

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093774.D
 Acq On : 20 Mar 2017 19:52
 Operator : SJ/MA
 Sample : I2304-11MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Quant Time: Mar 21 01:05:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 16:03:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	224768	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	916272	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	393491	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	616591	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	296277	20.00	ng	-0.02
86) Perylene-d12	15.40	264	334714	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1861661	144.84	ng	0.01
7) Phenol-d6	6.48	99	2166724	136.42	ng	0.00
23) Nitrobenzene-d5	7.41	82	1470729	91.06	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	356385	116.93	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1864718	79.69	ng	-0.01
78) Terphenyl-d14	12.94	244	1317247	90.65	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.50	88	270851	41.59	ng	98
3) Pyridine	3.21	79	794234	45.52	ng	99
4) n-Nitrosodimethylamine	3.16	42	374287	49.74	ng	94
6) Aniline	6.50	93	437117	19.68	ng	95
8) 2-Chlorophenol	6.63	128	736870	52.12	ng	88
9) Benzaldehyde	6.38	77	349400	31.12	ng	96
10) Phenol	6.49	94	1063394	59.57	ng	99
11) bis(2-Chloroethyl)ether	6.57	93	693336	47.83	ng	96
12) 1,3-Dichlorobenzene	6.78	146	700625	43.69	ng	98
13) 1,4-Dichlorobenzene	6.86	146	771501	47.16	ng	99
14) 1,2-Dichlorobenzene	7.01	146	641764	42.77	ng	98
15) Benzyl Alcohol	6.98	79	635277	53.98	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	1036672	44.98	ng	100
17) 2-Methylphenol	7.10	107	591883	47.71	ng	98
18) Hexachloroethane	7.36	117	269697	46.50	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	498337	47.89	ng	# 86
20) 3+4-Methylphenols	7.26	107	716413	48.77	ng	# 87
22) Acetophenone	7.25	105	941142	47.44	ng	97
24) Nitrobenzene	7.42	77	667253	43.24	ng	98
25) Isophorone	7.67	82	1394847	48.75	ng	# 92
26) 2-Nitrophenol	7.74	139	367743	52.70	ng	92
27) 2,4-Dimethylphenol	7.78	122	698192	48.65	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	829307	45.04	ng	100
29) 2,4-Dichlorophenol	7.98	162	574204	47.00	ng	95
30) 1,2,4-Trichlorobenzene	8.07	180	594016	46.82	ng	99
31) Naphthalene	8.15	128	2022522	47.56	ng	99
32) Benzoic acid	7.84	122	49716	5.57	ng	99
33) 4-Chloroaniline	8.18	127	190007	10.40	ng	99
34) Hexachlorobutadiene	8.28	225	301825	45.24	ng	98
35) Caprolactam	8.56	113	130194	33.95	ng	98
36) 4-Chloro-3-methylphenol	8.68	107	620141	48.99	ng	# 85
37) 2-Methylnaphthalene	8.84	142	1213987	43.73	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	500938	48.07	ng	99
40) Hexachlorocyclopentadiene	9.00	237	218466	41.55	ng	98

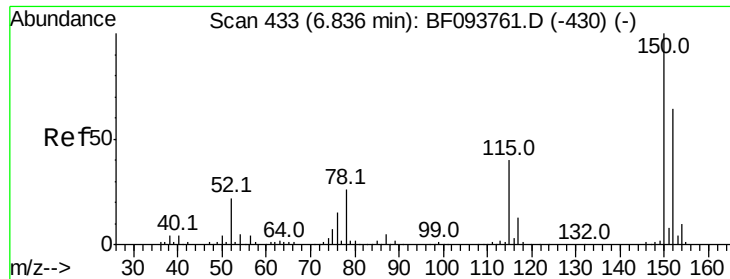
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.11	196	390975	51.68	nq	99
43) 2,4,5-Trichlorophenol	9.16	196	373266	47.53	nq	96
45) 1,1'-Biphenyl	9.30	154	1482313	46.35	nq	99
46) 2-Chloronaphthalene	9.33	162	1189924	48.53	nq	97
47) 2-Nitroaniline	9.42	65	395867	57.81	nq	# 71
48) Acenaphthylene	9.74	152	1727878	43.30	nq	99
49) Dimethylphthalate	9.60	163	1600344	57.15	nq	99
50) 2,6-Dinitrotoluene	9.66	165	290314	47.22	nq	# 80
51) Acenaphthene	9.91	154	972115	40.79	nq	99
52) 3-Nitroaniline	9.82	138	207923	28.17	nq	98
53) 2,4-Dinitrophenol	9.92	184	18660	7.73	nq	# 1
54) Dibenzofuran	10.08	168	1482998	46.24	nq	97
55) 4-Nitrophenol	9.99	139	512500	92.45	nq	84
56) 2,4-Dinitrotoluene	10.06	165	360604	46.20	nq	# 79
57) Fluorene	10.42	166	1086761	44.24	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.20	232	241667	44.79	nq	99
59) Diethylphthalate	10.31	149	1357217	49.73	nq	96
60) 4-Chlorophenyl-phenylether	10.41	204	451345	43.59	nq	100
61) 4-Nitroaniline	10.44	138	289939	43.92	nq	93
62) Azobenzene	10.57	77	1274584	47.22	nq	100
64) 4,6-Dinitro-2-methylphenol	10.46	198	39117	10.95	nq	# 78
65) n-Nitrosodiphenylamine	10.54	169	1125378	54.75	nq	99
66) 4-Bromophenyl-phenylether	10.90	248	281798	47.48	nq	96
67) Hexachlorobenzene	10.97	284	289395	47.28	nq	# 90
68) Atrazine	11.06	200	340210	53.92	nq	96
69) Pentachlorophenol	11.16	266	258403	72.20	nq	98
70) Phenanthrene	11.37	178	1494680	45.52	nq	99
71) Anthracene	11.43	178	1492320	44.14	nq	99
72) Carbazole	11.58	167	1323213	39.53	nq	100
73) Di-n-butylphthalate	11.92	149	1714532	47.59	nq	100
74) Fluoranthene	12.56	202	1318935	39.08	nq	99
76) Benzidine	12.68	184	209430	16.11	nq	95
77) Pyrene	12.79	202	1313861	53.29	nq	99
79) Butylbenzylphthalate	13.41	149	610861	55.43	nq	# 69
80) Benzo(a)anthracene	13.97	228	874563	47.13	nq	100
81) 3,3'-Dichlorobenzidine	13.93	252	99400	14.21	nq	97
82) Chrysene	14.01	228	833895	44.97	nq	100
83) Bis(2-ethylhexyl)phthalate	13.98	149	713712	53.77	nq	99
84) Di-n-octyl phthalate	14.59	149	1315695	54.33	nq	99
85) Indeno(1,2,3-cd)pyrene	16.77	276	889682	58.59	nq	99
87) Benzo(b)fluoranthene	15.02	252	1675318	74.25	nq	# 96
88) Benzo(k)fluoranthene	15.02	252	1675318	100.55	nq	100
89) Benzo(a)pyrene	15.34	252	835018	45.64	nq	99
90) Dibenzo(a,h)anthracene	16.78	278	755501	49.73	nq	# 96
91) Benzo(g,h,i)perylene	17.18	276	721494	47.85	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF093774.D

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SPA-B6(0-5)MSD

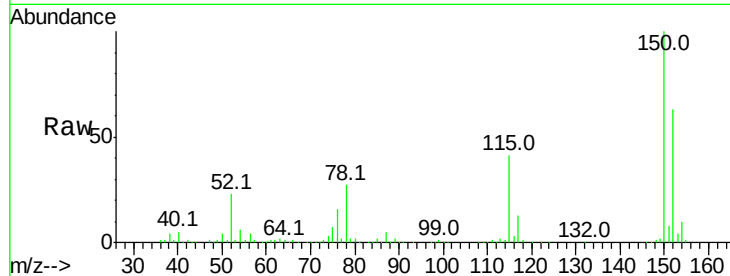
Tot Ion:152 Resp: 224768

Ion Ratio Lower Upper

152 100

150 158.6 126.2 189.2

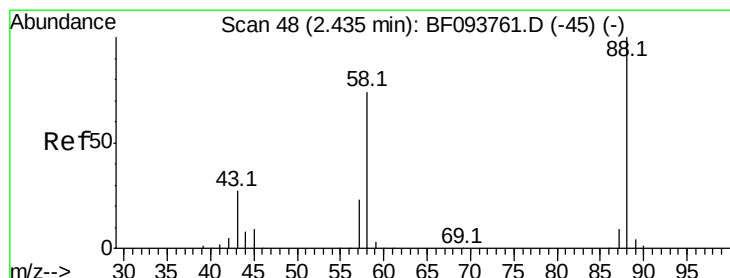
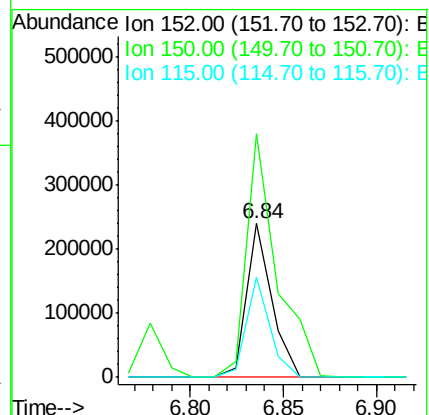
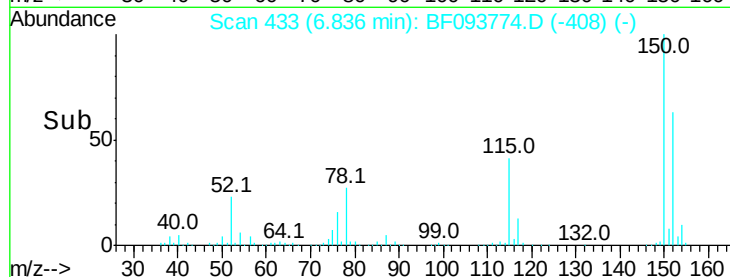
115 65.0 52.2 78.2



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



#2

1,4-Dioxane

Concen: 41.59 ng

RT: 2.50 min Scan# 54

Delta R.T. 0.06 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

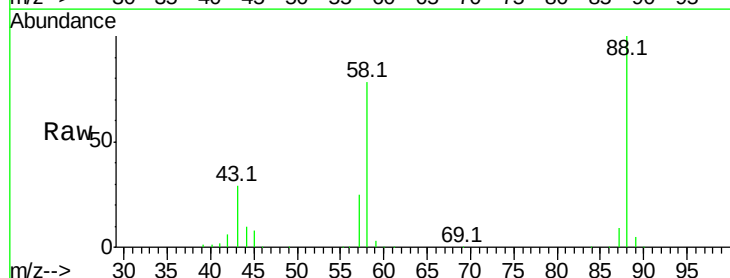
Tgt Ion: 88 Resp: 270851

Ion Ratio Lower Upper

88 100

58 75.4 61.4 92.0

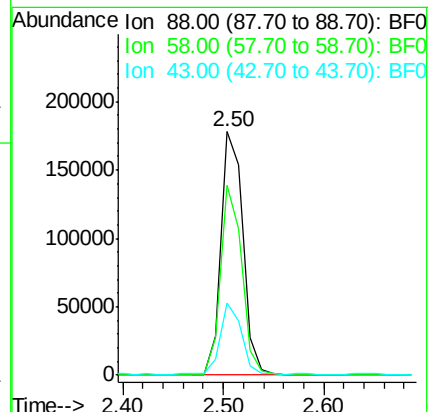
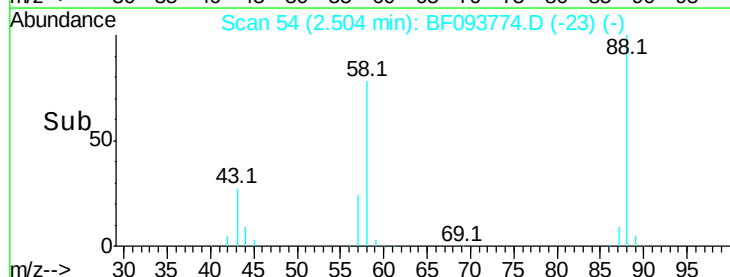
43 28.4 23.4 35.0

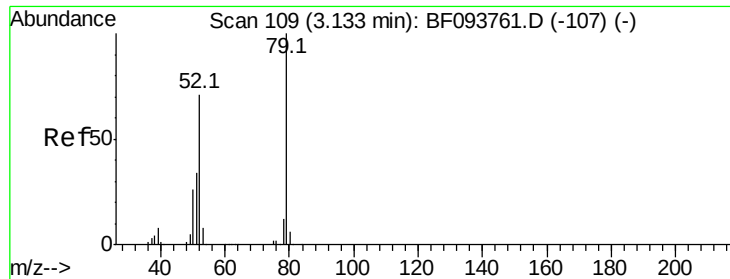


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

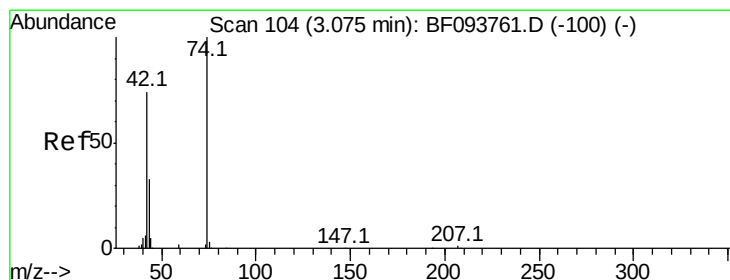
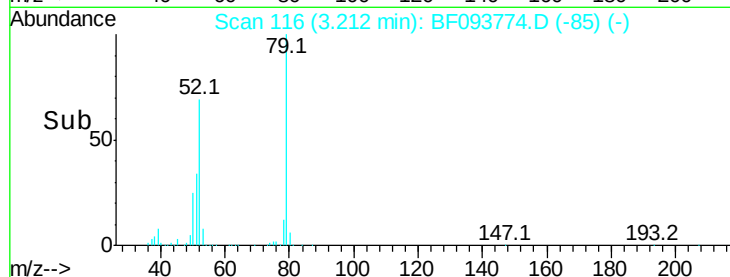
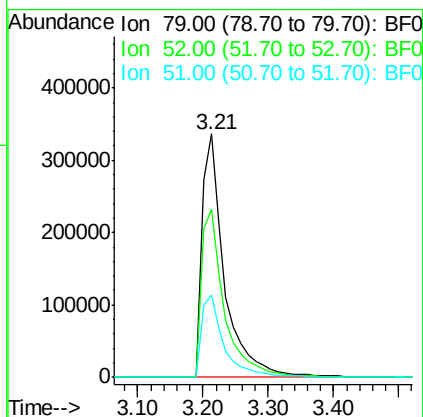
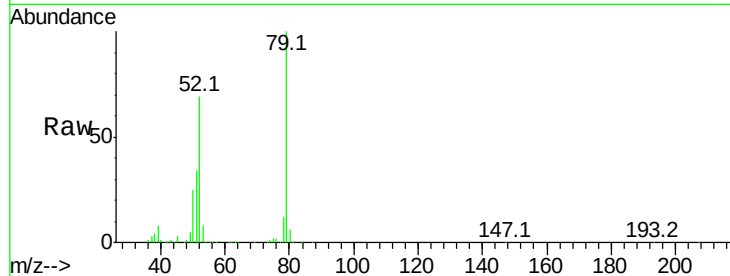




#3
 Pvridine
 Concen: 45.52 ng
 RT: 3.21 min Scan# 116
 Delta R.T. 0.06 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

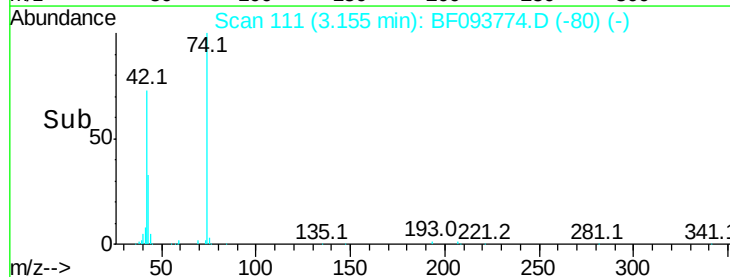
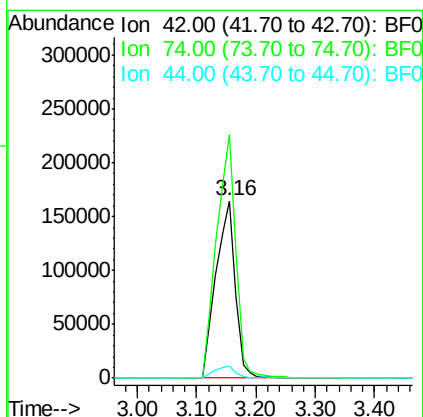
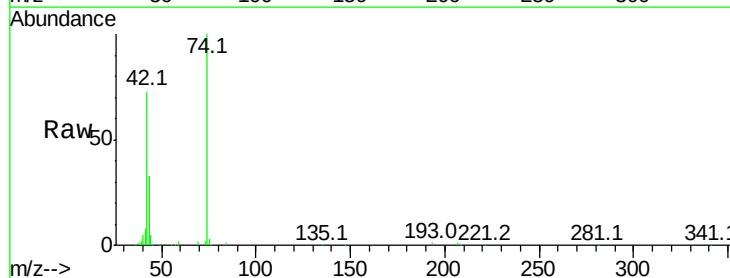
Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

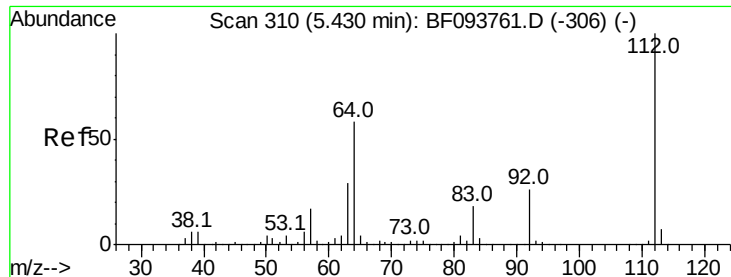
Tot Ion: 79 Resp: 794234
 Ion Ratio Lower Upper
 79 100
 52 69.1 54.8 82.2
 51 33.6 27.0 40.4



#4
 n-Nitrosodimethylamine
 Concen: 49.74 ng
 RT: 3.16 min Scan# 111
 Delta R.T. 0.06 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion: 42 Resp: 374287
 Ion Ratio Lower Upper
 42 100
 74 137.2 103.9 155.9
 44 6.9 5.7 8.5





#5

2-Fluorophenol

Concen: 144.84 ng

RT: 5.45 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

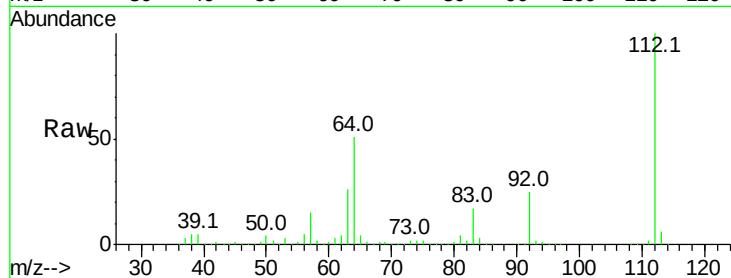
Tot Ion:112 Resp: 1861661

Ion Ratio Lower Upper

112 100

64 50.9 46.0 69.0

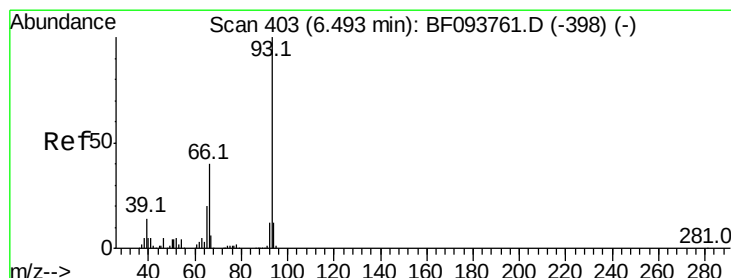
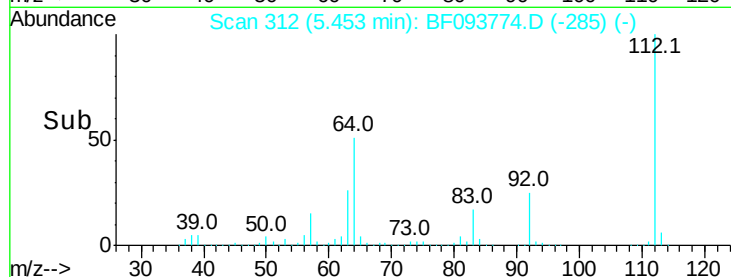
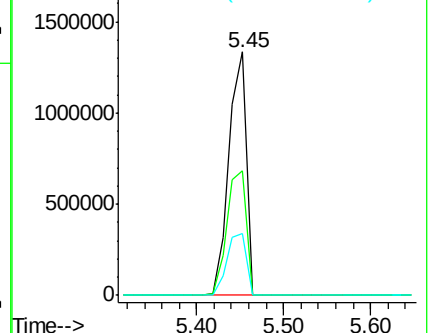
63 25.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.68 ng

RT: 6.50 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

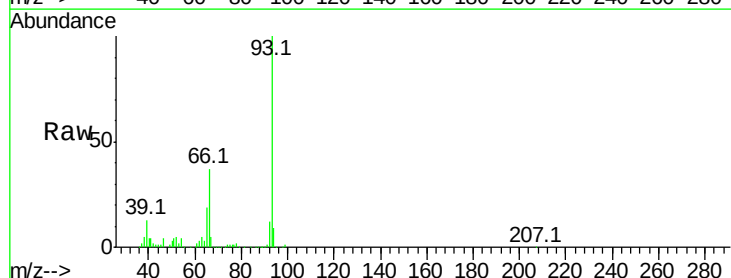
Tgt Ion: 93 Resp: 437117

Ion Ratio Lower Upper

93 100

66 37.2 32.9 49.3

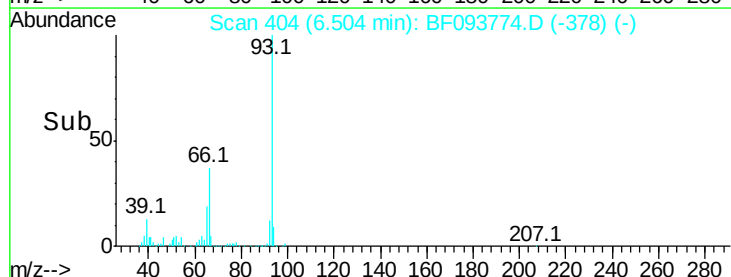
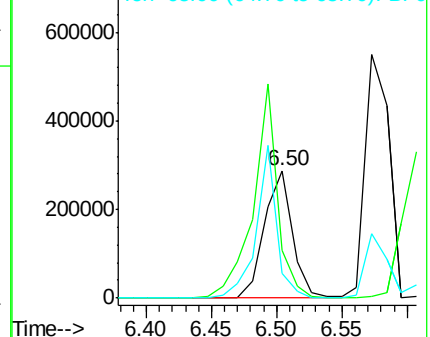
65 19.2 16.0 24.0

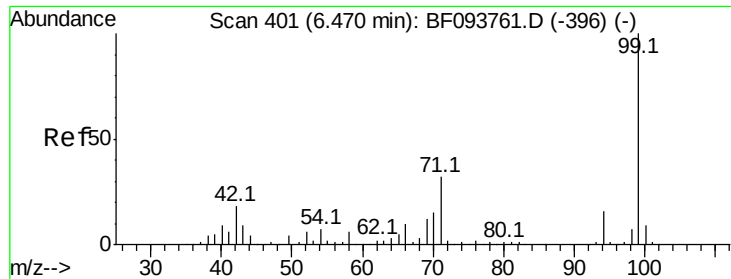


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 136.42 ng

RT: 6.48 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF093774.D

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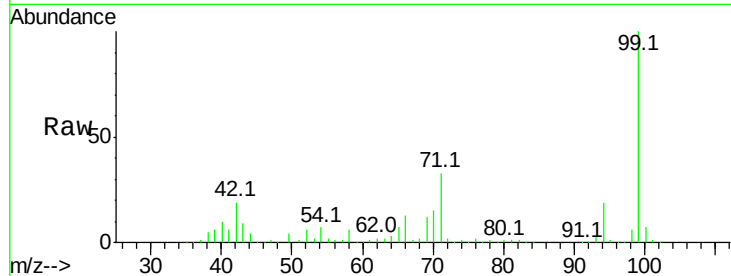
Tot Ion: 99 Resp: 2166724

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

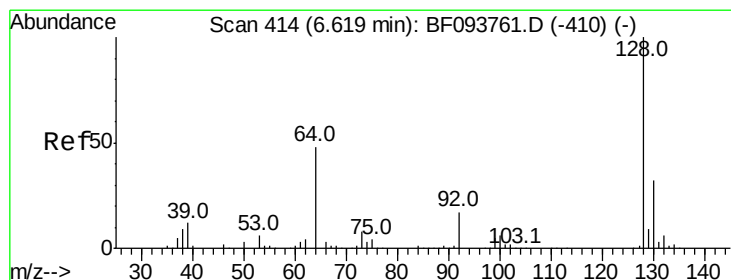
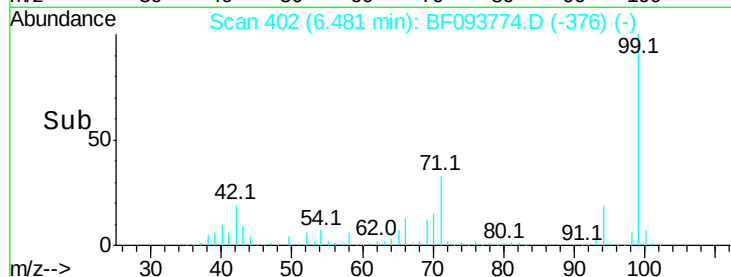
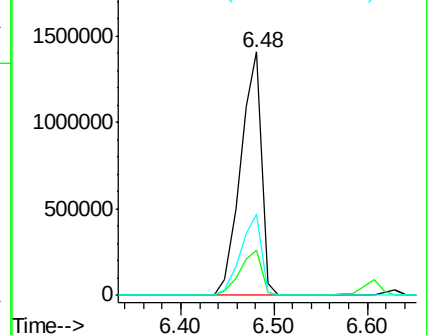
71 33.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 52.12 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.00 min

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Acq: 20 Mar 2017 19:52

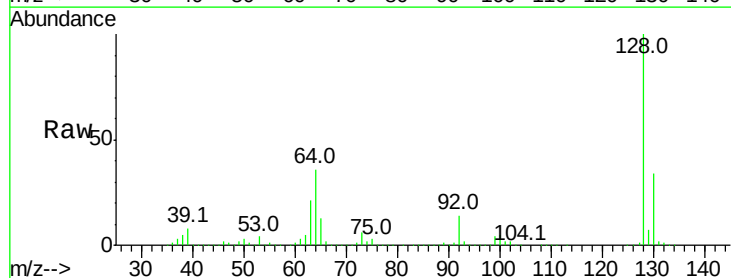
Tgt Ion:128 Resp: 736870

Ion Ratio Lower Upper

128 100

130 33.9 12.9 52.9

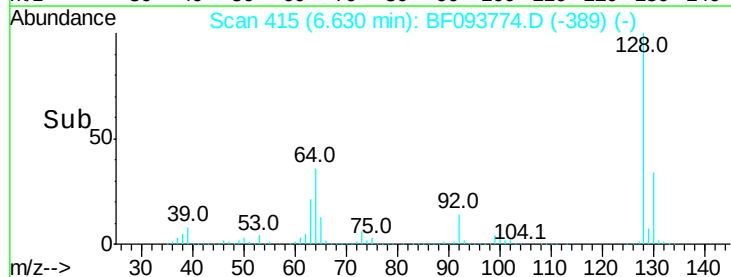
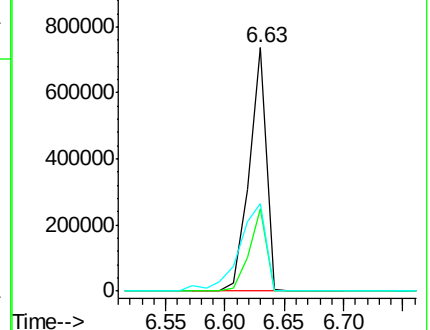
64 35.7 28.4 68.4

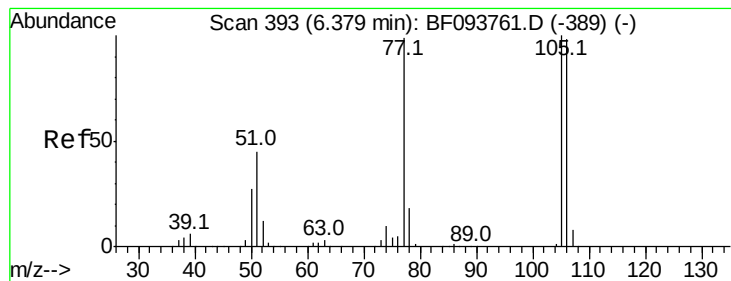


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 31.12 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF093774.D

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SPA-B6(0-5)MSD

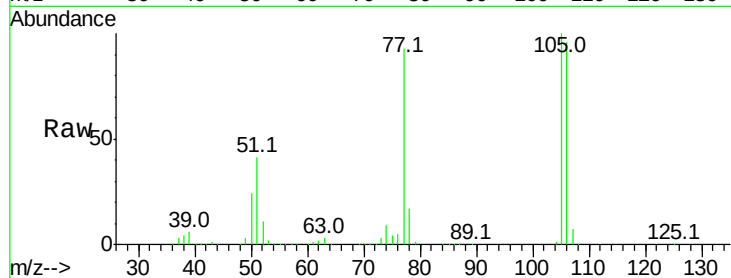
Tot Ion: 77 Resp: 349400

Ion Ratio Lower Upper

77 100

105 107.6 83.8 123.8

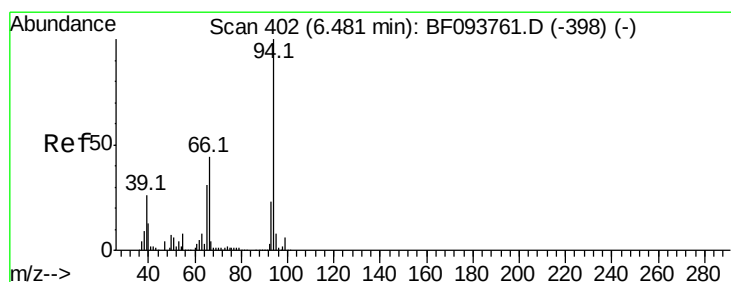
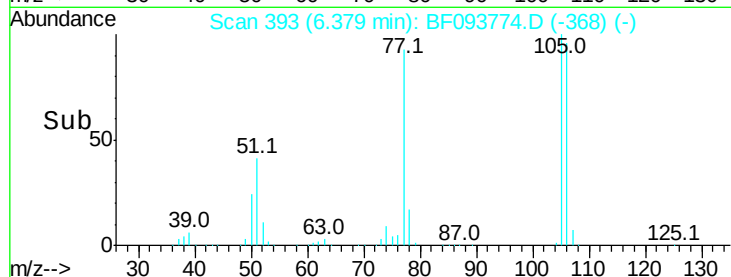
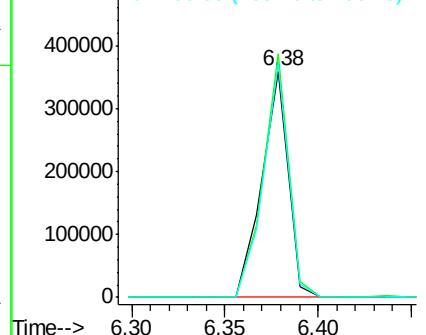
106 103.6 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 59.57 ng

RT: 6.49 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

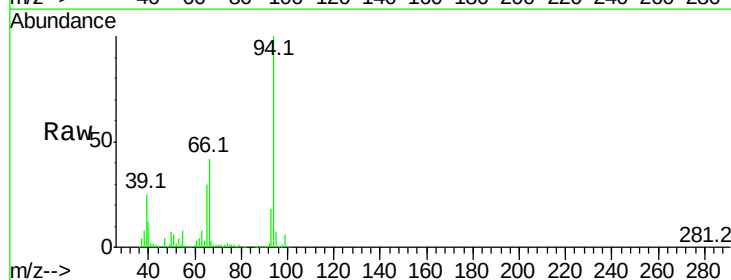
Tgt Ion: 94 Resp: 1063394

Ion Ratio Lower Upper

94 100

65 30.0 9.9 49.9

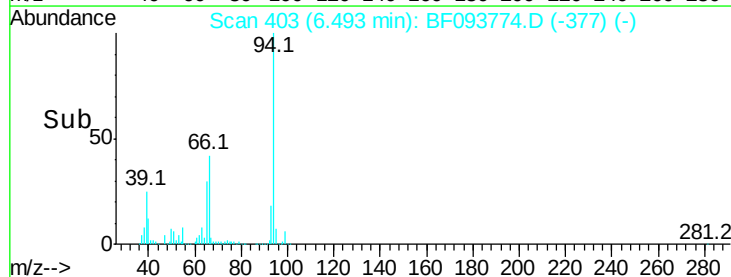
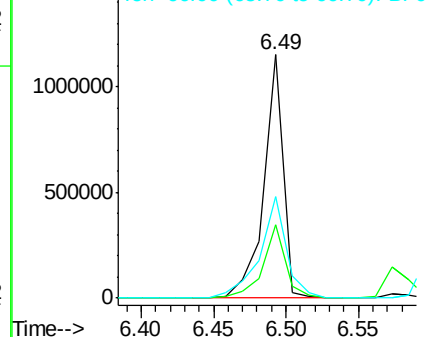
66 41.9 23.1 63.1

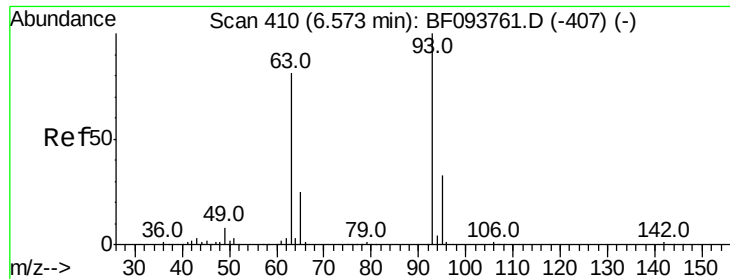


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 47.83 ng

RT: 6.57 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

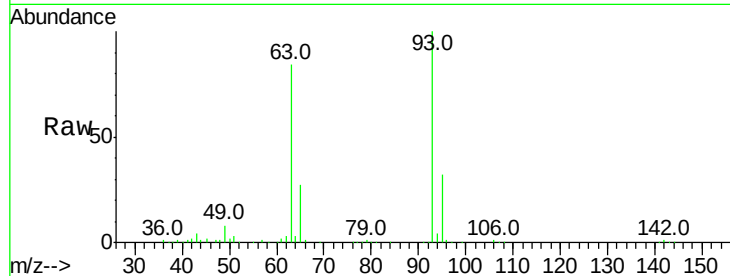
Tot Ion: 93 Resp: 693336

Ion Ratio Lower Upper

93 100

63 83.6 59.2 99.2

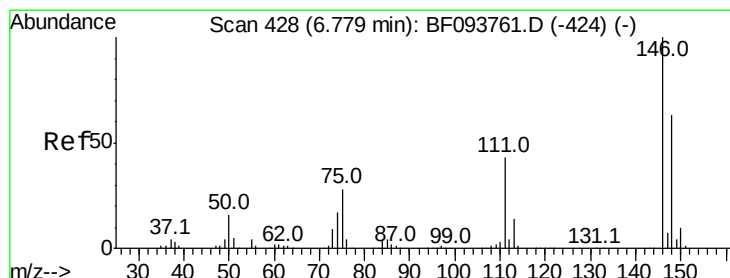
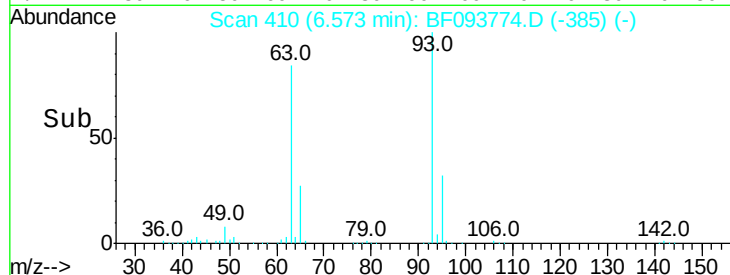
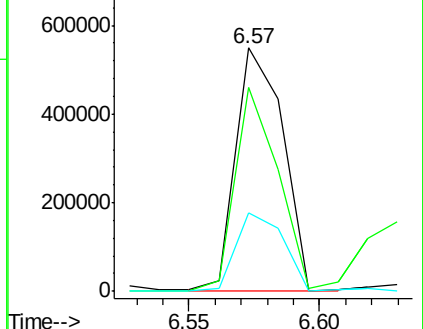
95 32.1 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 43.69 ng

RT: 6.78 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

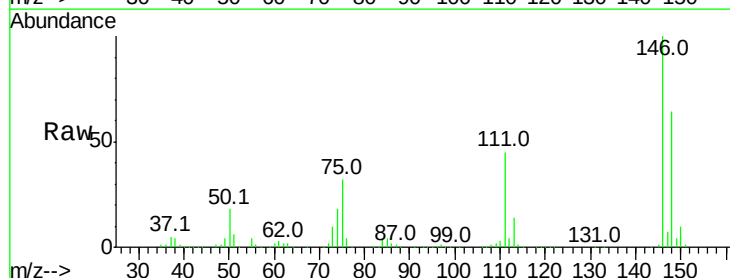
Tgt Ion: 146 Resp: 700625

Ion Ratio Lower Upper

146 100

148 64.3 51.8 77.6

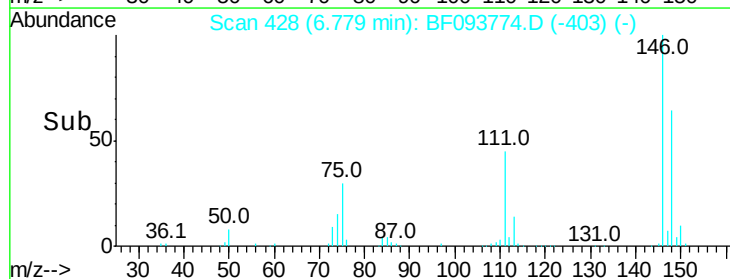
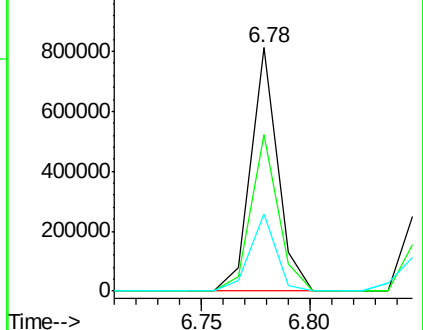
75 31.6 23.1 34.7

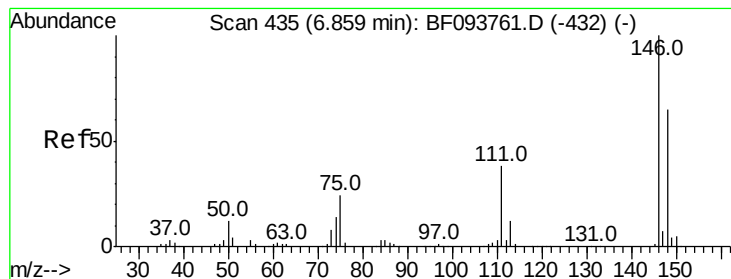


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 47.16 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

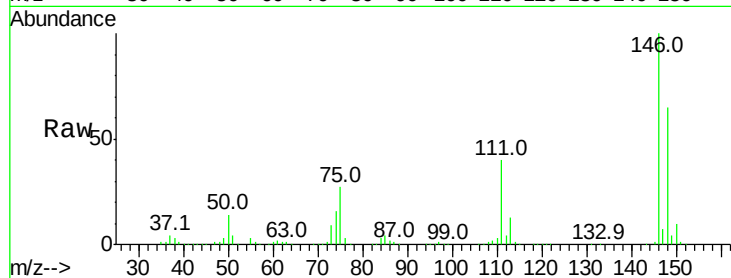
Tot Ion:146 Resp: 771501

Ion Ratio Lower Upper

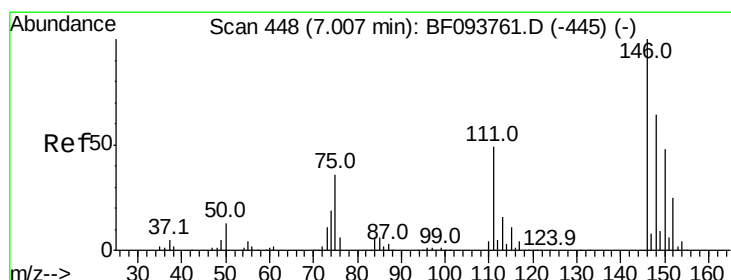
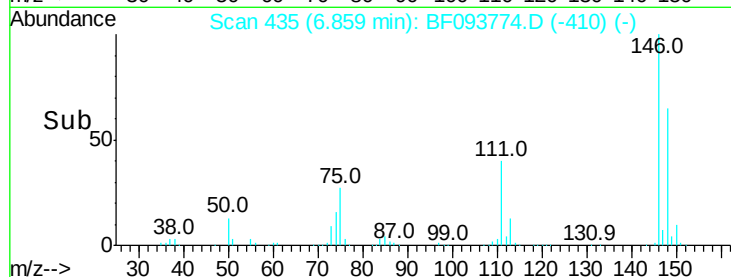
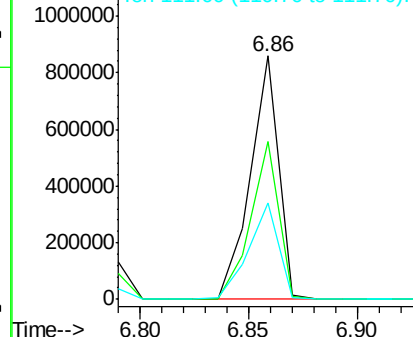
146 100

148 65.0 52.2 78.2

111 39.9 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.77 ng

RT: 7.01 min Scan# 448

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

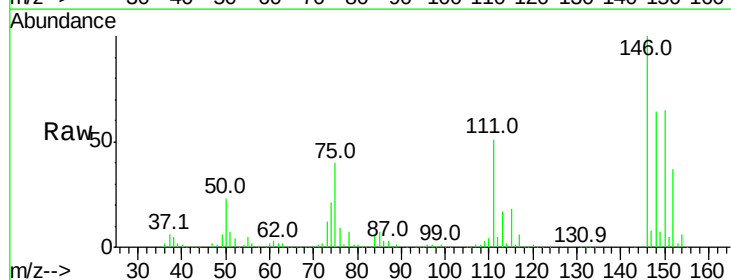
Tgt Ion:146 Resp: 641764

Ion Ratio Lower Upper

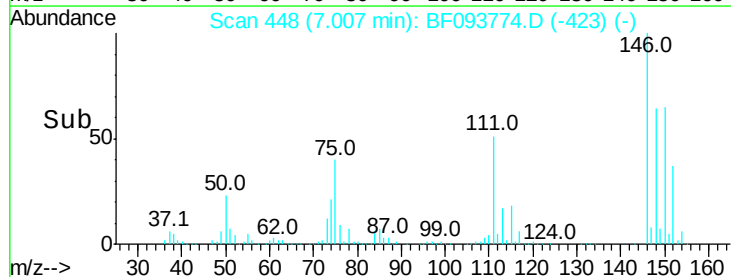
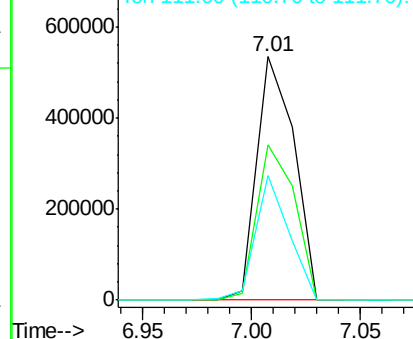
146 100

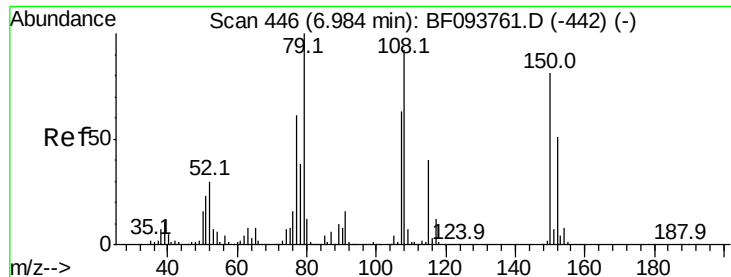
148 63.5 50.4 75.6

111 51.0 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 53.98 ng

RT: 6.98 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

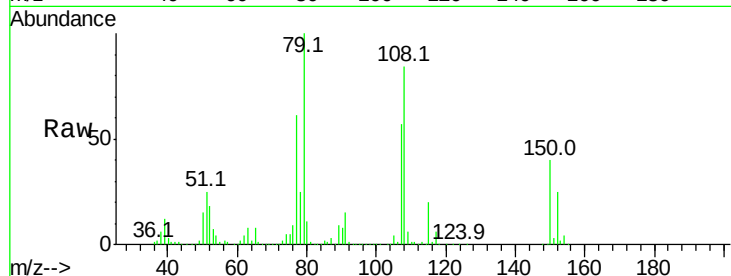
Tot Ion: 79 Resp: 635277

Ion Ratio Lower Upper

79 100

108 83.6 63.4 95.0

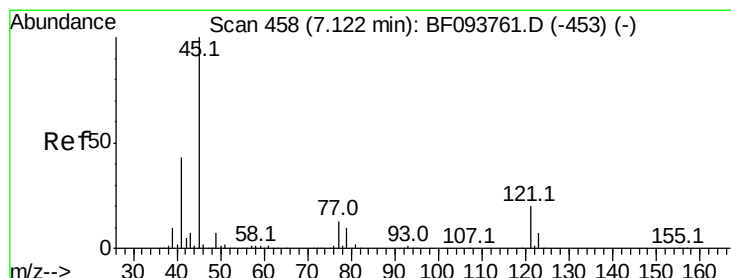
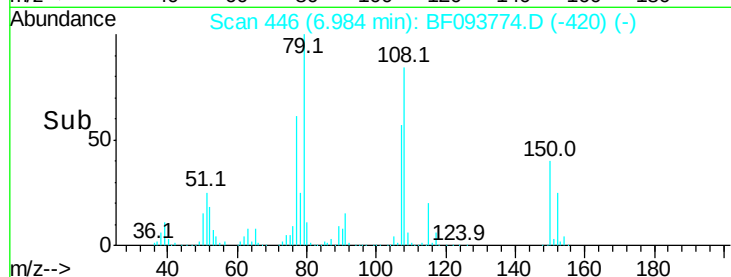
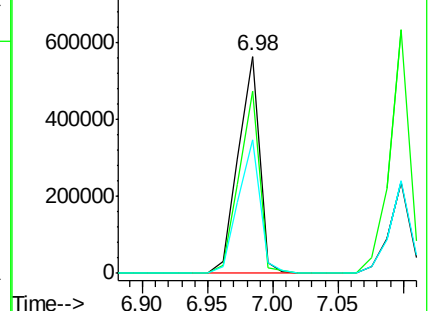
77 61.4 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.98 ng

RT: 7.12 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

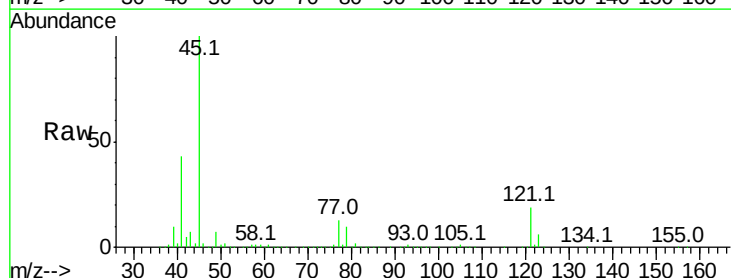
Tgt Ion: 45 Resp: 1036672

Ion Ratio Lower Upper

45 100

77 13.0 0.0 33.2

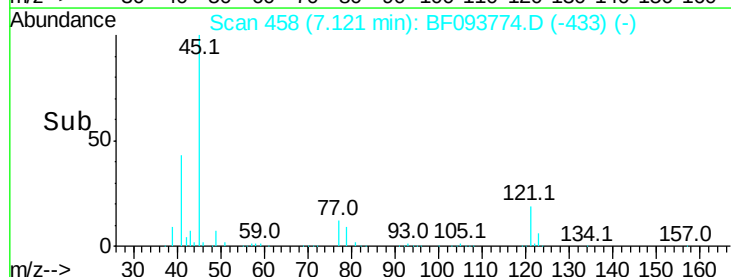
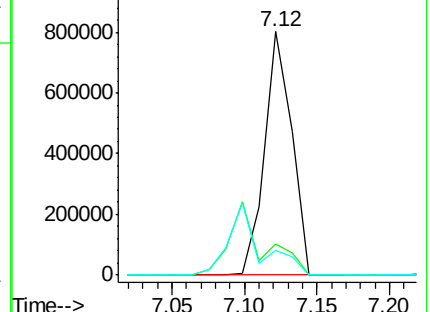
79 10.1 0.0 30.0

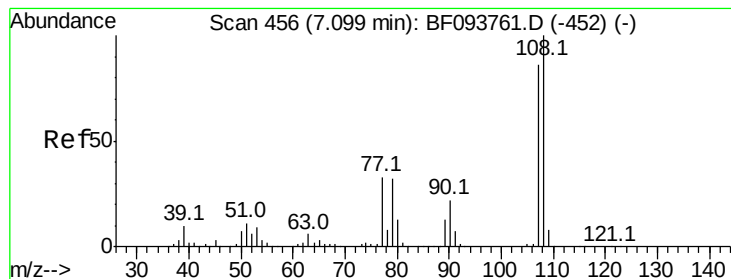


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

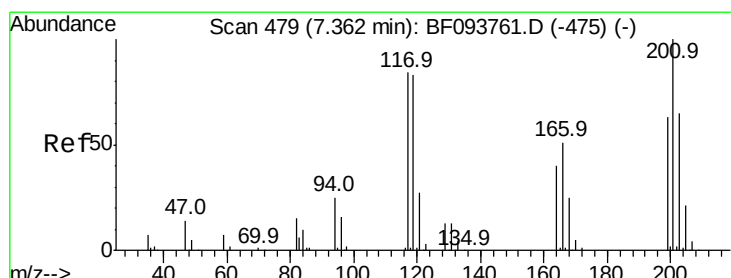
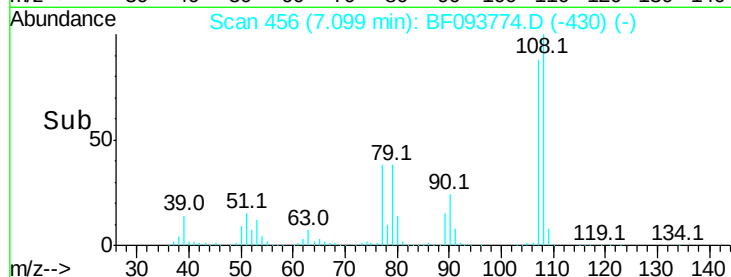
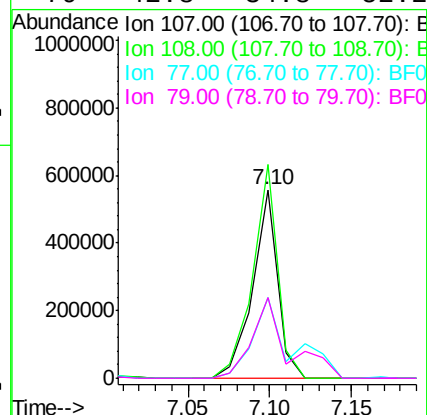
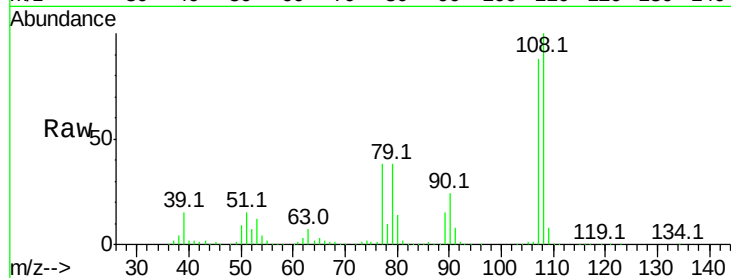




#17
2-Methylphenol
Concen: 47.71 ng
RT: 7.10 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

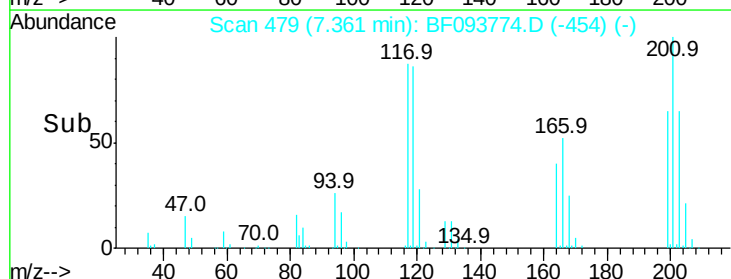
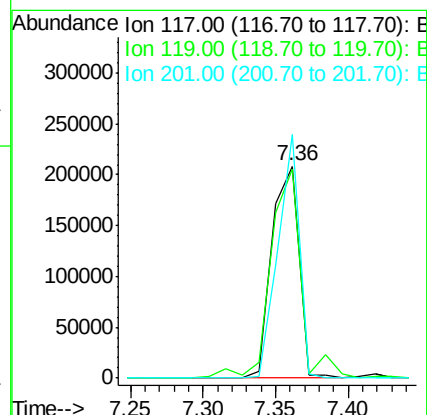
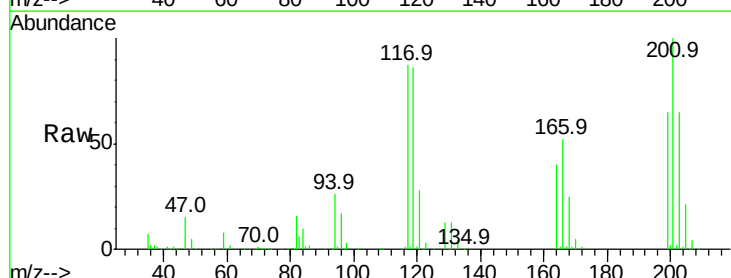
Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

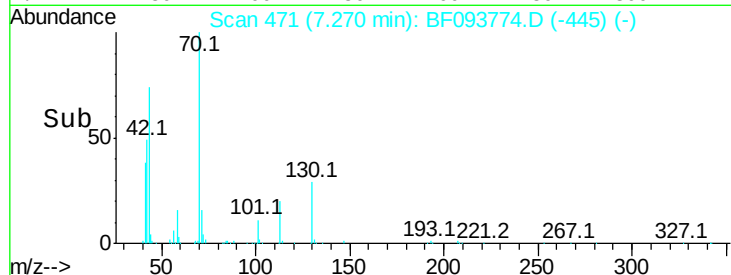
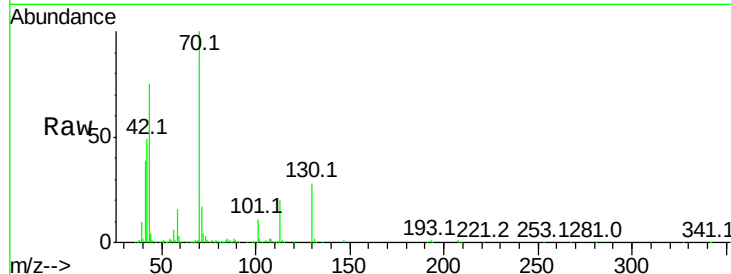
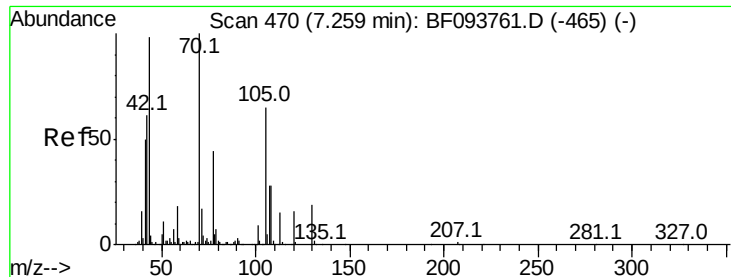
Tot Ion:107 Resp: 591883
Ion Ratio Lower Upper
107 100
108 113.4 93.4 140.0
77 43.0 35.8 53.6
79 42.8 34.8 52.2



#18
Hexachloroethane
Concen: 46.50 ng
RT: 7.36 min Scan# 479
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion:117 Resp: 269697
Ion Ratio Lower Upper
117 100
119 98.8 77.4 116.0
201 114.9 94.6 141.8

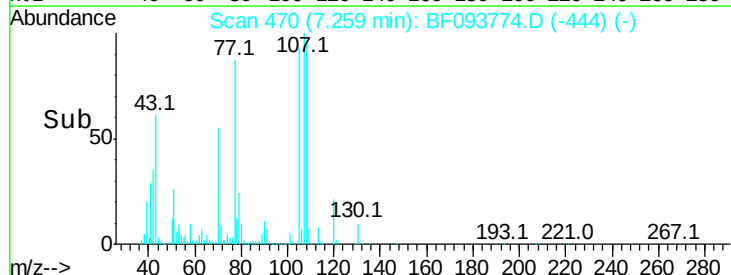
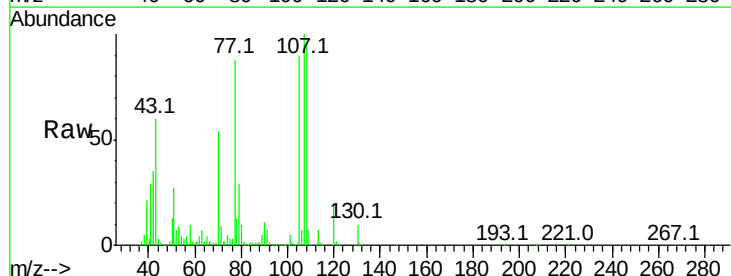
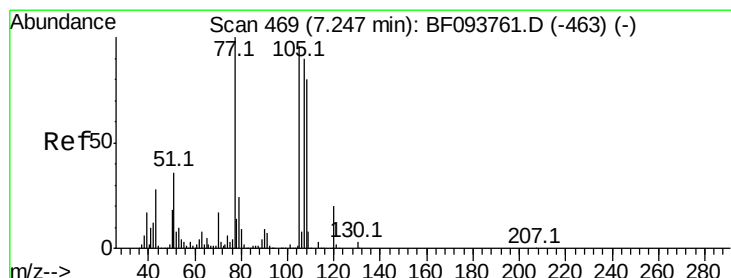
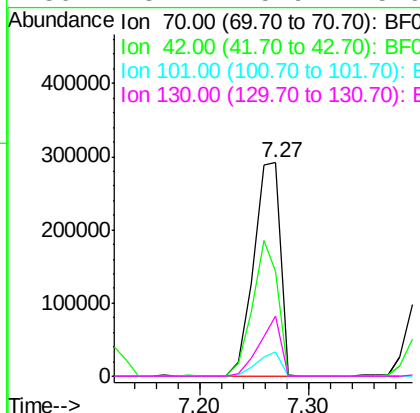




#19
n-Nitroso-di-n-propylamine
Concen: 47.89 ng
RT: 7.27 min Scan# 471
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

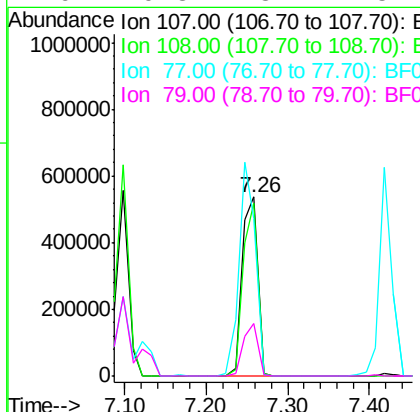
Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

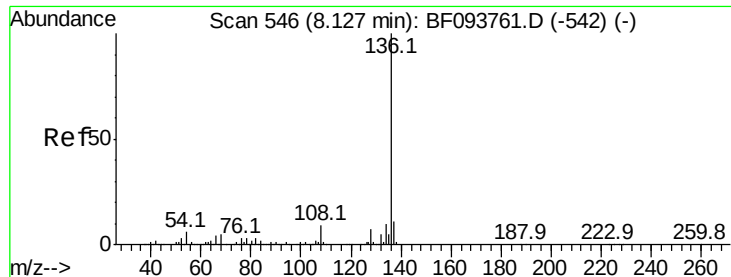
Tot Ion	Ratio	Lower	Upper
70	100		
42	49.0	47.2	70.8
101	11.3	7.2	10.8#
130	28.4	15.9	23.9#



#20
3+4-Methylphenols
Concen: 48.77 ng
RT: 7.26 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
107	100		
108	96.4	71.0	111.0
77	88.1	90.5	130.5#
79	29.3	8.4	48.4

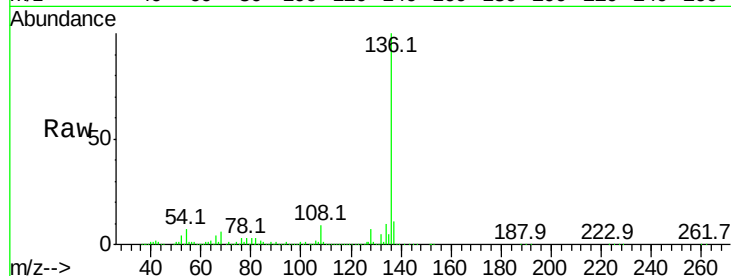




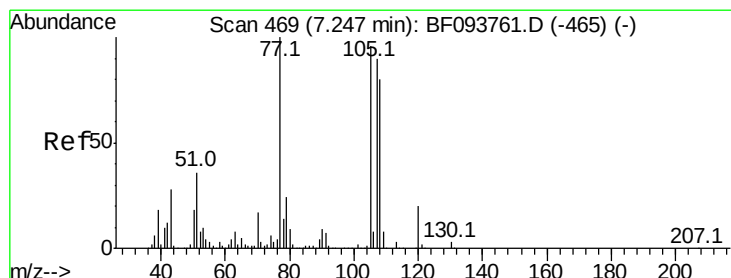
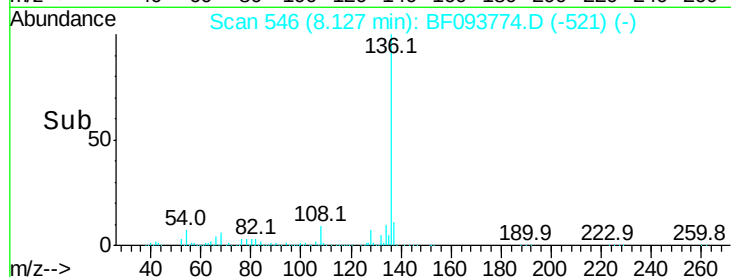
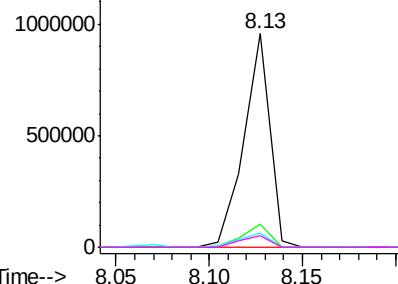
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion:	136	Resp:	916272
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.7	4.9	7.3
68	5.6	4.1	6.1

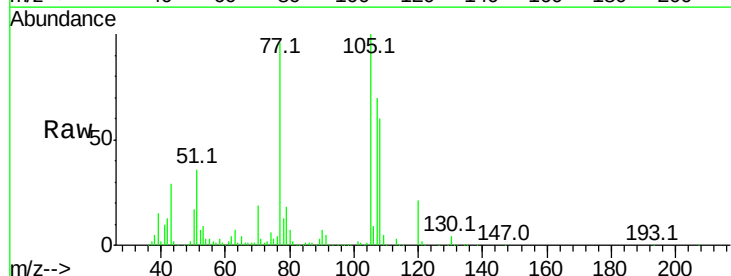


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

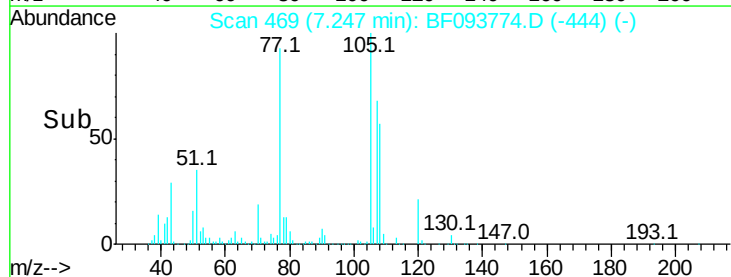
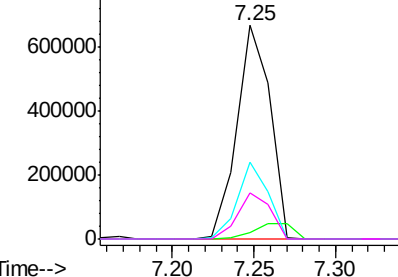


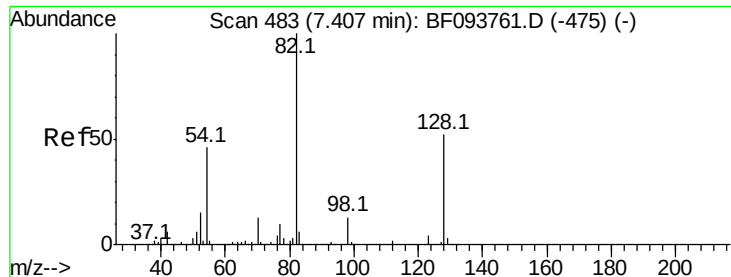
#22
Acetophenone
Concen: 47.44 ng
RT: 7.25 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion:	105	Resp:	941142
Ion	Ratio	Lower	Upper
105	100		
71	3.3	2.8	4.2
51	36.0	30.7	46.1
120	21.4	17.4	26.0



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: 91.06 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampled :

SPA-B6(0-5)MSD

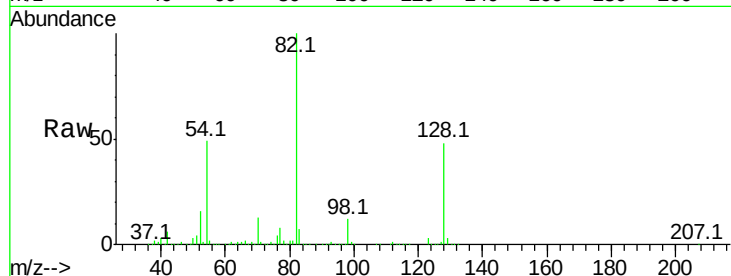
Tot Ion: 82 Resp: 1470729

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

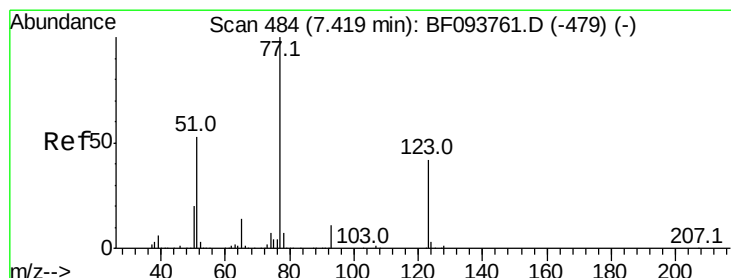
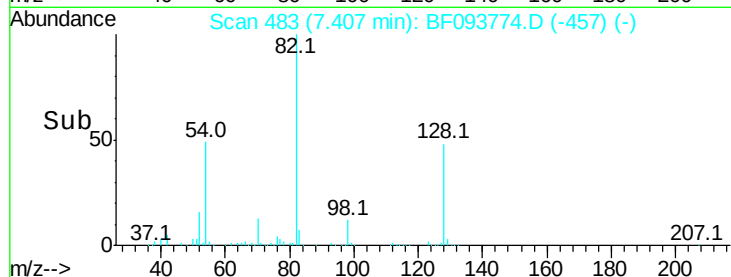
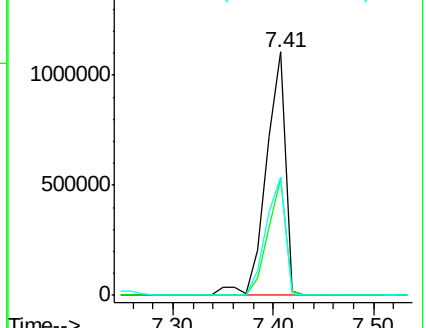
54 48.7 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 43.24 ng

RT: 7.42 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

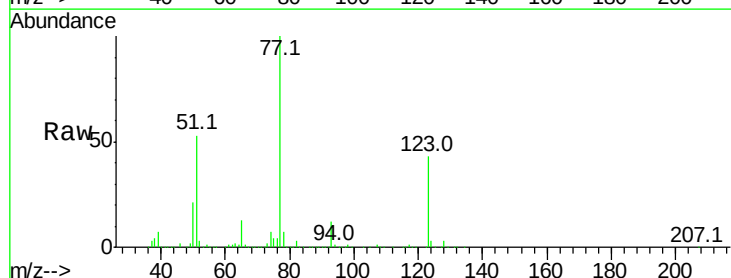
Tgt Ion: 77 Resp: 667253

Ion Ratio Lower Upper

77 100

123 43.1 35.8 53.8

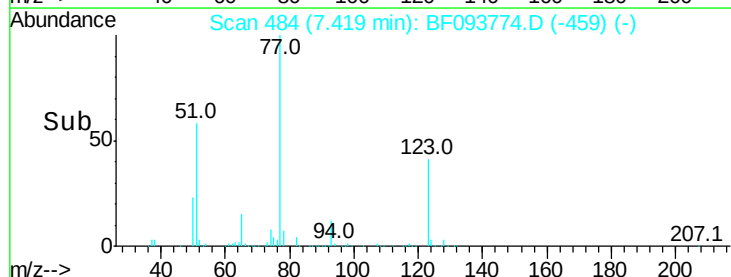
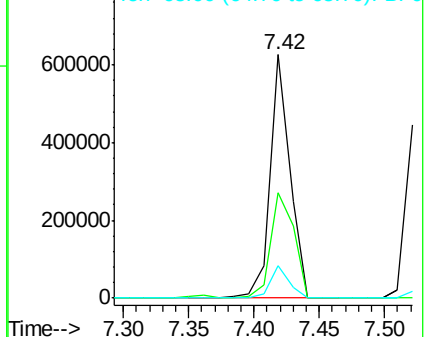
65 13.4 10.6 15.8

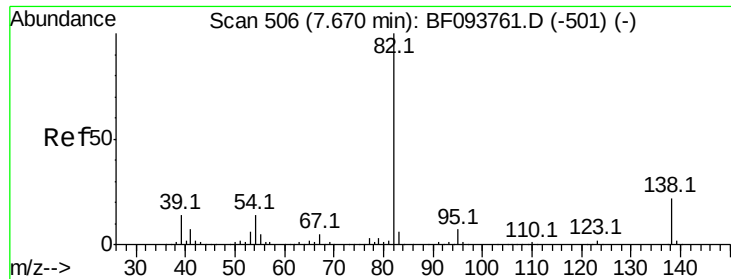


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 48.75 ng

RT: 7.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

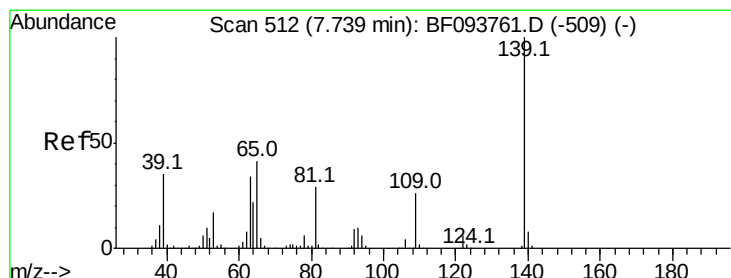
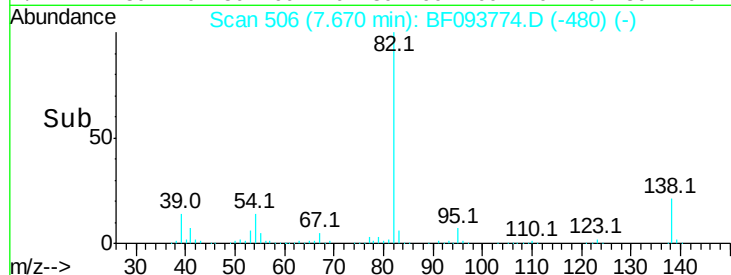
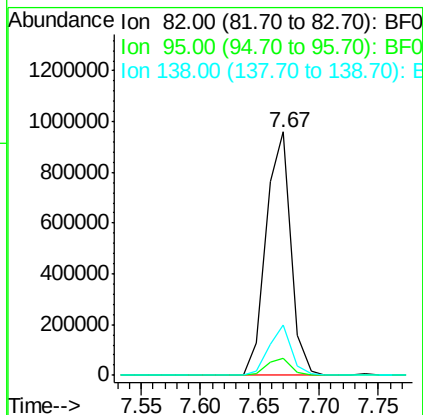
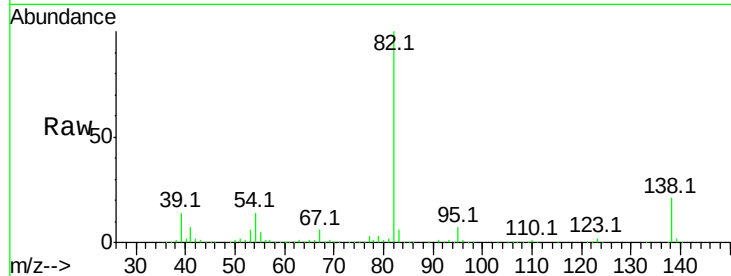
Tot Ion: 82 Resp: 1394847

Ion Ratio Lower Upper

82 100

95 7.0 5.3 7.9

138 20.7 13.1 19.7#



#26

2-Nitrophenol

Concen: 52.70 ng

RT: 7.74 min Scan# 512

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

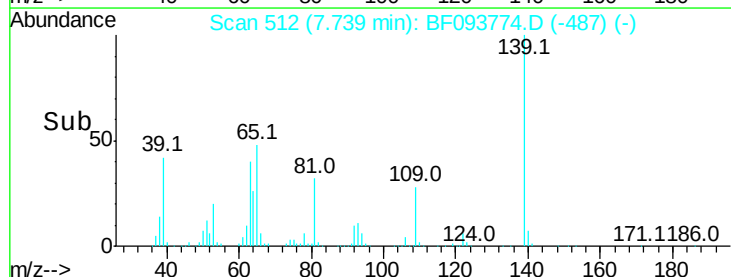
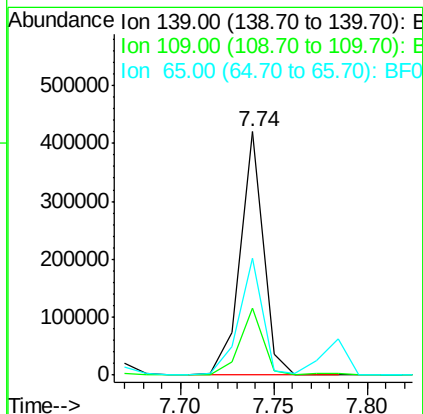
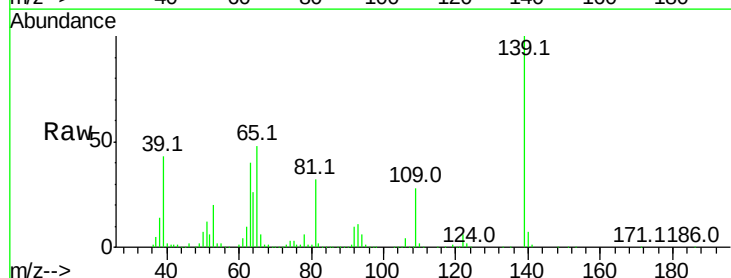
Tgt Ion:139 Resp: 367743

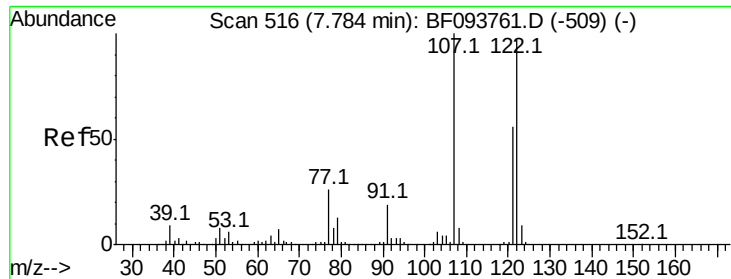
Ion Ratio Lower Upper

139 100

109 27.7 21.0 31.6

65 48.0 33.0 49.6

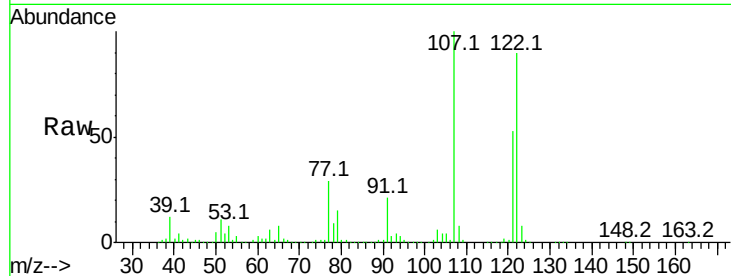




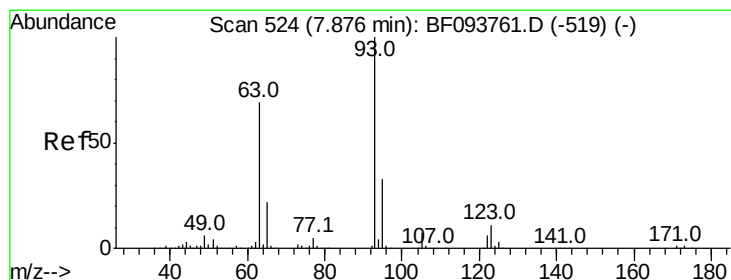
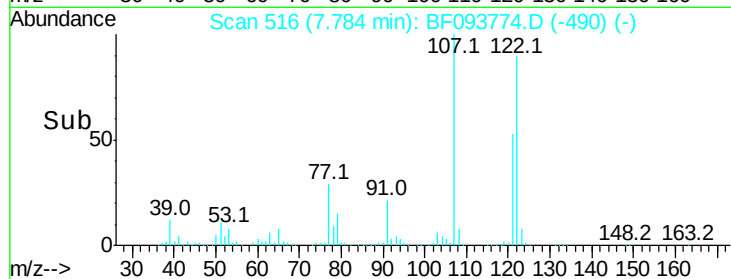
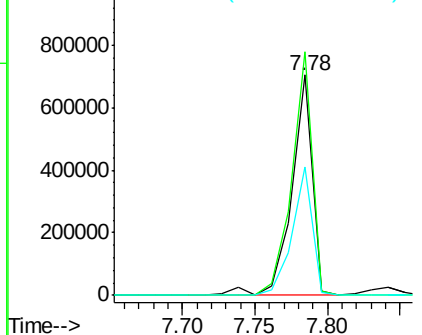
#27
 2,4-Dimethylphenol
 Concen: 48.65 ng
 RT: 7.78 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.6	89.2	133.8
121	58.3	45.2	67.8

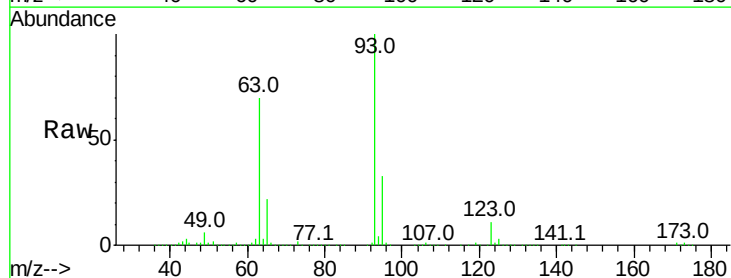


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

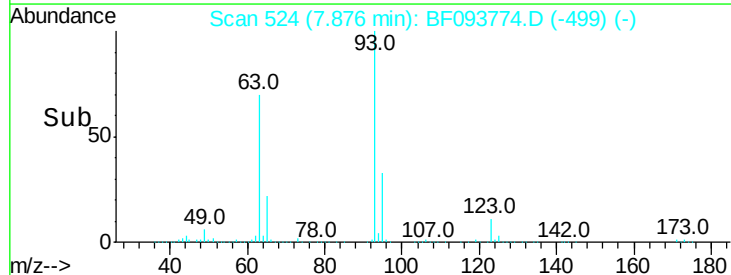
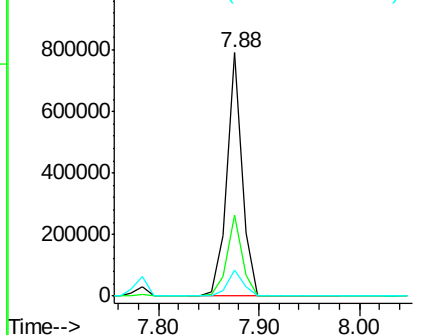


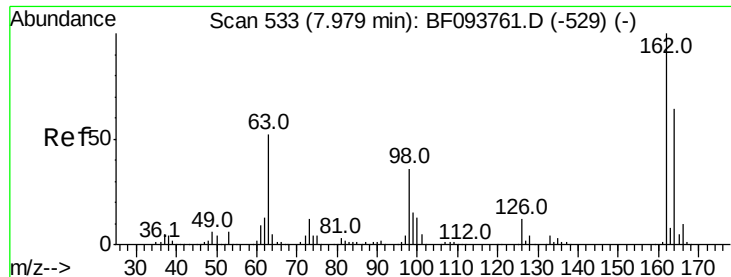
#28
 bis(2-Chloroethoxy)methane
 Concen: 45.04 ng
 RT: 7.88 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.5	39.7
123	10.6	9.0	13.4



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

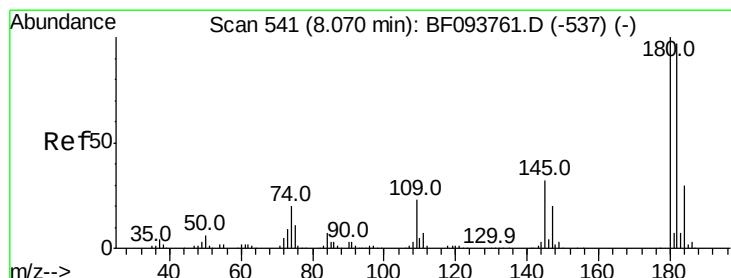
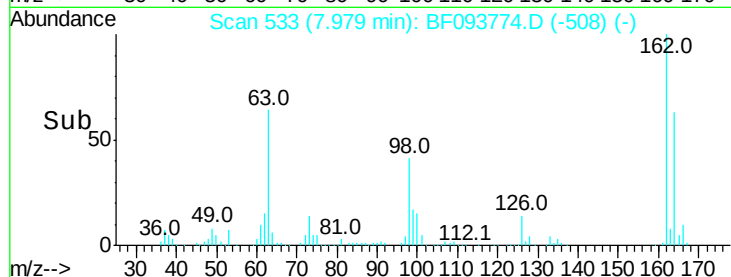
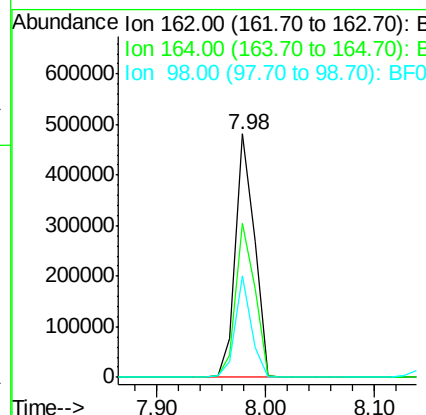
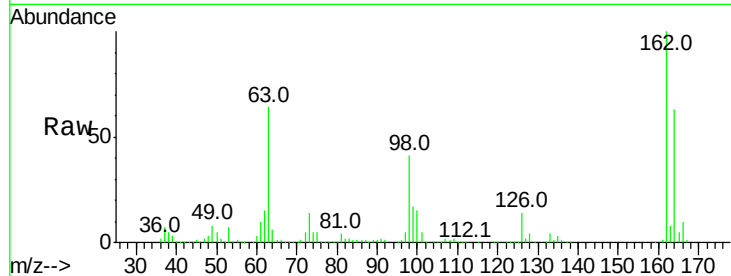




#29
 2,4-Dichlorophenol
 Concen: 47.00 ng
 RT: 7.98 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

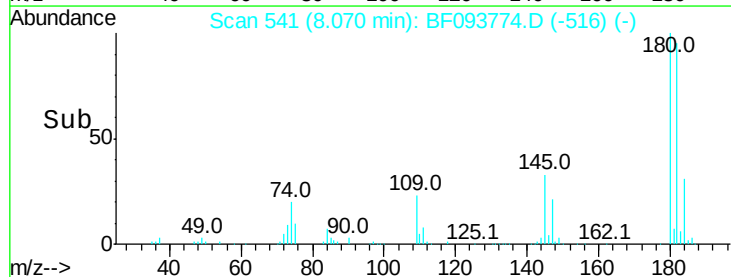
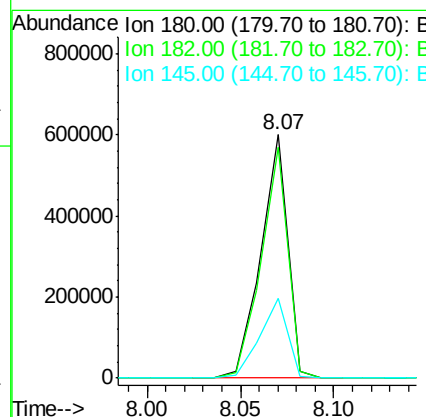
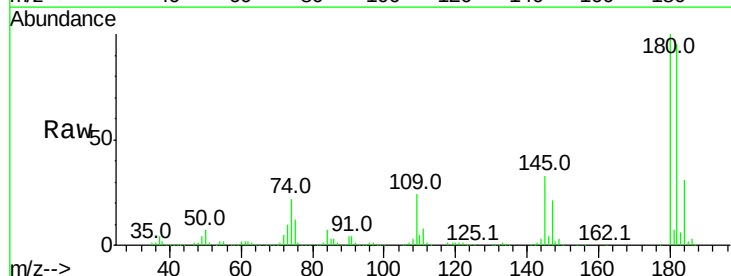
Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

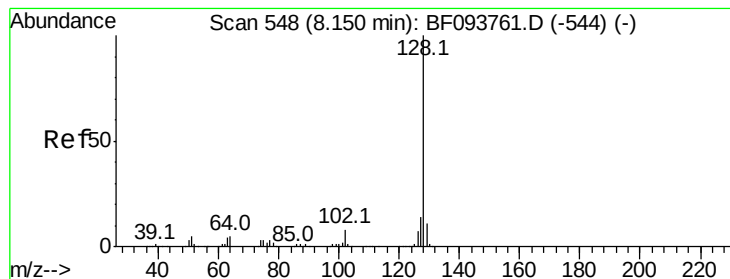
Tot Ion:162 Resp: 574204
 Ion Ratio Lower Upper
 162 100
 164 63.4 44.6 84.6
 98 41.5 14.8 54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 46.82 ng
 RT: 8.07 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion:180 Resp: 594016
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.6
 145 32.6 25.3 37.9





#31

Naphthalene

Concen: 47.56 ng

RT: 8.15 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

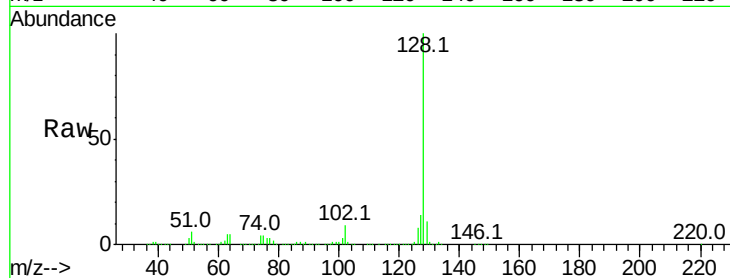
Tot Ion:128 Resp: 2022522

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

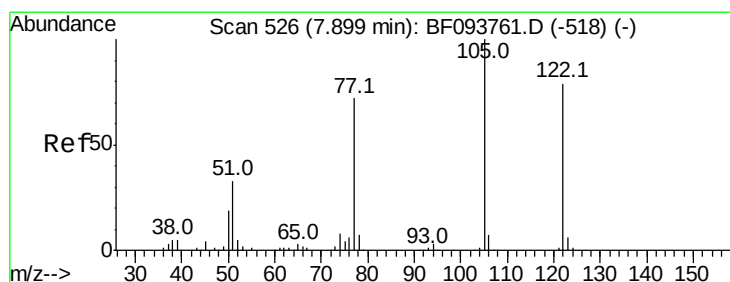
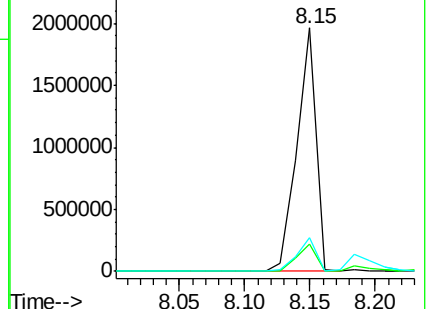
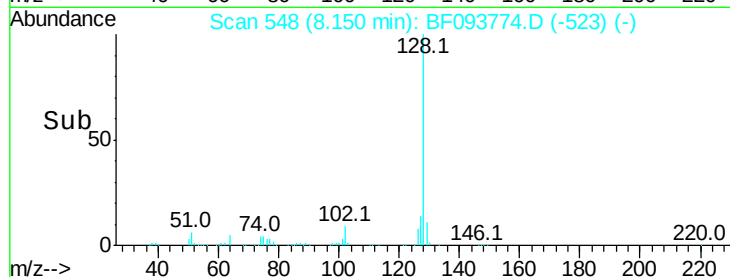
127 14.0 10.8 16.2



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



#32

Benzoic acid

Concen: 5.57 ng

RT: 7.84 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

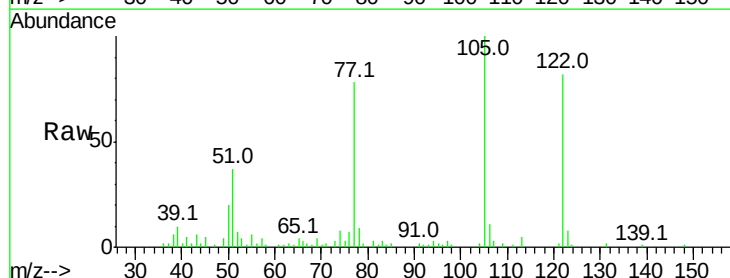
Tgt Ion:122 Resp: 49716

Ion Ratio Lower Upper

122 100

105 121.7 103.3 143.3

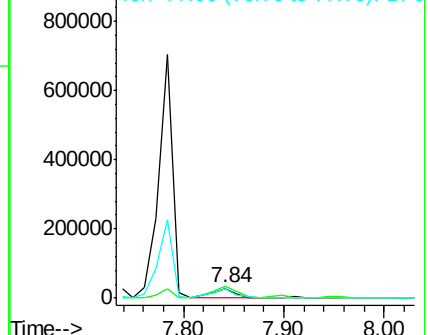
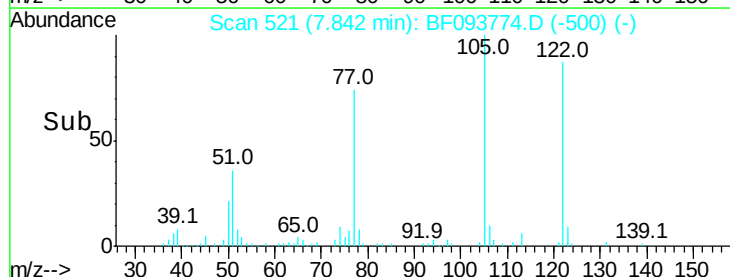
77 94.6 73.7 113.7

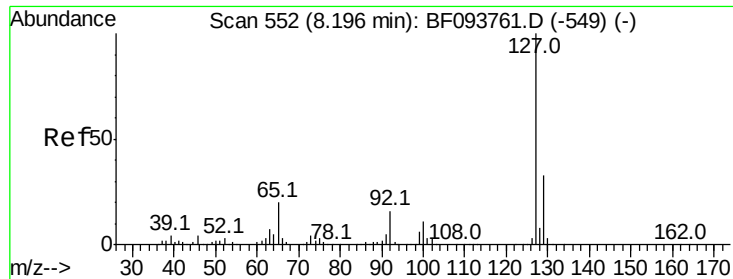


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

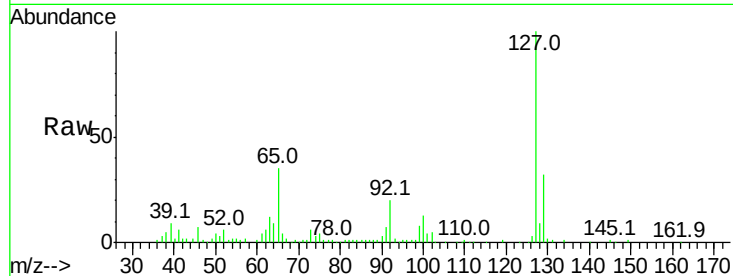




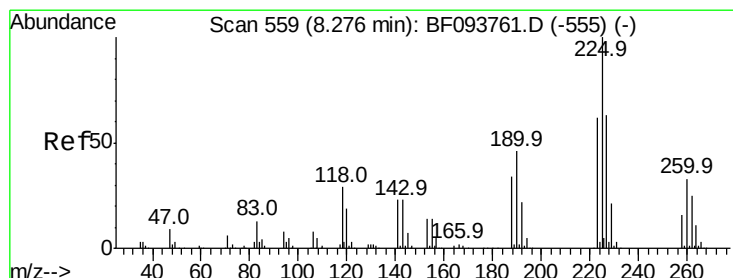
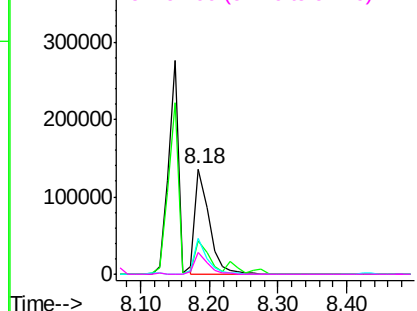
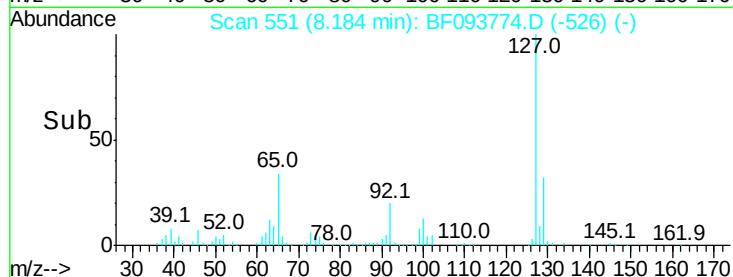
#33
4-Chloroaniline
Concen: 10.40 ng
RT: 8.18 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion:	127	Resp:	190007
Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.2	39.2
65	34.7	27.8	41.8
92	20.4	16.8	25.2

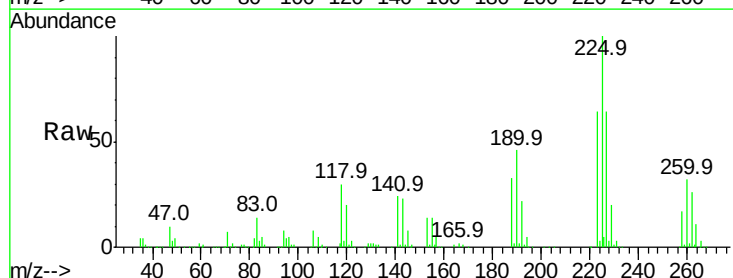


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

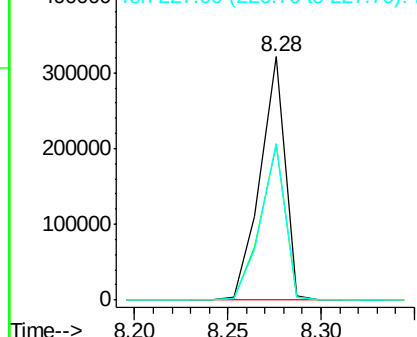
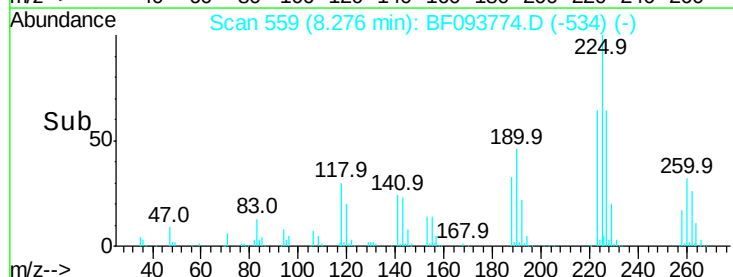


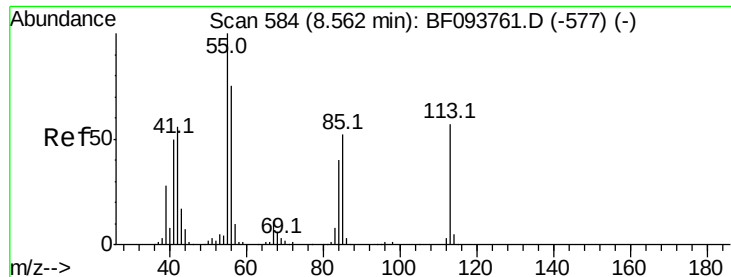
#34
Hexachlorobutadiene
Concen: 45.24 ng
RT: 8.28 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion:	225	Resp:	301825
Ion	Ratio	Lower	Upper
225	100		
223	63.8	48.8	73.2
227	64.2	51.1	76.7



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

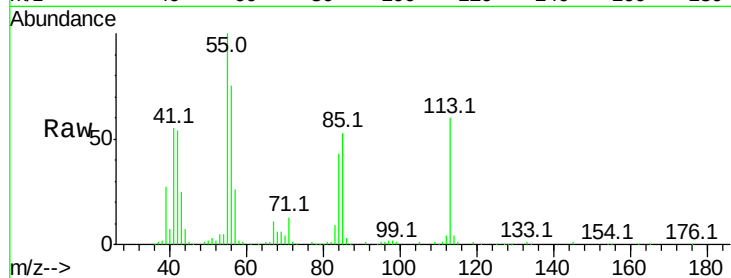




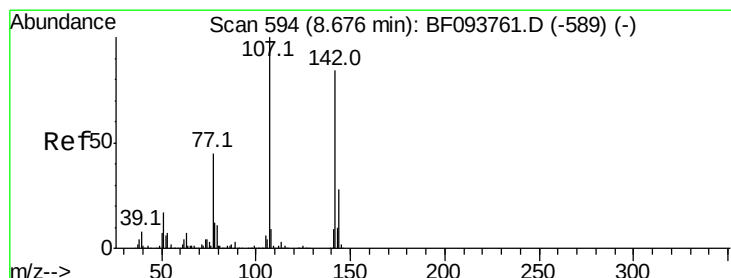
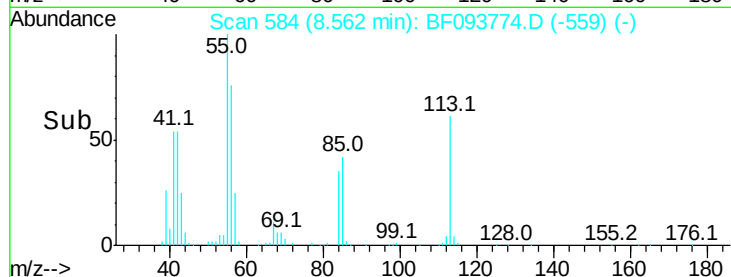
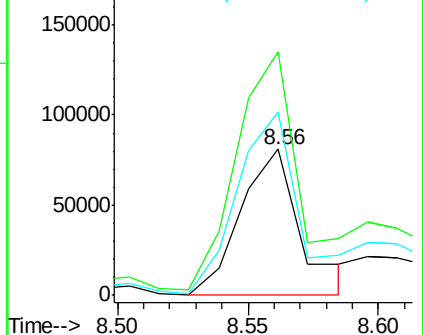
#35
 Caprolactam
 Concen: 33.95 ng
 RT: 8.56 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion:113 Resp: 130194
 Ion Ratio Lower Upper
 113 100
 55 166.9 150.2 190.2
 56 125.6 107.8 147.8

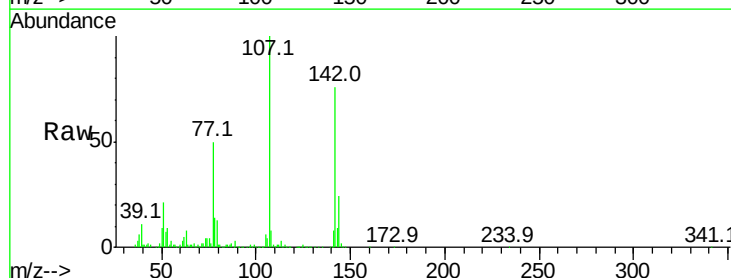


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

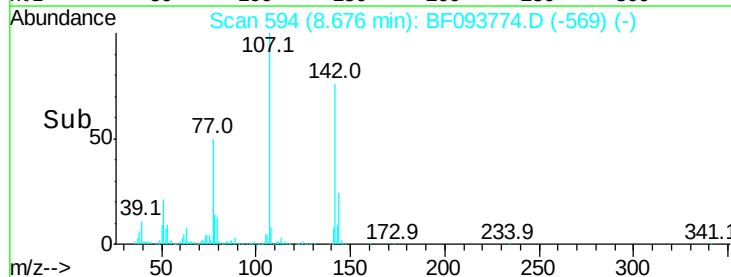
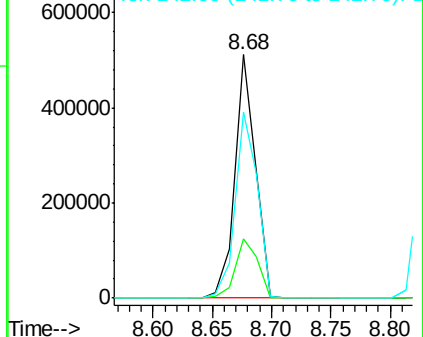


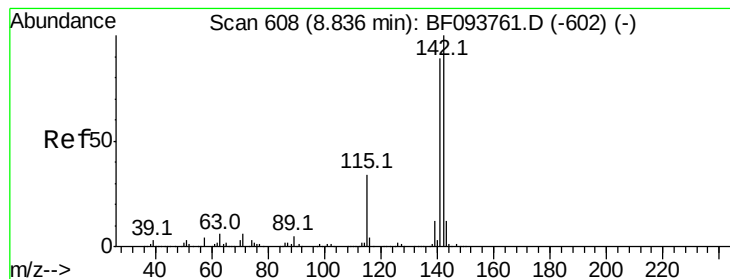
#36
 4-Chloro-3-methylphenol
 Concen: 48.99 ng
 RT: 8.68 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion:107 Resp: 620141
 Ion Ratio Lower Upper
 107 100
 144 24.2 24.2 36.4#
 142 76.4 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 43.73 ng

RT: 8.84 min Scan# 608

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

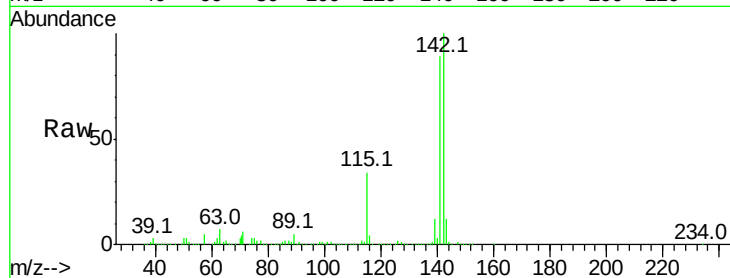
Tot Ion:142 Resp: 1213987

Ion Ratio Lower Upper

142 100

141 89.1 71.3 106.9

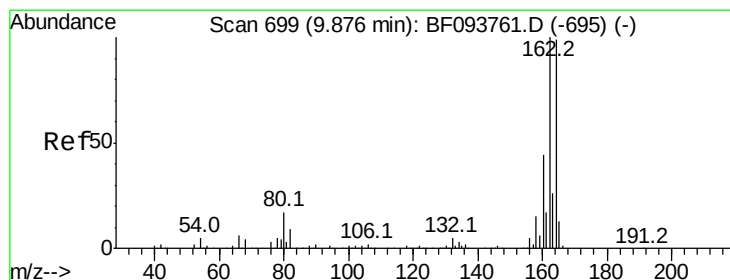
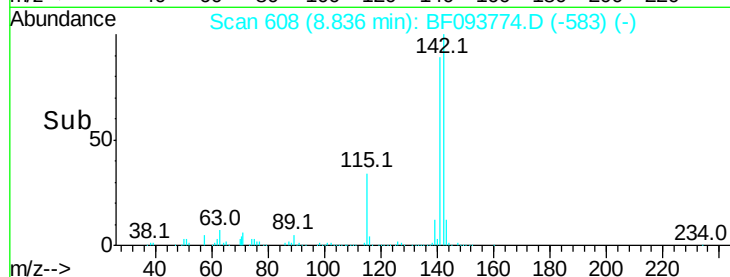
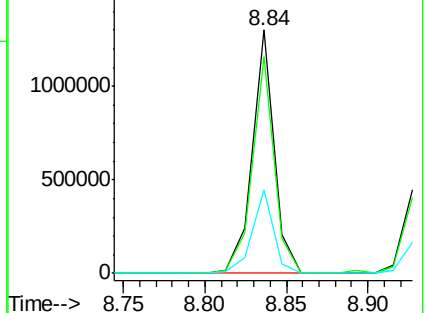
115 34.2 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

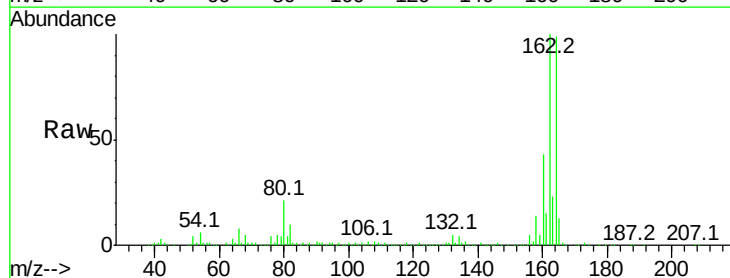
Tgt Ion:164 Resp: 393491

Ion Ratio Lower Upper

164 100

162 101.0 82.6 123.8

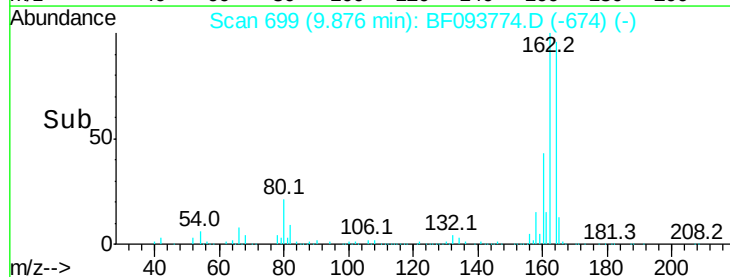
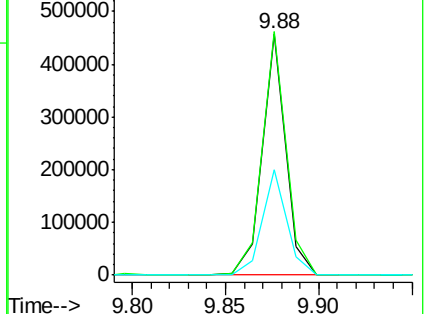
160 43.7 36.2 54.2

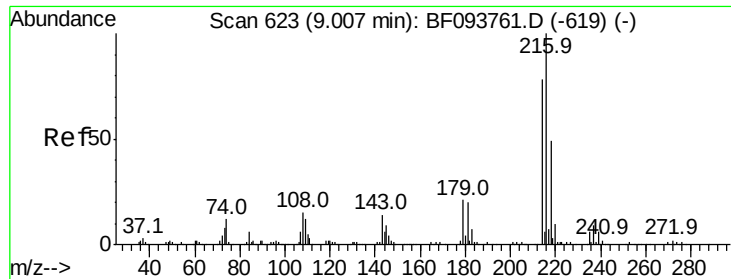


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

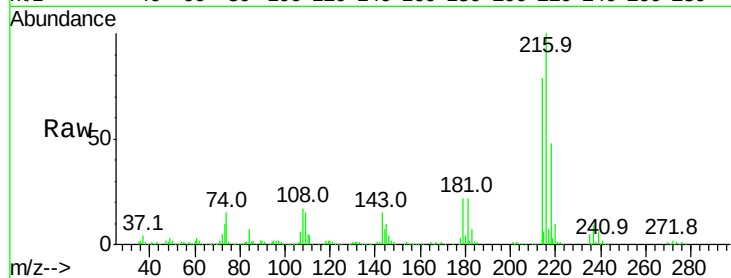




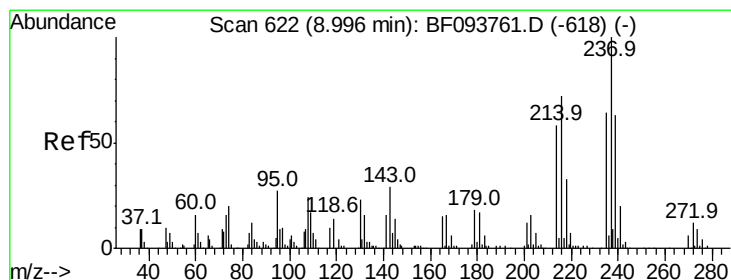
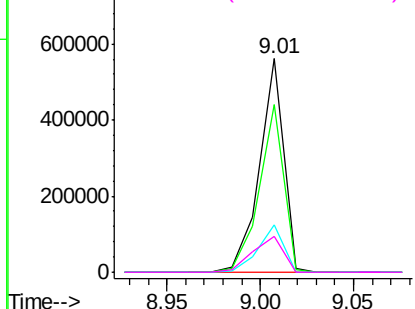
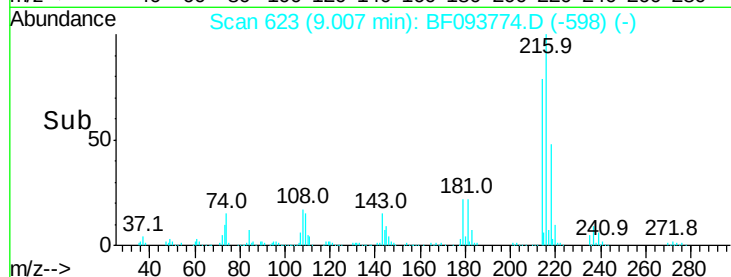
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 48.07 ng
 RT: 9.01 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion:	216	Resp:	500938
Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.4	95.2
179	23.3	17.9	26.9
108	21.2	16.5	24.7

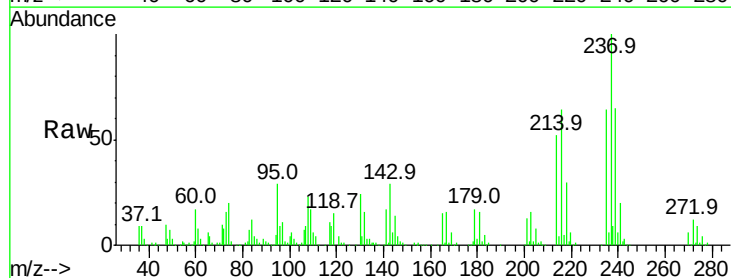


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

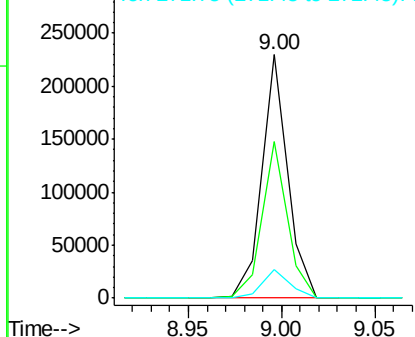
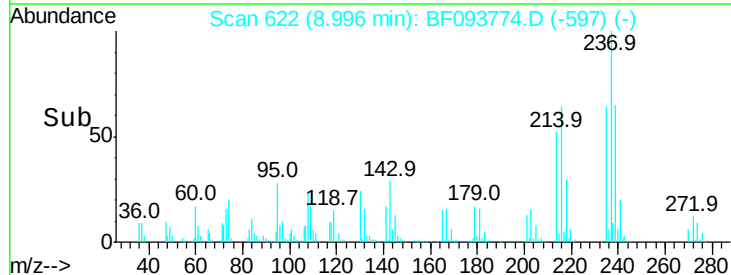


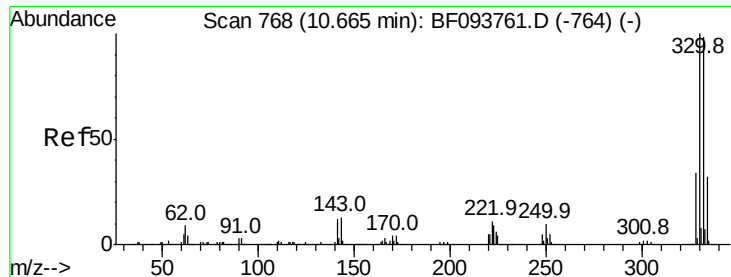
#40
 Hexachlorocyclopentadiene
 Concen: 41.55 ng
 RT: 9.00 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion:	237	Resp:	218466
Ion	Ratio	Lower	Upper
237	100		
235	64.3	42.6	82.6
272	11.6	0.0	31.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

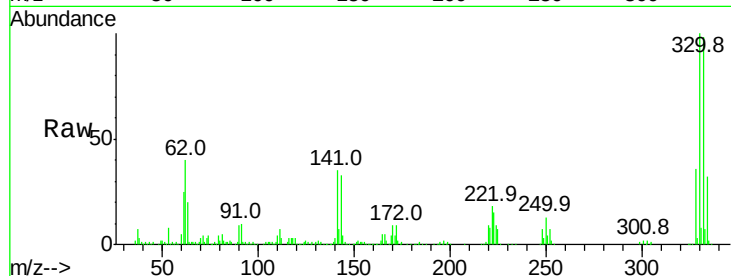




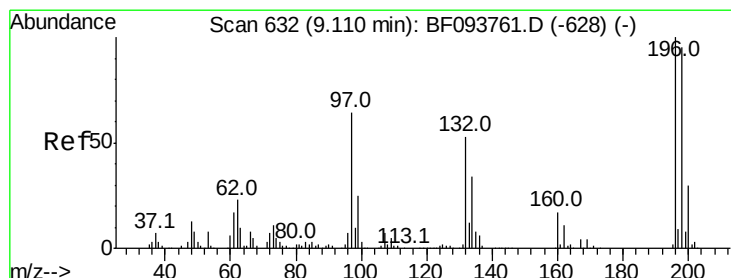
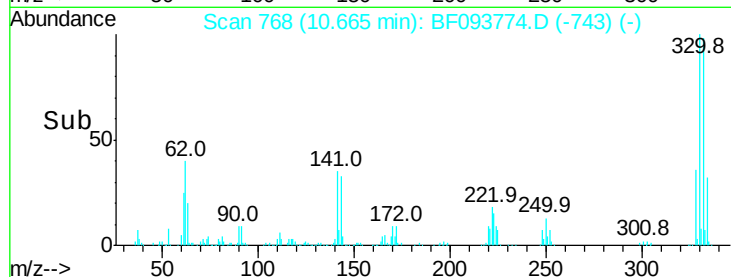
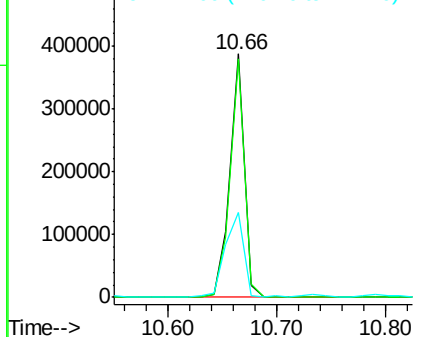
#41
 2,4,6-Tribromophenol
 Concen: 116.93 ng
 RT: 10.66 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	115.0
141	44.1	31.4	47.2

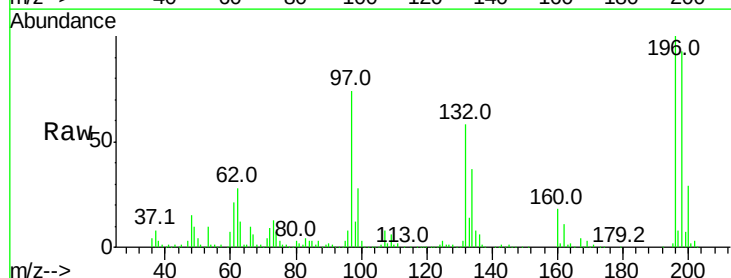


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

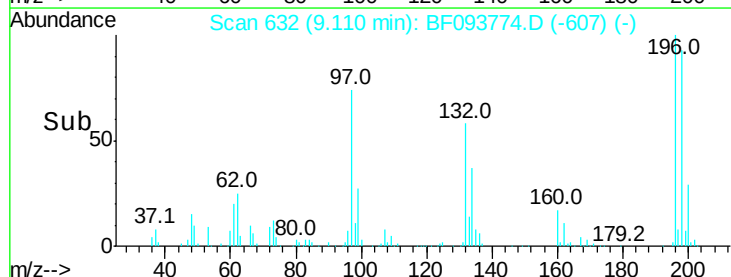
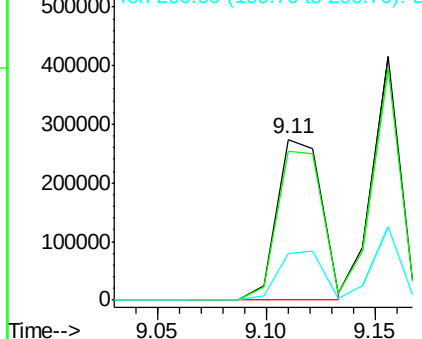


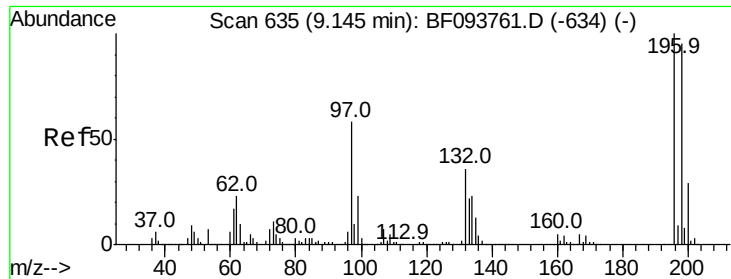
#42
 2,4,6-Trichlorophenol
 Concen: 51.68 ng
 RT: 9.11 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
196	100		
198	92.6	74.2	111.4
200	28.6	24.0	36.0



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

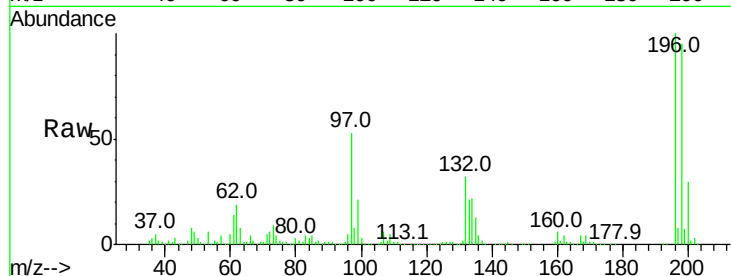




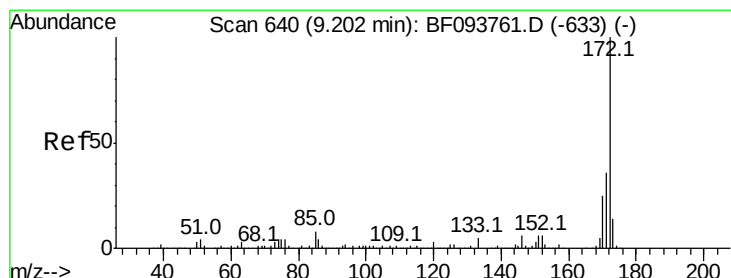
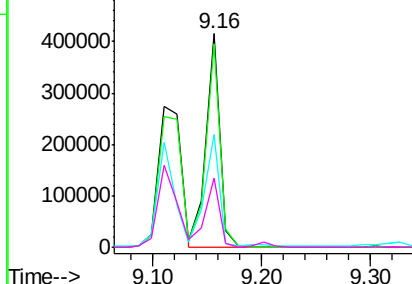
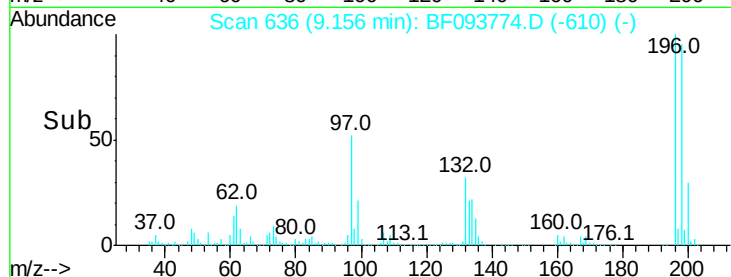
#43
 2,4,5-Trichlorophenol
 Concen: 47.53 ng
 RT: 9.16 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion:196 Resp: 373266
 Ion Ratio Lower Upper
 196 100
 198 95.5 75.7 113.5
 97 52.6 47.7 71.5
 132 32.1 28.0 42.0

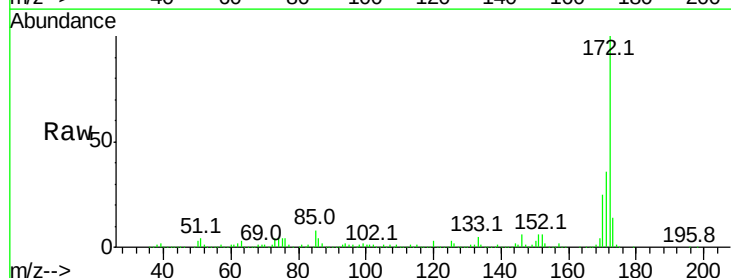


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

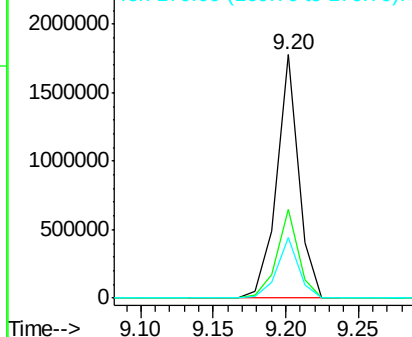
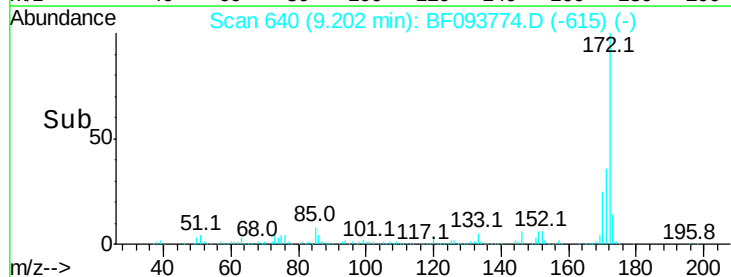


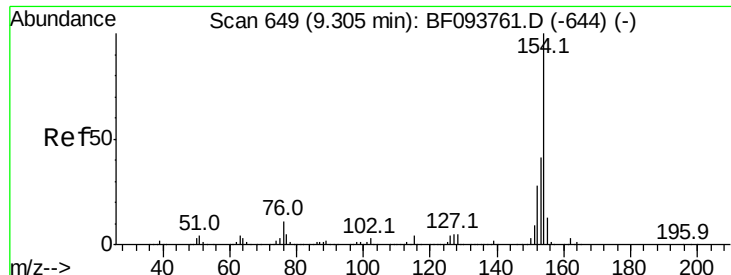
#44
 2-Fluorobiphenyl
 Concen: 79.69 ng
 RT: 9.20 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion:172 Resp: 1864718
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 25.0 19.8 29.8



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: 46.35 ng

RT: 9.30 min Scan# 649

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

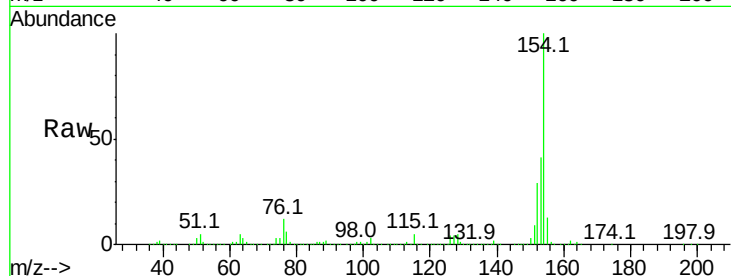
Tot Ion:154 Resp: 1482313

Ion Ratio Lower Upper

154 100

153 41.4 21.2 61.2

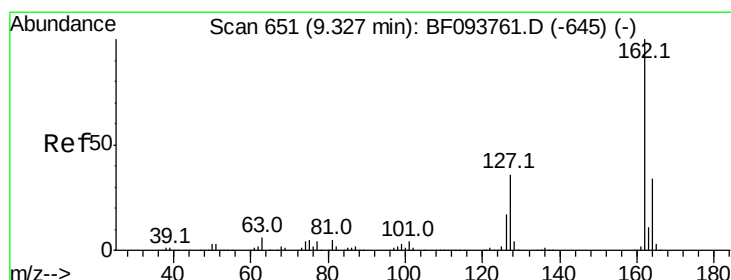
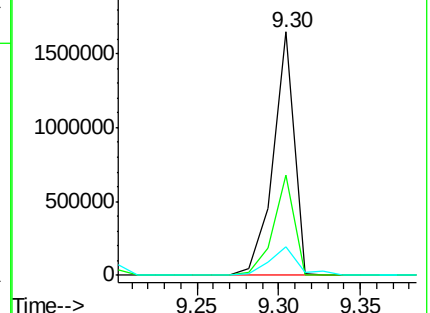
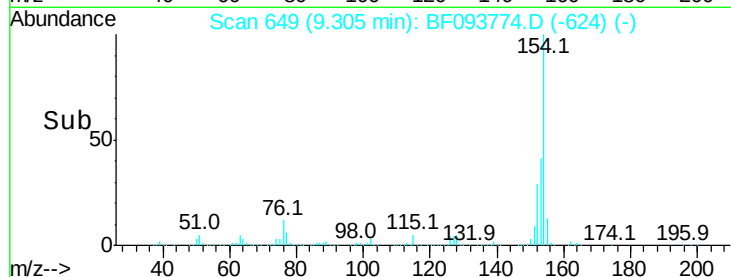
76 11.9 0.0 29.9



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: 48.53 ng

RT: 9.33 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

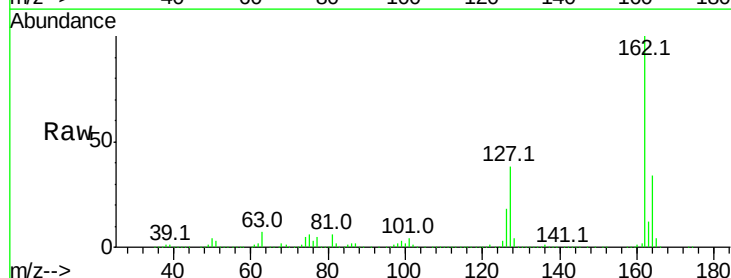
Tgt Ion:162 Resp: 1189924

Ion Ratio Lower Upper

162 100

127 38.1 28.3 42.5

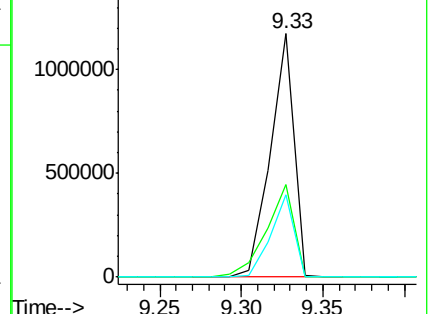
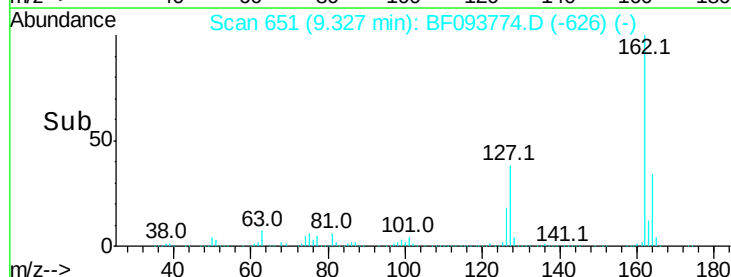
164 34.0 27.0 40.4

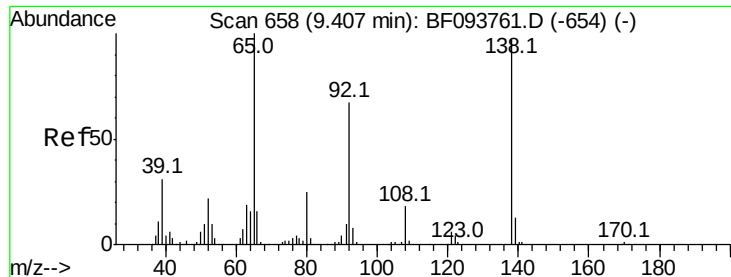


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

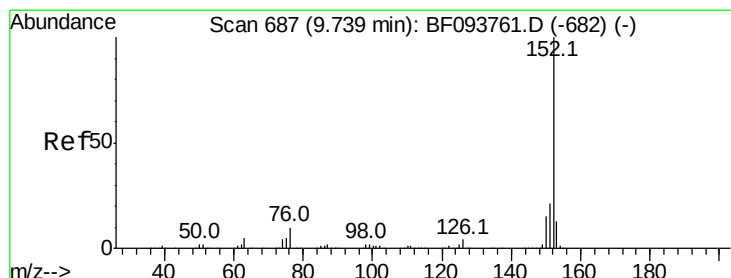
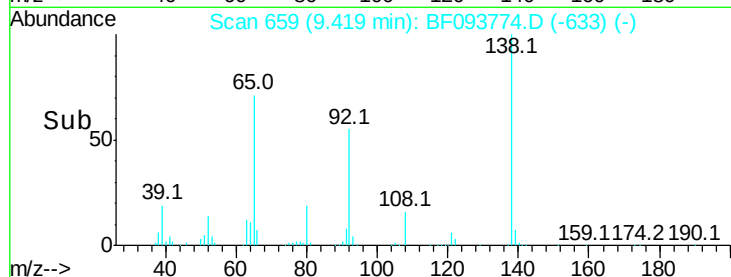
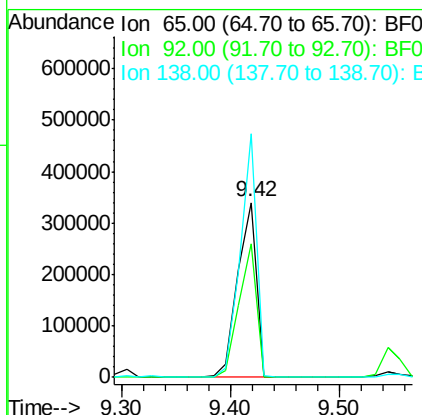
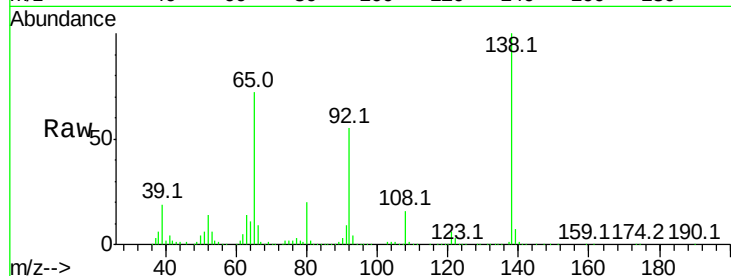




#47
2-Nitroaniline
Concen: 57.81 ng
RT: 9.42 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

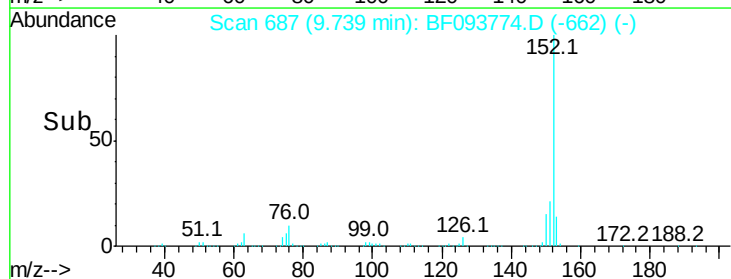
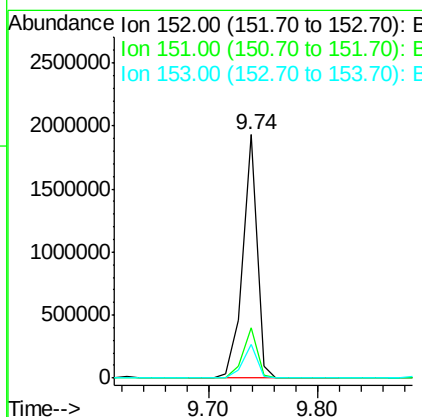
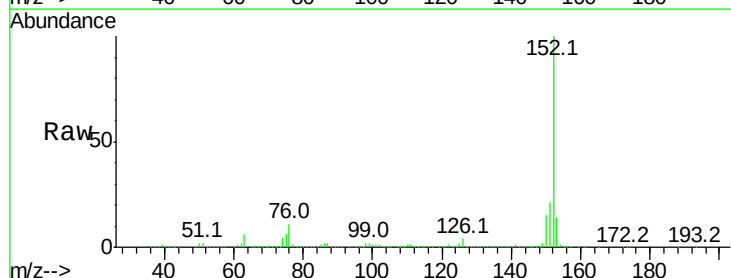
Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

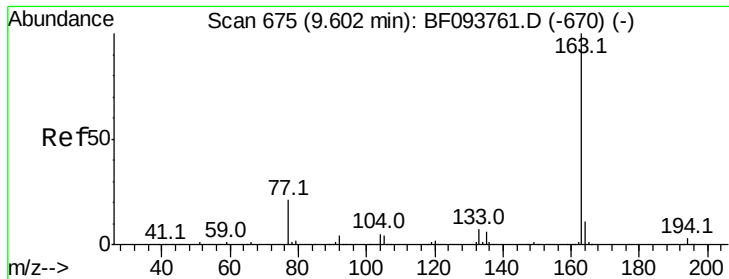
Tot Ion: 65 Resp: 395867
Ion Ratio Lower Upper
65 100
92 76.5 53.9 80.9
138 139.4 78.8 118.2#



#48
Acenaphthylene
Concen: 43.30 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion:152 Resp: 1727878
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2
153 13.9 10.8 16.2





#49

Dimethylphthalate

Concen: 57.15 ng

RT: 9.60 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

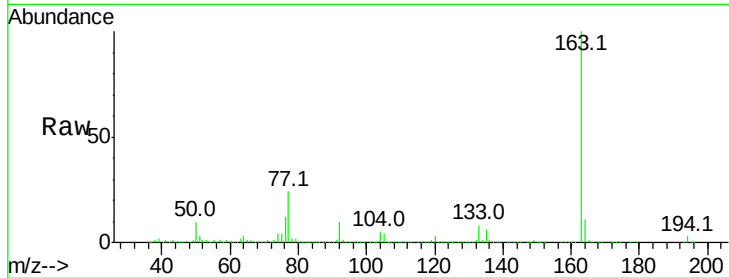
Tot Ion:163 Resp: 1600344

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

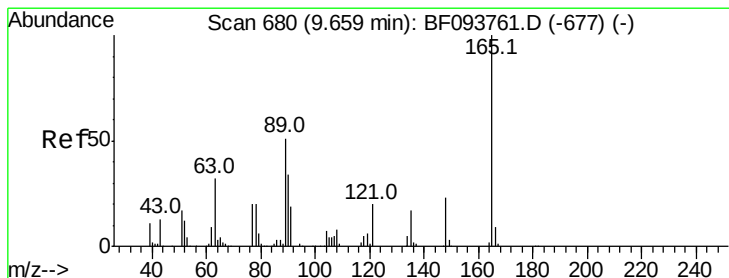
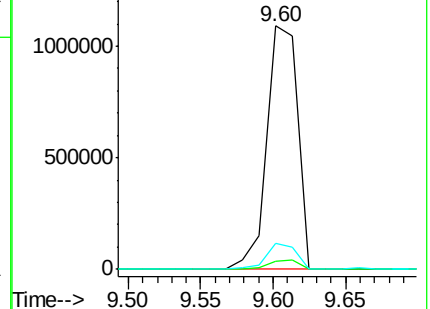
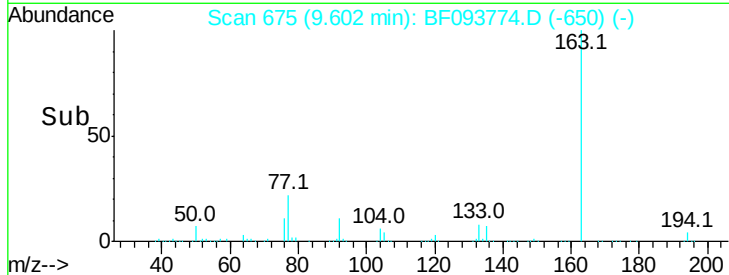
164 10.8 8.4 12.6



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: 47.22 ng

RT: 9.66 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

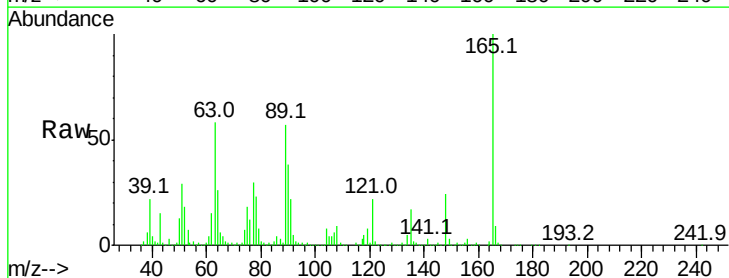
Tgt Ion:165 Resp: 290314

Ion Ratio Lower Upper

165 100

63 57.9 34.3 51.5#

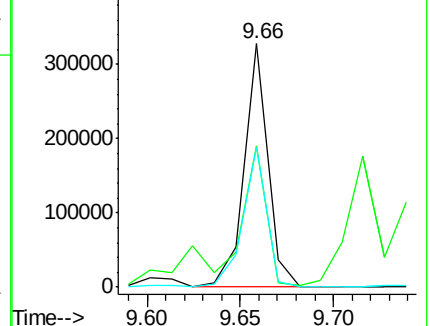
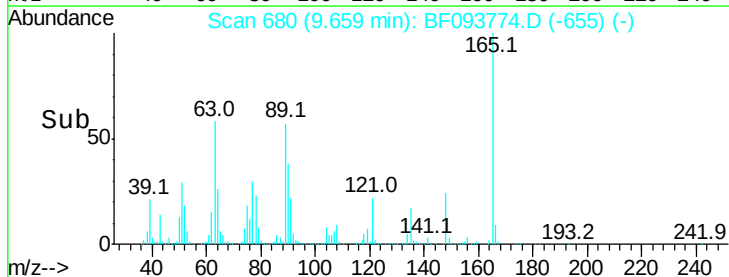
89 57.3 37.1 55.7#

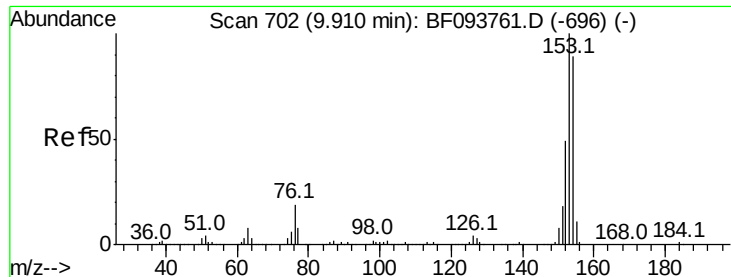


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.79 ng

RT: 9.91 min Scan# 702

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

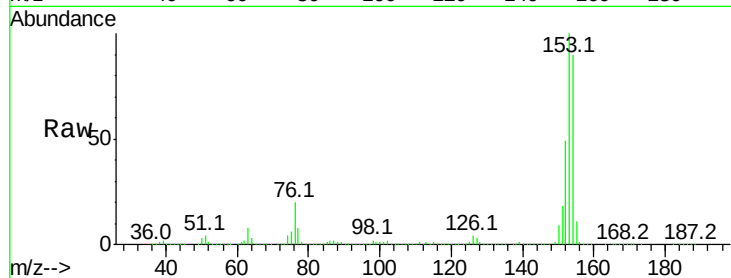
Tot Ion:154 Resp: 972115

Ion Ratio Lower Upper

154 100

153 111.7 90.5 135.7

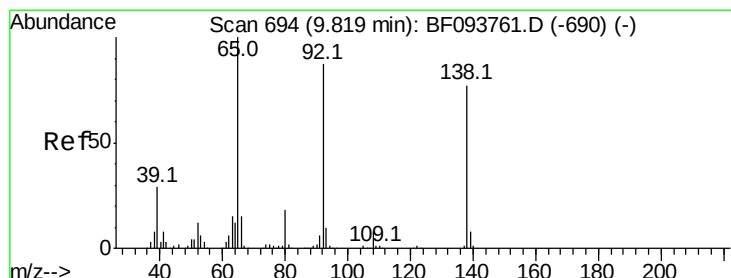
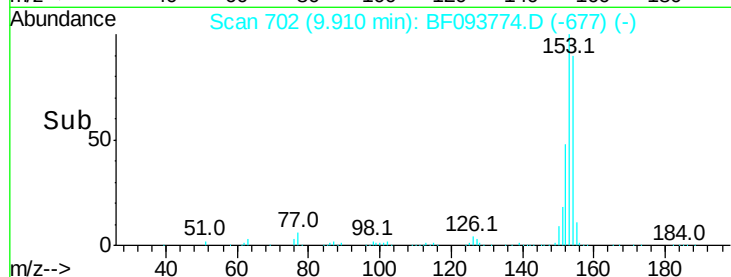
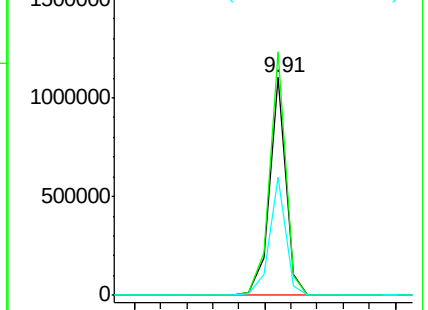
152 54.4 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 28.17 ng

RT: 9.82 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

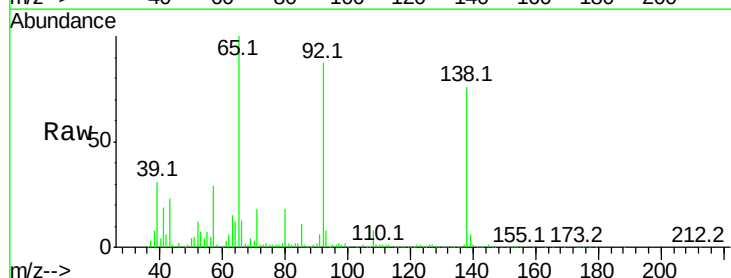
Tgt Ion:138 Resp: 207923

Ion Ratio Lower Upper

138 100

108 11.0 9.1 13.7

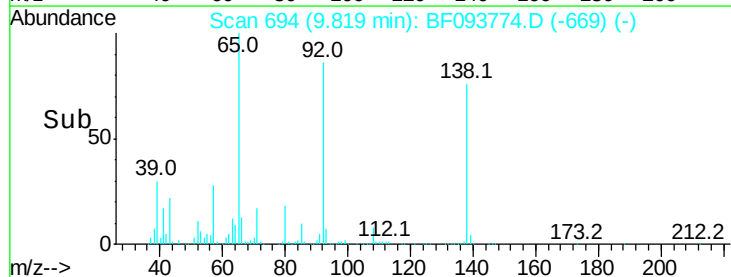
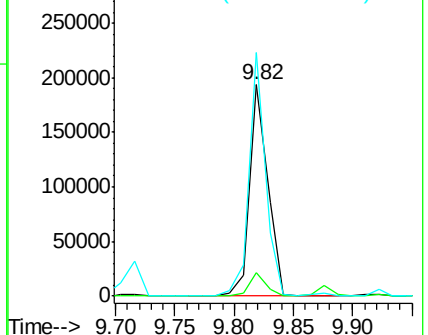
92 115.1 93.8 140.6

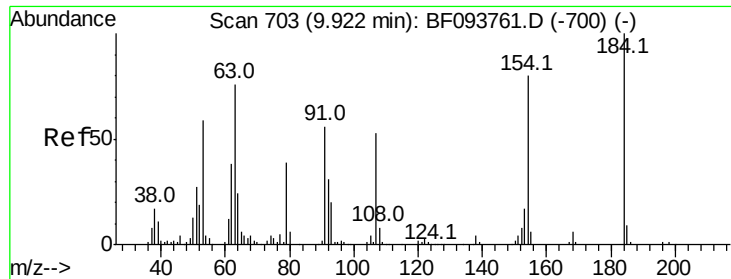


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

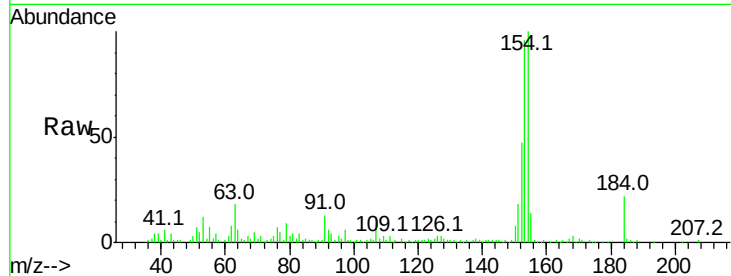




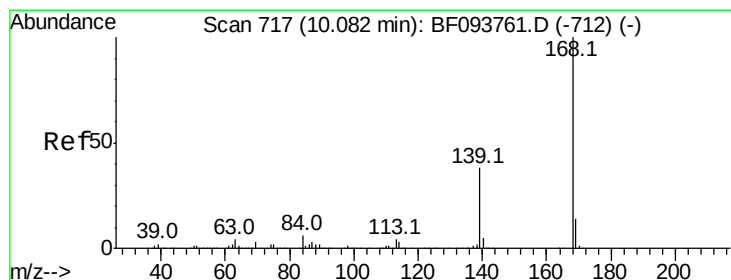
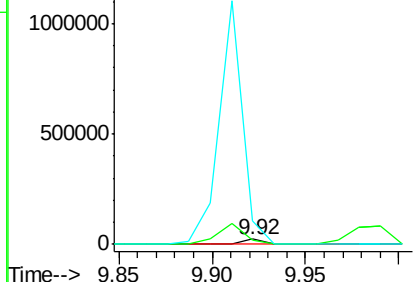
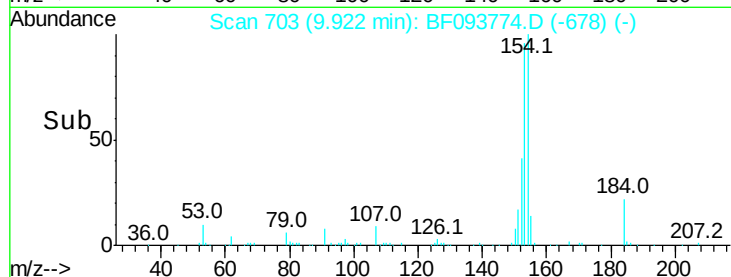
#53
2,4-Dinitrophenol
Concen: 7.73 ng
RT: 9.92 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion:184 Resp: 18660
Ion Ratio Lower Upper
184 100
63 81.2 62.7 94.1
154 462.2 81.1 121.7#

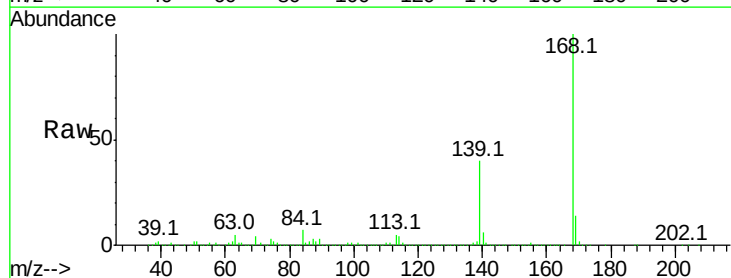


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

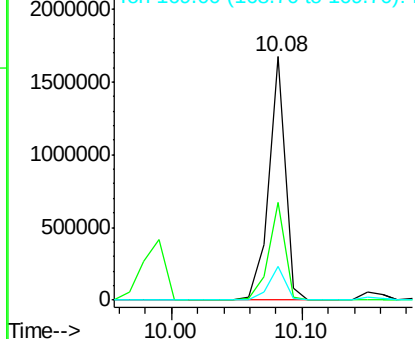
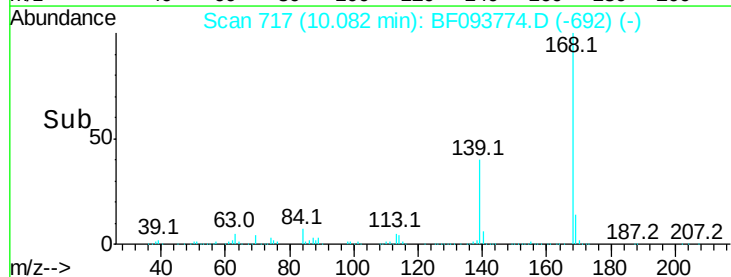


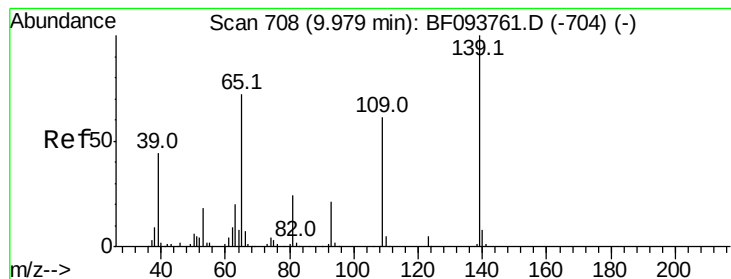
#54
Dibenzofuran
Concen: 46.24 ng
RT: 10.08 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion:168 Resp: 1482998
Ion Ratio Lower Upper
168 100
139 40.0 30.6 45.8
169 14.0 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 92.45 ng

RT: 9.99 min Scan# 709

Delta R.T. 0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

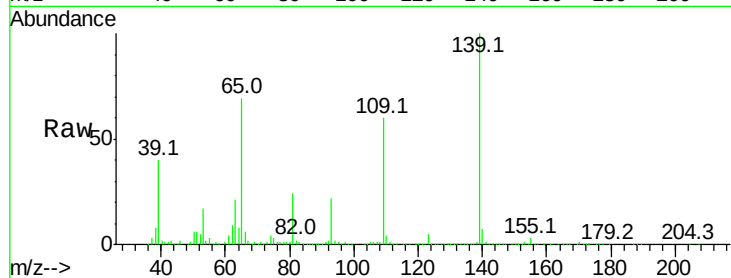
Tot Ion:139 Resp: 512500

Ion Ratio Lower Upper

139 100

109 60.1 34.1 74.1

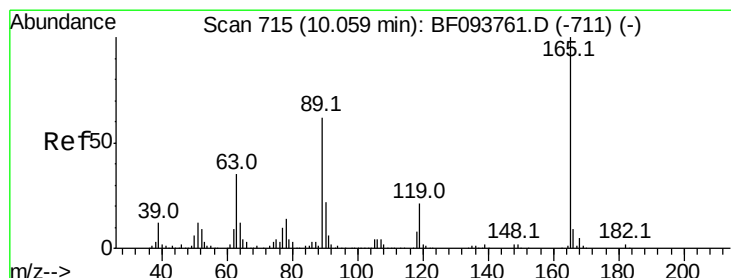
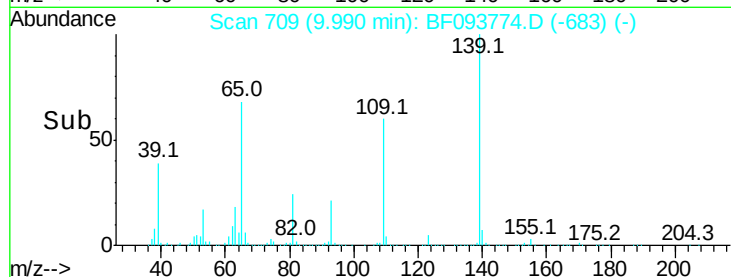
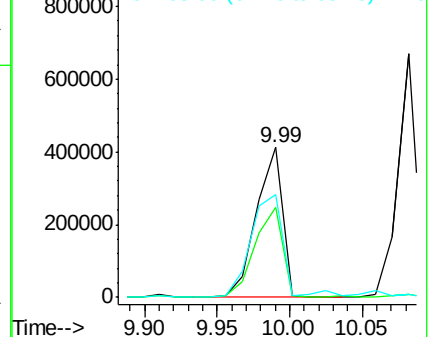
65 68.7 31.4 71.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 46.20 ng

RT: 10.06 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:165 Resp: 360604

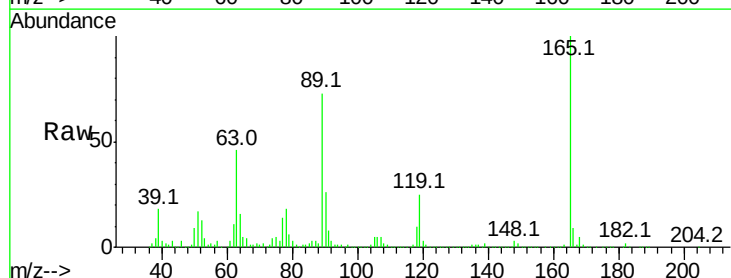
Ion Ratio Lower Upper

165 100

63 45.6 25.4 38.0#

89 72.9 46.4 69.6#

182 2.3 1.8 2.6

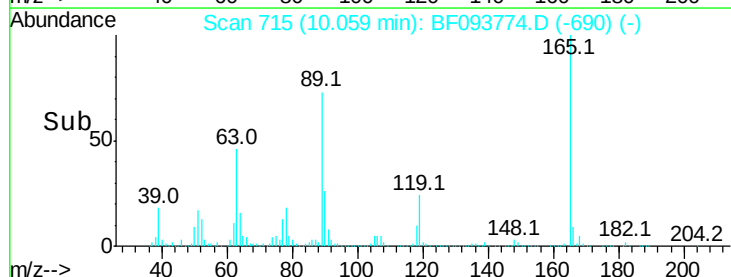
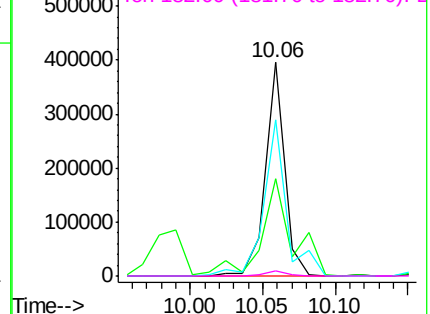


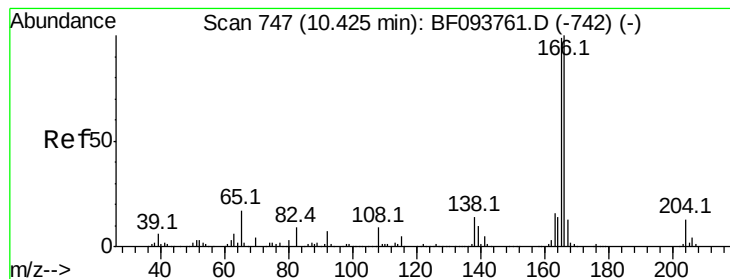
Abundance Ion 165.00 (164.70 to 165.70): E

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: 44.24 ng

RT: 10.42 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

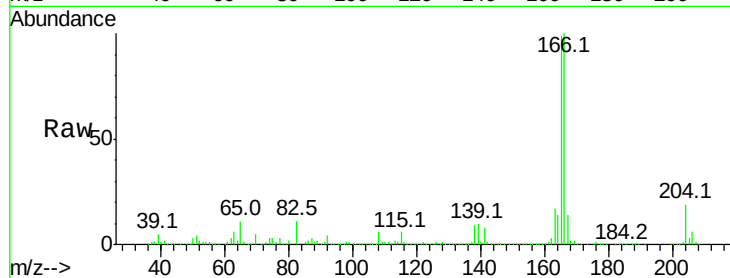
Tot Ion:166 Resp: 1086761

Ion Ratio Lower Upper

166 100

165 99.3 78.8 118.2

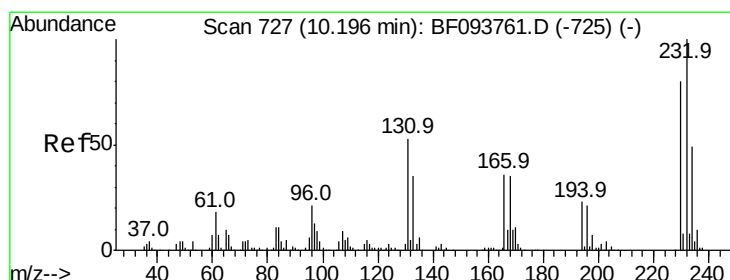
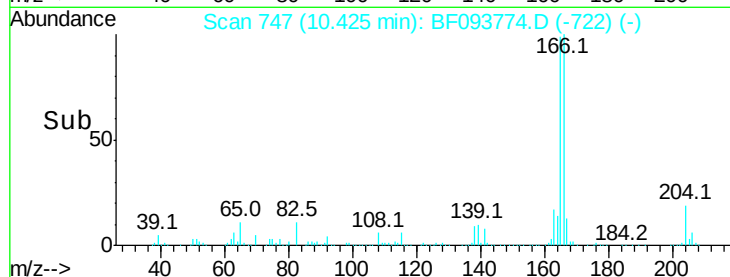
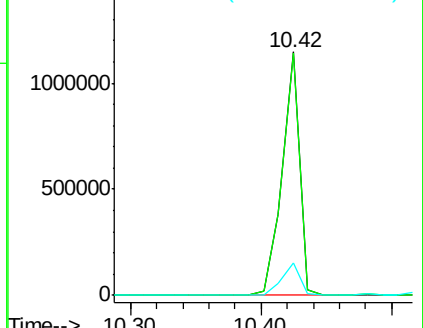
167 13.6 10.6 16.0



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: 44.79 ng

RT: 10.20 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:232 Resp: 241667

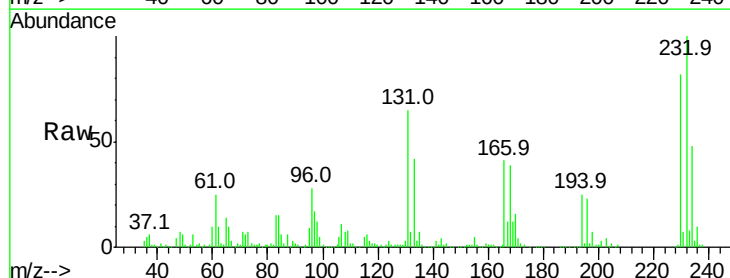
Ion Ratio Lower Upper

232 100

131 57.0 44.8 67.2

130 2.6 2.3 3.5

166 36.5 29.0 43.4

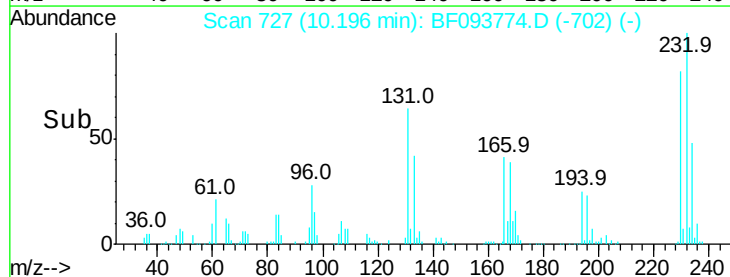
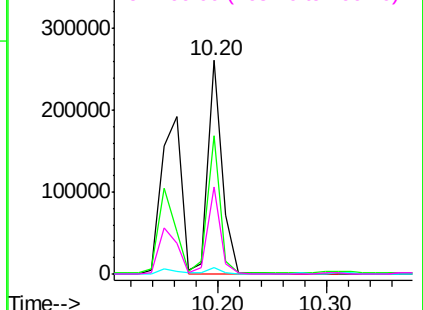


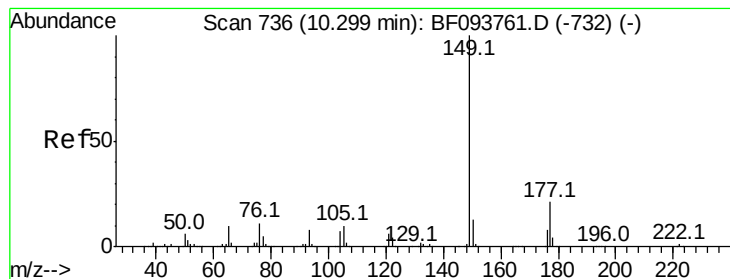
Abundance Ion 232.00 (231.70 to 232.70): E

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: 49.73 ng

RT: 10.31 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

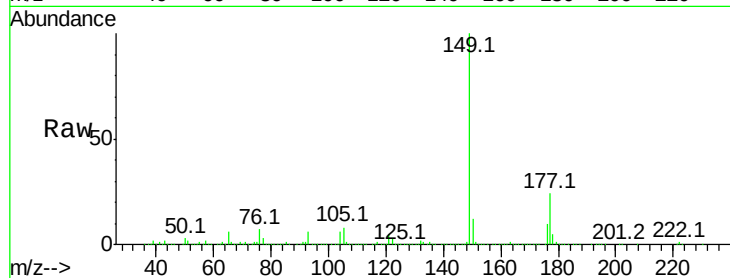
Tot Ion:149 Resp: 1357217

Ion Ratio Lower Upper

149 100

177 23.9 16.7 25.1

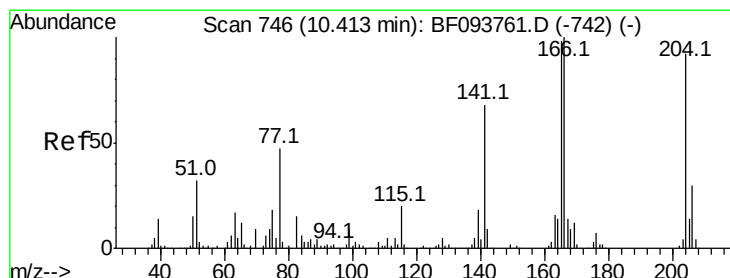
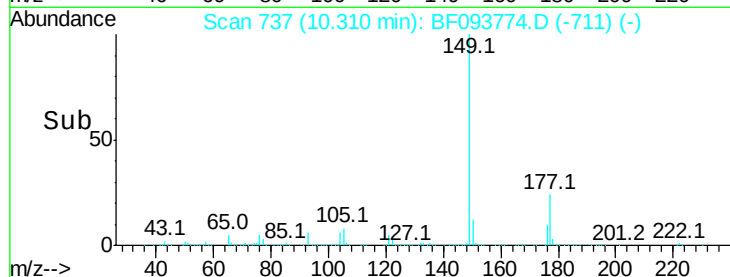
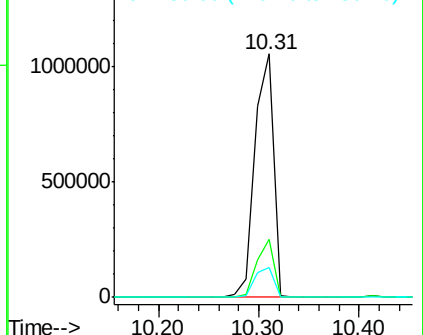
150 12.3 10.2 15.2



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: 43.59 ng

RT: 10.41 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

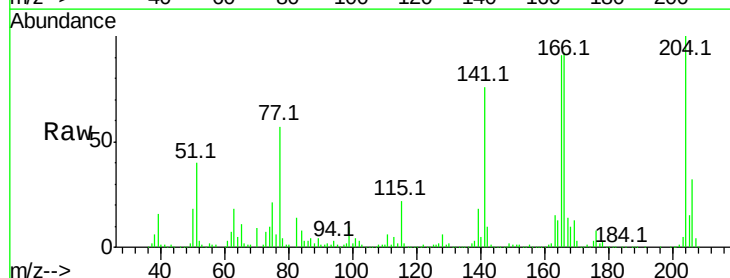
Tgt Ion:204 Resp: 451345

Ion Ratio Lower Upper

204 100

206 32.4 26.2 39.2

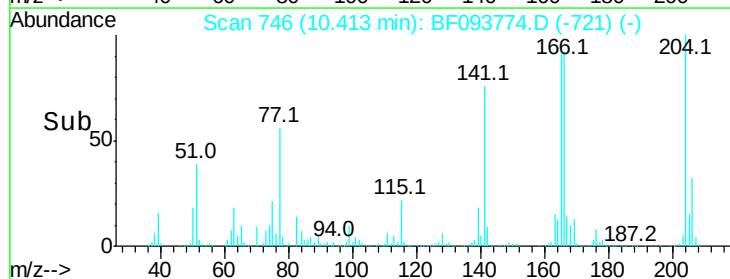
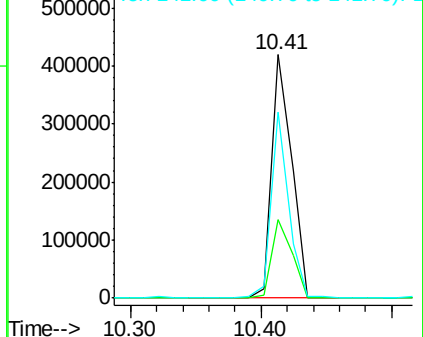
141 76.3 60.8 91.2

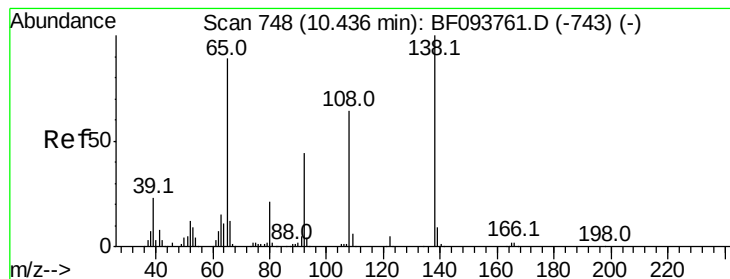


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 43.92 ng

RT: 10.44 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

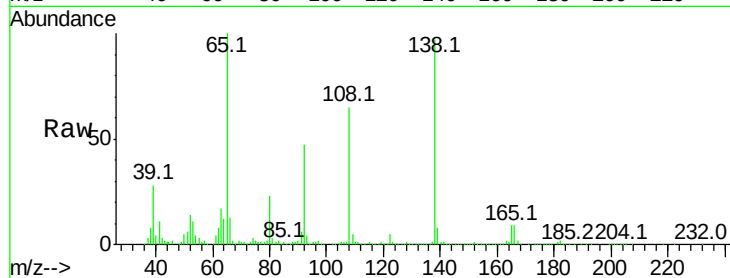
Tot Ion:138 Resp: 289939

Ion Ratio Lower Upper

138 100

92 47.9 21.8 61.8

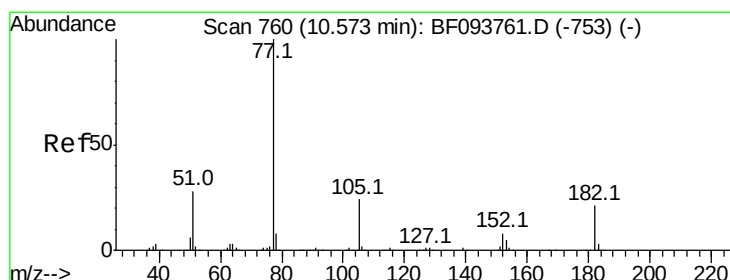
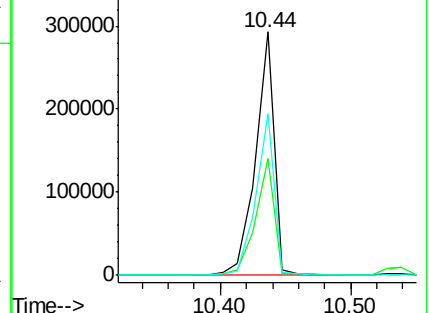
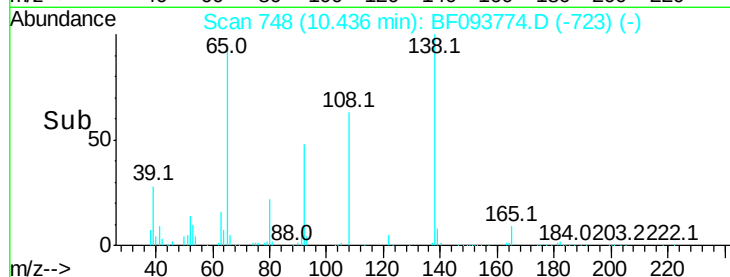
108 66.6 42.3 82.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 47.22 ng

RT: 10.57 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion: 77 Resp: 1274584

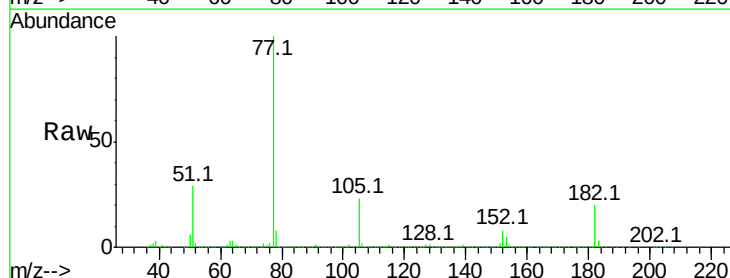
Ion Ratio Lower Upper

77 100

182 19.9 0.1 40.1

105 23.3 3.6 43.6

51 29.5 9.4 49.4

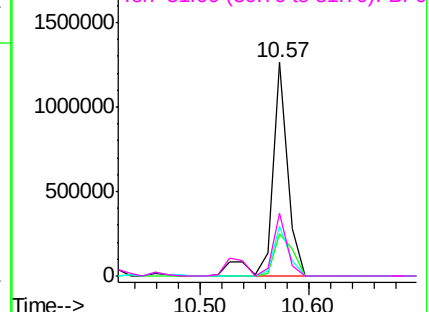
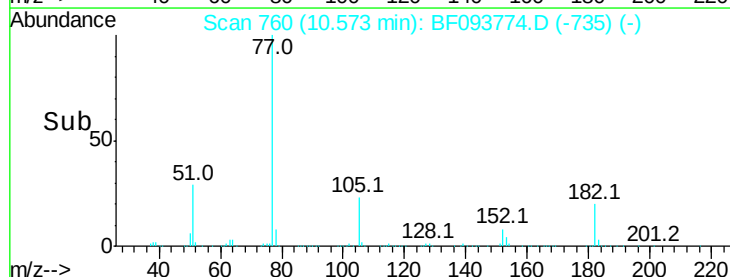


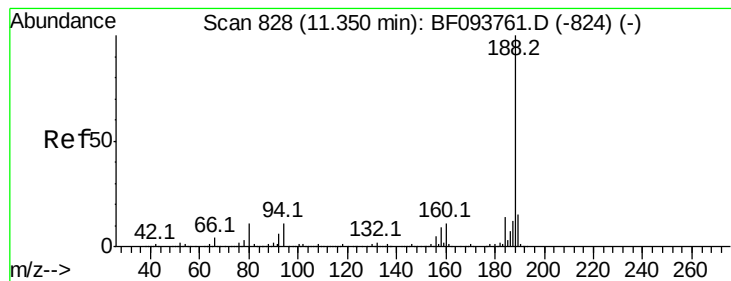
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

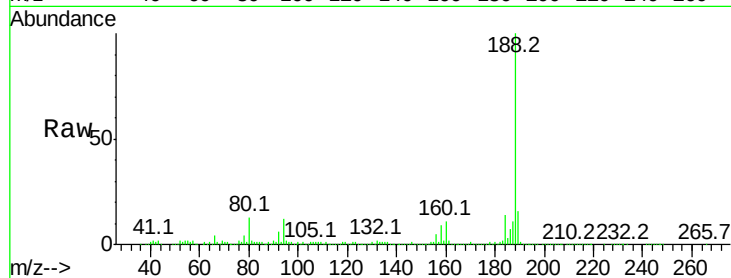
Tot Ion:188 Resp: 616591

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

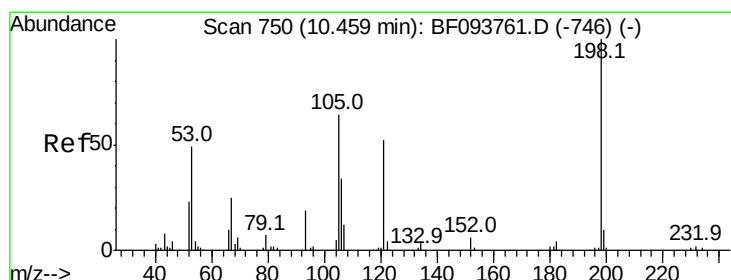
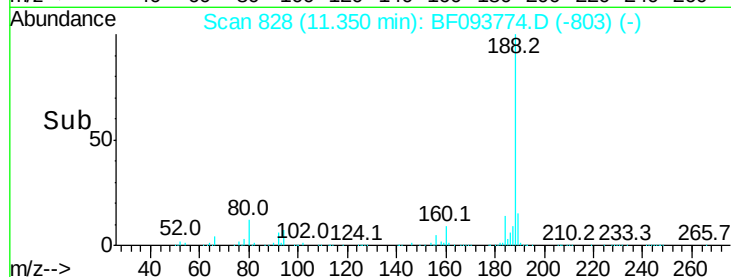
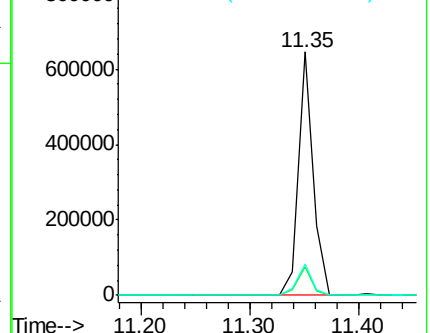
80 12.7 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.95 ng

RT: 10.46 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

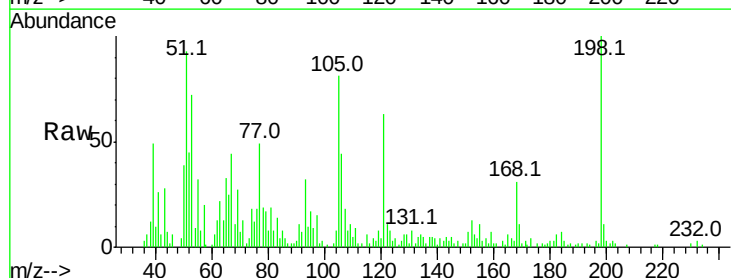
Tgt Ion:198 Resp: 39117

Ion Ratio Lower Upper

198 100

51 93.5 53.2 93.2#

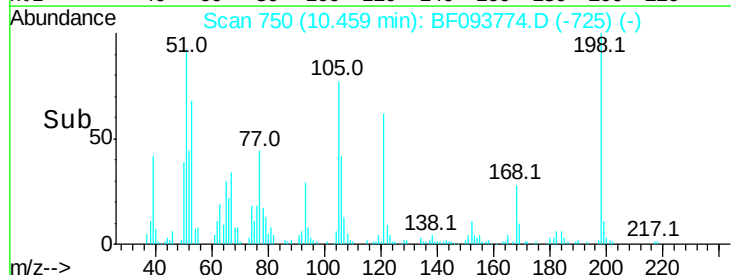
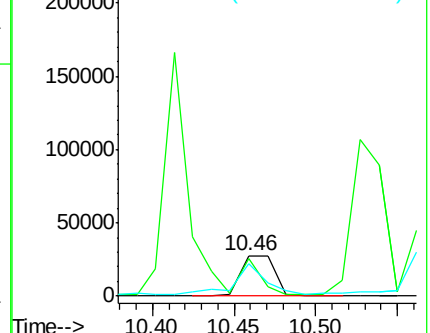
105 81.3 45.8 85.8

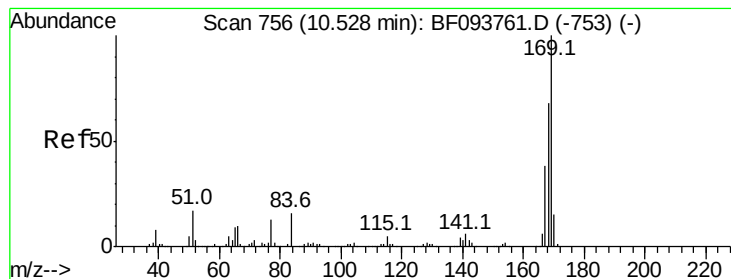


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 54.75 ng

RT: 10.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

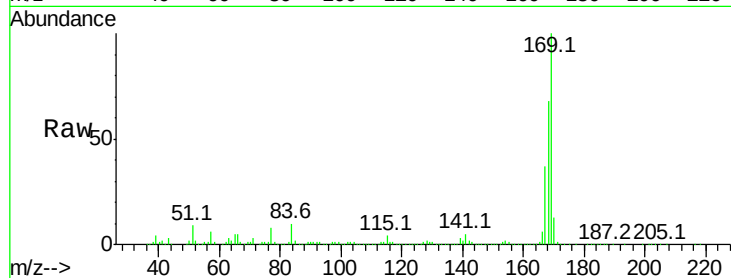
Tot Ion:169 Resp: 1125378

Ion Ratio Lower Upper

169 100

168 67.8 53.2 79.8

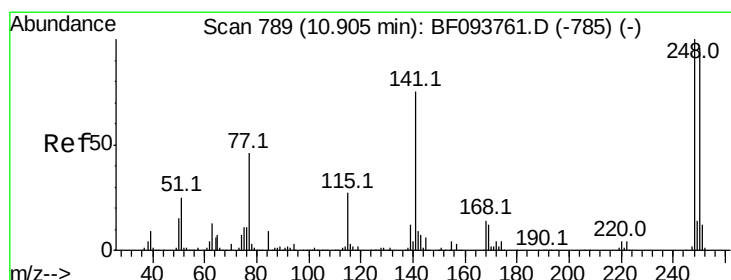
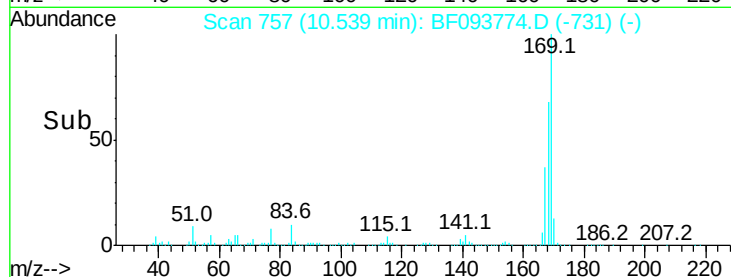
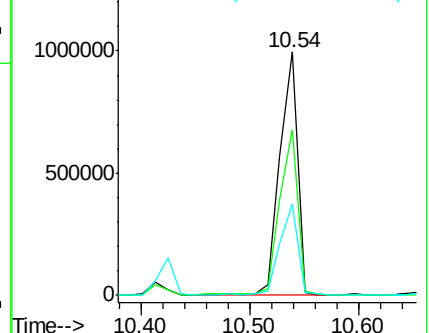
167 37.3 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 47.48 ng

RT: 10.90 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

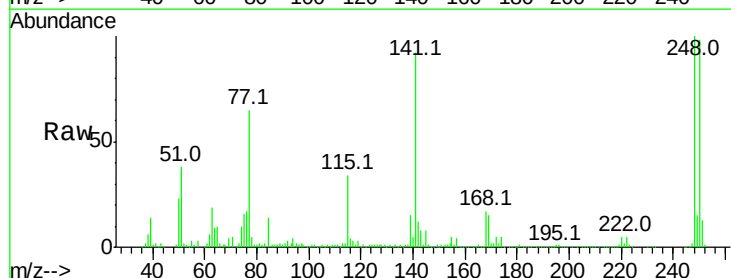
Tgt Ion:248 Resp: 281798

Ion Ratio Lower Upper

248 100

250 97.9 76.8 115.2

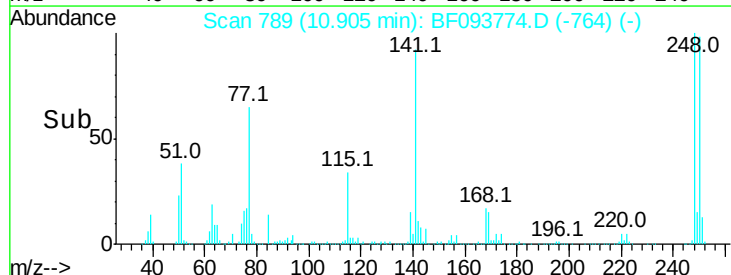
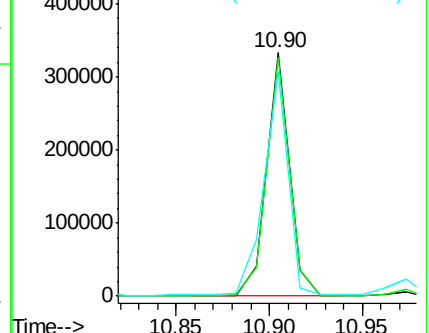
141 92.2 68.6 103.0

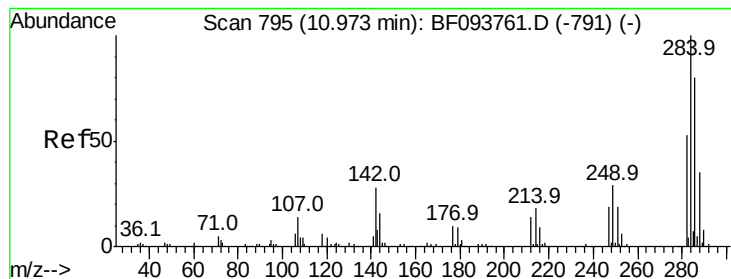


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 47.28 ng

RT: 10.97 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

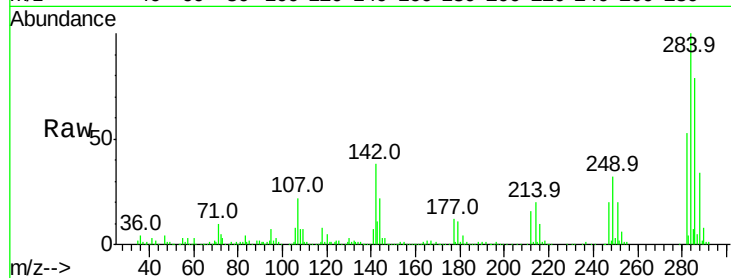
Tot Ion:284 Resp: 289395

Ion Ratio Lower Upper

284 100

142 37.9 22.8 34.2#

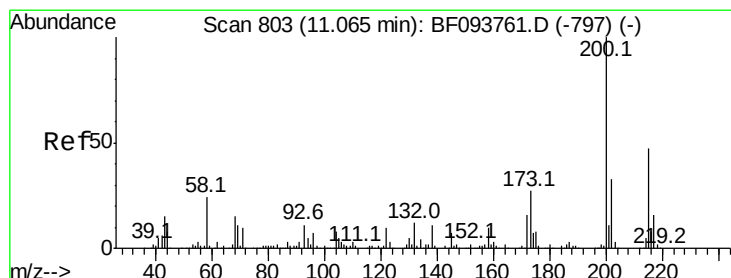
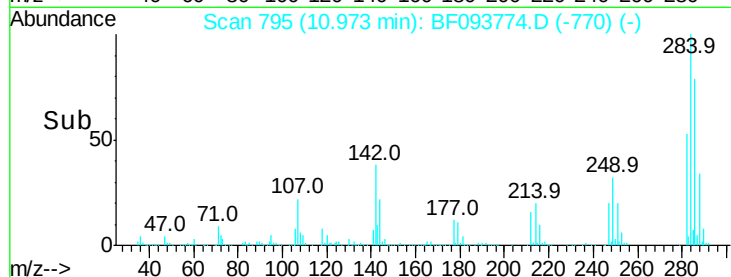
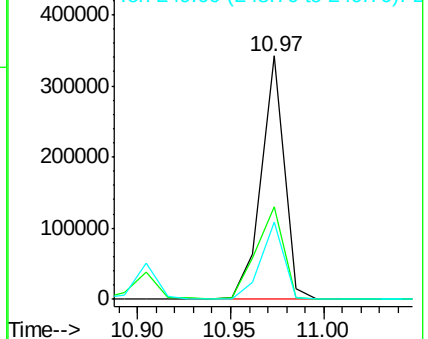
249 31.6 24.0 36.0



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: 53.92 ng

RT: 11.06 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

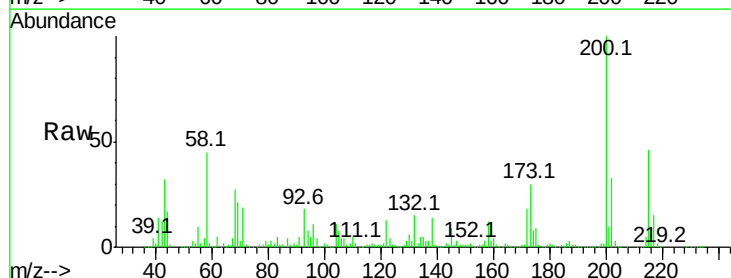
Tgt Ion:200 Resp: 340210

Ion Ratio Lower Upper

200 100

173 30.3 6.3 46.3

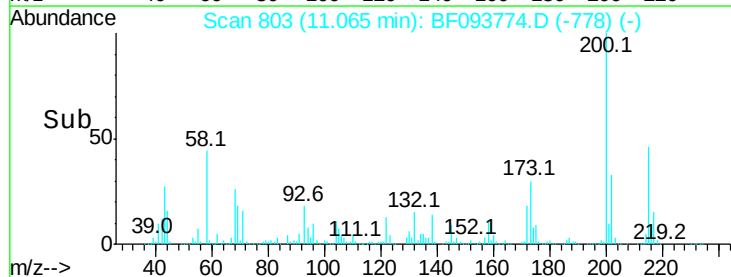
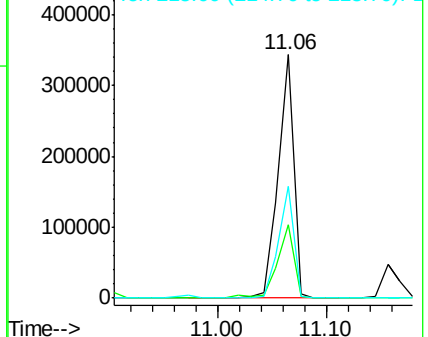
215 45.7 27.2 67.2

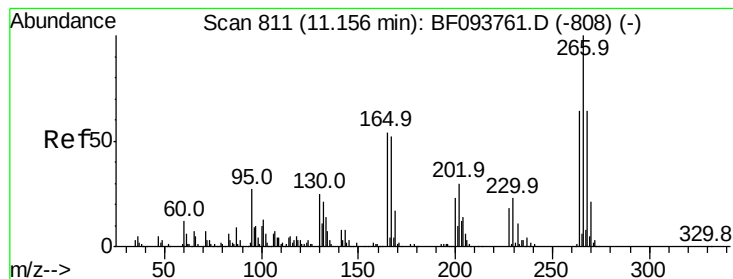


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 72.20 ng

RT: 11.16 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

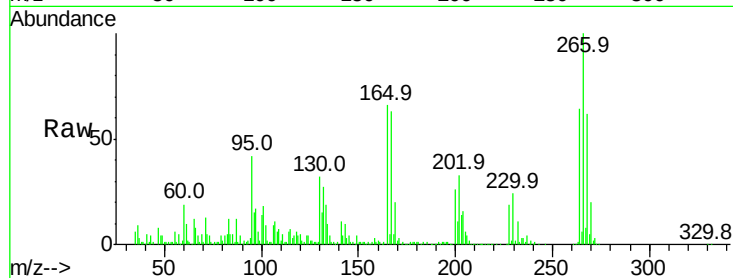
Tot Ion:266 Resp: 258403

Ion Ratio Lower Upper

266 100

268 61.6 51.1 76.7

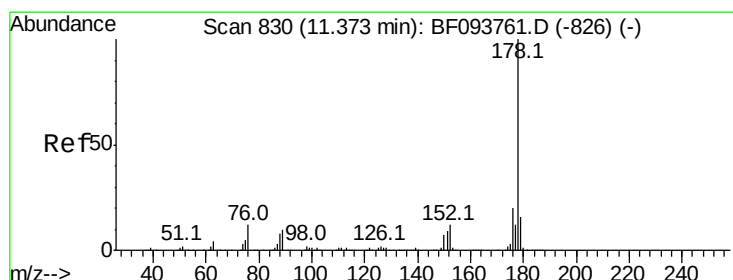
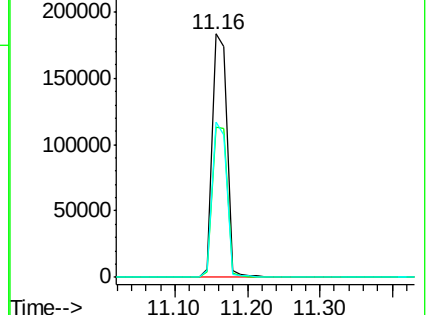
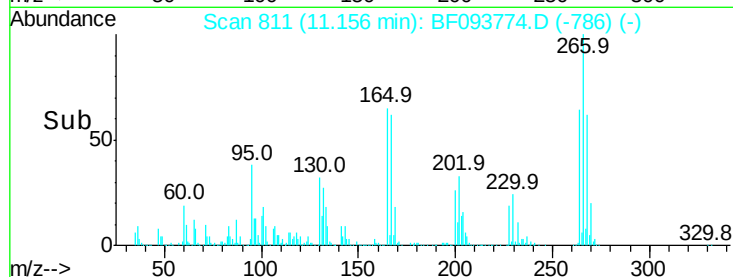
264 63.7 51.7 77.5



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: 45.52 ng

RT: 11.37 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

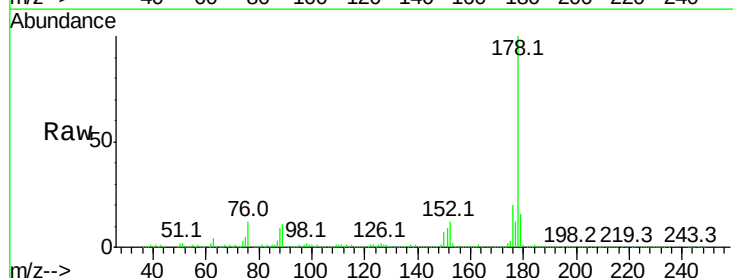
Tgt Ion:178 Resp: 1494680

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

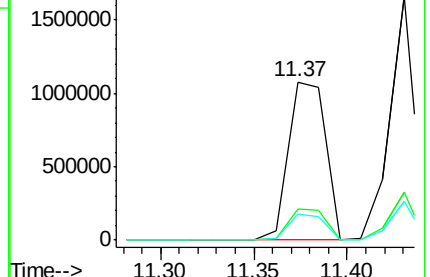
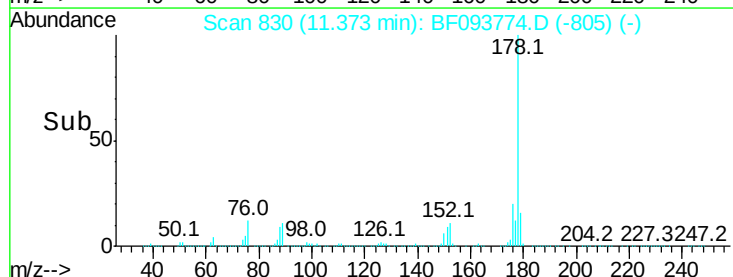
179 16.4 12.6 19.0

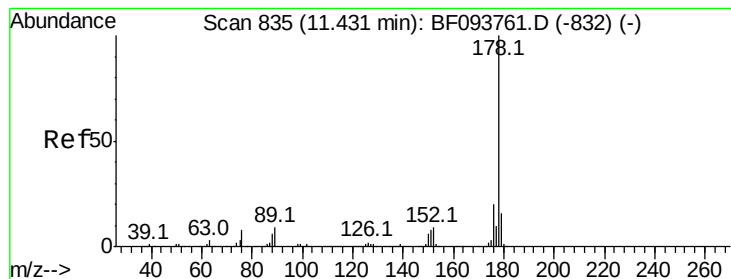


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 44.14 ng

RT: 11.43 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

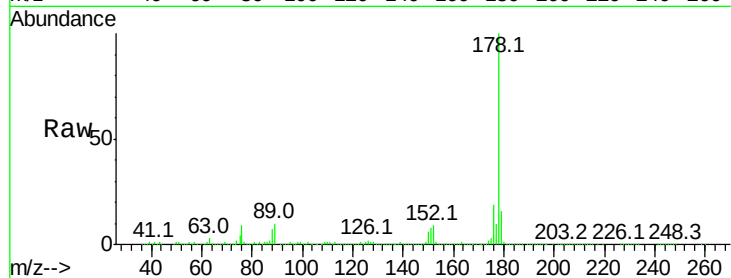
Tot Ion:178 Resp: 1492320

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

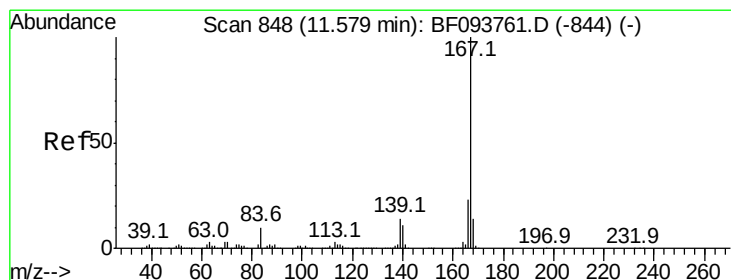
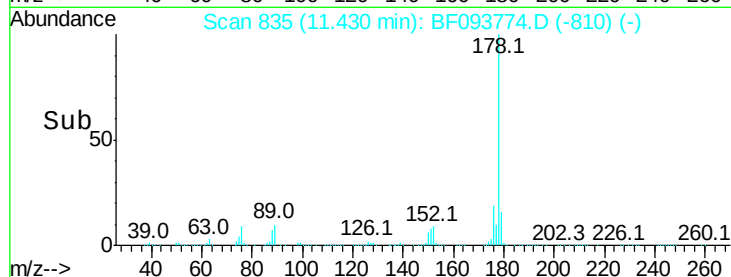
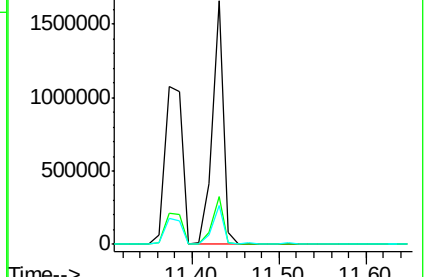
179 16.0 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 39.53 ng

RT: 11.58 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

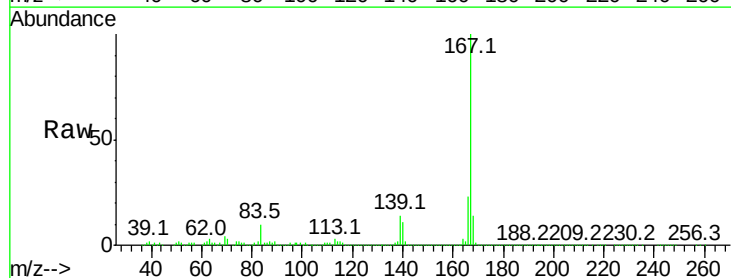
Tgt Ion:167 Resp: 1323213

Ion Ratio Lower Upper

167 100

166 22.6 18.1 27.1

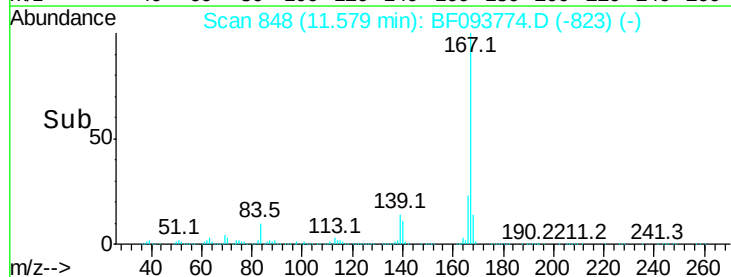
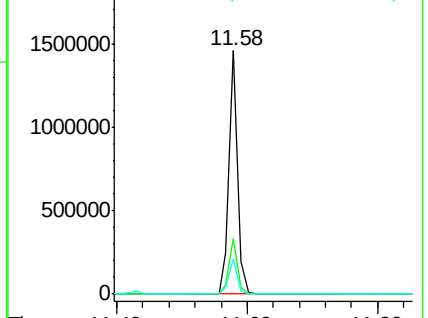
139 14.4 11.7 17.5

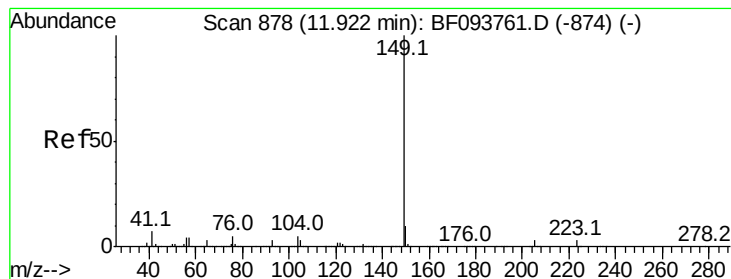


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 47.59 ng

RT: 11.92 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

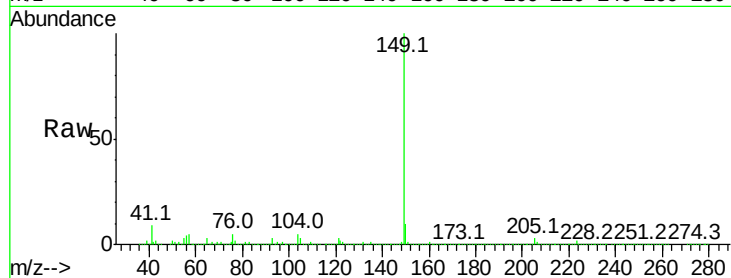
Tot Ion:149 Resp: 1714532

Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

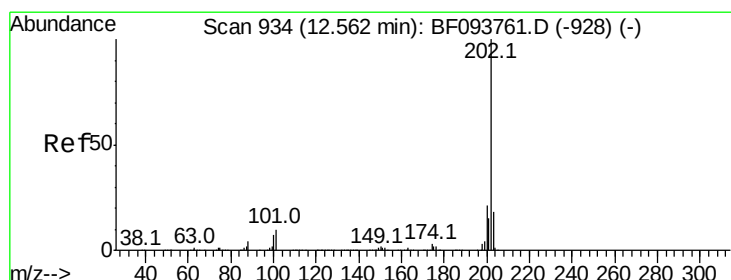
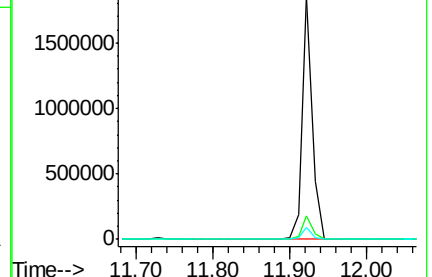
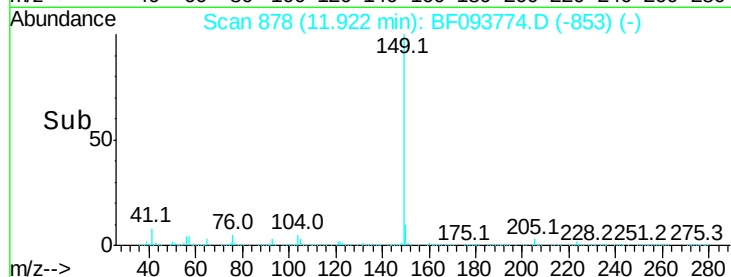
104 5.0 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 39.08 ng

RT: 12.56 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

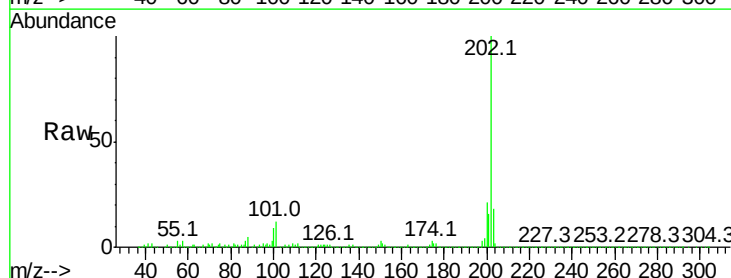
Tgt Ion:202 Resp: 1318935

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.2

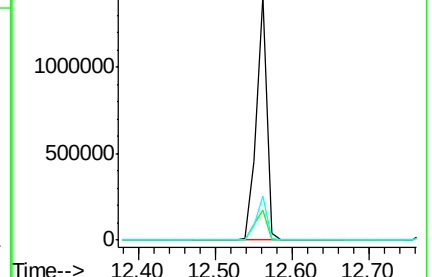
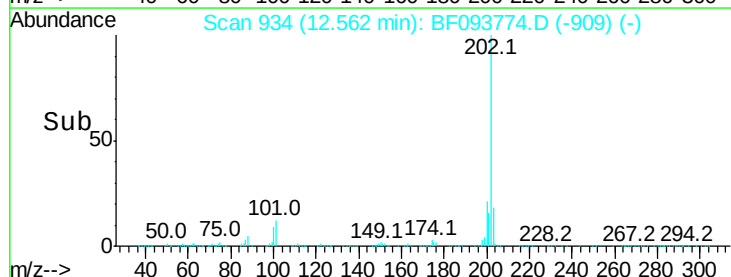
203 17.9 0.0 38.1

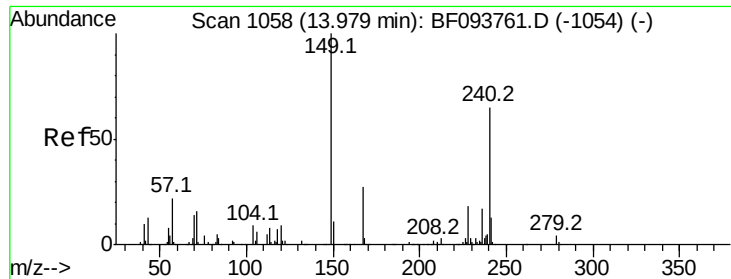


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

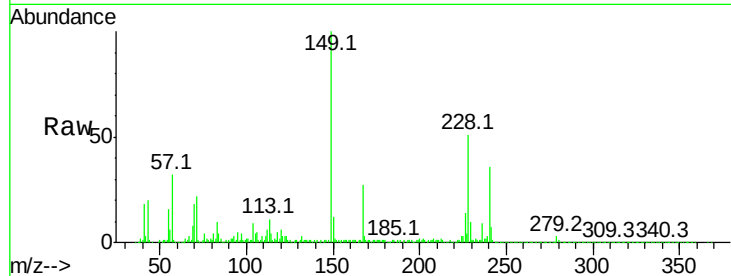
Tot Ion:240 Resp: 296277

Ion Ratio Lower Upper

240 100

120 17.6 5.8 8.8#

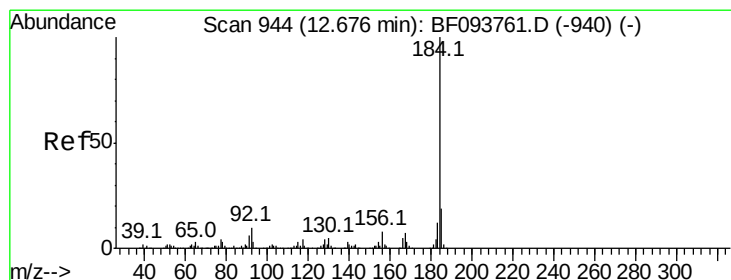
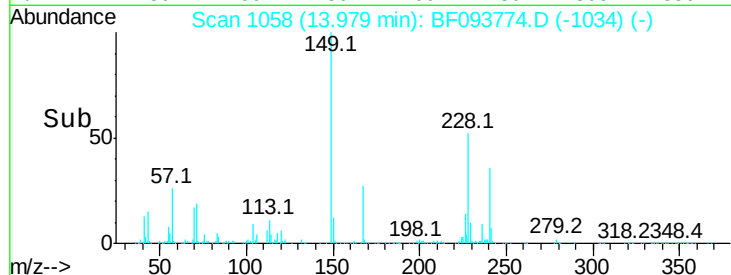
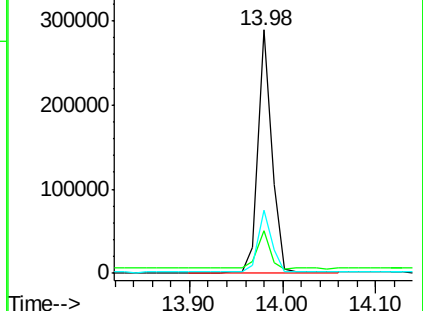
236 26.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 16.11 ng

RT: 12.68 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

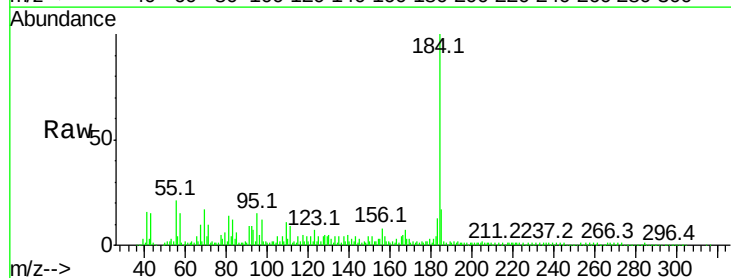
Tgt Ion:184 Resp: 209430

Ion Ratio Lower Upper

184 100

185 16.7 15.5 23.3

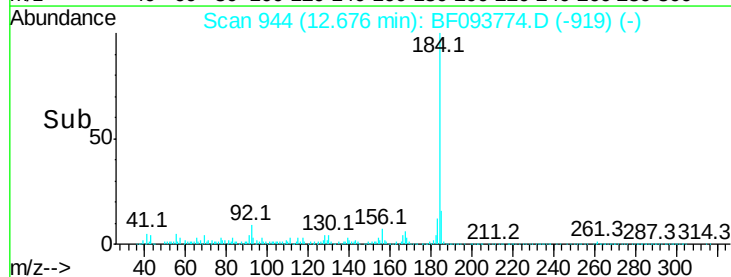
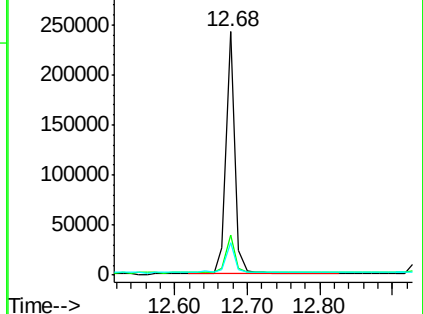
183 13.3 9.8 14.6

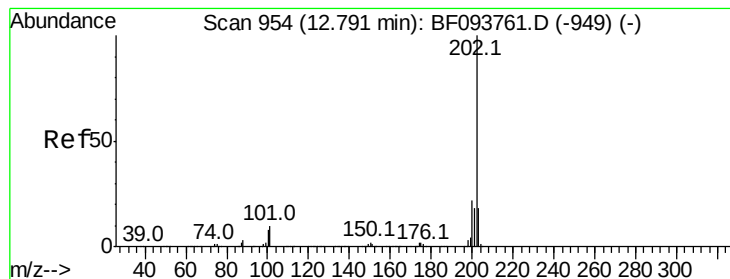


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 53.29 ng

RT: 12.79 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

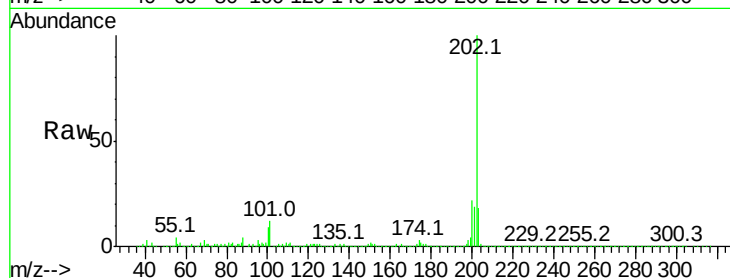
BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:202 Resp: 1313861

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	17.6	14.4	21.6

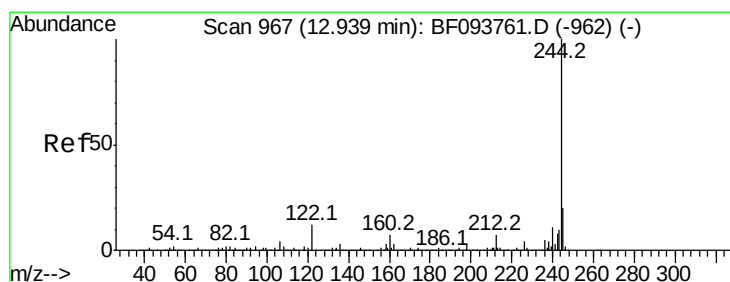
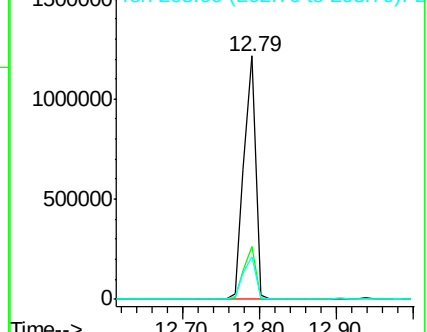
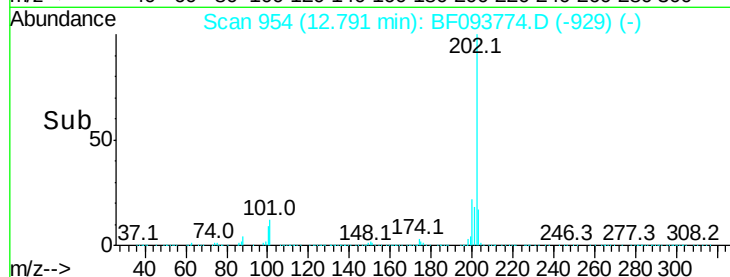


Abundance

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: 90.65 ng

RT: 12.94 min Scan# 967

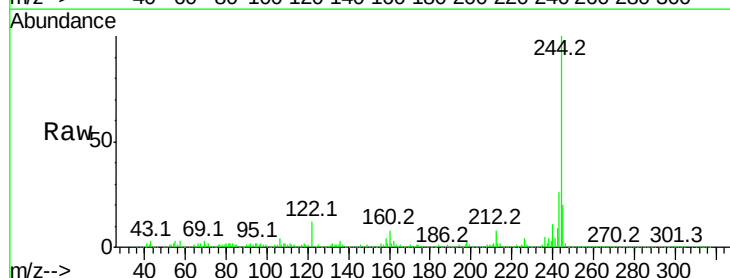
Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:244 Resp: 1317247

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.7	10.3	15.5

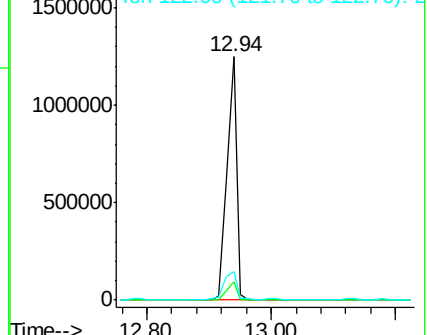
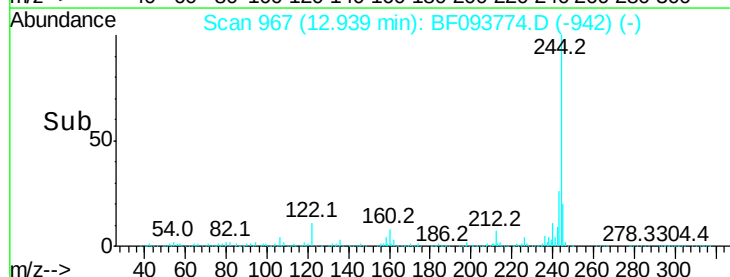


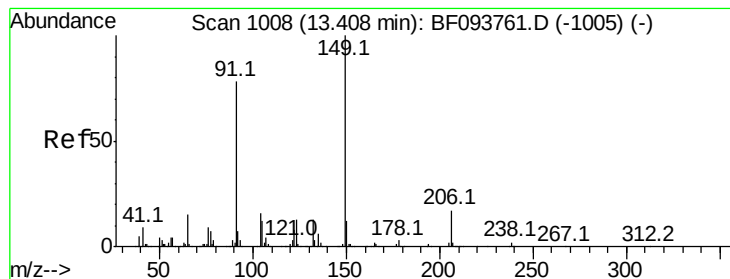
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 55.43 ng

RT: 13.41 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

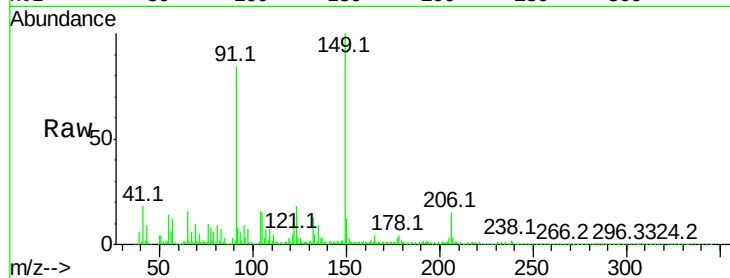
Tot Ion:149 Resp: 610861

Ion Ratio Lower Upper

149 100

91 83.7 45.0 67.4#

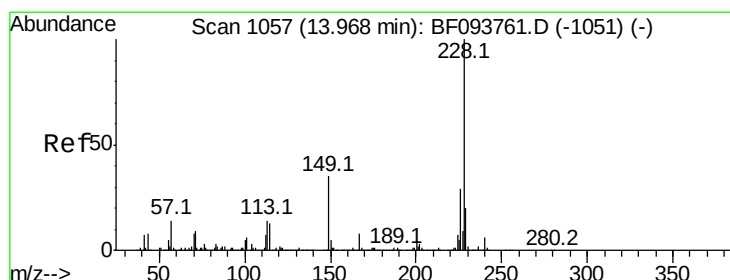
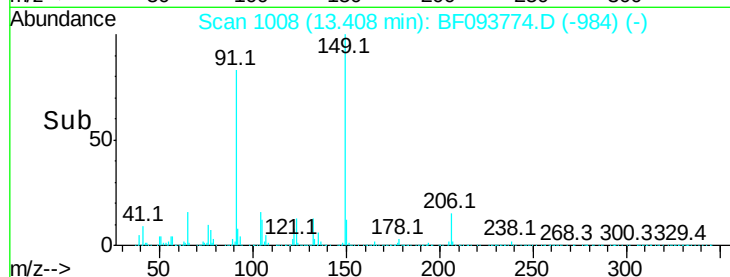
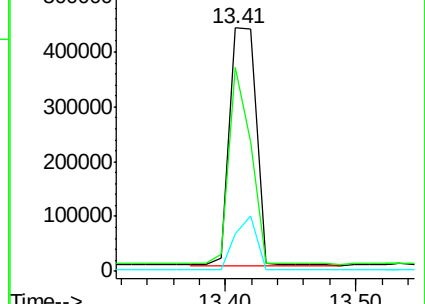
206 15.4 17.0 25.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 47.13 ng

RT: 13.97 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

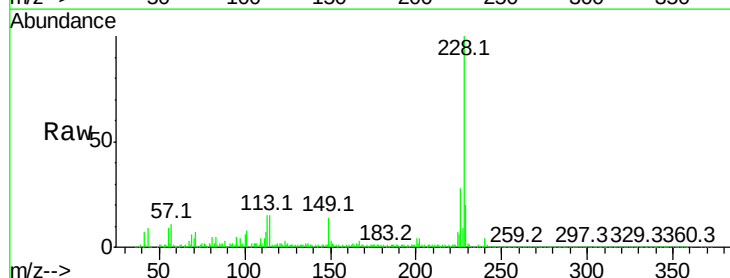
Tgt Ion:228 Resp: 874563

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

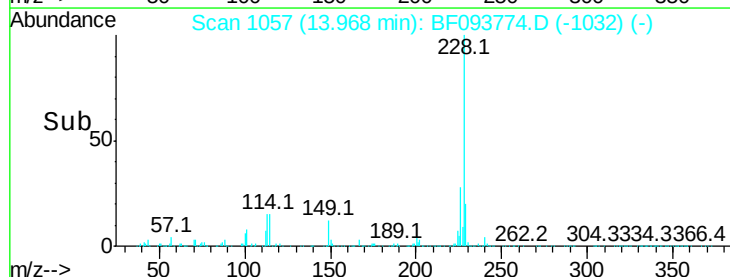
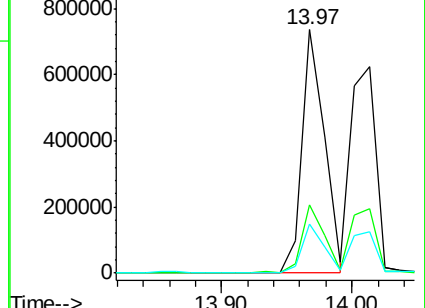
229 20.0 16.3 24.5

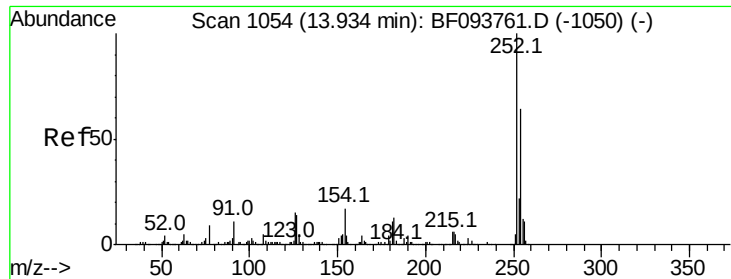


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

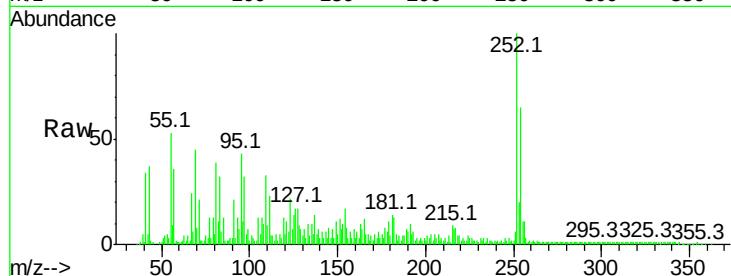




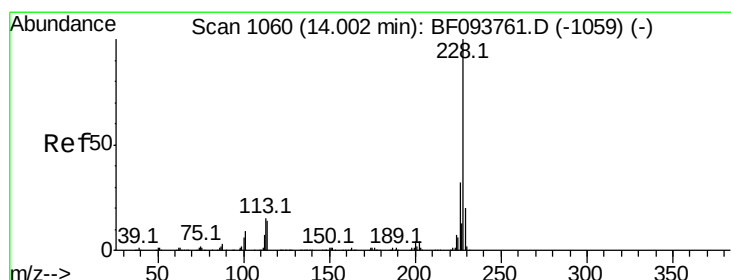
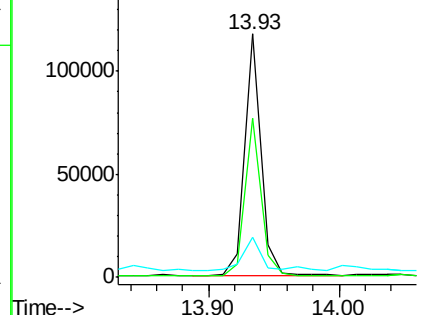
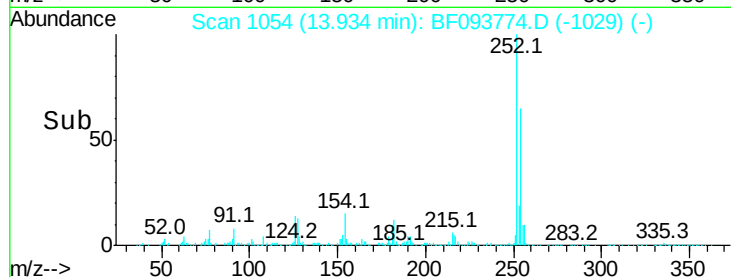
#81
 3,3'-Dichlorobenzidine
 Concen: 14.21 ng
 RT: 13.93 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.5	77.3
126	16.6	15.8	23.8

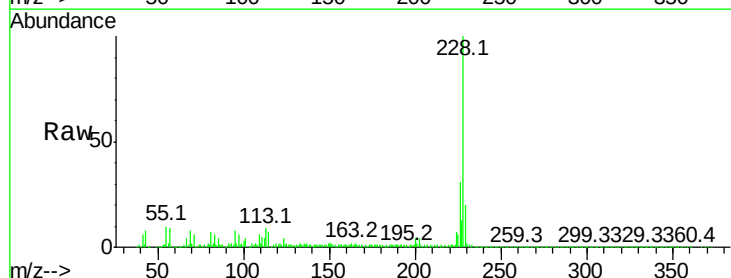


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

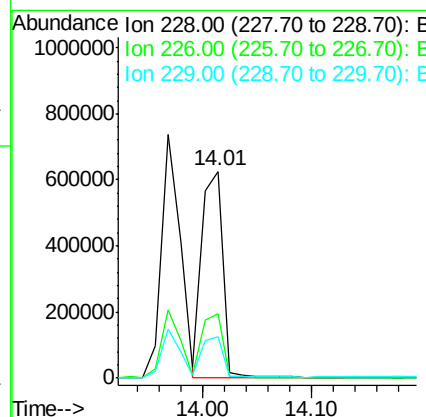
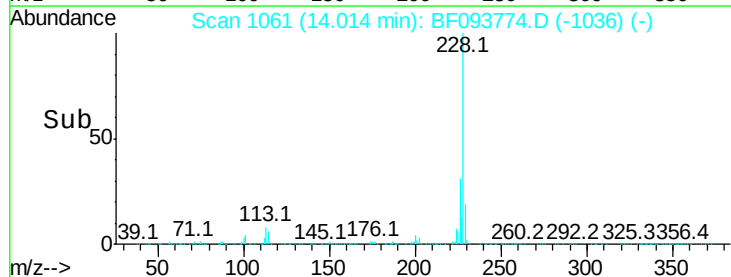


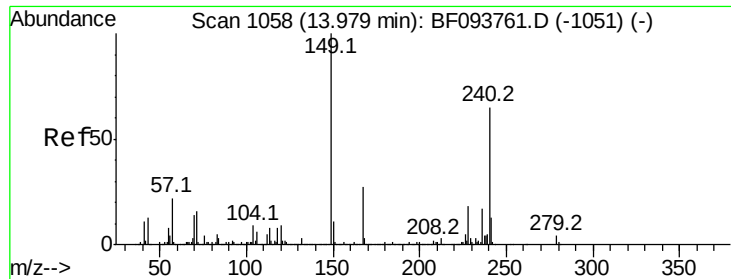
#82
 Chrysene
 Concen: 44.97 ng
 RT: 14.01 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	19.9	15.8	23.6



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 53.77 ng

RT: 13.98 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

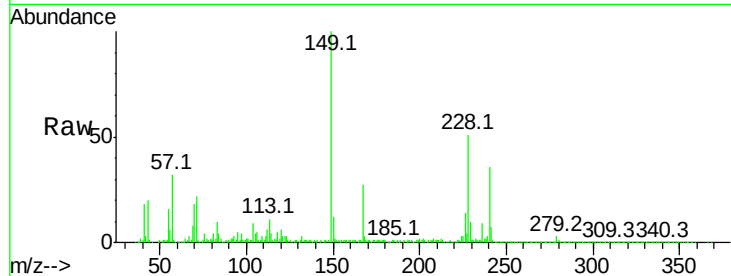
Tot Ion:149 Resp: 713712

Ion Ratio Lower Upper

149 100

167 27.0 21.0 31.4

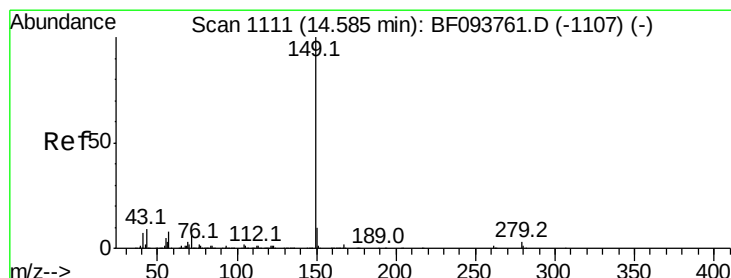
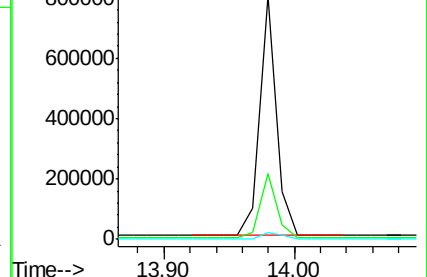
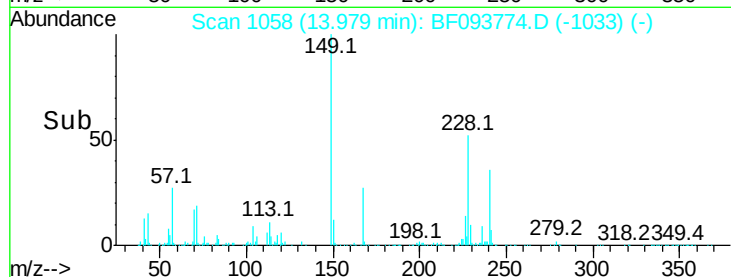
279 2.6 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 54.33 ng

RT: 14.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

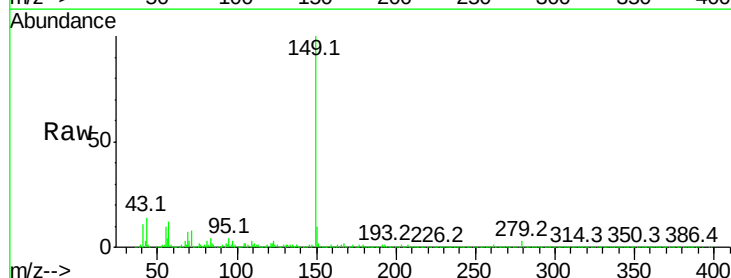
Tgt Ion:149 Resp: 1315695

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

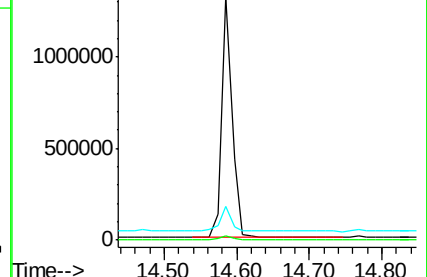
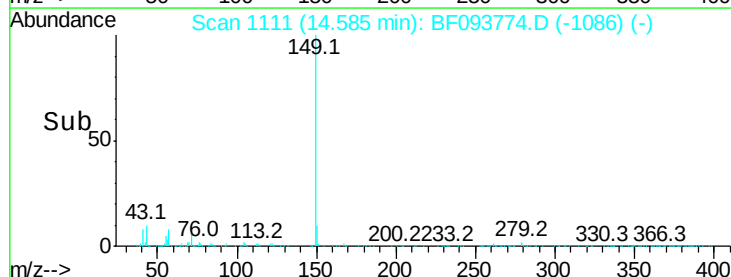
43 10.8 8.5 12.7

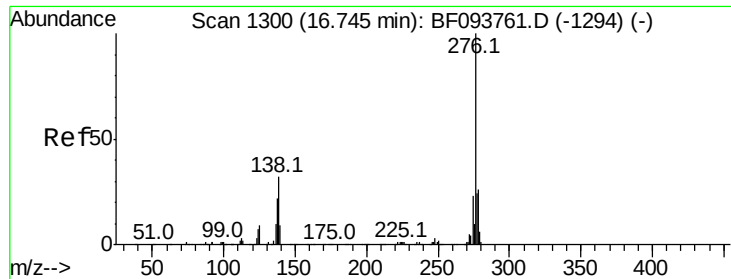


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

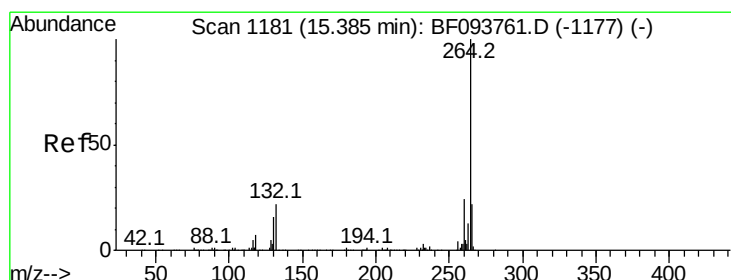
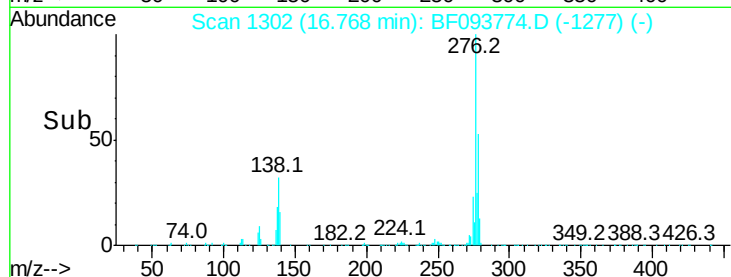
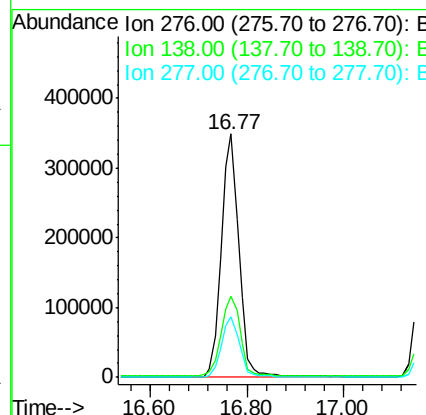
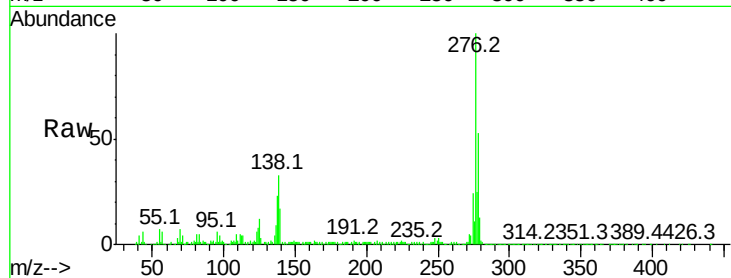




#85
Indeno(1,2,3-cd)pyrene
Concen: 58.59 ng
RT: 16.77 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

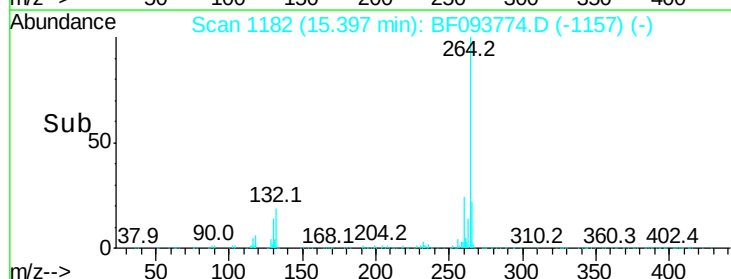
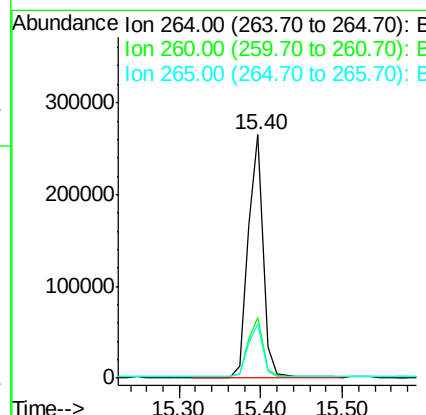
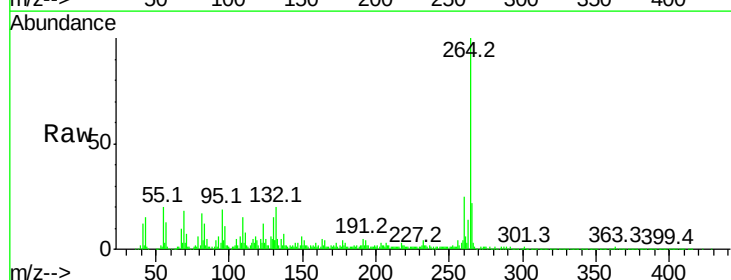
Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

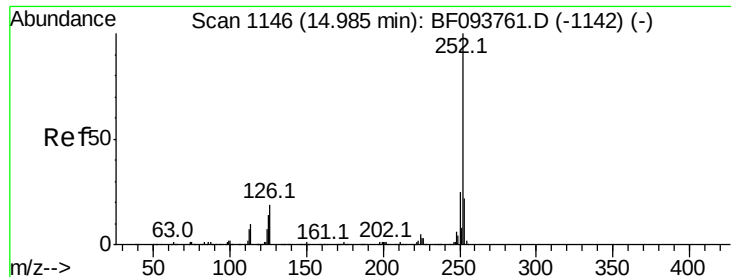
Tot Ion	Ratio	Lower	Upper
276	100		
138	35.1	27.8	41.6
277	25.2	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.1	17.2	25.8

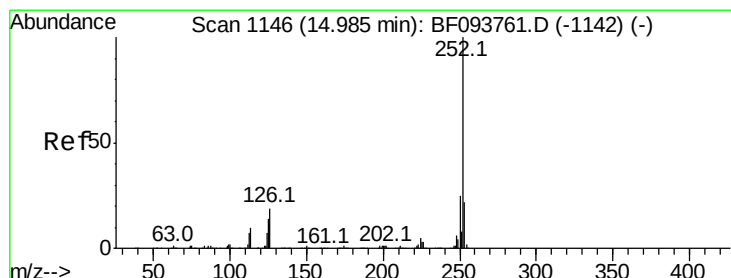
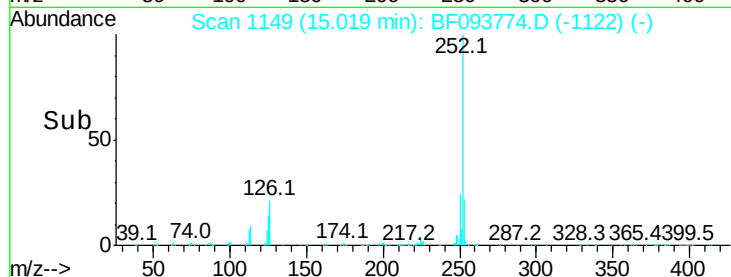
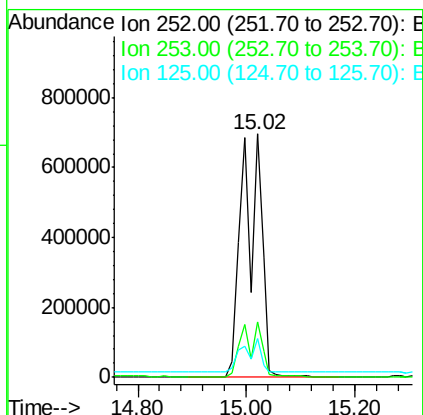
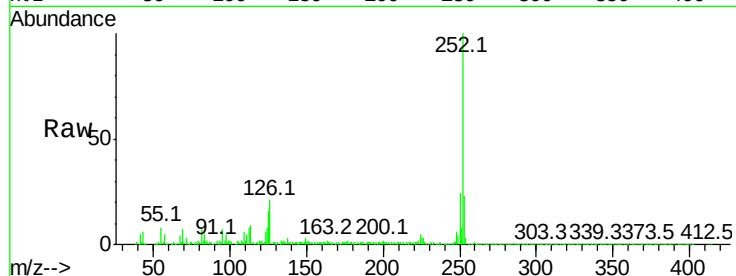




#87
Benzo(b)fluoranthene
Concen: 74.25 ng
RT: 15.02 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

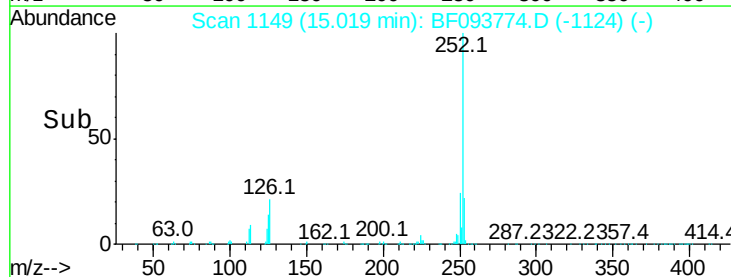
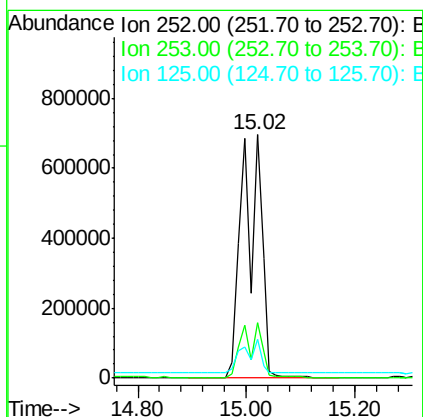
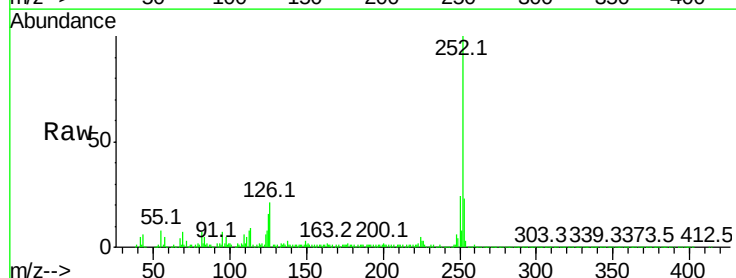
Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

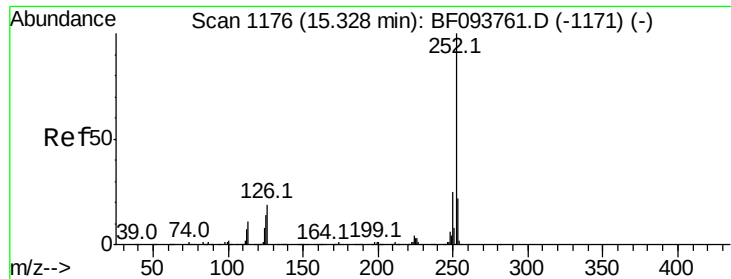
Tot Ion:252 Resp: 1675318
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 16.2 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 100.55 ng
RT: 15.02 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion:252 Resp: 1675318
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 16.2 13.1 19.7

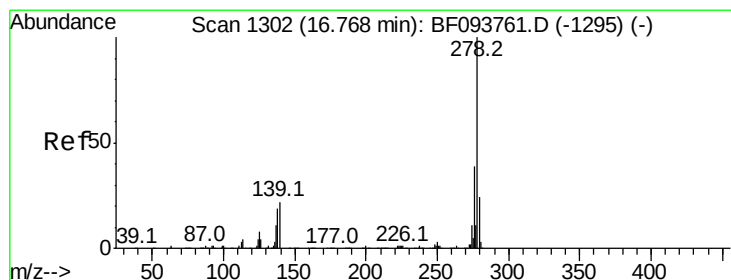
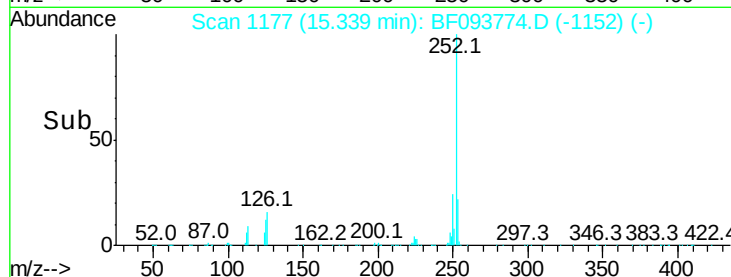
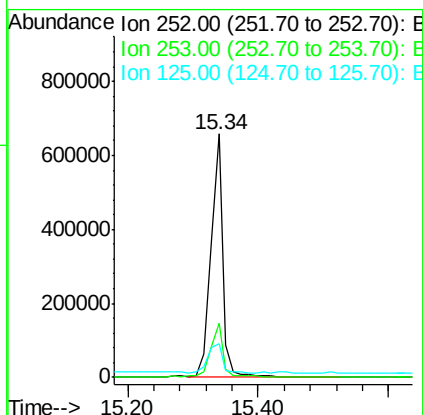
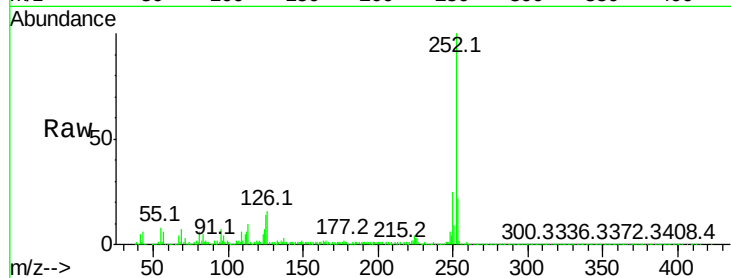




#89
Benzo(a)pyrene
Concen: 45.64 ng
RT: 15.34 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

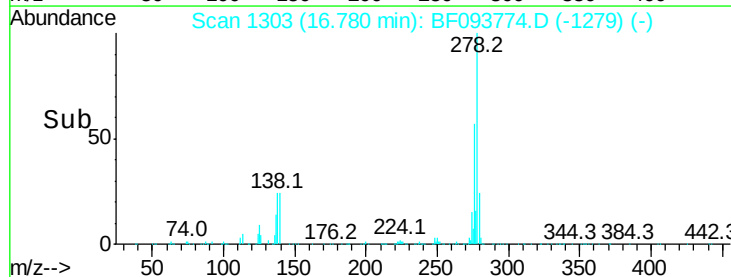
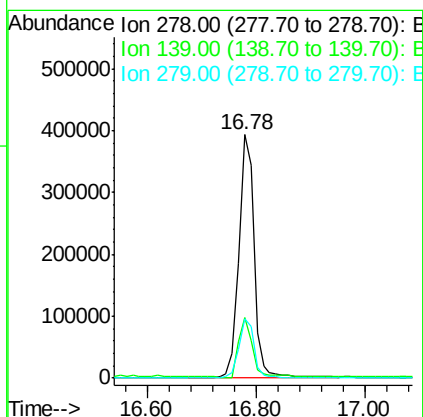
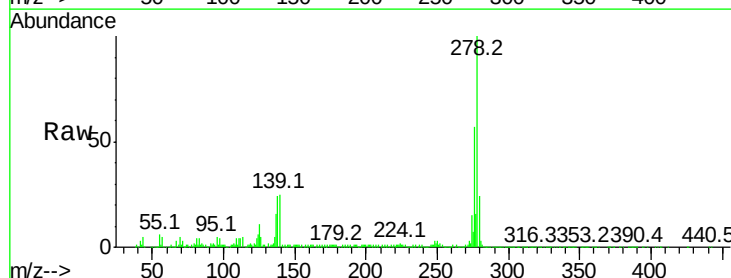
Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

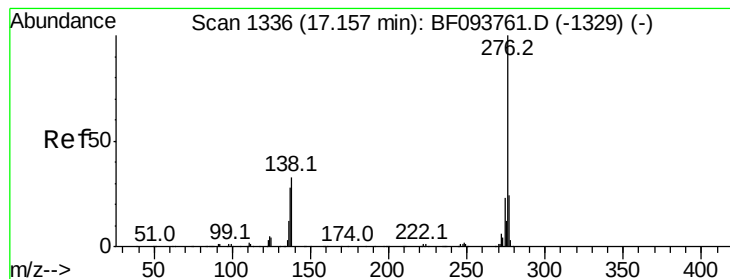
Tot Ion:252 Resp: 835018
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 14.0 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 49.73 ng
RT: 16.78 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion:278 Resp: 755501
Ion Ratio Lower Upper
278 100
139 25.0 16.6 24.8#
279 24.2 19.3 28.9





#91
 Benzo(a,h,i)perylene
 Concen: 47.85 ng
 RT: 17.18 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	27.6	25.4	38.0

