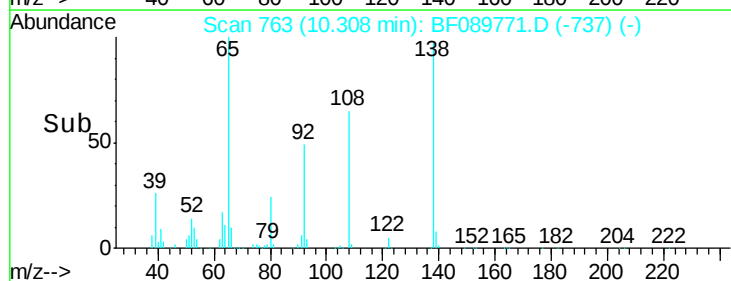
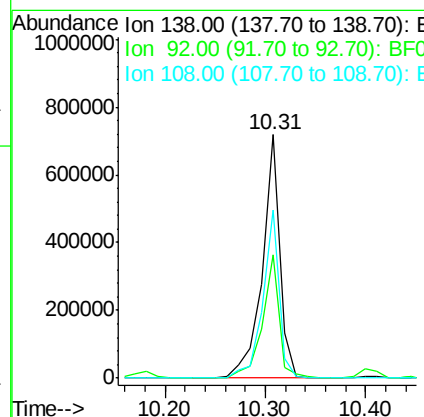
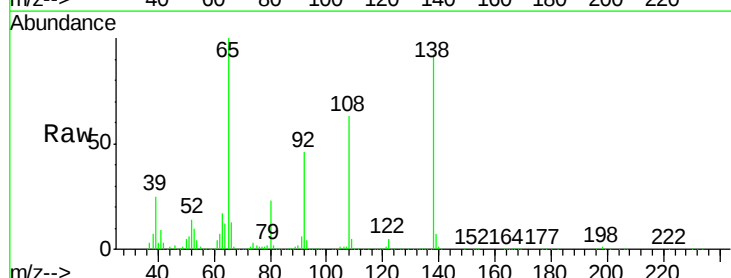
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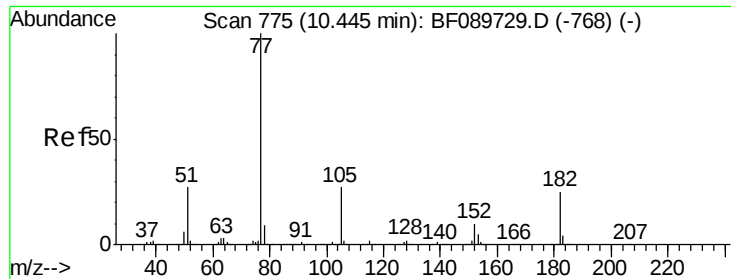
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#61
4-Nitroaniline
Concen: 36.34 ng
RT: 10.31 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.7	26.4	66.4
108	69.2	47.0	87.0





#62

Azobenzene

Concen: 45.58 ng

RT: 10.44 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion: 77 Resp: 4114890

Ion Ratio Lower Upper

77 100

182 25.9 5.6 45.6

105 27.6 4.0 44.0

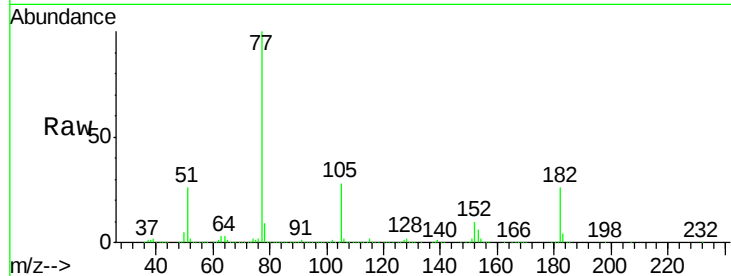
51 26.3 7.8 47.8

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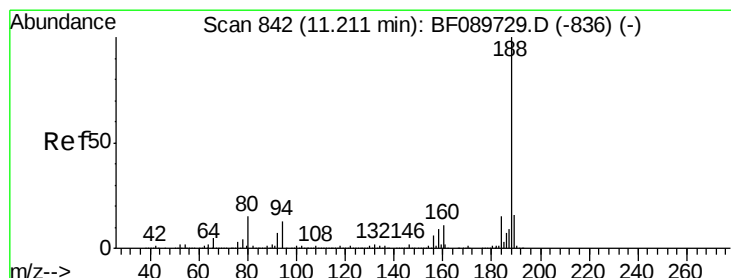
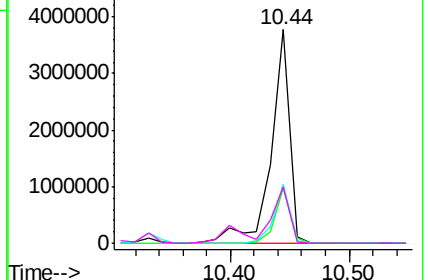
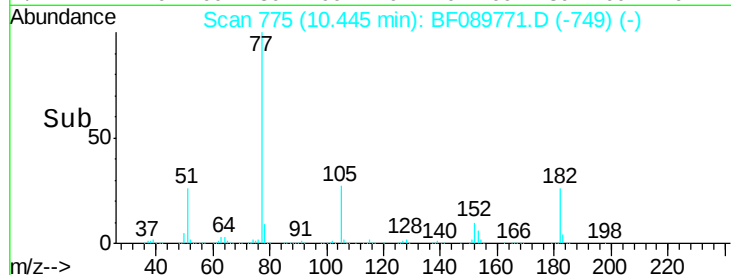


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

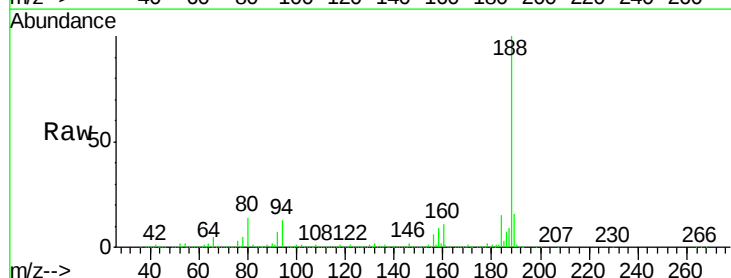
Tgt Ion: 188 Resp: 2441724

Ion Ratio Lower Upper

188 100

94 13.5 10.2 15.2

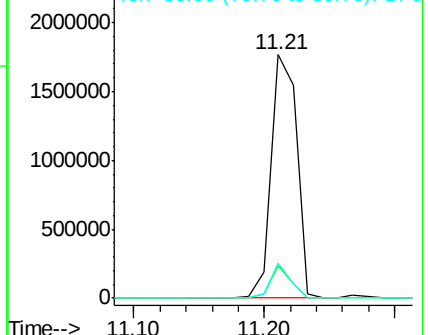
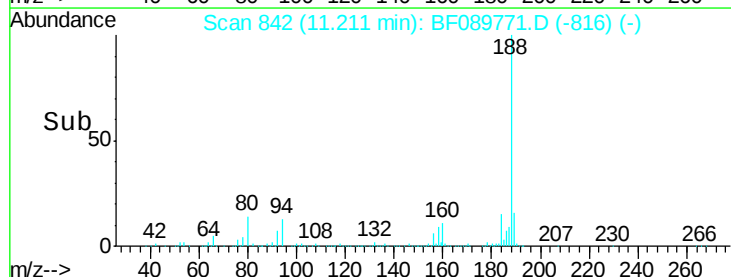
80 14.4 10.9 16.3

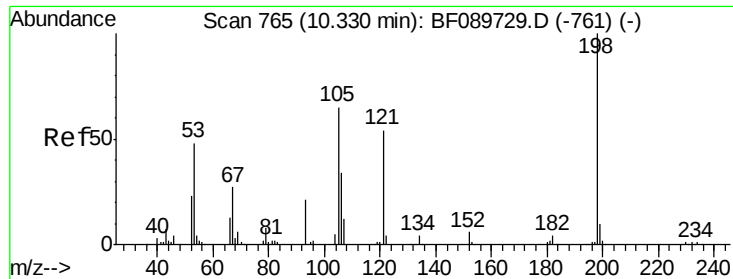


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





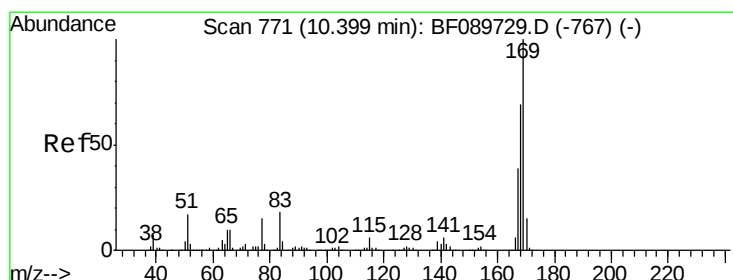
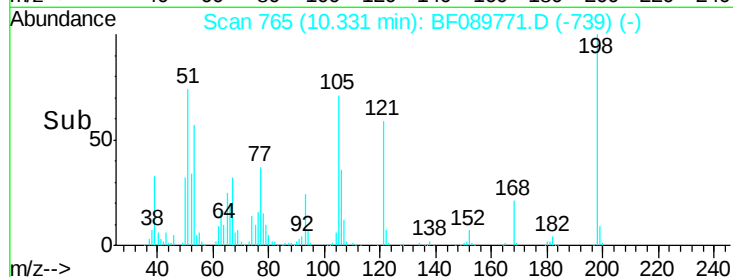
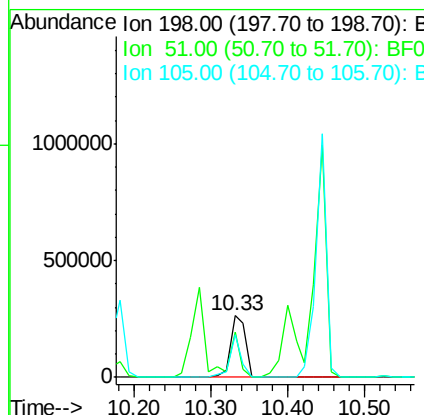
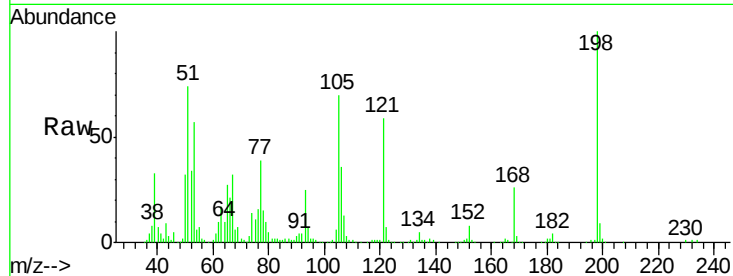
#64
4,6-Dinitro-2-methylphenol
Concen: 26.01 ng
RT: 10.33 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	368776		
51	73.6	32.3	72.3#	
105	70.0	32.9	72.9	

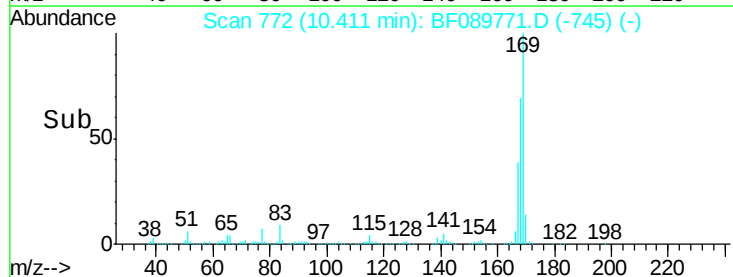
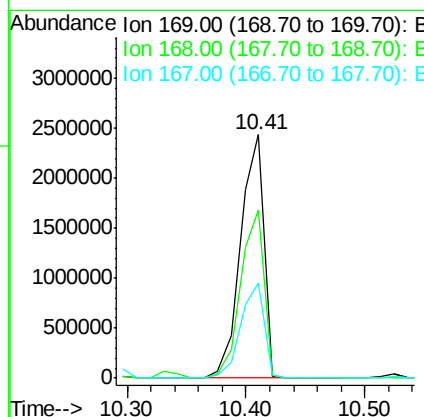
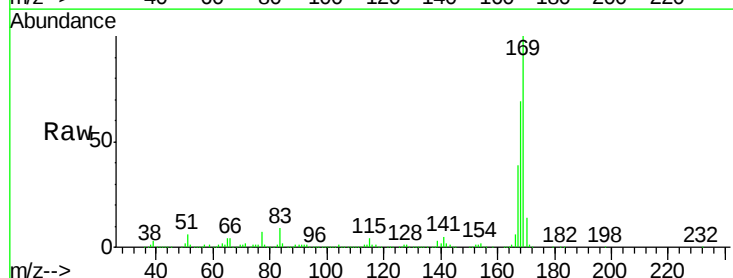
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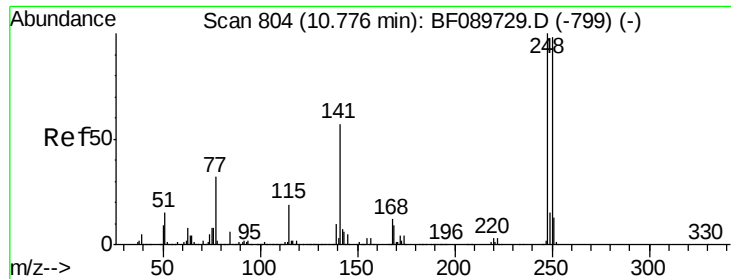
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#65
n-Nitrosodiphenylamine
Concen: 43.24 ng
RT: 10.41 min Scan# 772
Delta R.T. 0.01 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	3313338		
168	69.2	54.6	82.0	
167	39.1	30.6	45.8	





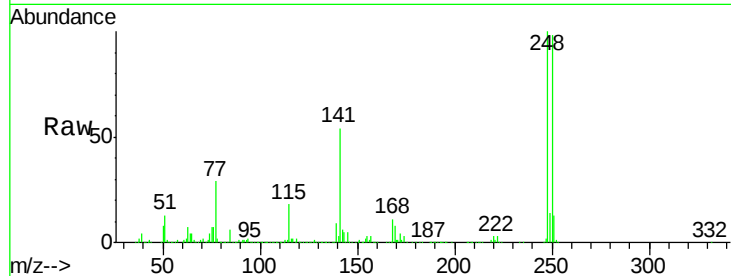
#66
4-Bromophenyl-phenylether
Concen: 40.80 ng
RT: 10.78 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.6	117.8
141	53.7	31.4	47.2

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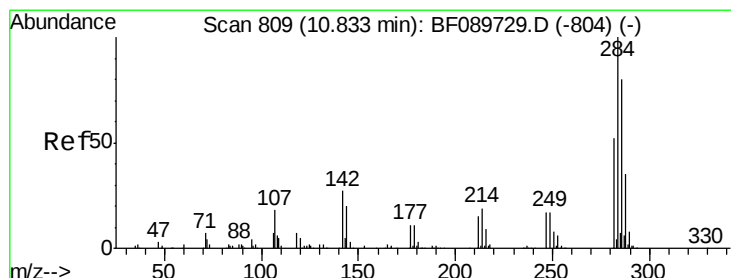
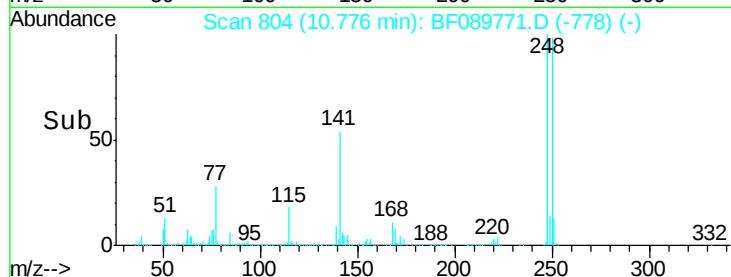
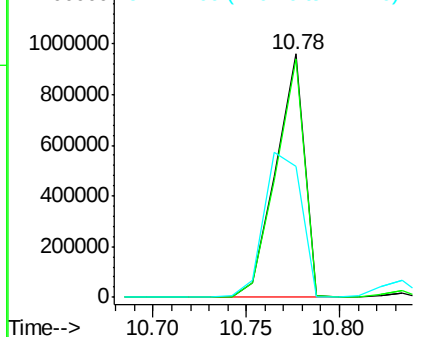


Abundance

Ion 248.00 (247.70 to 248.70): E

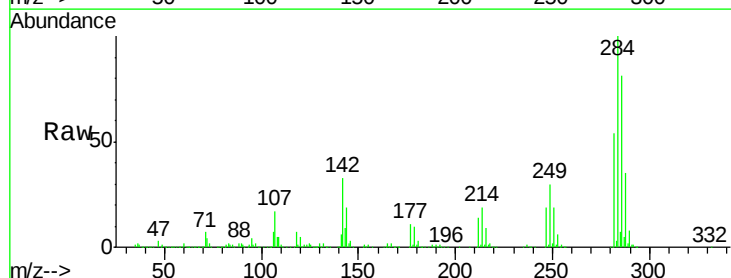
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#67
Hexachlorobenzene
Concen: 40.06 ng
RT: 10.83 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.6	17.4	26.2
249	30.0	22.8	34.2

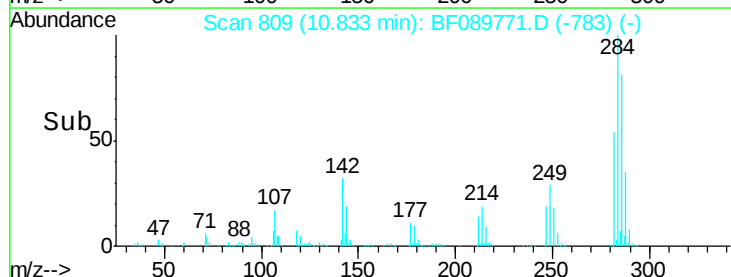
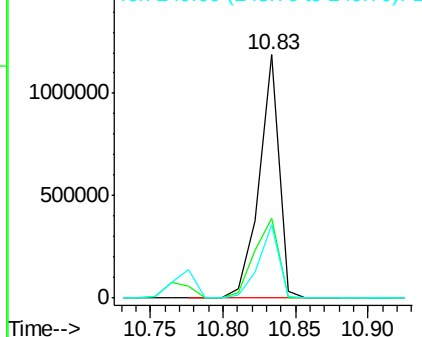


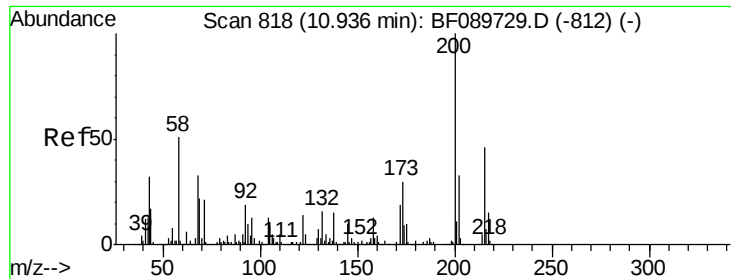
Abundance

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





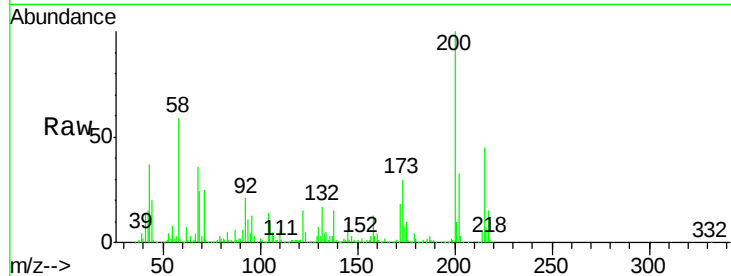
#68
Atrazine
Concen: 38.79 ng
RT: 10.94 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

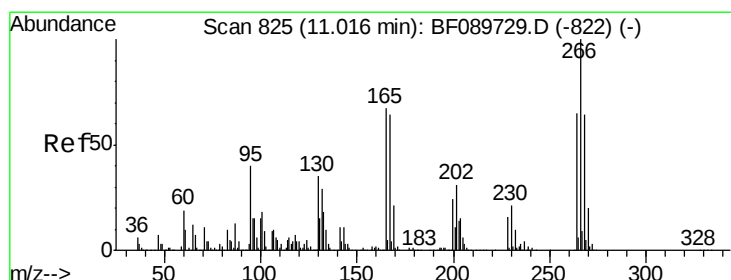
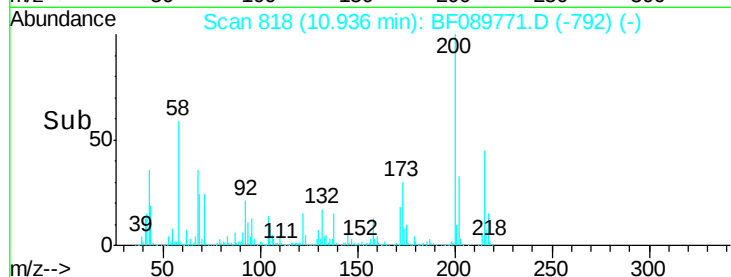
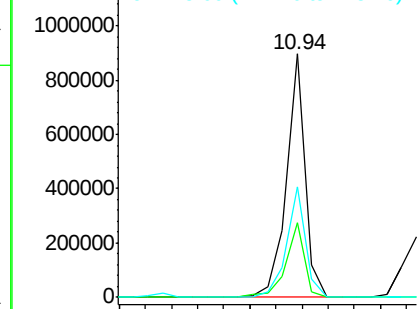
Tot Ion	Ratio	Resp	Lower	Upper
200	100	900489		
173	30.5	6.6	46.6	
215	45.3	24.7	64.7	

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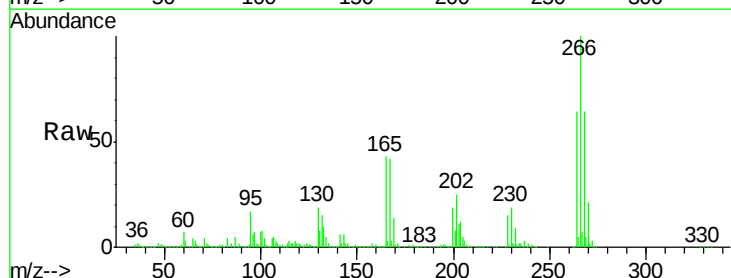


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

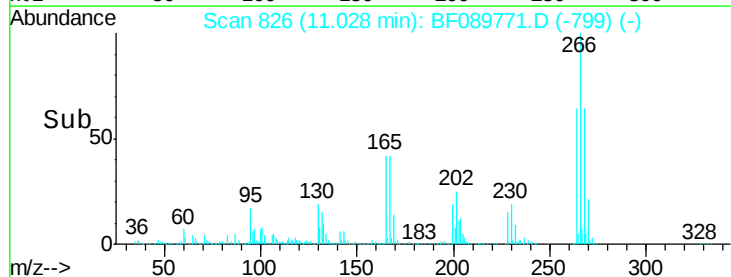
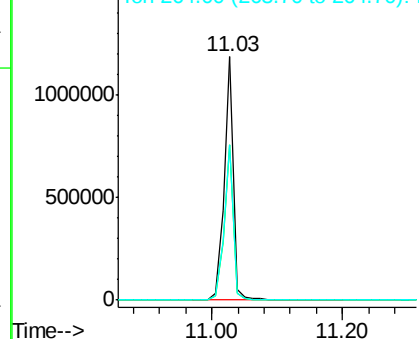


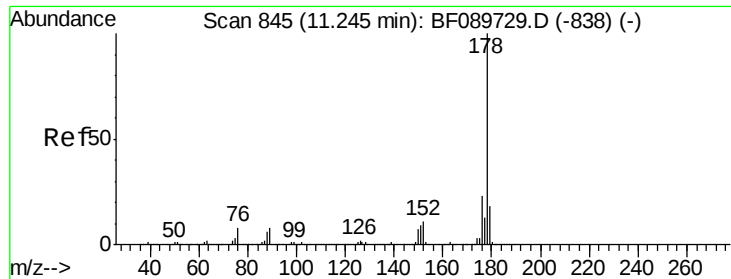
#69
Pentachlorophenol
Concen: 69.35 ng
RT: 11.03 min Scan# 826
Delta R.T. 0.01 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	1214384		
268	63.6	53.2	79.8	
264	63.9	51.1	76.7	



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





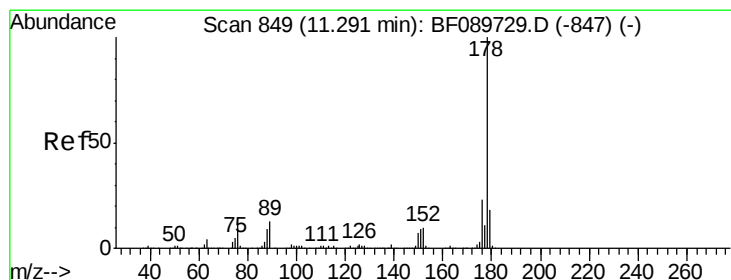
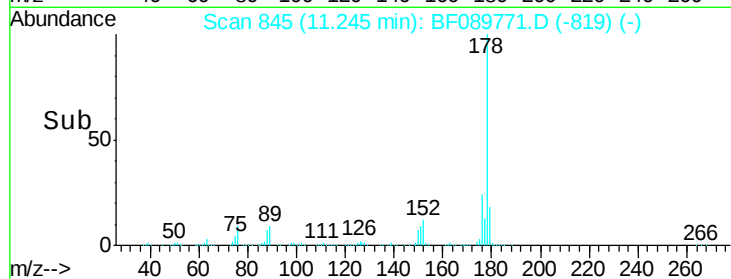
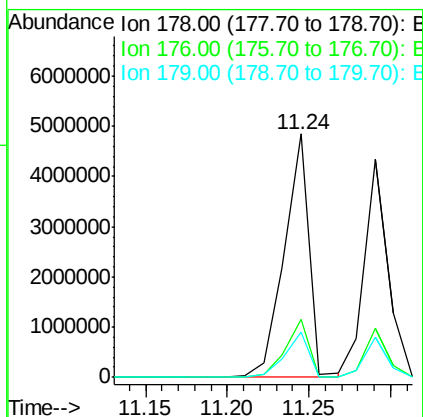
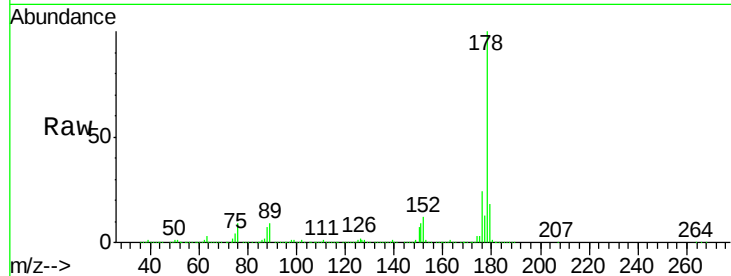
#70
Phenanthrene
Concen: 42.78 ng
RT: 11.24 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion:178 Resp: 5134410
Ion Ratio Lower Upper
178 100
176 23.8 16.4 24.6
179 18.4 12.5 18.7

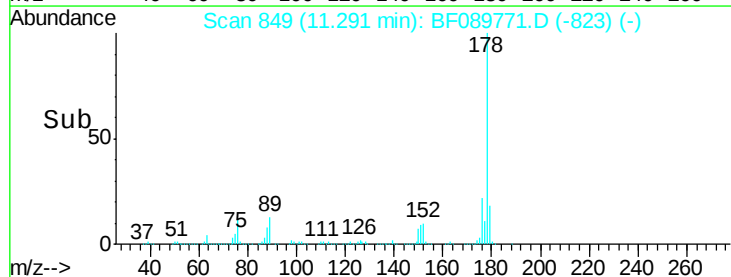
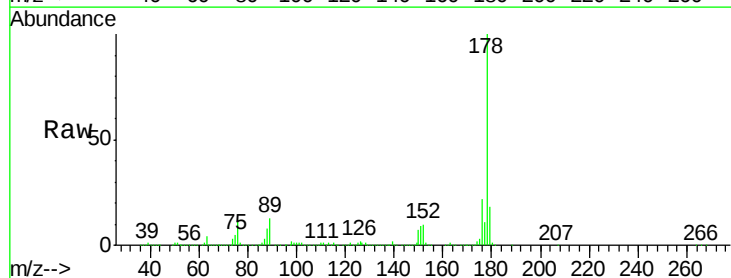
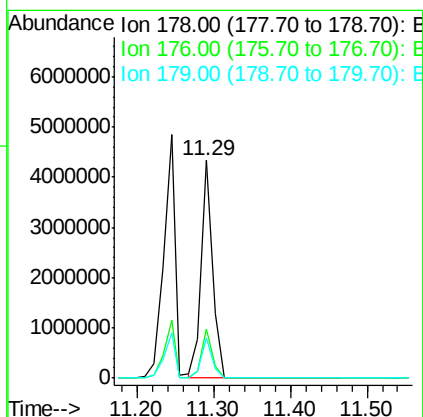
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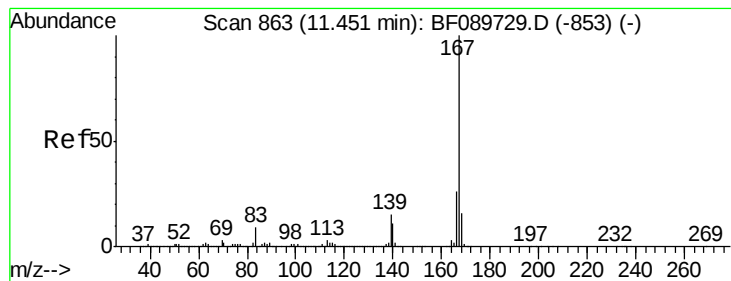
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#71
Anthracene
Concen: 35.15 ng
RT: 11.29 min Scan# 849
Delta R.T. 0.00 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion:178 Resp: 4408352
Ion Ratio Lower Upper
178 100
176 22.3 16.4 24.6
179 18.1 13.1 19.7





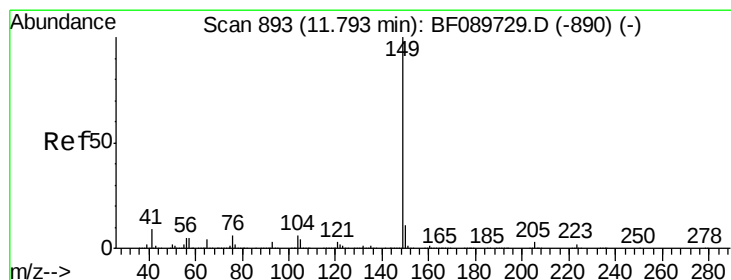
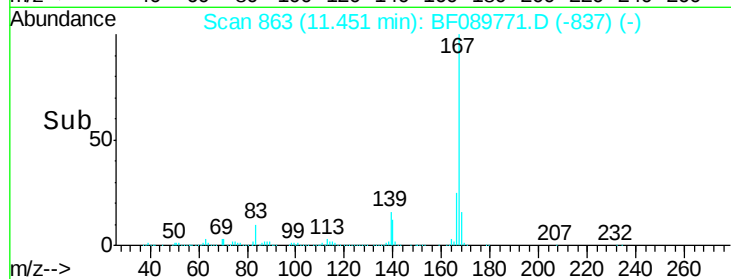
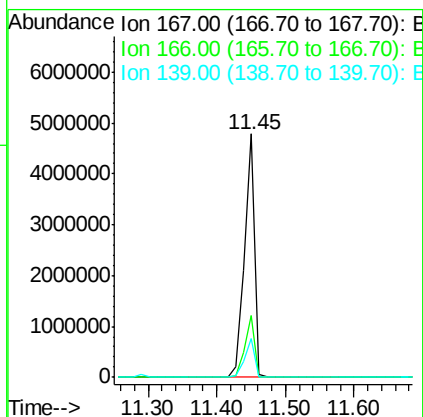
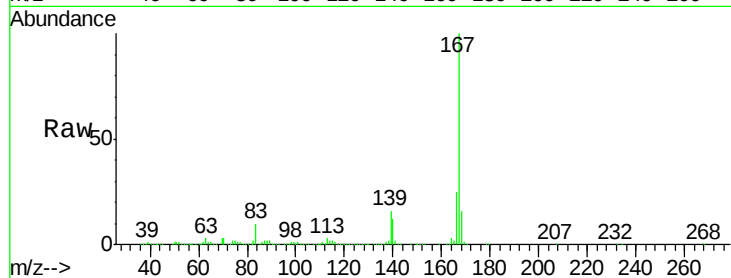
#72
 Carbazole
 Concen: 41.61 ng
 RT: 11.45 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.5	17.9	26.9
139	15.8	12.4	18.6

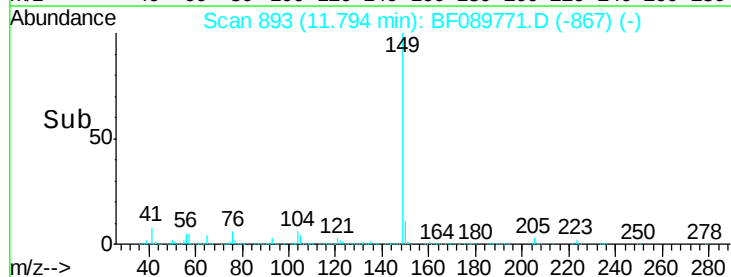
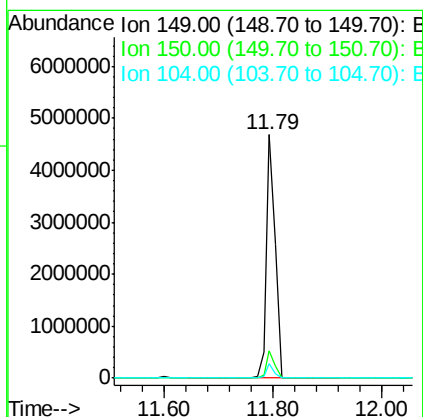
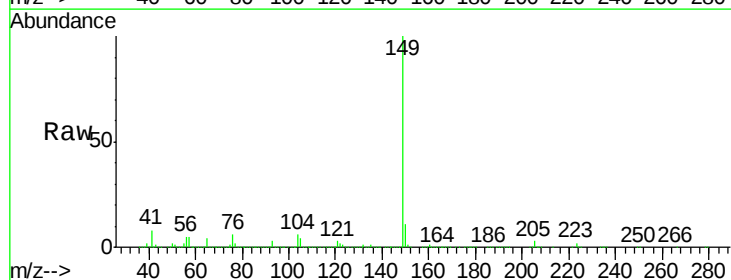
Manual Integrations
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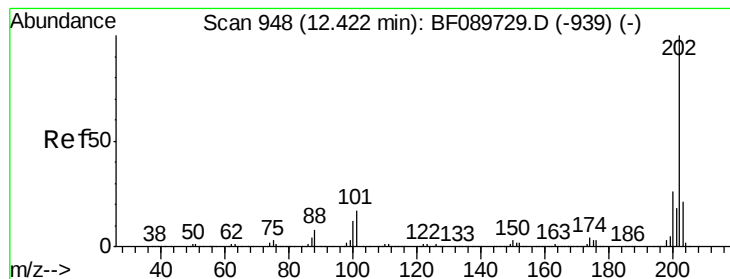
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#73
 Di-n-butylphthalate
 Concen: 37.04 ng
 RT: 11.79 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.4	7.9	11.9
104	6.0	4.3	6.5





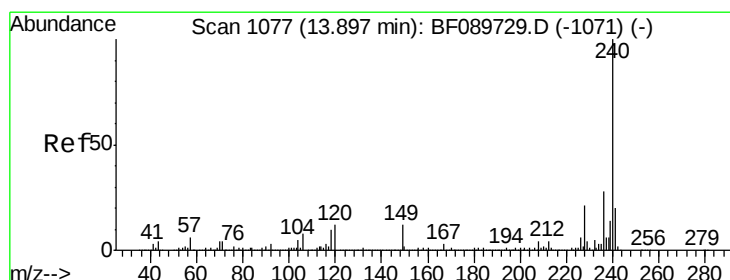
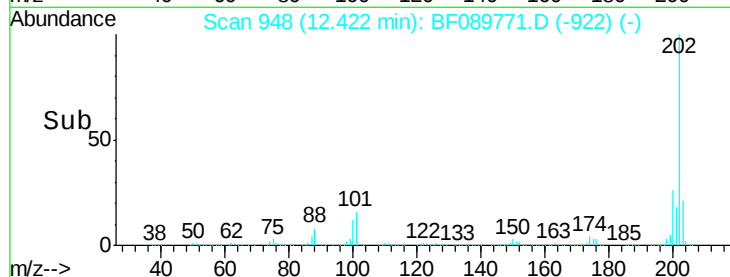
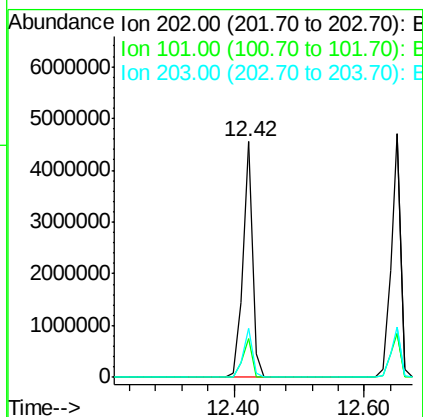
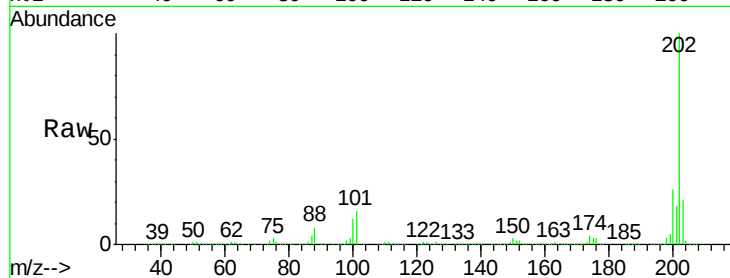
#74
Fluoranthene
 Concen: 37.56 ng
 RT: 12.42 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.5	0.0	31.2
203	20.8	0.0	38.1

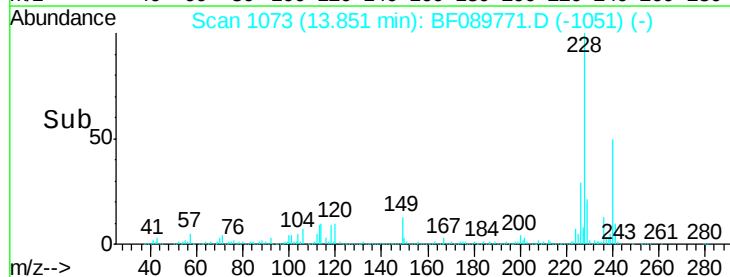
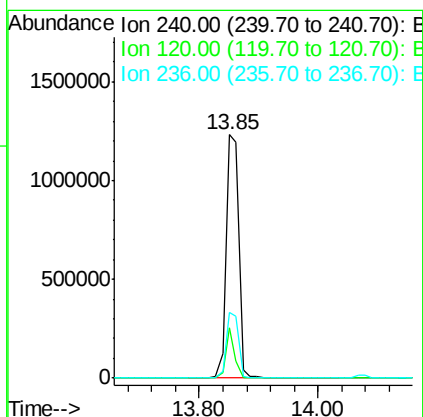
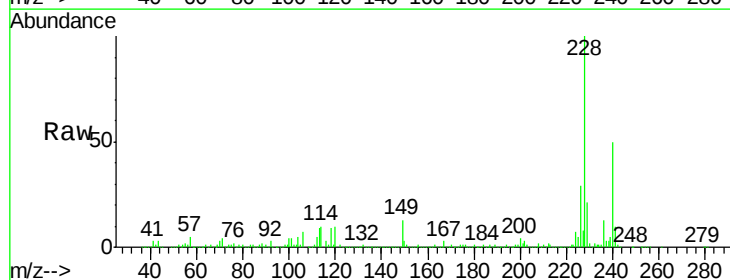
Manual Integrations
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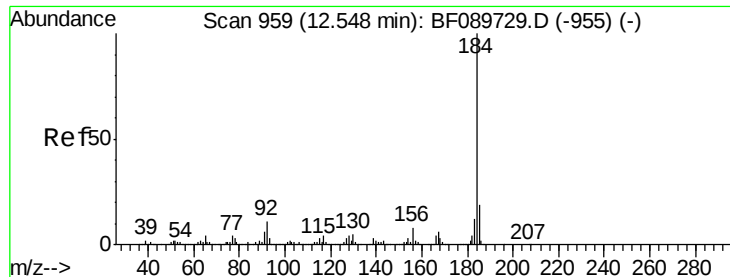
sohil
 8/18/2016 5:59:22 PM



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.85 min Scan# 1073
 Delta R.T. -0.05 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.9	8.3	12.5#
236	26.9	21.3	31.9





#76

Benzidine

Concen: 28.27 ng

RT: 12.55 min Scan# 959

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:184 Resp: 1836714

Ion Ratio Lower Upper

184 100

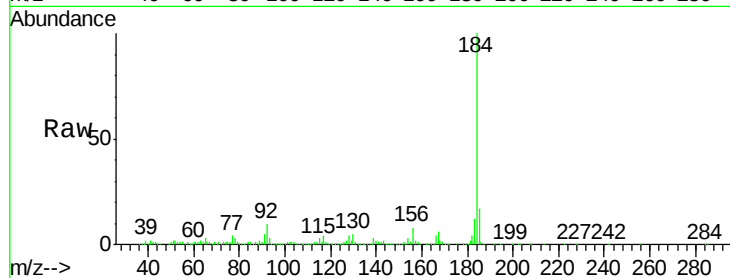
185 16.7 13.8 20.8

183 11.8 9.7 14.5

Manual Integrations
APPROVED

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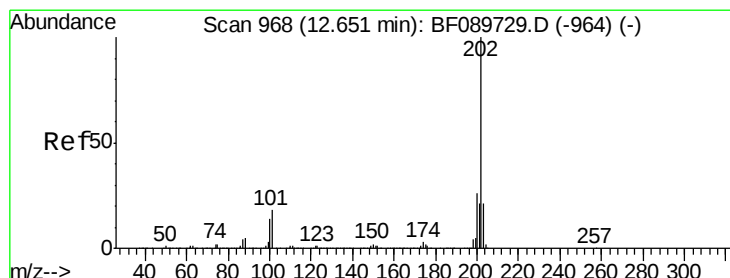
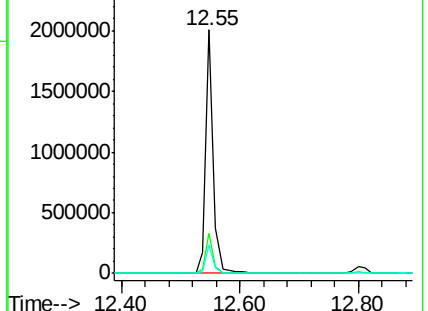
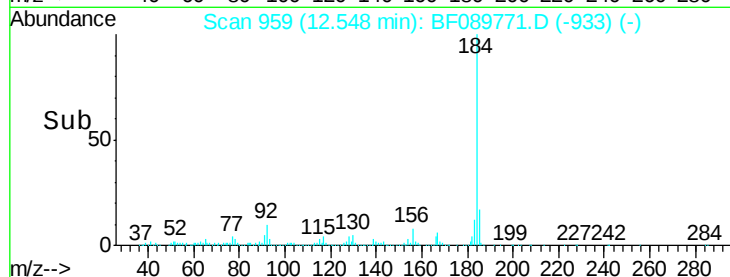
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 41.15 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

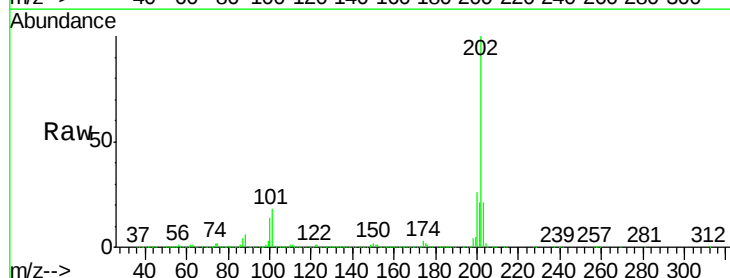
Tgt Ion:202 Resp: 4874794

Ion Ratio Lower Upper

202 100

200 26.3 17.8 26.6

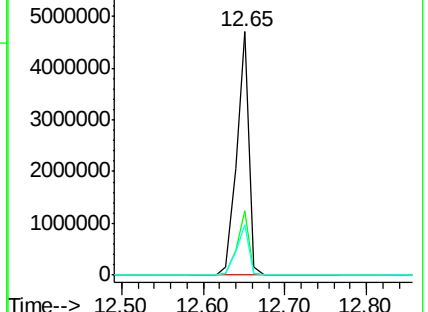
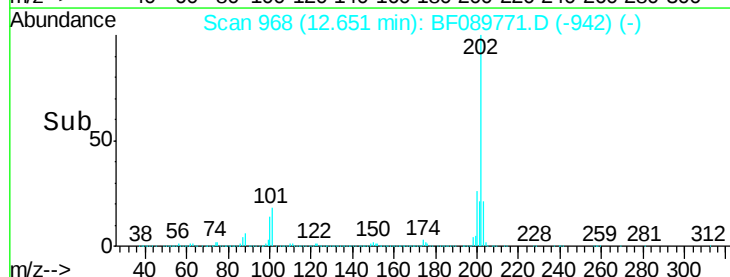
203 20.7 14.2 21.4

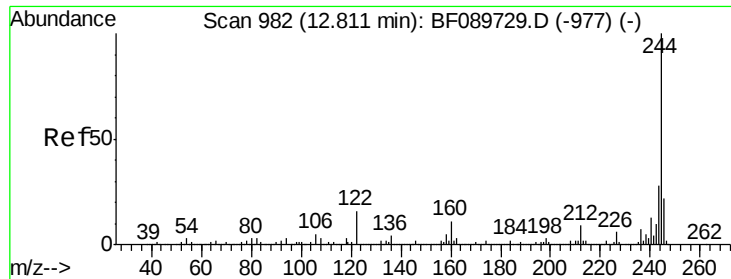


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.23 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:244 Resp: 4740594

Ion Ratio Lower Upper

244 100

212 7.4 6.3 9.5

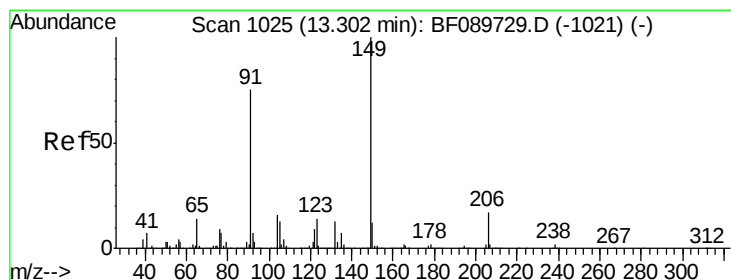
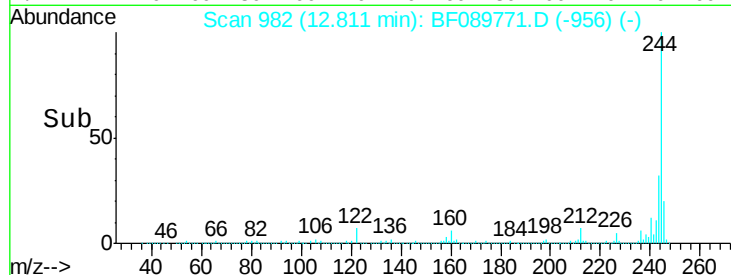
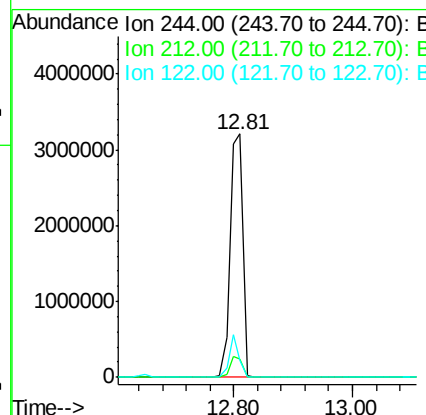
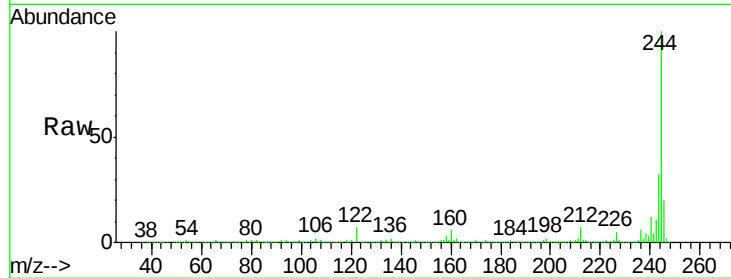
122 7.3 12.0 18.0#

Manual Integrations

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#79

Butylbenzylphthalate

Concen: 45.87 ng

RT: 13.29 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

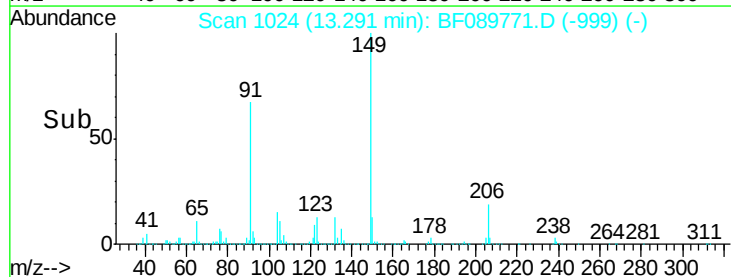
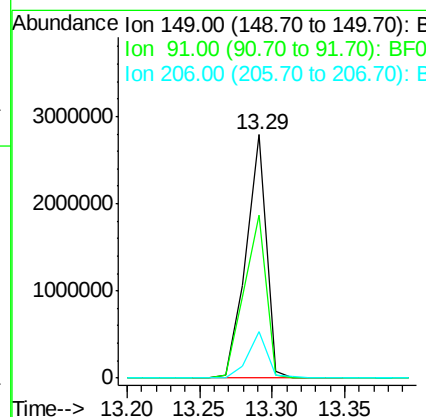
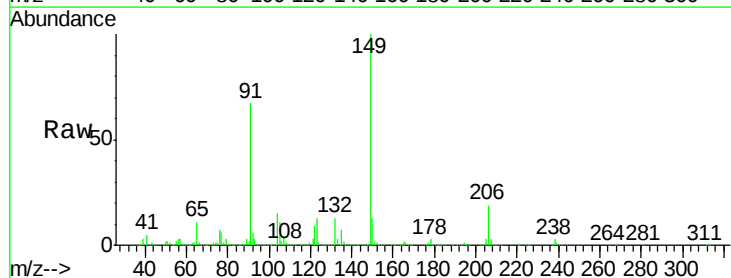
Tgt Ion:149 Resp: 2726111

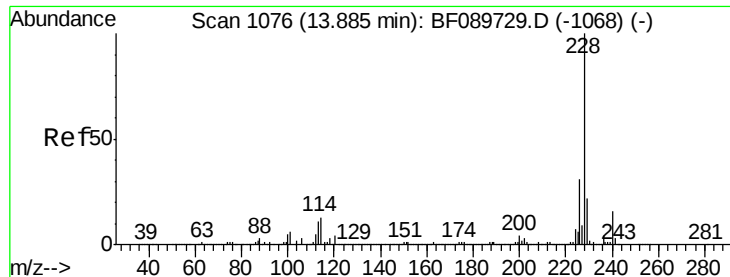
Ion Ratio Lower Upper

149 100

91 67.1 50.7 76.1

206 19.0 15.5 23.3





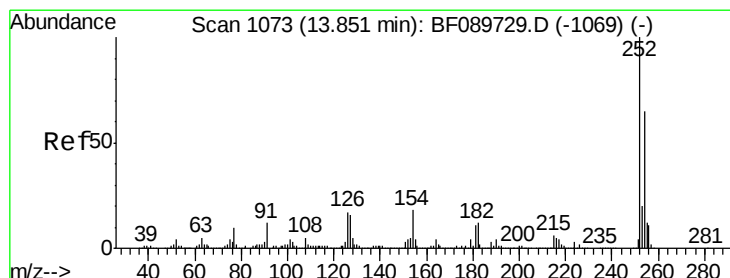
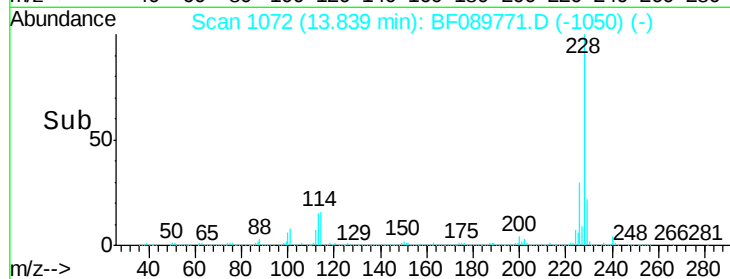
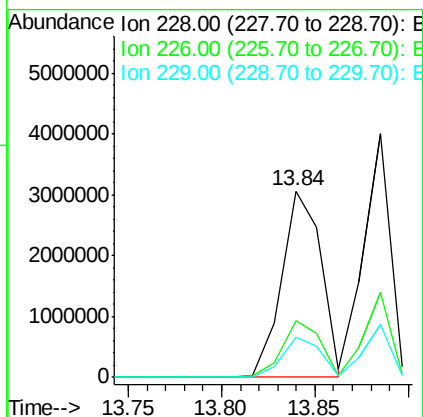
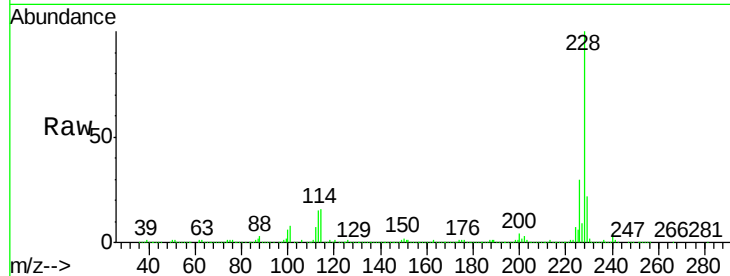
#80
Benzo(a)anthracene
Concen: 42.85 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.05 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.2	34.8
229	21.9	16.2	24.4

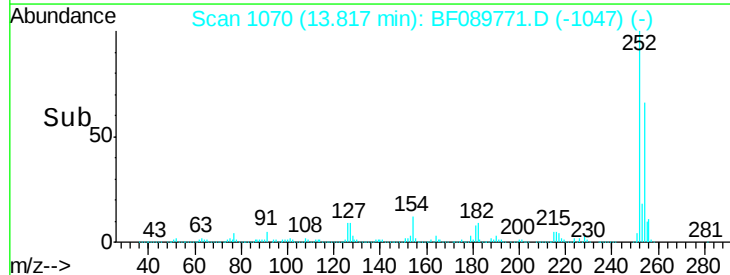
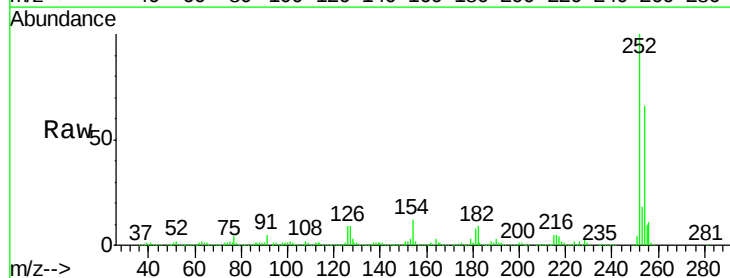
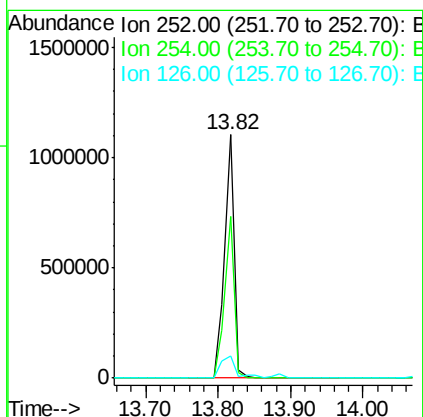
Manual Integrations
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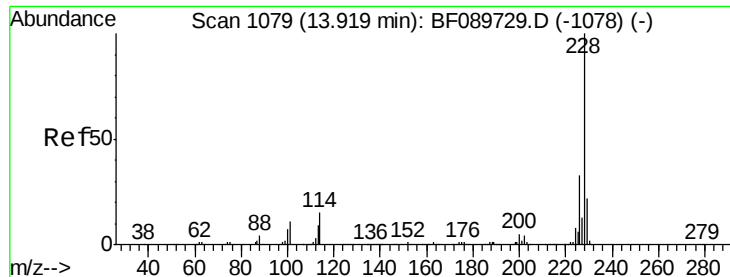
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#81
3,3'-Dichlorobenzidine
Concen: 26.84 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.5	50.6	75.8
126	9.2	12.6	18.8#





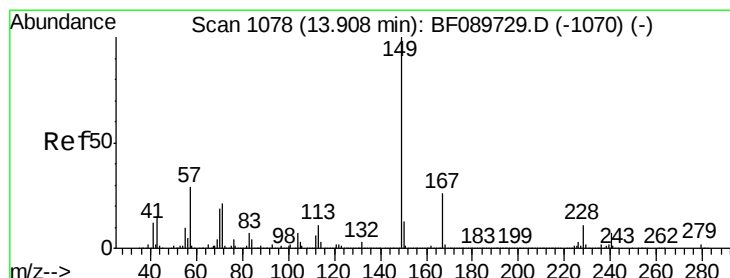
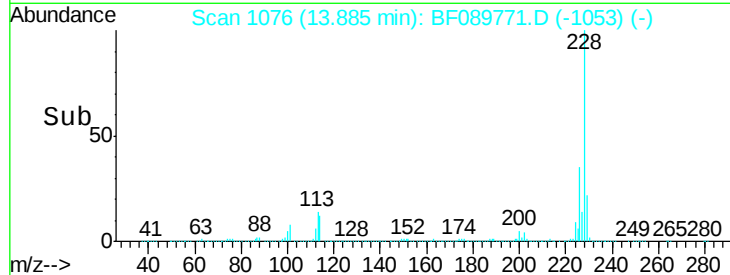
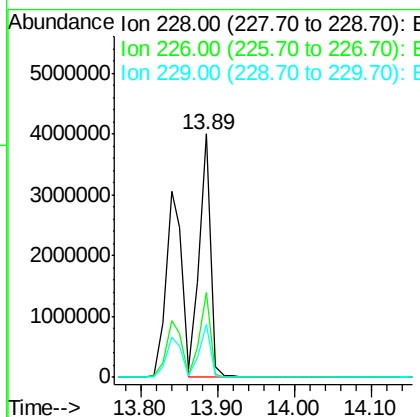
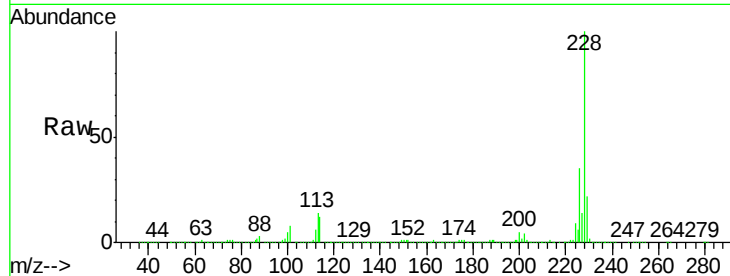
#82
 Chrysene
 Concen: 42.42 ng
 RT: 13.89 min Scan# 1076
 Delta R.T. -0.03 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-7A-9-11MSD

Tot Ion:228 Resp: 4015600
 Ion Ratio Lower Upper
 228 100
 226 34.9 25.4 38.0
 229 21.9 16.5 24.7

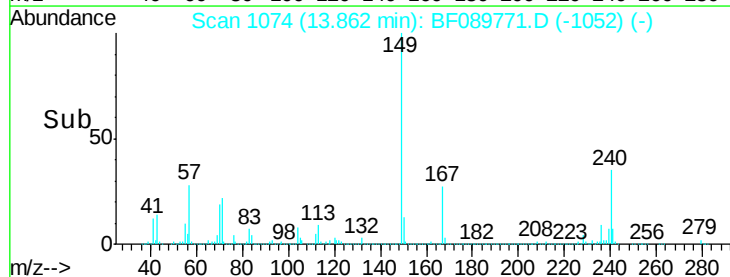
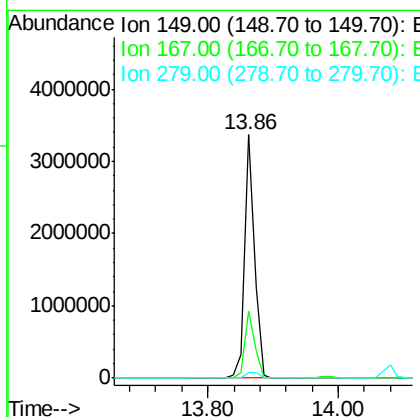
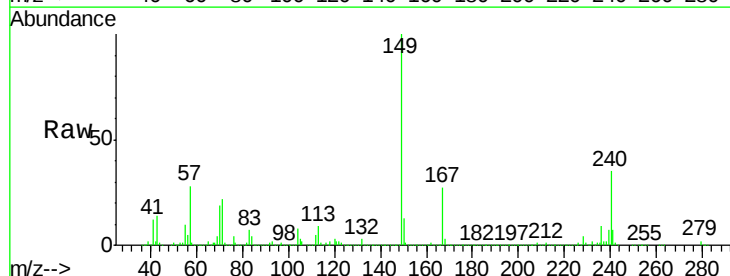
Manual Integrations
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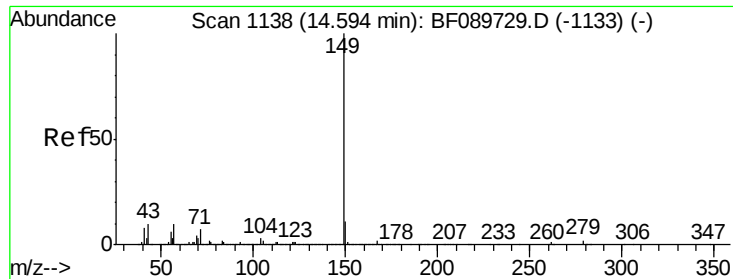
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.10 ng
 RT: 13.86 min Scan# 1074
 Delta R.T. -0.05 min
 Lab File: BF089771.D
 Acq: 17 Aug 2016 19:00

Tgt Ion:149 Resp: 3468336
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.2 31.8
 279 2.2 2.9 4.3#





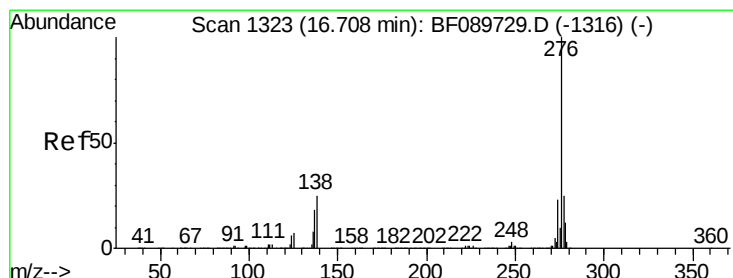
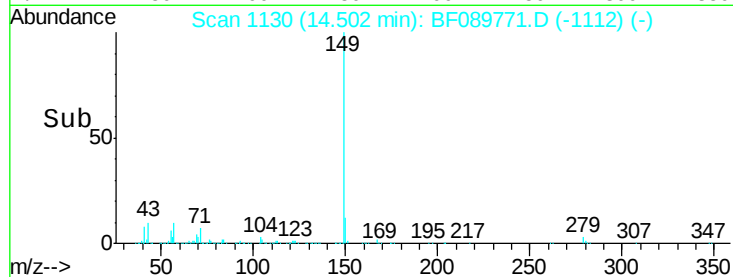
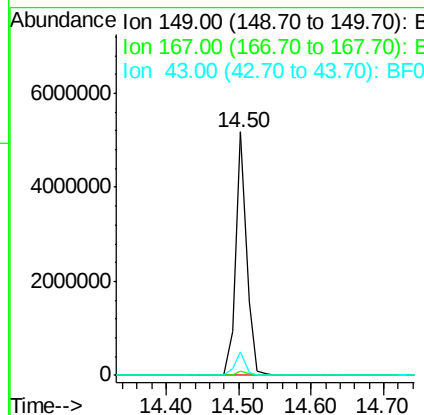
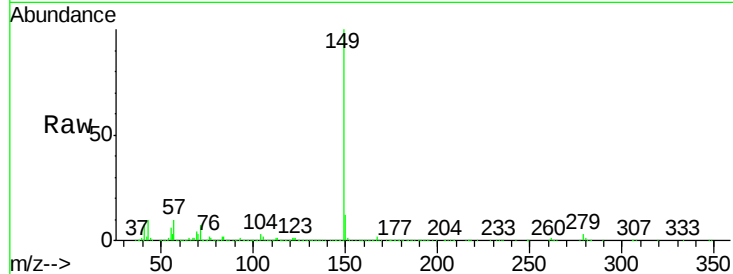
#84
Di-n-octyl phthalate
Concen: 44.23 ng
RT: 14.50 min Scan# 1130
Delta R.T. -0.09 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.2	1.8
43	9.4	8.4	12.6

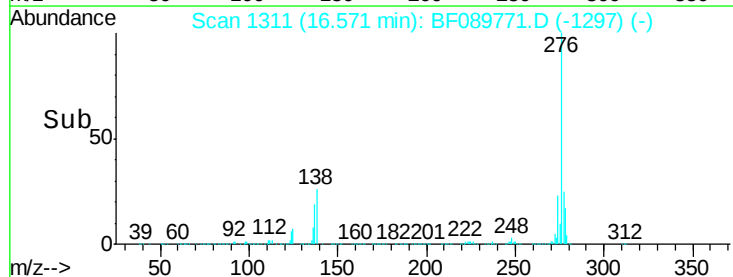
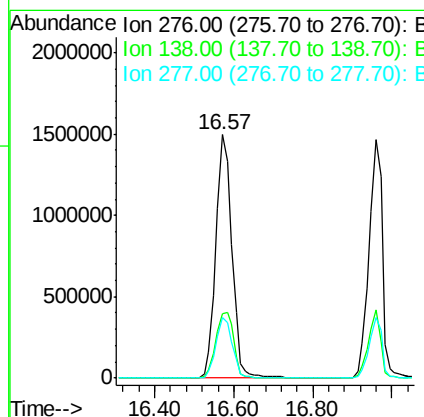
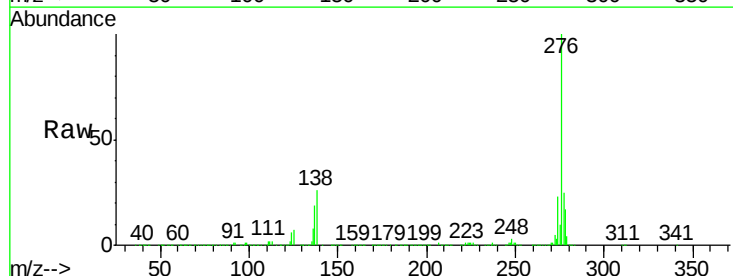
Manual Integrations
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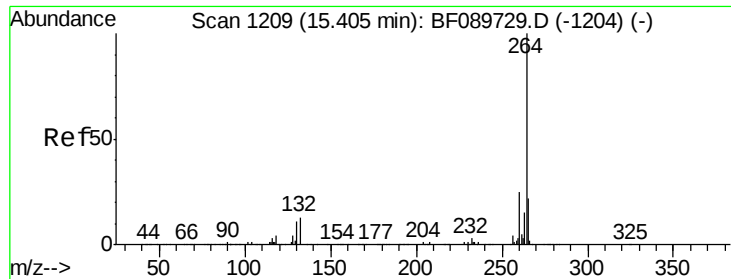
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#85
Indeno(1,2,3-cd)pyrene
Concen: 51.78 ng
RT: 16.57 min Scan# 1311
Delta R.T. -0.14 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.4	24.6	36.8
277	25.5	20.4	30.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.28 min Scan# 1198

Delta R.T. -0.13 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

Instrument :

BNA_F

ClientSampleId :

LOCATION-7A-9-11MSD

Tot Ion:264 Resp: 1959587

Ion Ratio Lower Upper

264 100

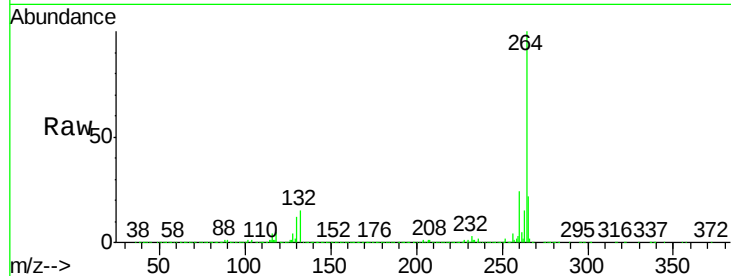
260 24.4 20.2 30.2

265 21.8 17.4 26.2

Manual Integrations
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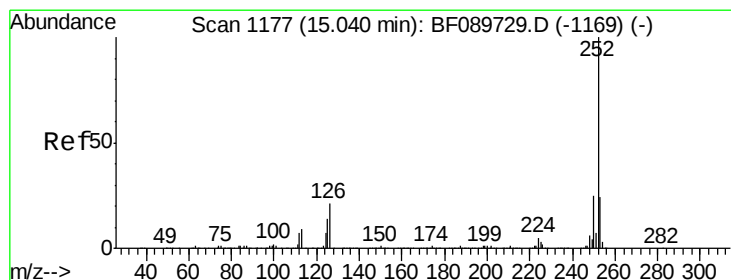
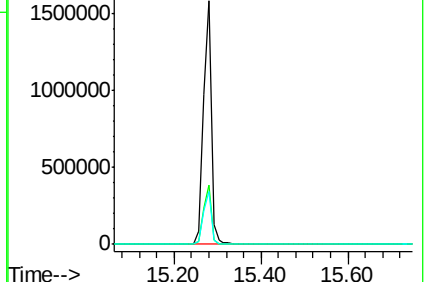
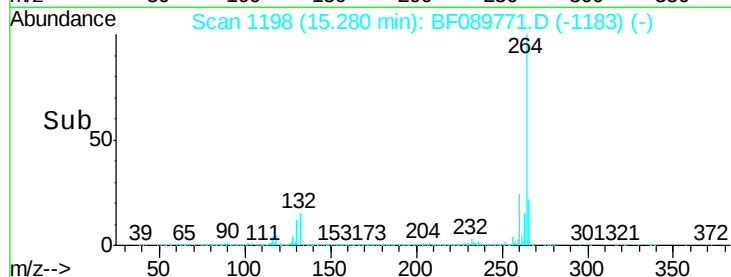
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 42.60 ng m

RT: 14.90 min Scan# 1165

Delta R.T. -0.10 min

Lab File: BF089771.D

Acq: 17 Aug 2016 19:00

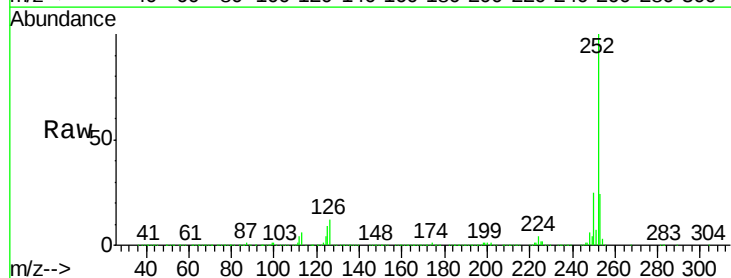
Tgt Ion:252 Resp: 5289533

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

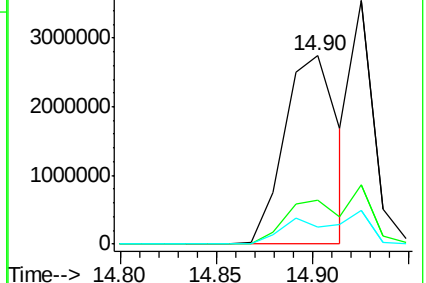
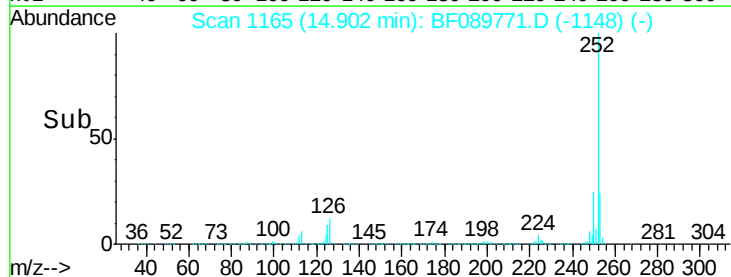
125 8.9 11.4 17.2#

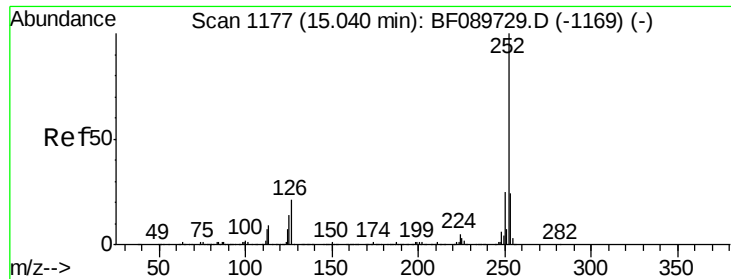


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





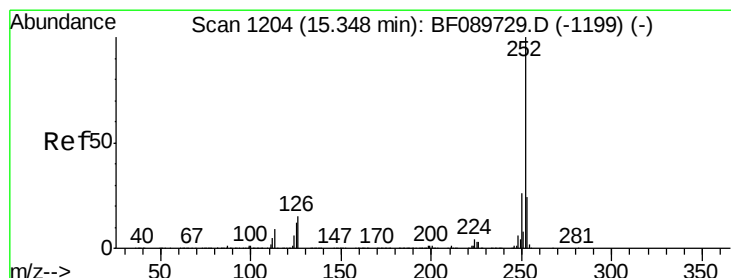
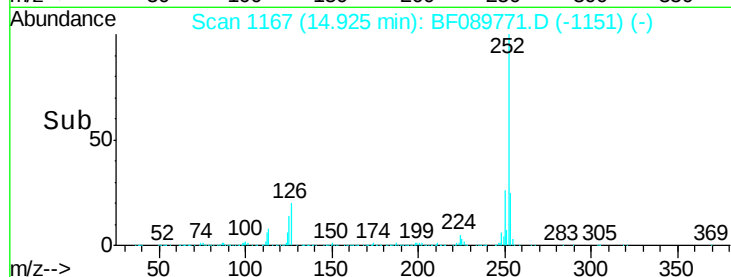
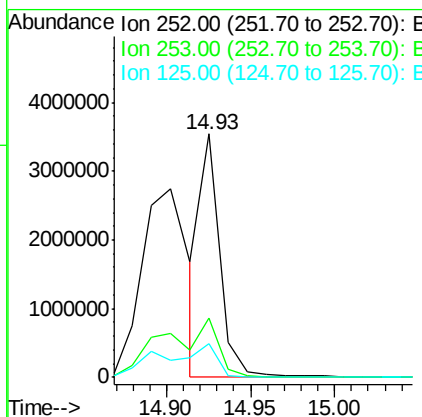
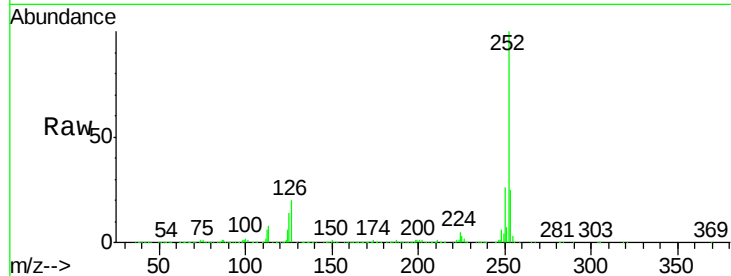
#88
Benzo(k)fluoranthene
Concen: 28.64 ng m
RT: 14.93 min Scan# 1167
Delta R.T. -0.11 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	13.9	9.8	14.6

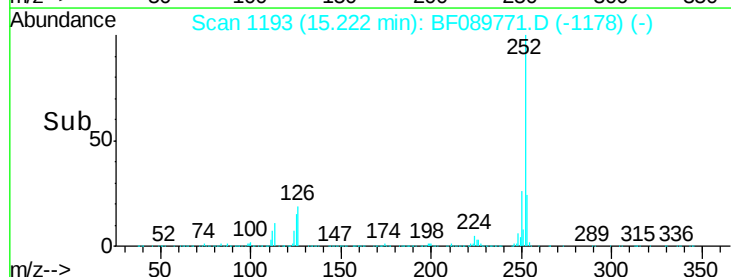
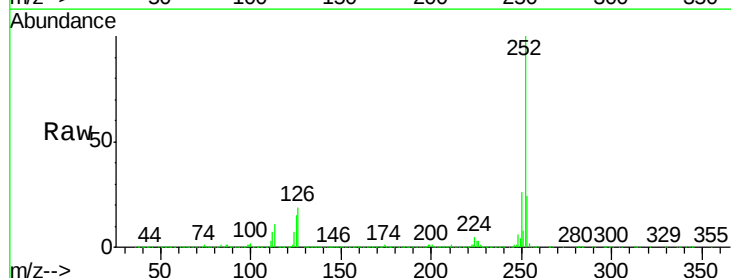
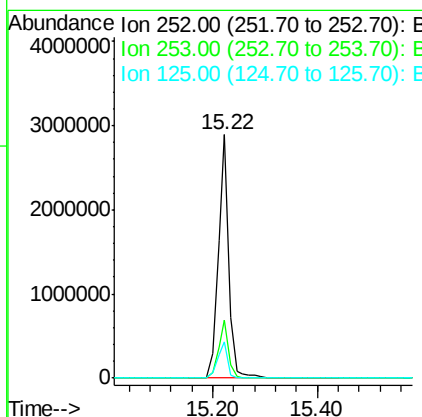
Manual Integrations
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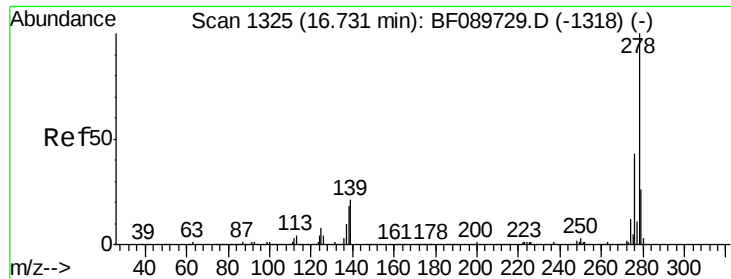
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#89
Benzo(a)pyrene
Concen: 38.58 ng
RT: 15.22 min Scan# 1193
Delta R.T. -0.13 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	14.8	11.7	17.5





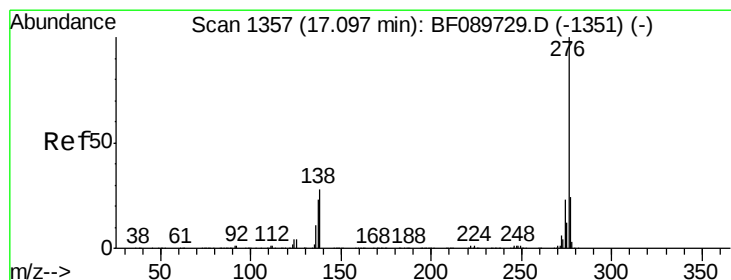
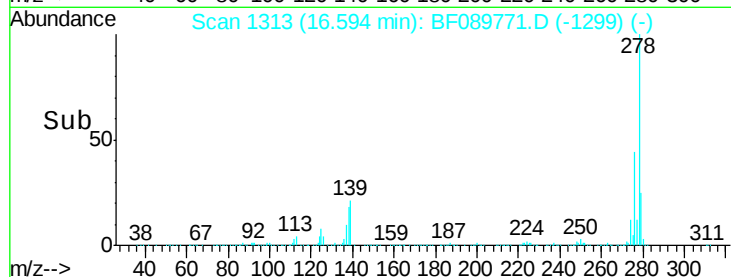
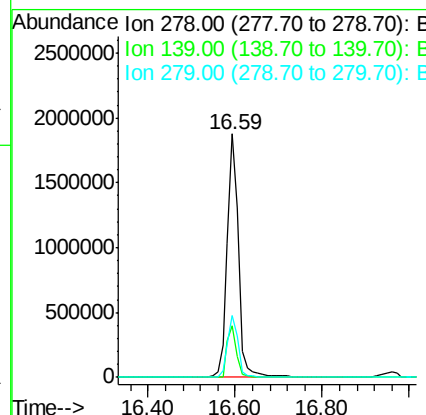
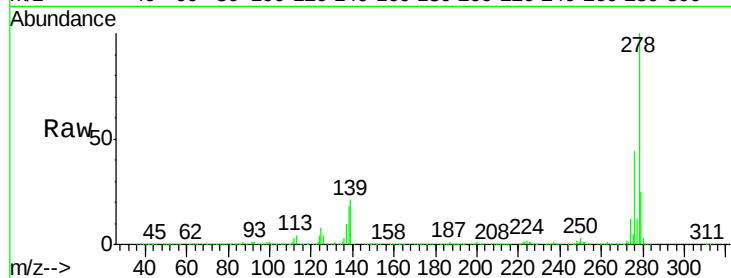
#90
Dibenzo(a,h)anthracene
Concen: 42.71 ng
RT: 16.59 min Scan# 1313
Delta R.T. -0.14 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Instrument :
BNA_F
ClientSampleId :
LOCATION-7A-9-11MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.1	14.9	22.3
279	25.5	19.2	28.8

Manual Integrations
APPROVED

sohil
8/18/2016 5:59:22 PM



#91
Benzo(g,h,i)perylene
Concen: 41.14 ng
RT: 16.96 min Scan# 1345
Delta R.T. -0.14 min
Lab File: BF089771.D
Acq: 17 Aug 2016 19:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	28.8	22.1	33.1

