

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093357.D
 Acq On : 3 Mar 2017 12:28
 Operator : SJ/MA
 Sample : I2057-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 23B-22

Quant Time: Mar 03 13:03:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	138171	20.00	ng	-0.06
21) Naphthalene-d8	8.10	136	442475	20.00	ng	-0.05
38) Acenaphthene-d10	9.88	164	146326	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	206927	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	169025	20.00	ng	0.00
86) Perylene-d12	15.47	264	158705	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	943338	117.13	ng	-0.06
7) Phenol-d6	6.45	99	1149401	110.92	ng	-0.03
23) Nitrobenzene-d5	7.38	82	699098	87.98	ng	-0.05
41) 2,4,6-Tribromophenol	10.67	330	119822	113.22	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	822340	101.81	ng	-0.03
78) Terphenyl-d14	12.96	244	408348	56.77	ng	-0.01

Target Compounds				Qvalue		
10) Phenol	6.46	94	64341	5.31	ng	92
15) Benzyl Alcohol	6.96	79	27373	3.57	ng	# 39
18) Hexachloroethane	7.34	117	145171	40.37	ng	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	74092	11.23	ng	# 64
22) Acetophenone	7.13	105	182352	18.05	ng	# 73
24) Nitrobenzene	7.45	77	43987	5.39	ng	# 58
25) Isophorone	7.62	82	184555	12.46	ng	# 1
26) 2-Nitrophenol	7.72	139	19416	5.01	ng	# 1
28) bis(2-Chloroethoxy)methane	7.89	93	58283	5.94	ng	# 1
29) 2,4-Dichlorophenol	7.94	162	34106	5.37	ng	# 11
31) Naphthalene	8.14	128	93400	4.16	ng	# 1
32) Benzoic acid	7.88	122	27391	13.20	ng	# 34
33) 4-Chloroaniline	8.14	127	33473	3.81	ng	# 1
35) Caprolactam	8.54	113	203785	101.99	ng	# 1
36) 4-Chloro-3-methylphenol	8.62	107	26327	3.98	ng	# 38
37) 2-Methylnaphthalene	8.83	142	84987	5.90	ng	# 82
42) 2,4,6-Trichlorophenol	9.10	196	8228	3.05	ng	# 9
43) 2,4,5-Trichlorophenol	9.10	196	8228	2.78	ng	# 1
47) 2-Nitroaniline	9.50	65	14576	5.23	ng	# 43
48) Acenaphthylene	9.73	152	45728	3.19	ng	# 1
49) Dimethylphthalate	9.58	163	81268	8.25	ng	# 21
50) 2,6-Dinitrotoluene	9.71	165	26686	12.54	ng	# 70
51) Acenaphthene	9.90	154	45897	5.36	ng	# 44
52) 3-Nitroaniline	9.82	138	35313	14.50	ng	# 35
53) 2,4-Dinitrophenol	9.95	184	1671	6.19	ng	# 1
54) Dibenzofuran	10.09	168	68078	5.95	ng	# 1
55) 4-Nitrophenol	9.98	139	44205	25.20	ng	# 1
56) 2,4-Dinitrotoluene	10.05	165	46607	16.45	ng	# 49
57) Fluorene	10.43	166	217027	24.64	ng	# 73
58) 2,3,4,6-Tetrachlorophenol	10.19	232	4140	2.10	ng	# 35
59) Diethylphthalate	10.33	149	35752	3.85	ng	# 3
60) 4-Chlorophenyl-phenylether	10.36	204	19145	4.52	ng	# 1
61) 4-Nitroaniline	10.33	138	25390	10.18	ng	91
62) Azobenzene	10.58	77	83925	8.75	ng	# 1

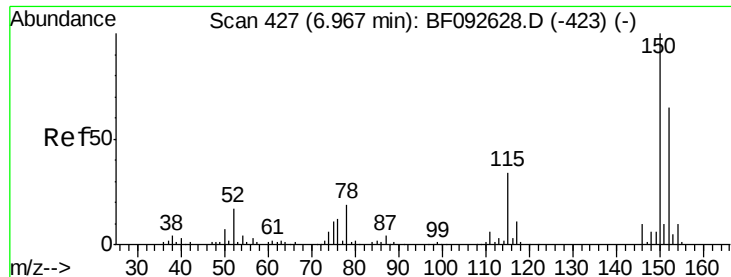
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 4,6-Dinitro-2-methylphenol	10.52	198	8711	9.20	nq	# 1
65) n-Nitrosodiphenylamine	10.54	169	248877	37.65	nq	# 47
68) Atrazine	11.04	200	20513	9.67	nq	# 1
69) Pentachlorophenol	11.18	266	7430	13.33	nq	# 31
70) Phenanthrene	11.39	178	419057	35.35	nq	# 90
71) Anthracene	11.48	178	150808	12.67	nq	# 1
73) Di-n-butylphthalate	11.91	149	40385	3.28	nq	# 1
74) Fluoranthene	12.82	202	77128	6.31	nq	# 74
77) Pyrene	12.82	202	96637	7.64	nq	# 81
80) Benzo(a)anthracene	14.03	228	128448	12.43	nq	# 32
81) 3,3'-Dichlorobenzidine	14.00	252	8703	2.36	nq	# 6
82) Chrysene	14.03	228	128448	13.27	nq	# 39
88) Benzo(k)fluoranthene	15.05	252	18275	2.03	nq	# 1

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

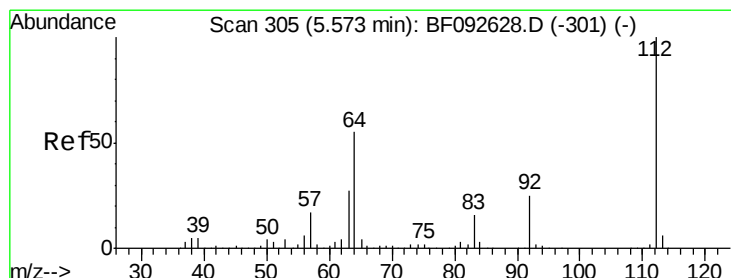
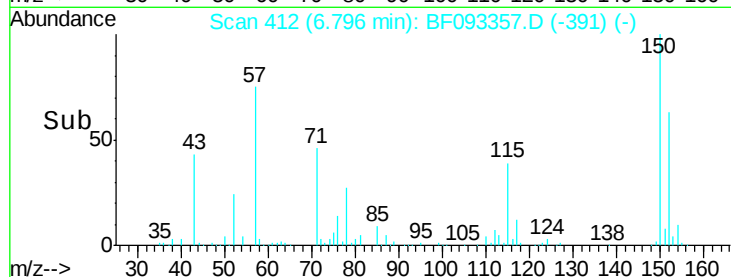
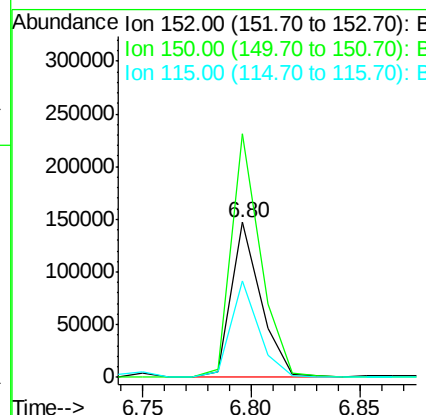
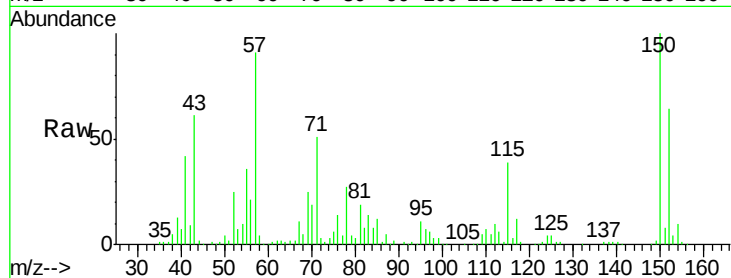


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.06 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Instrument :
BNA_F
ClientSampleId :
23B-22

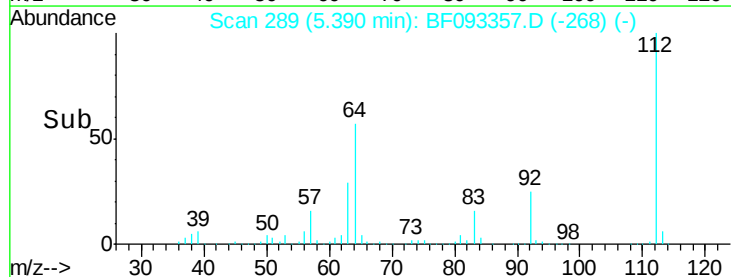
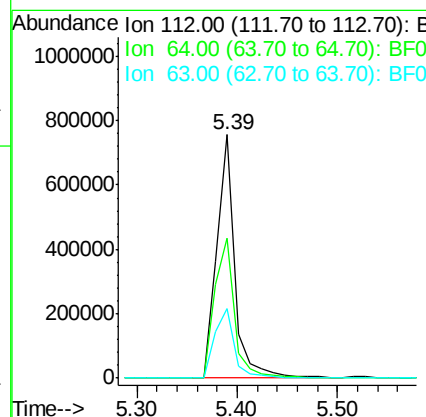
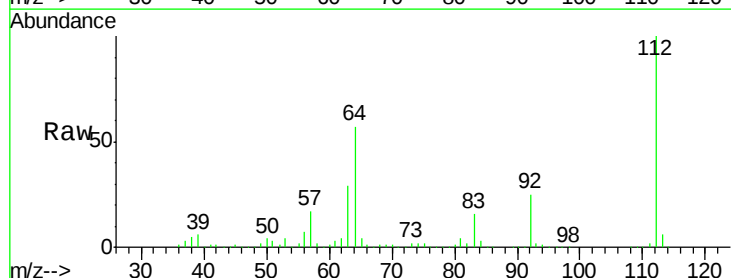
Tot Ion:152 Resp: 138171
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 62.0 46.0 69.0

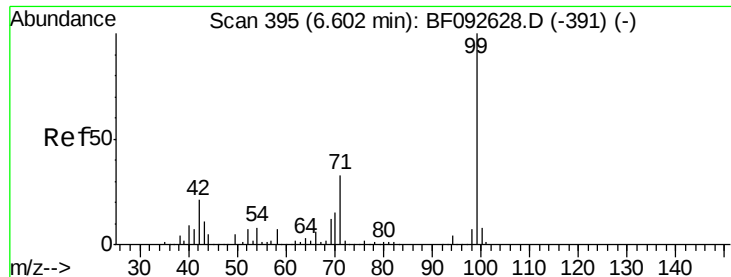


#5

2-Fluorophenol
Concen: 117.13 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.06 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion:112 Resp: 943338
Ion Ratio Lower Upper
112 100
64 57.3 46.1 69.1
63 28.5 23.8 35.6





#7

Phenol-d6

Concen: 110.92 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

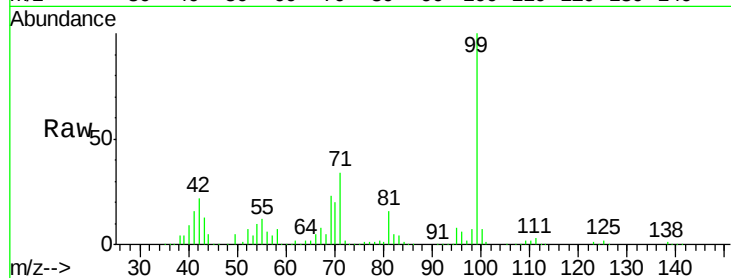
Tot Ion: 99 Resp: 1149401

Ion Ratio Lower Upper

99 100

42 21.8 15.6 23.4

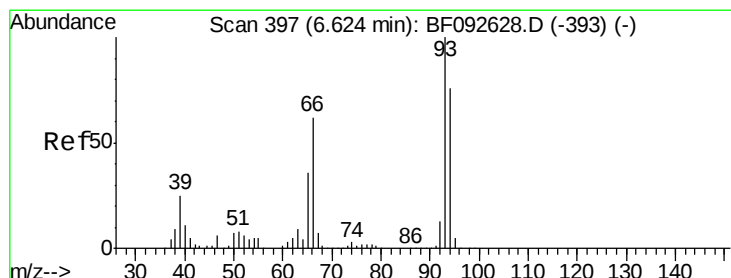
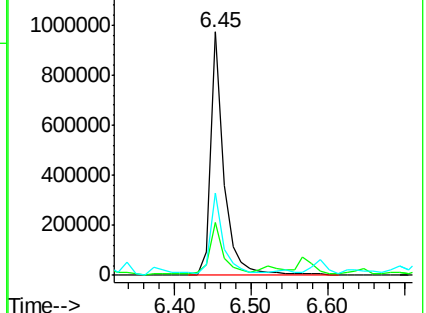
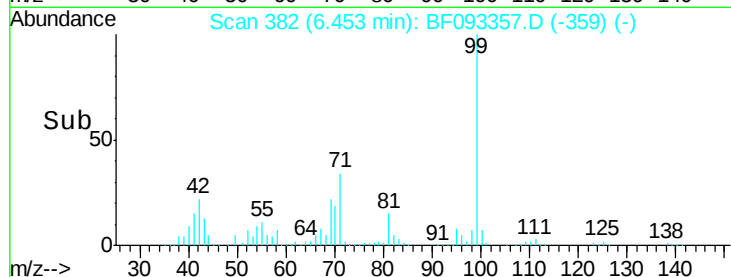
71 33.9 27.5 41.3



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



#10

Phenol

Concen: 5.31 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

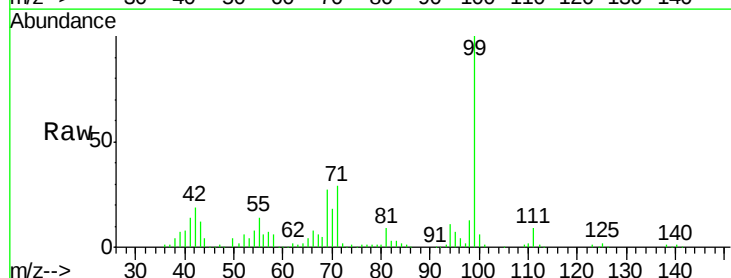
Tgt Ion: 94 Resp: 64341

Ion Ratio Lower Upper

94 100

65 39.5 21.4 61.4

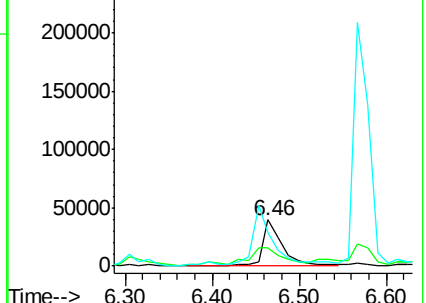
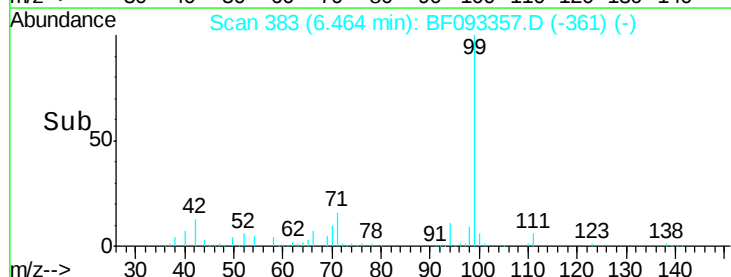
66 73.3 44.0 84.0

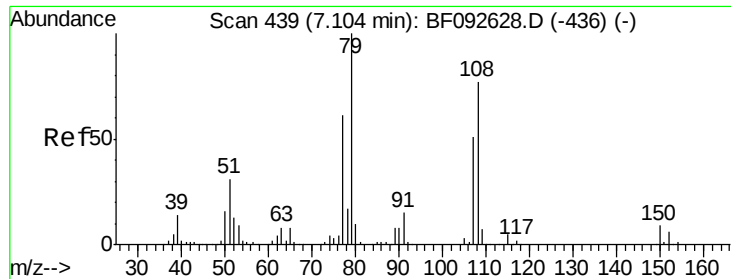


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

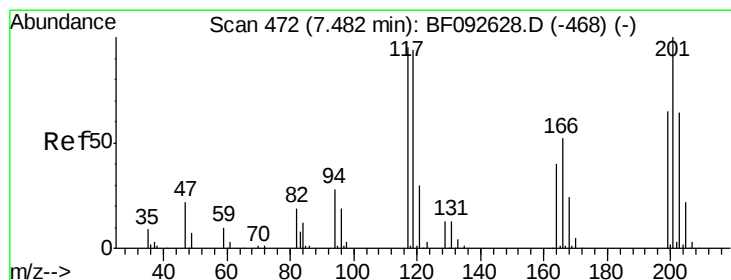
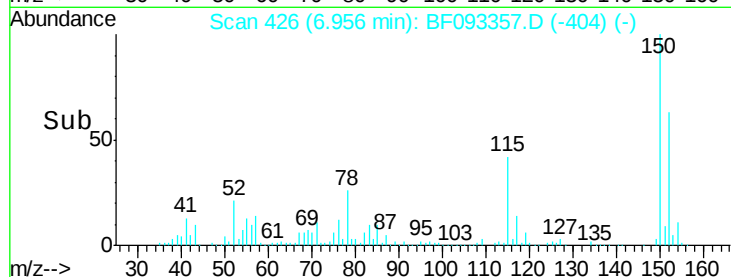
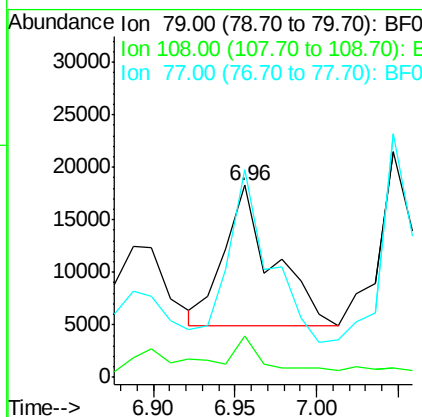
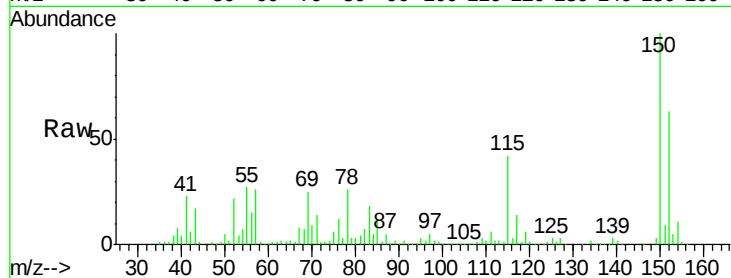




#15
Benzyl Alcohol
Concen: 3.57 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.05 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

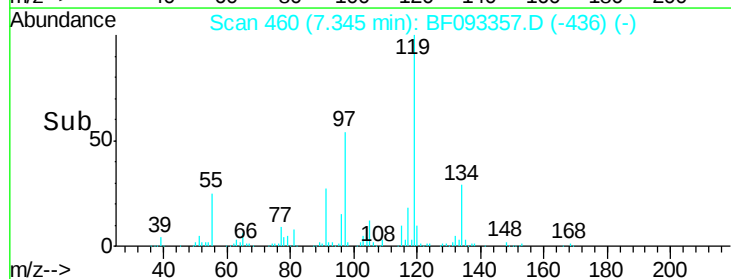
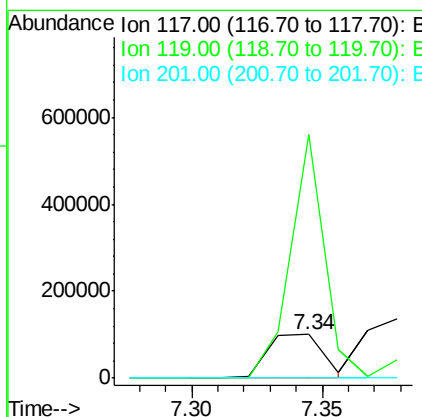
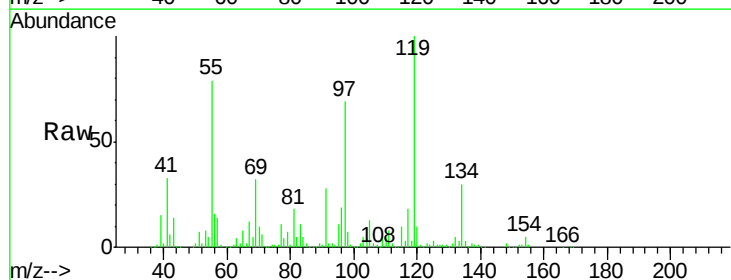
Instrument :
BNA_F
ClientSampleId :
23B-22

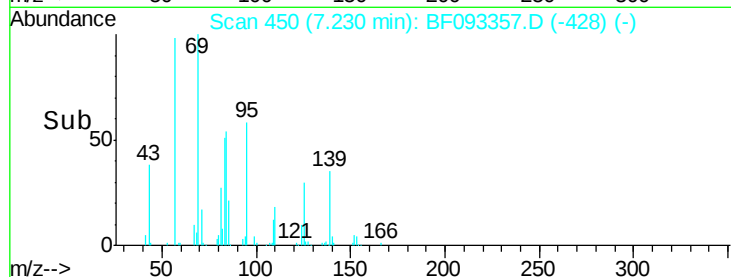
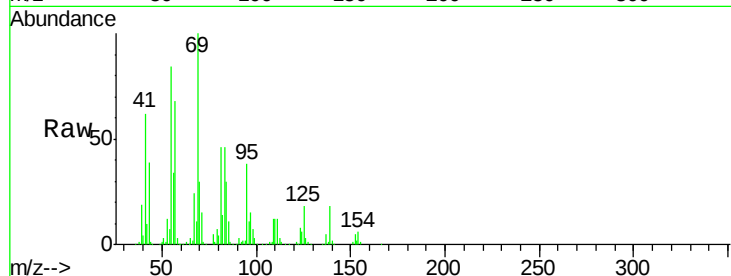
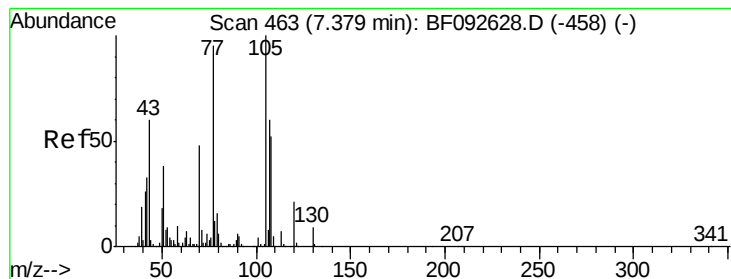
Tot Ion: 79 Resp: 27373
Ion Ratio Lower Upper
79 100
108 21.8 61.4 92.0#
77 108.2 50.9 76.3#



#18
Hexachloroethane
Concen: 40.37 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.02 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion: 117 Resp: 145171
Ion Ratio Lower Upper
117 100
119 559.2 78.1 117.1#
201 0.0 78.6 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 11.23 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

Tot Ion: 70 Resp: 74092

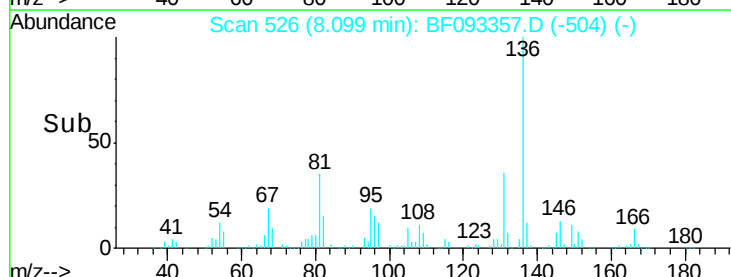
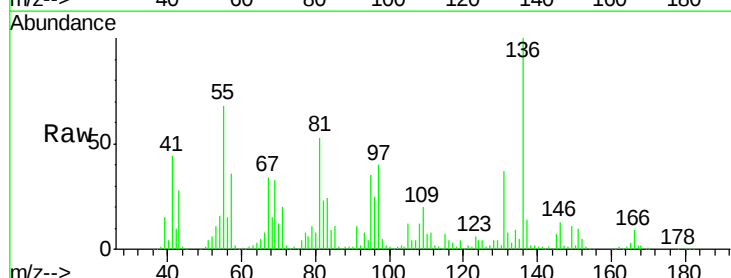
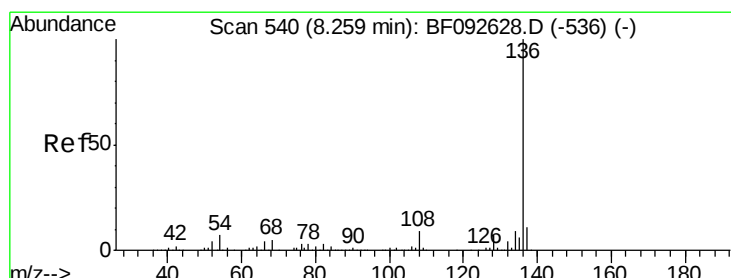
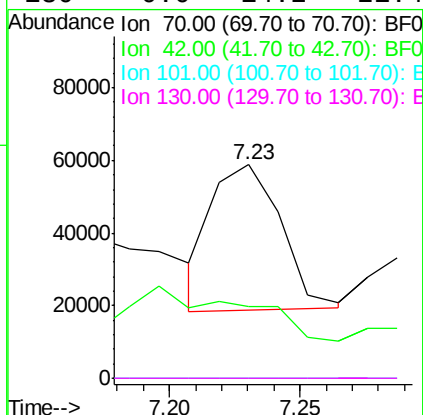
Ion Ratio Lower Upper

70 100

42 33.6 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Tgt Ion: 136 Resp: 442475

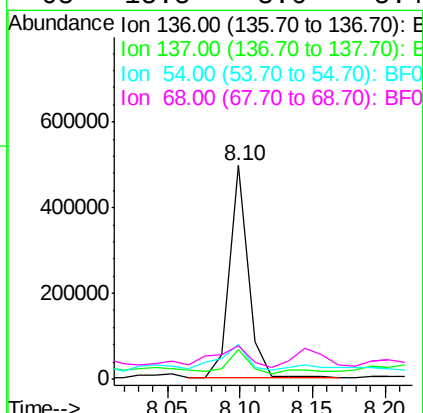
Ion Ratio Lower Upper

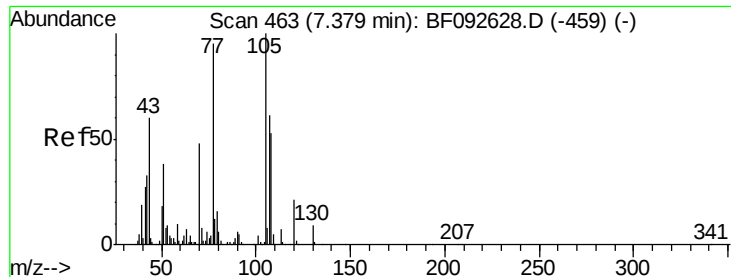
136 100

137 14.1 8.4 12.6#

54 16.2 4.5 6.7#

68 15.5 3.6 5.4#





#22

Acetophenone

Concen: 18.05 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.14 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampled :

23B-22

Tot Ion:105 Resp: 182352

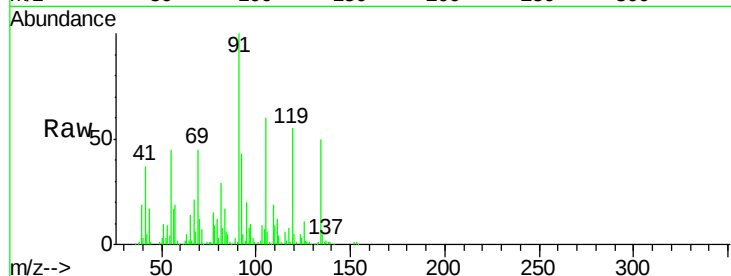
Ion Ratio Lower Upper

105 100

71 11.9 3.2 4.8#

51 16.7 26.2 39.4#

120 8.6 16.6 24.8#

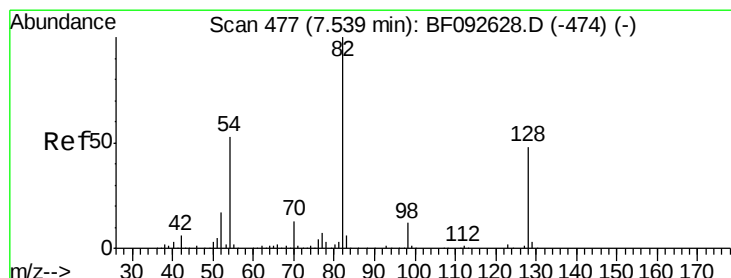
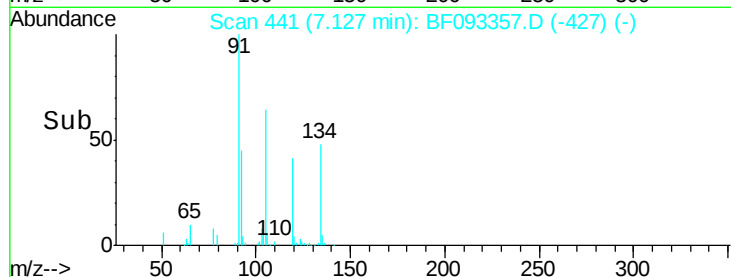
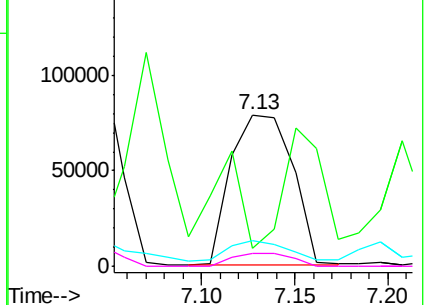


Abundance Ion 105.00 (104.70 to 105.70): E

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: 87.98 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.05 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

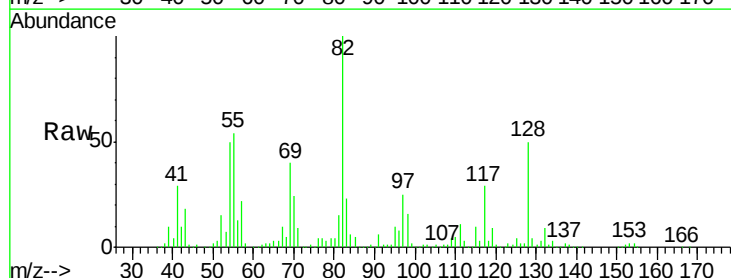
Tgt Ion: 82 Resp: 699098

Ion Ratio Lower Upper

82 100

128 50.0 34.6 52.0

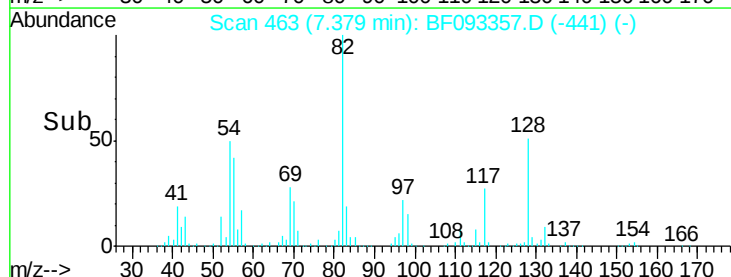
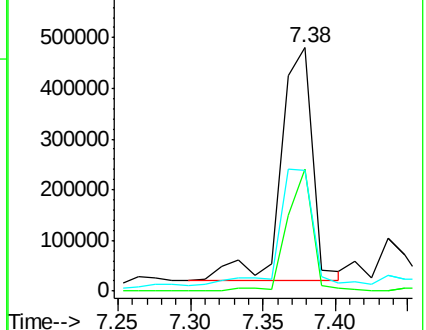
54 49.7 39.5 59.3

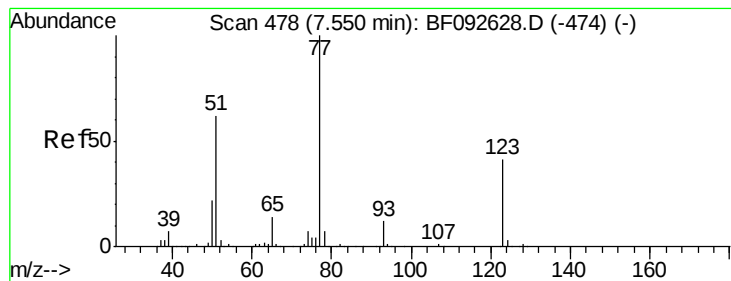


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 5.39 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.00 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampled :

23B-22

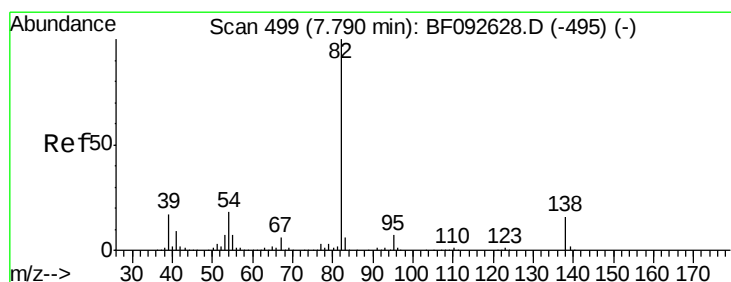
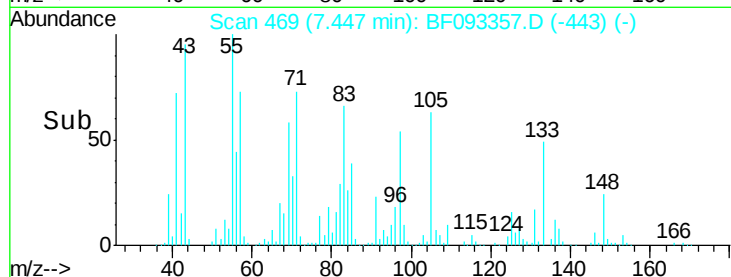
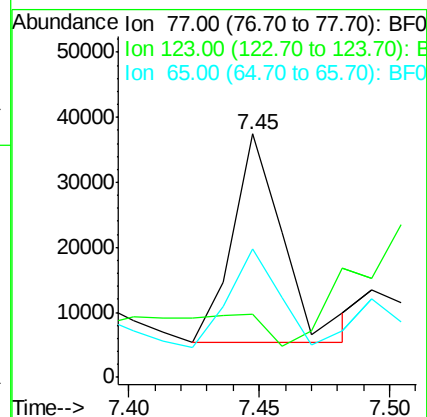
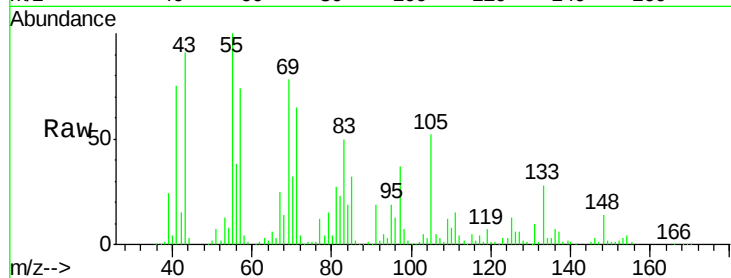
Tot Ion: 77 Resp: 43987

Ion Ratio Lower Upper

77 100

123 25.9 33.0 49.4#

65 52.6 11.2 16.8#



#25

Isophorone

Concen: 12.46 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.07 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

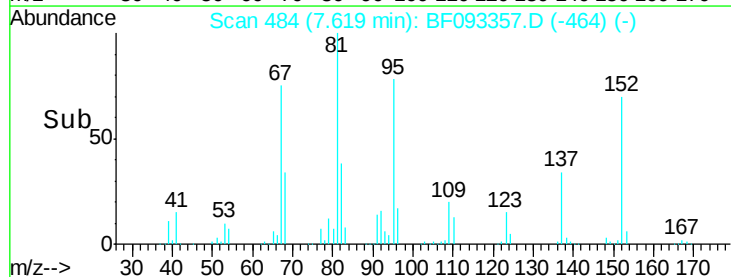
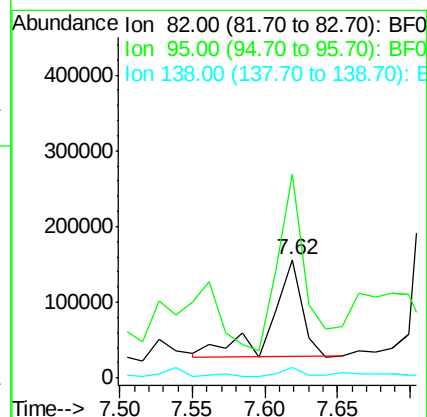
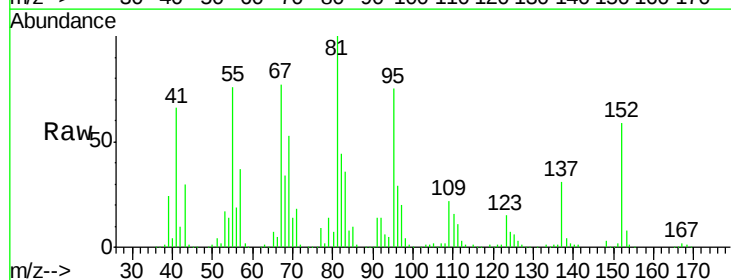
Tgt Ion: 82 Resp: 184555

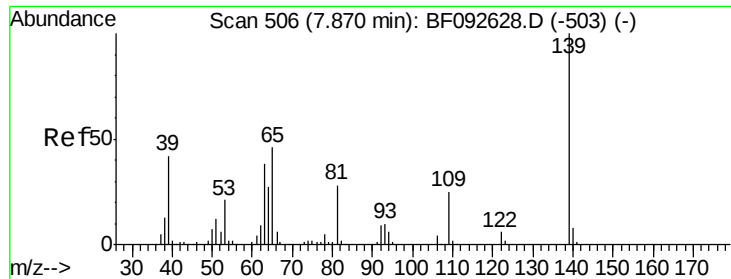
Ion Ratio Lower Upper

82 100

95 171.5 5.6 8.4#

138 8.8 14.6 22.0#

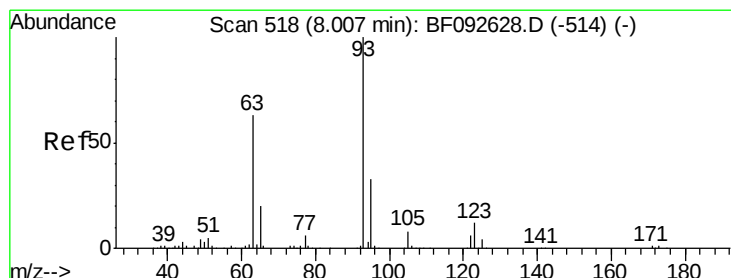
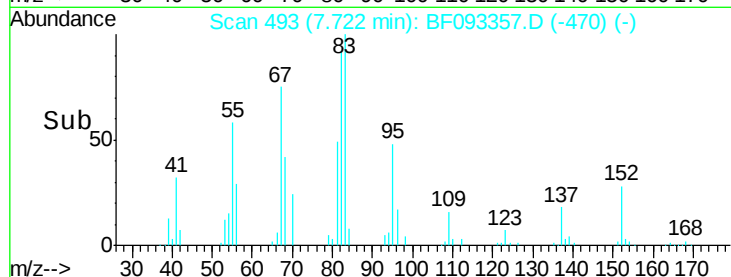
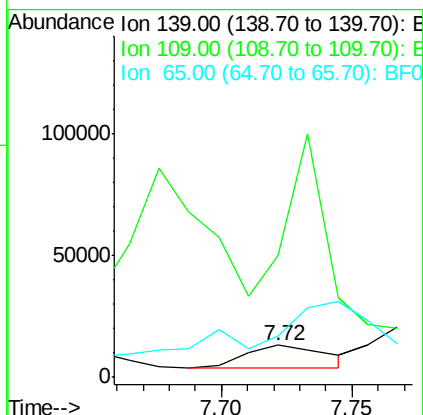
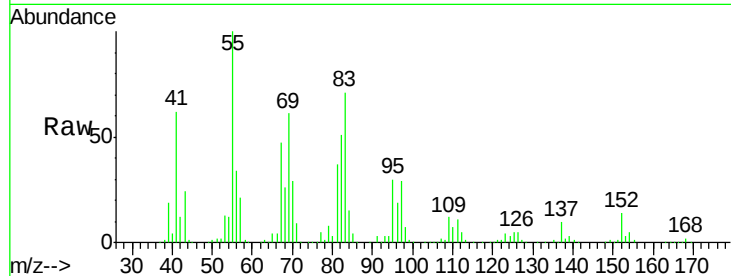




#26
2-Nitrophenol
Concen: 5.01 ng
RT: 7.72 min Scan# 493
Delta R.T. -0.03 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

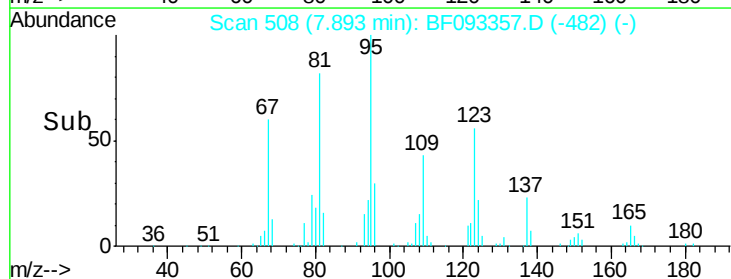
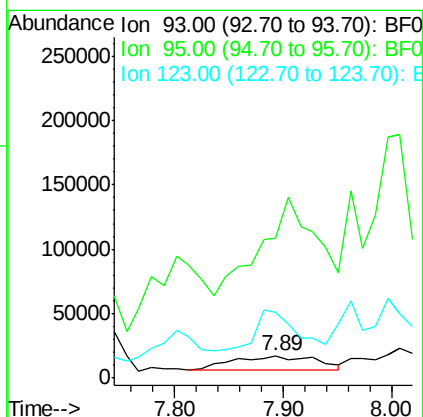
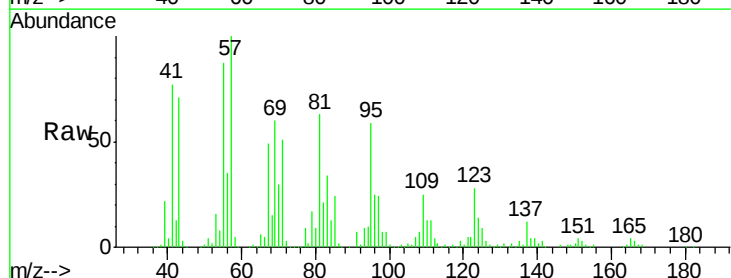
Instrument :
BNA_F
ClientSampleId :
23B-22

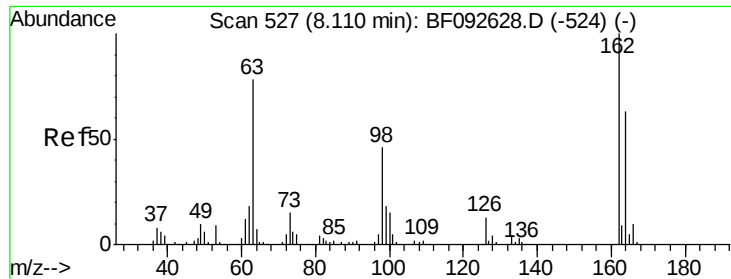
Tot Ion:139 Resp: 19416
Ion Ratio Lower Upper
139 100
109 380.5 23.3 34.9#
65 129.1 42.7 64.1#



#28
bis(2-Chloroethoxy)methane
Concen: 5.94 ng
RT: 7.89 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion: 93 Resp: 58283
Ion Ratio Lower Upper
93 100
95 628.9 26.5 39.7#
123 297.8 8.6 13.0#

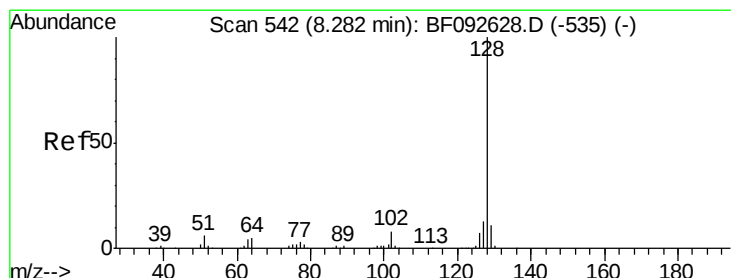
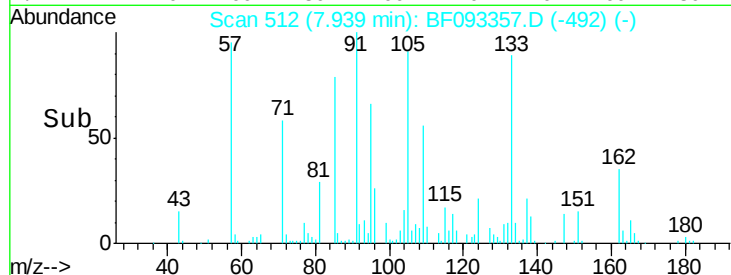
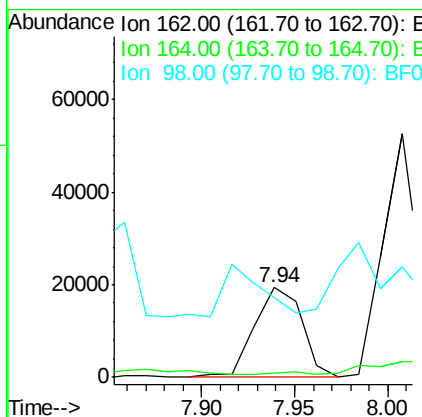
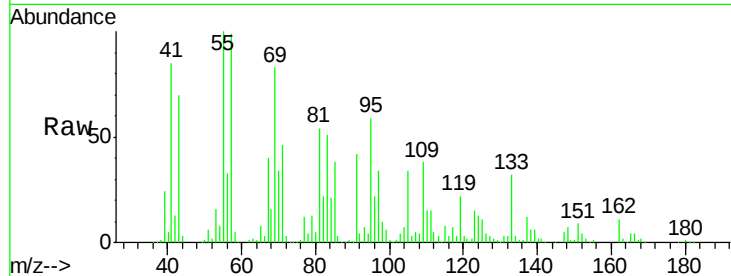




#29
2,4-Dichlorophenol
Concen: 5.37 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.07 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

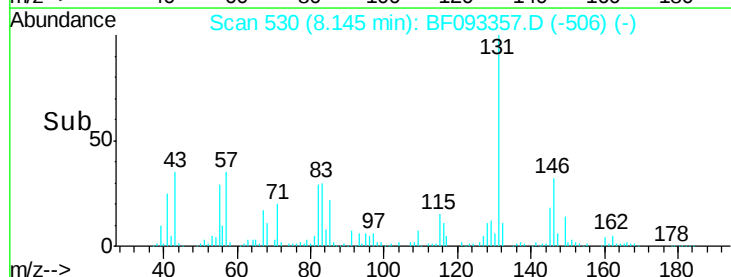
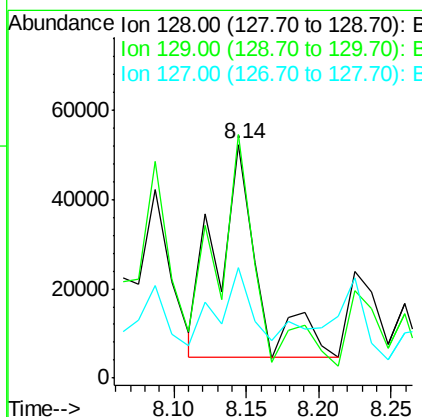
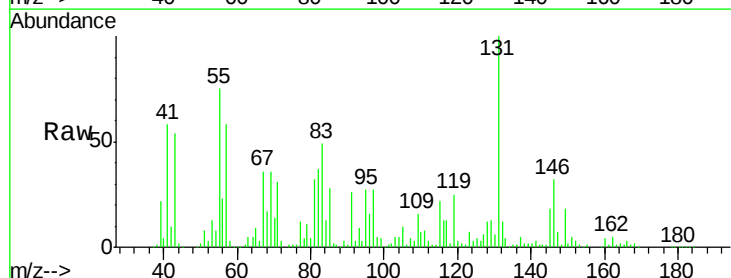
Instrument :
BNA_F
ClientSampleId :
23B-22

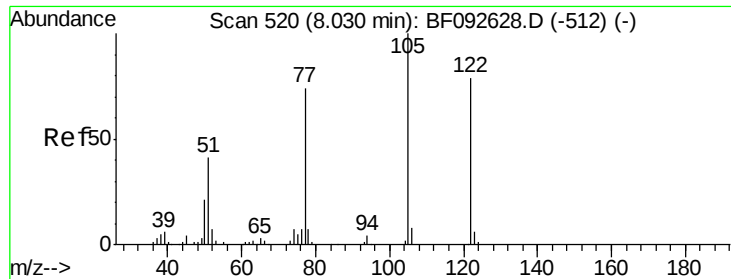
Tot Ion:162 Resp: 34106
Ion Ratio Lower Upper
162 100
164 4.3 46.8 86.8#
98 89.5 9.1 49.1#



#31
Naphthalene
Concen: 4.16 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion:128 Resp: 93400
Ion Ratio Lower Upper
128 100
129 104.2 9.5 14.3#
127 47.2 10.8 16.2#

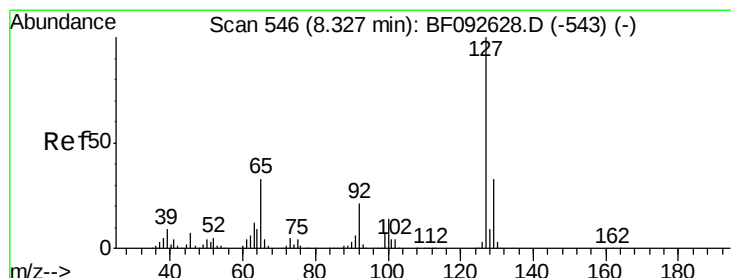
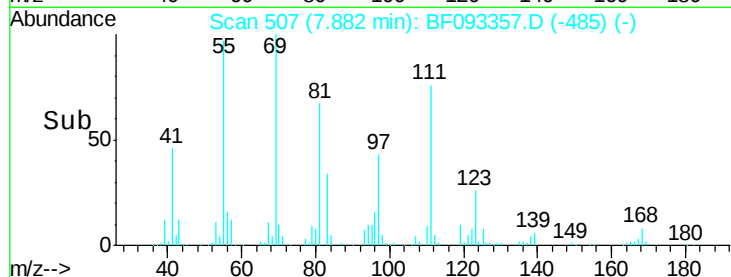
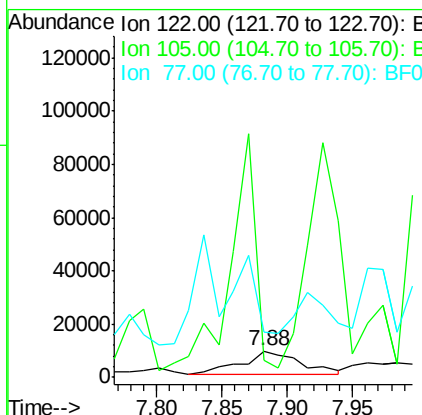
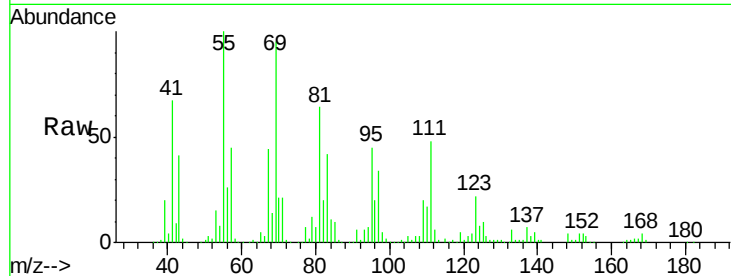




#32
Benzoic acid
Concen: 13.20 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.05 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

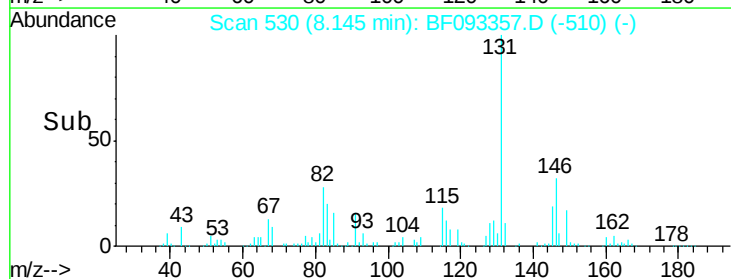
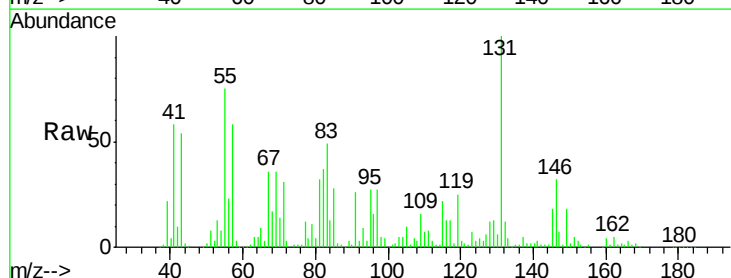
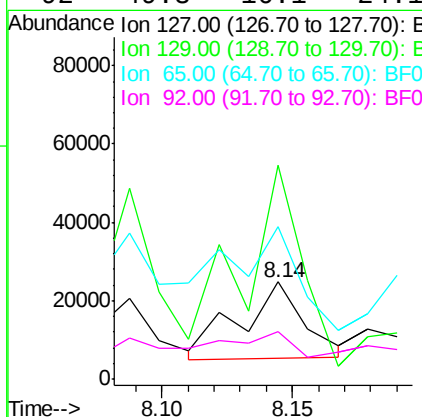
Instrument :
BNA_F
ClientSampleId :
23B-22

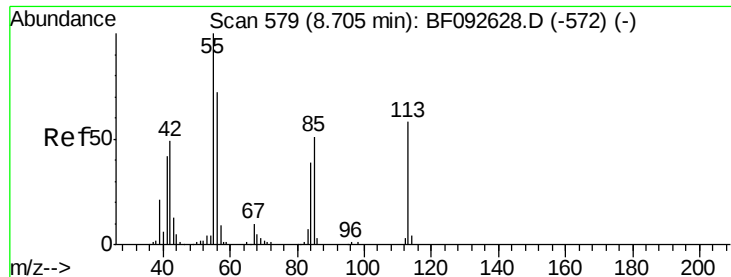
Tot Ion:122 Resp: 27391
Ion Ratio Lower Upper
122 100
105 61.9 107.2 147.2#
77 170.4 74.5 114.5#



#33
4-Chloroaniline
Concen: 3.81 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.07 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion:127 Resp: 33473
Ion Ratio Lower Upper
127 100
129 220.5 26.3 39.5#
65 157.8 25.8 38.8#
92 49.3 16.1 24.1#

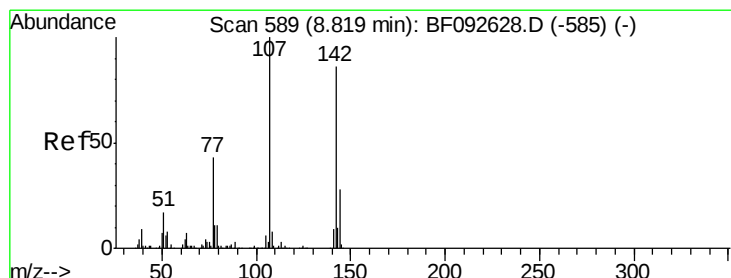
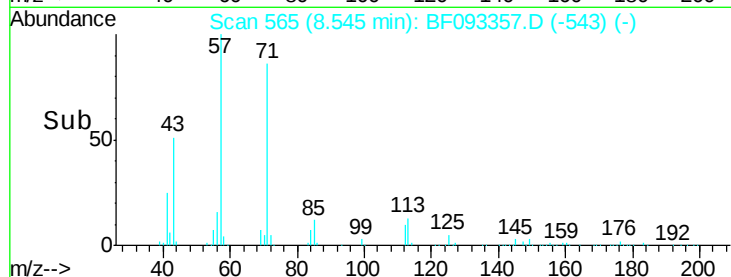
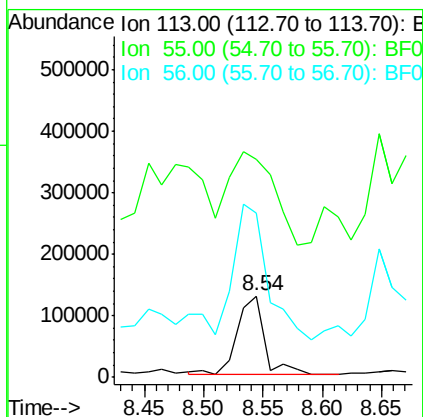
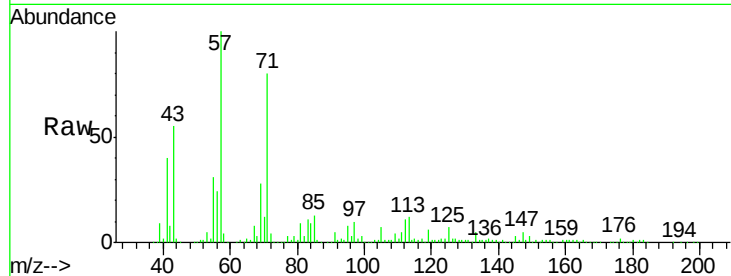




#35
 Caprolactam
 Concen: 101.99 ng
 RT: 8.54 min Scan# 565
 Delta R.T. -0.05 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

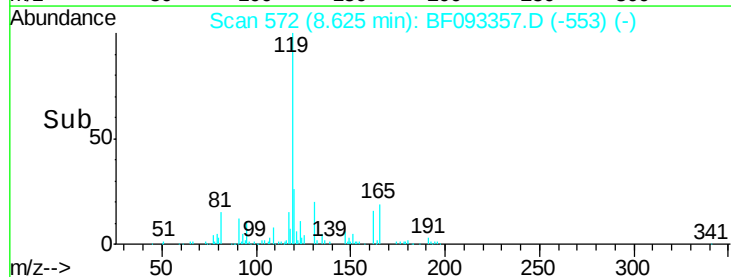
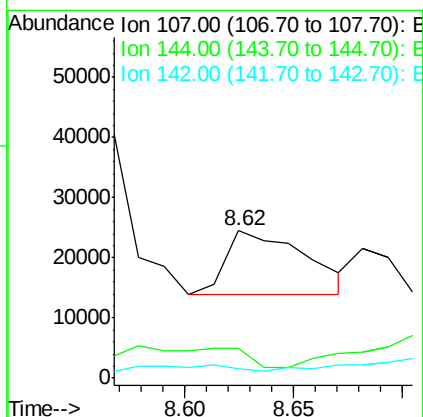
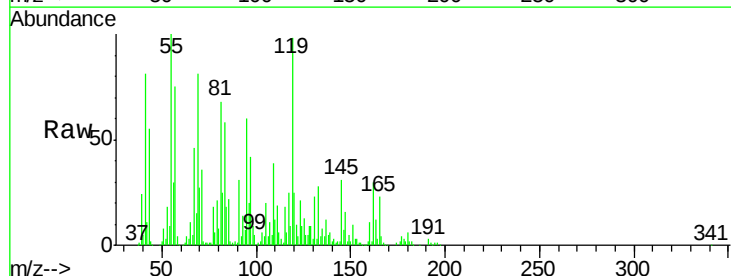
Instrument :
 BNA_F
 ClientSampleId :
 23B-22

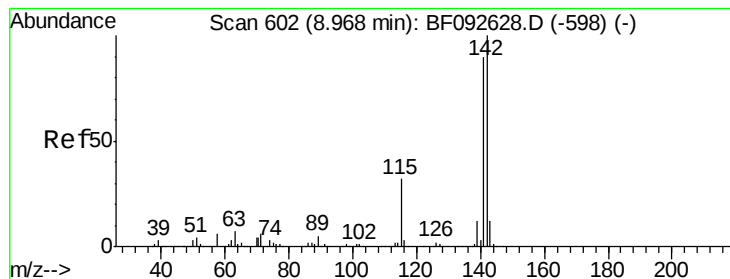
Tot Ion:113 Resp: 203785
 Ion Ratio Lower Upper
 113 100
 55 268.9 119.2 159.2#
 56 202.7 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 3.98 ng
 RT: 8.62 min Scan# 572
 Delta R.T. -0.08 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

Tgt Ion:107 Resp: 26327
 Ion Ratio Lower Upper
 107 100
 144 20.0 19.3 28.9
 142 6.2 59.0 88.6#

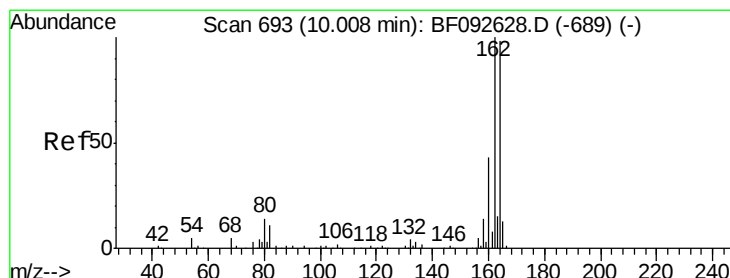
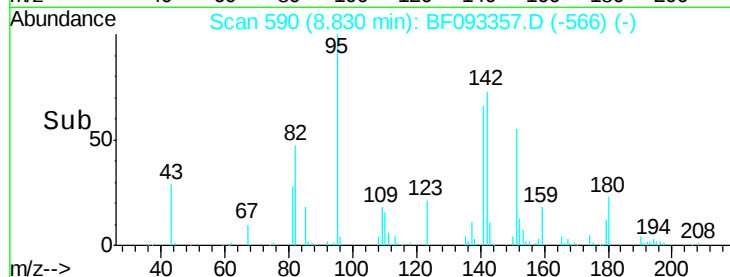
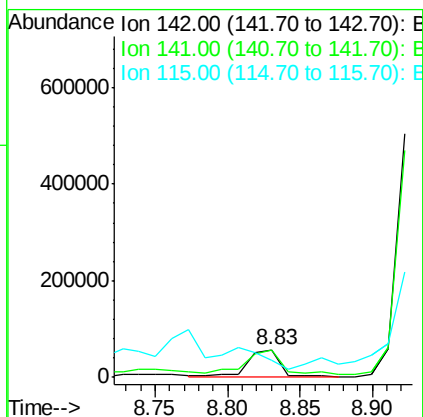
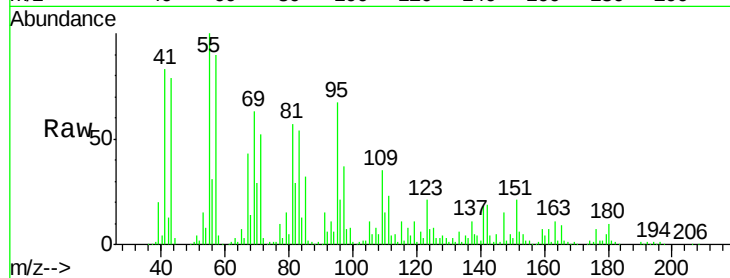




#37
2-Methylnaphthalene
Concen: 5.90 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.02 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

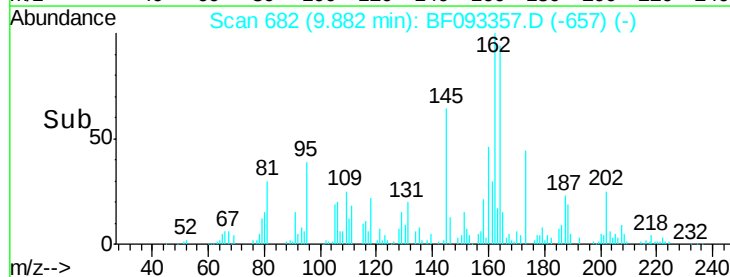
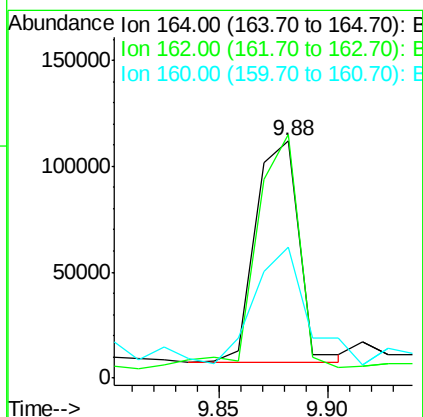
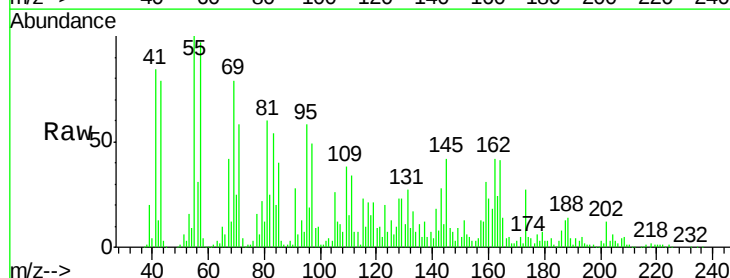
Instrument :
BNA_F
ClientSampleId :
23B-22

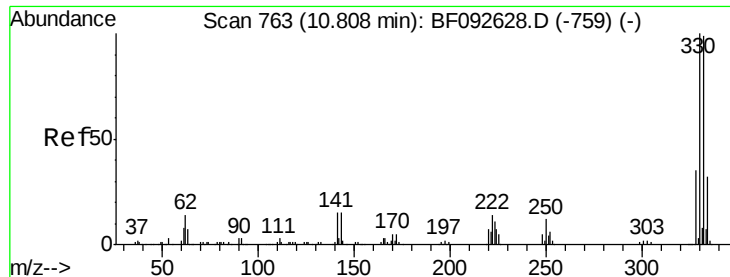
Tot Ion:142 Resp: 84987
Ion Ratio Lower Upper
142 100
141 97.3 71.0 106.6
115 59.6 28.3 42.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion:164 Resp: 146326
Ion Ratio Lower Upper
164 100
162 102.5 80.2 120.2
160 55.3 36.9 55.3

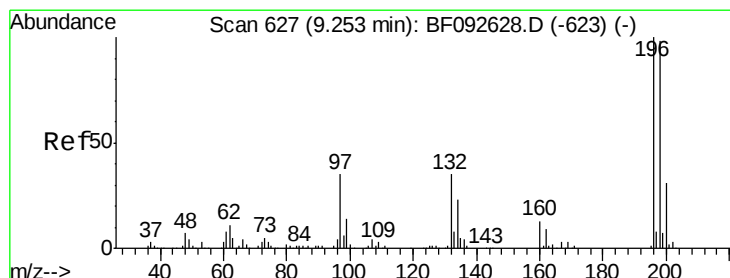
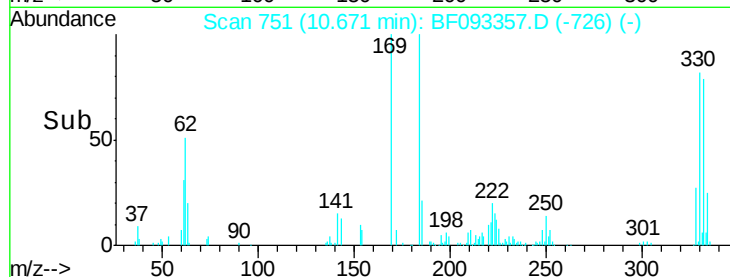
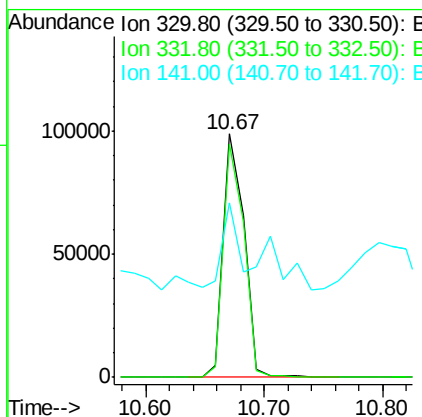
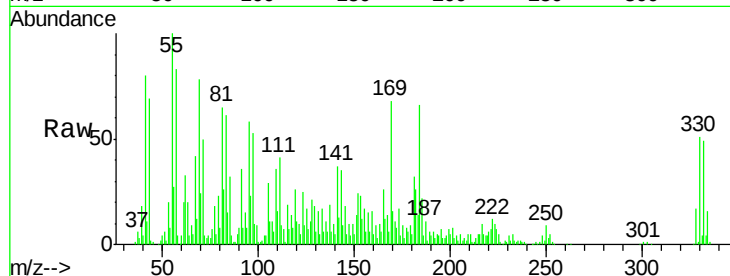




#41
 2,4,6-Tribromophenol
 Concen: 113.22 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

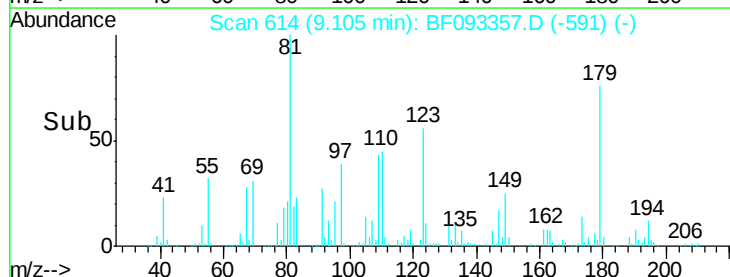
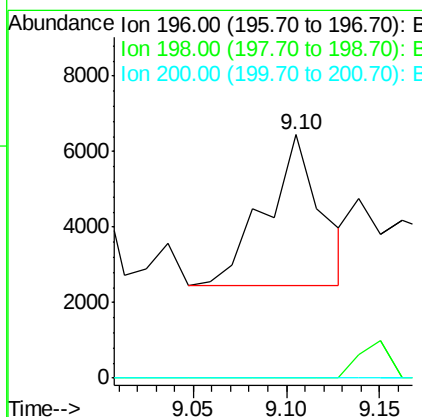
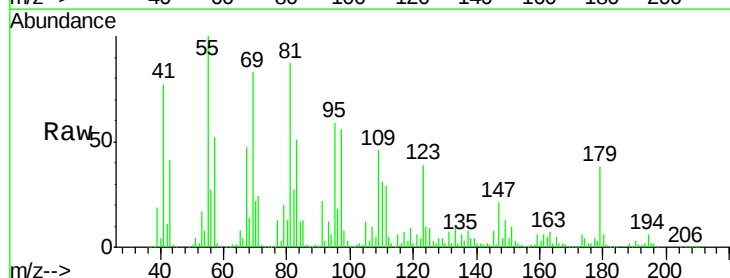
Instrument :
 BNA_F
 ClientSampleId :
 23B-22

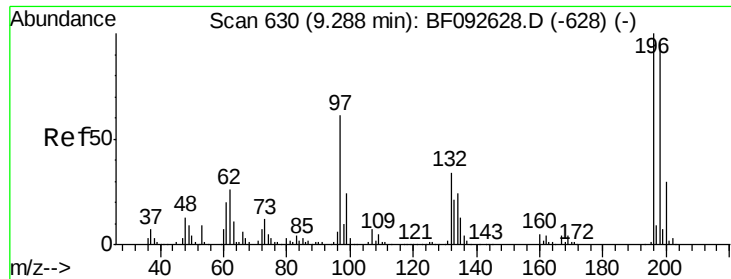
Tot Ion:330 Resp: 119822
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.2
 141 29.0 34.1 51.1#



#42
 2,4,6-Trichlorophenol
 Concen: 3.05 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

Tgt Ion:196 Resp: 8228
 Ion Ratio Lower Upper
 196 100
 198 0.0 82.1 123.1#
 200 0.0 27.0 40.4#

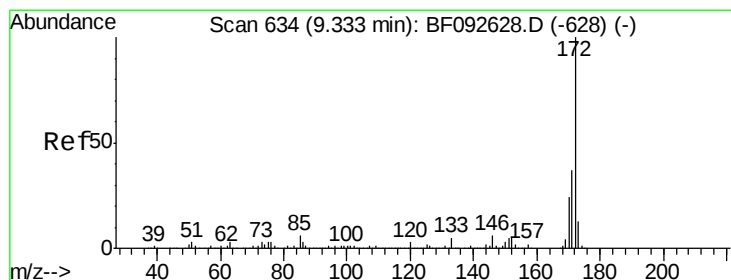
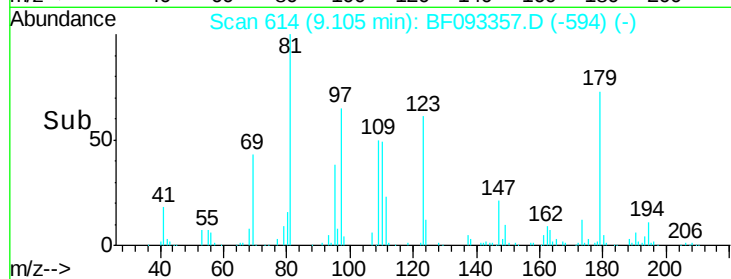
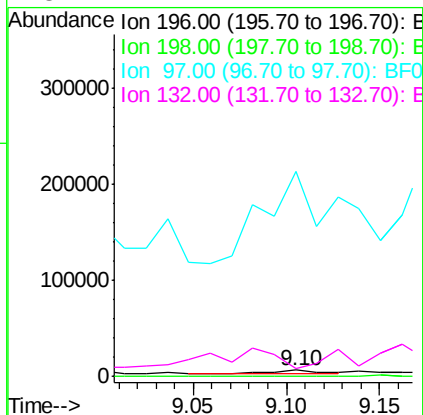
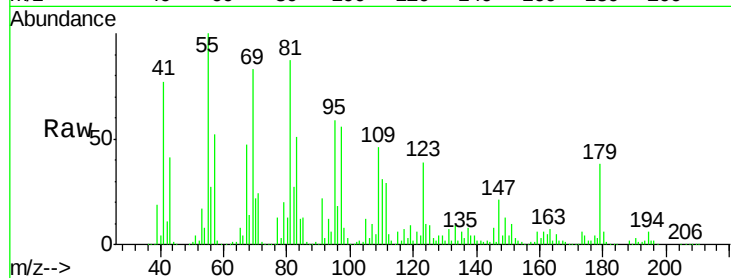




#43
 2,4,5-Trichlorophenol
 Concen: 2.78 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.07 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

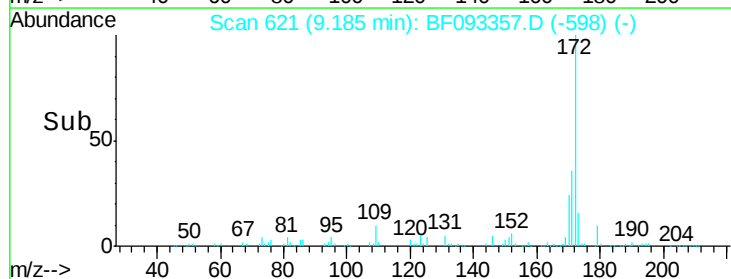
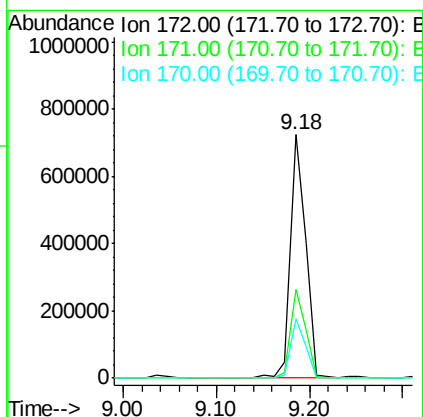
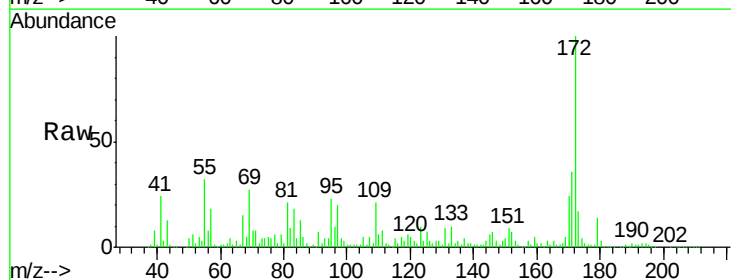
Instrument :
 BNA_F
 ClientSampleId :
 23B-22

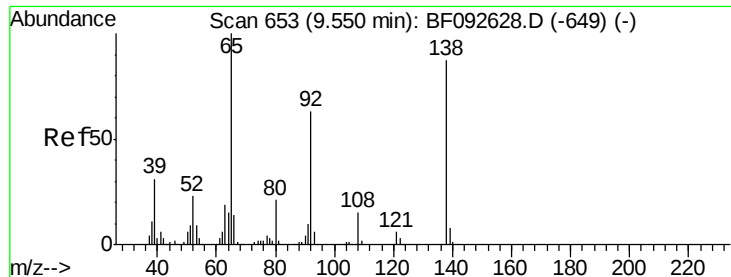
Tot Ion:196 Resp: 8228
 Ion Ratio Lower Upper
 196 100
 198 0.0 79.4 119.2#
 97 3308.2 51.5 77.3#
 132 117.1 27.4 41.2#



#44
 2-Fluorobiphenyl
 Concen: 101.81 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.03 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

Tgt Ion:172 Resp: 822340
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.2 20.2 30.4





#47

2-Nitroaniline

Concen: 5.23 ng

RT: 9.50 min Scan# 649

Delta R.T. 0.06 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

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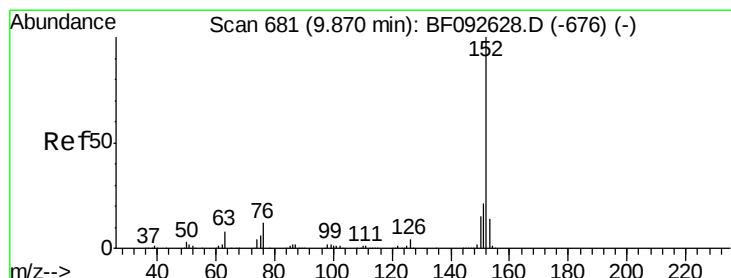
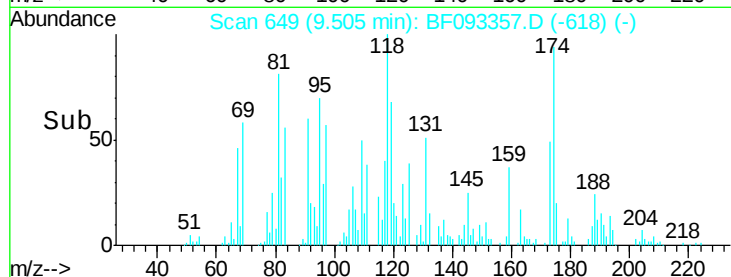
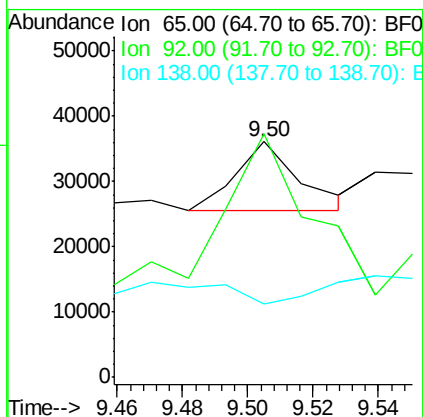
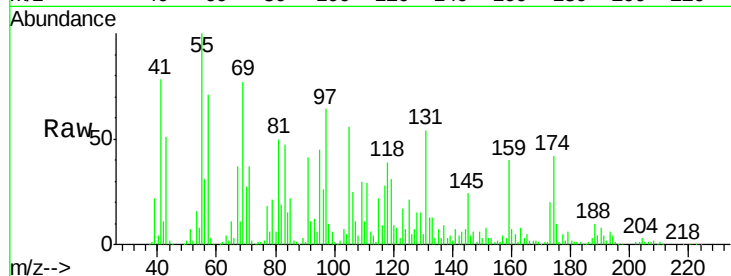
Tot Ion: 65 Resp: 14576

Ion Ratio Lower Upper

65 100

92 103.4 53.9 80.9#

138 31.2 76.8 115.2#



#48

Acenaphthylene

Concen: 3.19 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

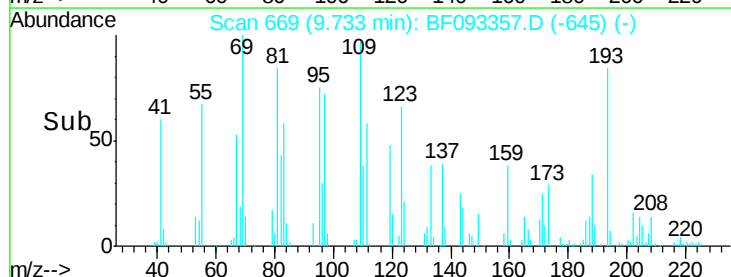
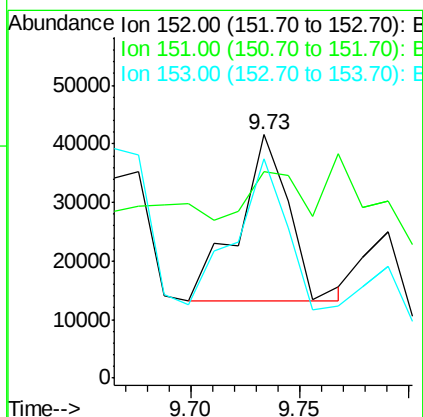
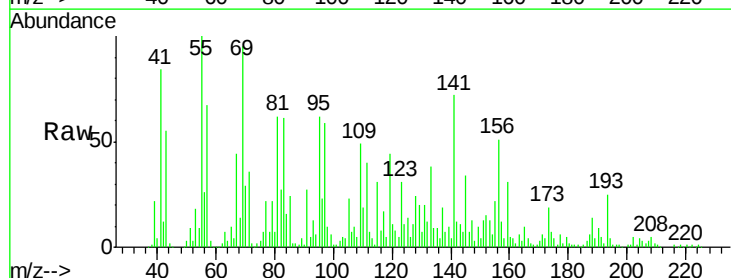
Tgt Ion: 152 Resp: 45728

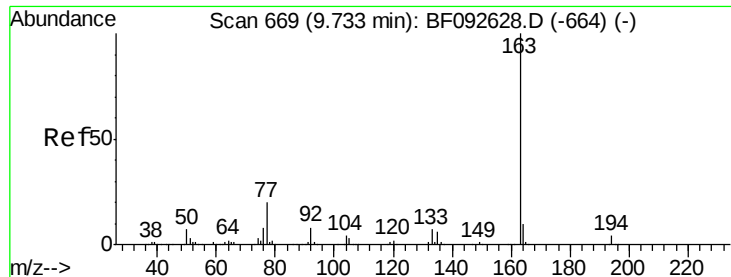
Ion Ratio Lower Upper

152 100

151 84.6 16.9 25.3#

153 89.9 11.4 17.2#

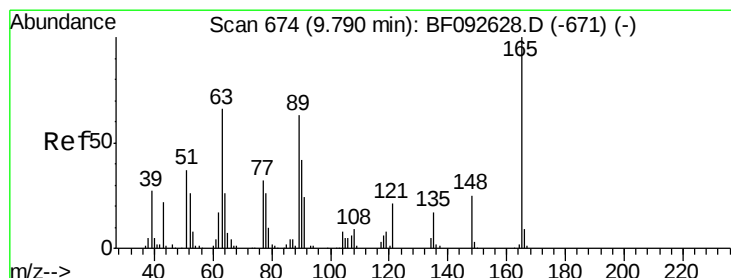
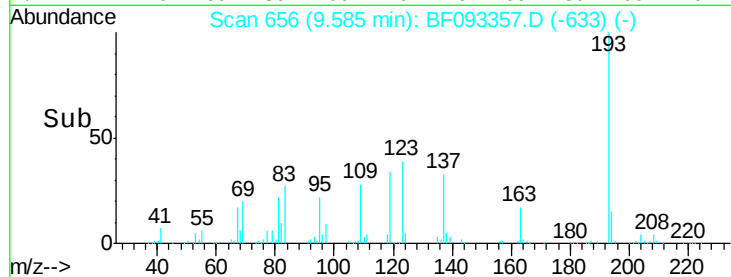
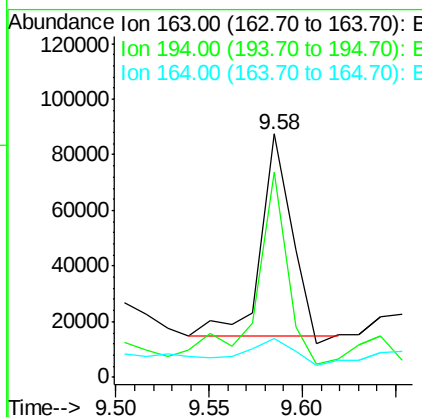
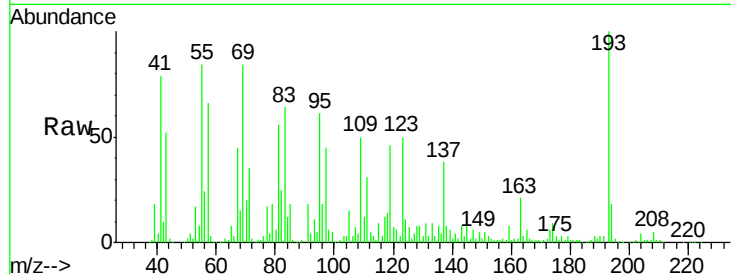




#49
Dimethylphthalate
Concen: 8.25 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.03 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

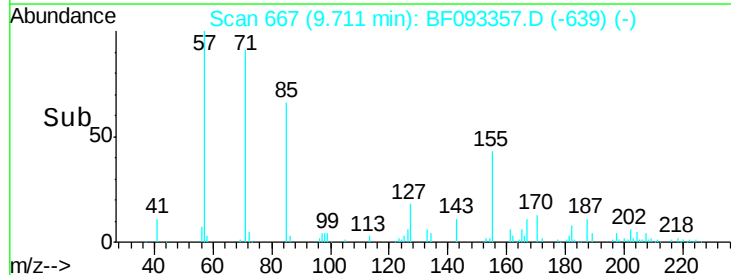
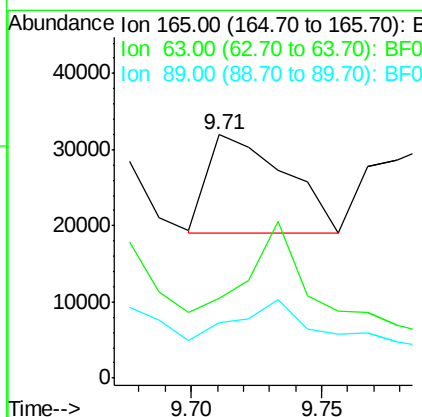
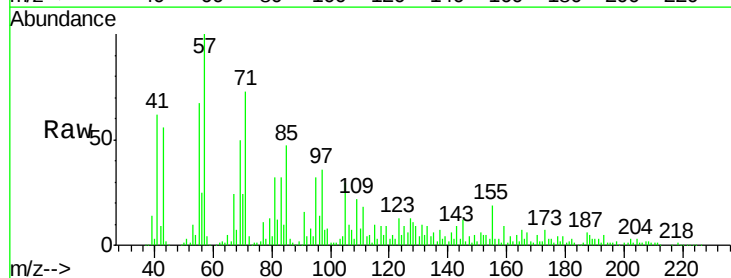
Instrument :
BNA_F
ClientSampleId :
23B-22

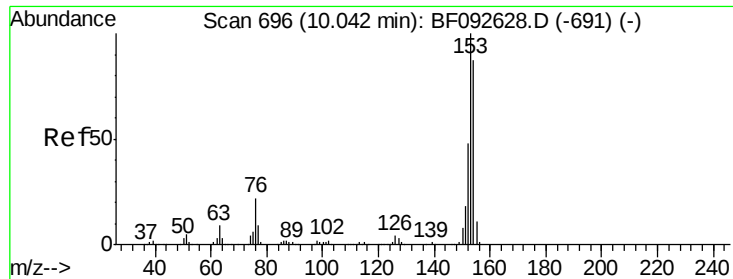
Tot Ion:163 Resp: 81268
Ion Ratio Lower Upper
163 100
194 84.5 3.0 4.4#
164 16.2 8.0 12.0#



#50
2,6-Dinitrotoluene
Concen: 12.54 ng
RT: 9.71 min Scan# 667
Delta R.T. 0.02 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion:165 Resp: 26686
Ion Ratio Lower Upper
165 100
63 32.8 36.2 54.4#
89 22.9 40.2 60.4#





#51

Acenaphthene

Concen: 5.36 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

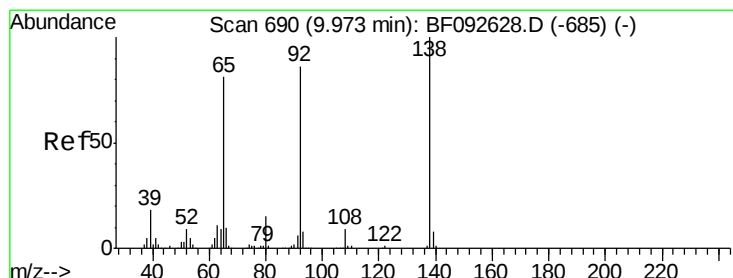
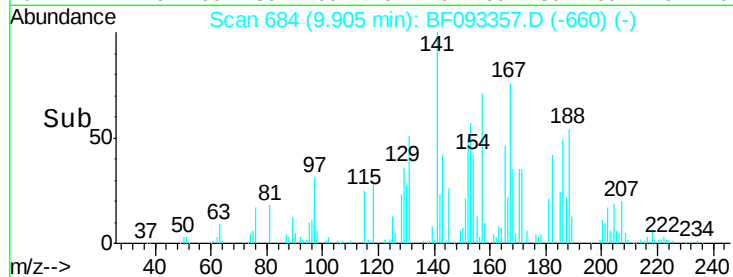
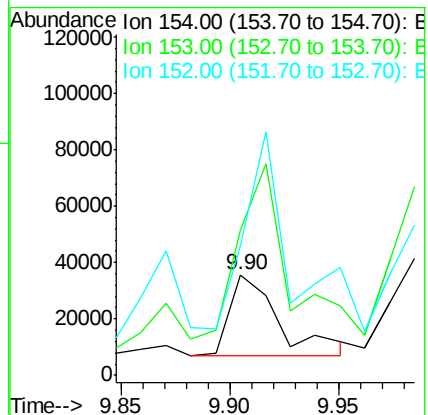
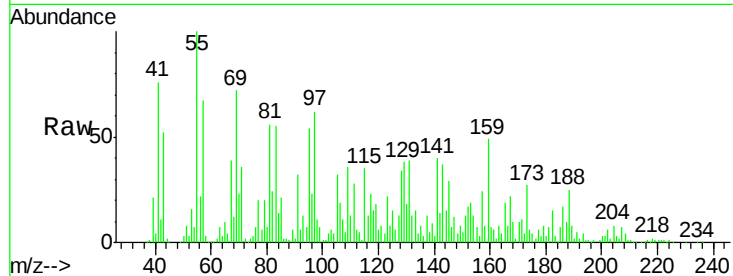
Tot Ion:154 Resp: 45897

Ion Ratio Lower Upper

154 100

153 143.6 88.6 133.0#

152 129.2 41.6 62.4#



#52

3-Nitroaniline

Concen: 14.50 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

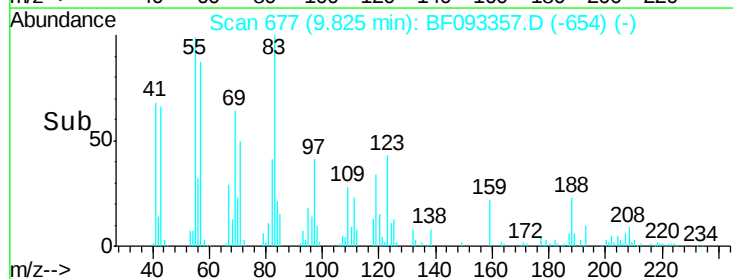
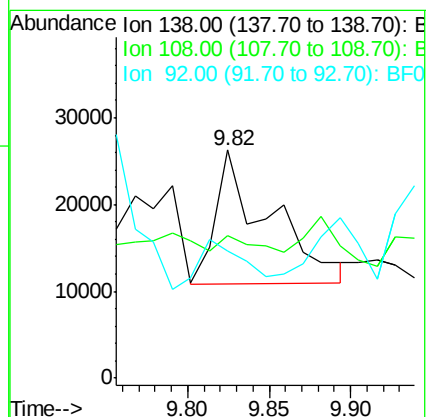
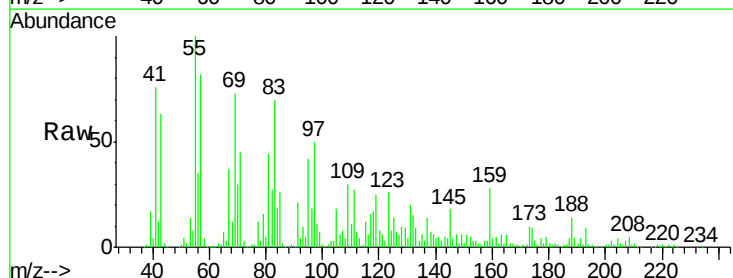
Tgt Ion:138 Resp: 35313

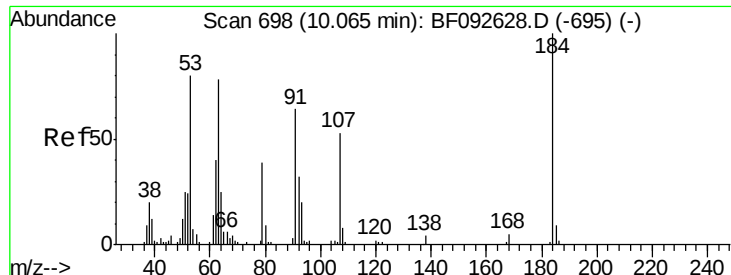
Ion Ratio Lower Upper

138 100

108 62.3 8.5 12.7#

92 56.0 97.8 146.8#

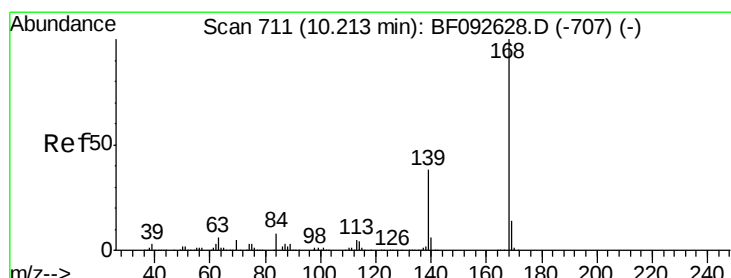
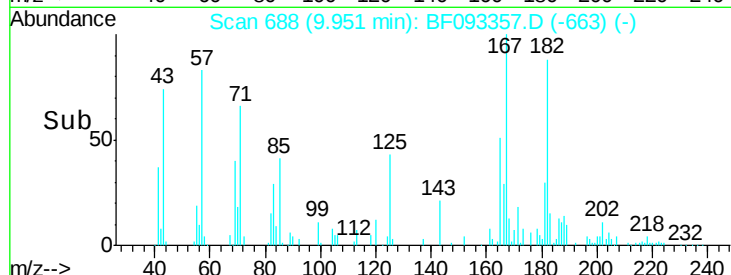
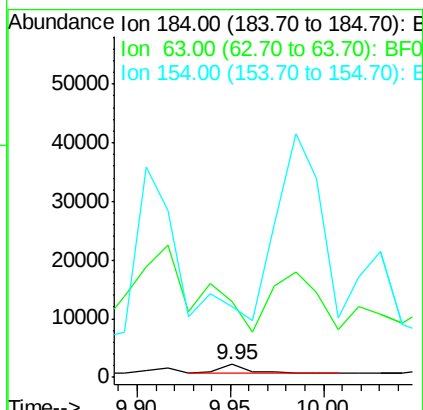
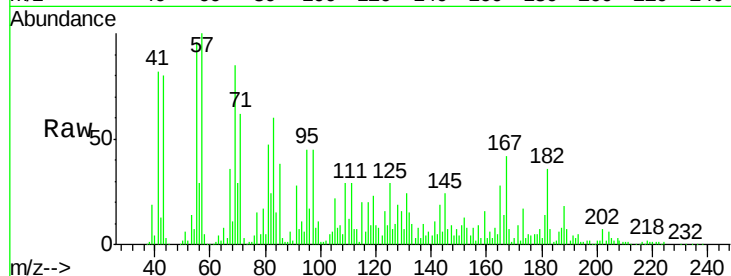




#53
2,4-Dinitrophenol
Concen: 6.19 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

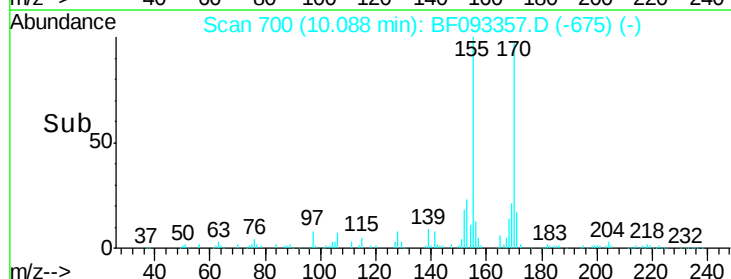
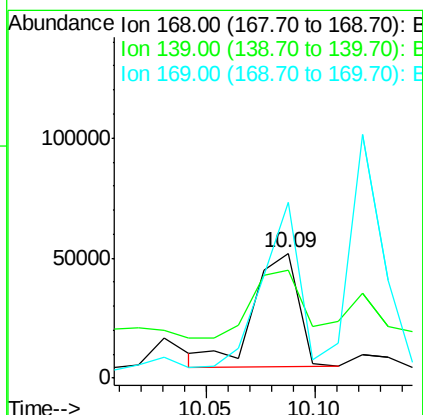
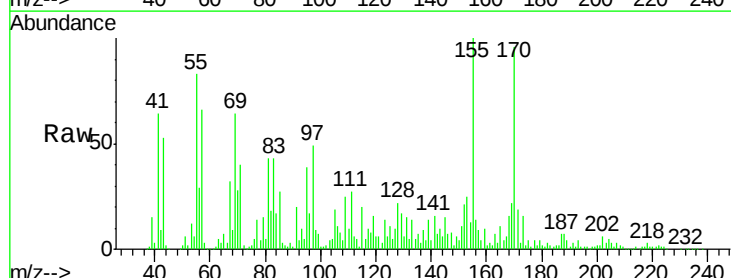
Instrument :
BNA_F
ClientSampleId :
23B-22

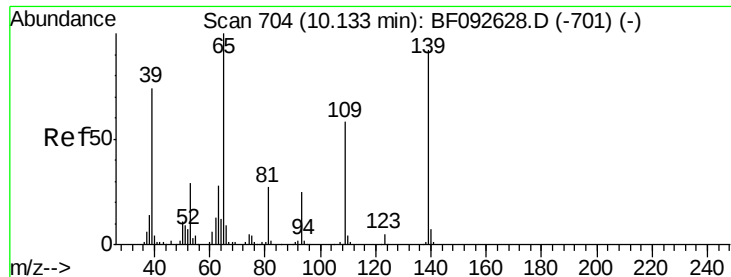
Tot Ion:184 Resp: 1671
Ion Ratio Lower Upper
184 100
63 594.7 28.4 42.6#
154 551.0 44.3 66.5#



#54
Dibenzofuran
Concen: 5.95 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion:168 Resp: 68078
Ion Ratio Lower Upper
168 100
139 86.5 32.6 49.0#
169 140.6 11.3 16.9#

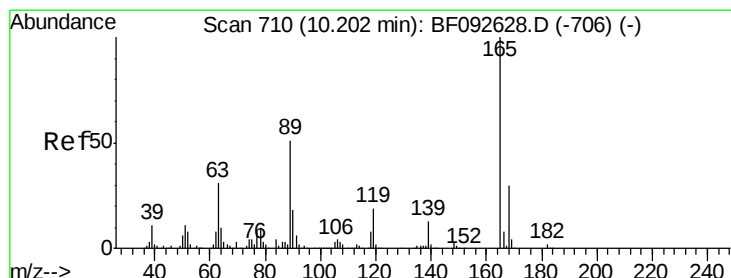
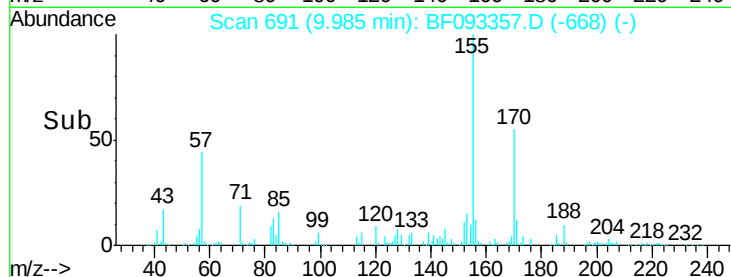
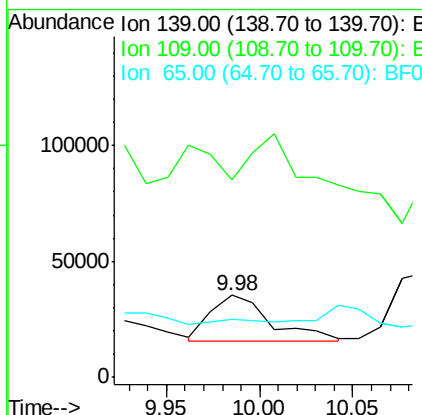
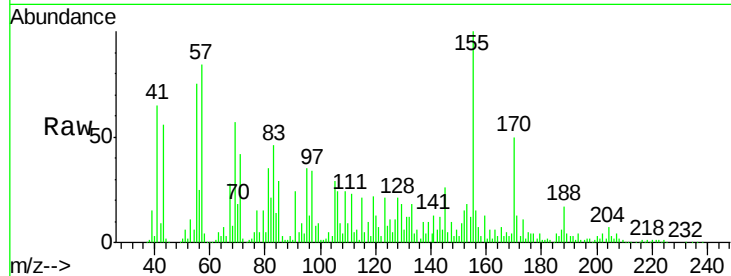




#55
4-Nitrophenol
Concen: 25.20 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.03 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

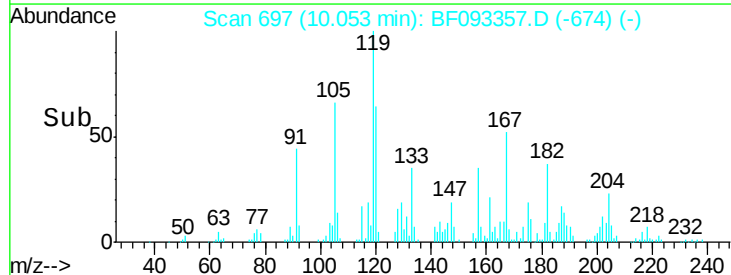
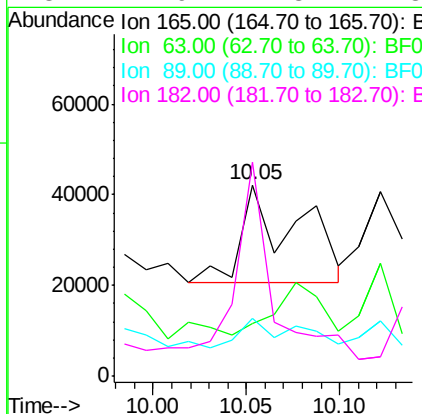
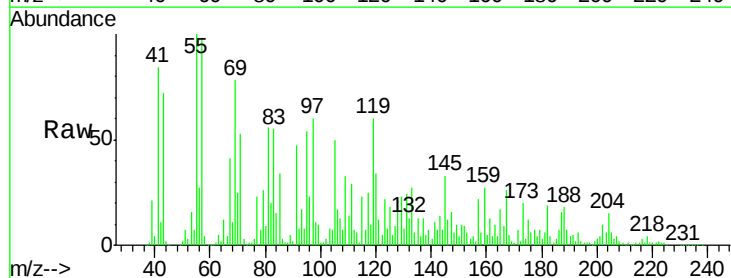
Instrument :
BNA_F
ClientSampleId :
23B-22

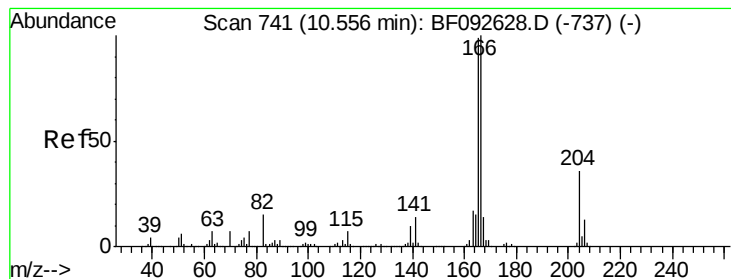
Tot Ion:139 Resp: 44205
Ion Ratio Lower Upper
139 100
109 241.0 52.2 92.2#
65 69.9 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 16.45 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion:165 Resp: 46607
Ion Ratio Lower Upper
165 100
63 27.4 40.2 60.4#
89 30.0 62.5 93.7#
182 111.9 1.8 2.8#





#57

Fluorene

Concen: 24.64 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampled :

23B-22

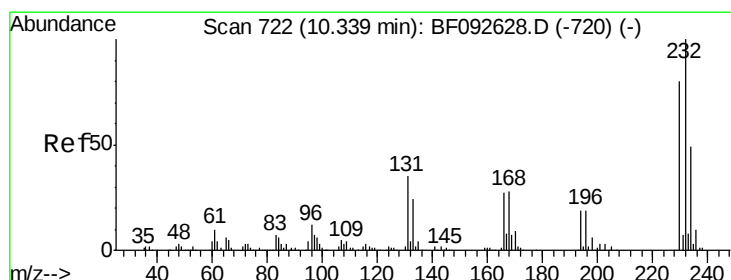
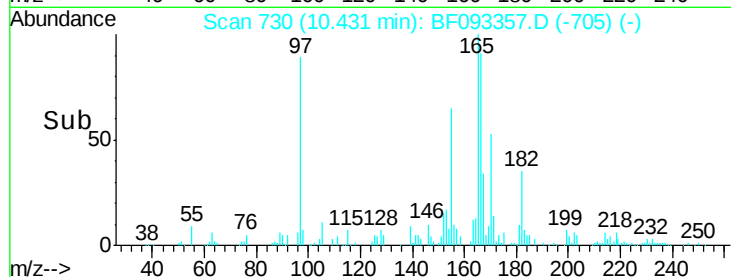
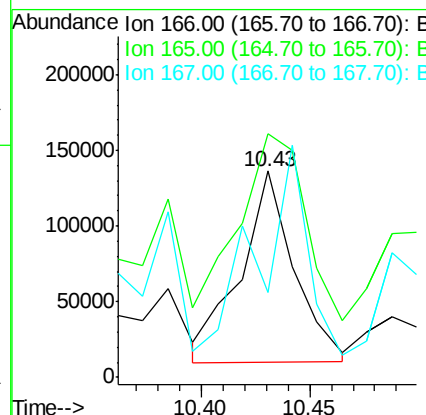
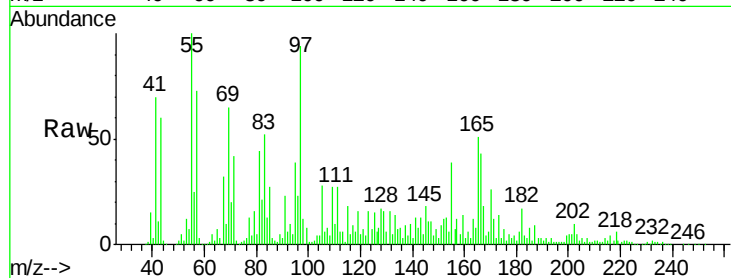
Tot Ion:166 Resp: 217027

Ion Ratio Lower Upper

166 100

165 118.0 77.8 116.8#

167 41.1 10.8 16.2#



#58

2,3,4,6-Tetrachlorophenol

Concen: 2.10 ng

RT: 10.19 min Scan# 709

Delta R.T. -0.03 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Tgt Ion:232 Resp: 4140

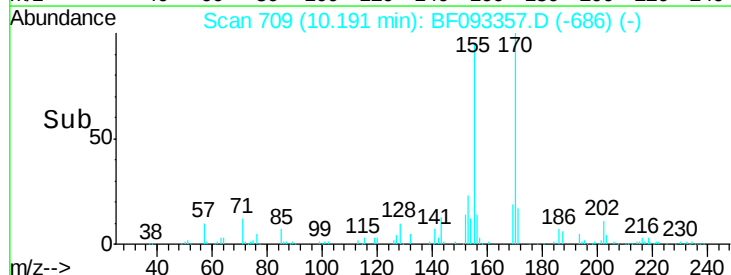
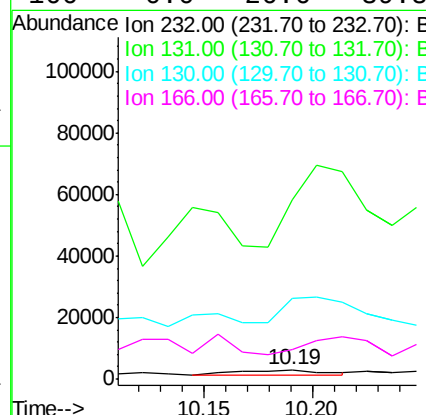
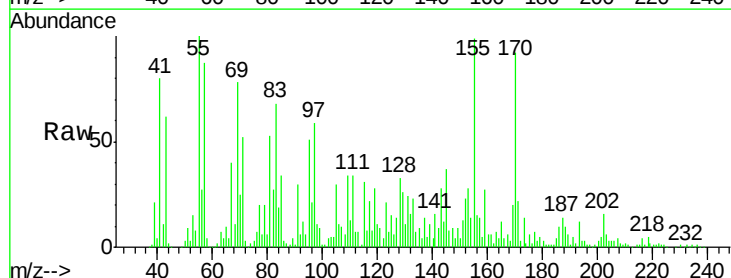
Ion Ratio Lower Upper

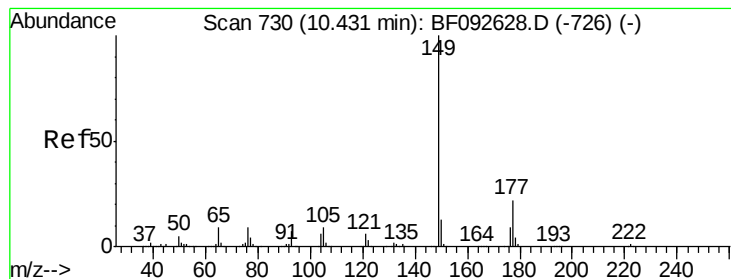
232 100

131 0.0 40.1 60.1#

130 0.0 1.8 2.8#

166 0.0 26.6 39.8#





#59

Diethylphthalate

Concen: 3.85 ng

RT: 10.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampled :

23B-22

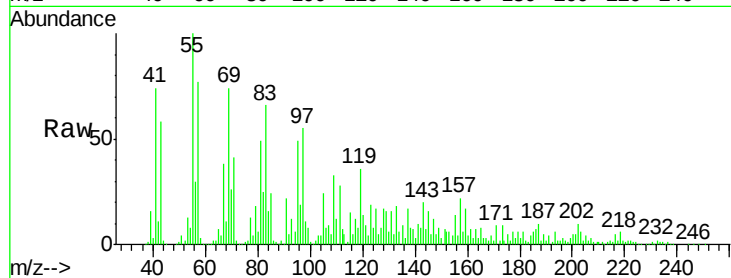
Tot Ion:149 Resp: 35752

Ion Ratio Lower Upper

149 100

177 76.6 16.6 25.0#

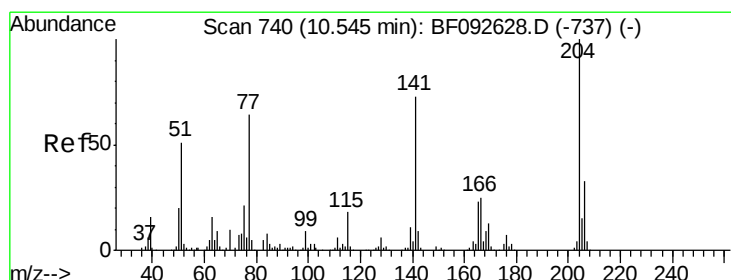
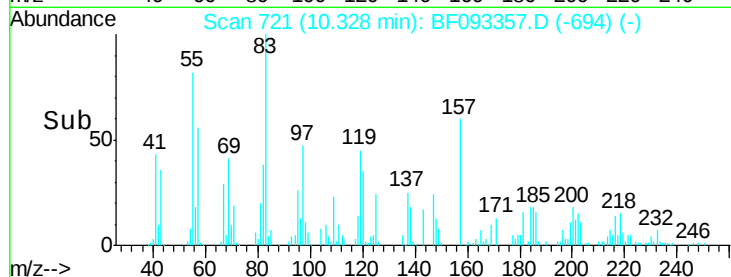
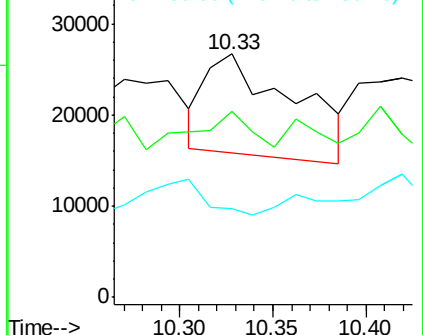
150 36.6 10.4 15.6#



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: 4.52 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.07 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

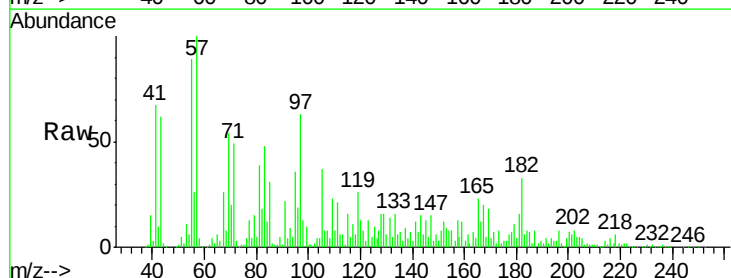
Tgt Ion:204 Resp: 19145

Ion Ratio Lower Upper

204 100

206 29.3 25.8 38.6

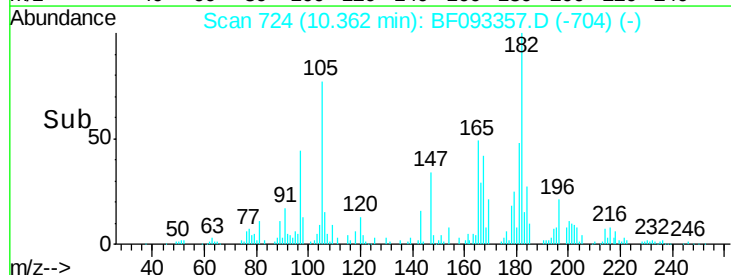
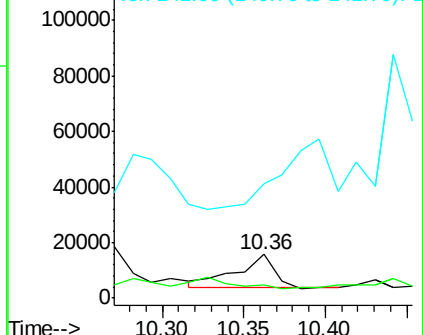
141 264.1 59.4 89.0#

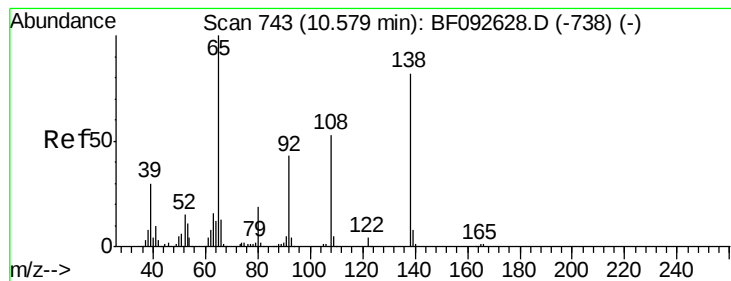


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 10.18 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.14 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

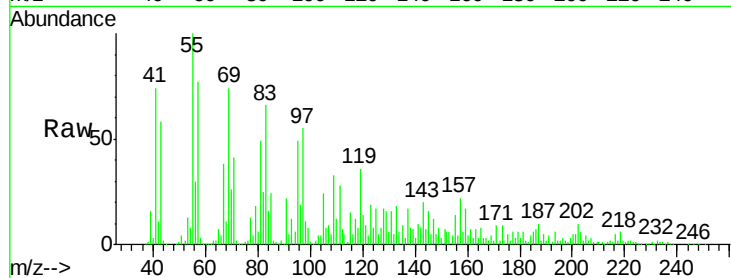
Tot Ion:138 Resp: 25390

Ion Ratio Lower Upper

138 100

92 57.5 31.7 71.7

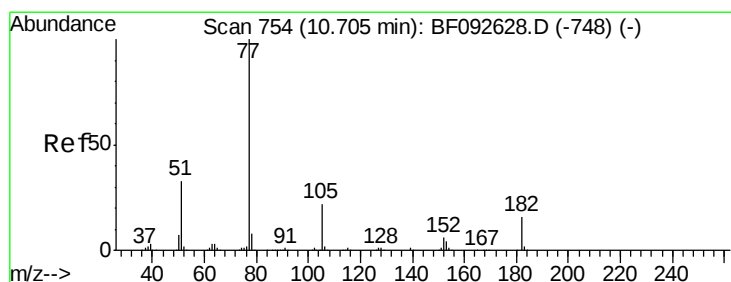
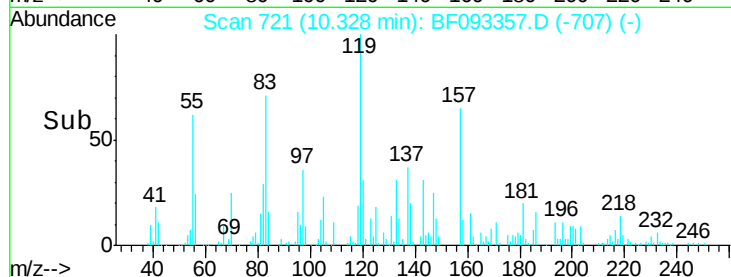
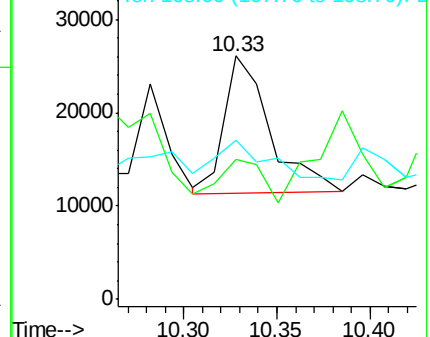
108 65.3 52.6 92.6



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: 8.75 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Tgt Ion: 77 Resp: 83925

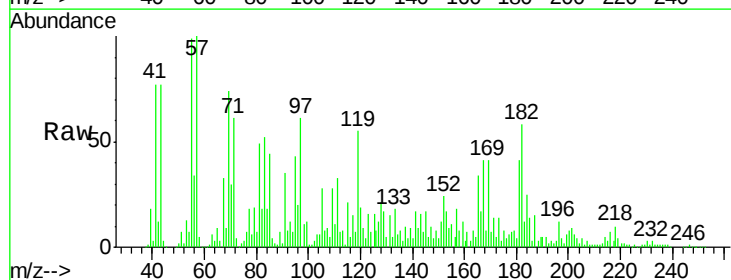
Ion Ratio Lower Upper

77 100

182 322.8 0.0 39.3#

105 152.6 2.3 42.3#

51 38.9 8.9 48.9

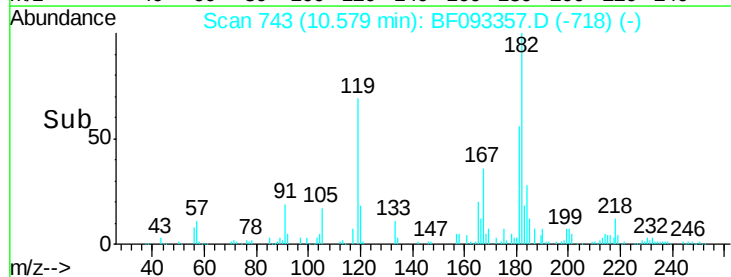
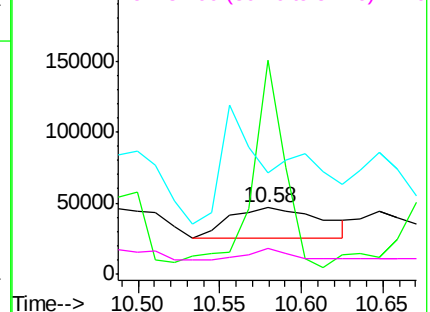


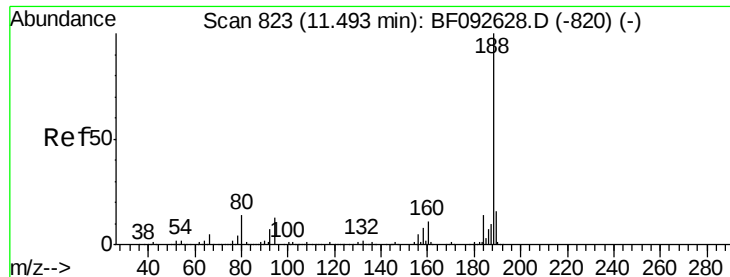
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

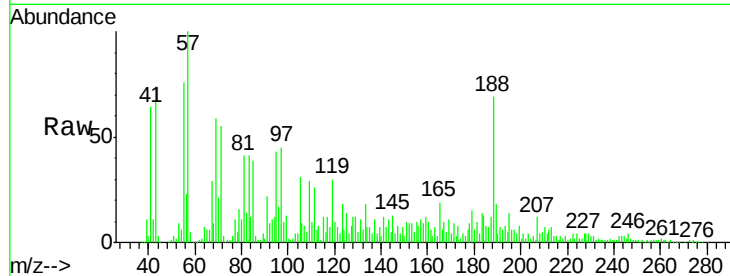
Tot Ion:188 Resp: 206927

Ion Ratio Lower Upper

188 100

94 17.2 10.0 15.0#

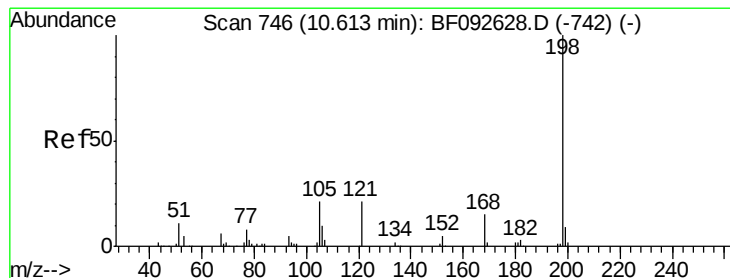
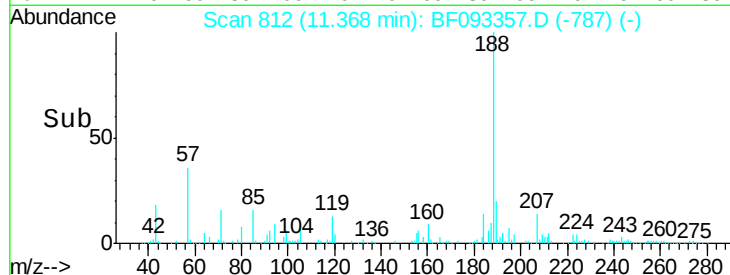
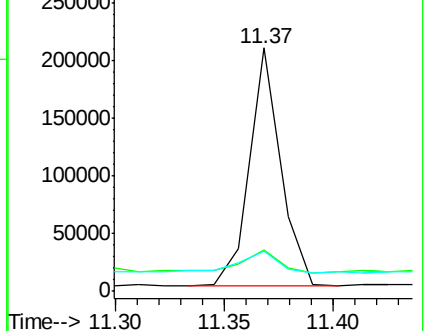
80 16.7 11.2 16.8



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: 9.20 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.02 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

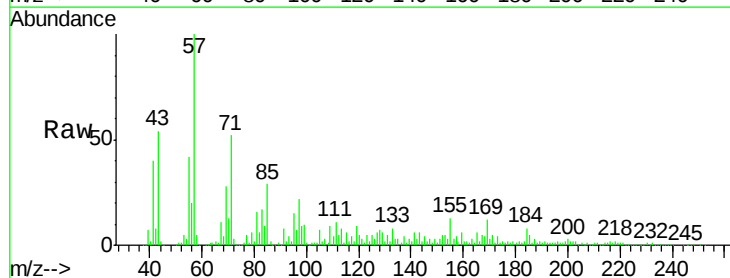
Tgt Ion:198 Resp: 8711

Ion Ratio Lower Upper

198 100

51 159.5 6.7 46.7#

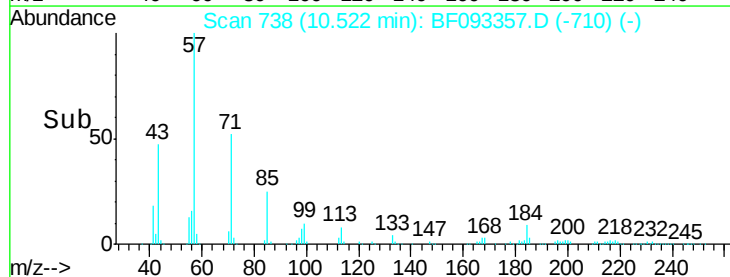
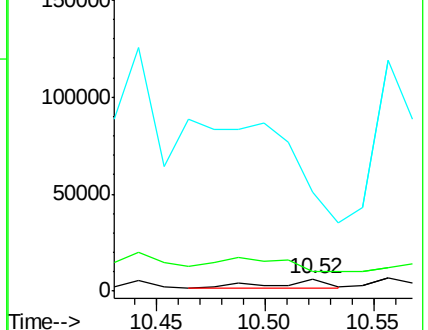
105 809.5 16.6 56.6#

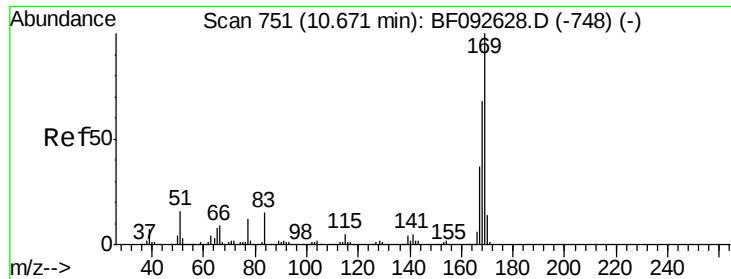


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 37.65 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

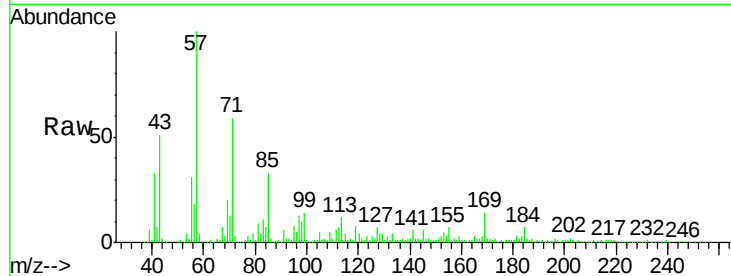
Tot Ion:169 Resp: 248877

Ion Ratio Lower Upper

169 100

168 19.3 54.2 81.2#

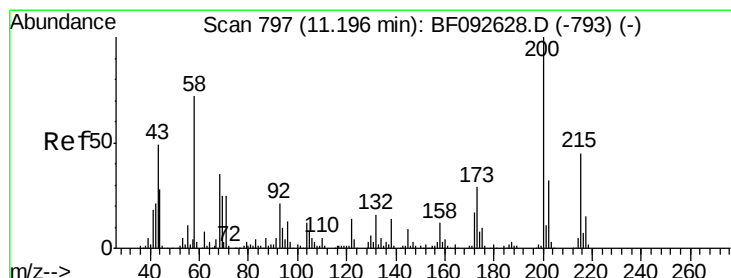
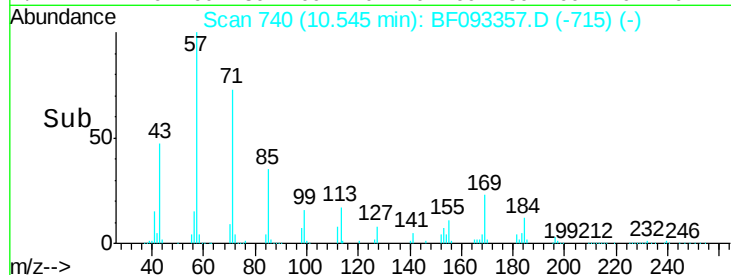
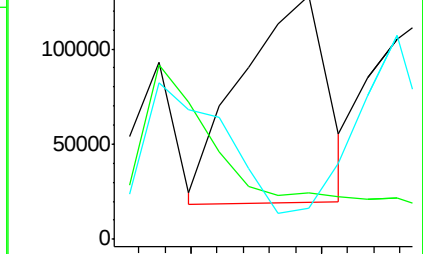
167 12.7 30.2 45.4#



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



#68

Atrazine

Concen: 9.67 ng

RT: 11.04 min Scan# 783

Delta R.T. -0.05 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

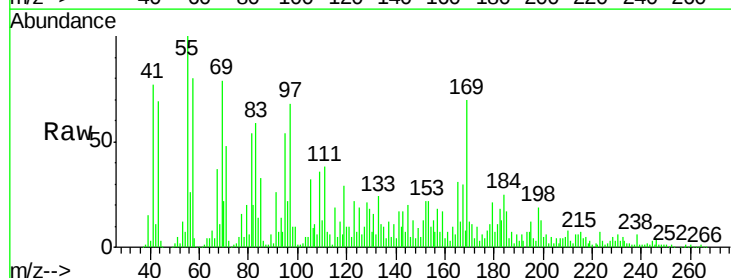
Tgt Ion:200 Resp: 20513

Ion Ratio Lower Upper

200 100

173 198.4 9.6 49.6#

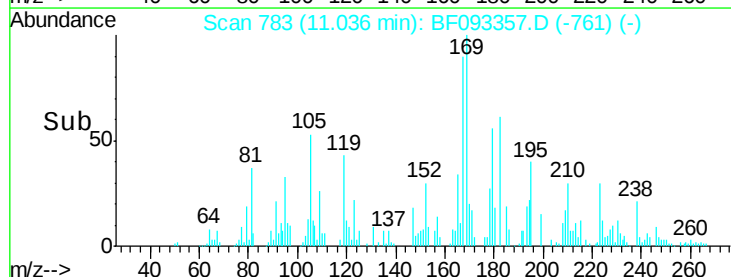
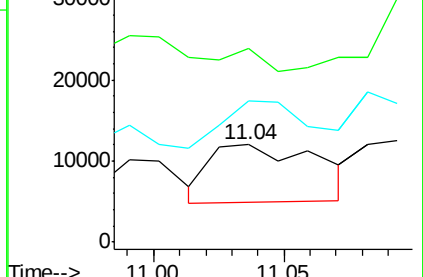
215 144.6 25.7 65.7#

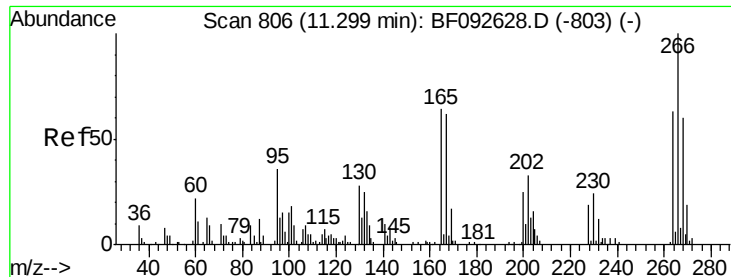


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

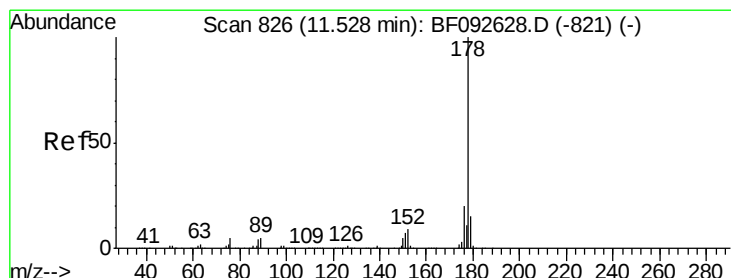
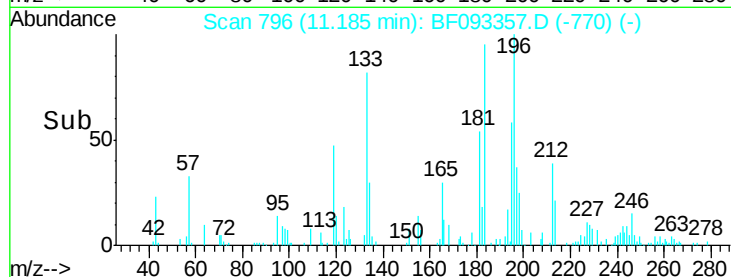
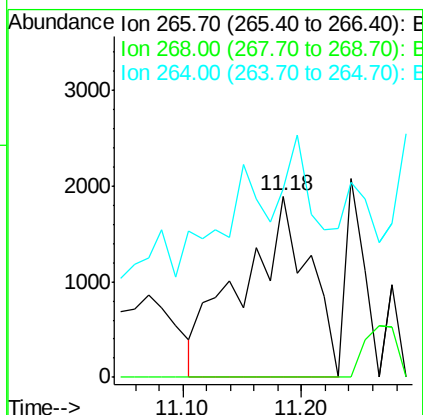
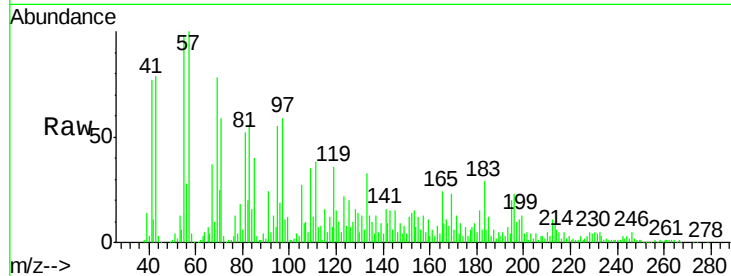




#69
 Pentachlorophenol
 Concen: 13.33 ng
 RT: 11.18 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

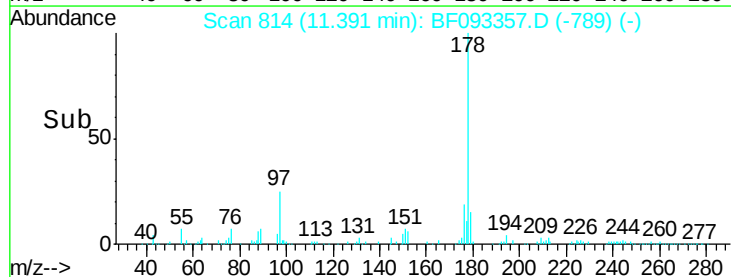
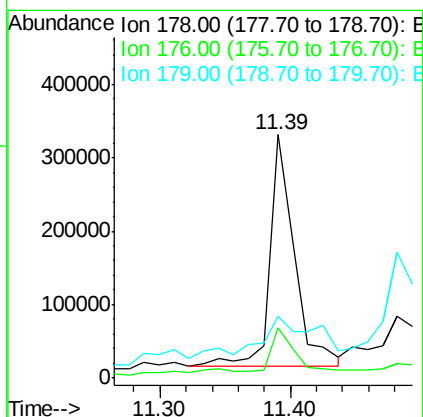
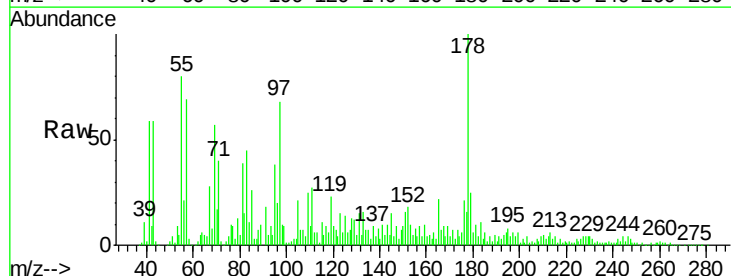
Instrument :
 BNA_F
 ClientSampled :
 23B-22

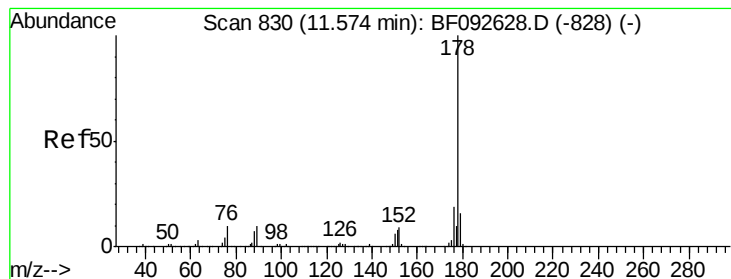
Tot Ion:266 Resp: 7430
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.3 79.9#
 264 104.0 50.3 75.5#



#70
 Phenanthrene
 Concen: 35.35 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

Tgt Ion:178 Resp: 419057
 Ion Ratio Lower Upper
 178 100
 176 20.6 16.6 25.0
 179 25.4 12.8 19.2#





#71

Anthracene

Concen: 12.67 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.02 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

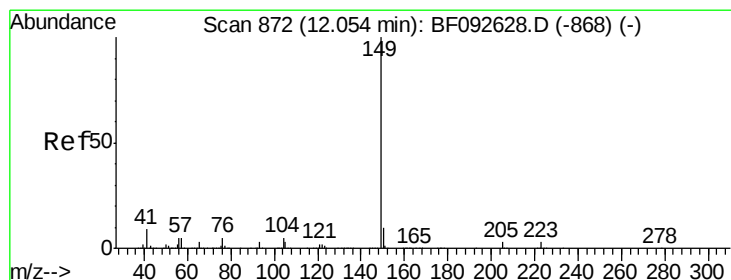
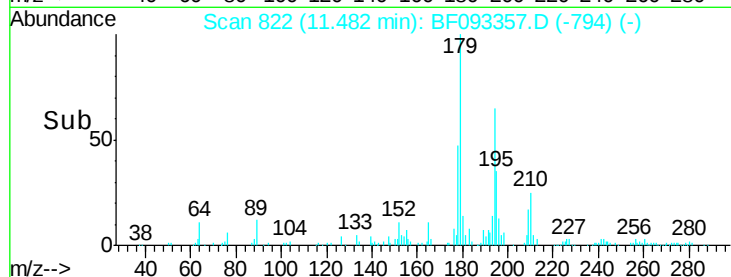
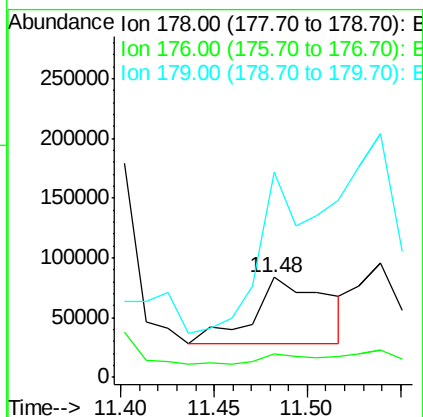
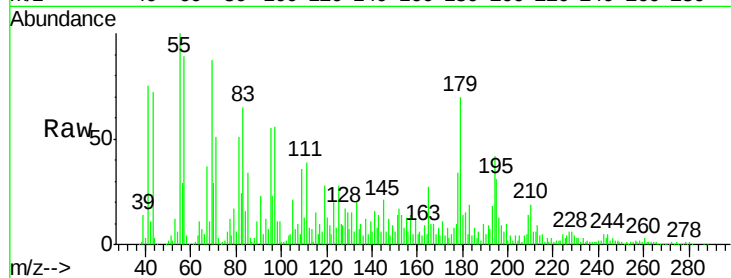
Tot Ion:178 Resp: 150808

Ion Ratio Lower Upper

178 100

176 23.0 15.9 23.9

179 205.2 13.2 19.8#



#73

Di-n-butylphthalate

Concen: 3.28 ng

RT: 11.91 min Scan# 859

Delta R.T. -0.03 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

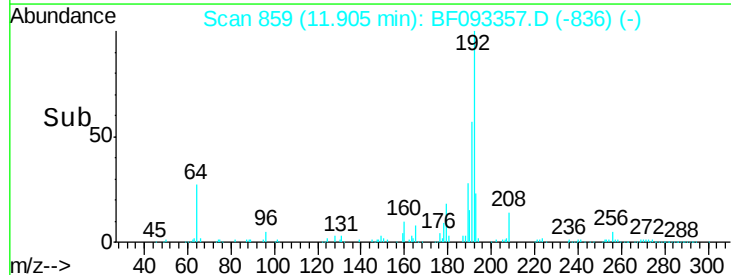
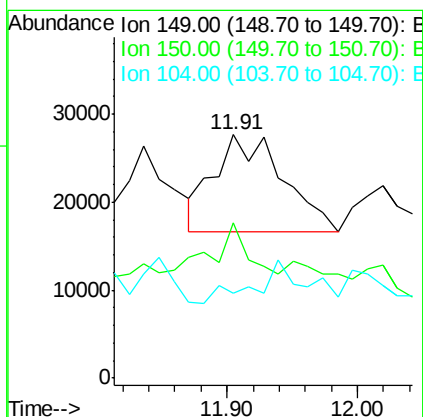
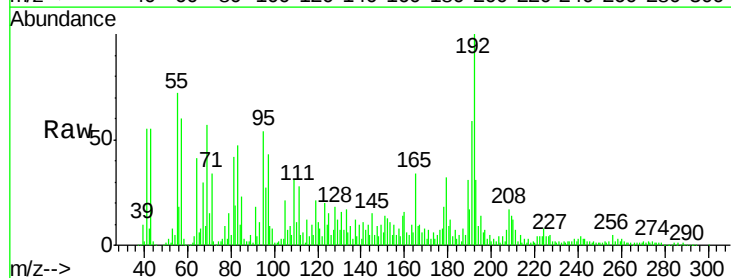
Tgt Ion:149 Resp: 40385

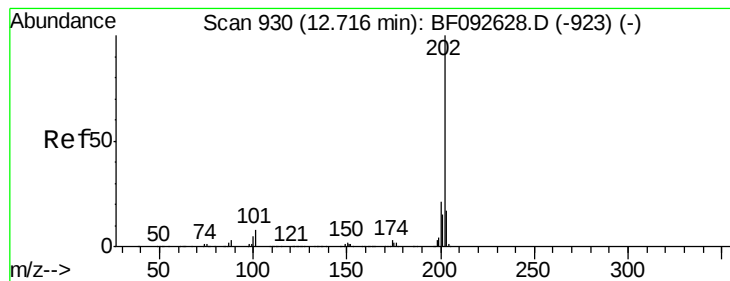
Ion Ratio Lower Upper

149 100

150 63.7 8.1 12.1#

104 34.9 4.6 7.0#





#74

Fluoranthene

Concen: 6.31 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.23 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

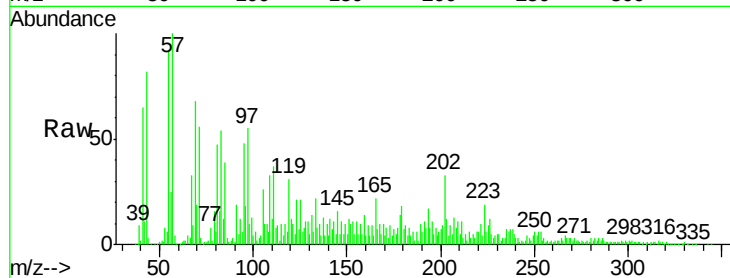
Tot Ion:202 Resp: 77128

Ion Ratio Lower Upper

202 100

101 17.9 0.0 34.6

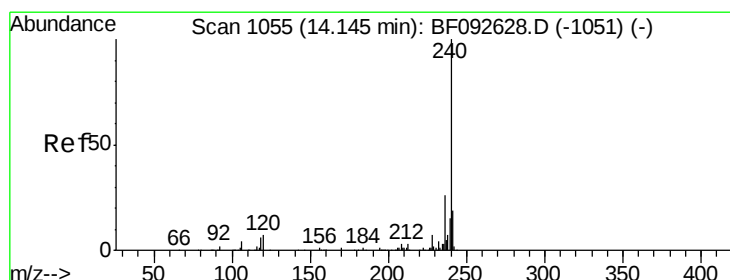
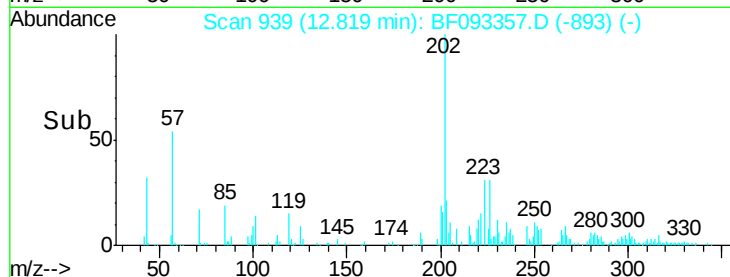
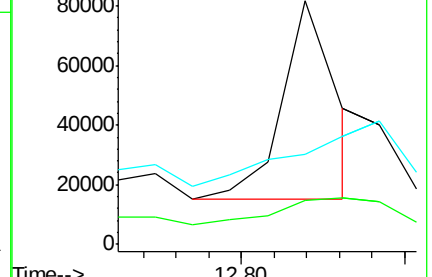
203 36.8 0.0 38.7



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: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

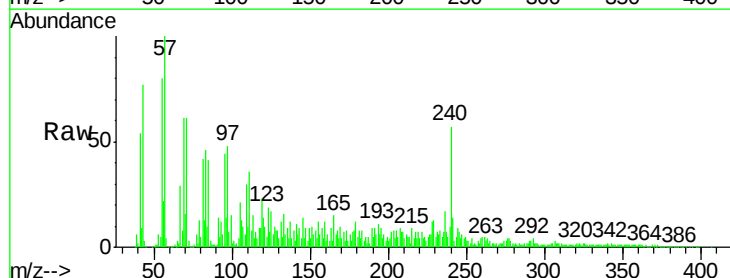
Tgt Ion:240 Resp: 169025

Ion Ratio Lower Upper

240 100

120 23.8 12.9 19.3#

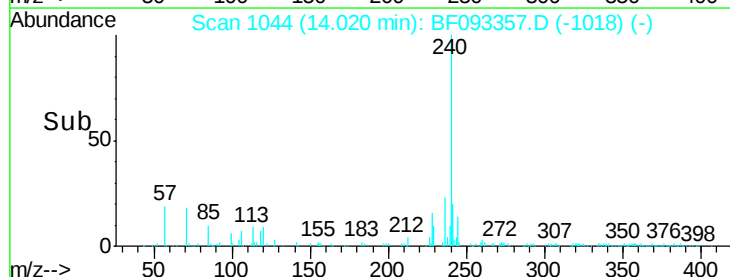
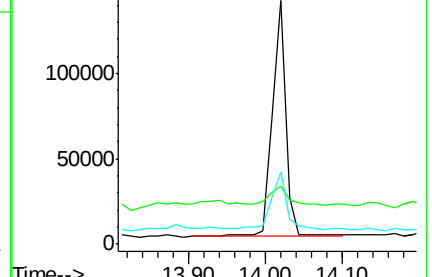
236 29.9 20.9 31.3

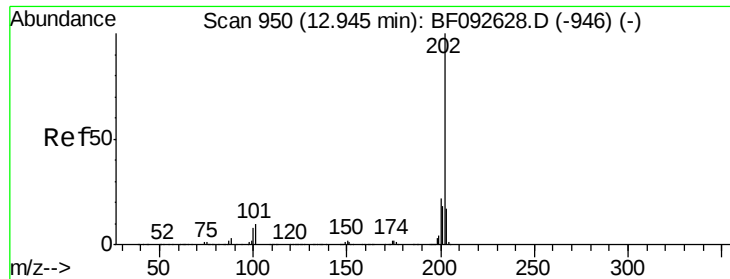


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.64 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

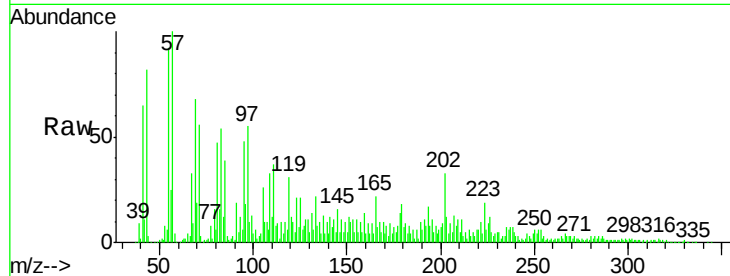
Tot Ion:202 Resp: 96637

Ion Ratio Lower Upper

202 100

200 22.5 17.7 26.5

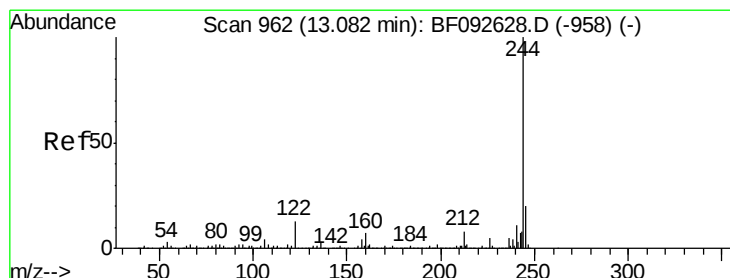
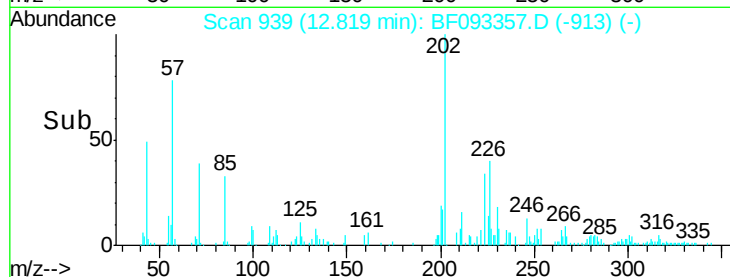
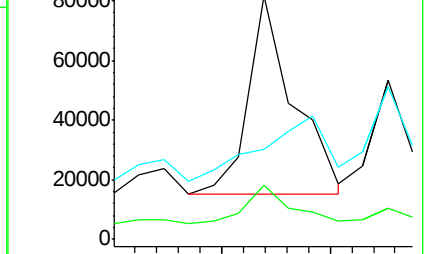
203 36.8 14.7 22.1#



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: 56.77 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

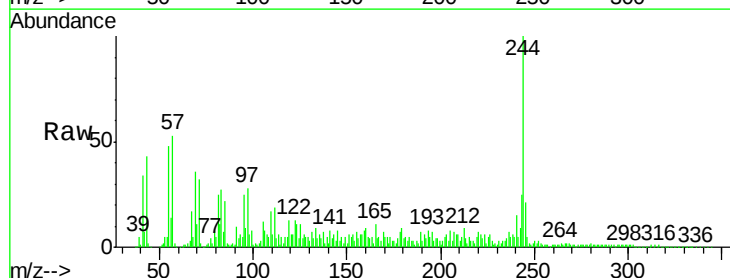
Tgt Ion:244 Resp: 408348

Ion Ratio Lower Upper

244 100

212 8.7 6.2 9.2

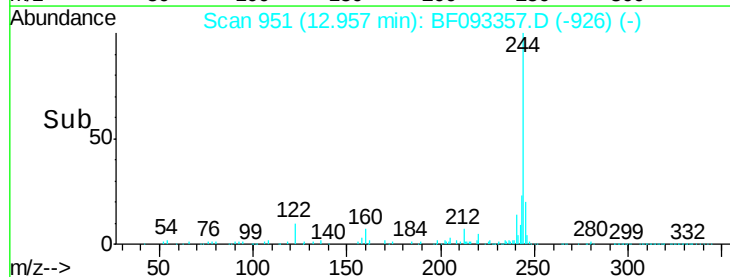
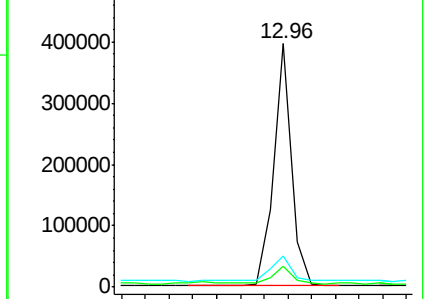
122 12.6 11.4 17.2

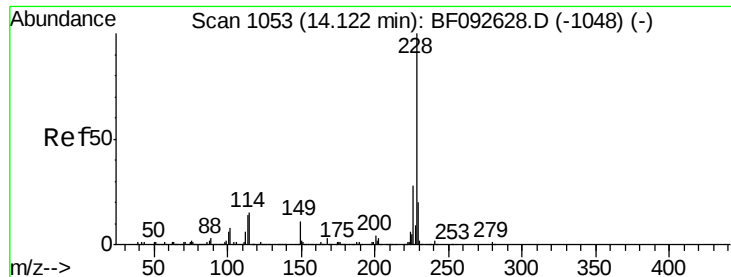


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 12.43 ng

RT: 14.03 min Scan# 1045

Delta R.T. 0.02 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

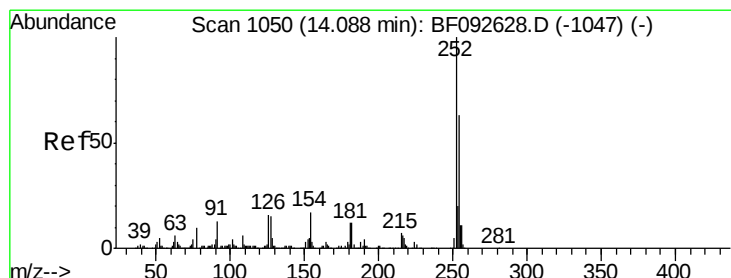
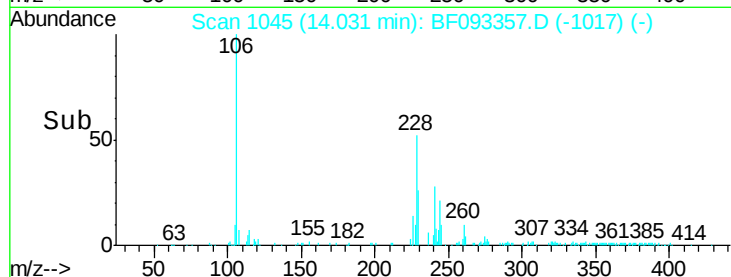
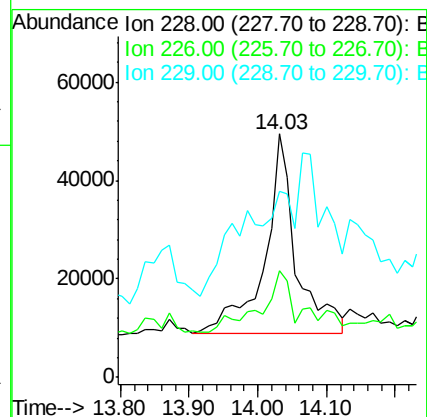
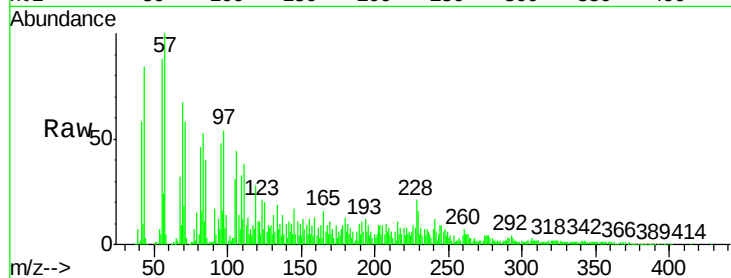
Tot Ion:228 Resp: 128448

Ion Ratio Lower Upper

228 100

226 43.8 22.4 33.6#

229 76.3 16.2 24.4#



#81

3,3'-Dichlorobenzidine

Concen: 2.36 ng

RT: 14.00 min Scan# 1042

Delta R.T. 0.02 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

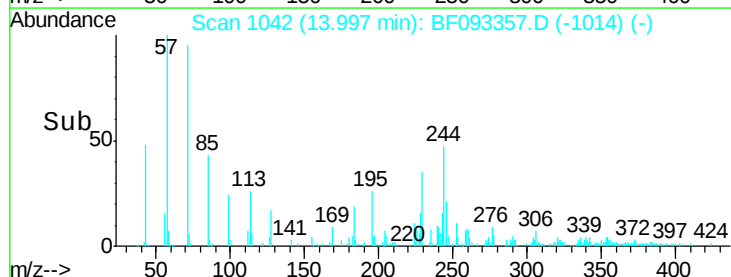
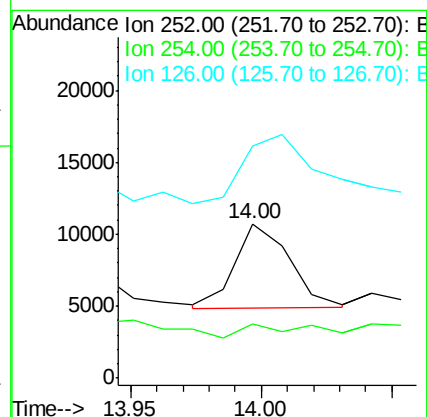
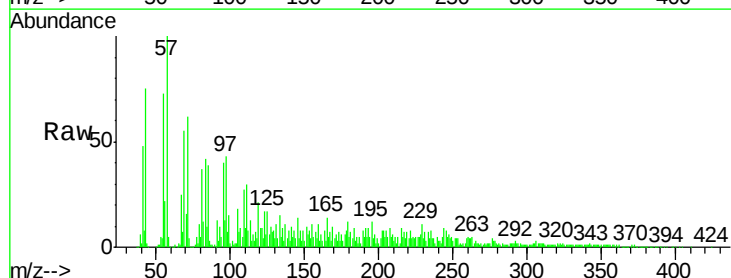
Tgt Ion:252 Resp: 8703

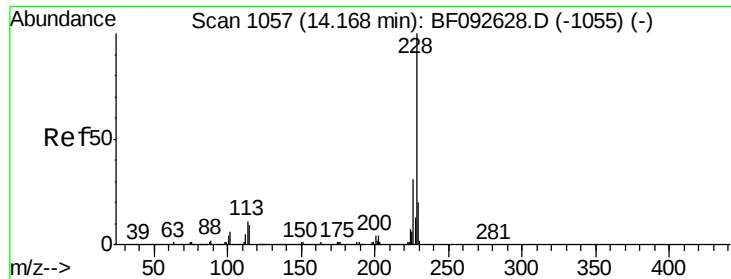
Ion Ratio Lower Upper

252 100

254 34.8 52.3 78.5#

126 150.2 13.6 20.4#





#82

Chrysene

Concen: 13.27 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampled :

23B-22

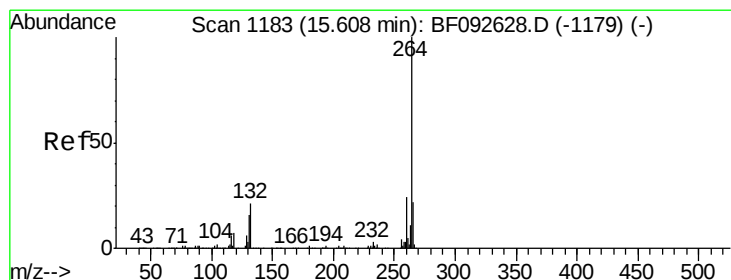
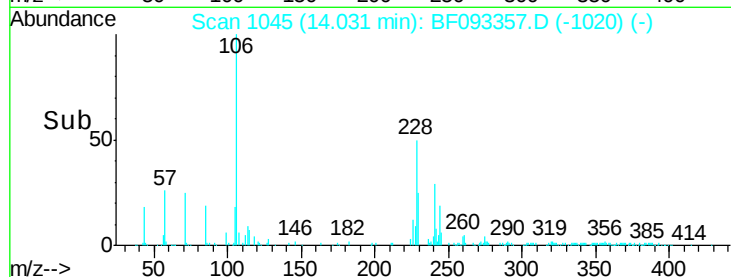
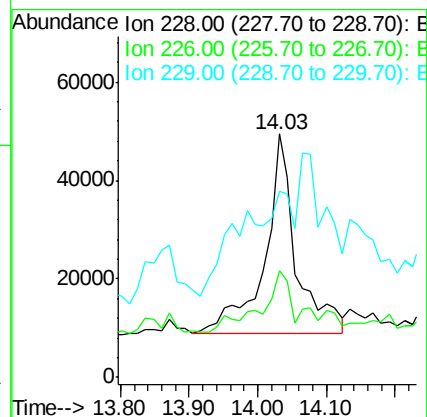
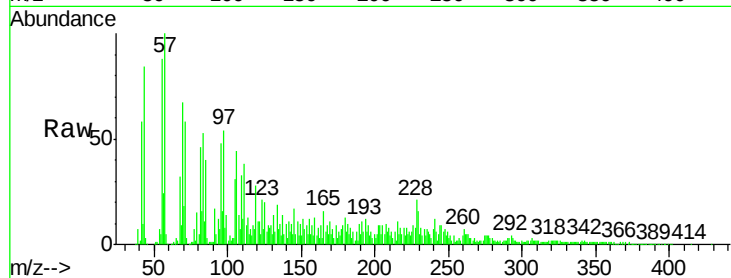
Tot Ion:228 Resp: 128448

Ion Ratio Lower Upper

228 100

226 43.8 25.4 38.0#

229 76.3 16.2 24.2#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1171

Delta R.T. 0.02 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

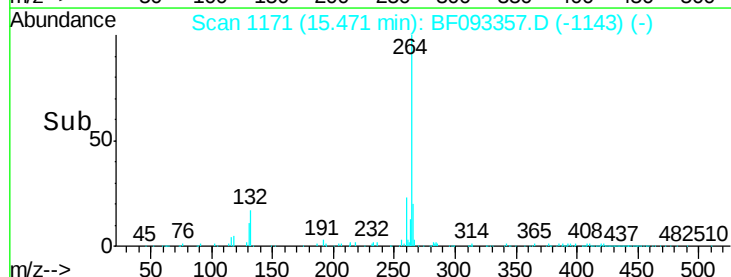
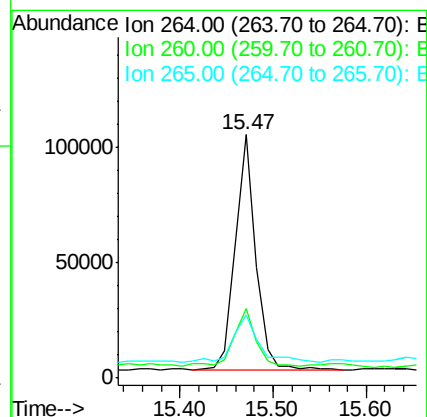
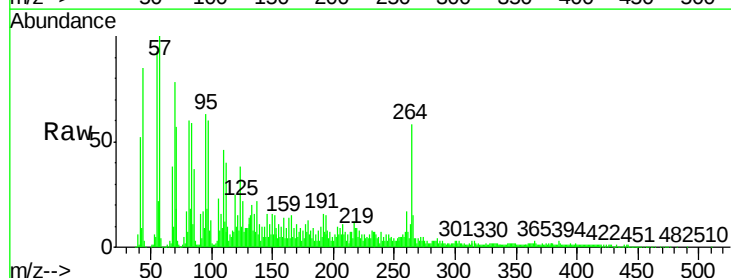
Tgt Ion:264 Resp: 158705

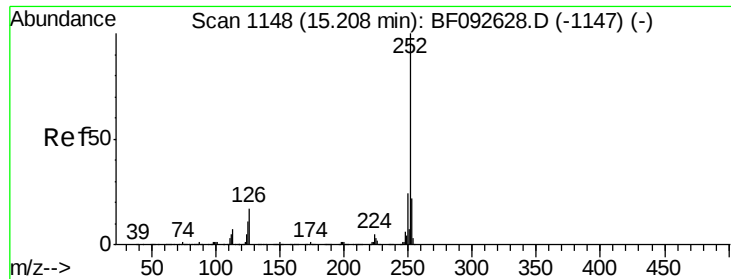
Ion Ratio Lower Upper

264 100

260 28.5 19.2 28.8

265 25.8 17.4 26.0





#88

Benzo(k)fluoranthene

Concen: 2.03 ng

RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BF093357.D

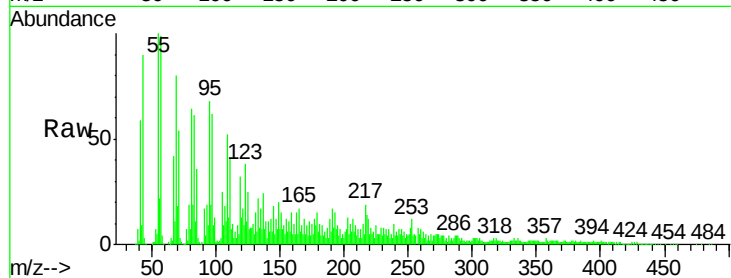
Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22



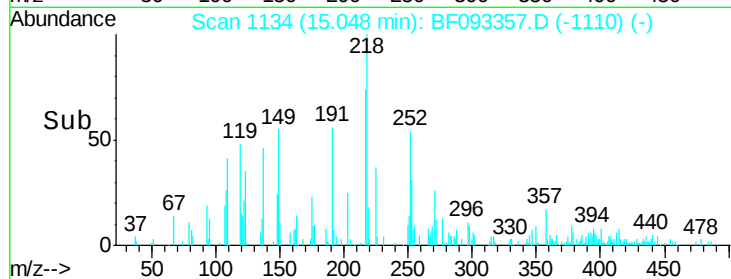
Tot Ion: 252 Resp: 18275

Ion Ratio Lower Upper

252 100

253 165.3 18.5 27.7#

125 335.7 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

