

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093582.D
 Acq On : 11 Mar 2017 22:05
 Operator : SJ/MA
 Sample : I2106-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 16:53:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	170057	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	400401	20.00	ng	0.01
38) Acenaphthene-d10	9.78	164	159412	20.00	ng	0.02
63) Phenanthrene-d10	11.27	188	279290	20.00	ng	0.02
75) Chrysene-d12	13.88	240	329505	20.00	ng	-0.01
86) Perylene-d12	15.28	264	293284	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	996649	97.54	ng	0.00
7) Phenol-d6	6.38	99	1257767	97.62	ng	0.00
23) Nitrobenzene-d5	7.30	82	715069	99.09	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	94818	91.29	ng	0.03
44) 2-Fluorobiphenyl	9.11	172	747619	87.23	ng	0.02
78) Terphenyl-d14	12.82	244	612504	48.33	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.40	94	93348	5.91	ng	87
15) Benzyl Alcohol	6.88	79	29157	3.17	ng	# 40
18) Hexachloroethane	7.29	117	407968	90.17	ng	# 4
19) n-Nitroso-di-n-propylamine	7.14	70	111080	12.54	ng	# 67
22) Acetophenone	7.06	105	212060	22.01	ng	# 60
24) Nitrobenzene	7.30	77	33761	4.16	ng	# 57
25) Isophorone	7.53	82	270820	18.61	ng	# 1
26) 2-Nitrophenol	7.68	139	65528	17.71	ng	# 1
27) 2,4-Dimethylphenol	7.66	122	39778	6.61	ng	# 1
28) bis(2-Chloroethoxy)methane	7.81	93	68542	7.46	ng	# 1
29) 2,4-Dichlorophenol	7.86	162	39030	6.89	ng	# 1
30) 1,2,4-Trichlorobenzene	7.93	180	19349	3.21	ng	# 68
31) Naphthalene	8.07	128	161834	8.07	ng	# 1
32) Benzoic acid	7.81	122	29477	9.42	ng	# 34
33) 4-Chloroaniline	8.07	127	47561	5.84	ng	# 1
35) Caprolactam	8.46	113	285743	147.74	ng	# 1
36) 4-Chloro-3-methylphenol	8.66	107	41229	6.82	ng	# 33
37) 2-Methylnaphthalene	8.66	142	31142	2.44	ng	# 1
42) 2,4,6-Trichlorophenol	9.02	196	25024	9.20	ng	# 9
43) 2,4,5-Trichlorophenol	9.02	196	25024	8.58	ng	# 1
47) 2-Nitroaniline	9.33	65	13929	4.43	ng	# 14
48) Acenaphthylene	9.66	152	104599	7.13	ng	# 1
49) Dimethylphthalate	9.51	163	58537	5.54	ng	# 14
50) 2,6-Dinitrotoluene	9.56	165	30055	12.96	ng	# 72
51) Acenaphthene	9.82	154	202190	23.32	ng	# 77
52) 3-Nitroaniline	9.74	138	35151	12.62	ng	# 37
53) 2,4-Dinitrophenol	9.86	184	10816	10.24	ng	# 1
54) Dibenzofuran	10.00	168	165178	15.22	ng	# 1
55) 4-Nitrophenol	10.00	139	124852	92.26	ng	# 53
56) 2,4-Dinitrotoluene	10.00	165	29010	10.18	ng	# 54
57) Fluorene	10.34	166	408962	44.48	ng	# 81
58) 2,3,4,6-Tetrachlorophenol	10.09	232	4926	2.39	ng	# 35
60) 4-Chlorophenyl-phenylether	10.28	204	22466	5.45	ng	# 1
61) 4-Nitroaniline	10.24	138	26405	9.27	ng	88

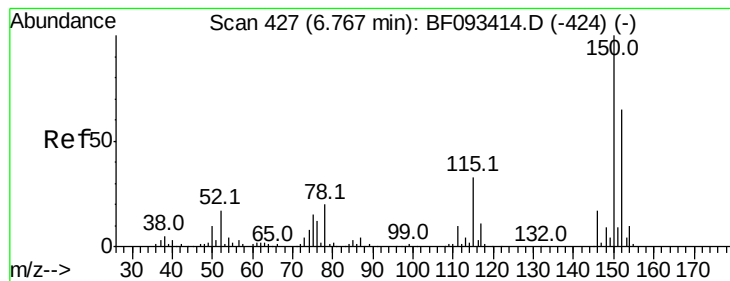
Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093582.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Azobenzene	10.50	77	84912	7.40	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.40	198	3728	2.06	ng	# 1
65) n-Nitrosodiphenylamine	10.46	169	652801	70.00	ng	# 56
68) Atrazine	10.98	200	47354	17.35	ng	# 1
69) Pentachlorophenol	11.11	266	6984	7.17	ng	# 46
70) Phenanthrene	11.29	178	1057700	66.35	ng	# 94
71) Anthracene	11.38	178	261734	16.23	ng	# 1
74) Fluoranthene	12.47	202	159593	10.36	ng	# 93
80) Benzo(a)anthracene	13.88	228	86008	4.42	ng	# 81
82) Chrysene	13.88	228	86008	4.78	ng	# 86
87) Benzo(b)fluoranthene	14.89	252	51209	2.87	ng	# 56
88) Benzo(k)fluoranthene	14.89	252	51209	2.97	ng	# 56

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

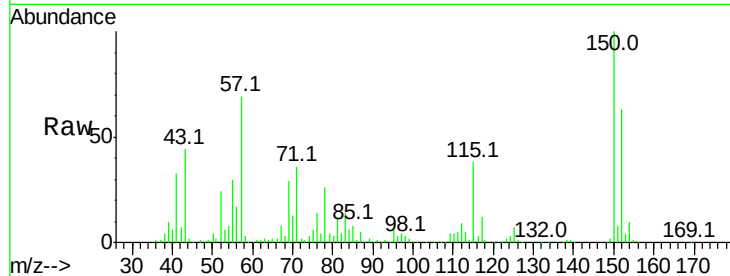
Tot Ion:152 Resp: 170057

Ion Ratio Lower Upper

152 100

150 158.1 124.9 187.3

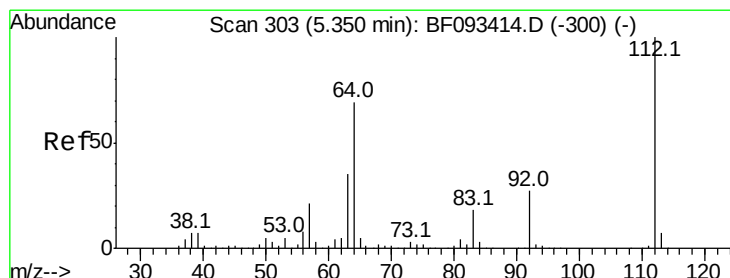
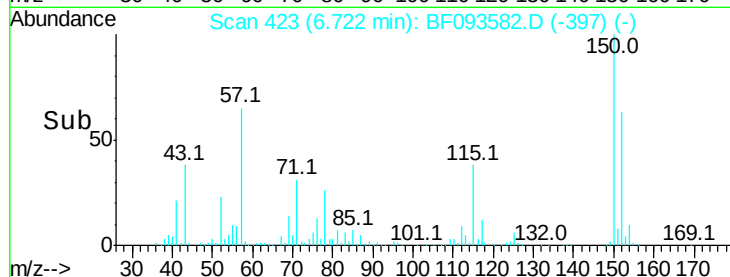
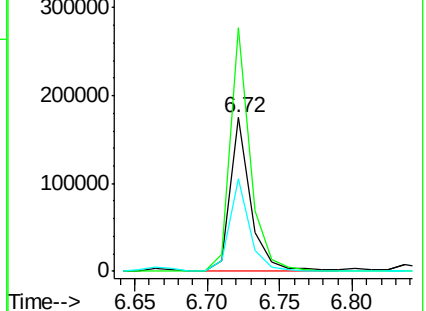
115 60.3 46.0 69.0



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



#5

2-Fluorophenol

Concen: 97.54 ng

RT: 5.32 min Scan# 300

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

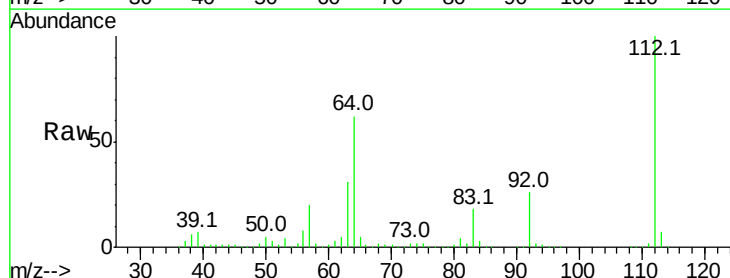
Tgt Ion:112 Resp: 996649

Ion Ratio Lower Upper

112 100

64 62.3 46.1 69.1

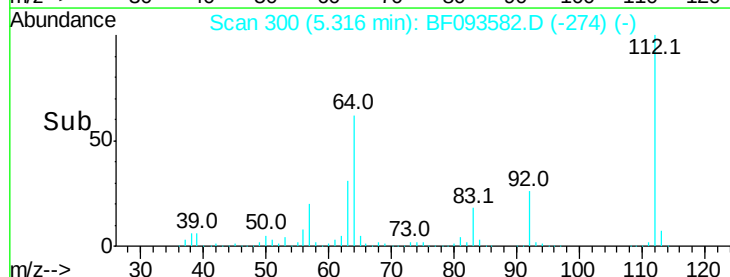
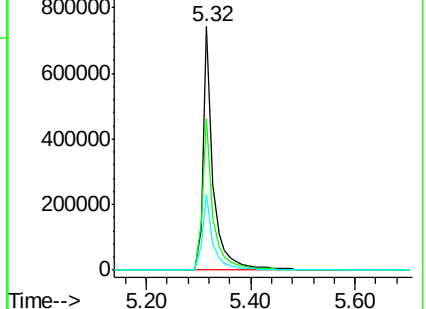
63 31.1 23.8 35.6

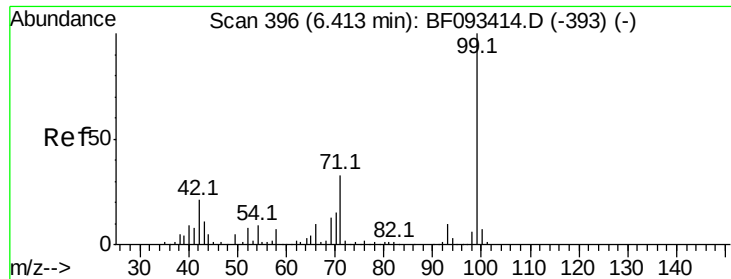


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.62 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampled :

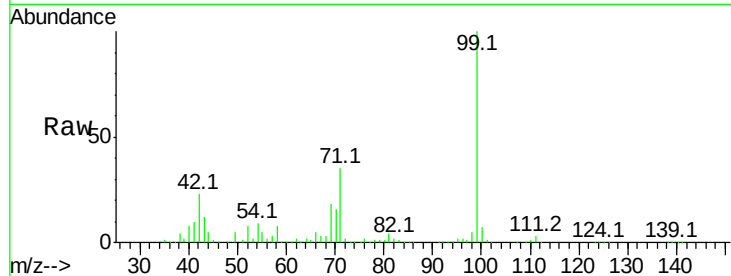
Tot Ion: 99 Resp: 1257767

Ion Ratio Lower Upper

99 100

42 22.5 15.6 23.4

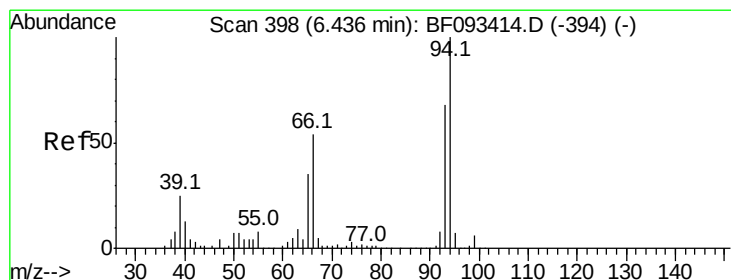
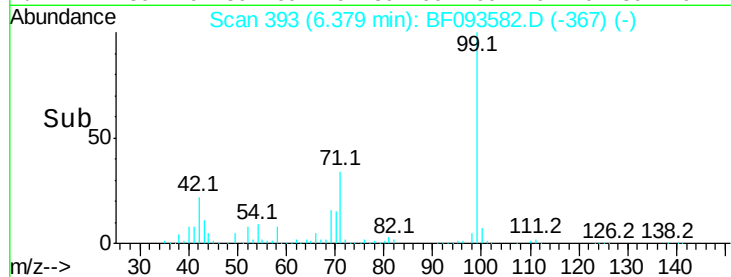
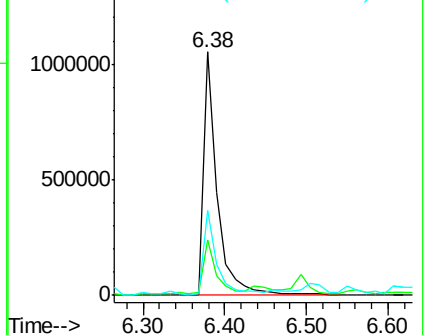
71 34.6 27.5 41.3



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: 5.91 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

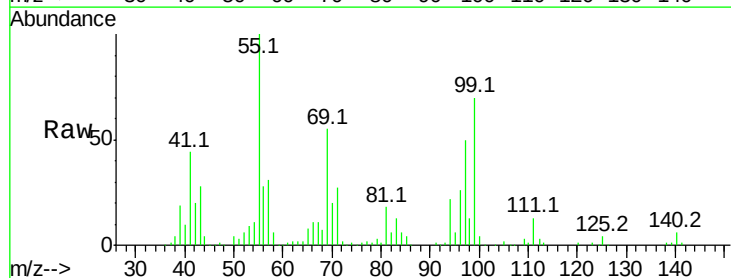
Tgt Ion: 94 Resp: 93348

Ion Ratio Lower Upper

94 100

65 37.5 21.4 61.4

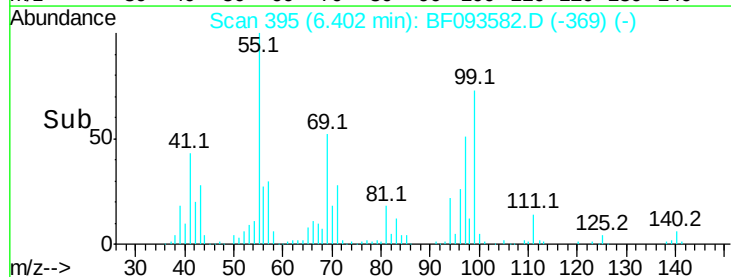
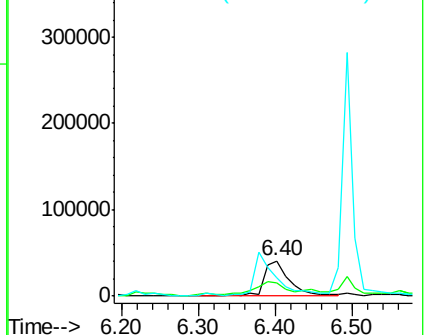
66 50.3 44.0 84.0

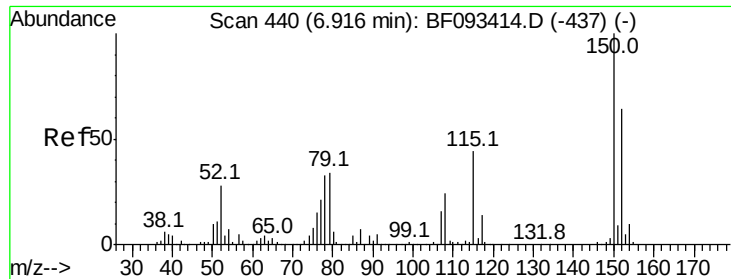


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 3.17 ng

RT: 6.88 min Scan# 437

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampled :

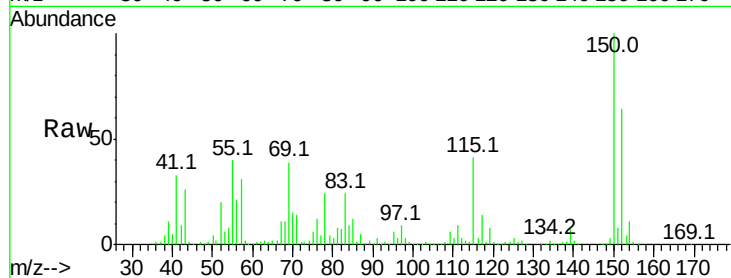
Tot Ion: 79 Resp: 29157

Ion Ratio Lower Upper

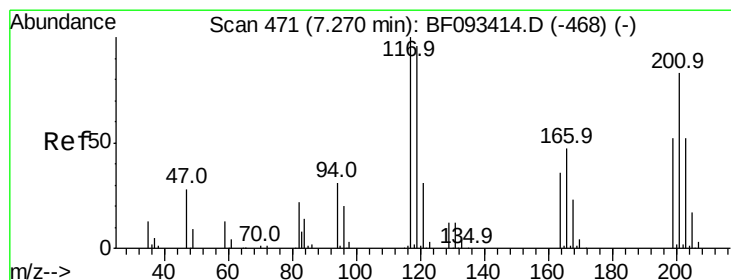
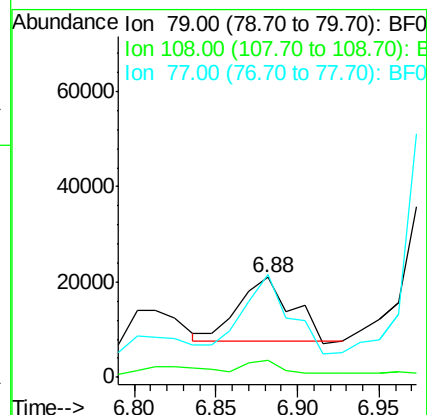
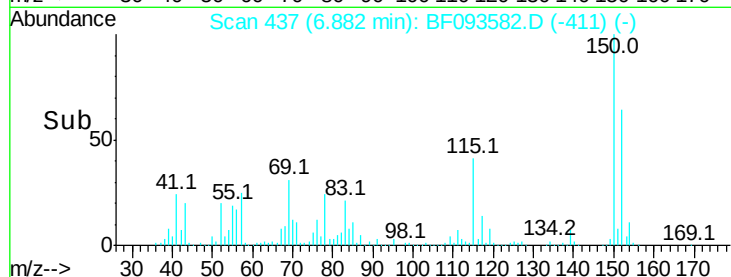
79 100

108 17.4 61.4 92.0#

77 102.9 50.9 76.3#



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



#18

Hexachloroethane

Concen: 90.17 ng

RT: 7.29 min Scan# 473

Delta R.T. 0.07 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

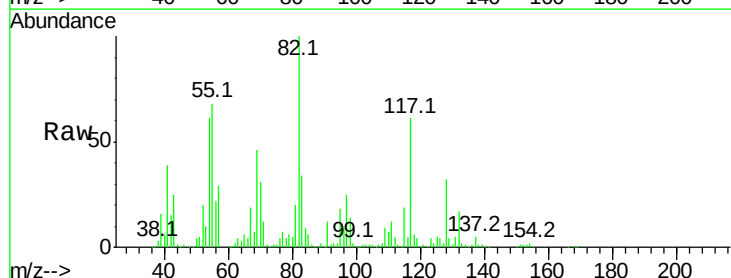
Tgt Ion: 117 Resp: 407968

Ion Ratio Lower Upper

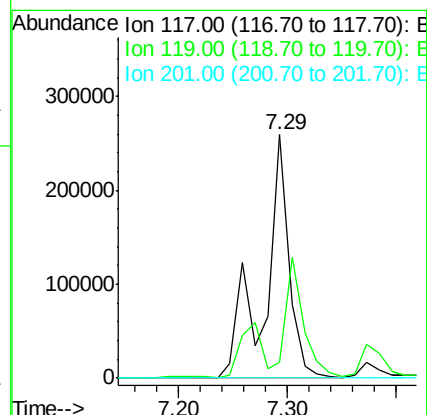
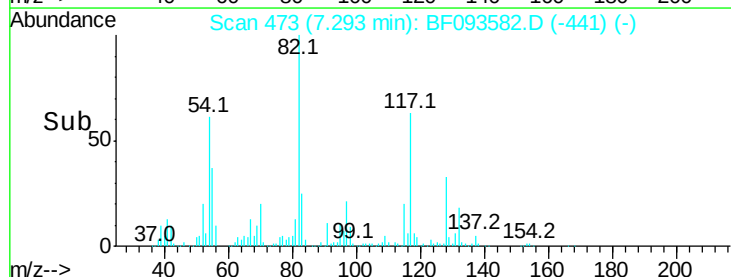
117 100

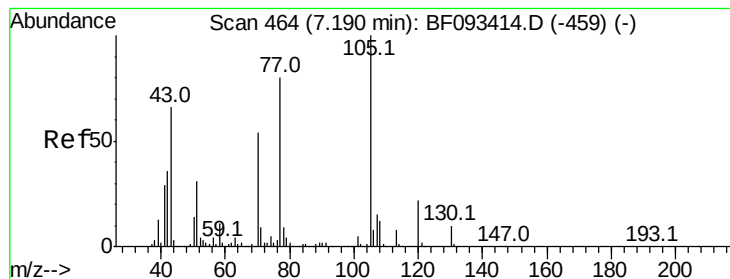
119 6.7 78.1 117.1#

201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 12.54 ng

RT: 7.14 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 111080

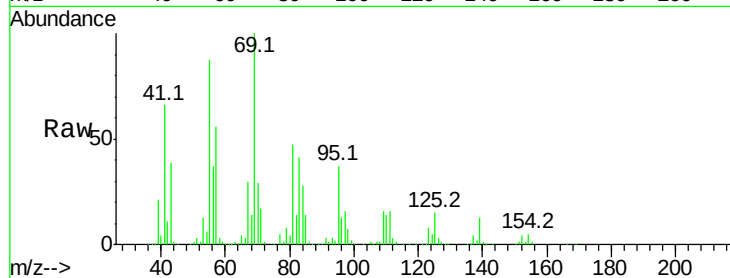
Ion Ratio Lower Upper

70 100

42 37.5 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#

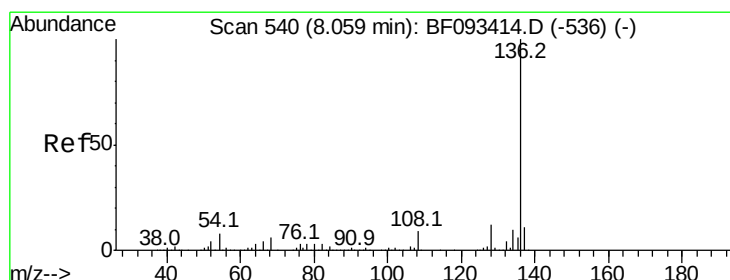
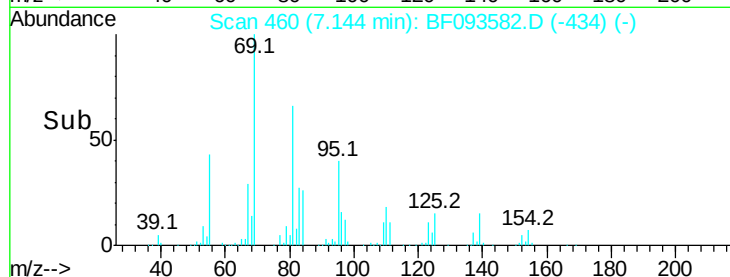
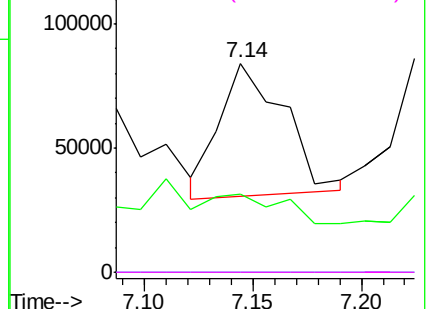


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Tgt Ion:136 Resp: 400401

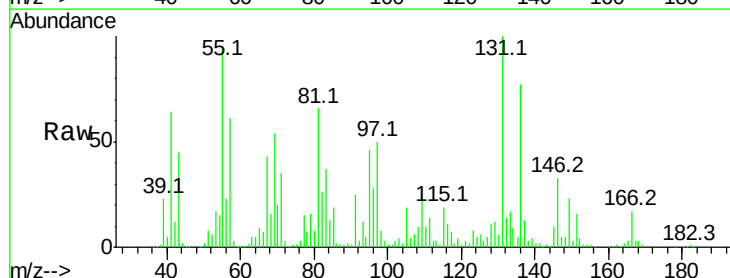
Ion Ratio Lower Upper

136 100

137 16.7 8.4 12.6#

54 20.0 4.5 6.7#

68 20.6 3.6 5.4#

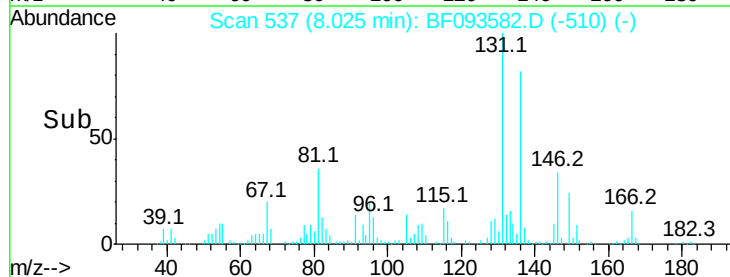
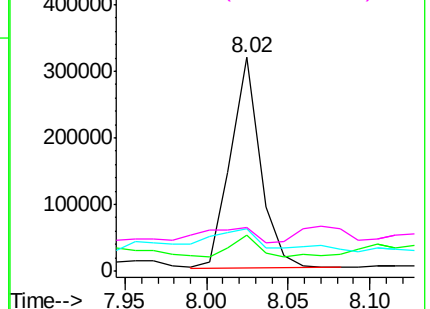


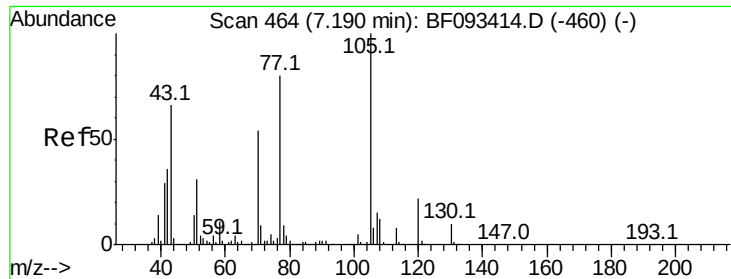
Abundance Ion 136.00 (135.70 to 136.70): E

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: 22.01 ng

RT: 7.06 min Scan# 453

Delta R.T. -0.08 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 212060

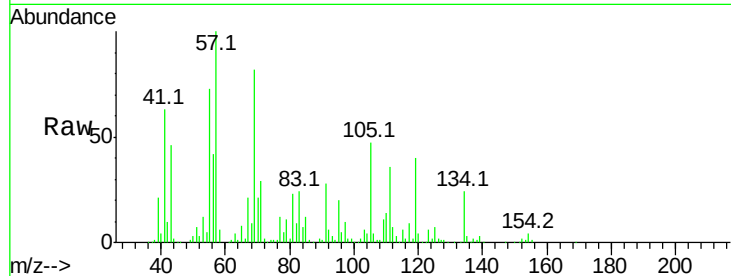
Ion Ratio Lower Upper

105 100

71 62.2 3.2 4.8#

51 15.3 26.2 39.4#

120 8.4 16.6 24.8#

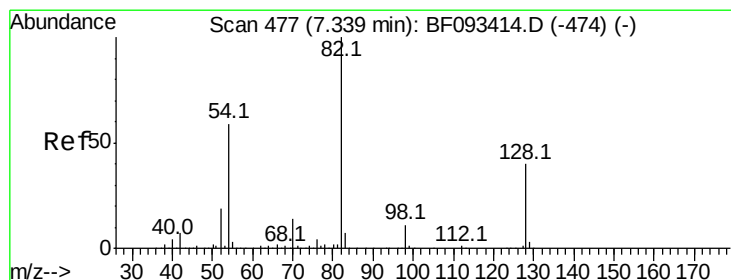
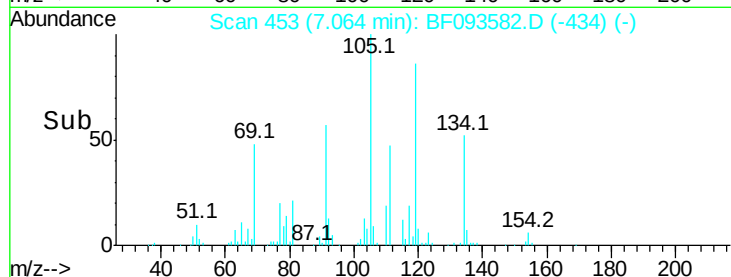
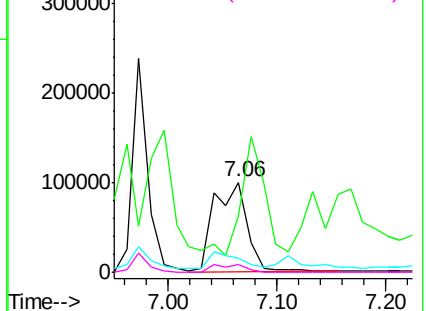


Abundance Ion 105.00 (104.70 to 105.70): E

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: 99.09 ng

RT: 7.30 min Scan# 474

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

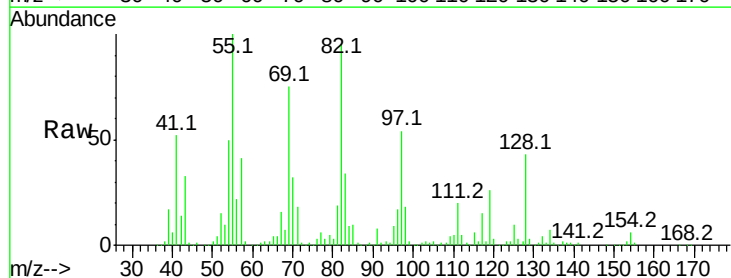
Tgt Ion: 82 Resp: 715069

Ion Ratio Lower Upper

82 100

128 45.5 34.6 52.0

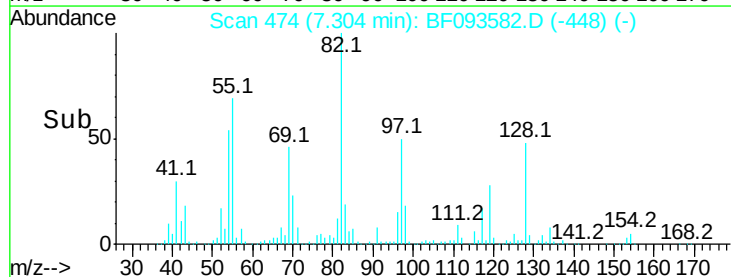
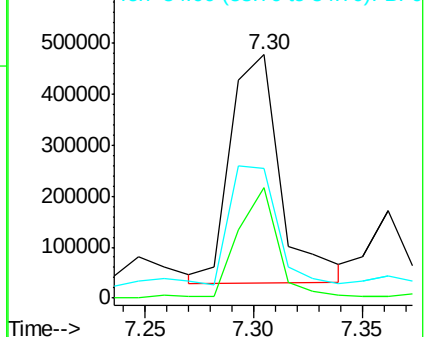
54 53.0 39.5 59.3

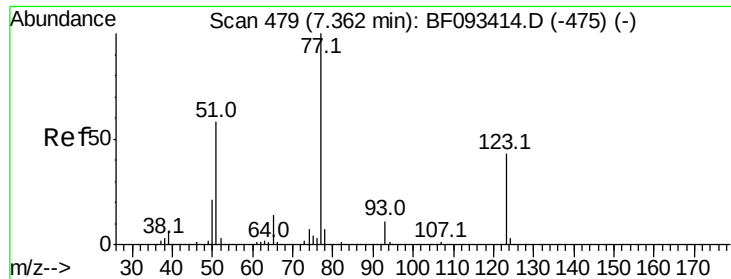


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 4.16 ng

RT: 7.30 min Scan# 474

Delta R.T. -0.01 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampled :

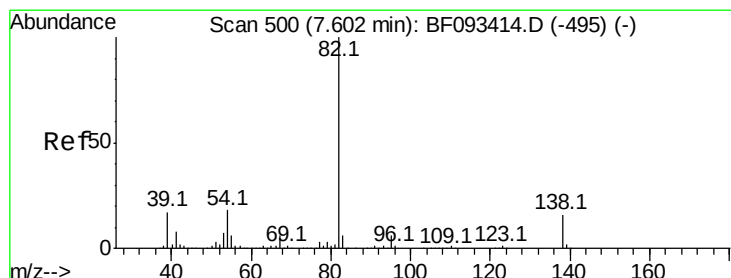
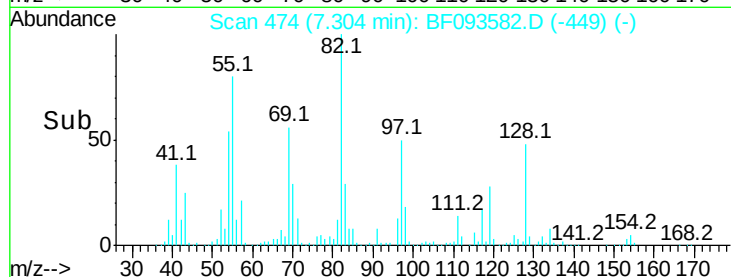
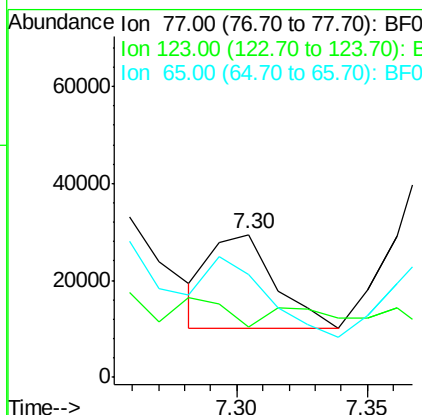
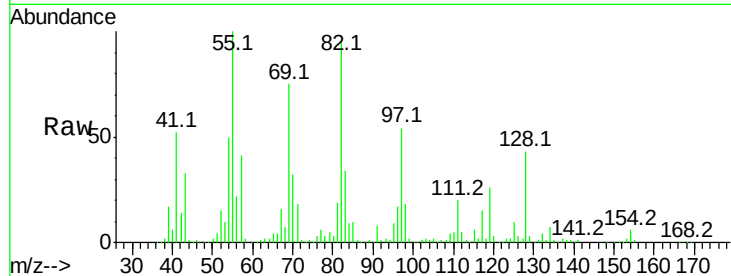
Tot Ion: 77 Resp: 33761

Ion Ratio Lower Upper

77 100

123 35.0 33.0 49.4

65 71.6 11.2 16.8#



#25

Isophorone

Concen: 18.61 ng

RT: 7.53 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

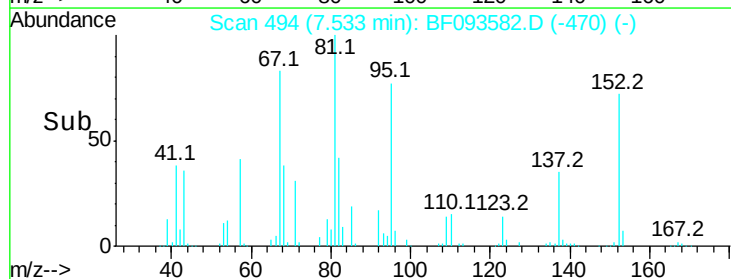
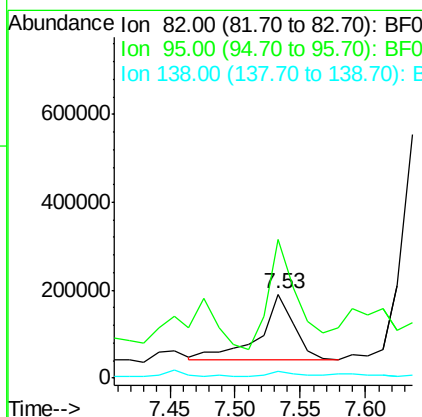
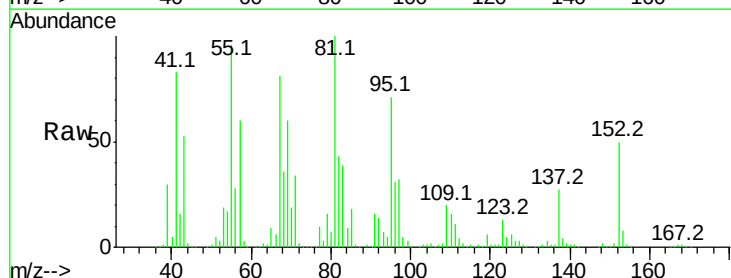
Tgt Ion: 82 Resp: 270820

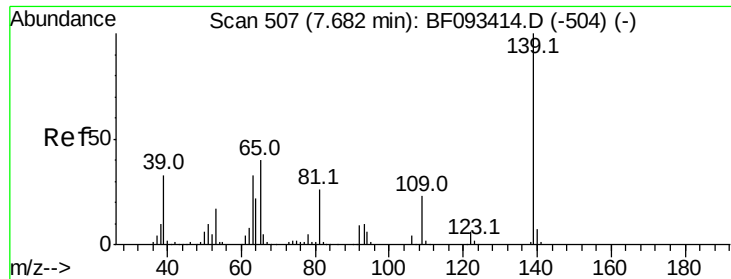
Ion Ratio Lower Upper

82 100

95 165.4 5.6 8.4#

138 8.4 14.6 22.0#





#26

2-Nitrophenol

Concen: 17.71 ng

RT: 7.68 min Scan# 507

Delta R.T. 0.05 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampled :

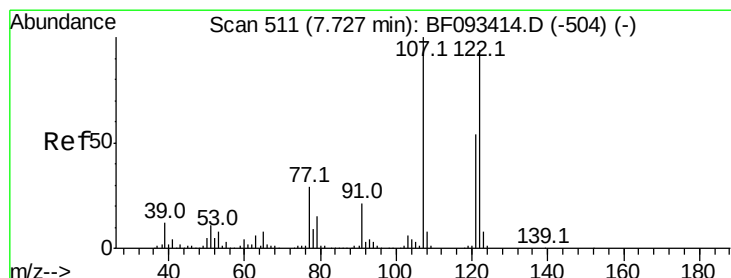
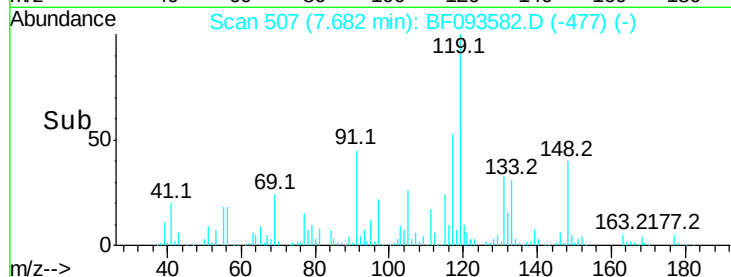
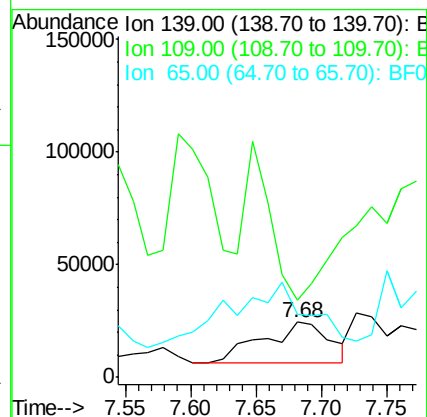
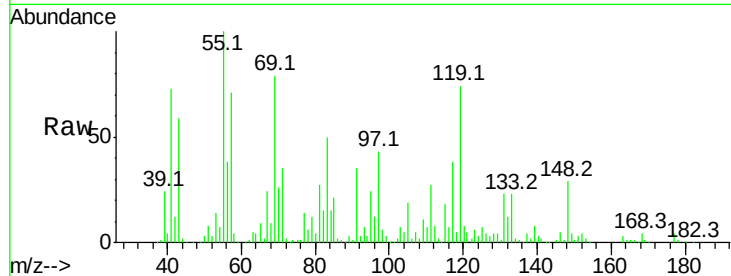
Tot Ion:139 Resp: 65528

Ion Ratio Lower Upper

139 100

109 139.8 23.3 34.9#

65 114.9 42.7 64.1#



#27

2,4-Dimethylphenol

Concen: 6.61 ng

RT: 7.66 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

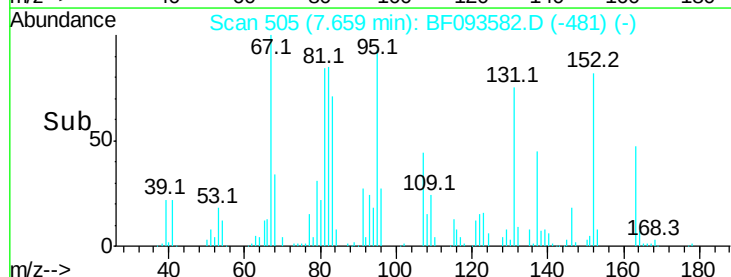
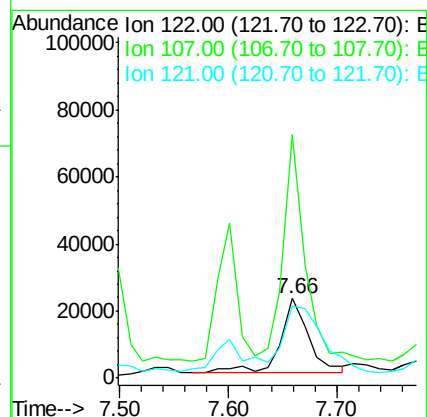
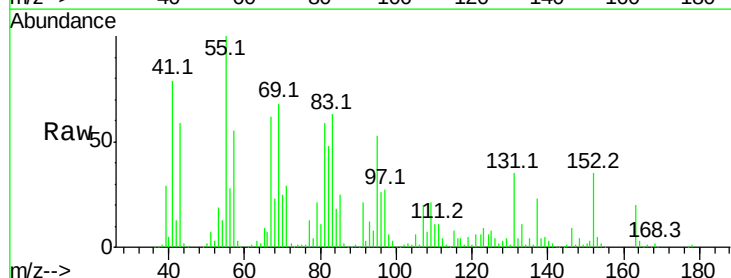
Tgt Ion:122 Resp: 39778

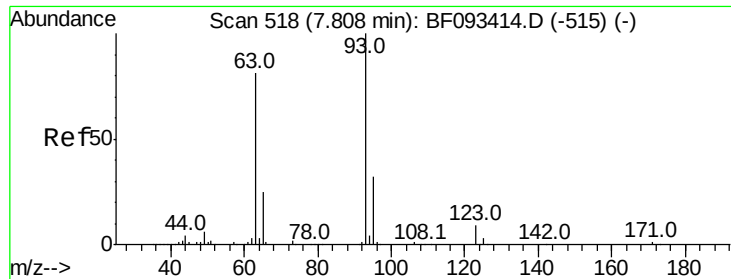
Ion Ratio Lower Upper

122 100

107 305.5 94.1 141.1#

121 90.5 46.0 69.0#





#28

bis(2-Chloroethoxy)methane

Concen: 7.46 ng

RT: 7.81 min Scan# 518

Delta R.T. 0.03 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

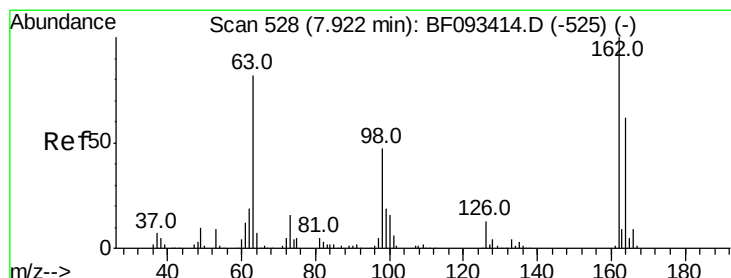
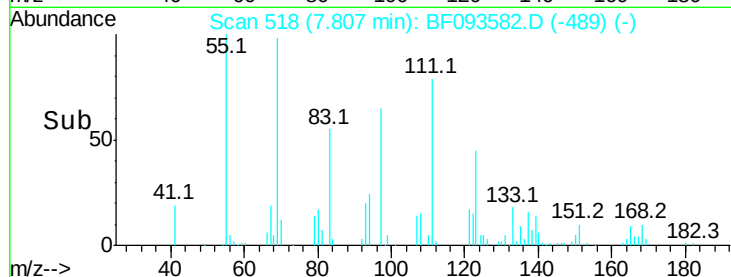
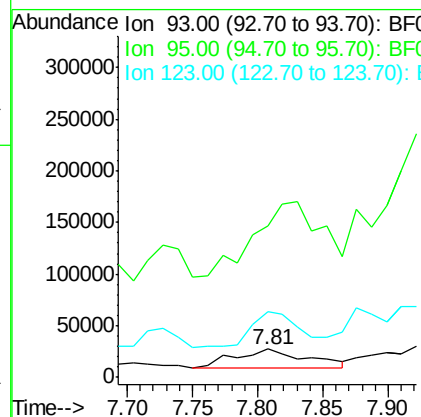
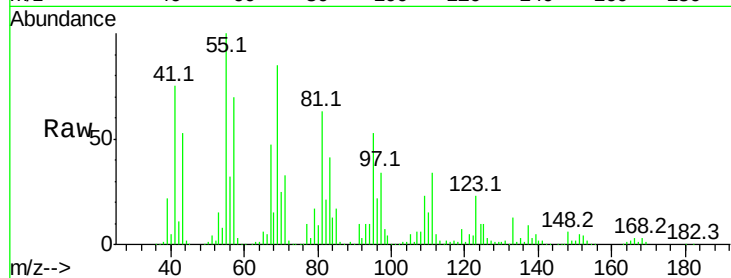
Tot Ion: 93 Resp: 68542

Ion Ratio Lower Upper

93 100

95 533.3 26.5 39.7#

123 231.6 8.6 13.0#



#29

2,4-Dichlorophenol

Concen: 6.89 ng

RT: 7.86 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

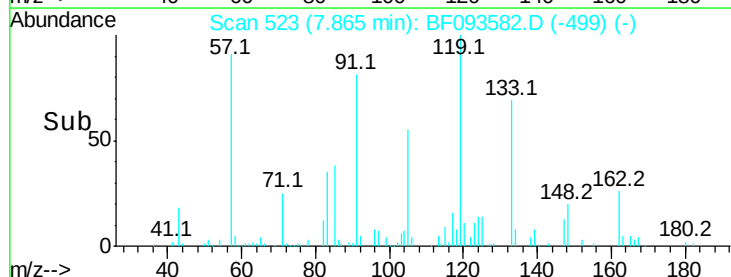
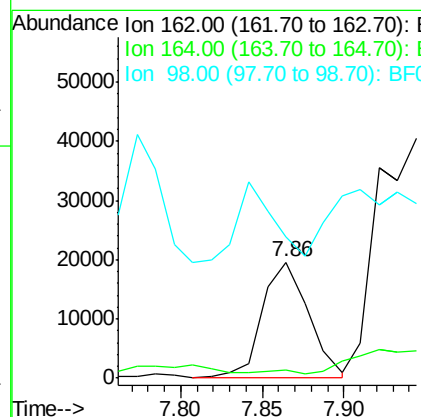
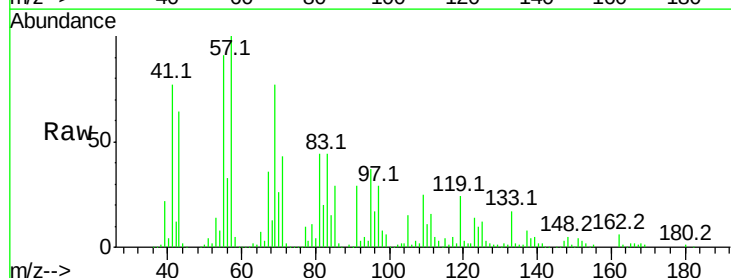
Tgt Ion:162 Resp: 39030

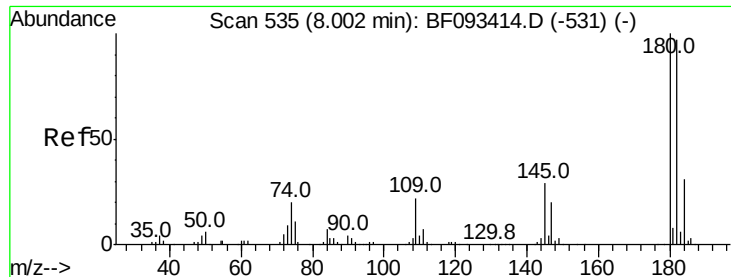
Ion Ratio Lower Upper

162 100

164 7.2 46.8 86.8#

98 121.7 9.1 49.1#

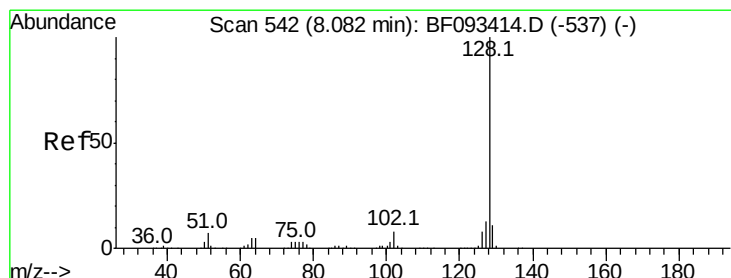
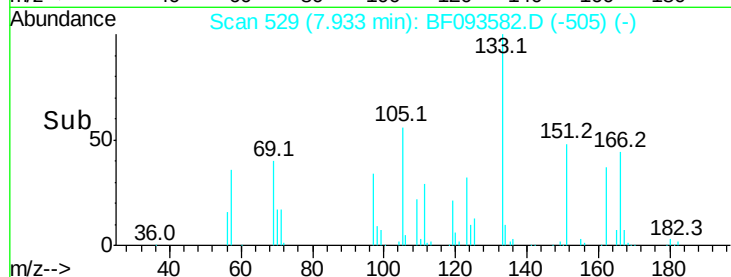
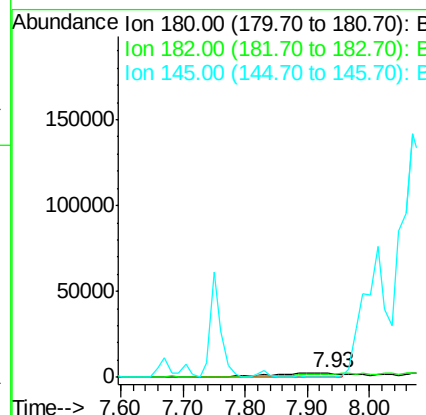
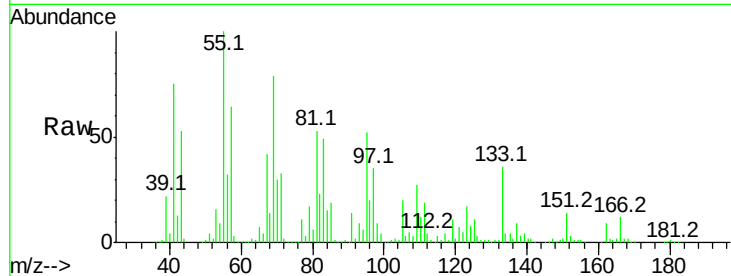




#30
 1,2,4-Trichlorobenzene
 Concen: 3.21 ng
 RT: 7.93 min Scan# 529
 Delta R.T. -0.02 min
 Lab File: BF093582.D
 Acq: 11 Mar 2017 22:05

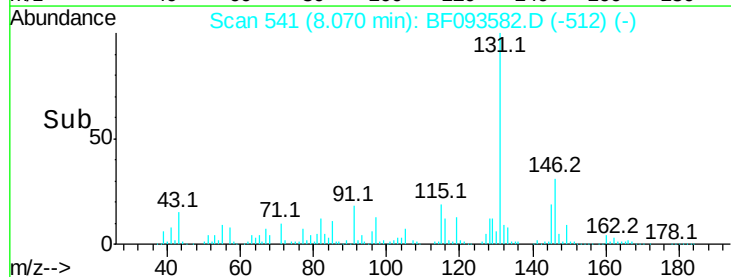
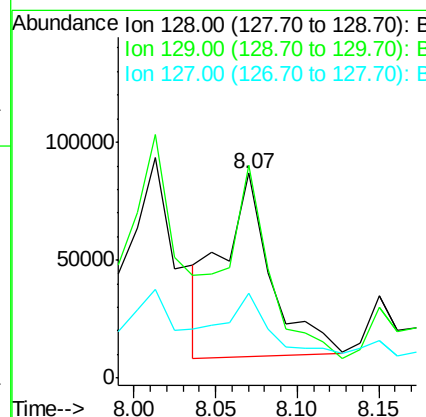
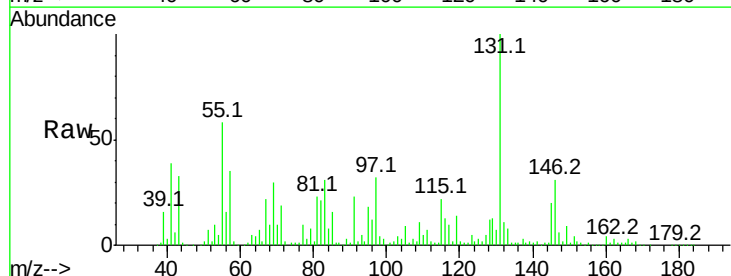
Instrument :
 BNA_F
 ClientSampleId :

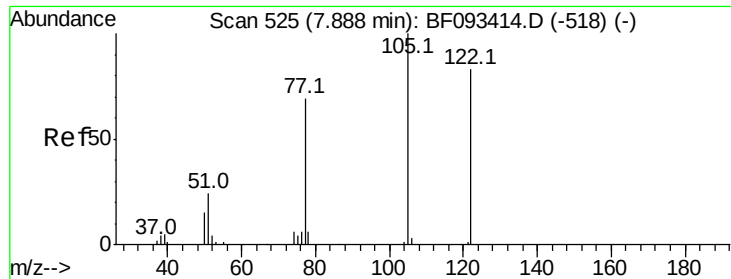
Tot Ion:180 Resp: 19349
 Ion Ratio Lower Upper
 180 100
 182 65.3 78.2 117.4#
 145 13.1 21.6 32.4#



#31
 Naphthalene
 Concen: 8.07 ng
 RT: 8.07 min Scan# 541
 Delta R.T. 0.03 min
 Lab File: BF093582.D
 Acq: 11 Mar 2017 22:05

Tgt Ion:128 Resp: 161834
 Ion Ratio Lower Upper
 128 100
 129 103.9 9.5 14.3#
 127 41.7 10.8 16.2#

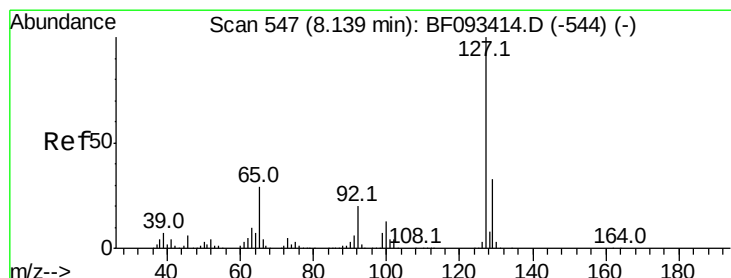
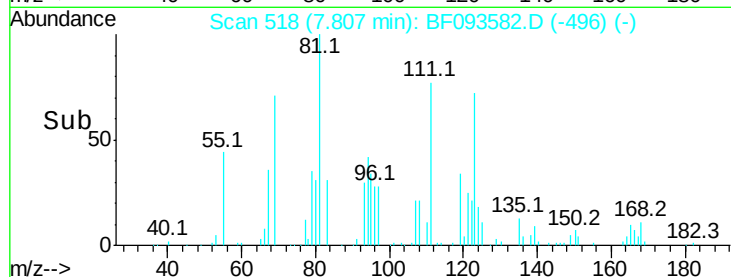
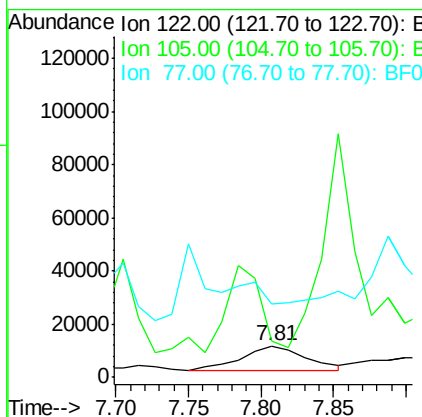
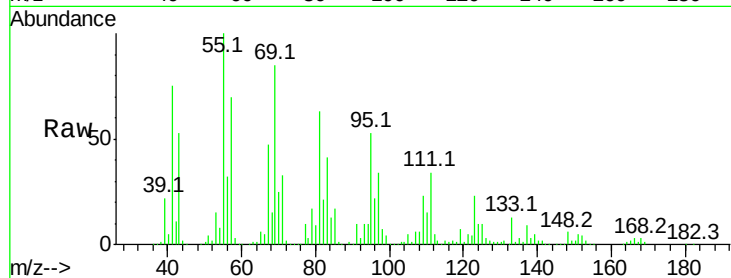




#32
Benzoic acid
Concen: 9.42 ng
RT: 7.81 min Scan# 518
Delta R.T. -0.05 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

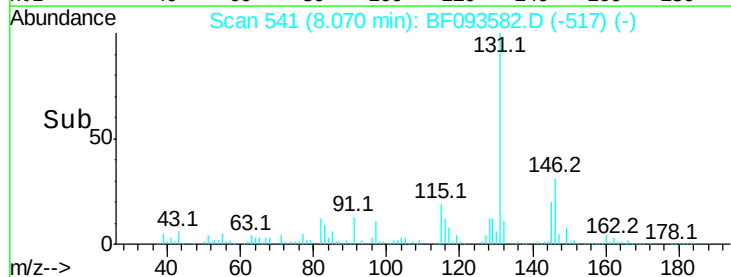
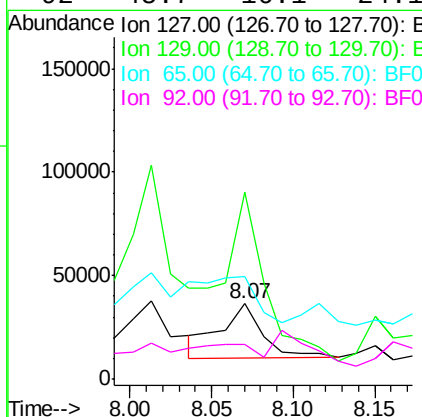
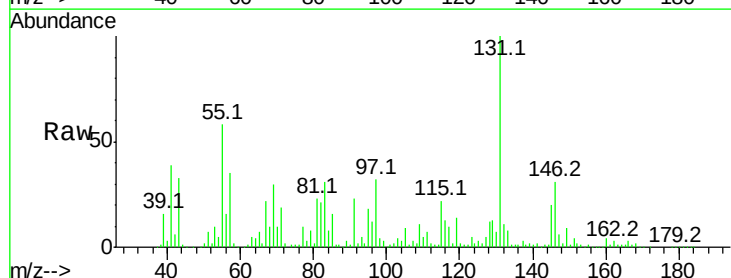
Instrument :
BNA_F
ClientSampled :

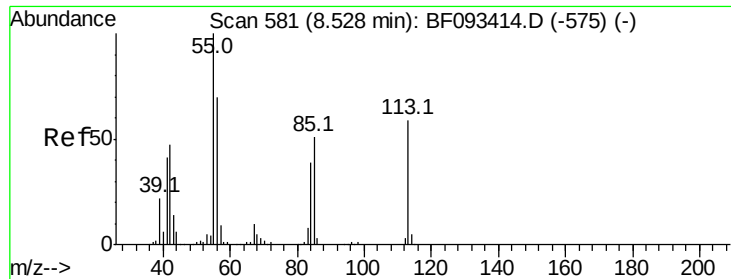
Tot Ion:122 Resp: 29477
Ion Ratio Lower Upper
122 100
105 116.1 107.2 147.2
77 232.1 74.5 114.5#



#33
4-Chloroaniline
Concen: 5.84 ng
RT: 8.07 min Scan# 541
Delta R.T. -0.02 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Tgt Ion:127 Resp: 47561
Ion Ratio Lower Upper
127 100
129 249.4 26.3 39.5#
65 136.5 25.8 38.8#
92 45.7 16.1 24.1#

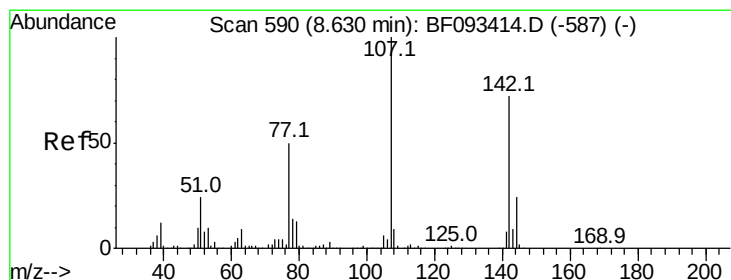
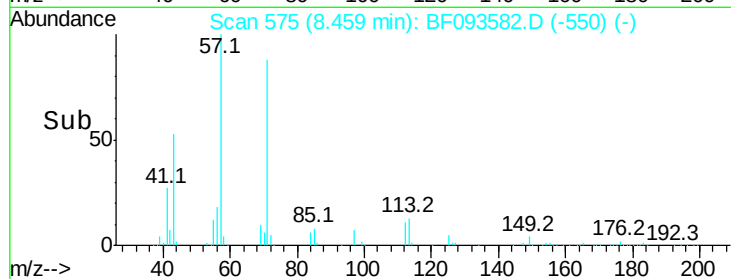
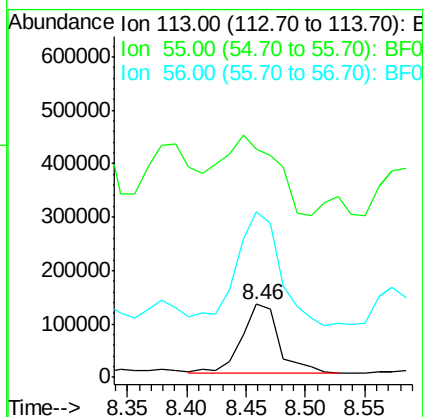
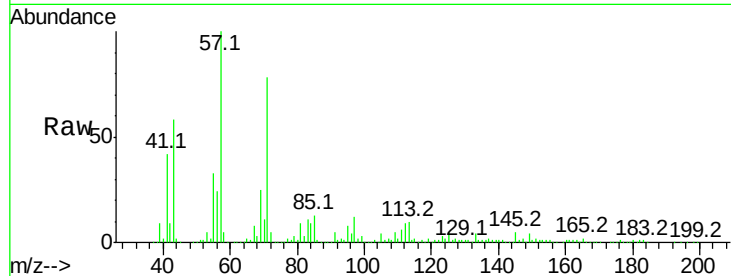




#35
Caprolactam
Concen: 147.74 ng
RT: 8.46 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

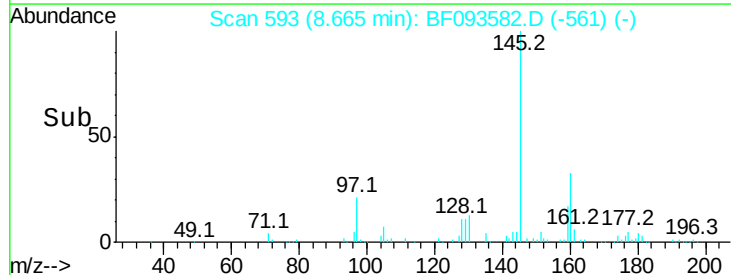
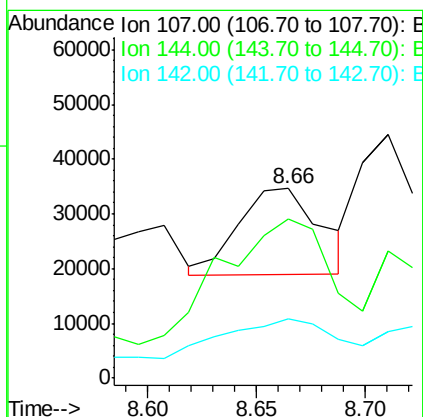
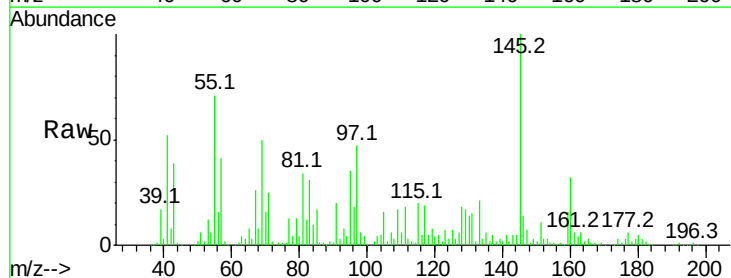
Instrument :
BNA_F
ClientSampleId :

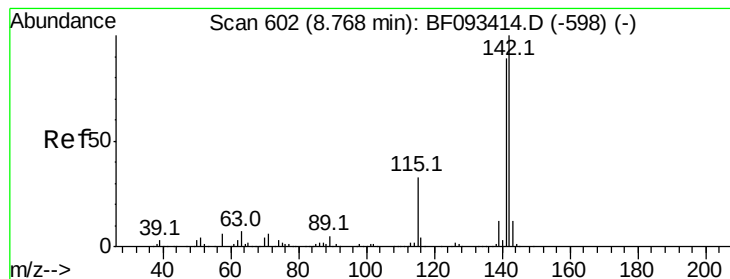
Tot Ion:113 Resp: 285743
Ion Ratio Lower Upper
113 100
55 313.5 119.2 159.2#
56 227.7 83.8 123.8#



#36
4-Chloro-3-methylphenol
Concen: 6.82 ng
RT: 8.66 min Scan# 593
Delta R.T. 0.07 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Tgt Ion:107 Resp: 41229
Ion Ratio Lower Upper
107 100
144 83.8 19.3 28.9#
142 31.6 59.0 88.6#





#37

2-Methylnaphthalene

Concen: 2.44 ng

RT: 8.66 min Scan# 593

Delta R.T. -0.06 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

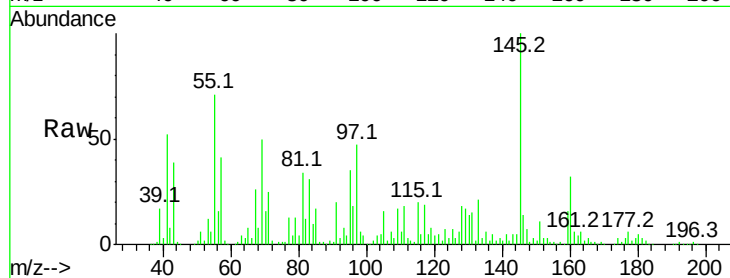
Tot Ion:142 Resp: 31142

Ion Ratio Lower Upper

142 100

141 240.0 71.0 106.6#

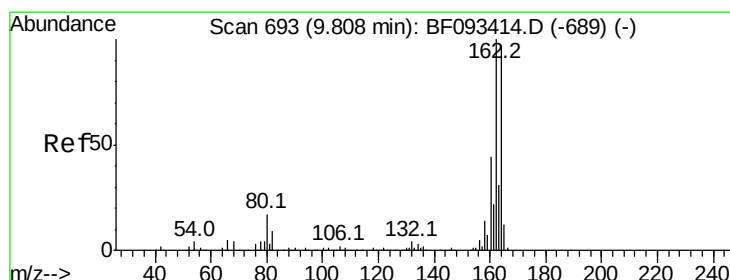
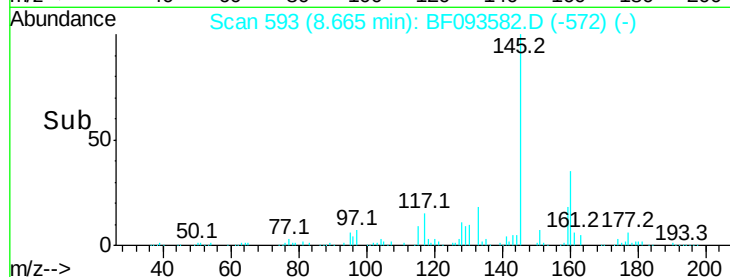
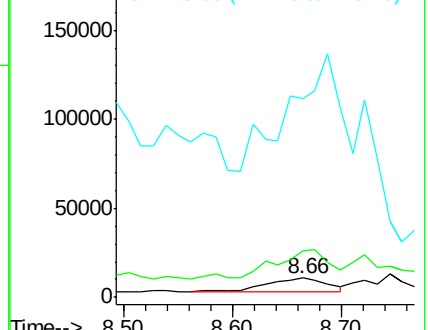
115 1020.8 28.3 42.5#



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: 9.78 min Scan# 691

Delta R.T. 0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

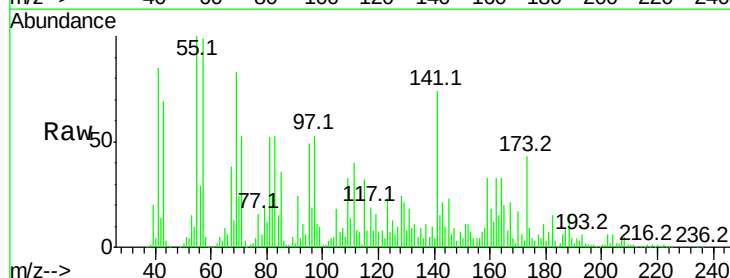
Tgt Ion:164 Resp: 159412

Ion Ratio Lower Upper

164 100

162 99.6 80.2 120.2

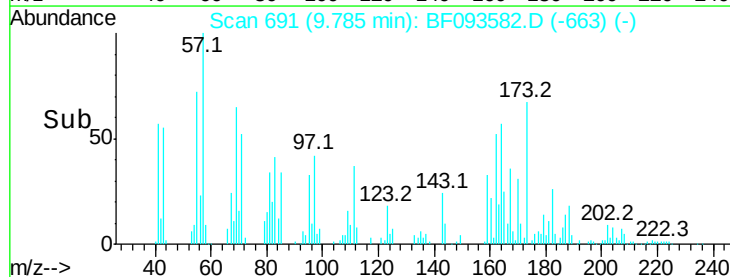
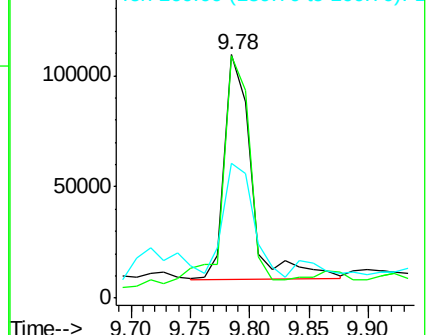
160 55.4 36.9 55.3#

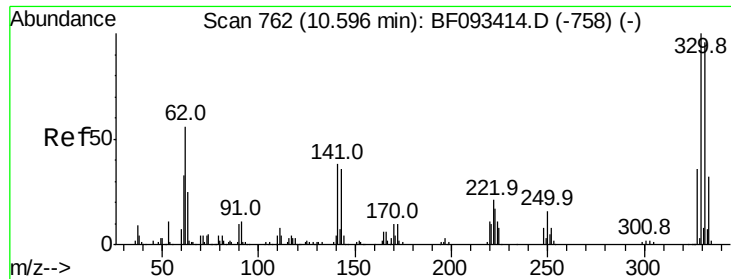


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

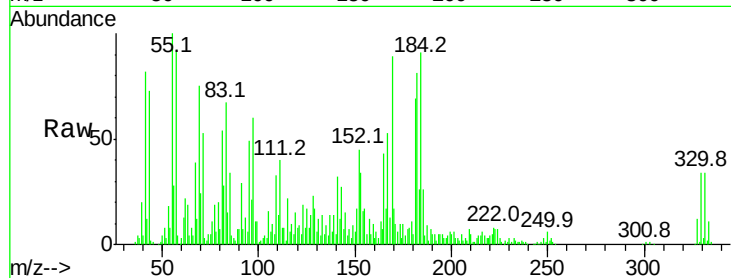




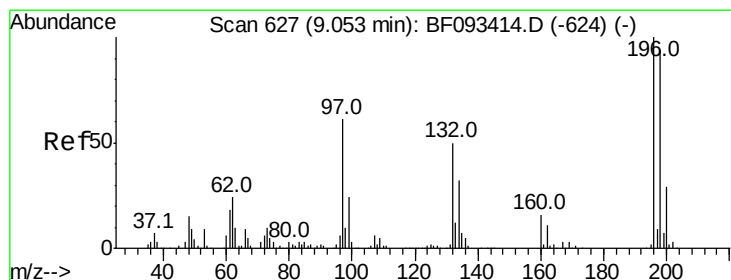
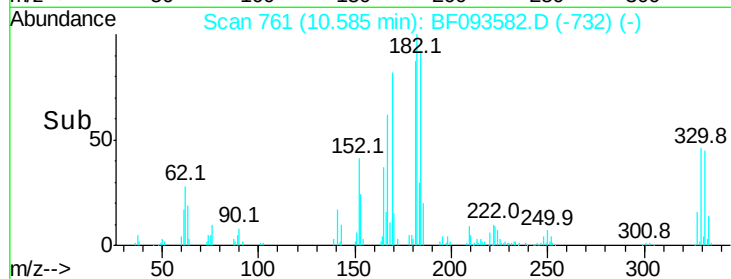
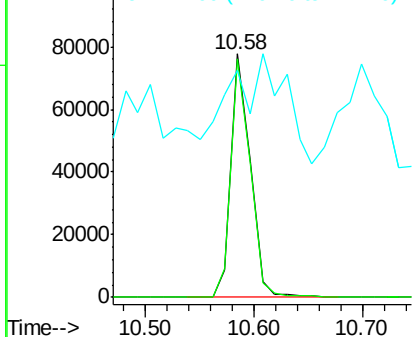
#41
 2,4,6-Tribromophenol
 Concen: 91.29 ng
 RT: 10.58 min Scan# 761
 Delta R.T. 0.03 min
 Lab File: BF093582.D
 Acq: 11 Mar 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 94818
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.4 116.2
 141 36.5 34.1 51.1

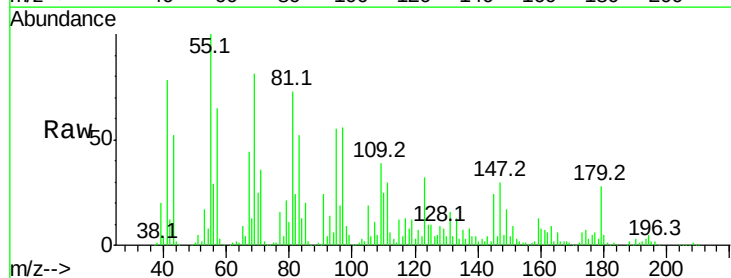


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

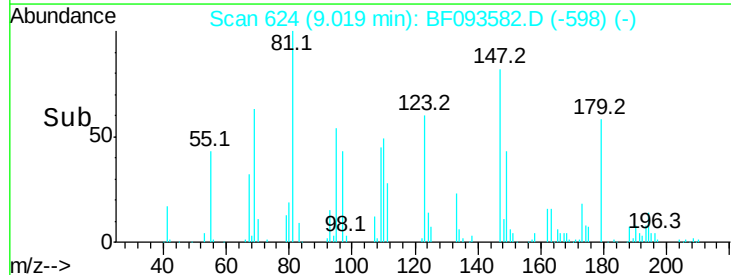
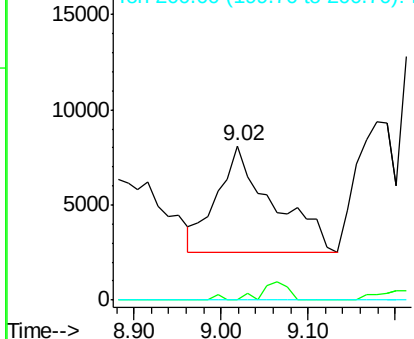


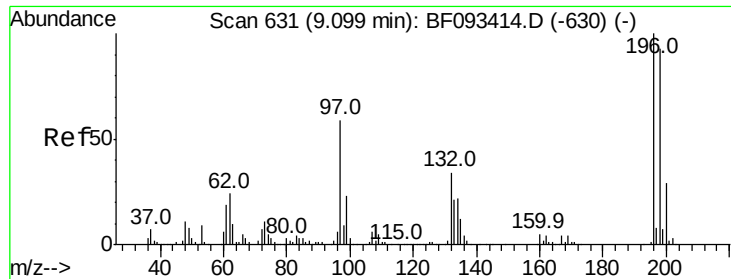
#42
 2,4,6-Trichlorophenol
 Concen: 9.20 ng
 RT: 9.02 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093582.D
 Acq: 11 Mar 2017 22:05

Tgt Ion:196 Resp: 25024
 Ion Ratio Lower Upper
 196 100
 198 0.0 82.1 123.1#
 200 0.0 27.0 40.4#



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

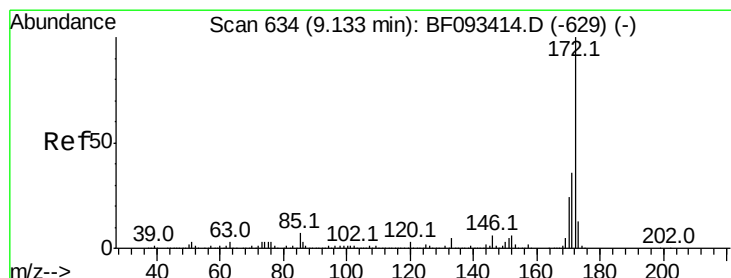
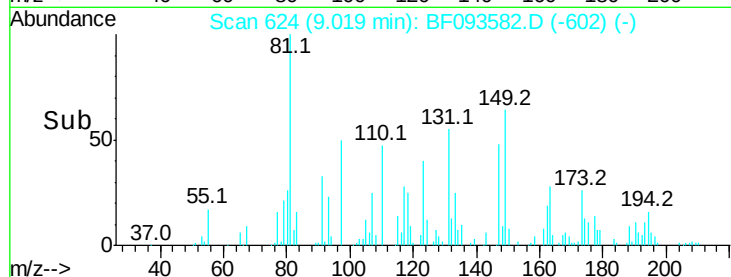
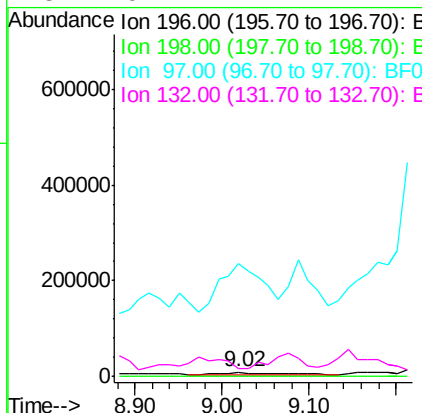
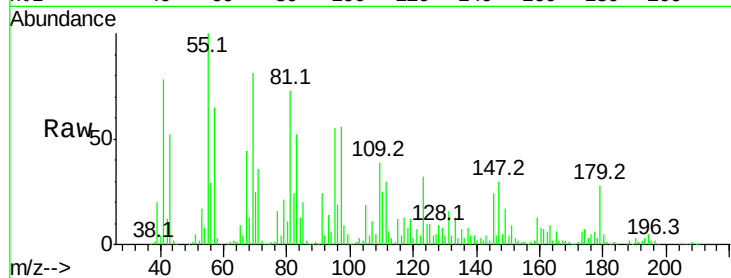




#43
 2,4,5-Trichlorophenol
 Concen: 8.58 ng
 RT: 9.02 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF093582.D
 Acq: 11 Mar 2017 22:05

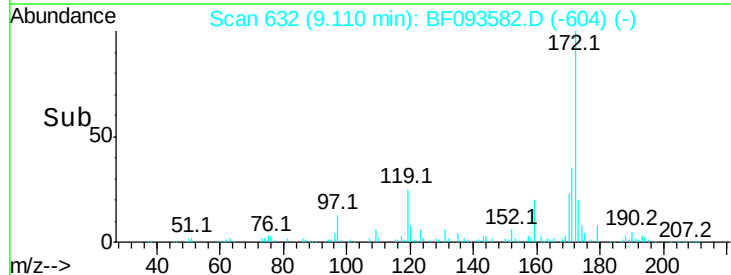
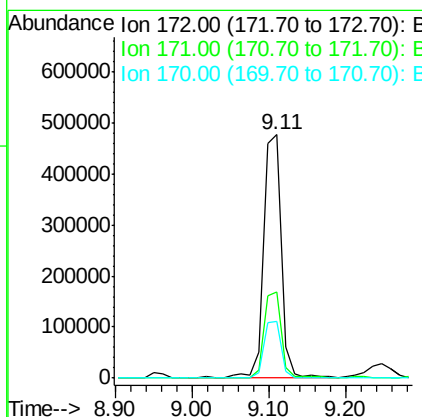
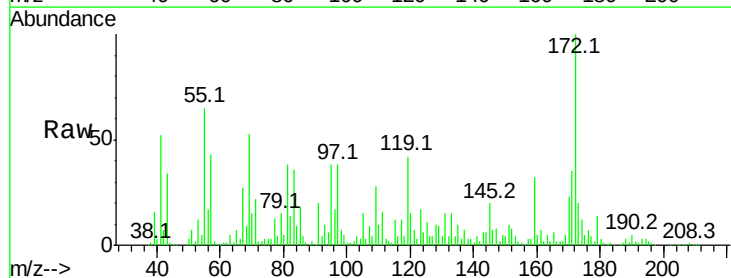
Instrument :
 BNA_F
 ClientSampled :

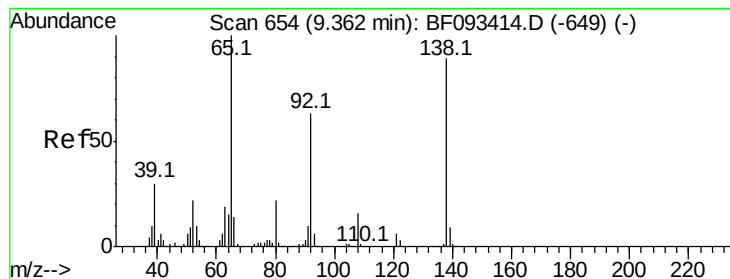
Tot Ion:196 Resp: 25024
 Ion Ratio Lower Upper
 196 100
 198 0.0 79.4 119.2#
 97 2893.9 51.5 77.3#
 132 204.2 27.4 41.2#



#44
 2-Fluorobiphenyl
 Concen: 87.23 ng
 RT: 9.11 min Scan# 632
 Delta R.T. 0.02 min
 Lab File: BF093582.D
 Acq: 11 Mar 2017 22:05

Tgt Ion:172 Resp: 747619
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.4 44.0
 170 23.4 20.2 30.4





#47

2-Nitroaniline

Concen: 4.43 ng

RT: 9.33 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

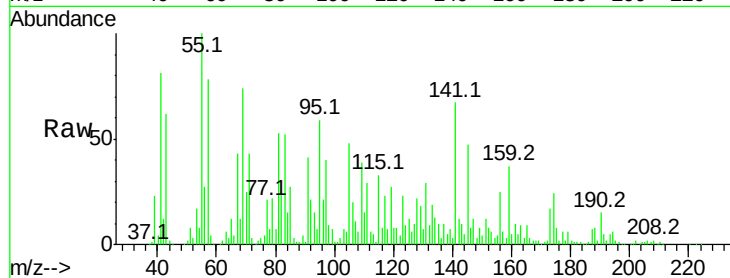
Tot Ion: 65 Resp: 13929

Ion Ratio Lower Upper

65 100

92 166.5 53.9 80.9#

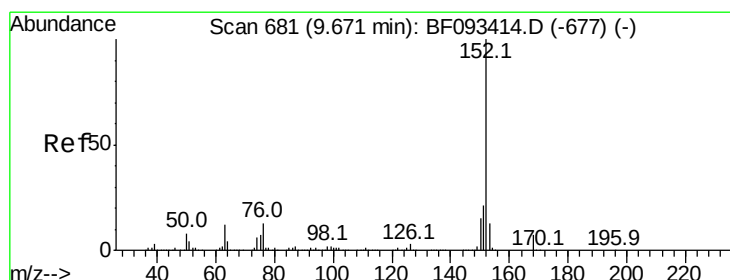
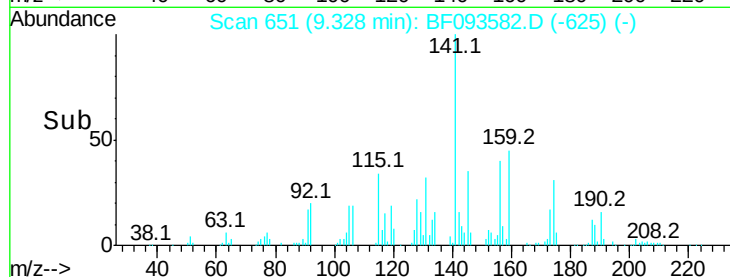
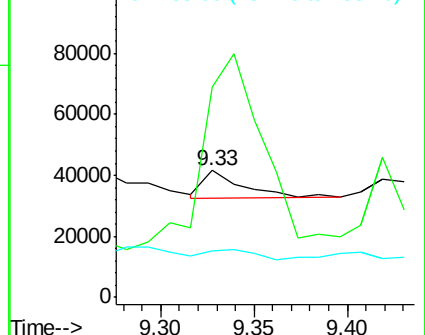
138 36.8 76.8 115.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 7.13 ng

RT: 9.66 min Scan# 680

Delta R.T. 0.03 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

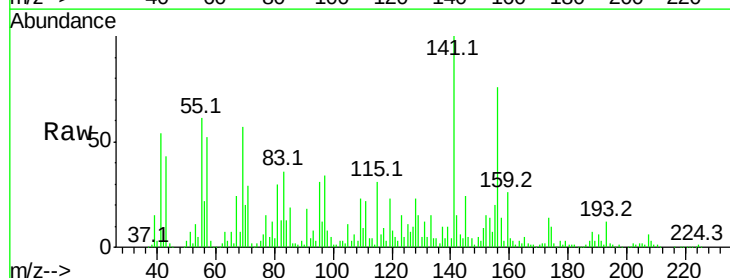
Tgt Ion: 152 Resp: 104599

Ion Ratio Lower Upper

152 100

151 62.5 16.9 25.3#

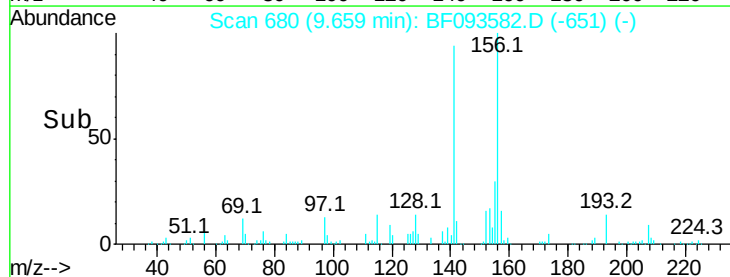
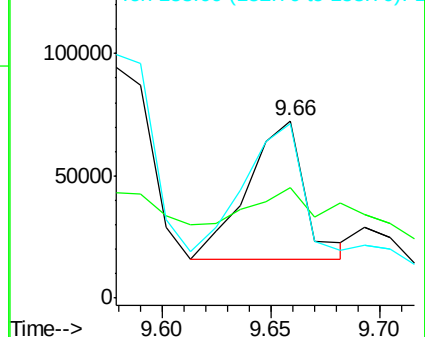
153 98.2 11.4 17.2#

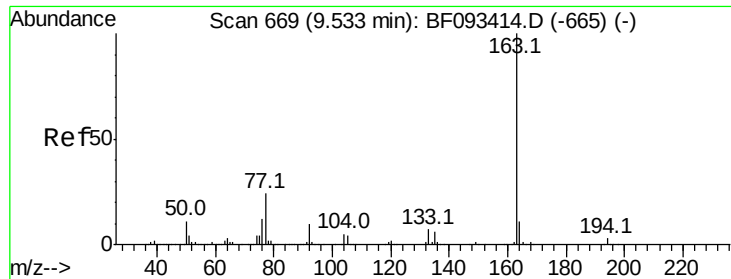


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

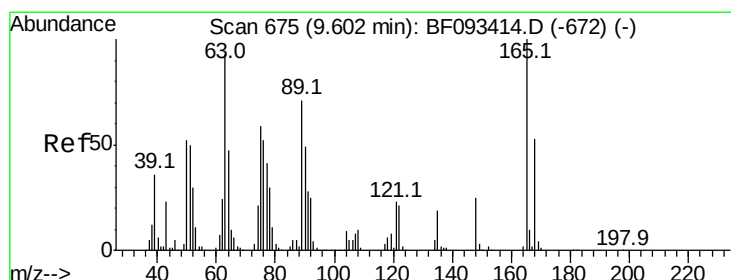
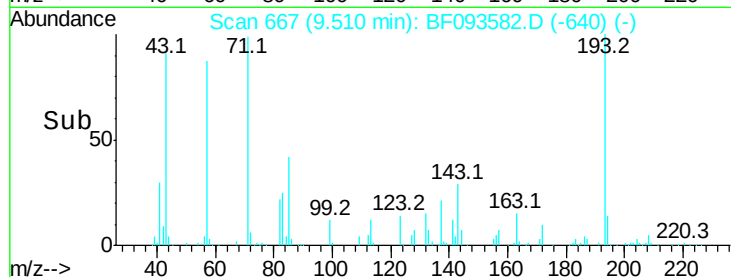
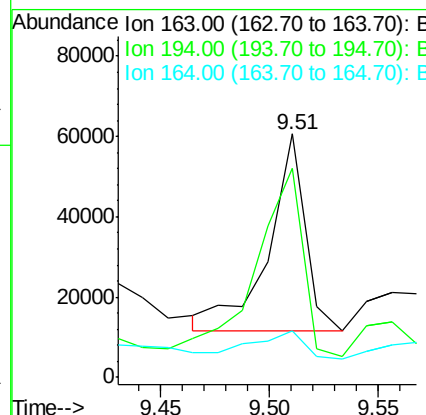
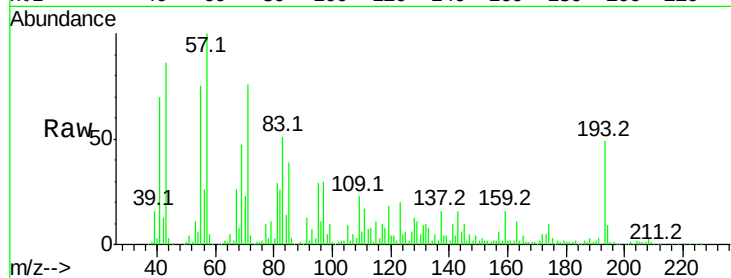




#49
Dimethylphthalate
Concen: 5.54 ng
RT: 9.51 min Scan# 667
Delta R.T. 0.01 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

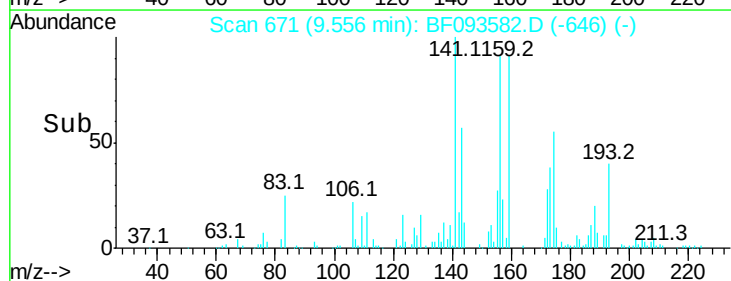
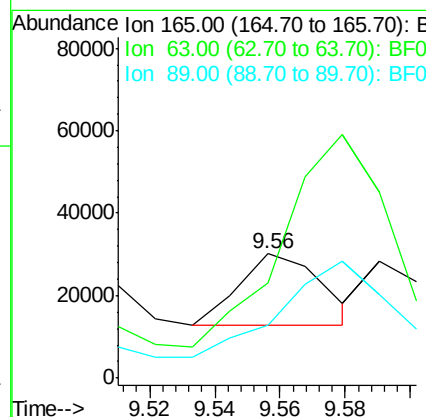
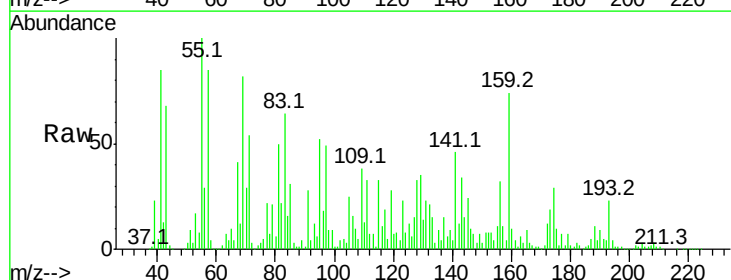
Instrument :
BNA_F
ClientSampleId :

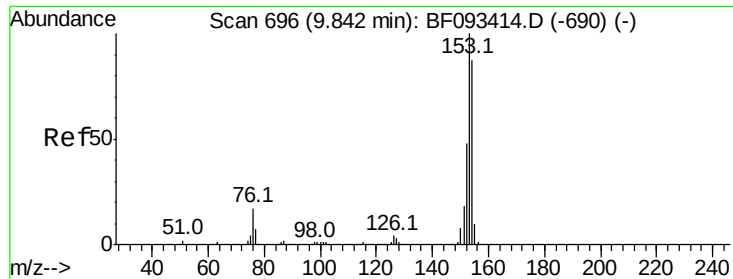
Tot Ion:163 Resp: 58537
Ion Ratio Lower Upper
163 100
194 85.7 3.0 4.4#
164 19.3 8.0 12.0#



#50
2,6-Dinitrotoluene
Concen: 12.96 ng
RT: 9.56 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Tgt Ion:165 Resp: 30055
Ion Ratio Lower Upper
165 100
63 76.3 36.2 54.4#
89 42.7 40.2 60.4





#51

Acenaphthene

Concen: 23.32 ng

RT: 9.82 min Scan# 694

Delta R.T. 0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampled :

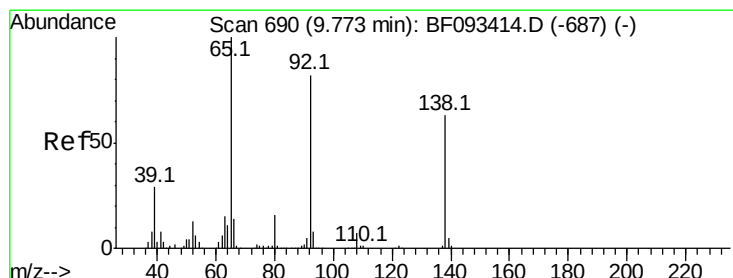
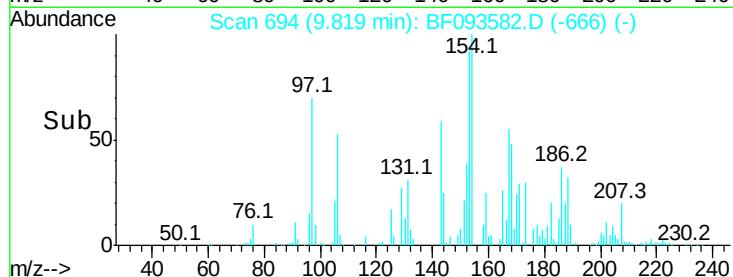
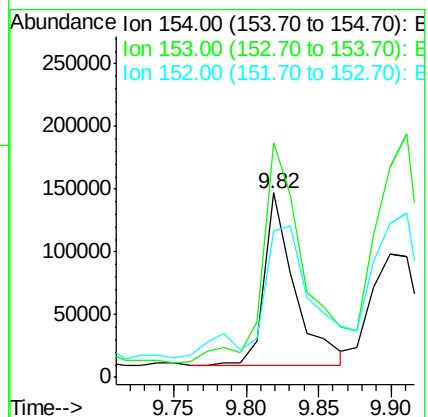
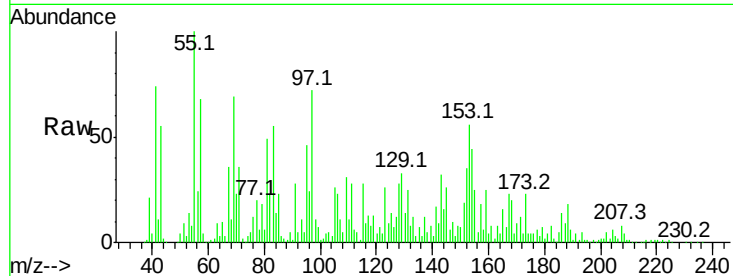
Tot Ion:154 Resp: 202190

Ion Ratio Lower Upper

154 100

153 126.9 88.6 133.0

152 79.6 41.6 62.4#



#52

3-Nitroaniline

Concen: 12.62 ng

RT: 9.74 min Scan# 687

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

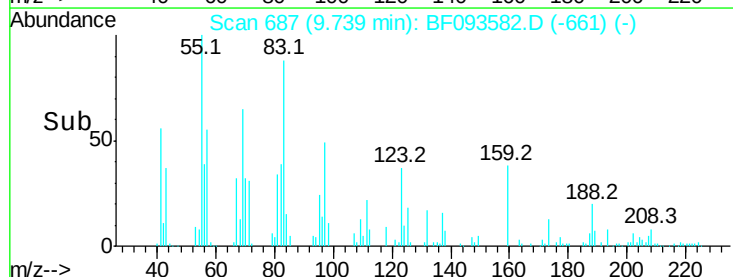
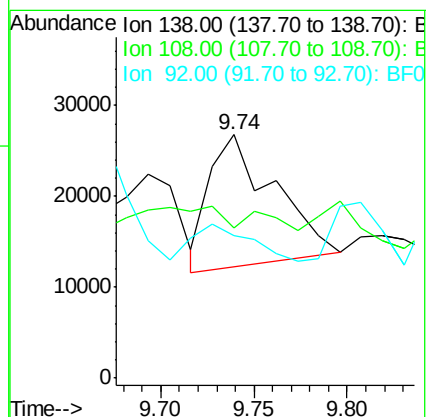
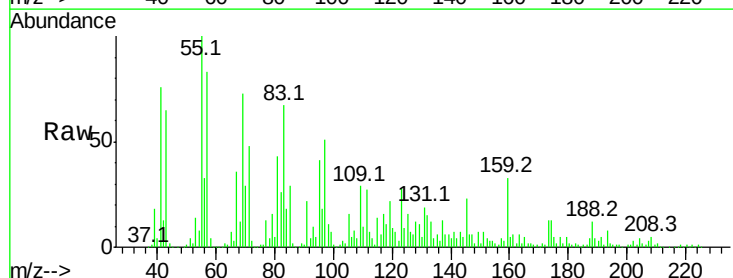
Tgt Ion:138 Resp: 35151

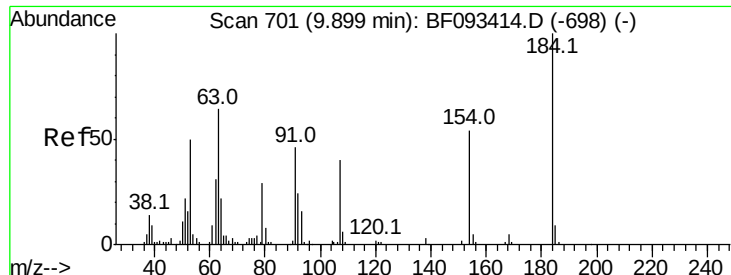
Ion Ratio Lower Upper

138 100

108 61.8 8.5 12.7#

92 58.5 97.8 146.8#





#53

2,4-Dinitrophenol

Concen: 10.24 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

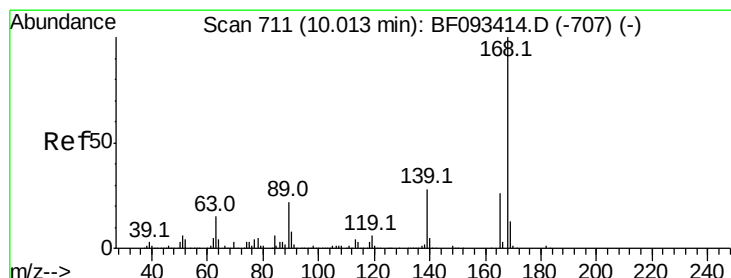
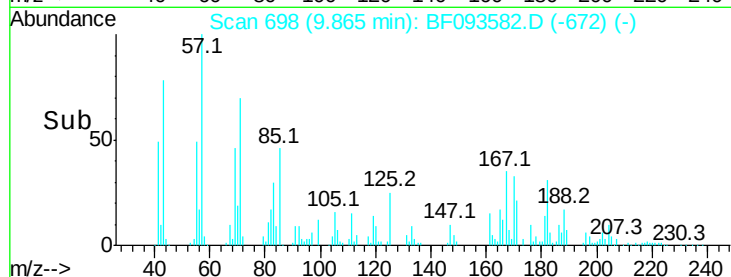
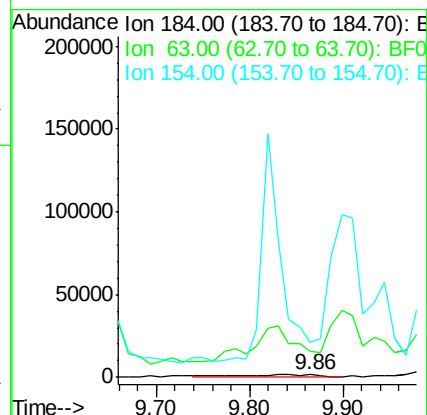
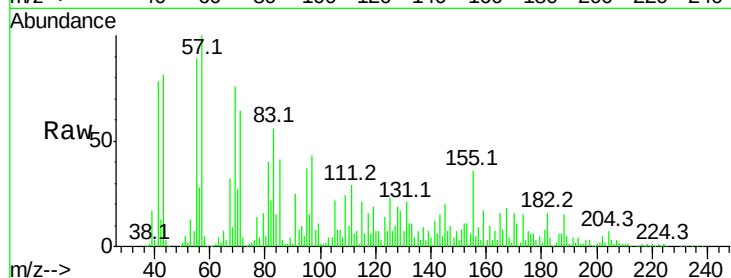
Tot Ion:184 Resp: 10816

Ion Ratio Lower Upper

184 100

63 945.2 28.4 42.6#

154 1255.8 44.3 66.5#



#54

Dibenzofuran

Concen: 15.22 ng

RT: 10.00 min Scan# 710

Delta R.T. 0.03 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

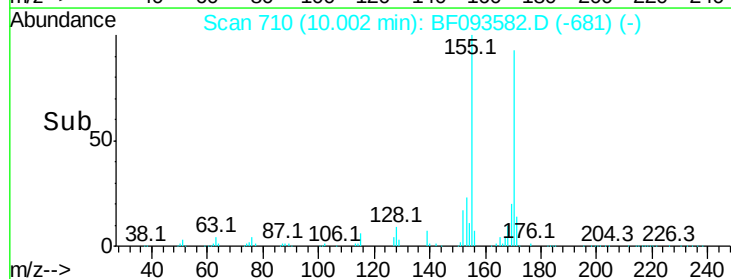
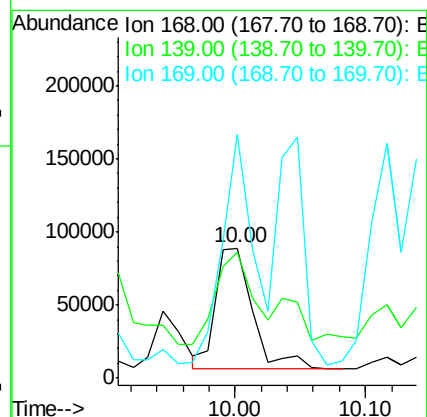
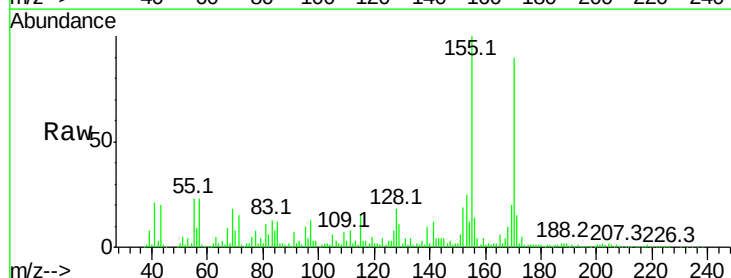
Tgt Ion:168 Resp: 165178

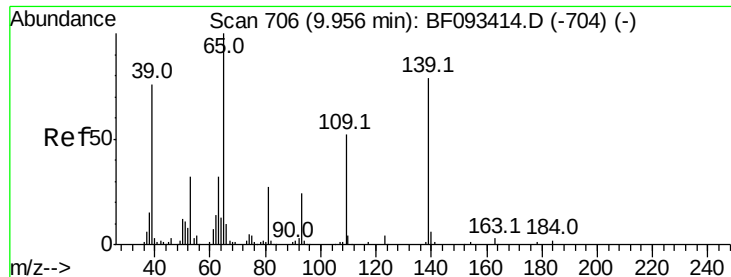
Ion Ratio Lower Upper

168 100

139 97.0 32.6 49.0#

169 187.2 11.3 16.9#





#55

4-Nitrophenol

Concen: 92.26 ng

RT: 10.00 min Scan# 710

Delta R.T. 0.07 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampled :

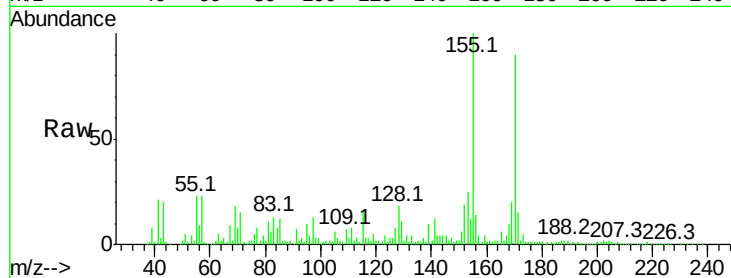
Tot Ion:139 Resp: 124852

Ion Ratio Lower Upper

139 100

109 64.7 52.2 92.2

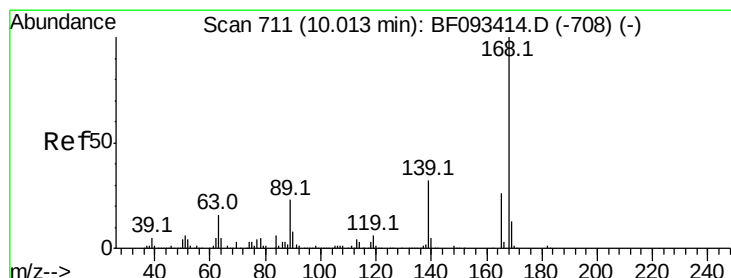
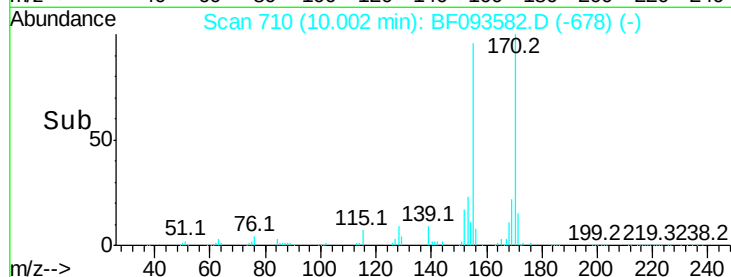
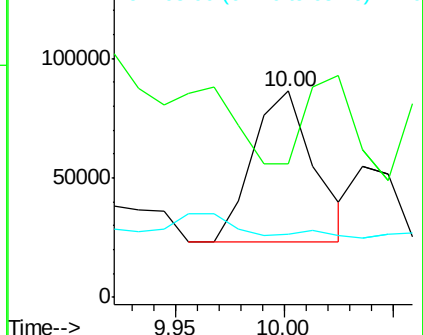
65 30.7 85.8 125.8#



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: 10.18 ng

RT: 10.00 min Scan# 710

Delta R.T. 0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Tgt Ion:165 Resp: 29010

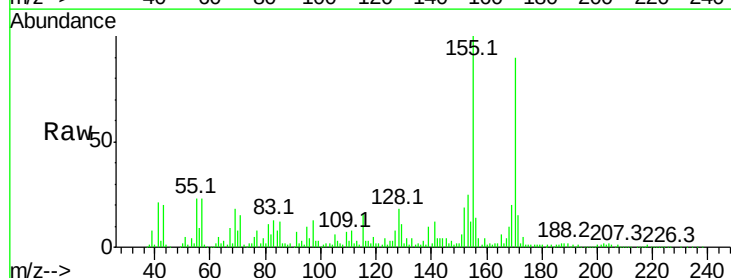
Ion Ratio Lower Upper

165 100

63 82.0 40.2 60.4#

89 37.1 62.5 93.7#

182 13.3 1.8 2.8#

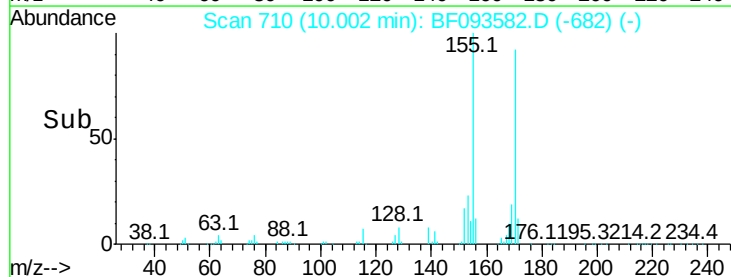
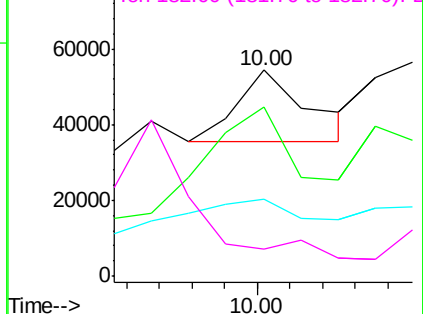


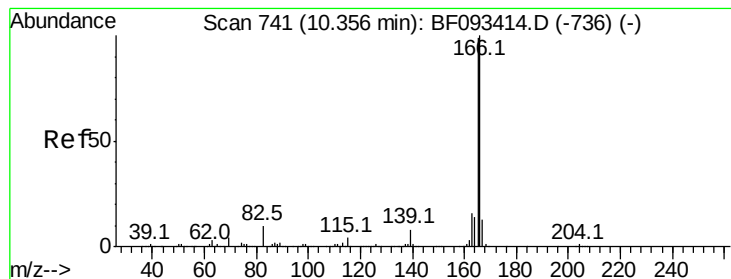
Abundance Ion 165.00 (164.70 to 165.70): E

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: 44.48 ng

RT: 10.34 min Scan# 740

Delta R.T. 0.03 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

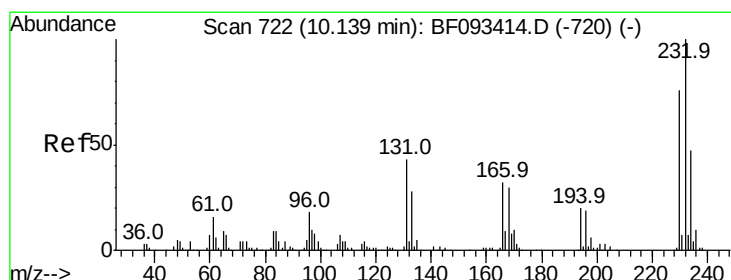
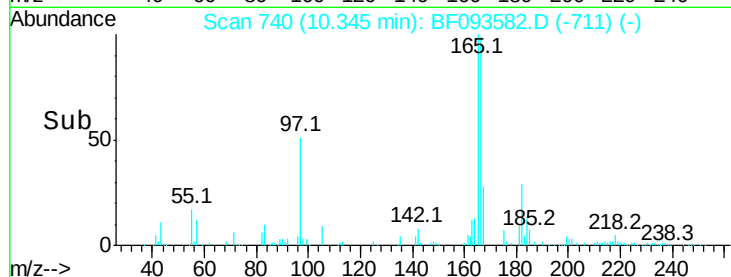
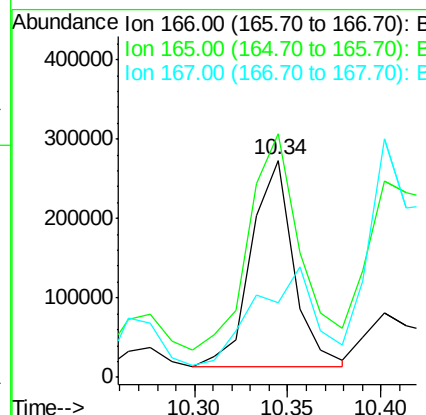
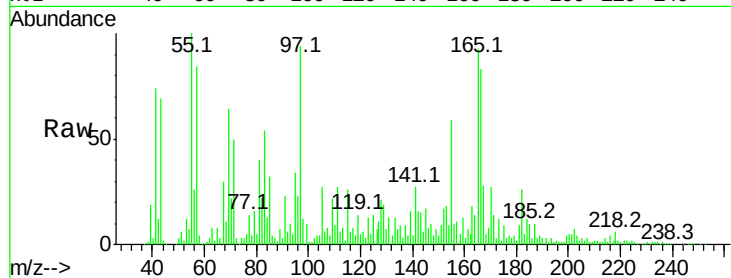
Tot Ion:166 Resp: 408962

Ion Ratio Lower Upper

166 100

165 112.1 77.8 116.8

167 34.2 10.8 16.2#



#58

2,3,4,6-Tetrachlorophenol

Concen: 2.39 ng

RT: 10.09 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Tgt Ion:232 Resp: 4926

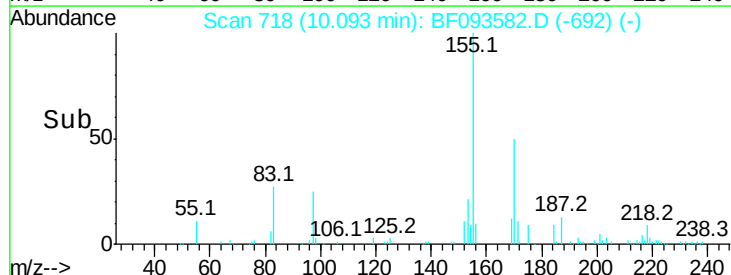
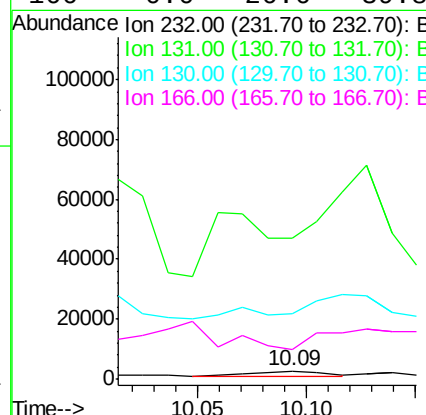
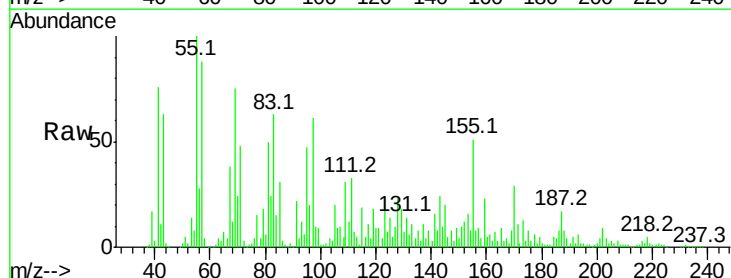
Ion Ratio Lower Upper

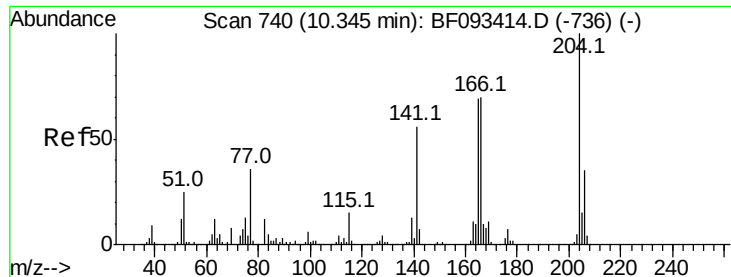
232 100

131 0.0 40.1 60.1#

130 0.0 1.8 2.8#

166 0.0 26.6 39.8#

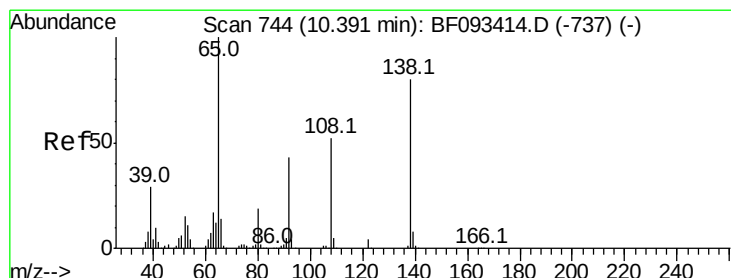
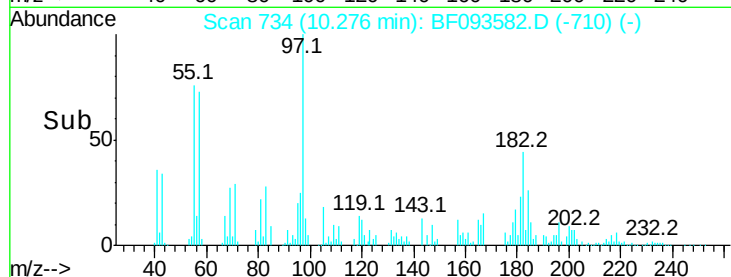
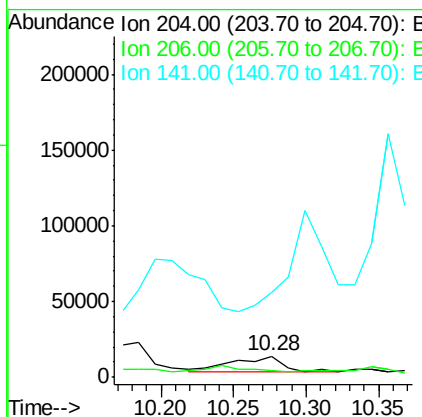
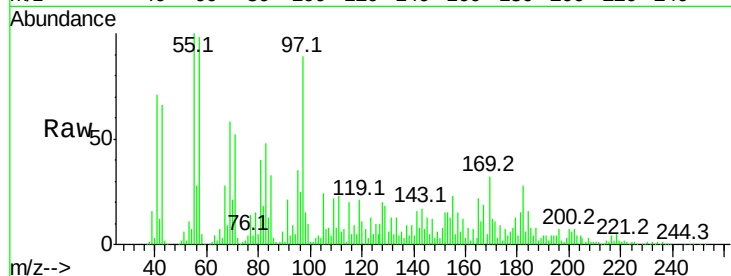




#60
4-Chlorophenyl-phenylether
Concen: 5.45 ng
RT: 10.28 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

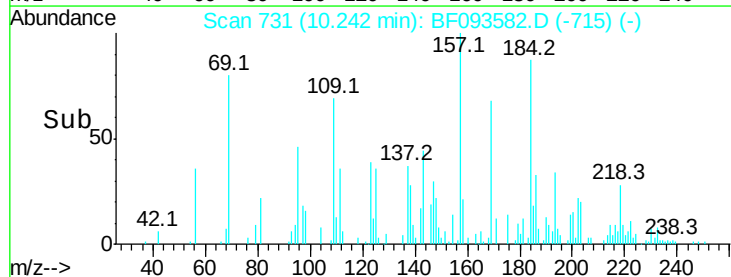
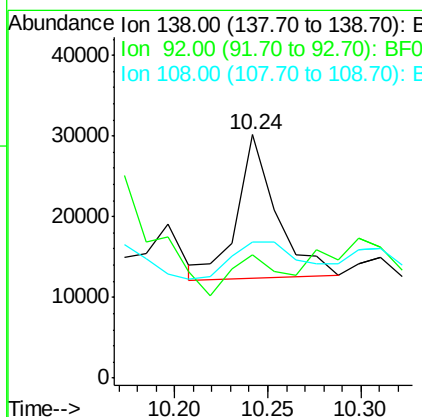
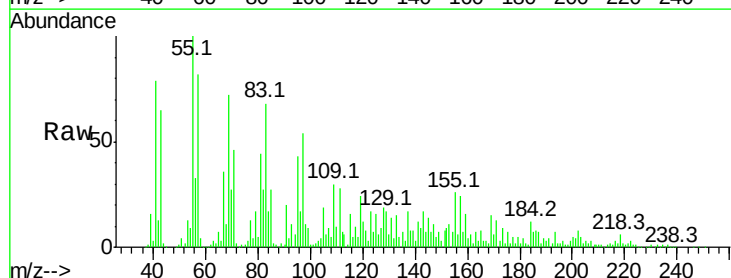
Instrument :
BNA_F
ClientSampleId :

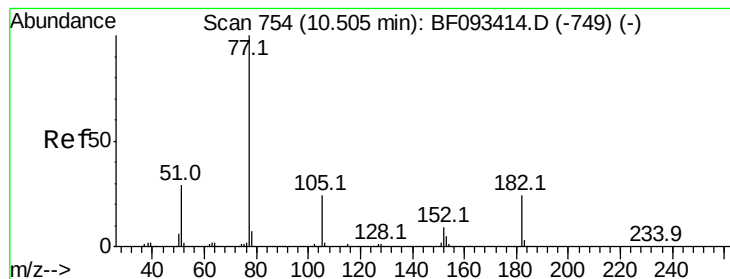
Tot Ion:204 Resp: 22466
Ion Ratio Lower Upper
204 100
206 28.9 25.8 38.6
141 396.6 59.4 89.0#



#61
4-Nitroaniline
Concen: 9.27 ng
RT: 10.24 min Scan# 731
Delta R.T. -0.11 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Tgt Ion:138 Resp: 26405
Ion Ratio Lower Upper
138 100
92 50.5 31.7 71.7
108 55.8 52.6 92.6





#62

Azobenzene

Concen: 7.40 ng

RT: 10.50 min Scan# 754

Delta R.T. 0.05 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 84912

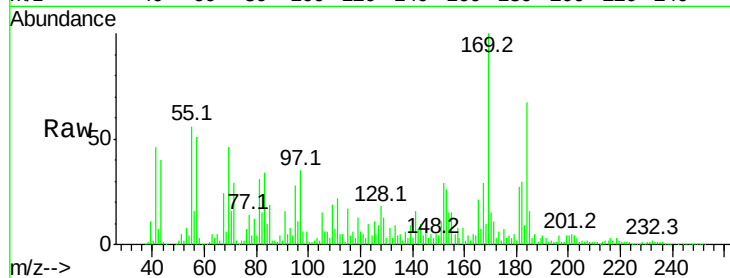
Ion Ratio Lower Upper

77 100

182 217.2 0.0 39.3#

105 110.1 2.3 42.3#

51 37.2 8.9 48.9

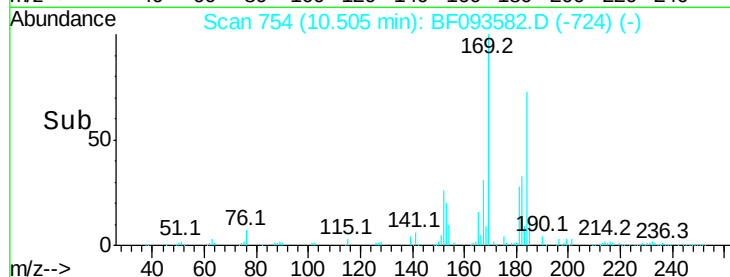


Abundance Ion 77.00 (76.70 to 77.70): BF0

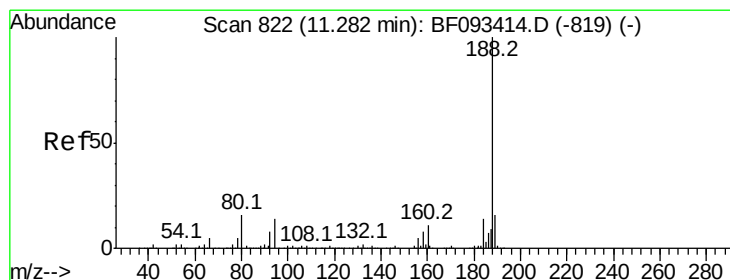
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



Time--> 10.40 10.45 10.50 10.55



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.27 min Scan# 821

Delta R.T. 0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

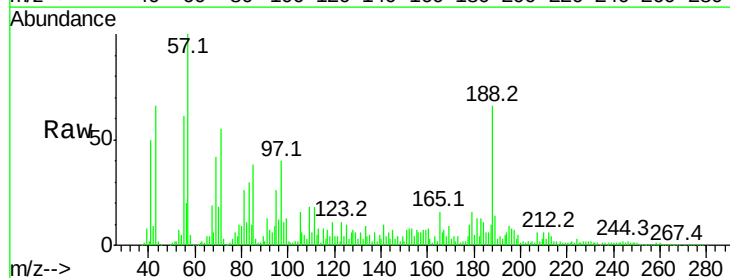
Tgt Ion: 188 Resp: 279290

Ion Ratio Lower Upper

188 100

94 13.9 10.0 15.0

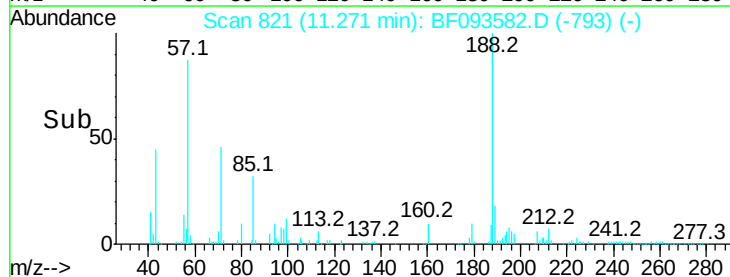
80 14.2 11.2 16.8



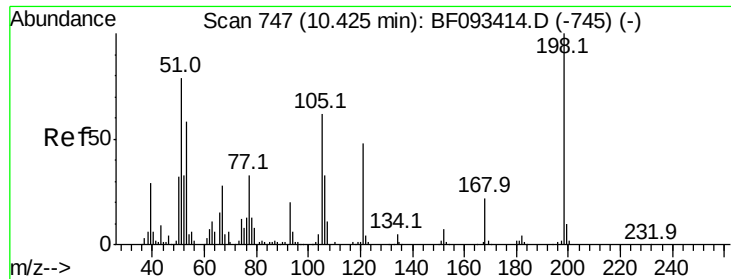
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.10 11.20 11.30



#64

4,6-Dinitro-2-methylphenol

Concen: 2.06 ng

RT: 10.40 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

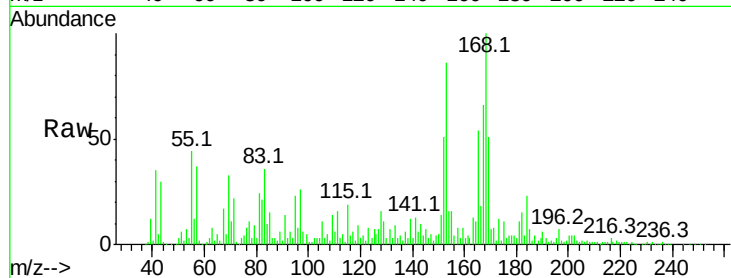
Tot Ion:198 Resp: 3728

Ion Ratio Lower Upper

198 100

51 599.1 6.7 46.7#

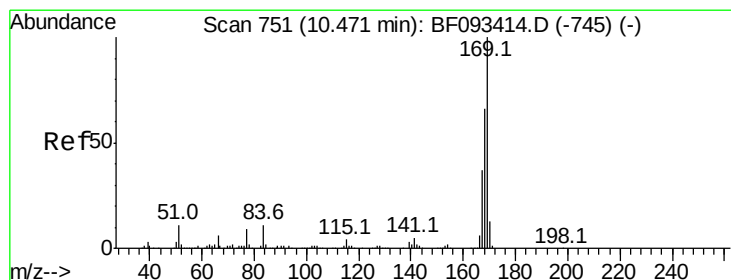
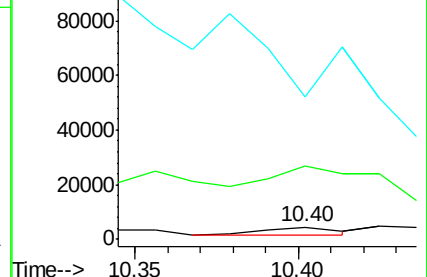
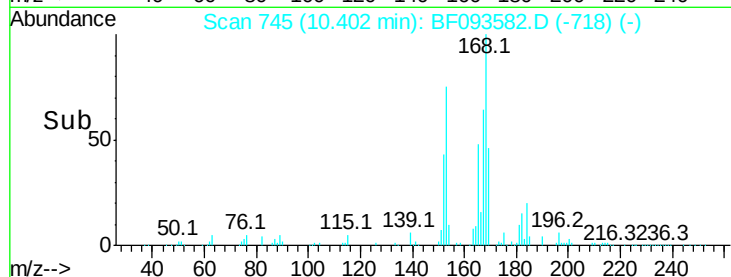
105 1164.8 16.6 56.6#



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: 70.00 ng

RT: 10.46 min Scan# 750

Delta R.T. 0.03 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

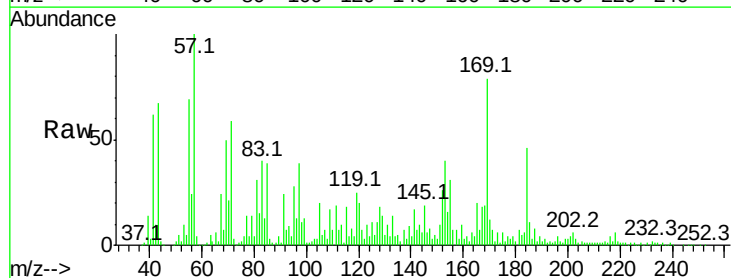
Tgt Ion:169 Resp: 652801

Ion Ratio Lower Upper

169 100

168 24.1 54.2 81.2#

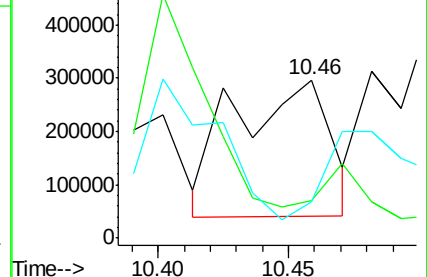
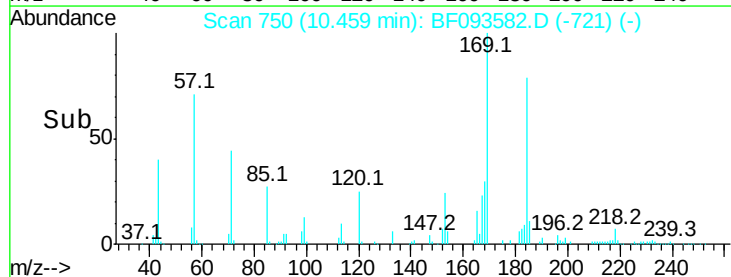
167 22.7 30.2 45.4#

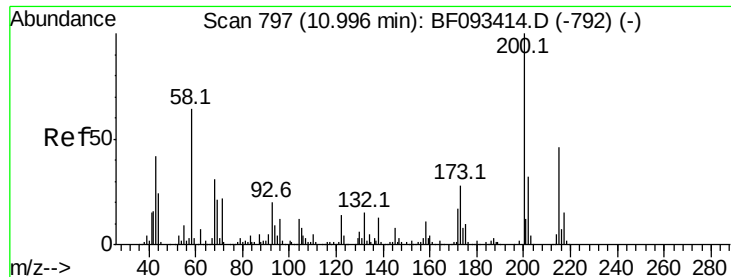


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 17.35 ng

RT: 10.98 min Scan# 796

Delta R.T. 0.03 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

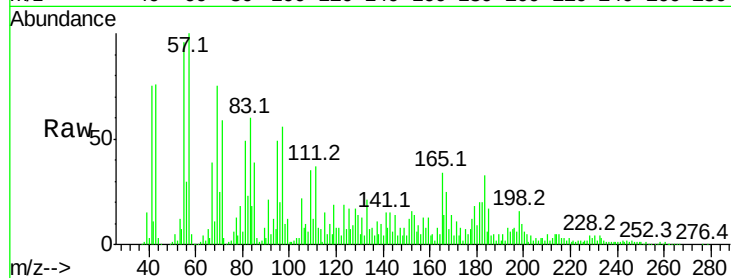
Tot Ion:200 Resp: 47354

Ion Ratio Lower Upper

200 100

173 135.9 9.6 49.6#

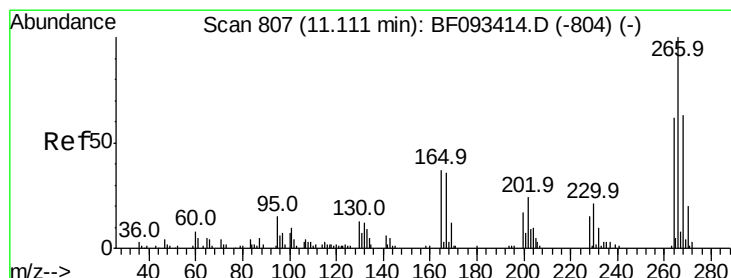
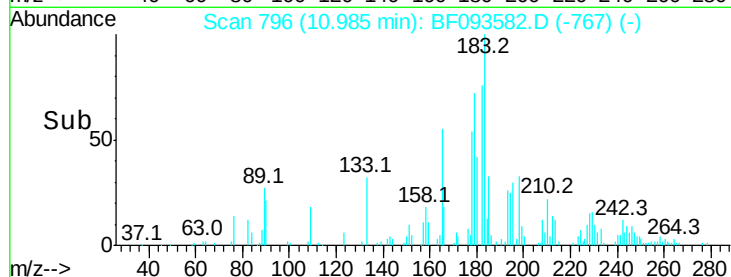
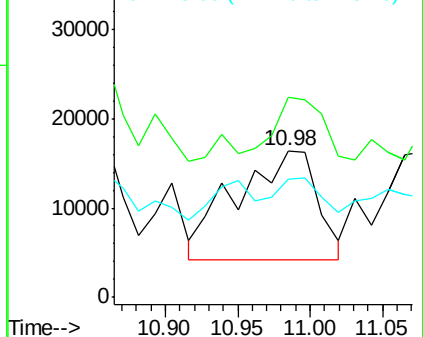
215 80.1 25.7 65.7#



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: 7.17 ng

RT: 11.11 min Scan# 807

Delta R.T. 0.05 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

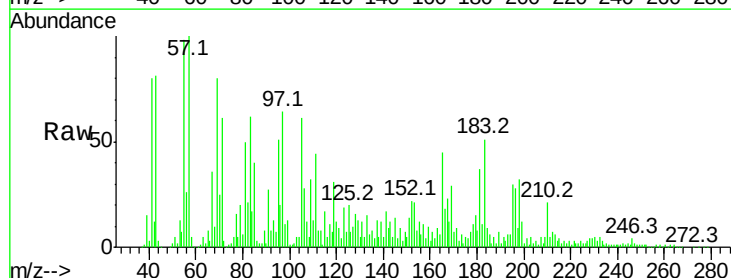
Tgt Ion:266 Resp: 6984

Ion Ratio Lower Upper

266 100

268 0.0 53.3 79.9#

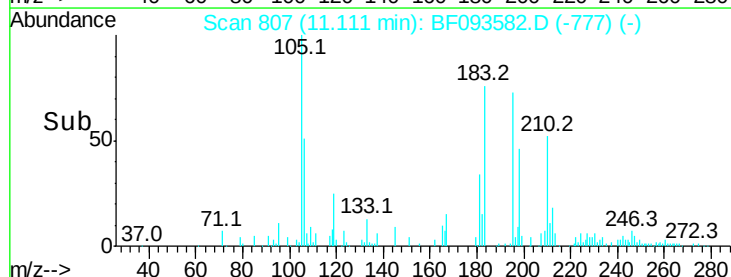
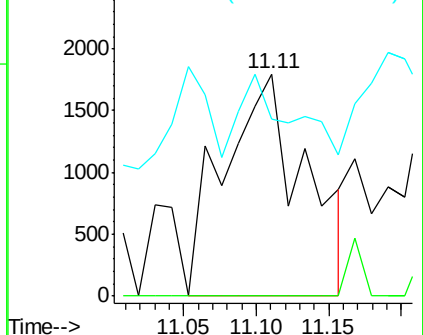
264 80.0 50.3 75.5#

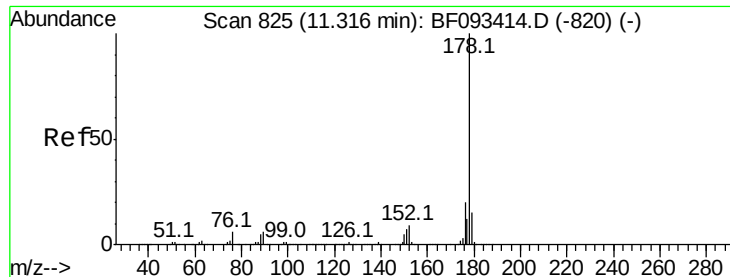


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

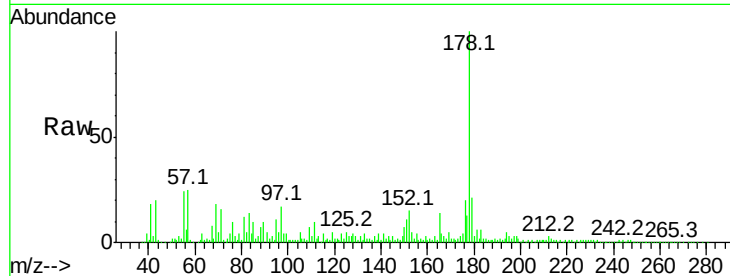




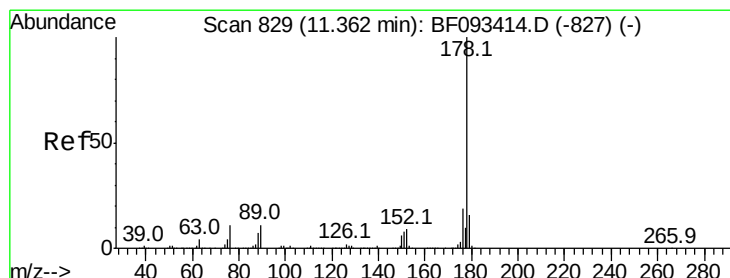
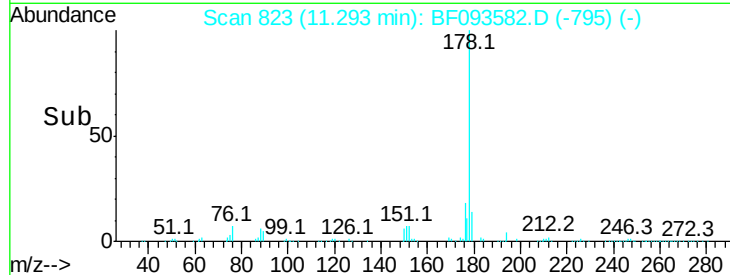
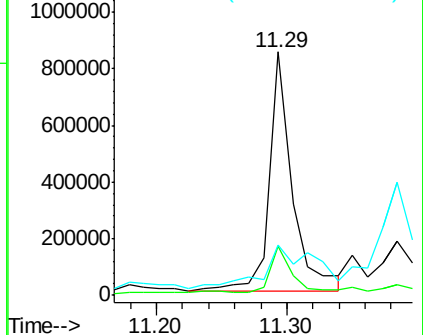
#70
Phenanthrene
Concen: 66.35 ng
RT: 11.29 min Scan# 823
Delta R.T. 0.02 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 1057700
Ion Ratio Lower Upper
178 100
176 19.9 16.6 25.0
179 20.8 12.8 19.2#

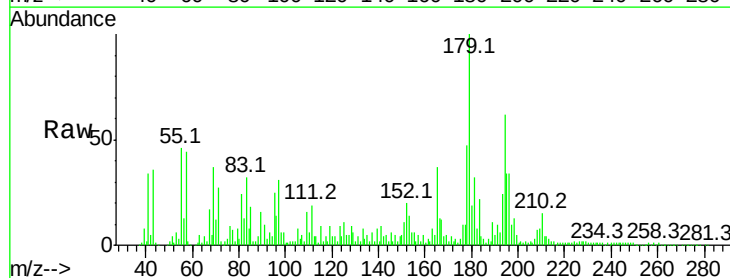


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

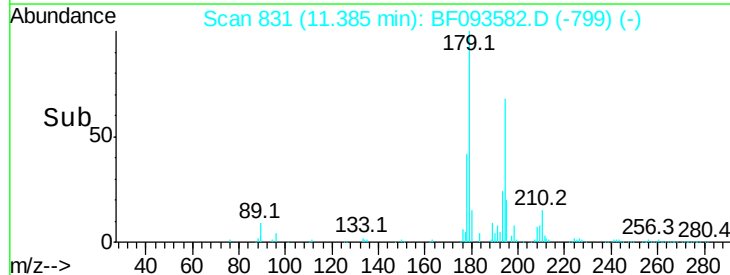
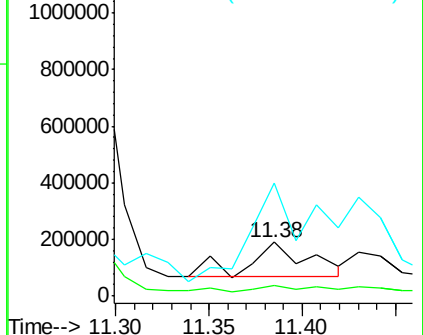


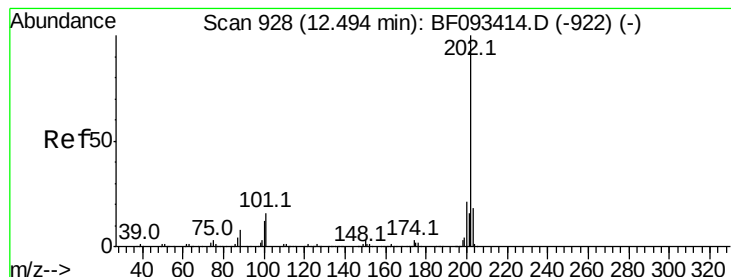
#71
Anthracene
Concen: 16.23 ng
RT: 11.38 min Scan# 831
Delta R.T. 0.07 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Tgt Ion:178 Resp: 261734
Ion Ratio Lower Upper
178 100
176 20.7 15.9 23.9
179 211.5 13.2 19.8#



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





#74

Fluoranthene

Concen: 10.36 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampled :

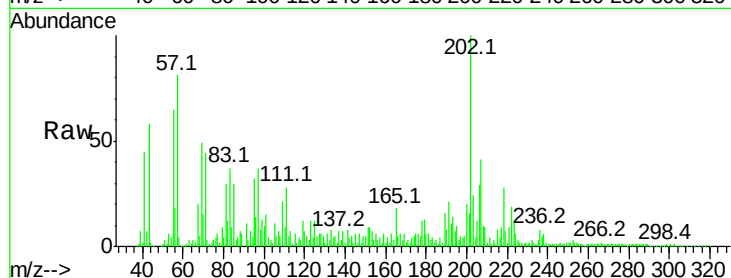
Tot Ion:202 Resp: 159593

Ion Ratio Lower Upper

202 100

101 15.2 0.0 34.6

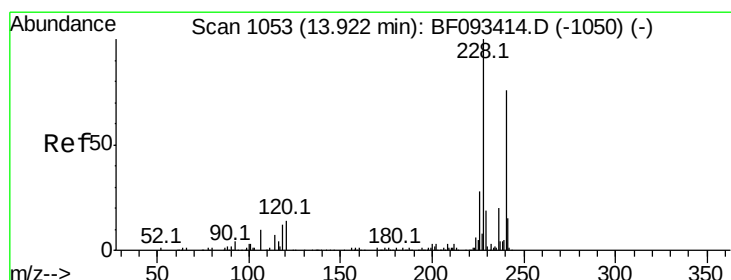
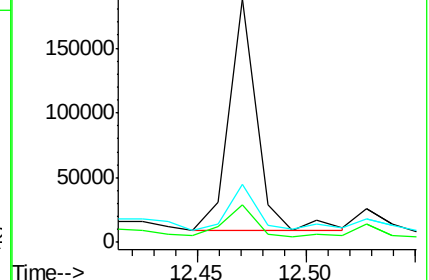
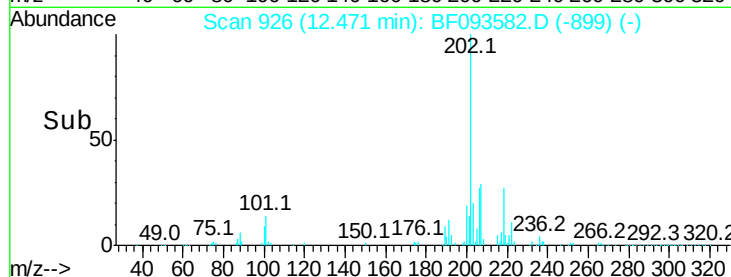
203 23.8 0.0 38.7



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: 13.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

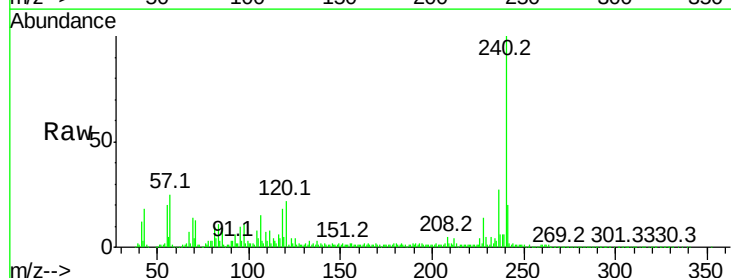
Tgt Ion:240 Resp: 329505

Ion Ratio Lower Upper

240 100

120 21.6 12.9 19.3#

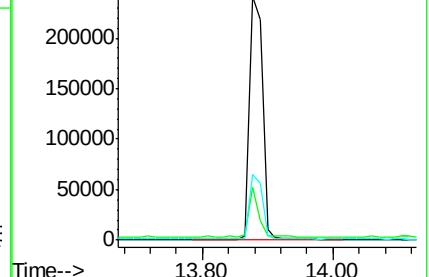
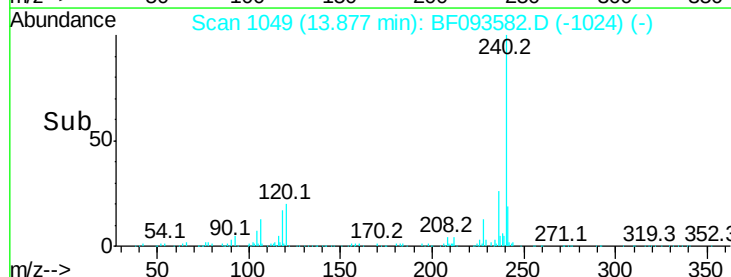
236 26.9 20.9 31.3

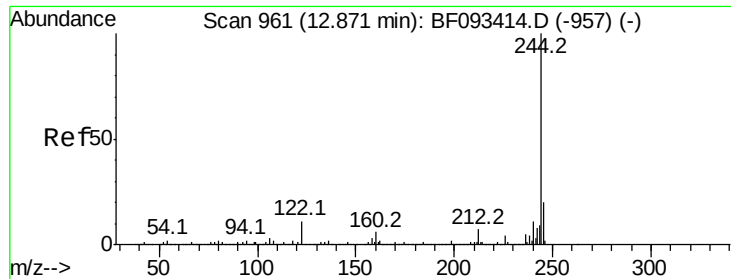


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 48.33 ng

RT: 12.82 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

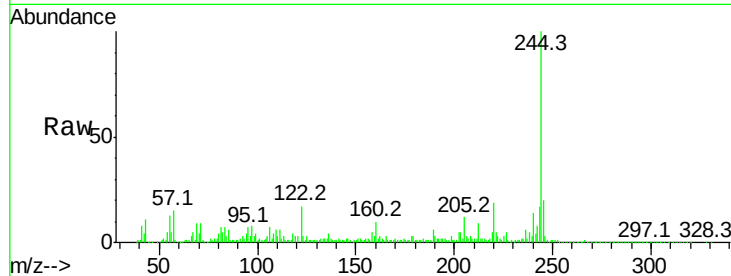
Tot Ion:244 Resp: 612504

Ion Ratio Lower Upper

244 100

212 8.5 6.2 9.2

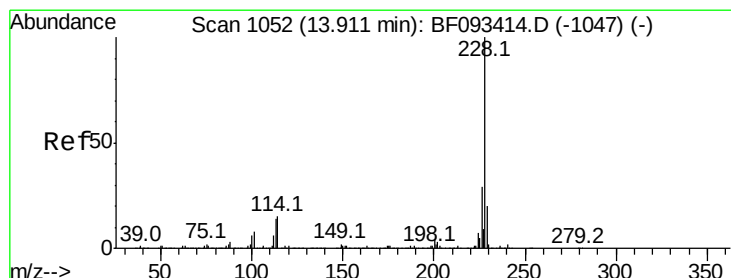
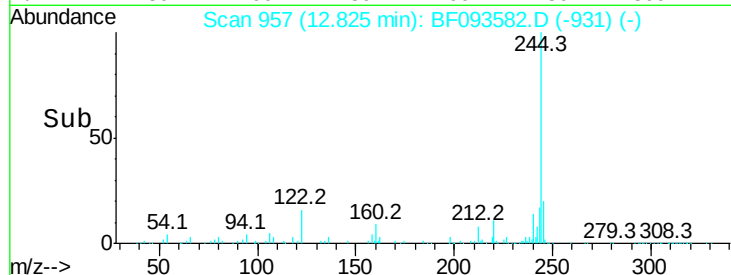
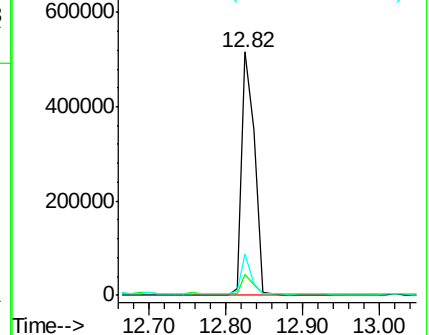
122 17.2 11.4 17.2#



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: 4.42 ng

RT: 13.88 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

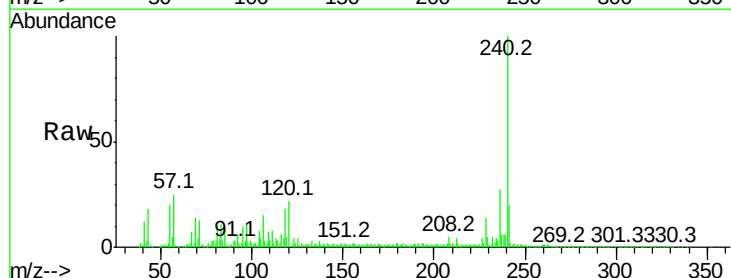
Tgt Ion:228 Resp: 86008

Ion Ratio Lower Upper

228 100

226 31.4 22.4 33.6

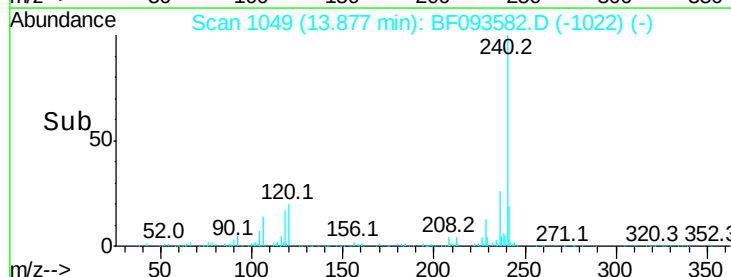
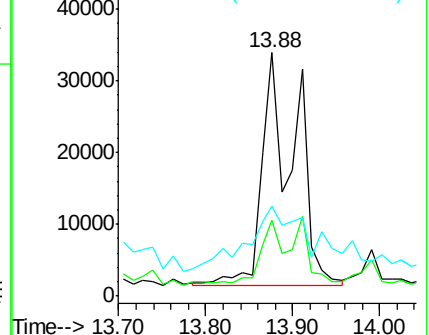
229 37.0 16.2 24.4#

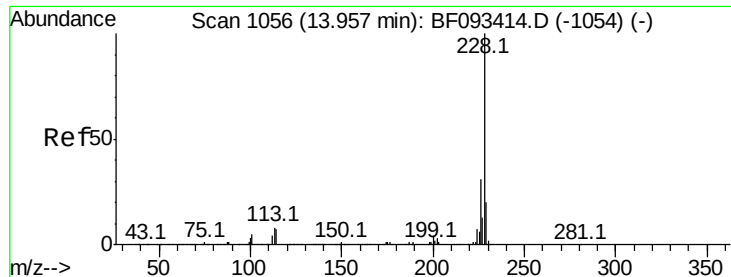


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

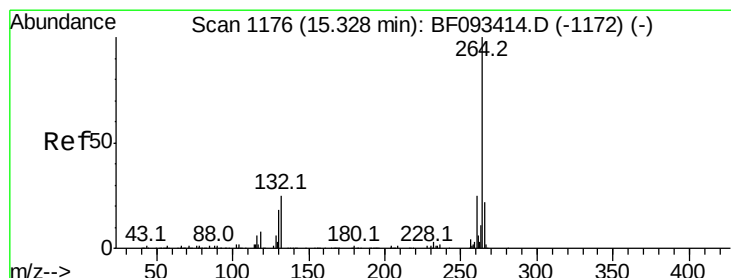
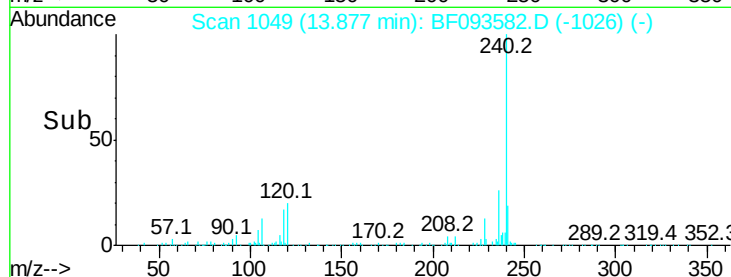
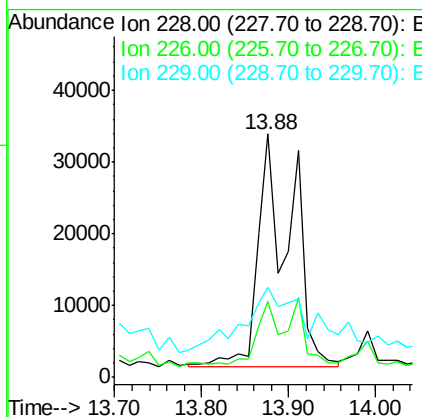
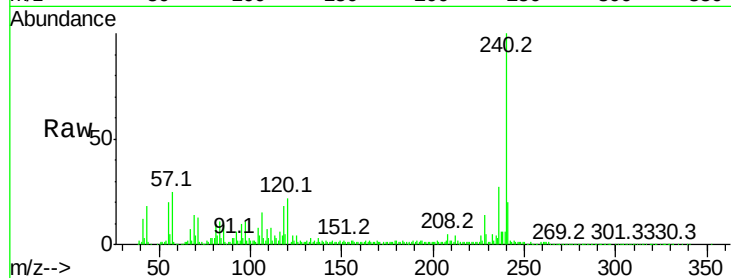




#82
 Chrysene
 Concen: 4.78 ng
 RT: 13.88 min Scan# 1049
 Delta R.T. -0.03 min
 Lab File: BF093582.D
 Acq: 11 Mar 2017 22:05

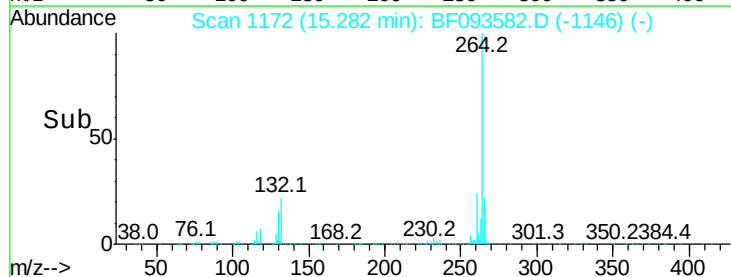
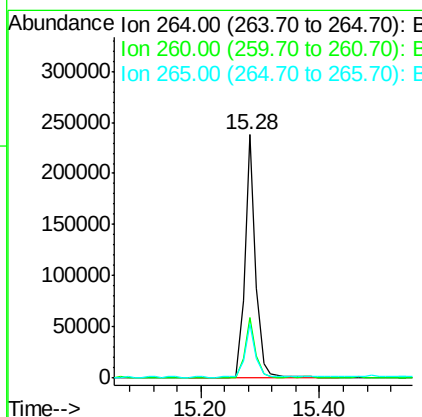
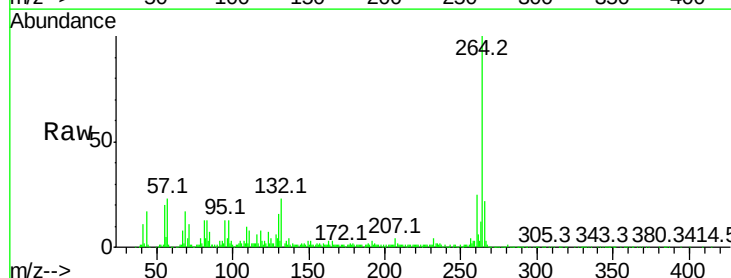
Instrument :
 BNA_F
 ClientSampleId :

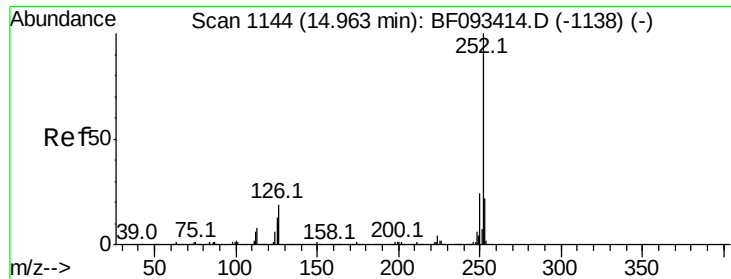
Tot Ion:228 Resp: 86008
 Ion Ratio Lower Upper
 228 100
 226 31.4 25.4 38.0
 229 37.0 16.2 24.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF093582.D
 Acq: 11 Mar 2017 22:05

Tgt Ion:264 Resp: 293284
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 22.1 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 2.87 ng

RT: 14.89 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

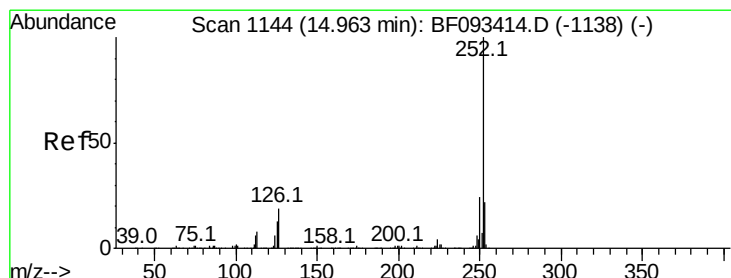
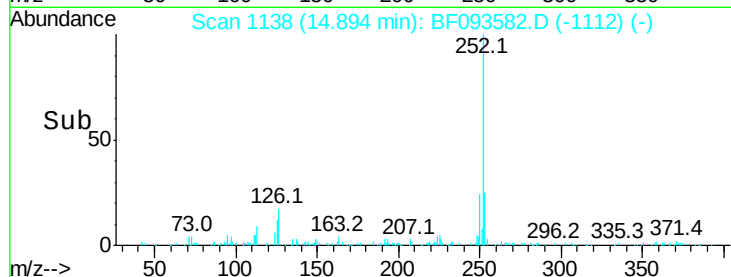
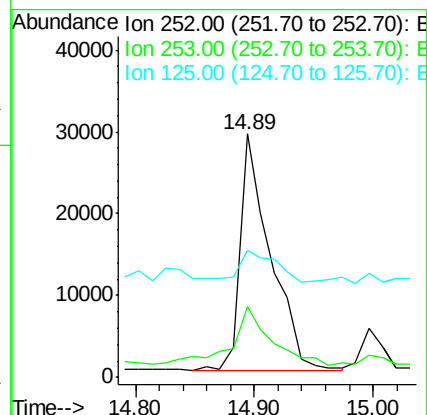
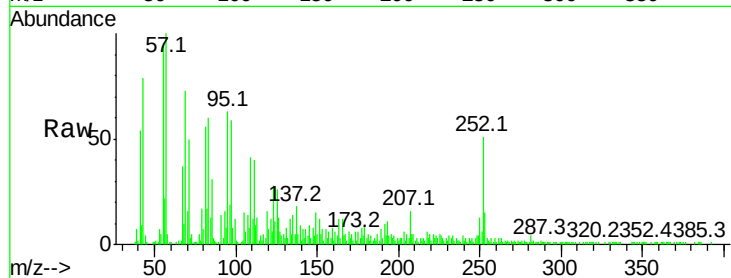
Tot Ion:252 Resp: 51209

Ion Ratio Lower Upper

252 100

253 29.3 18.2 27.4#

125 52.0 9.8 14.6#



#88

Benzo(k)fluoranthene

Concen: 2.97 ng

RT: 14.89 min Scan# 1138

Delta R.T. -0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Tgt Ion:252 Resp: 51209

Ion Ratio Lower Upper

252 100

253 29.3 18.5 27.7#

125 52.0 8.9 13.3#

