

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078640.D
 Acq On : 18 Apr 2015 12:50
 Operator : TP/IZ
 Sample : G1854-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB11A

Quant Time: Apr 20 00:59:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	40994	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	166930	20.00	ng	0.01
38) Acenaphthene-d10	10.41	164	87020	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	171039	20.00	ng	0.02
75) Chrysene-d12	15.49	240	192321	20.00	ng	0.02
86) Perylene-d12	17.19	264	189913	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	172714	69.47	ng	0.00
7) Phenol-d6	6.30	99	226324	72.63	ng	0.01
23) Nitrobenzene-d5	7.38	82	141062	51.22	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	60513	83.85	ng	0.01
44) 2-Fluorobiphenyl	9.61	172	281404	46.22	ng	0.01
78) Terphenyl-d14	14.23	244	361990	42.53	ng	0.02

Target Compounds						Qvalue
18) Hexachloroethane	7.28	117	4661	4.25	ng	# 1
25) Isophorone	7.67	82	16074	3.08	ng	# 1
31) Naphthalene	8.28	128	70165	8.08	ng	99
32) Benzoic acid	8.10	122	536	6.19	ng	# 1
35) Caprolactam	8.86	113	29999	43.30	ng	# 51
36) 4-Chloro-3-methylphenol	9.05	107	8027	3.43	ng	# 38
37) 2-Methylnaphthalene	9.14	142	70151	11.89	ng	# 93
42) 2,4,6-Trichlorophenol	9.53	196	3676	2.16	ng	# 13
48) Acenaphthylene	10.24	152	36436	4.03	ng	# 62
49) Dimethylphthalate	10.12	163	22611	3.46	ng	# 86
50) 2,6-Dinitrotoluene	10.18	165	3496	2.60	ng	# 80
51) Acenaphthene	10.46	154	31001	6.09	ng	# 92
54) Dibenzofuran	10.67	168	32520	4.18	ng	# 64
55) 4-Nitrophenol	10.67	139	24363	23.65	ng	# 52
56) 2,4-Dinitrotoluene	10.68	165	15302	8.78	ng	# 55
57) Fluorene	11.08	166	69703	11.06	ng	# 85
64) 4,6-Dinitro-2-methylphenol	11.18	198	874	9.41	ng	# 1
65) n-Nitrosodiphenylamine	11.26	169	126905	21.45	ng	# 51
68) Atrazine	11.92	200	5861	3.42	ng	# 33
70) Phenanthrene	12.26	178	244786	24.74	ng	# 95
71) Anthracene	12.33	178	61210	6.28	ng	# 68
72) Carbazole	12.55	167	20664	2.26	ng	# 35
74) Fluoranthene	13.74	202	261871	25.10	ng	98
77) Pyrene	14.00	202	297102	24.61	ng	# 91
80) Benzo(a)anthracene	15.47	228	182286	15.93	ng	92
82) Chrysene	15.47	228	178809	16.63	ng	97
85) Indeno(1,2,3-cd)pyrene	18.38	276	220959	18.11	ng	# 90
87) Benzo(b)fluoranthene	16.75	252	362153	30.85	ng	# 83
88) Benzo(k)fluoranthene	16.75	252	363953	34.89	ng	# 87
89) Benzo(a)pyrene	17.12	252	222250	21.70	ng	# 83
90) Dibenzo(a,h)anthracene	18.39	278	44617	4.35	ng	# 65
91) Benzo(g,h,i)perylene	18.71	276	216622	21.07	ng	97

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Response via : Initial Calibration

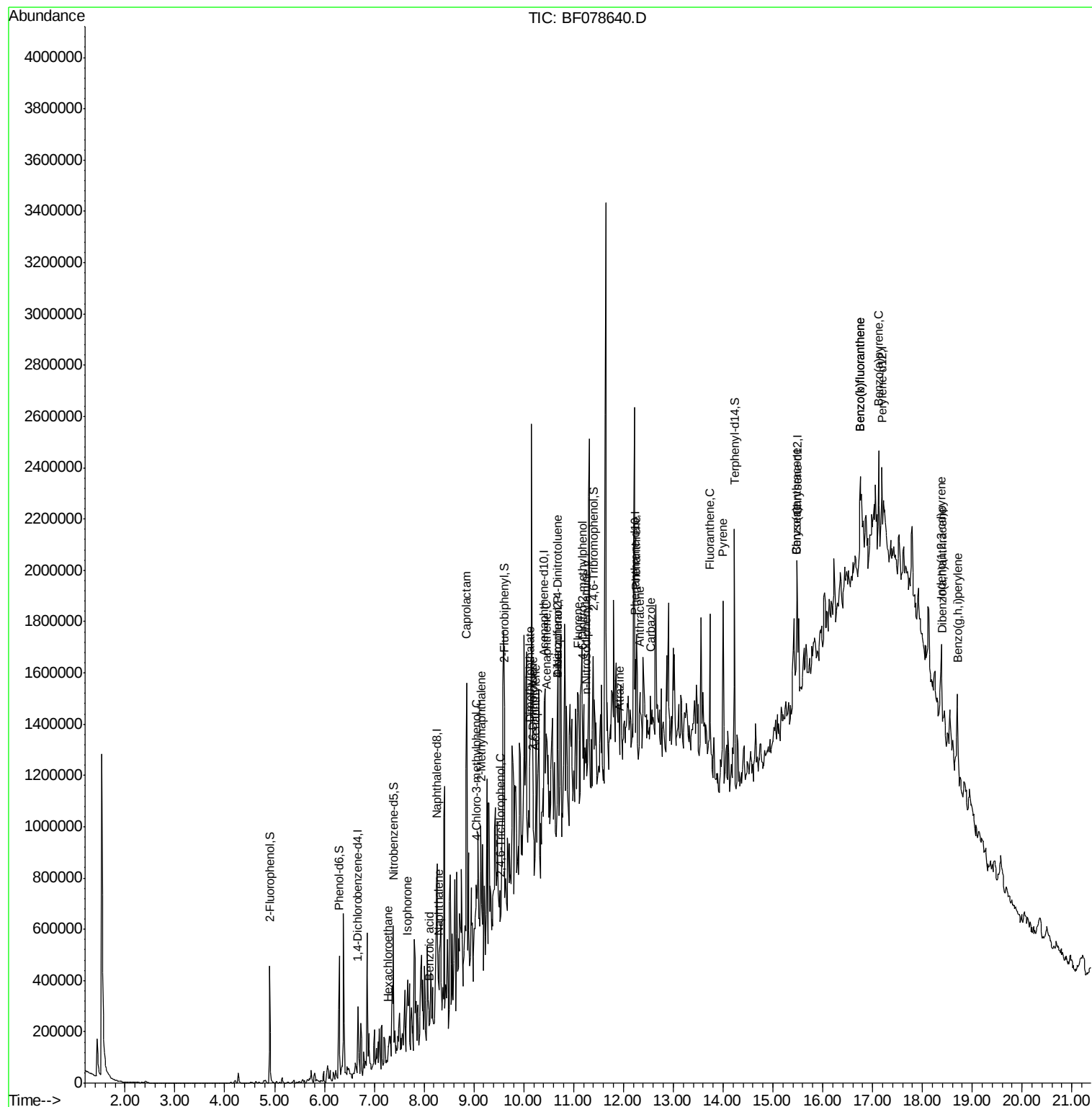
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

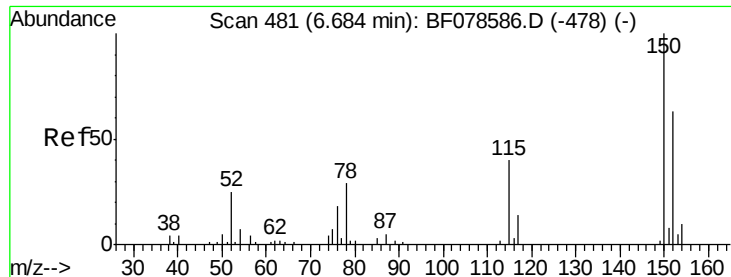
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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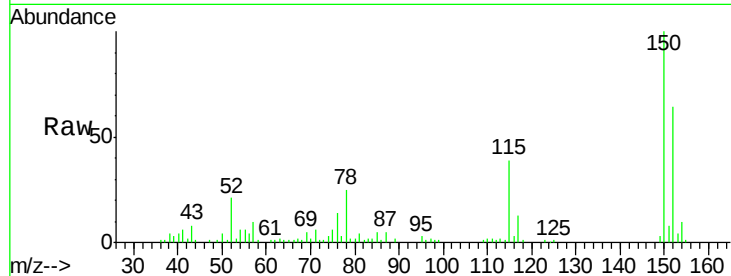


#1

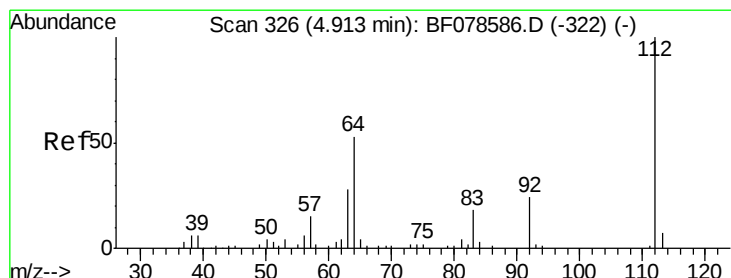
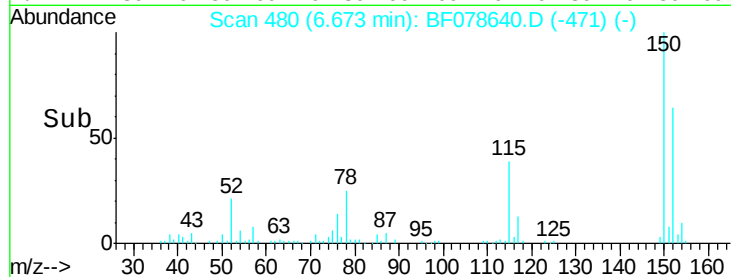
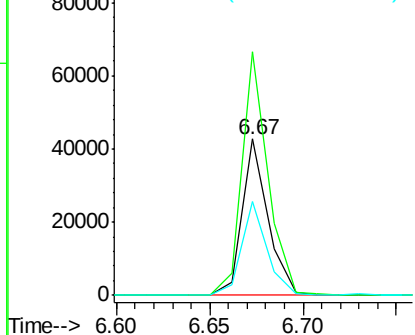
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 480
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Instrument :
BNA_F
ClientSampleId :
LS-SB11A

Tgt Ion:152 Resp: 40994
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 60.2 52.7 79.1



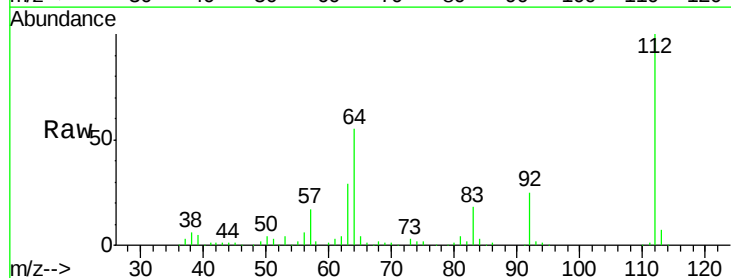
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



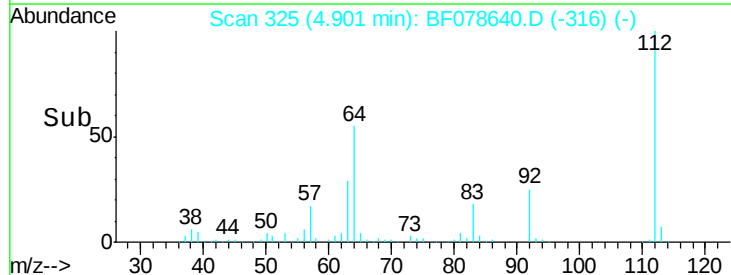
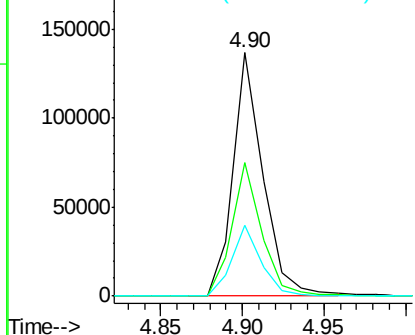
#5

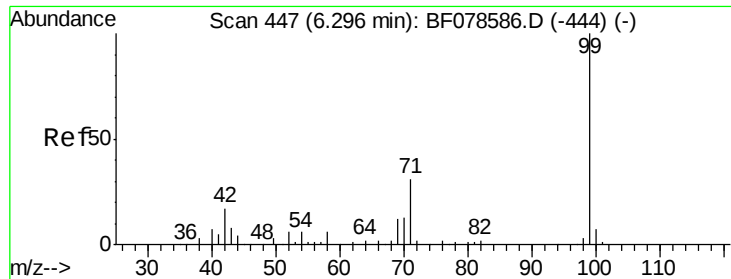
2-Fluorophenol
Concen: 69.47 ng
RT: 4.90 min Scan# 325
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion:112 Resp: 172714
Ion Ratio Lower Upper
112 100
64 55.0 39.9 59.9
63 29.0 20.2 30.4



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: 72.63 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

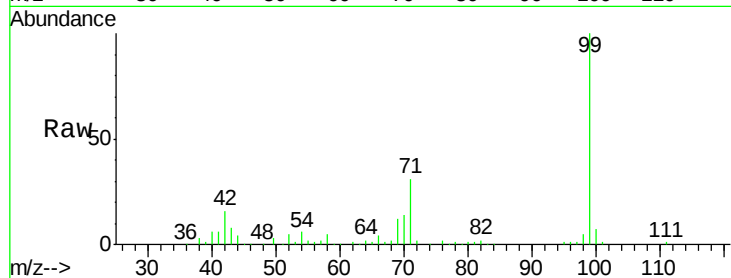
Tgt Ion: 99 Resp: 226324

Ion Ratio Lower Upper

99 100

42 15.5 14.8 22.2

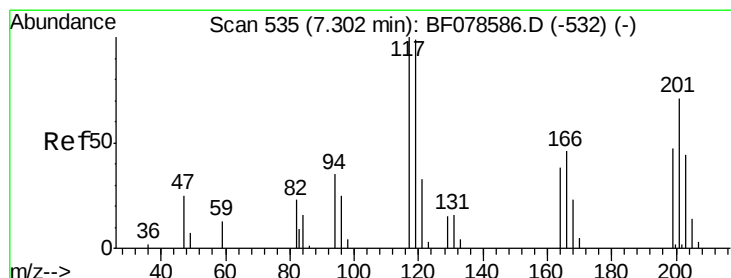
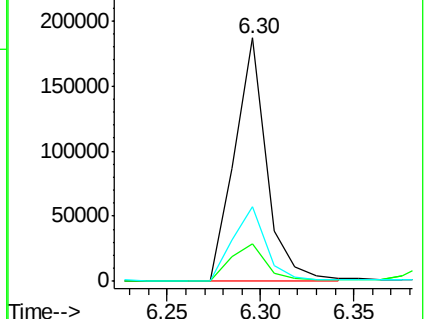
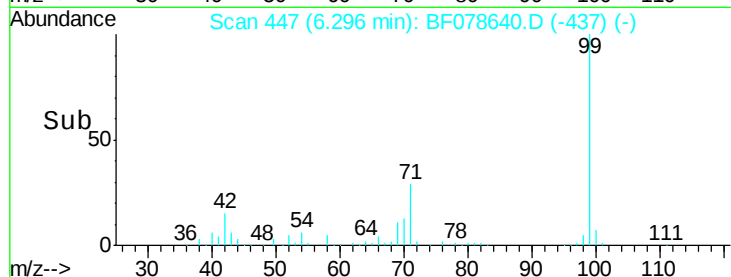
71 30.6 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF078640.D (-444) (-)

Ion 42.00 (41.70 to 42.70): BF078640.D (-444) (-)

Ion 71.00 (70.70 to 71.70): BF078640.D (-444) (-)



#18

Hexachloroethane

Concen: 4.25 ng

RT: 7.28 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

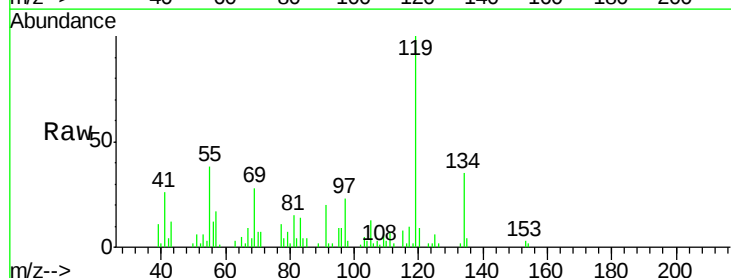
Tgt Ion: 117 Resp: 4661

Ion Ratio Lower Upper

117 100

119 1033.9 77.0 115.6#

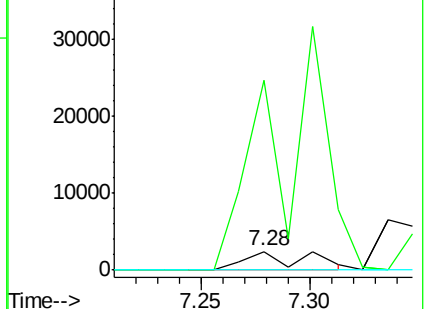
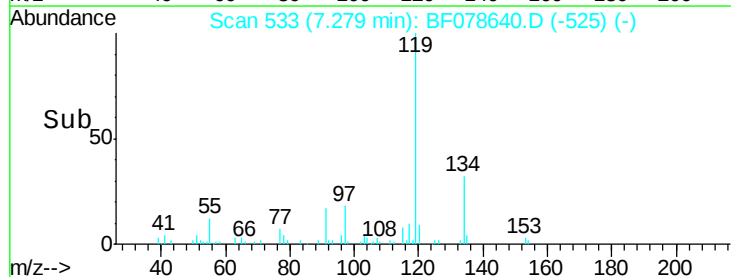
201 0.0 98.1 147.1#

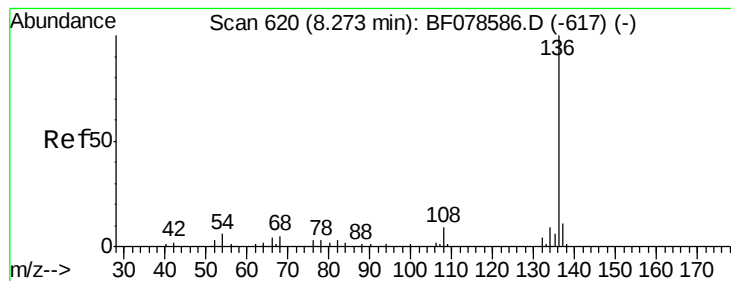


Abundance Ion 117.00 (116.70 to 117.70): BF078640.D (-532) (-)

Ion 119.00 (118.70 to 119.70): BF078640.D (-532) (-)

Ion 201.00 (200.70 to 201.70): BF078640.D (-532) (-)





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 619

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

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LS-SB11A

Tgt Ion: 136 Resp: 166930

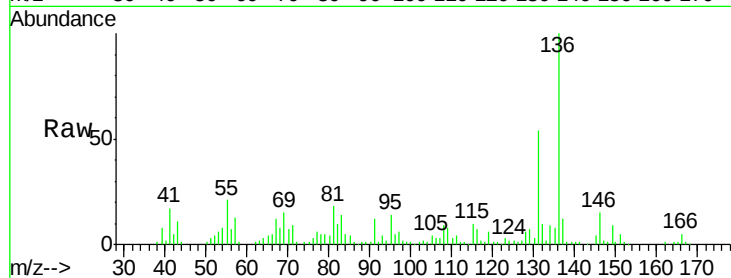
Ion Ratio Lower Upper

136 100

137 11.9 9.0 13.4

54 7.6 7.0 10.6

68 7.6 5.4 8.2

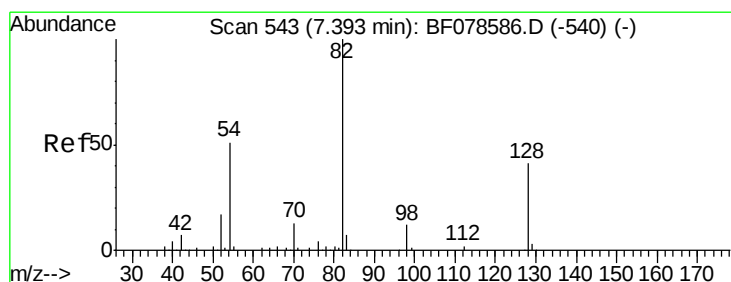
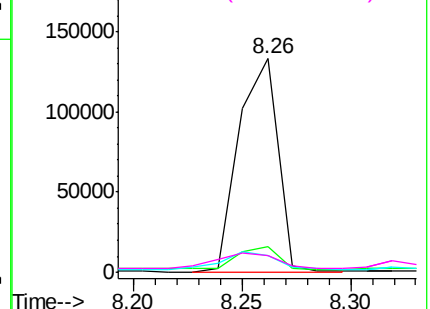
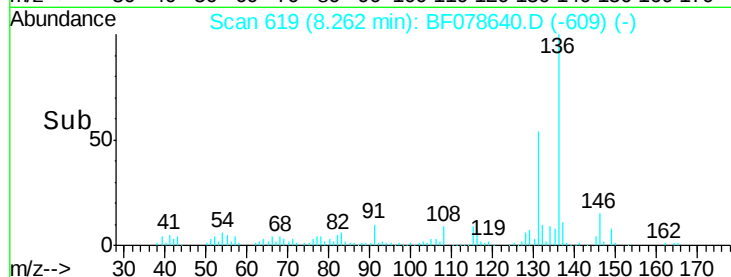


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 51.22 ng

RT: 7.38 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

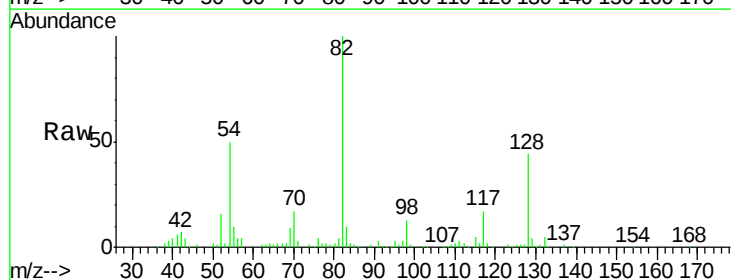
Tgt Ion: 82 Resp: 141062

Ion Ratio Lower Upper

82 100

128 44.4 31.8 47.8

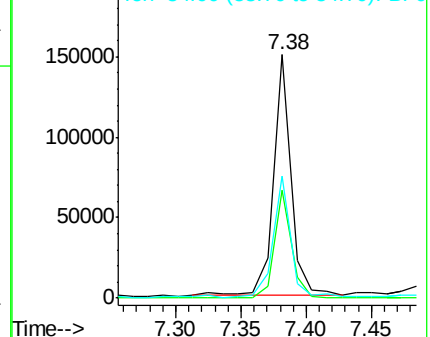
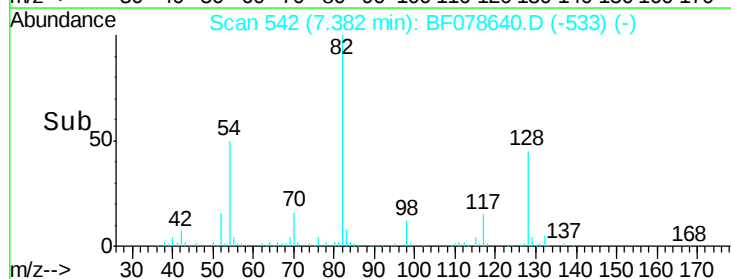
54 50.0 41.5 62.3

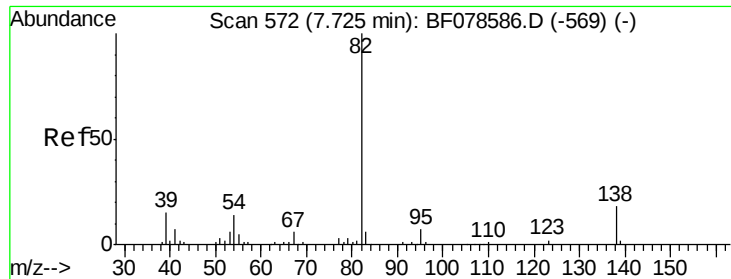


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 3.08 ng

RT: 7.67 min Scan# 567

Delta R.T. -0.05 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

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ClientSampleId :

LS-SB11A

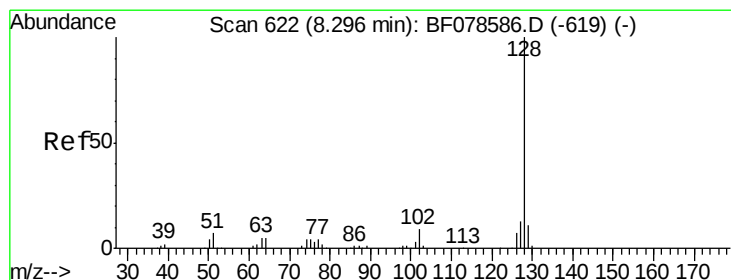
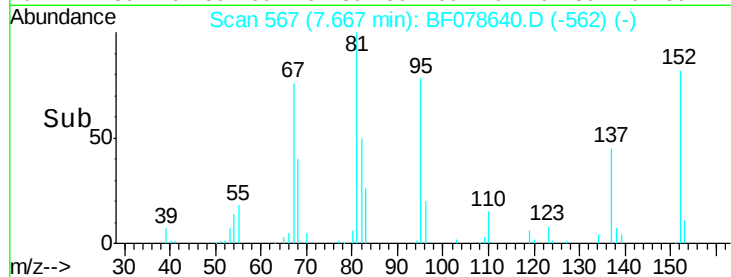
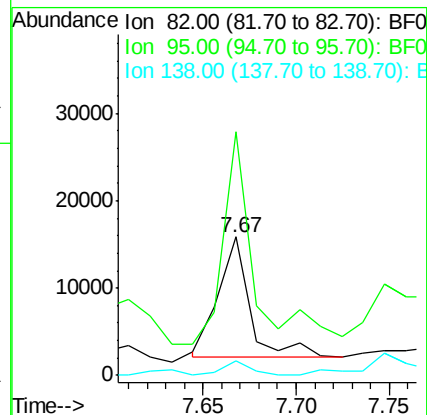
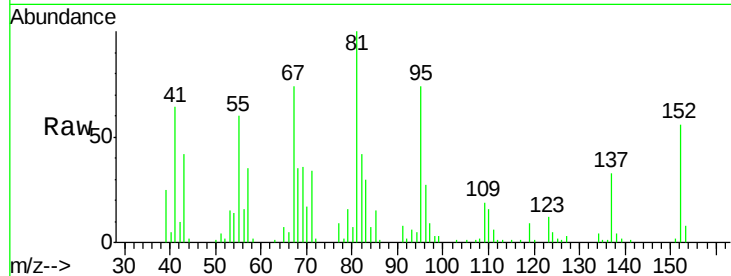
Tgt Ion: 82 Resp: 16074

Ion Ratio Lower Upper

82 100

95 176.4 5.7 8.5#

138 10.2 15.8 23.8#



#31

Naphthalene

Concen: 8.08 ng

RT: 8.28 min Scan# 621

Delta R.T. -0.00 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

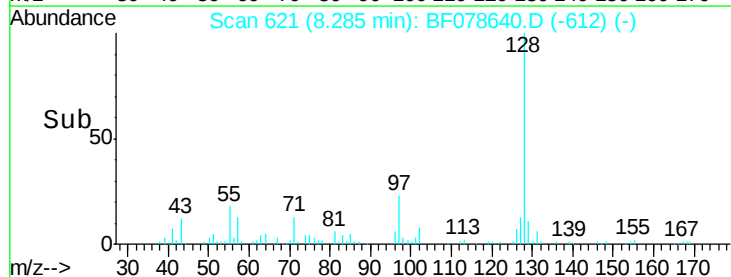
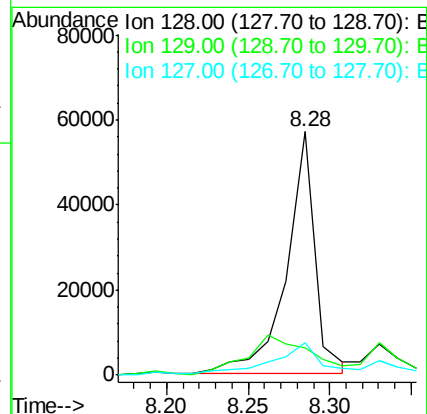
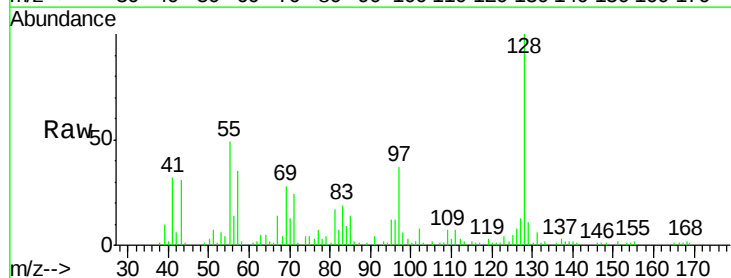
Tgt Ion: 128 Resp: 70165

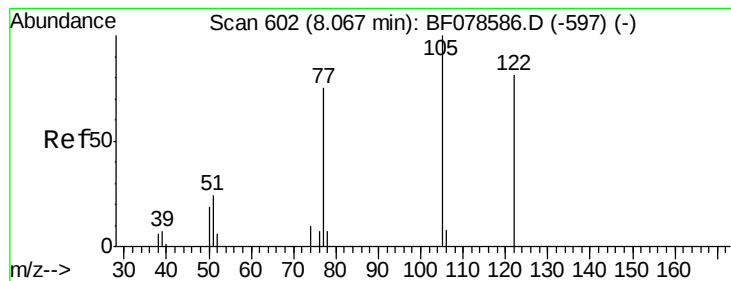
Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 13.3 10.7 16.1





#32

Benzoic acid

Concen: 6.19 ng

RT: 8.10 min Scan# 605

Delta R.T. 0.06 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampled :

LS-SB11A

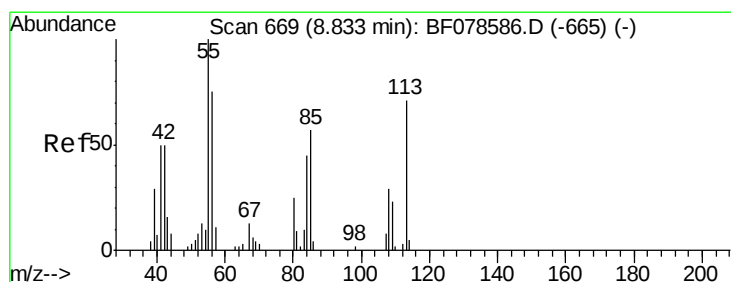
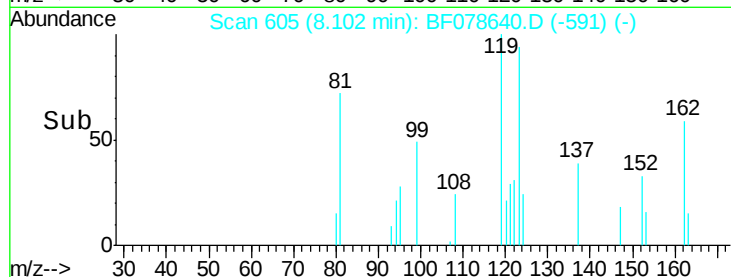
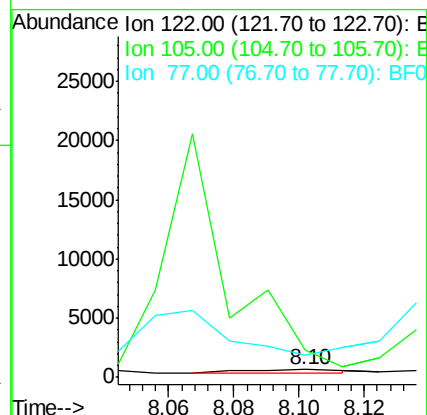
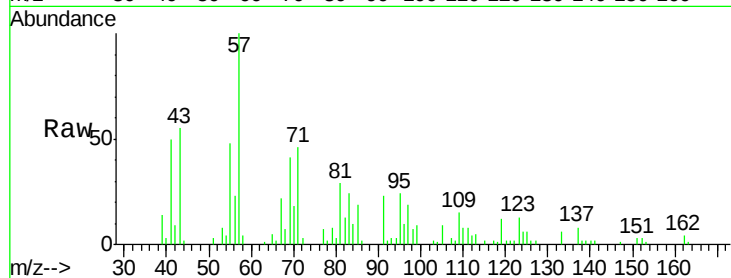
Tgt Ion:122 Resp: 536

Ion Ratio Lower Upper

122 100

105 370.2 96.1 136.1#

77 298.6 64.1 104.1#



#35

Caprolactam

Concen: 43.30 ng

RT: 8.86 min Scan# 671

Delta R.T. 0.05 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

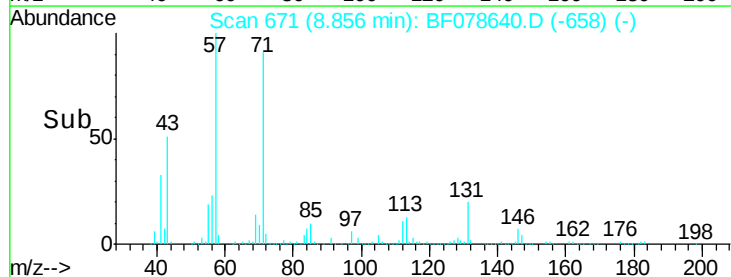
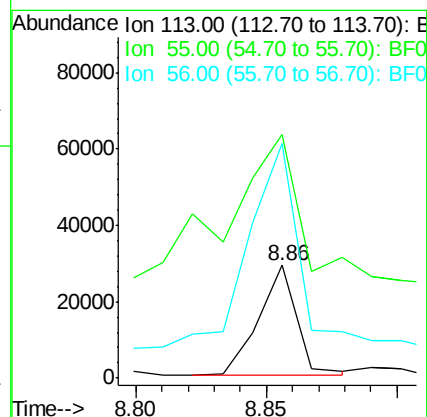
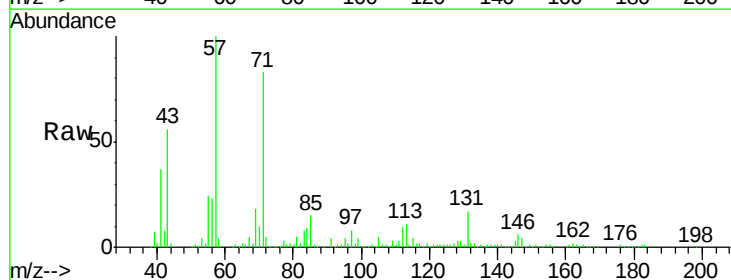
Tgt Ion:113 Resp: 29999

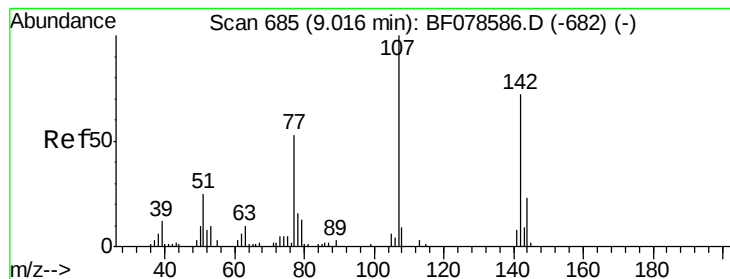
Ion Ratio Lower Upper

113 100

55 216.0 151.9 191.9#

56 207.9 106.1 146.1#

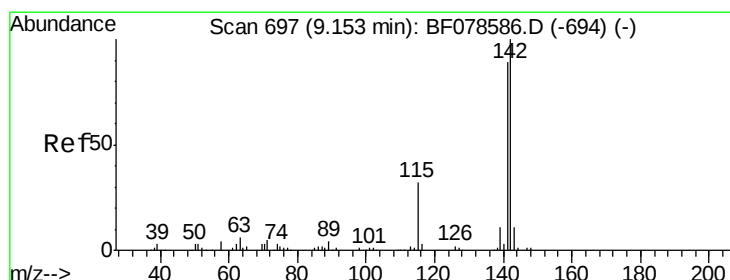
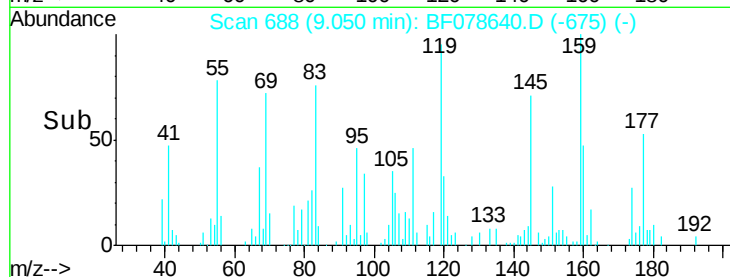
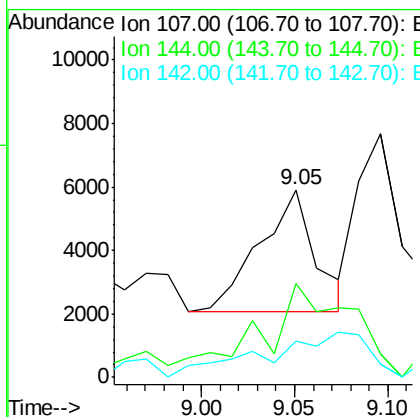
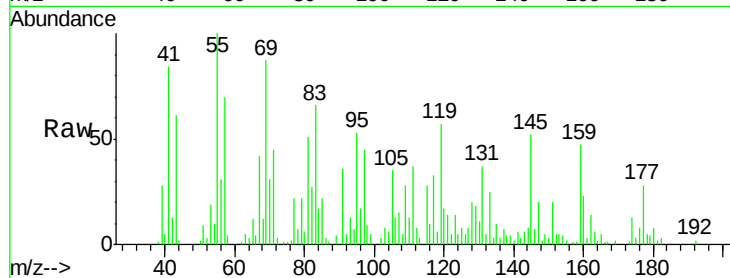




#36
 4-Chloro-3-methylphenol
 Concen: 3.43 ng
 RT: 9.05 min Scan# 688
 Delta R.T. 0.05 min
 Lab File: BF078640.D
 Acq: 18 Apr 2015 12:50

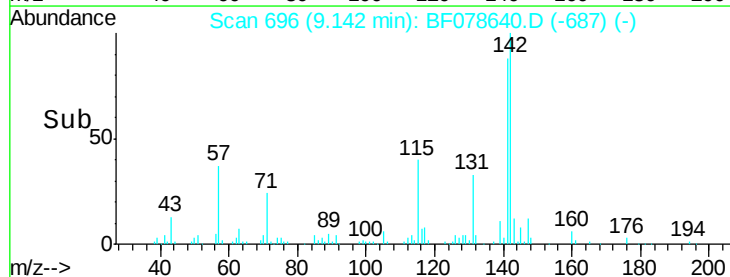
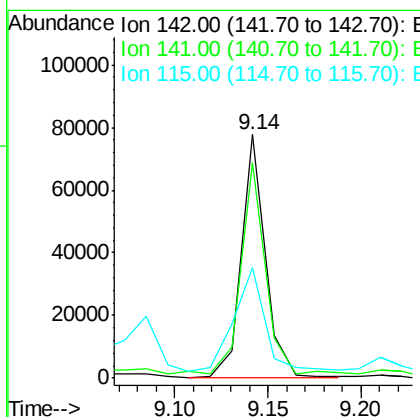
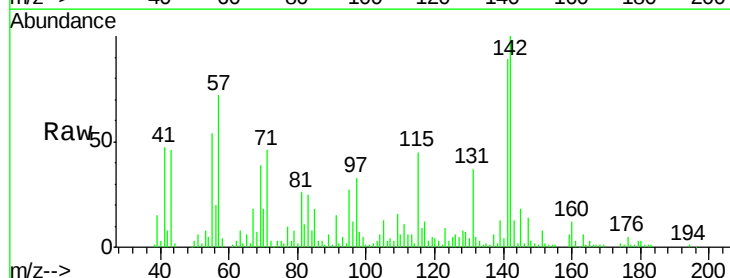
Instrument :
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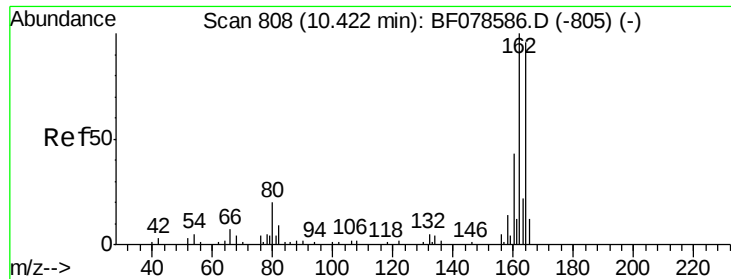
Tgt Ion:107 Resp: 8027
 Ion Ratio Lower Upper
 107 100
 144 50.2 18.2 27.2#
 142 19.2 58.0 87.0#



#37
 2-Methylnaphthalene
 Concen: 11.89 ng
 RT: 9.14 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF078640.D
 Acq: 18 Apr 2015 12:50

Tgt Ion:142 Resp: 70151
 Ion Ratio Lower Upper
 142 100
 141 88.5 70.3 105.5
 115 45.4 24.6 37.0#

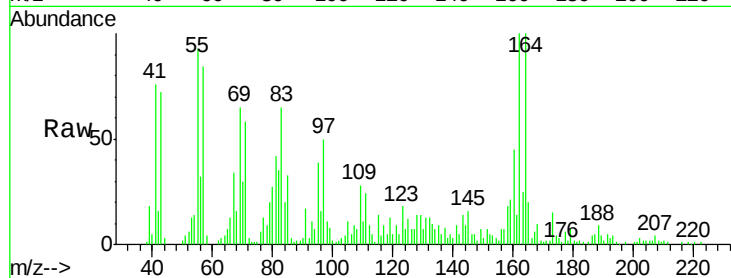




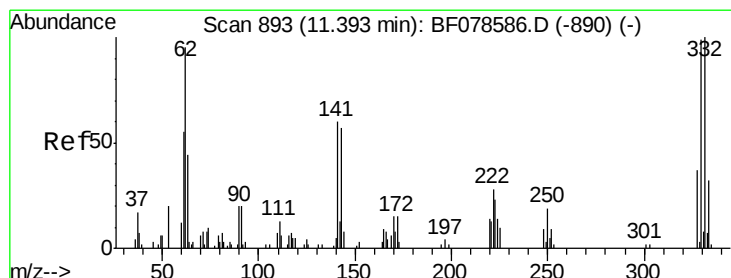
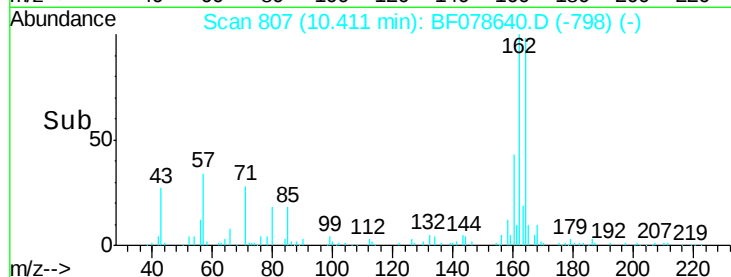
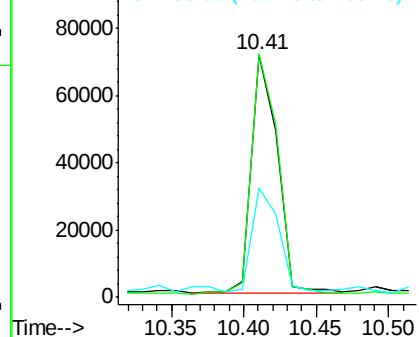
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.41 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Instrument :
BNA_F
ClientSampleId :
LS-SB11A

Tgt Ion:164 Resp: 87020
Ion Ratio Lower Upper
164 100
162 100.4 82.2 123.2
160 44.8 34.7 52.1

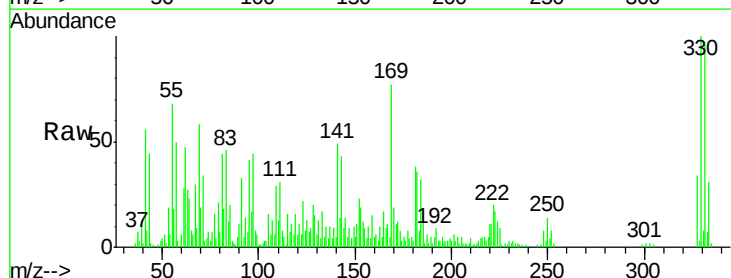


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

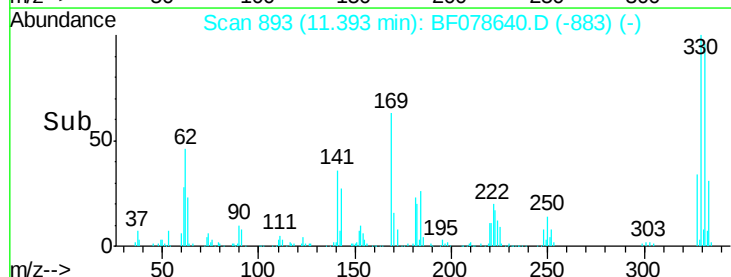
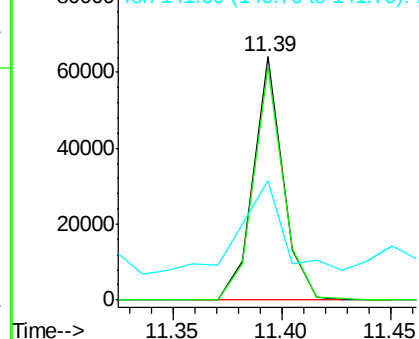


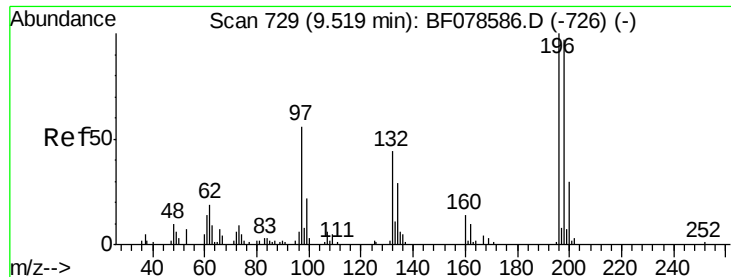
#41
2,4,6-Tribromophenol
Concen: 83.85 ng
RT: 11.39 min Scan# 893
Delta R.T. 0.01 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion:330 Resp: 60513
Ion Ratio Lower Upper
330 100
332 97.2 78.6 117.8
141 50.3 31.2 46.8#



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: 2.16 ng

RT: 9.53 min Scan# 730

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

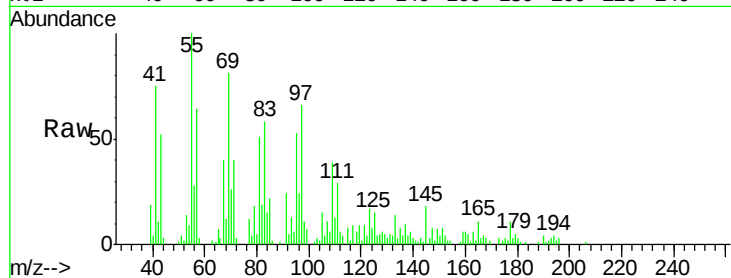
Tgt Ion:196 Resp: 3676

Ion Ratio Lower Upper

196 100

198 0.0 75.4 113.2#

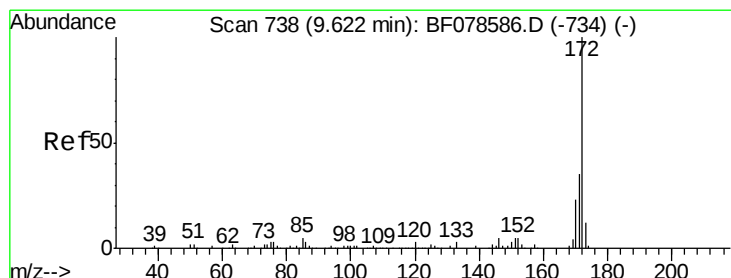
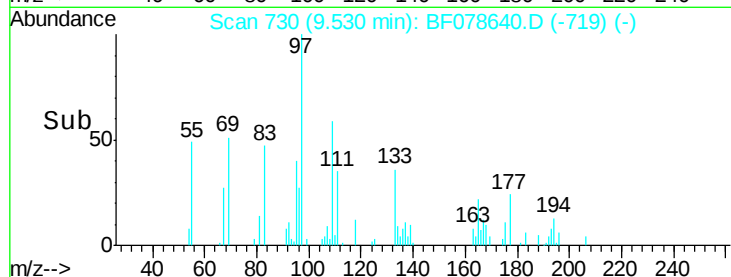
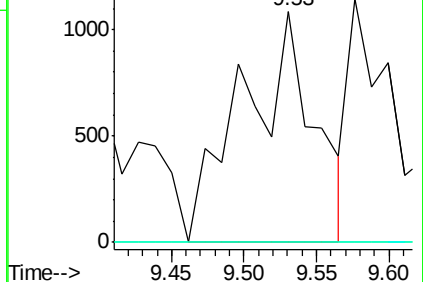
200 0.0 24.0 36.0#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2-Fluorobiphenyl

Concen: 46.22 ng

RT: 9.61 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

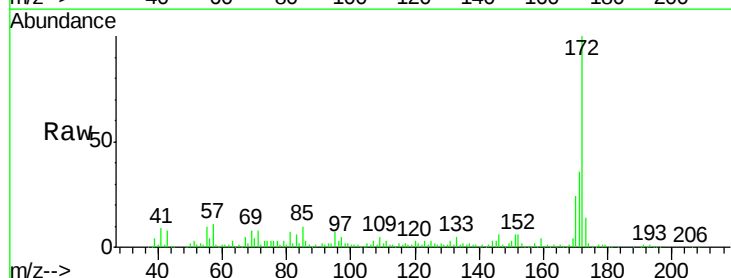
Tgt Ion:172 Resp: 281404

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

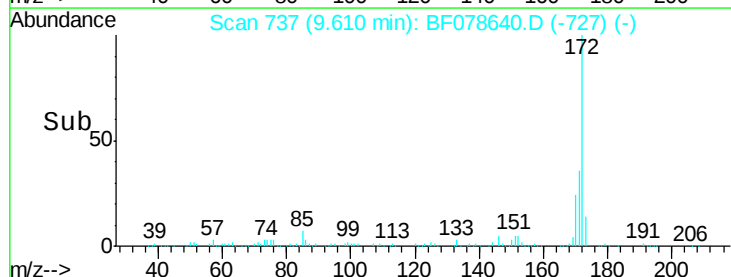
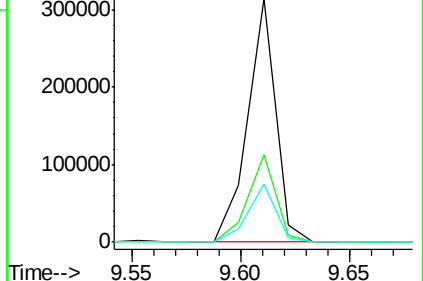
170 24.1 18.5 27.7

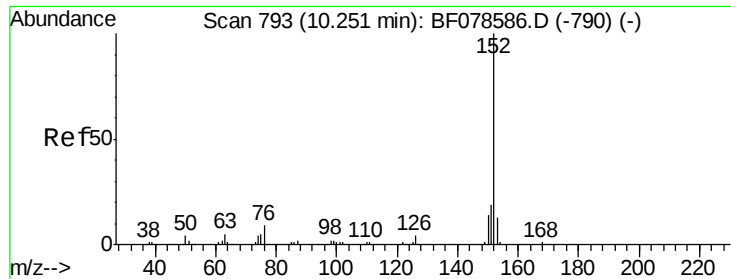


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 4.03 ng

RT: 10.24 min Scan# 792

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

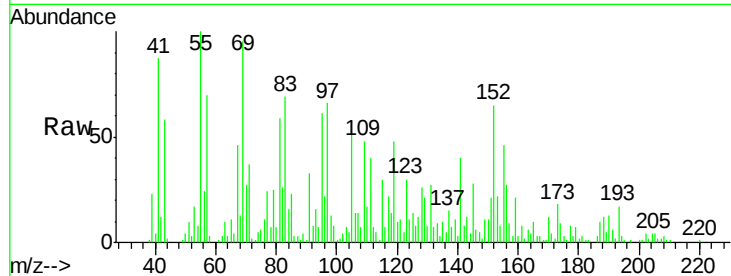
Tgt Ion:152 Resp: 36436

Ion Ratio Lower Upper

152 100

151 33.0 15.7 23.5#

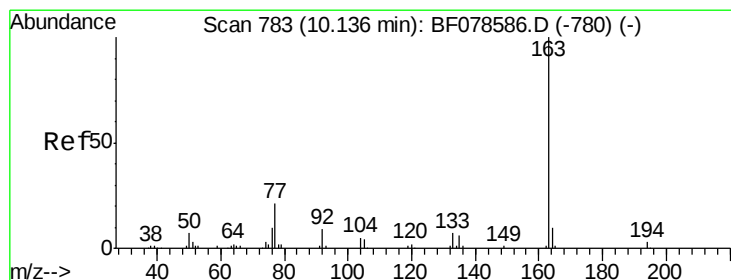
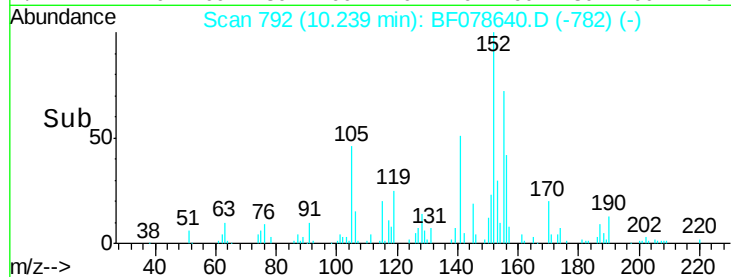
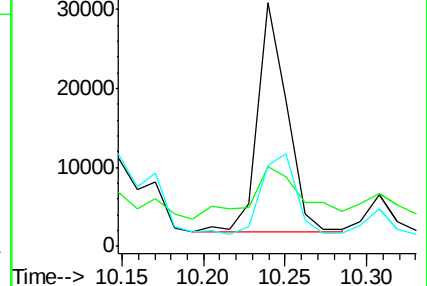
153 33.4 10.2 15.2#



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: 3.46 ng

RT: 10.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

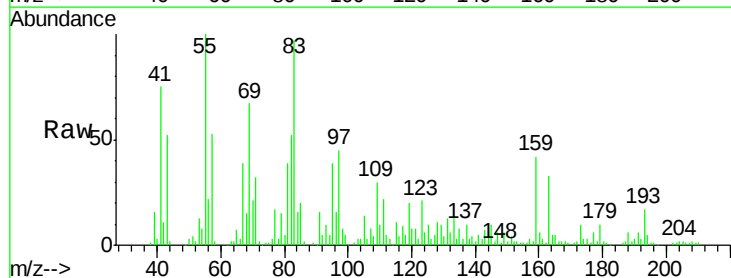
Tgt Ion:163 Resp: 22611

Ion Ratio Lower Upper

163 100

194 14.3 2.3 3.5#

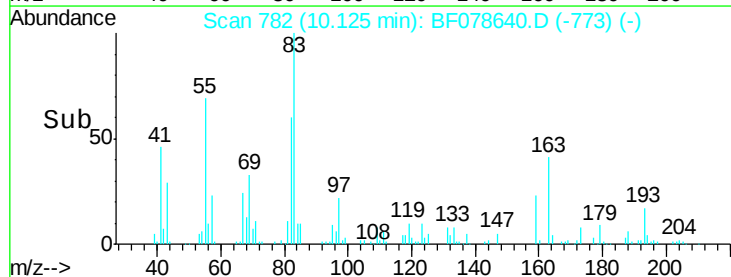
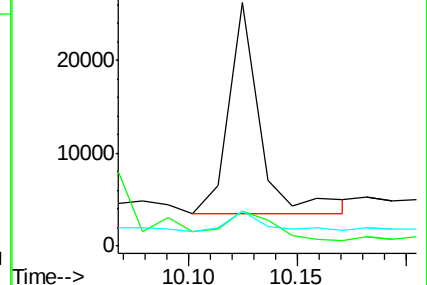
164 14.2 8.6 13.0#

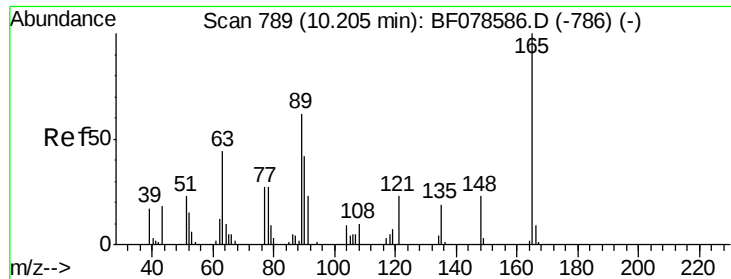


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

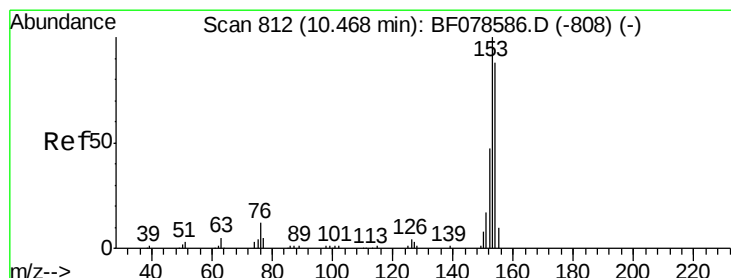
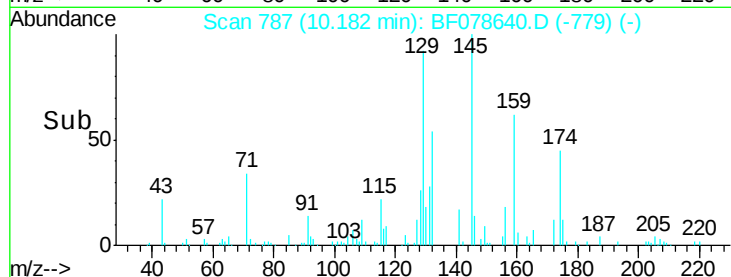
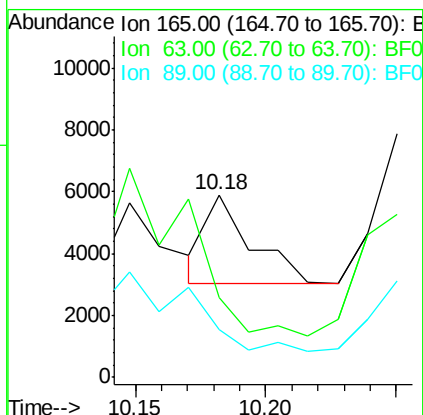
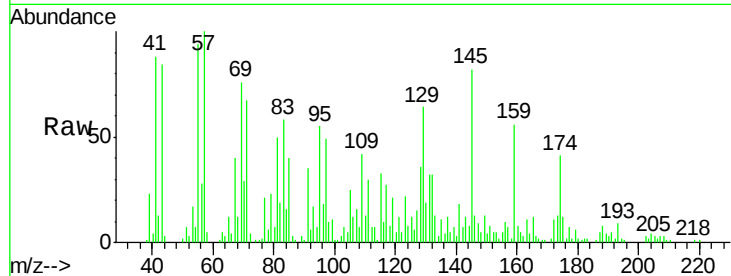




#50
 2,6-Dinitrotoluene
 Concen: 2.60 ng
 RT: 10.18 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF078640.D
 Acq: 18 Apr 2015 12:50

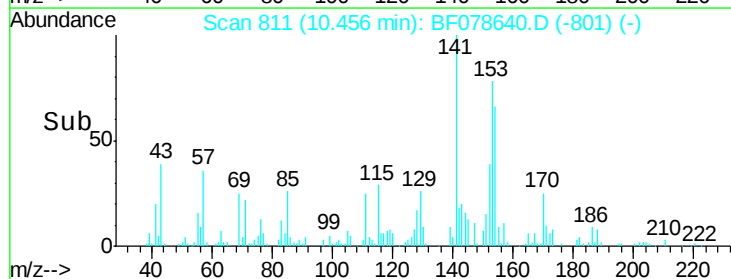
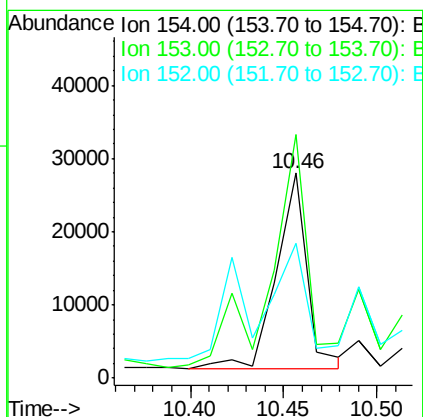
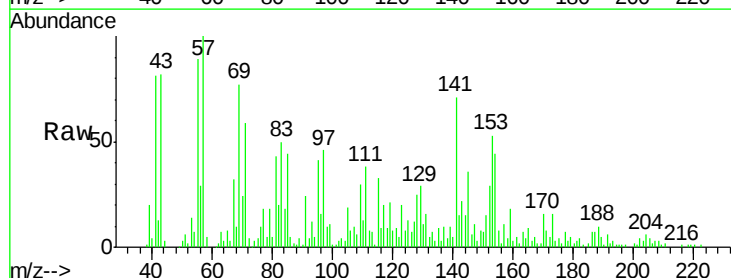
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB11A

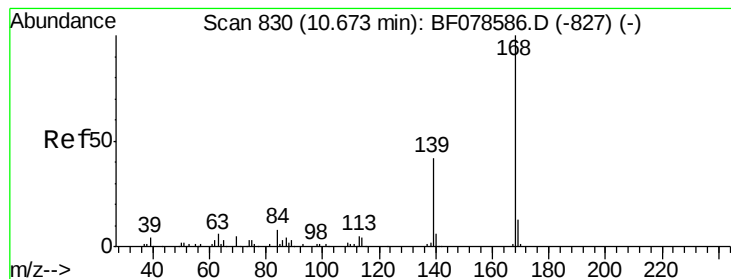
Tgt Ion:165 Resp: 3496
 Ion Ratio Lower Upper
 165 100
 63 43.3 24.1 36.1#
 89 26.3 28.9 43.3#



#51
 Acenaphthene
 Concen: 6.09 ng
 RT: 10.46 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: BF078640.D
 Acq: 18 Apr 2015 12:50

Tgt Ion:154 Resp: 31001
 Ion Ratio Lower Upper
 154 100
 153 118.8 91.4 137.2
 152 65.6 43.0 64.6#





#54

Dibenzenofuran

Concen: 4.18 ng

RT: 10.67 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

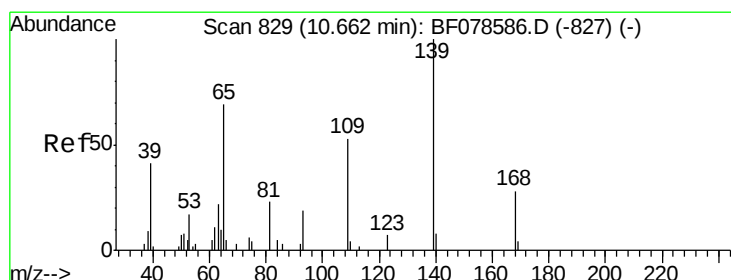
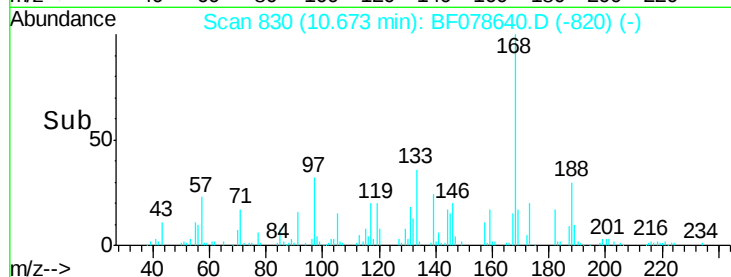
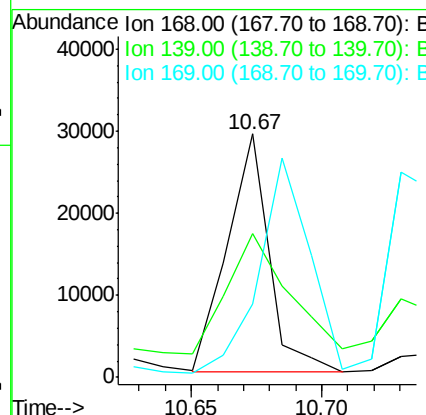
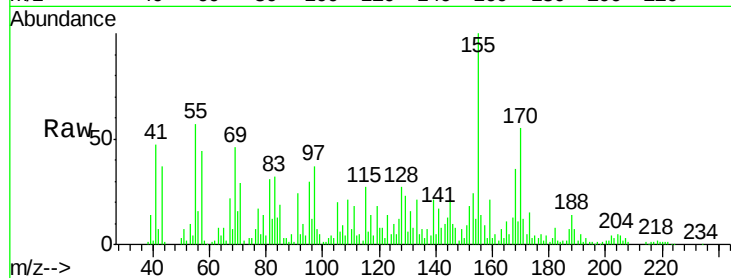
Tgt Ion:168 Resp: 32520

Ion Ratio Lower Upper

168 100

139 59.2 31.0 46.4#

169 30.1 10.7 16.1#



#55

4-Nitrophenol

Concen: 23.65 ng

RT: 10.67 min Scan# 830

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

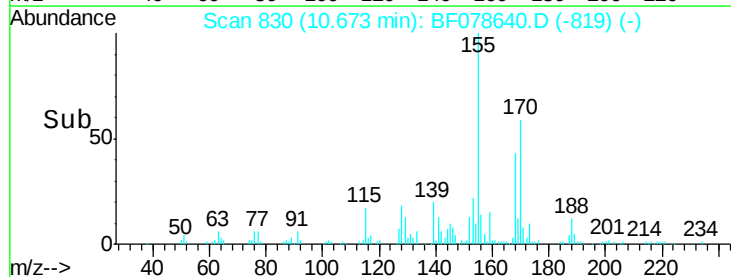
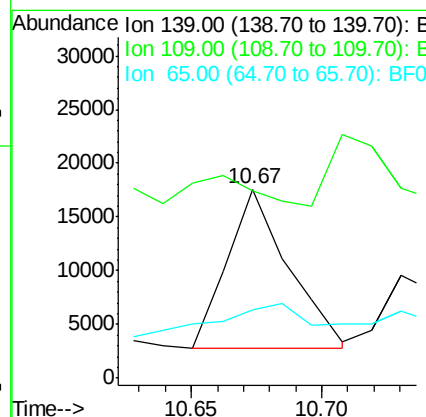
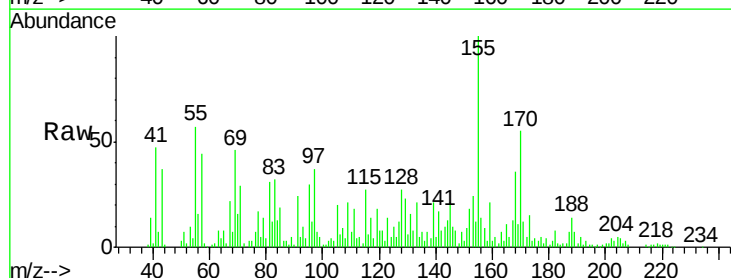
Tgt Ion:139 Resp: 24363

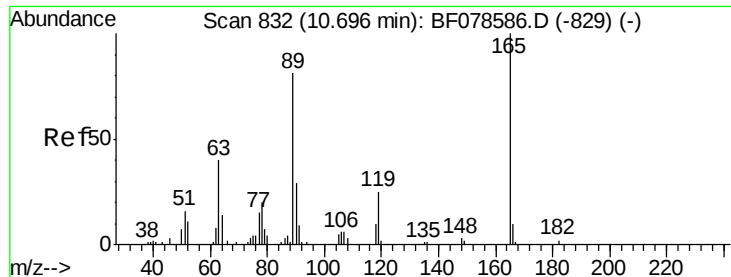
Ion Ratio Lower Upper

139 100

109 98.9 36.7 76.7#

65 36.3 49.9 89.9#

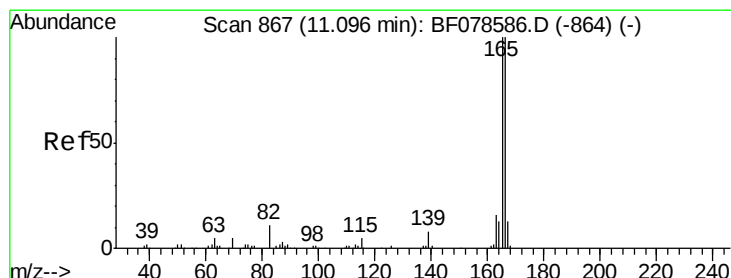
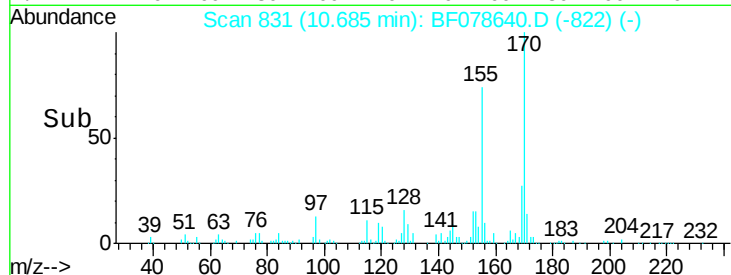
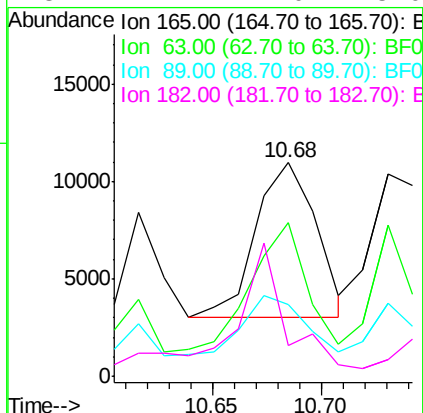
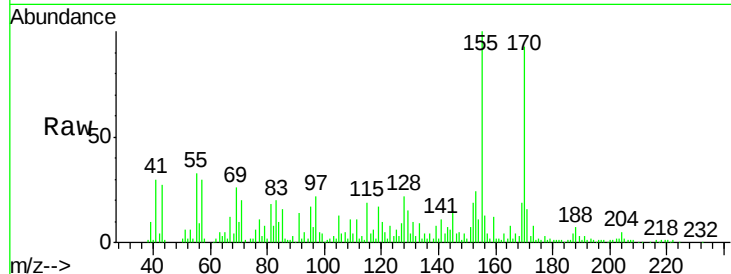




#56
2,4-Dinitrotoluene
Concen: 8.78 ng
RT: 10.68 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

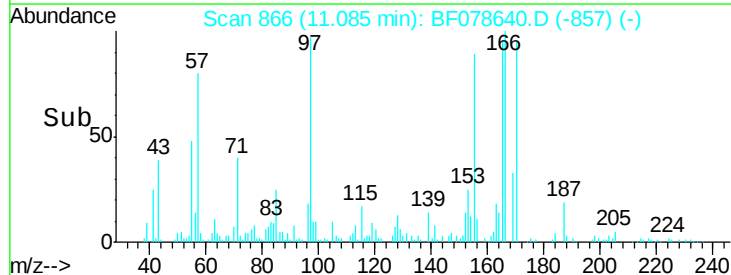
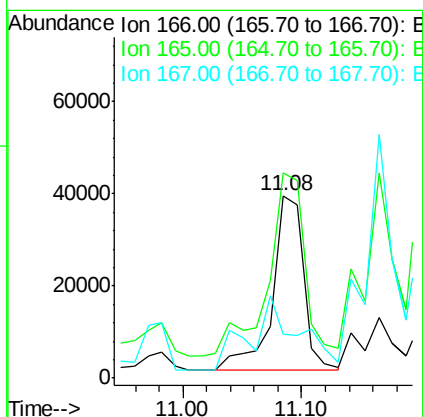
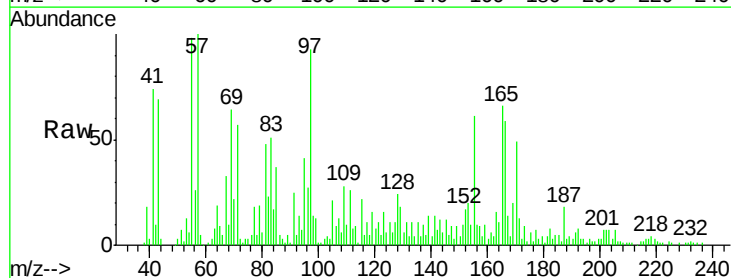
Instrument :
BNA_F
ClientSampleId :
LS-SB11A

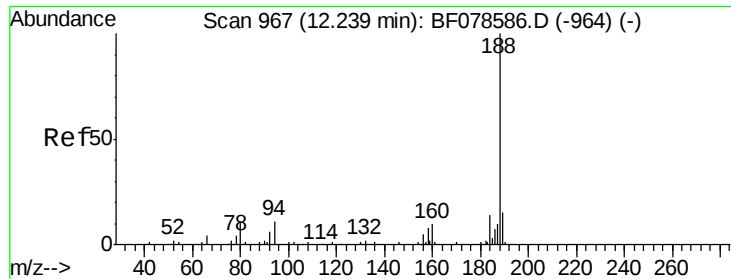
Tgt Ion	Ratio	Lower	Upper
165	100		
63	71.7	26.5	39.7#
89	33.7	46.4	69.6#
182	14.4	2.0	3.0#



#57
Fluorene
Concen: 11.06 ng
RT: 11.08 min Scan# 866
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.4	78.9	118.3
167	24.2	10.7	16.1#

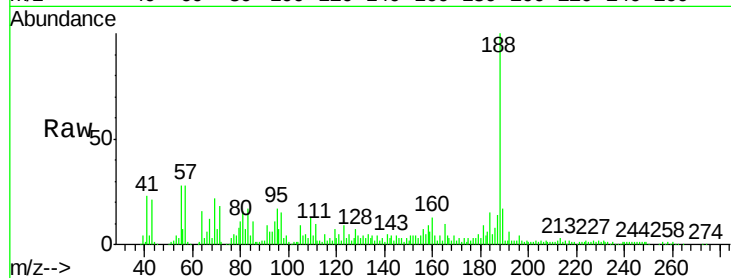




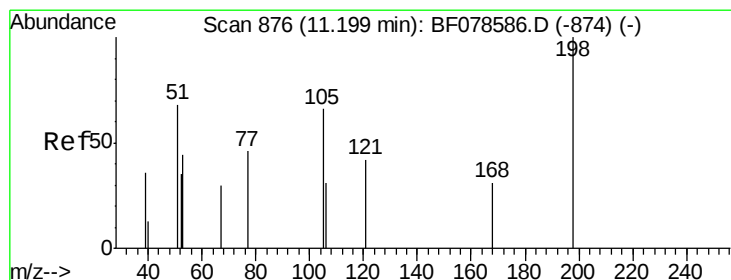
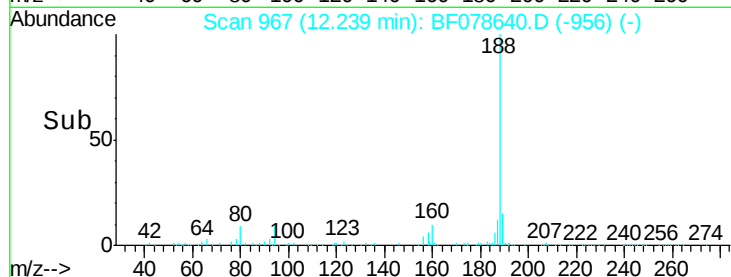
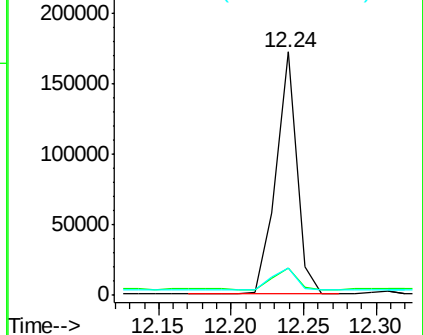
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. 0.02 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Instrument :
BNA_F
ClientSampleId :
LS-SB11A

Tgt Ion:188 Resp: 171039
Ion Ratio Lower Upper
188 100
94 11.1 9.0 13.4
80 11.4 9.5 14.3

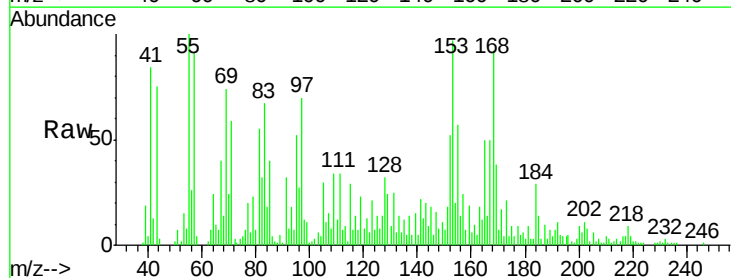


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

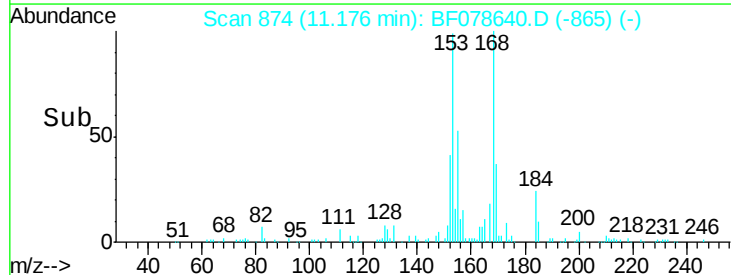
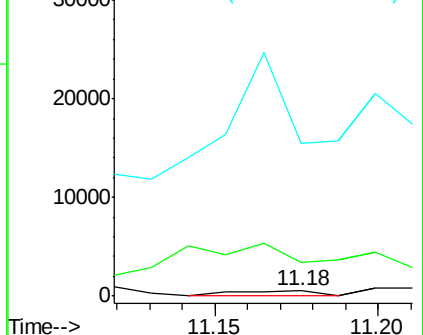


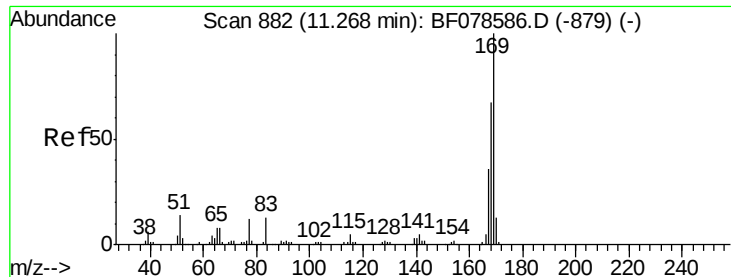
#64
4,6-Dinitro-2-methylphenol
Concen: 9.41 ng
RT: 11.18 min Scan# 874
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion:198 Resp: 874
Ion Ratio Lower Upper
198 100
51 683.6 48.6 88.6#
105 3068.9 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 21.45 ng

RT: 11.26 min Scan# 881

Delta R.T. -0.00 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

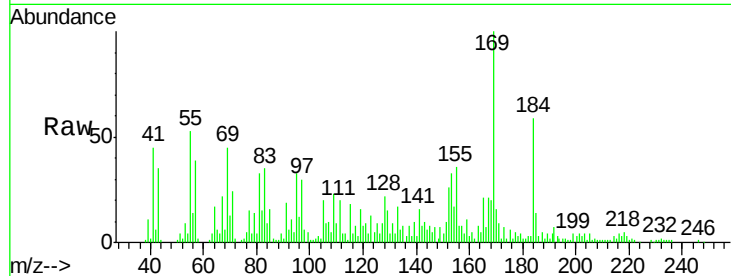
Tgt Ion:169 Resp: 126905

Ion Ratio Lower Upper

169 100

168 19.8 55.0 82.4#

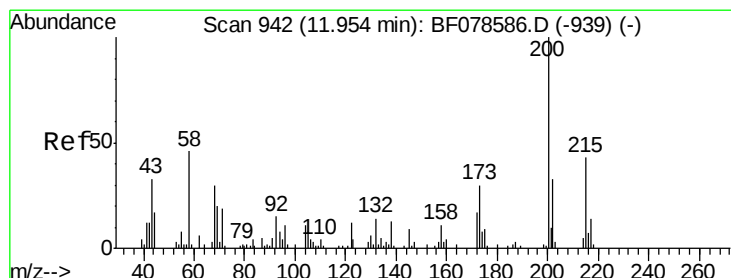
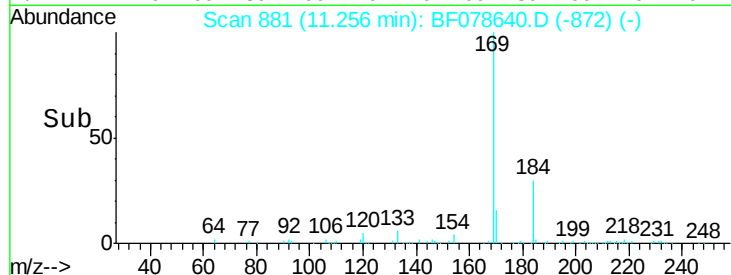
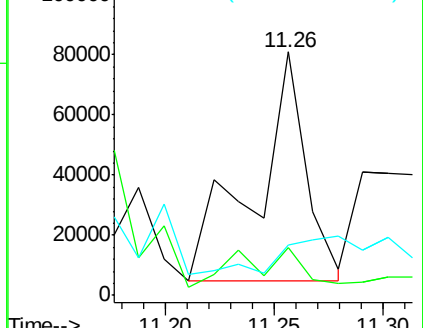
167 20.7 29.3 43.9#



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: 3.42 ng

RT: 11.92 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

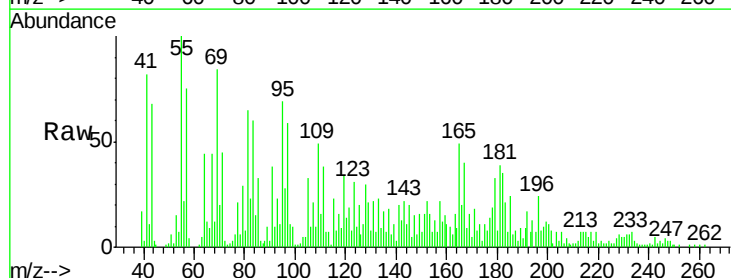
Tgt Ion:200 Resp: 5861

Ion Ratio Lower Upper

200 100

173 98.7 6.9 46.9#

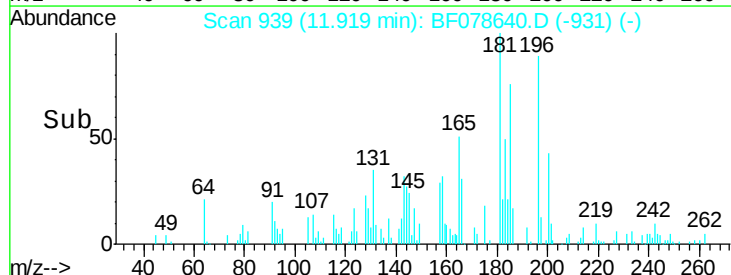
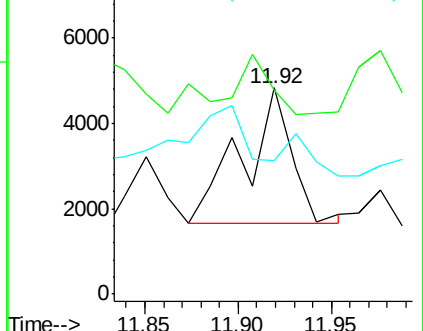
215 64.8 27.1 67.1

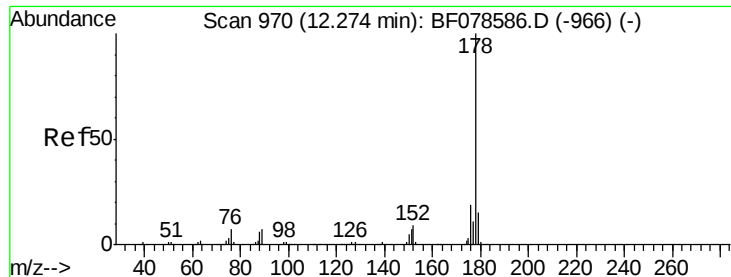


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 24.74 ng

RT: 12.26 min Scan# 969

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

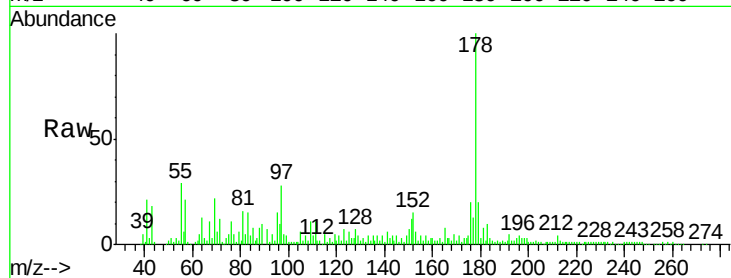
Tgt Ion:178 Resp: 244786

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

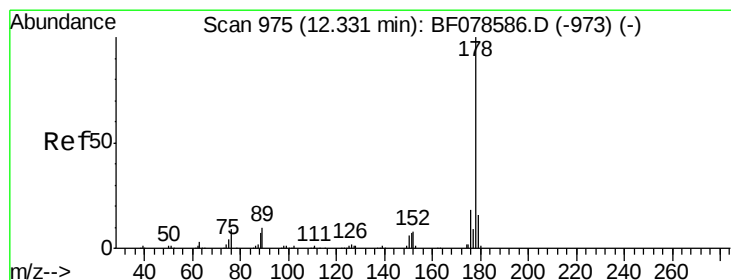
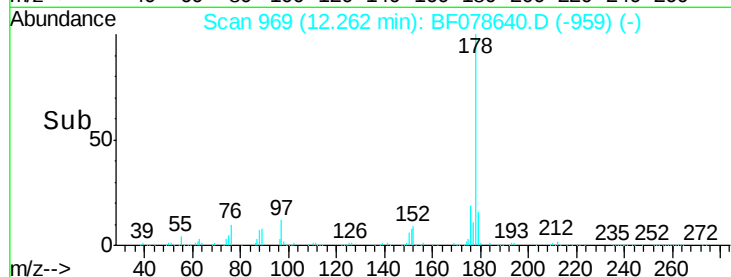
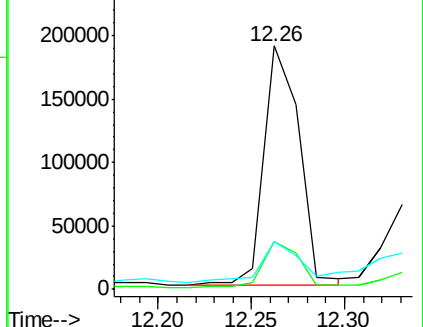
179 19.7 12.2 18.2#



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: 6.28 ng

RT: 12.33 min Scan# 975

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

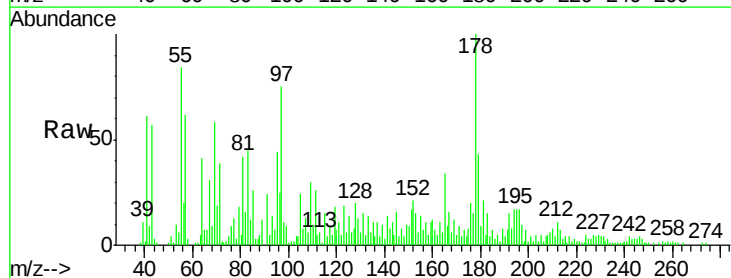
Tgt Ion:178 Resp: 61210

Ion Ratio Lower Upper

178 100

176 20.4 14.8 22.2

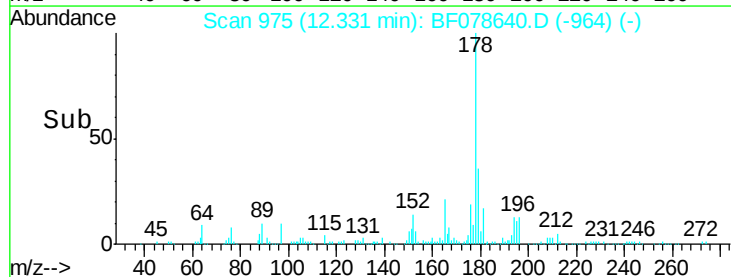
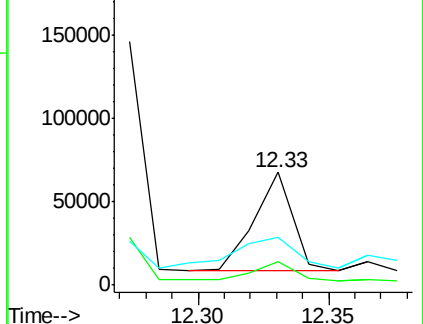
179 42.7 12.4 18.6#

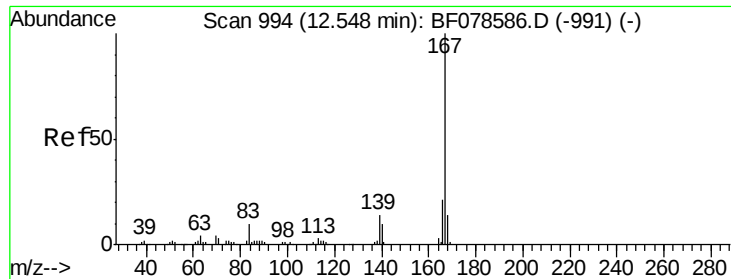


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

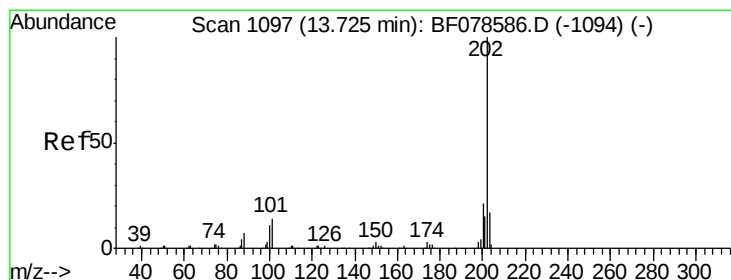
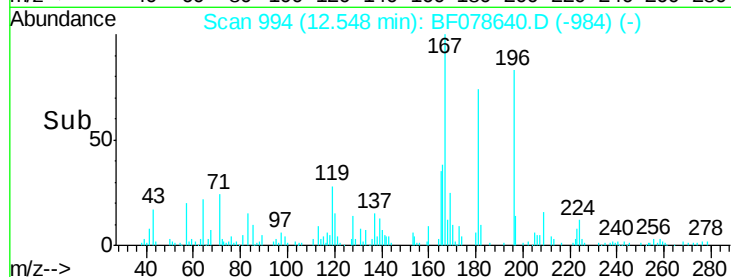
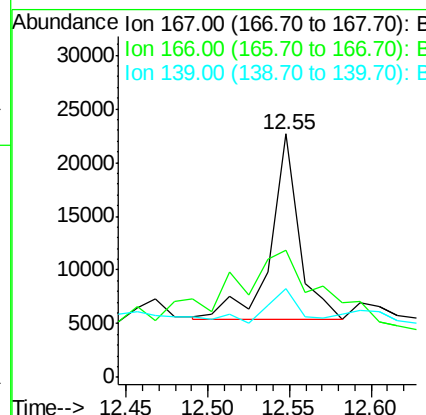
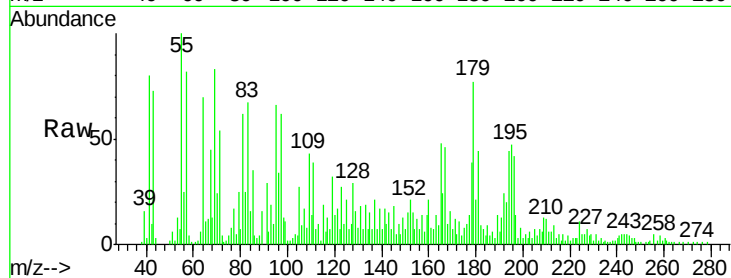




#72
 Carbazole
 Concen: 2.26 ng
 RT: 12.55 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: BF078640.D
 Acq: 18 Apr 2015 12:50

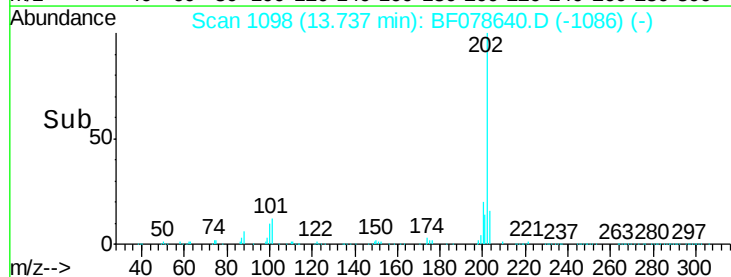
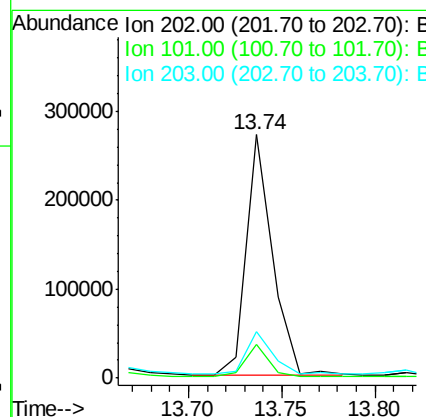
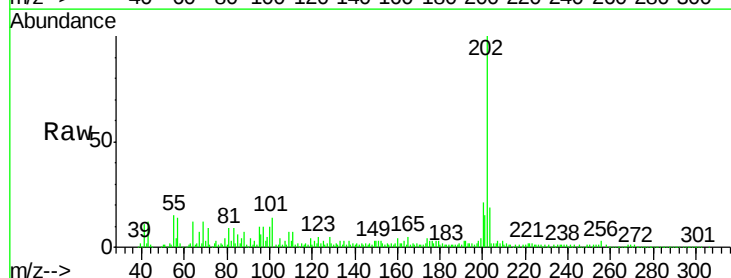
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB11A

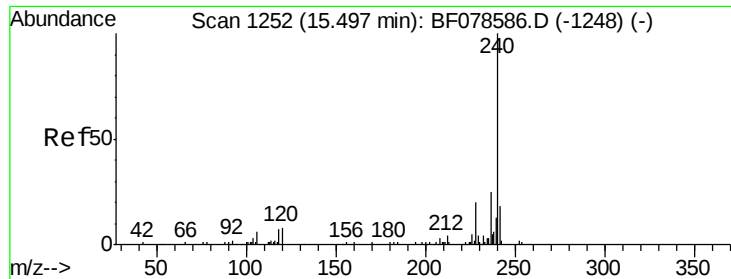
Tgt Ion:167 Resp: 20664
 Ion Ratio Lower Upper
 167 100
 166 52.2 16.8 25.2#
 139 36.7 10.0 15.0#



#74
 Fluoranthene
 Concen: 25.10 ng
 RT: 13.74 min Scan# 1098
 Delta R.T. 0.03 min
 Lab File: BF078640.D
 Acq: 18 Apr 2015 12:50

Tgt Ion:202 Resp: 261871
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 35.2
 203 18.9 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

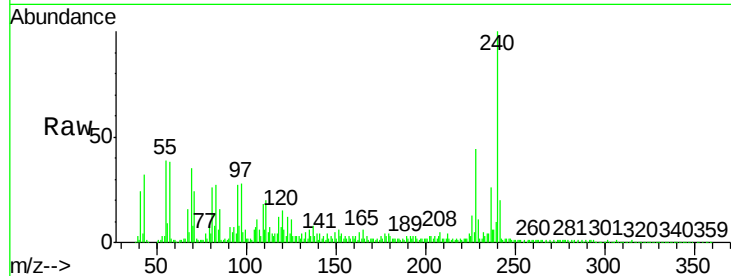
Tgt Ion:240 Resp: 192321

Ion Ratio Lower Upper

240 100

120 15.4 7.1 10.7#

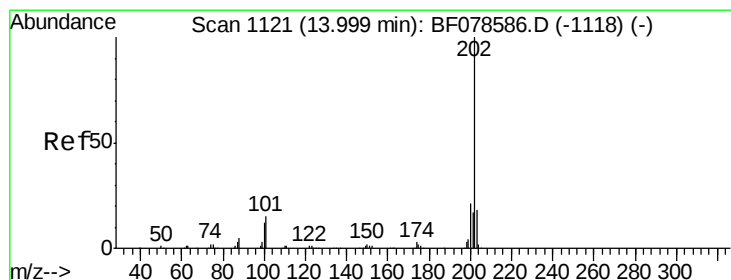
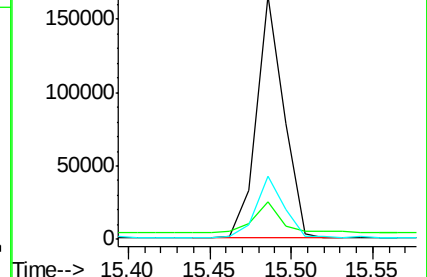
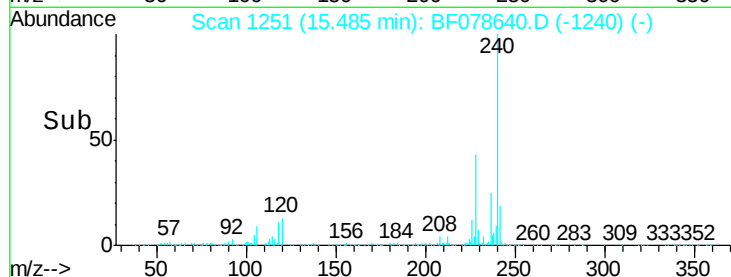
236 26.2 21.4 32.2



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

Pyrene

Concen: 24.61 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

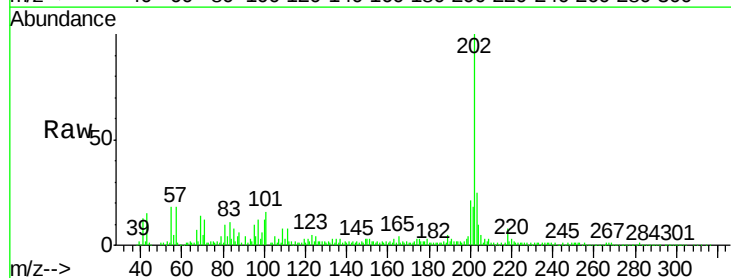
Tgt Ion:202 Resp: 297102

Ion Ratio Lower Upper

202 100

200 21.2 16.3 24.5

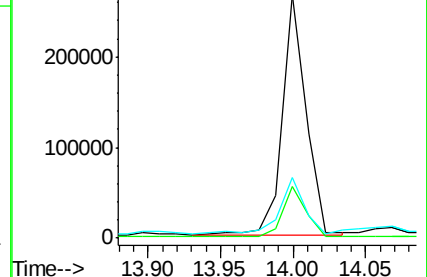
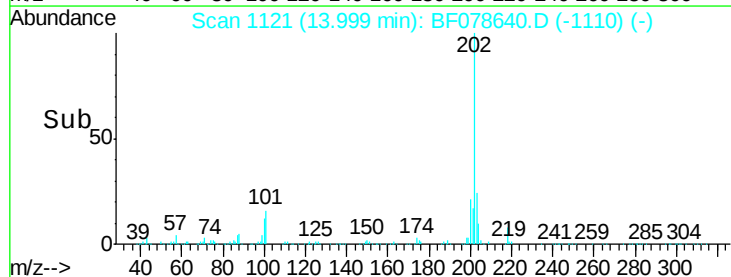
203 25.1 13.8 20.6#

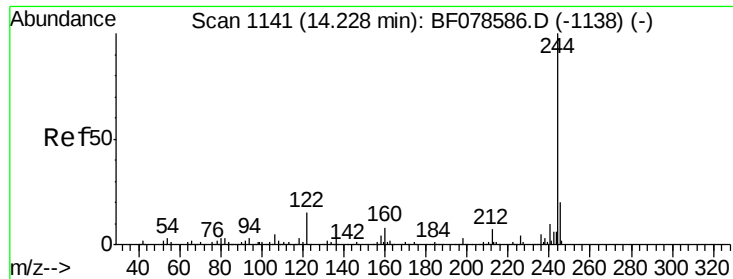


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.53 ng

RT: 14.23 min Scan# 1141

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

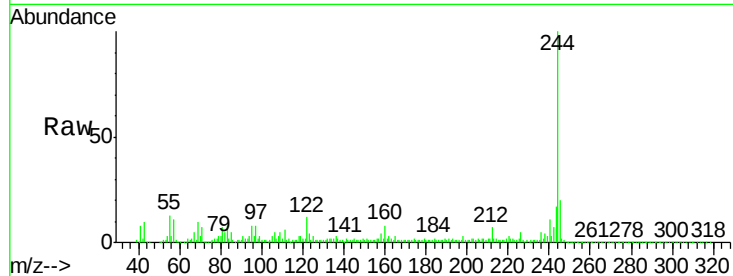
Tgt Ion:244 Resp: 361990

Ion Ratio Lower Upper

244 100

212 7.2 5.0 7.4

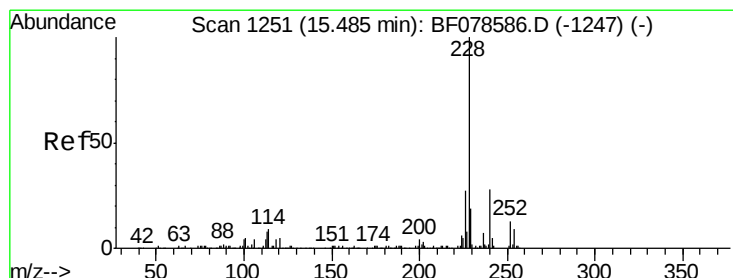
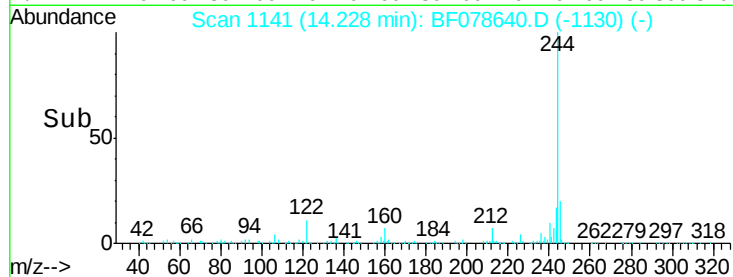
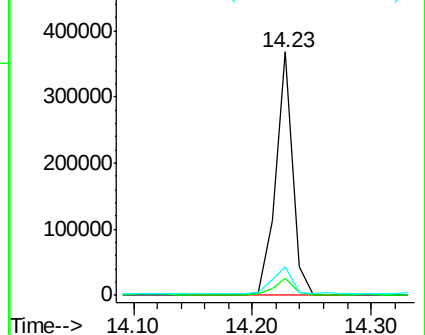
122 11.6 7.1 10.7#



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: 15.93 ng

RT: 15.47 min Scan# 1250

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

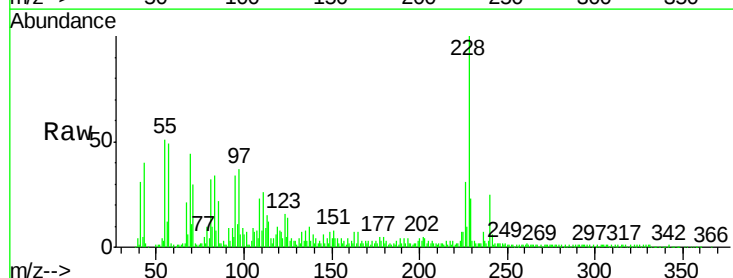
Tgt Ion:228 Resp: 182286

Ion Ratio Lower Upper

228 100

226 31.0 21.3 31.9

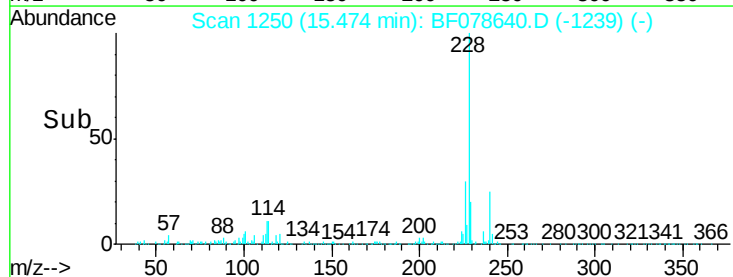
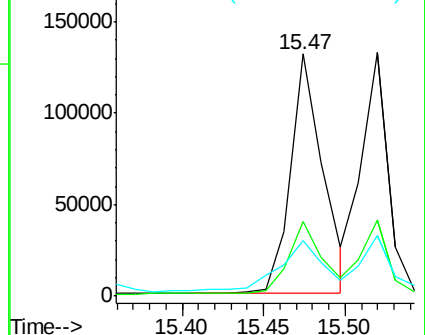
229 22.7 15.4 23.2

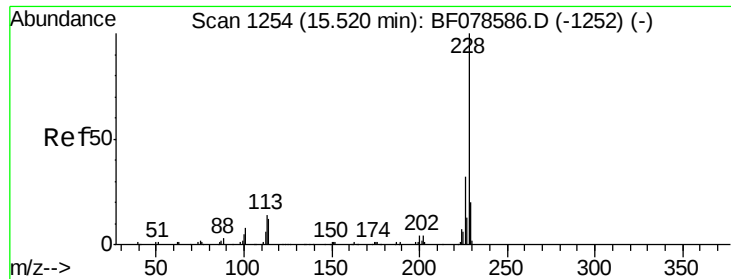


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.63 ng

RT: 15.47 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

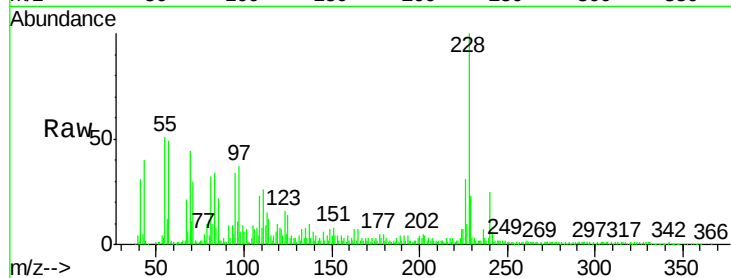
Tgt Ion:228 Resp: 178809

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.4

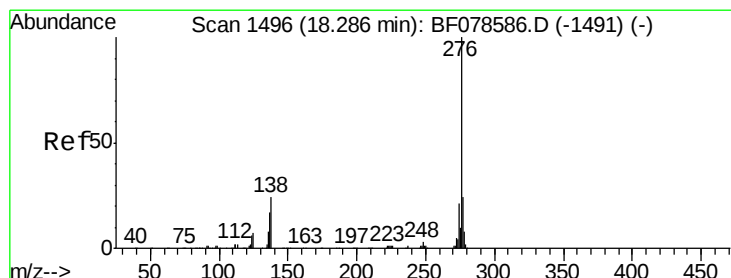
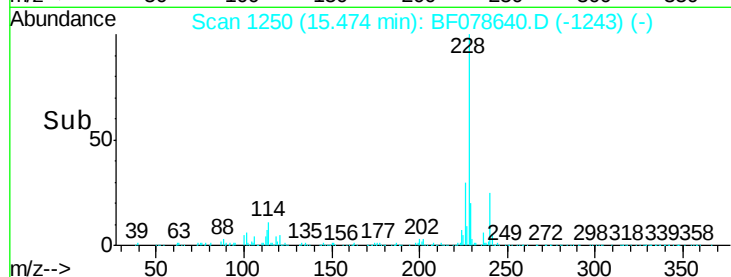
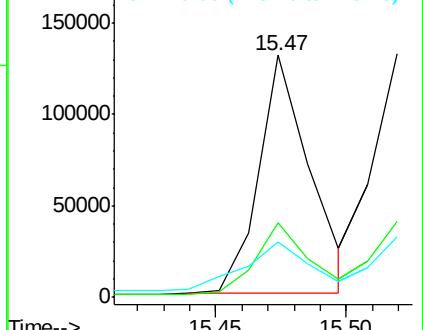
229 22.7 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 18.11 ng

RT: 18.38 min Scan# 1504

Delta R.T. 0.03 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

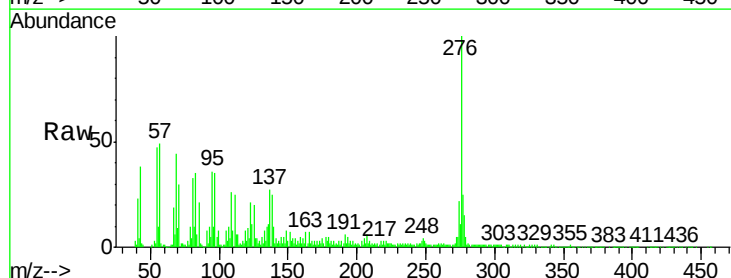
Tgt Ion:276 Resp: 220959

Ion Ratio Lower Upper

276 100

138 23.5 16.9 25.3

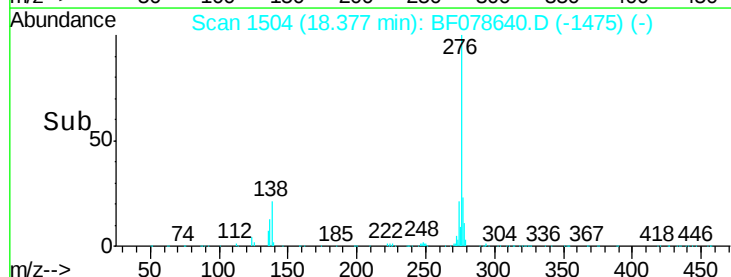
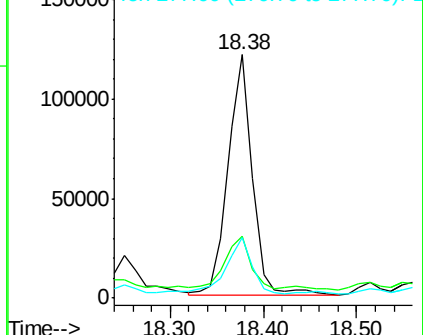
277 26.5 15.8 23.6#

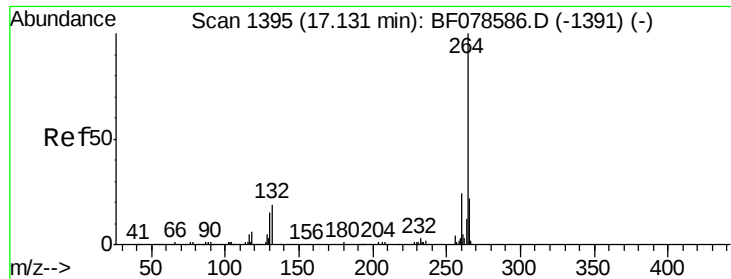


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

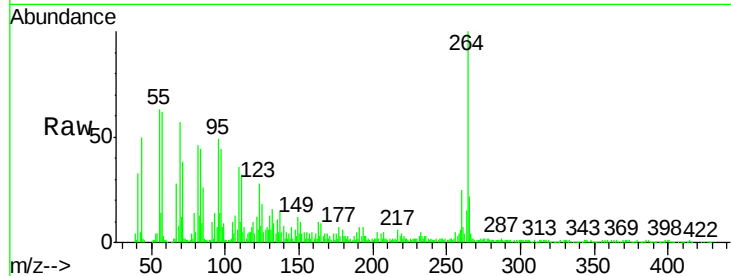




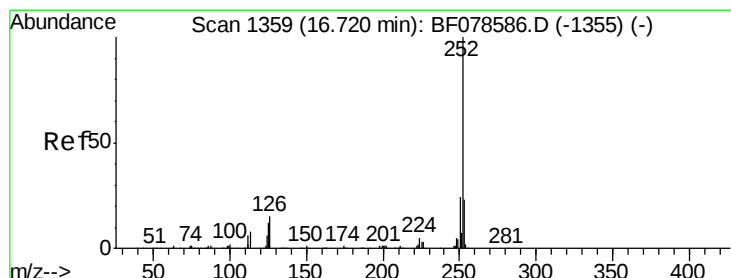
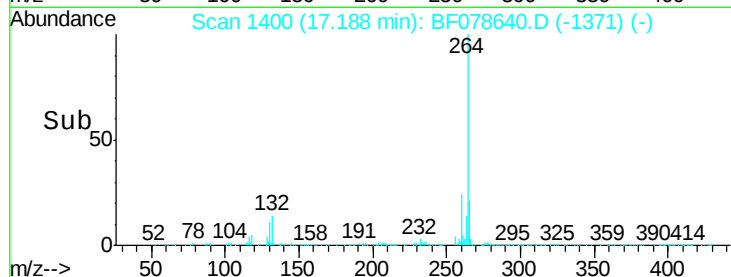
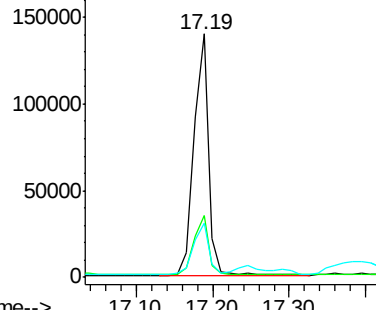
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.19 min Scan# 1400
Delta R.T. 0.03 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Instrument :
BNA_F
ClientSampleId :
LS-SB11A

Tgt Ion: 264 Resp: 189913
Ion Ratio Lower Upper
264 100
260 25.2 18.6 27.8
265 22.2 17.0 25.6

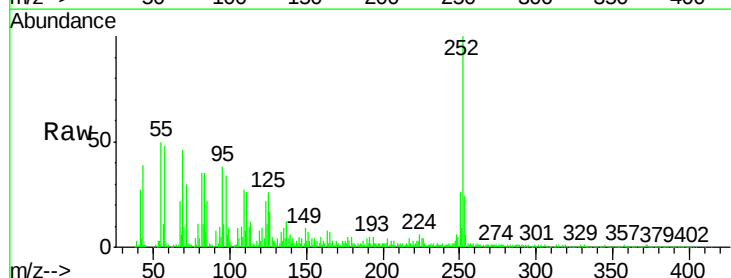


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

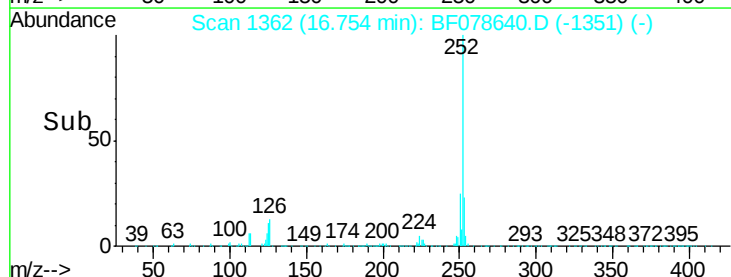
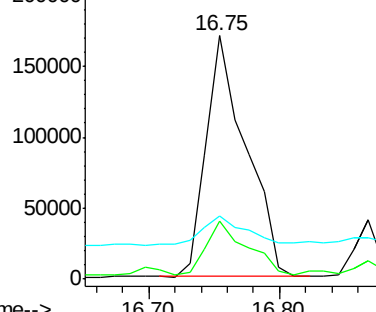


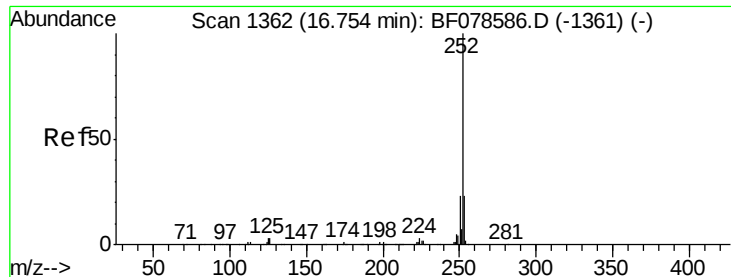
#87
Benzo(b)fluoranthene
Concen: 30.85 ng
RT: 16.75 min Scan# 1362
Delta R.T. 0.02 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion: 252 Resp: 362153
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 25.8 7.0 10.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

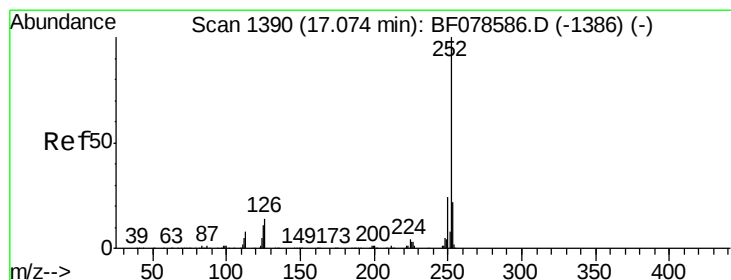
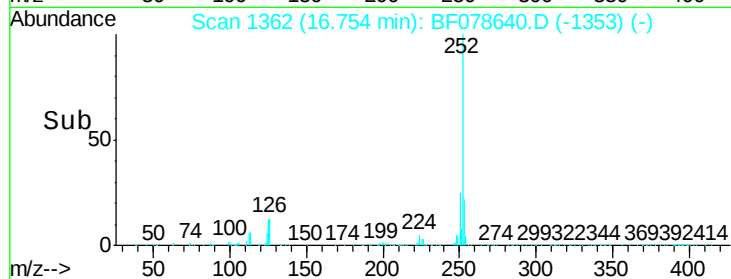
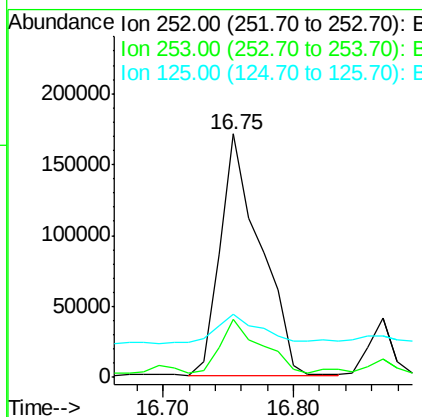
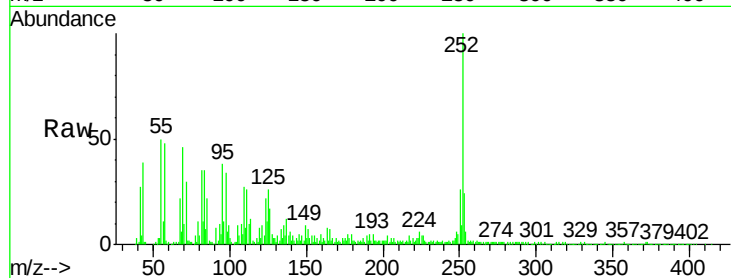




#88
Benzo(k)fluoranthene
Concen: 34.89 ng
RT: 16.75 min Scan# 1362
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

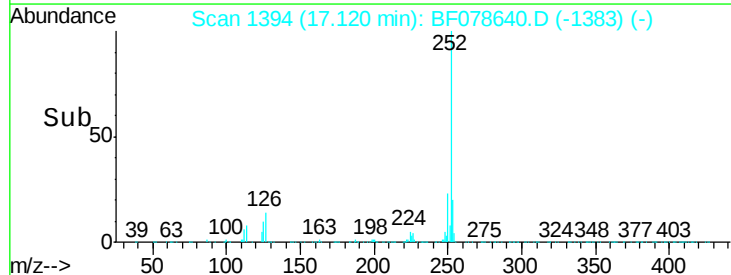
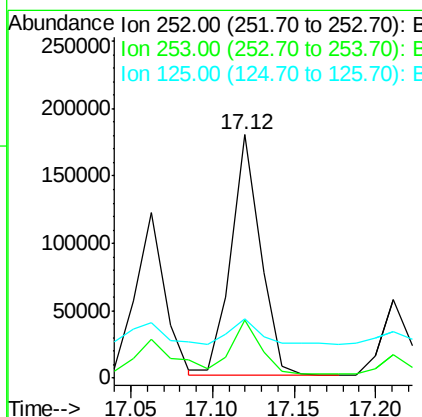
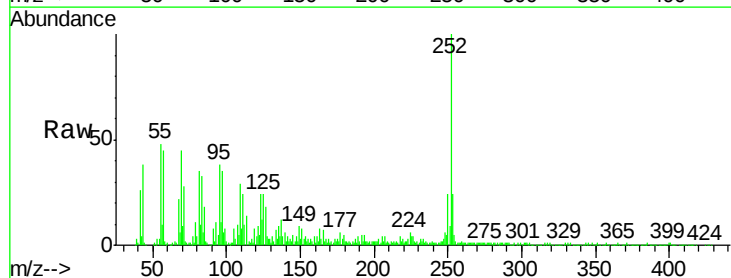
Instrument :
BNA_F
ClientSampleId :
LS-SB11A

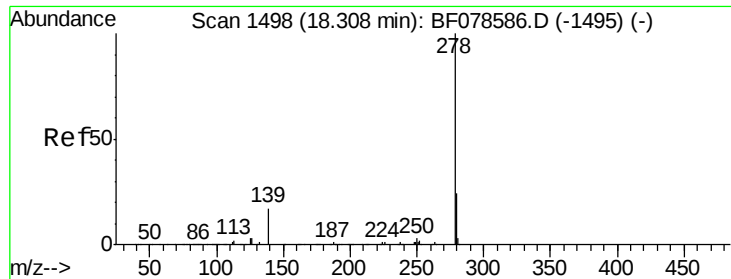
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	25.8	11.6	17.4



#89
Benzo(a)pyrene
Concen: 21.70 ng
RT: 17.12 min Scan# 1394
Delta R.T. 0.02 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.8	25.2
125	24.3	7.4	11.0





#90

Dibenzo(a,h)anthracene

Concen: 4.35 ng

RT: 18.39 min Scan# 1505

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

ClientSampleId :

LS-SB11A

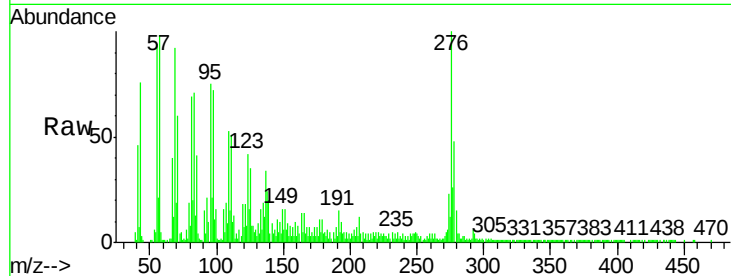
Tgt Ion:278 Resp: 44617

Ion Ratio Lower Upper

278 100

139 42.6 13.6 20.4#

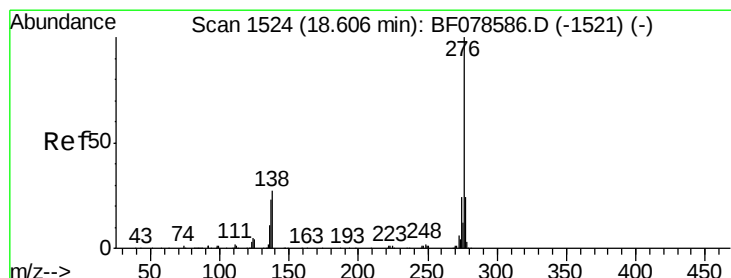
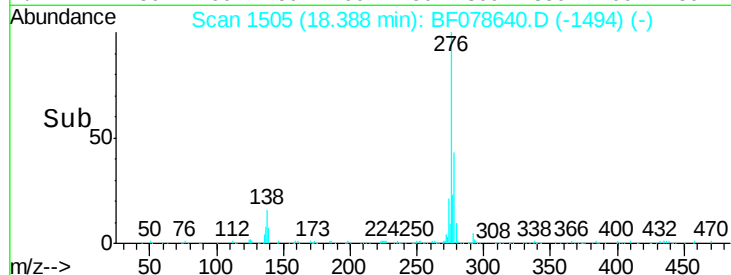
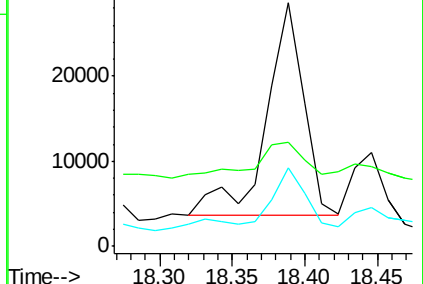
279 32.3 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 21.07 ng

RT: 18.71 min Scan# 1533

Delta R.T. 0.05 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

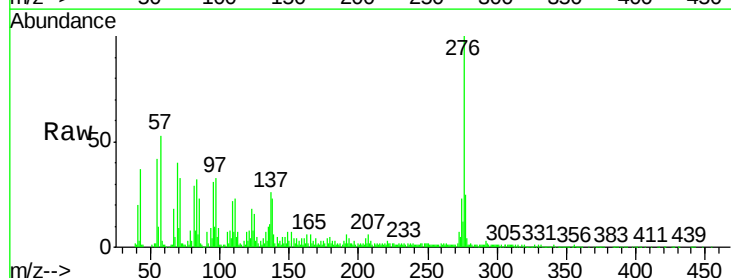
Tgt Ion:276 Resp: 216622

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 23.0 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

