

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103507.D
 Acq On : 7 Mar 2018 18:00
 Operator : SJ/JU
 Sample : J1808-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 03:45:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 07 11:40:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	114716	20.00	ng	0.01
21) Naphthalene-d8	8.16	136	312382	20.00	ng	0.01
38) Acenaphthene-d10	9.90	164	254302	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	365319	20.00	ng	0.00
75) Chrysene-d12	14.06	240	235784	20.00	ng	0.00
86) Perylene-d12	15.56	264	192220	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	969006	127.75	ng	0.01
7) Phenol-d6	6.52	99	1180999	127.25	ng	0.01
23) Nitrobenzene-d5	7.46	82	477492	87.29	ng	0.02
41) 2,4,6-Tribromophenol	10.70	330	200542	93.17	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1077828	69.97	ng	0.00
78) Terphenyl-d14	12.99	244	721511	73.56	ng	0.00

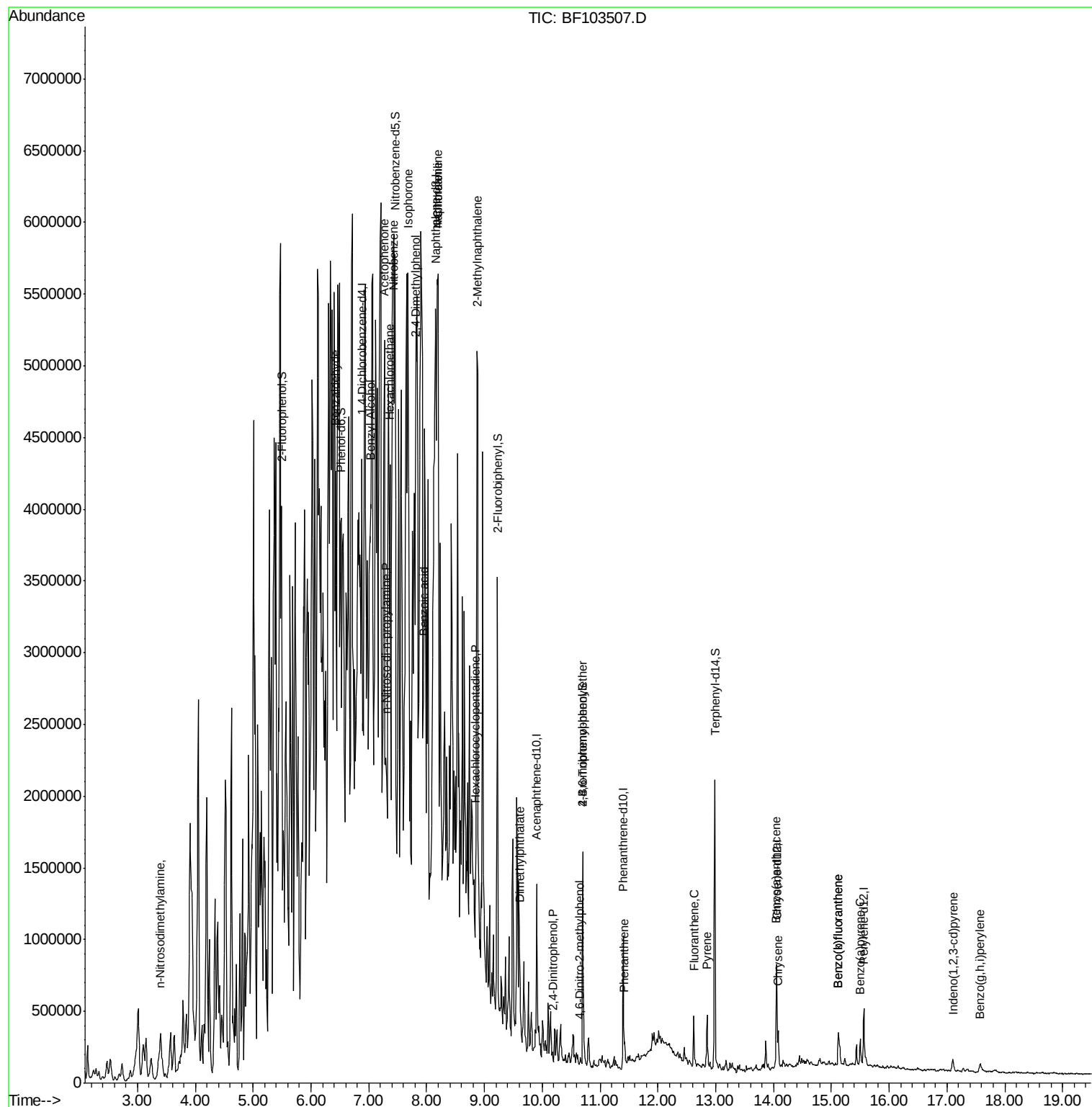
Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.40	42	40294	9.342	ng	# 1
9) Benzaldehyde	6.43	77	84002	12.089	ng	# 1
15) Benzyl Alcohol	7.03	79	49808	7.122	ng	# 48
18) Hexachloroethane	7.37	117	94767	28.836	ng	# 1
19) n-Nitroso-di-n-propylamine	7.30	70	80938	14.012	ng	# 66
22) Acetophenone	7.27	105	1477464	202.628	ng	# 59
24) Nitrobenzene	7.43	77	316961	52.630	ng	# 19
25) Isophorone	7.69	82	41587	3.860	ng	# 1
27) 2,4-Dimethylphenol	7.80	122	13850	3.196	ng	# 1
31) Naphthalene	8.19	128	2738543	179.065	ng	# 97
32) Benzoic acid	7.95	122	14696	10.826	ng	# 1
33) 4-Chloroaniline	8.19	127	392639	59.495	ng	# 35
37) 2-Methylnaphthalene	8.87	142	2014512	203.816	ng	# 96
40) Hexachlorocyclopentadiene	8.85	237	480	9.056	ng	# 86
49) Dimethylphthalate	9.62	163	85446	4.188	ng	# 99
53) 2,4-Dinitrophenol	10.19	184	1268	10.342	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.64	198	110	4.990	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	13705	3.601	ng	# 1
70) Phenanthrene	11.42	178	68925	3.428	ng	# 98
74) Fluoranthene	12.62	202	147901	7.321	ng	# 97
77) Pyrene	12.85	202	160496	8.731	ng	# 100
80) Benzo(a)anthracene	14.04	228	99440	6.500	ng	# 97
82) Chrysene	14.08	228	92640	6.236	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.10	276	56031	4.765	ng	# 94
87) Benzo(b)fluoranthene	15.12	252	179589	14.210	ng	# 95
88) Benzo(k)fluoranthene	15.12	252	179589	15.090	ng	# 97
89) Benzo(a)pyrene	15.50	252	97564	8.645	ng	# 94
91) Benzo(g,h,i)perylene	17.57	276	57030	6.691	ng	# 91

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

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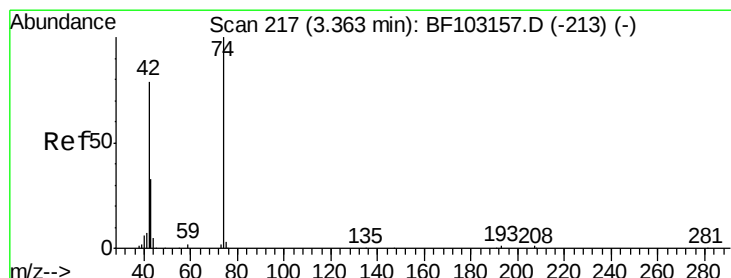
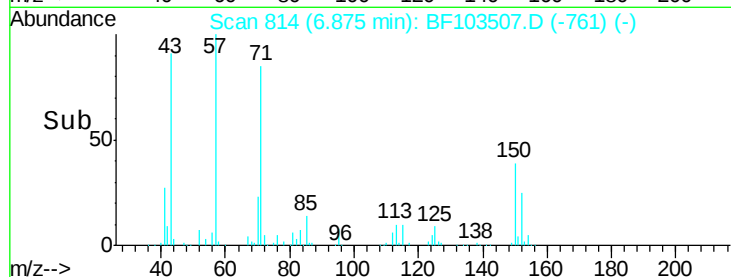
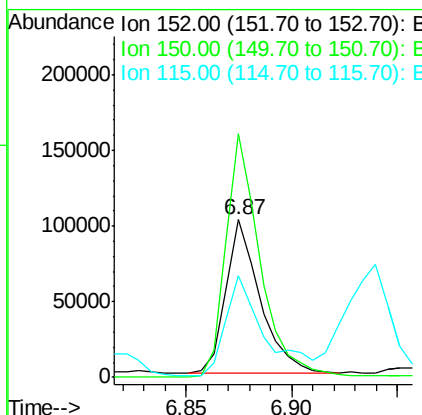
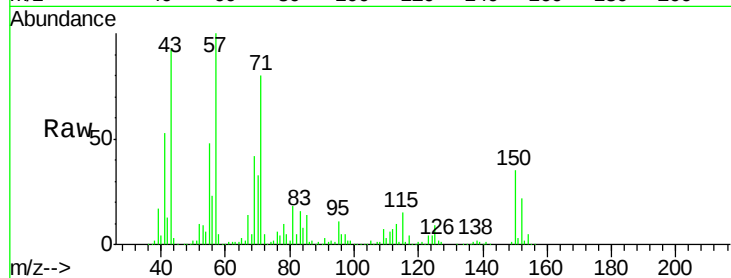


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampleId :

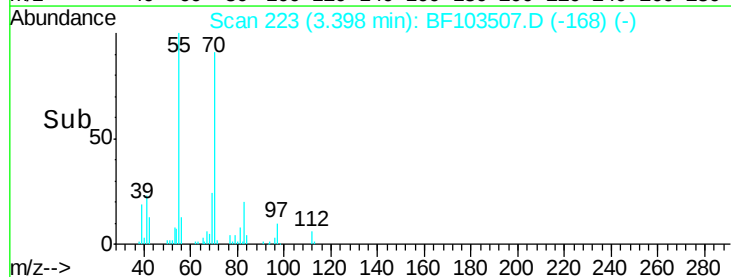
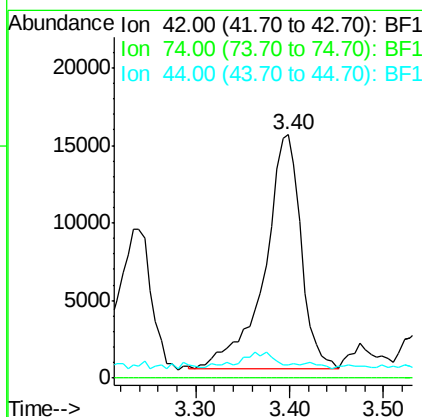
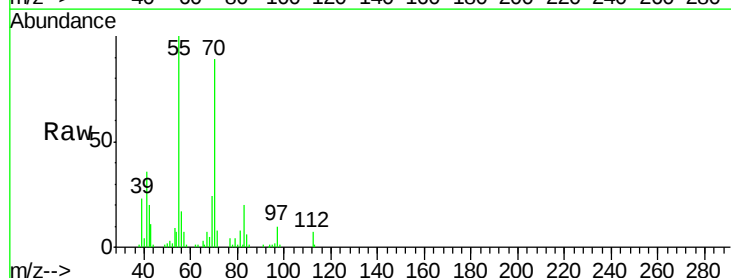
Tot Ion:152 Resp: 114716
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 64.7 50.1 75.1

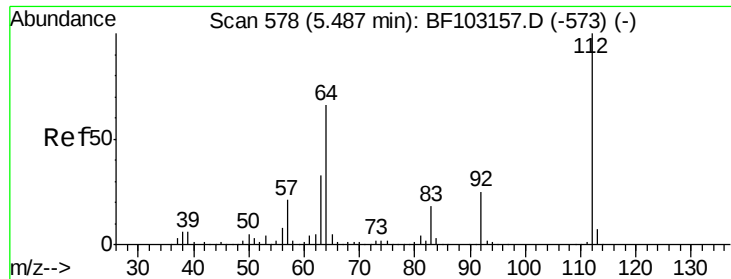


#4

n-Nitrosodimethylamine
Concen: 9.342 ng
RT: 3.40 min Scan# 223
Delta R.T. 0.02 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion: 42 Resp: 40294
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 5.6 6.9 10.3#





#5

2-Fluorophenol

Concen: 127.755 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

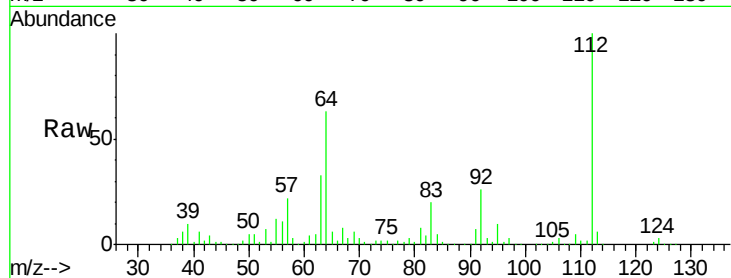
Tot Ion:112 Resp: 969006

Ion Ratio Lower Upper

112 100

64 62.8 47.9 71.9

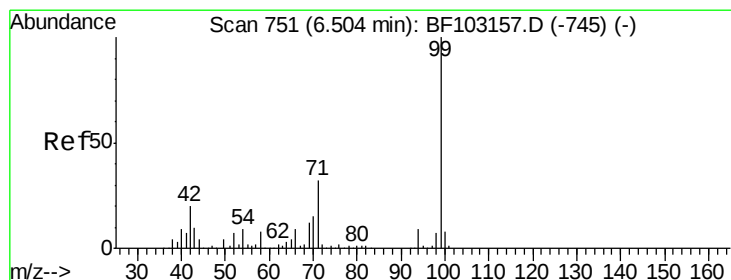
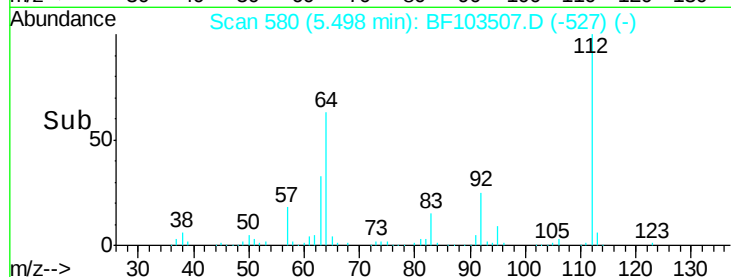
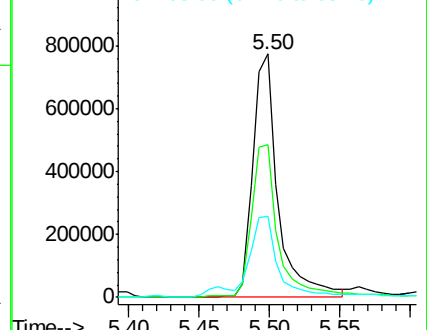
63 33.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 127.246 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

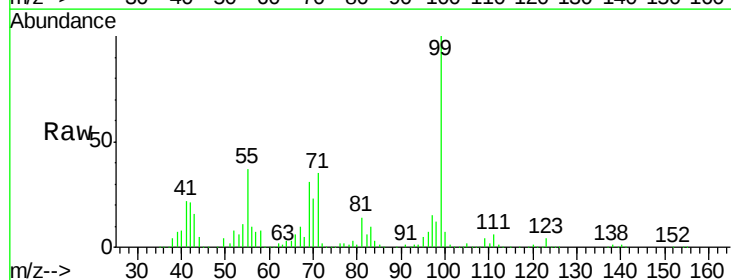
Tgt Ion: 99 Resp: 1180999

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

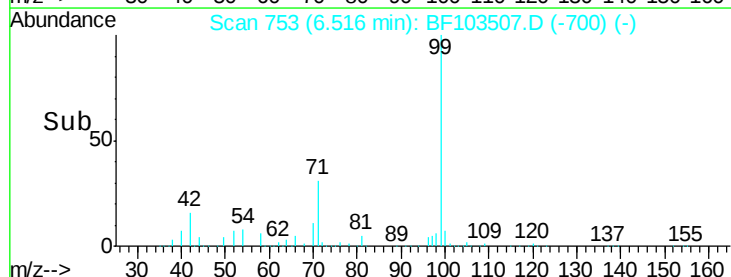
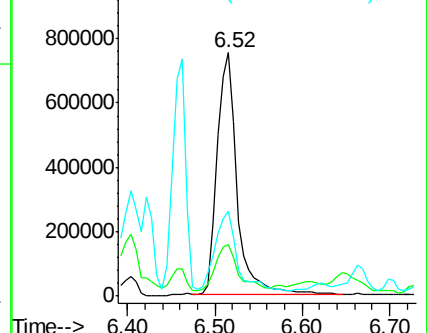
71 34.8 25.4 38.0

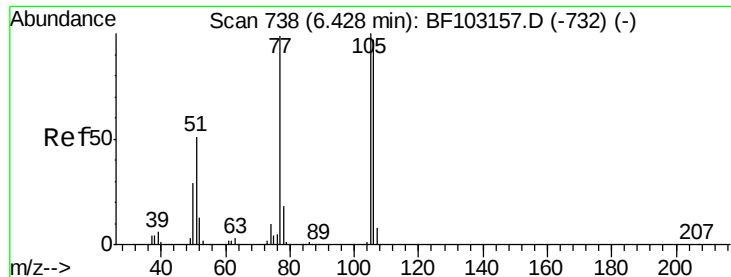


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 12.089 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

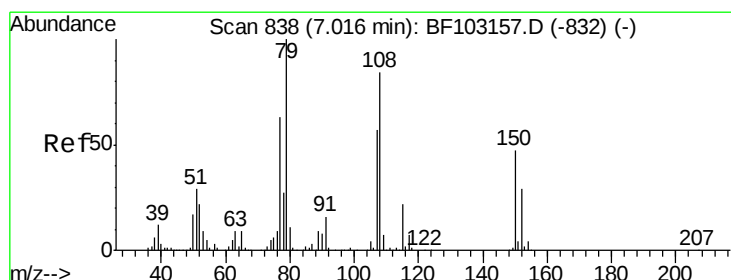
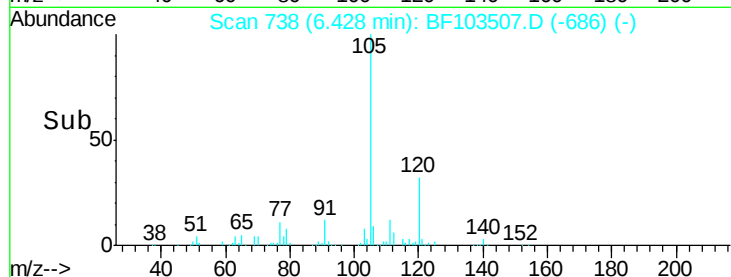
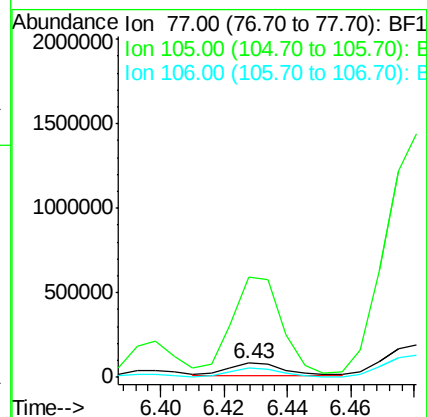
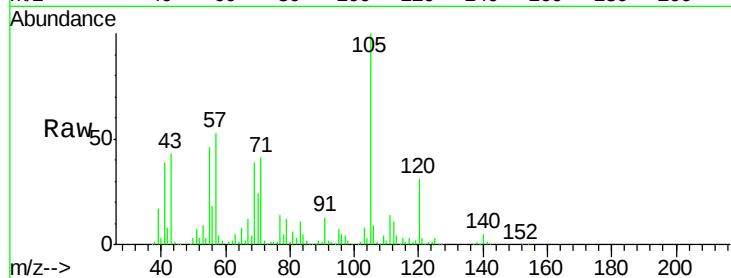
Tot Ion: 77 Resp: 84002

Ion Ratio Lower Upper

77 100

105 722.0 81.1 121.1#

106 66.6 74.5 114.5#



#15

Benzyl Alcohol

Concen: 7.122 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

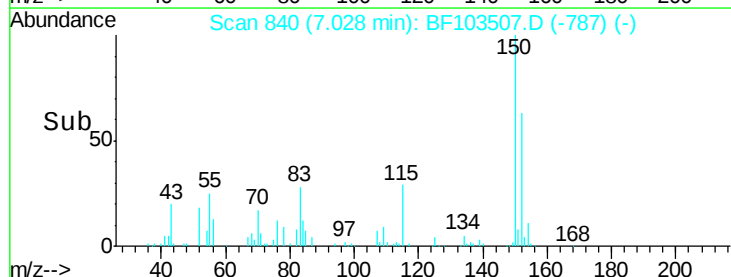
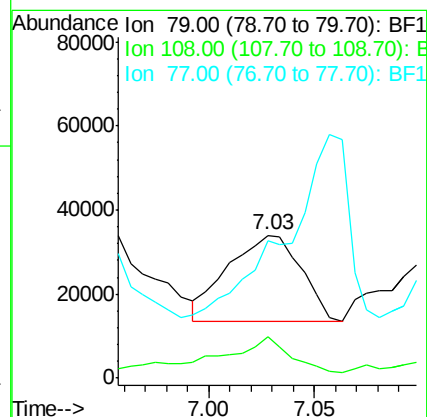
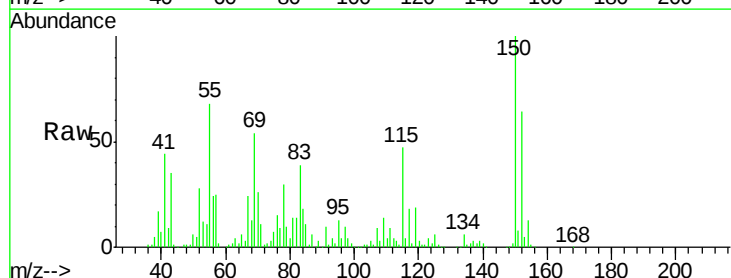
Tgt Ion: 79 Resp: 49808

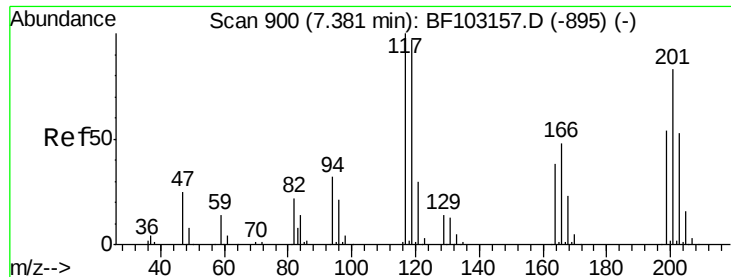
Ion Ratio Lower Upper

79 100

108 29.0 65.1 97.7#

77 96.4 50.6 75.8#

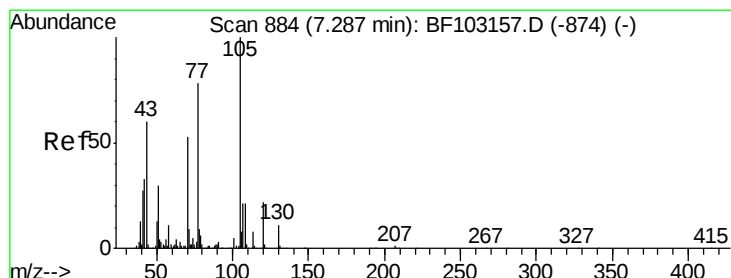
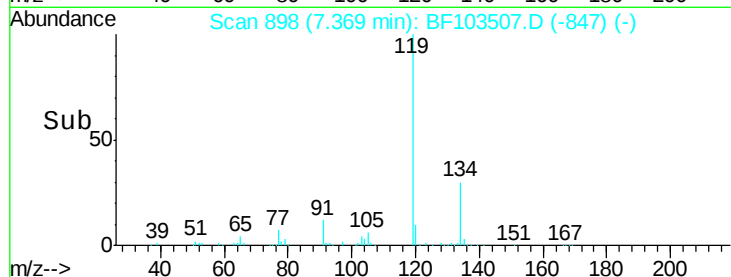
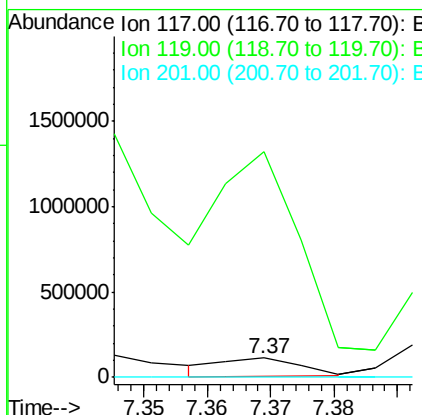
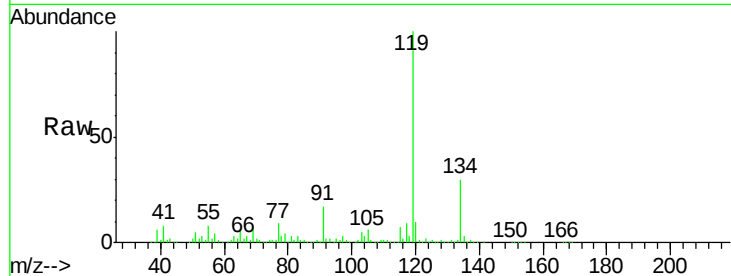




#18
Hexachloroethane
Concen: 28.836 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

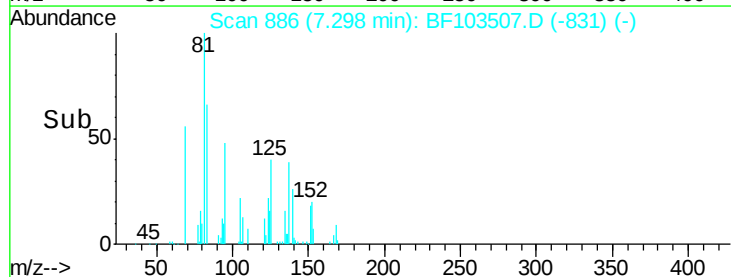
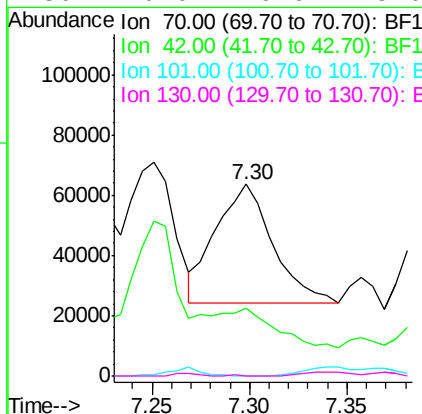
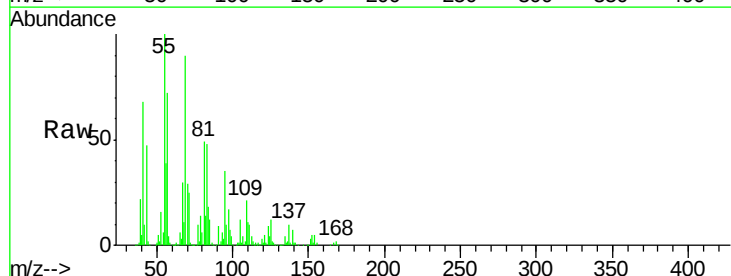
Instrument :
BNA_F
ClientSampleId :

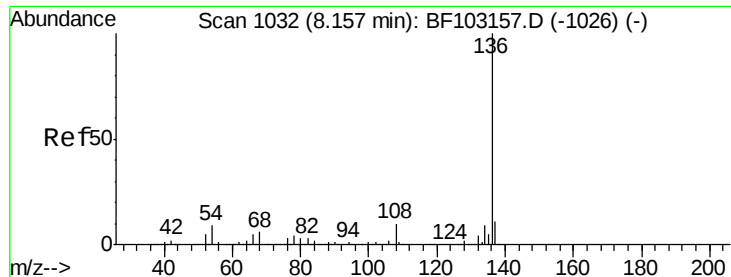
Tot Ion:117 Resp: 94767
Ion Ratio Lower Upper
117 100
119 1173.5 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 14.012 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.02 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion: 70 Resp: 80938
Ion Ratio Lower Upper
70 100
42 35.7 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 312382

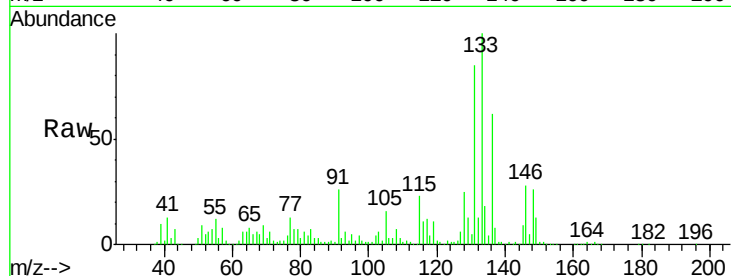
Ion Ratio Lower Upper

136 100

137 12.3 8.9 13.3

54 10.9 6.6 9.8#

68 8.7 5.0 7.4#

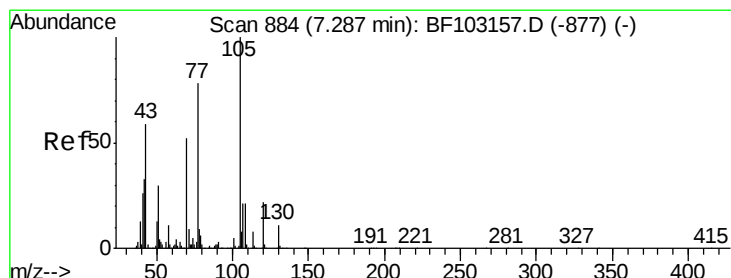
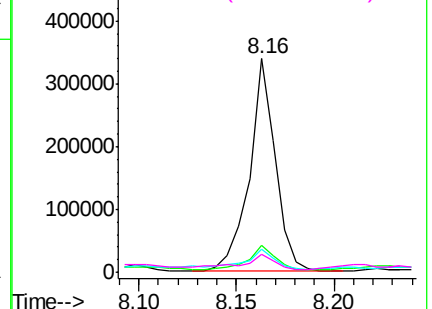
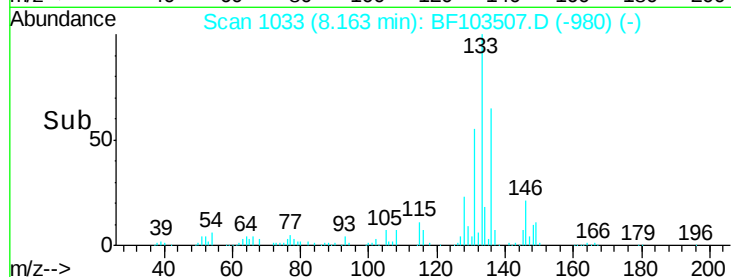


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 202.628 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Tgt Ion:105 Resp: 1477464

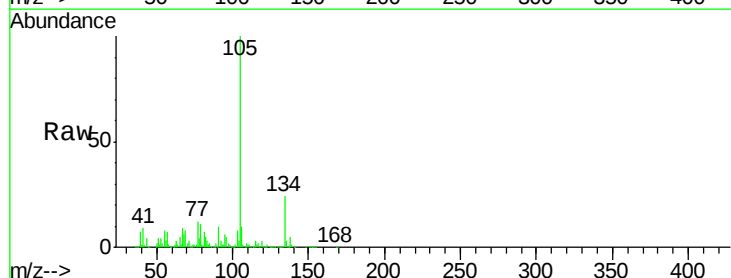
Ion Ratio Lower Upper

105 100

71 2.8 4.4 6.6#

51 4.3 22.3 33.5#

120 0.3 16.9 25.3#

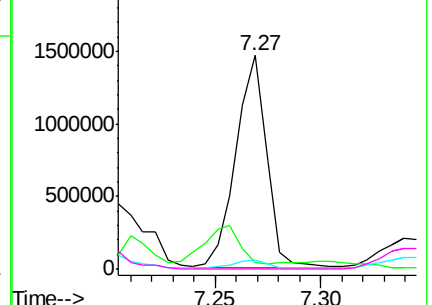
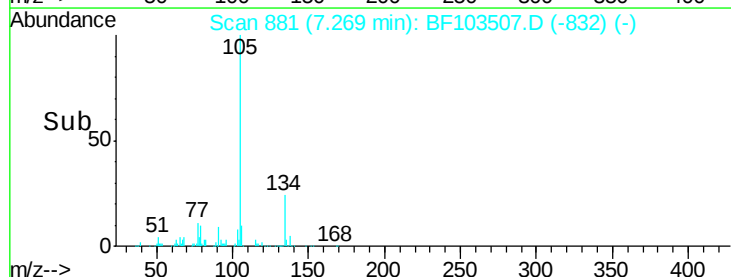


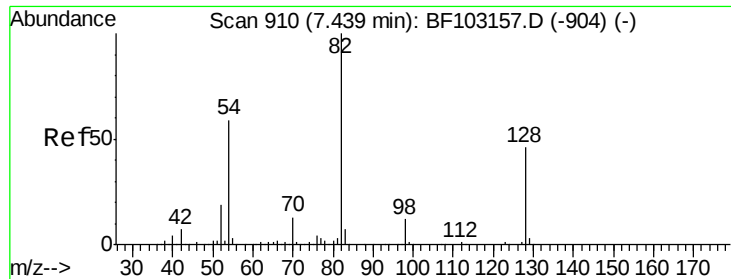
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

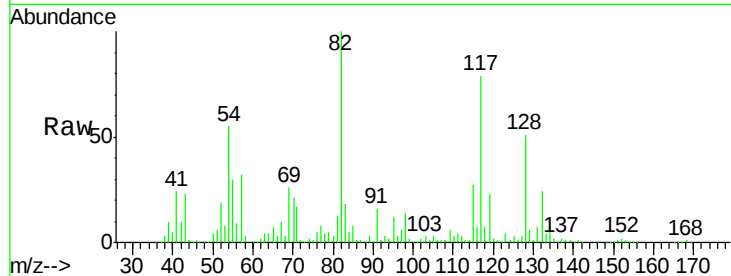




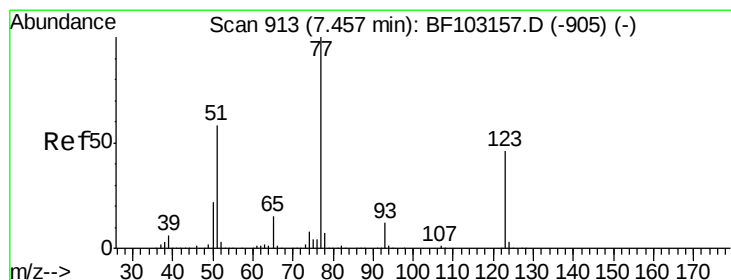
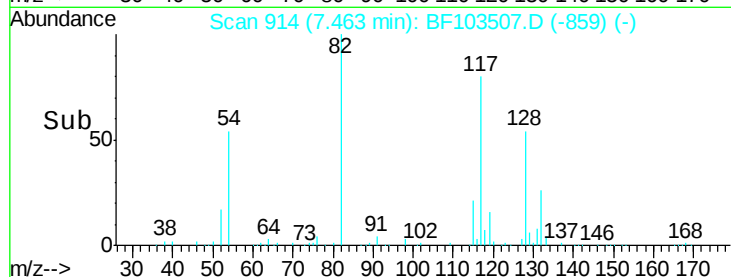
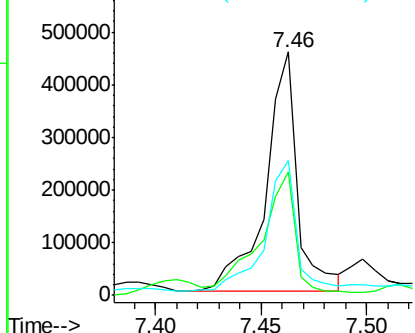
#23
Nitrobenzene-d5
Concen: 87.293 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.02 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 477492
Ion Ratio Lower Upper
82 100
128 50.7 36.1 54.1
54 55.1 41.4 62.2

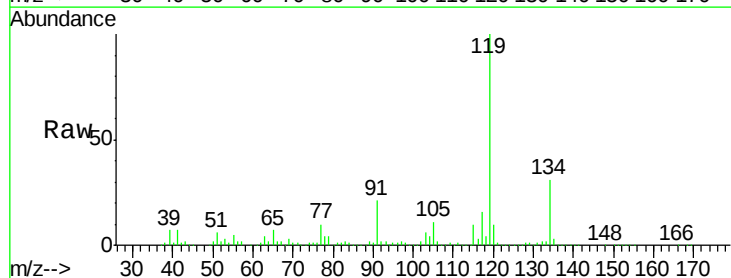


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

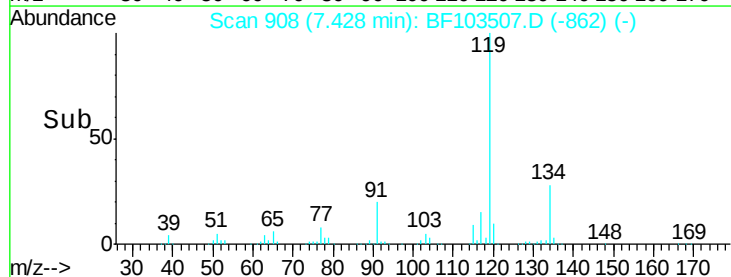
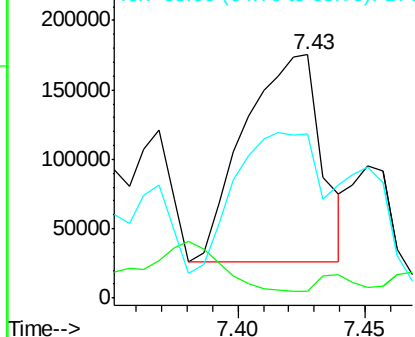


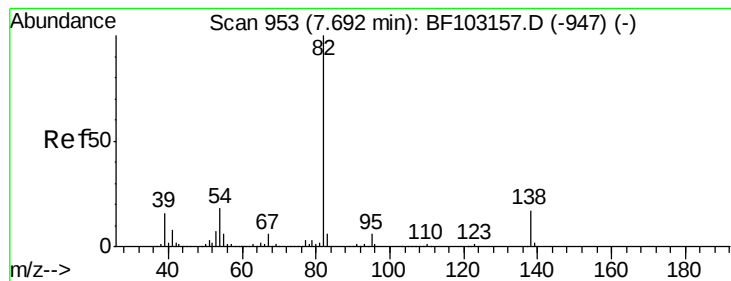
#24
Nitrobenzene
Concen: 52.630 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.03 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion: 77 Resp: 316961
Ion Ratio Lower Upper
77 100
123 3.0 37.9 56.9#
65 67.5 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 3.860 ng

RT: 7.69 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

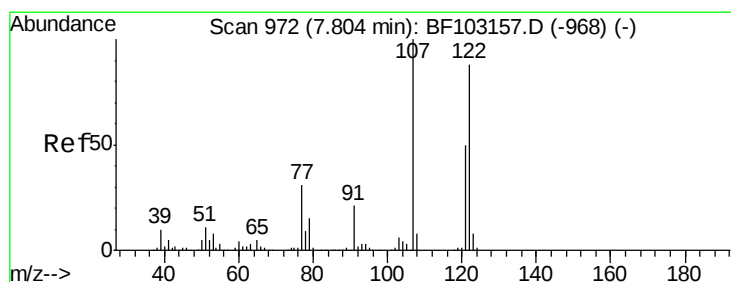
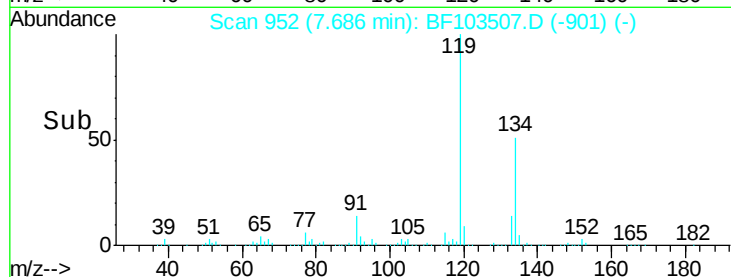
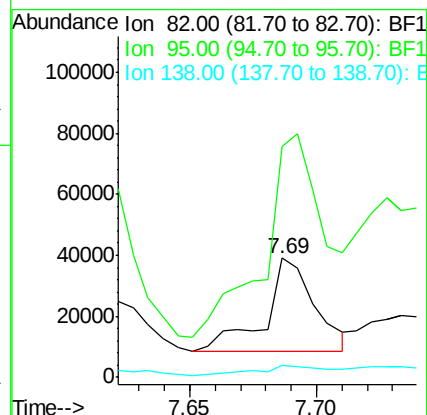
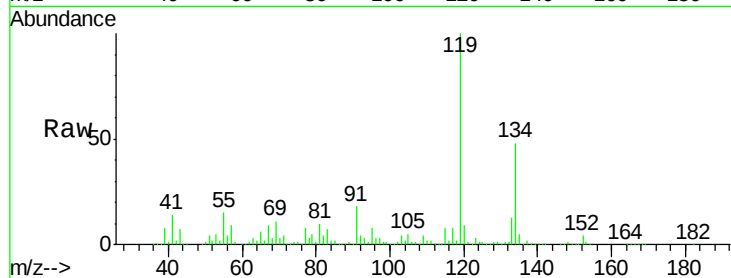
Tot Ion: 82 Resp: 41587

Ion Ratio Lower Upper

82 100

95 193.3 5.2 7.8#

138 9.8 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 3.196 ng

RT: 7.80 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

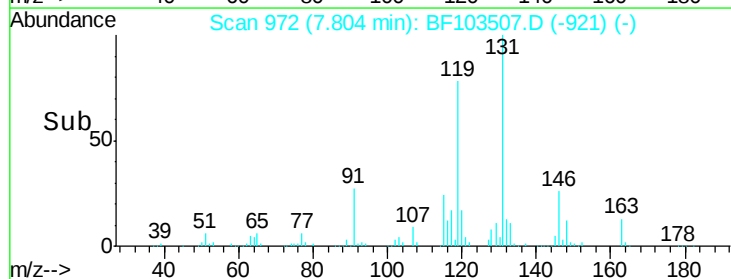
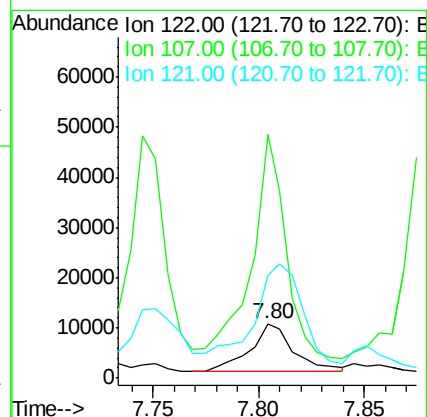
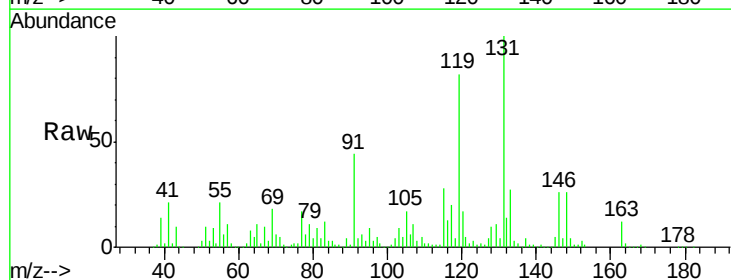
Tgt Ion:122 Resp: 13850

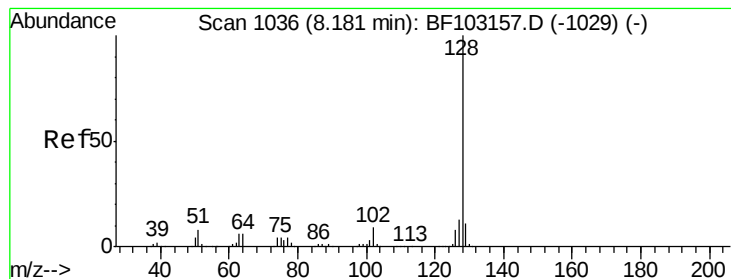
Ion Ratio Lower Upper

122 100

107 445.0 91.2 136.8#

121 187.3 47.2 70.8#





#31

Naphthalene

Concen: 179.065 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

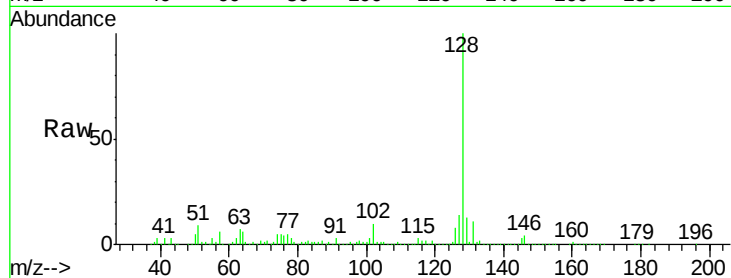
Tot Ion:128 Resp: 2738543

Ion Ratio Lower Upper

128 100

129 13.0 8.8 13.2

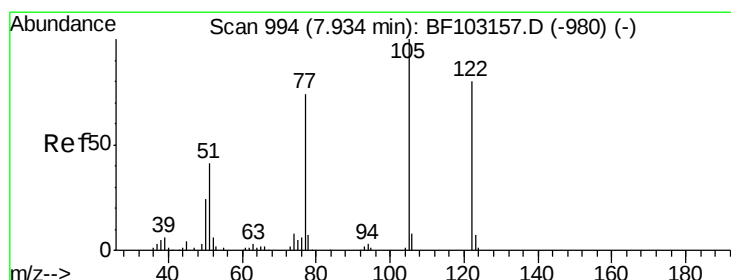
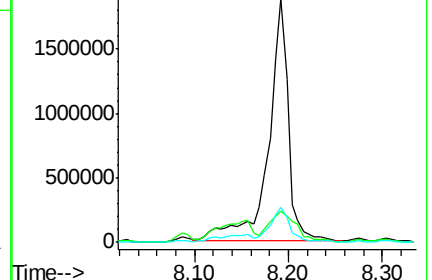
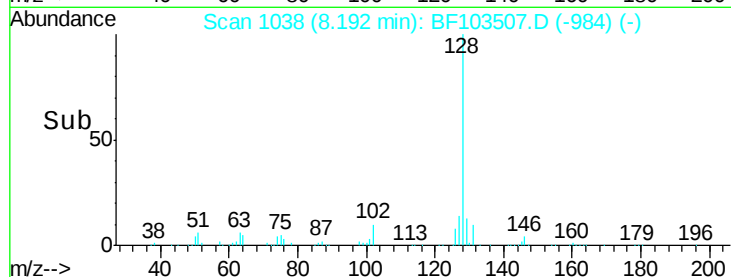
127 14.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.826 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

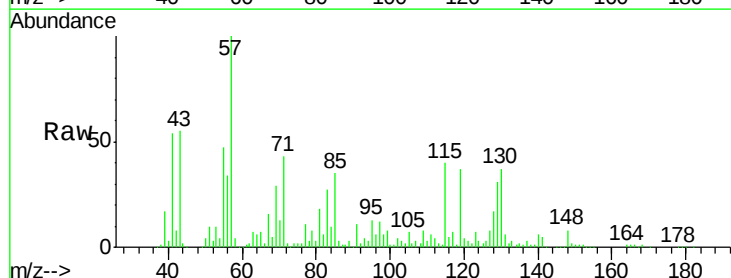
Tgt Ion:122 Resp: 14696

Ion Ratio Lower Upper

122 100

105 327.5 101.1 141.1#

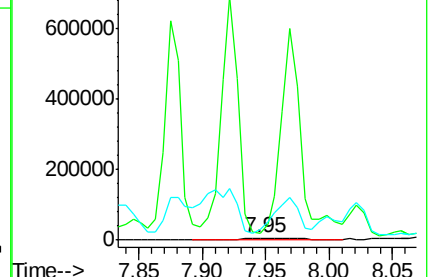
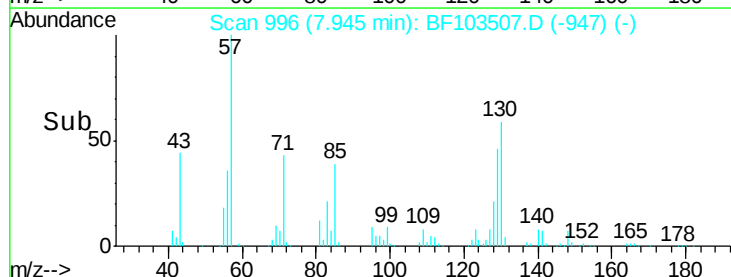
77 500.1 70.7 110.7#

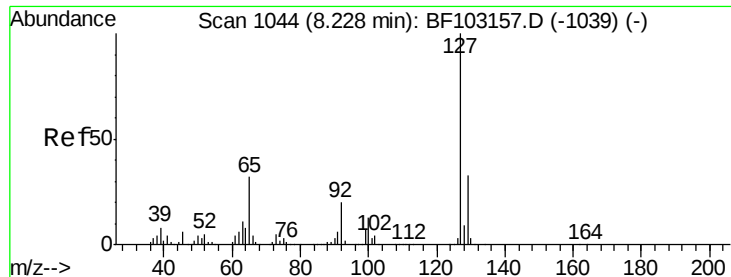


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

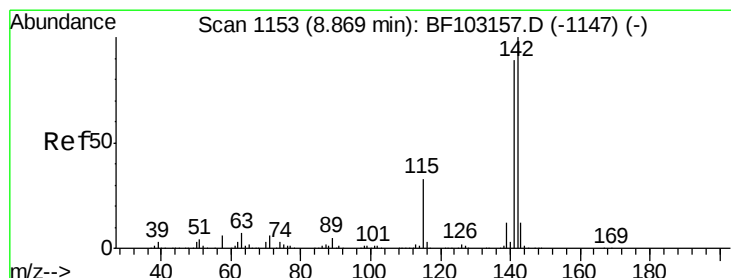
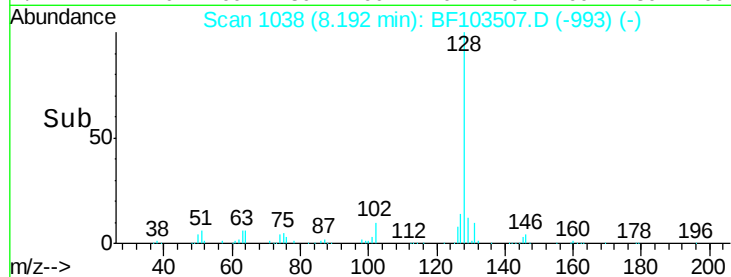
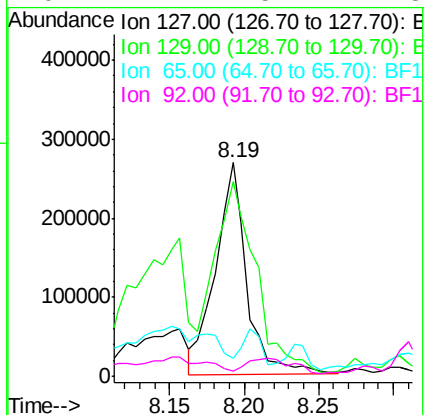
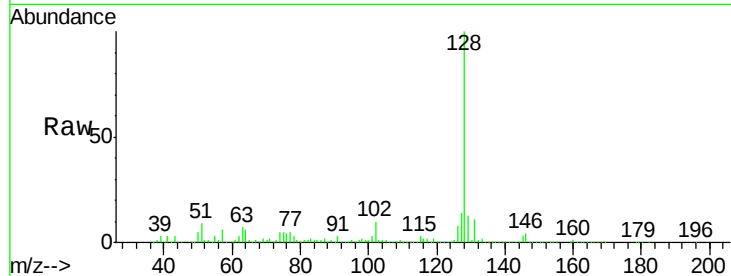




#33
4-Chloroaniline
Concen: 59.495 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.04 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

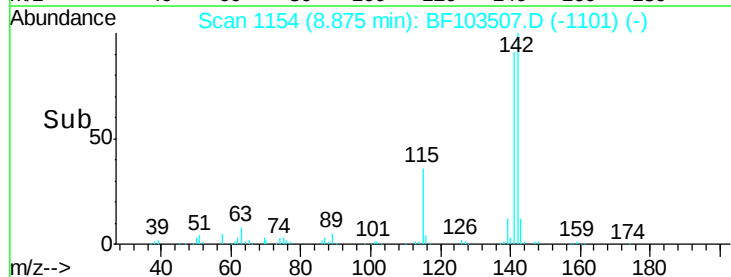
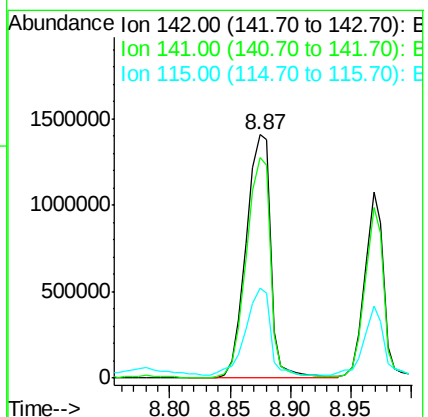
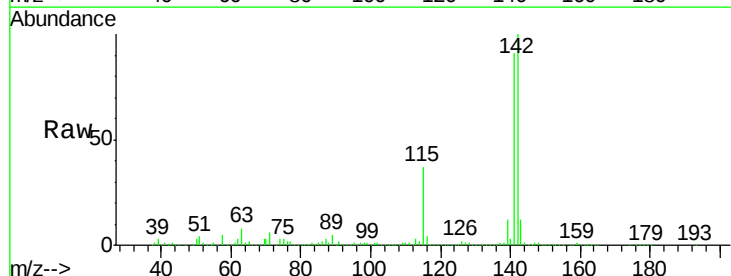
Instrument :
BNA_F
ClientSampleId :

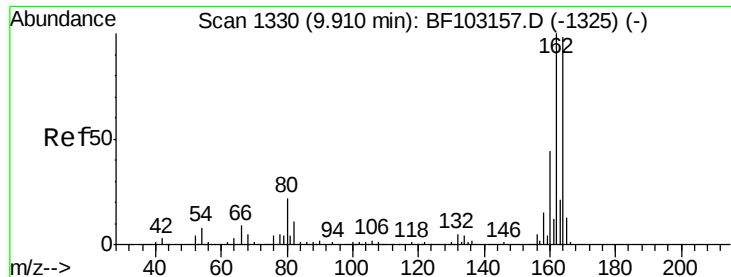
Tot Ion:127 Resp: 392639
Ion Ratio Lower Upper
127 100
129 91.0 25.9 38.9#
65 8.1 25.0 37.4#
92 2.2 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 203.816 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion:142 Resp: 2014512
Ion Ratio Lower Upper
142 100
141 90.7 70.8 106.2
115 36.7 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

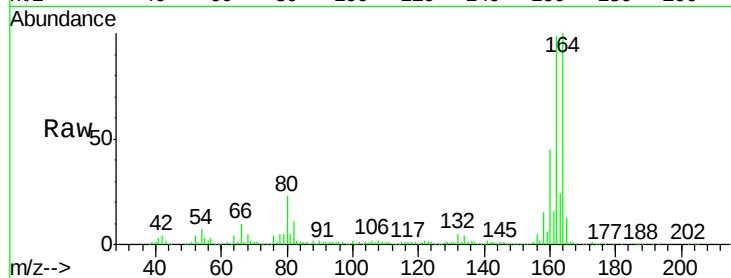
Tot Ion:164 Resp: 254302

Ion Ratio Lower Upper

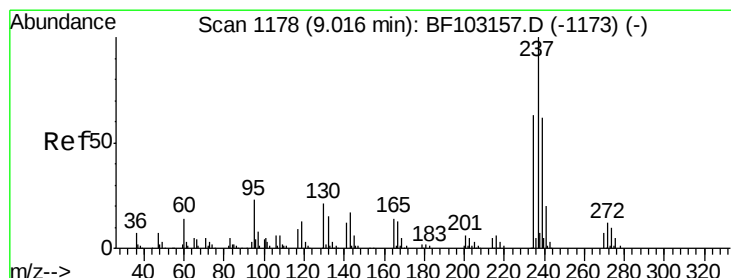
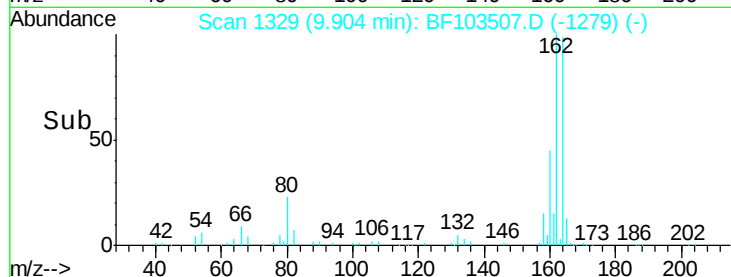
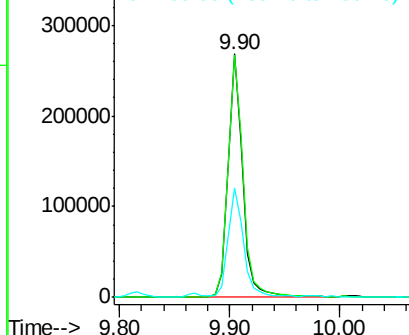
164 100

162 99.5 86.1 129.1

160 45.0 38.3 57.5



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



#40

Hexachlorocyclopentadiene

Concen: 9.056 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.16 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

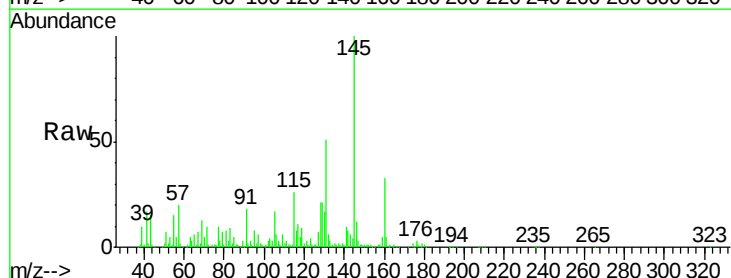
Tgt Ion:237 Resp: 480

Ion Ratio Lower Upper

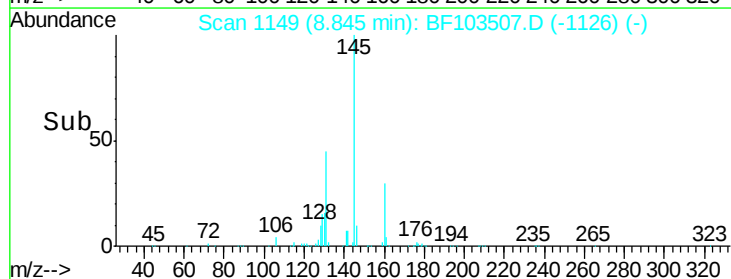
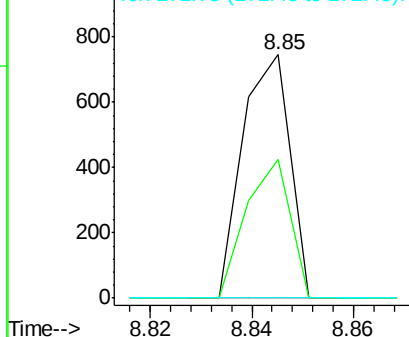
237 100

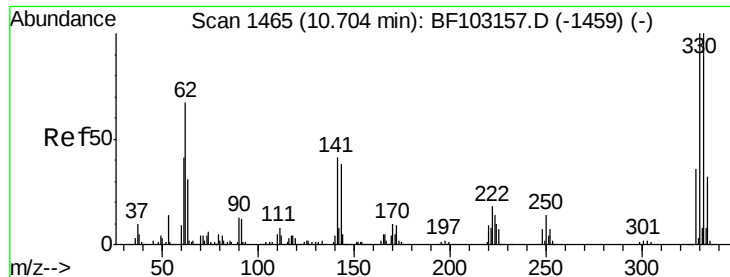
235 57.1 44.8 84.8

272 0.0 0.0 33.3



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

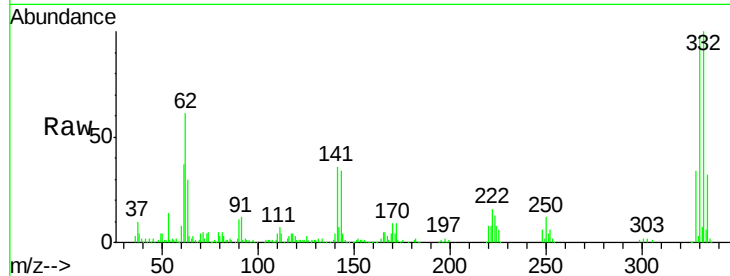




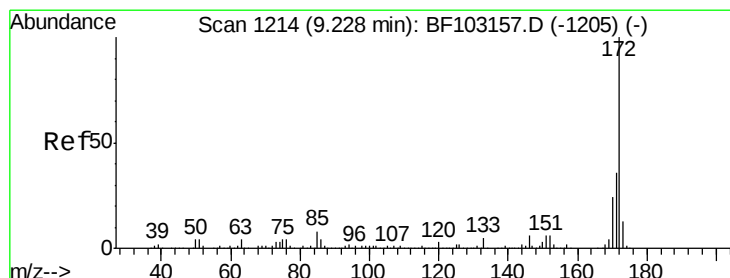
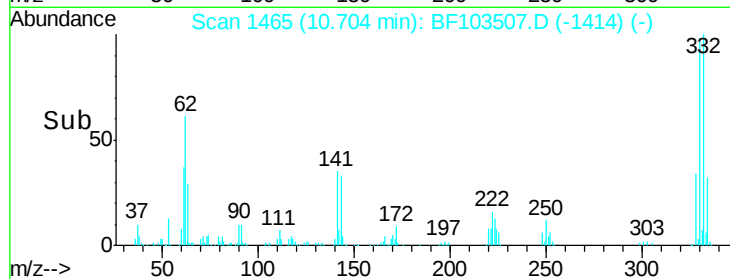
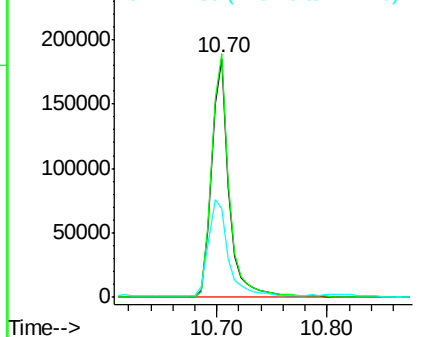
#41
 2,4,6-Tribromophenol
 Concen: 93.166 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103507.D
 Acq: 7 Mar 2018 18:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 200542
 Ion Ratio Lower Upper
 330 100
 332 103.5 77.0 115.6
 141 45.6 29.9 44.9#

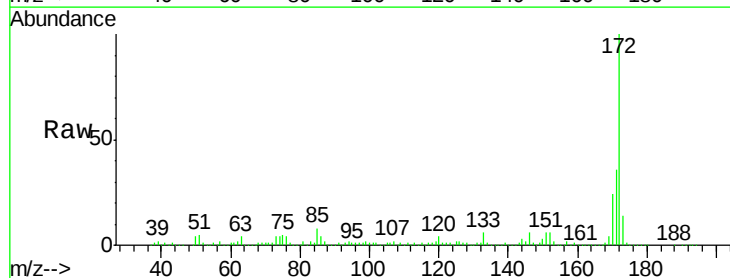


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

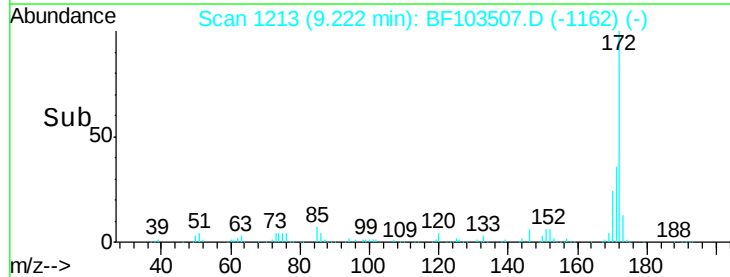
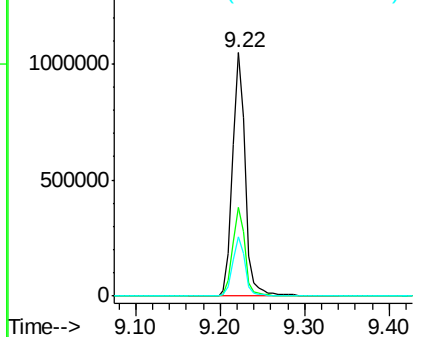


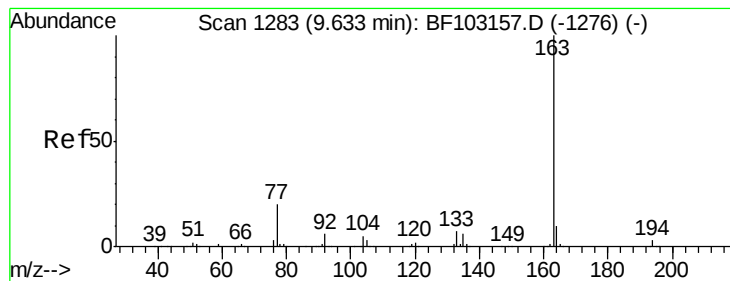
#44
 2-Fluorobiphenyl
 Concen: 69.968 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103507.D
 Acq: 7 Mar 2018 18:00

Tgt Ion:172 Resp: 1077828
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.1 19.6 29.4



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





#49

Dimethylphthalate

Concen: 4.188 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

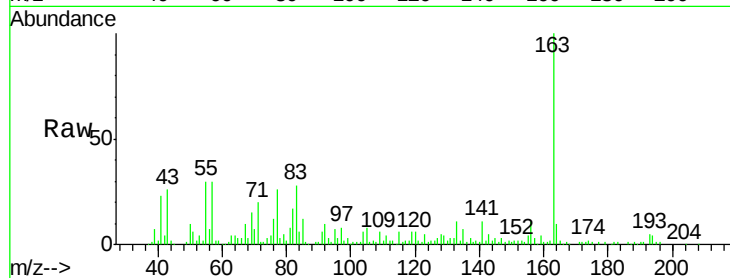
Tot Ion:163 Resp: 85446

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1

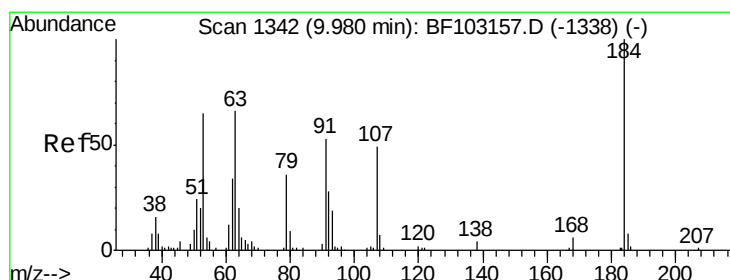
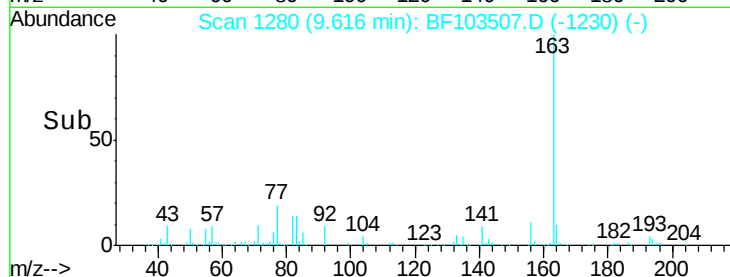
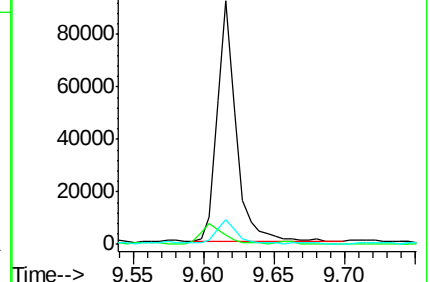
164 10.4 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 10.342 ng

RT: 10.19 min Scan# 1377

Delta R.T. 0.19 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

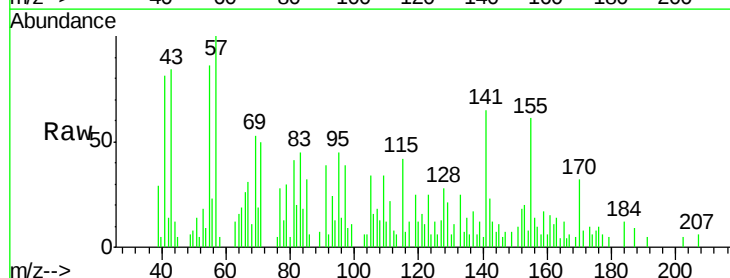
Tgt Ion:184 Resp: 1268

Ion Ratio Lower Upper

184 100

63 96.8 54.2 81.2#

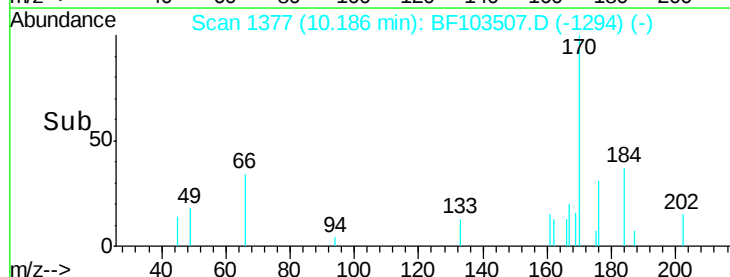
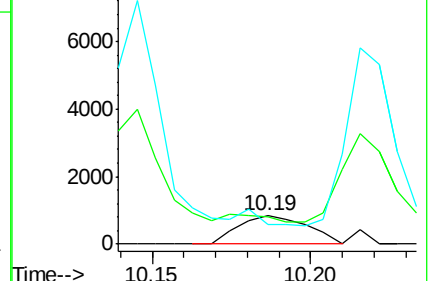
154 69.0 184.0 276.0#

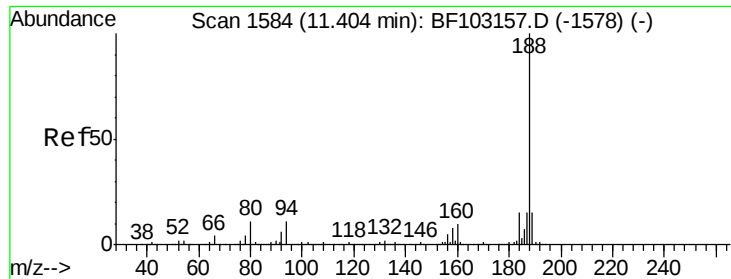


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

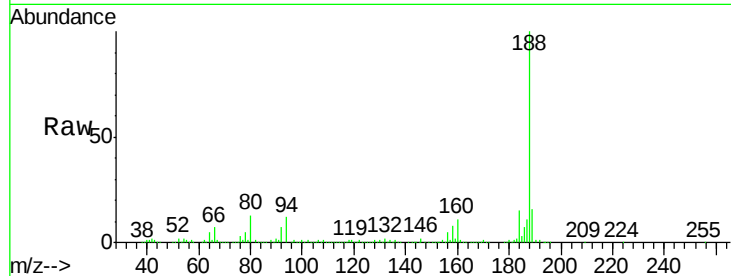
Tot Ion:188 Resp: 365319

Ion Ratio Lower Upper

188 100

94 12.0 8.5 12.7

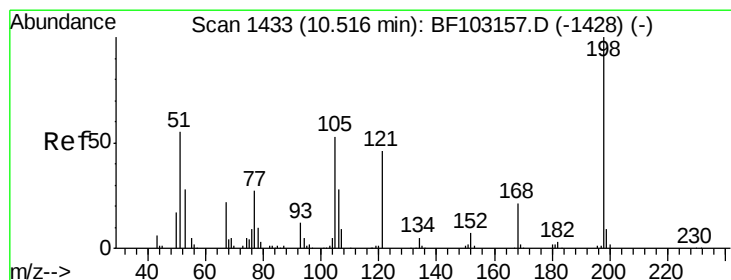
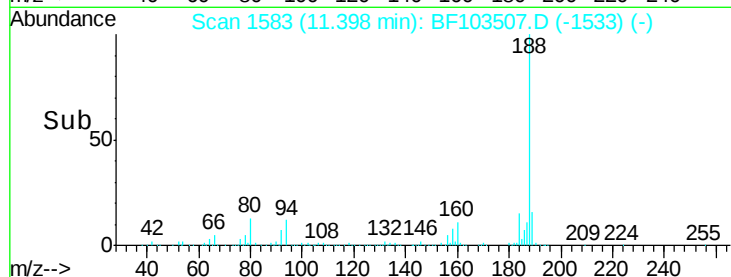
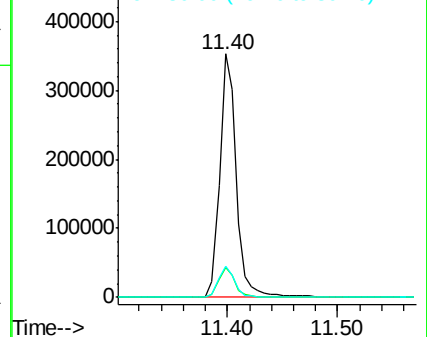
80 13.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 4.990 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.11 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

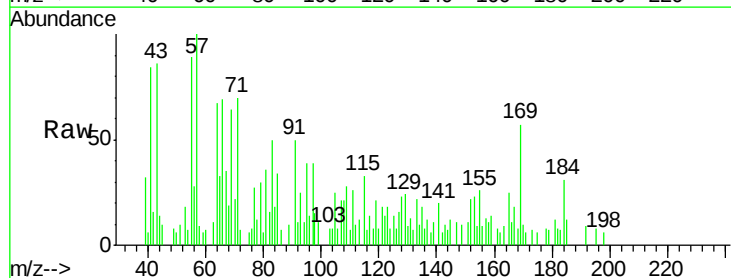
Tgt Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 174.0 37.7 77.7#

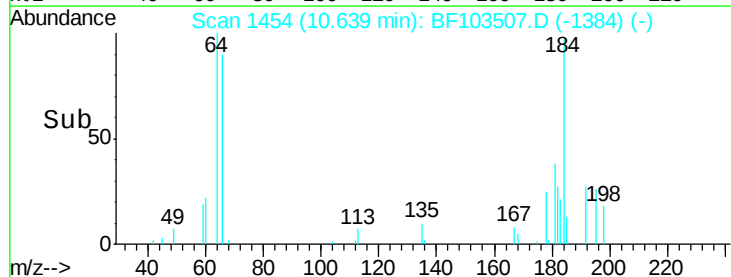
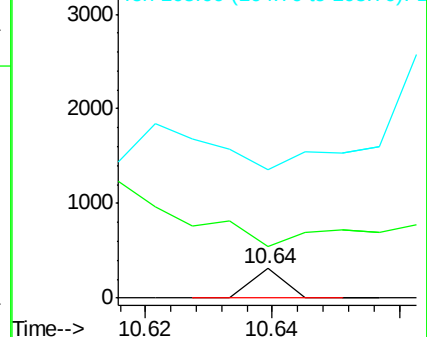
105 435.7 36.3 76.3#

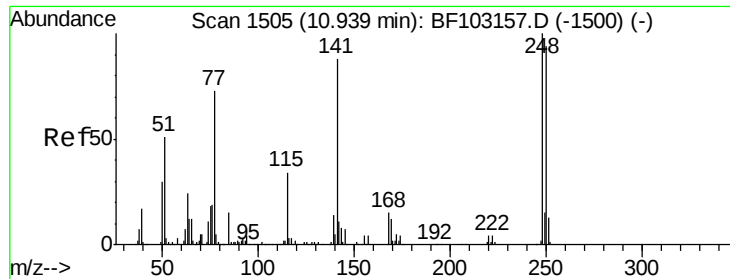


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

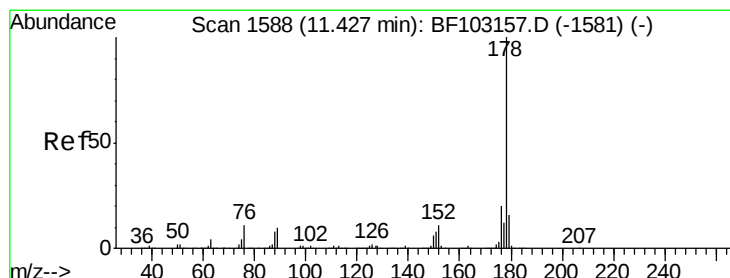
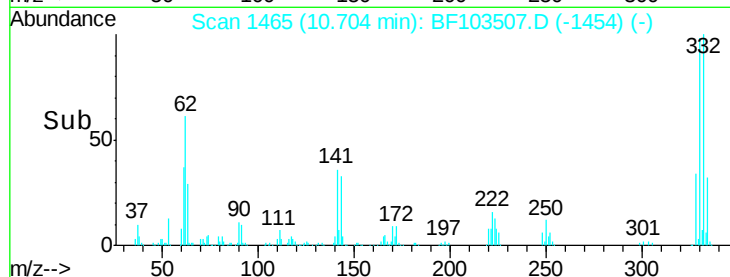
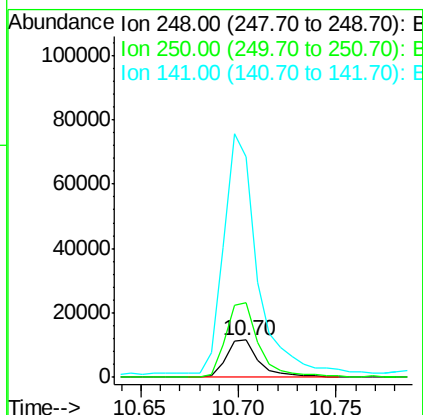
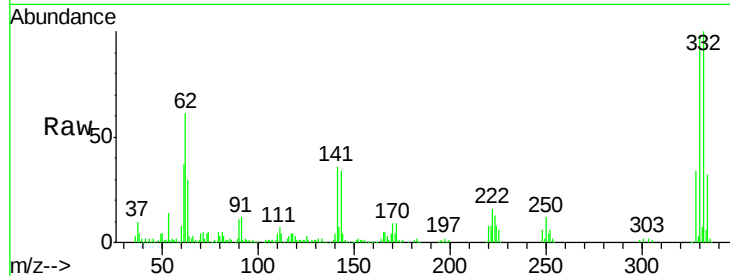




#66
 4-Bromophenyl-phenylether
 Concen: 3.601 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF103507.D
 Acq: 7 Mar 2018 18:00

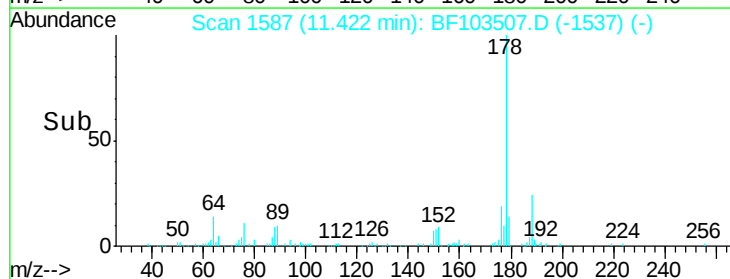
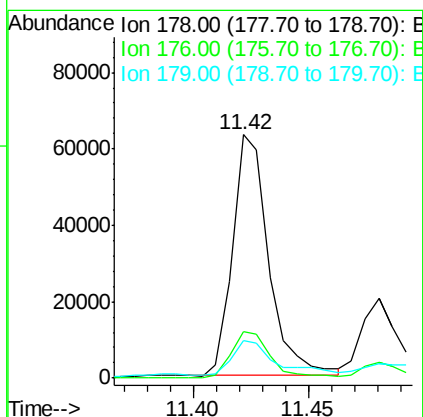
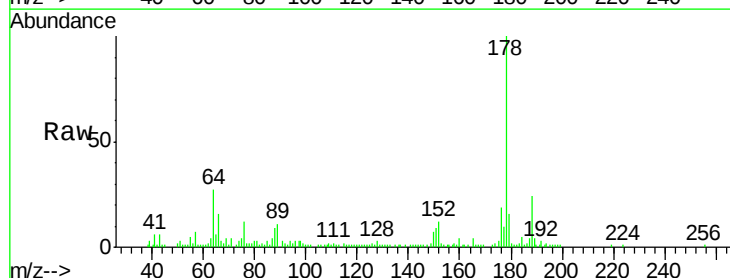
Instrument :
 BNA_F
 ClientSampled :

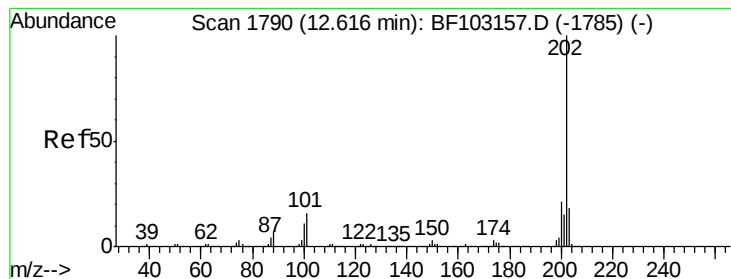
Tot Ion:248 Resp: 13705
 Ion Ratio Lower Upper
 248 100
 250 202.8 76.9 115.3#
 141 597.5 74.4 111.6#



#70
 Phenanthrene
 Concen: 3.428 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103507.D
 Acq: 7 Mar 2018 18:00

Tgt Ion:178 Resp: 68925
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.7 13.0 19.6





#74

Fluoranthene

Concen: 7.321 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

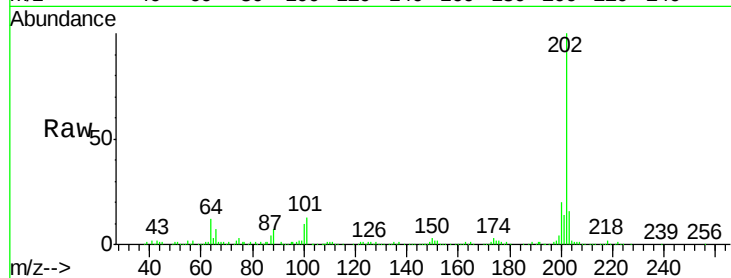
Tot Ion:202 Resp: 147901

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

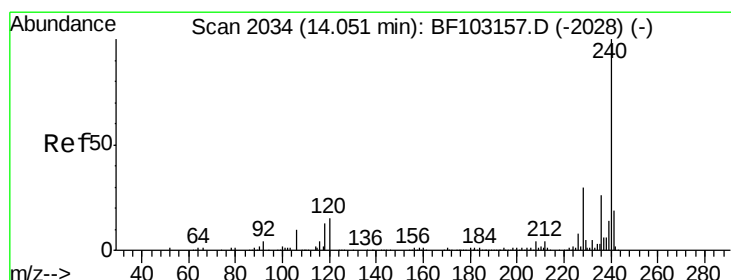
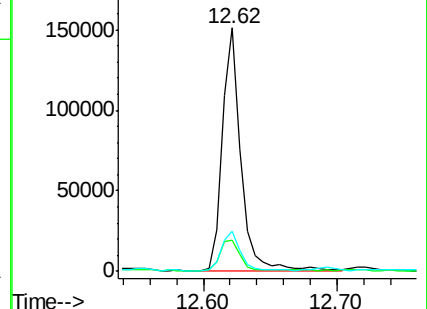
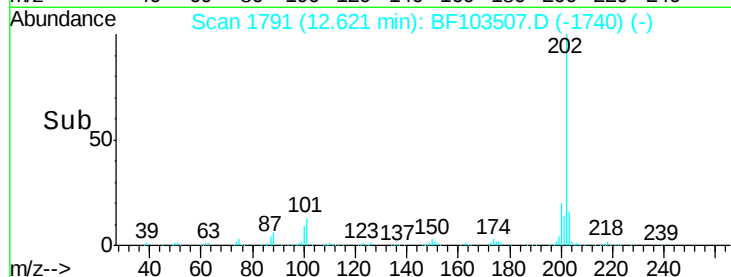
203 16.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

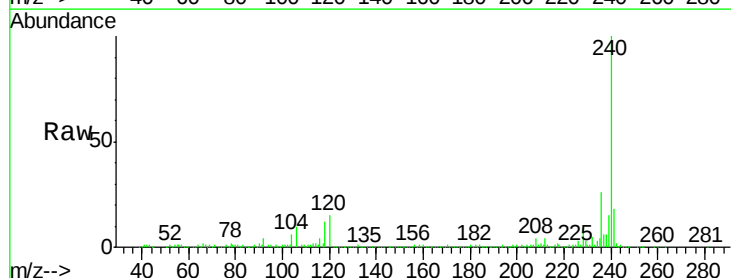
Tgt Ion:240 Resp: 235784

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

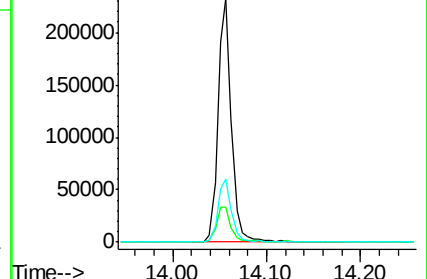
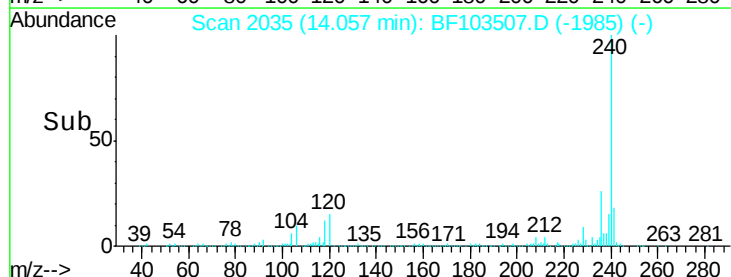
236 25.7 20.7 31.1

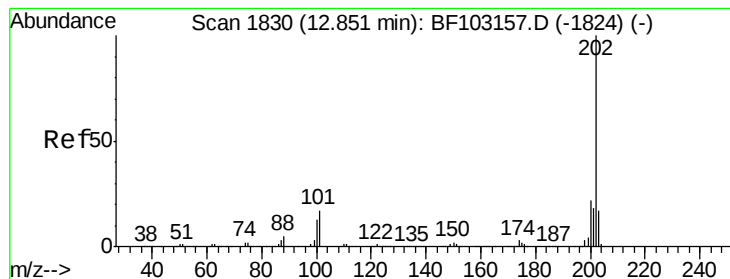


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.731 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

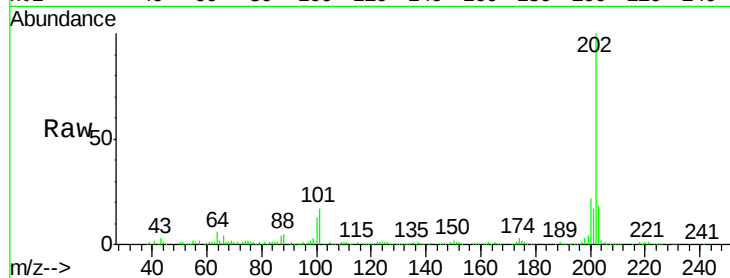
Tot Ion:202 Resp: 160496

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

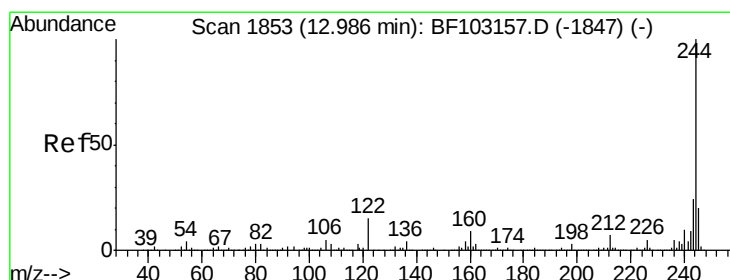
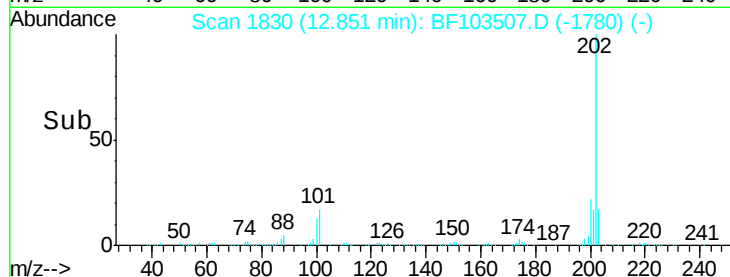
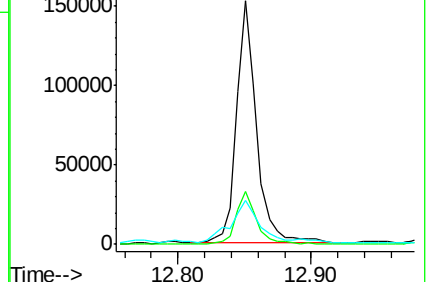
203 18.0 14.3 21.5



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: 73.560 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

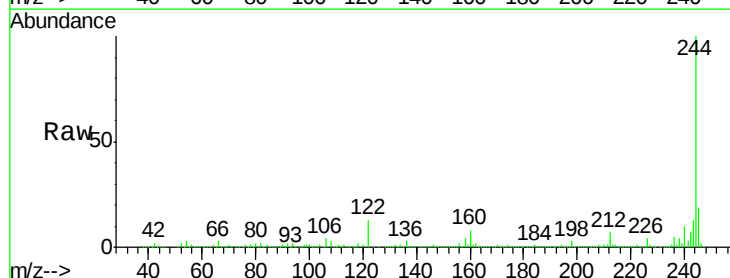
Tgt Ion:244 Resp: 721511

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

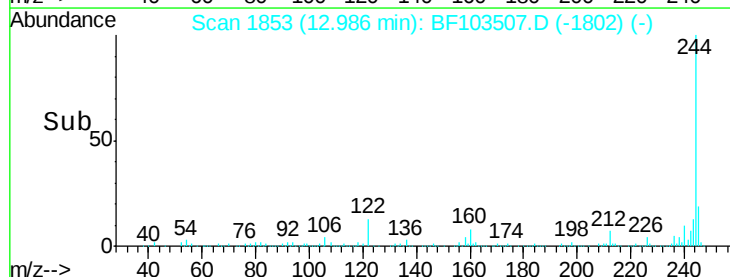
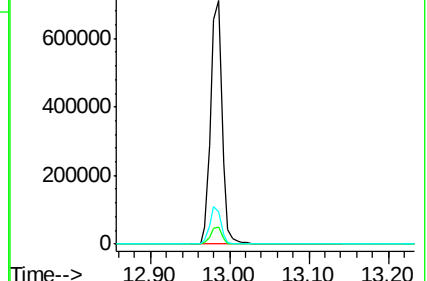
122 13.3 11.0 16.4

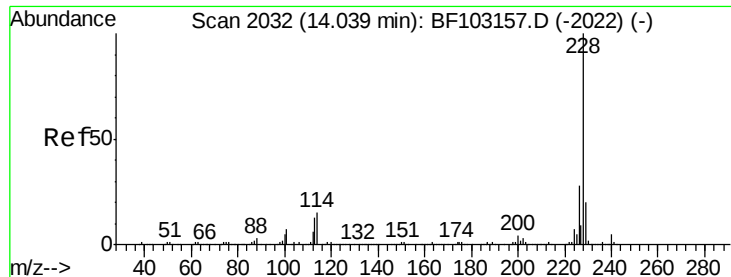


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.500 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

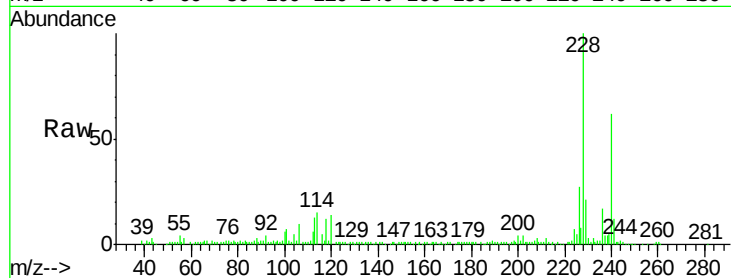
Tot Ion:228 Resp: 99440

Ion Ratio Lower Upper

228 100

226 27.0 22.6 33.8

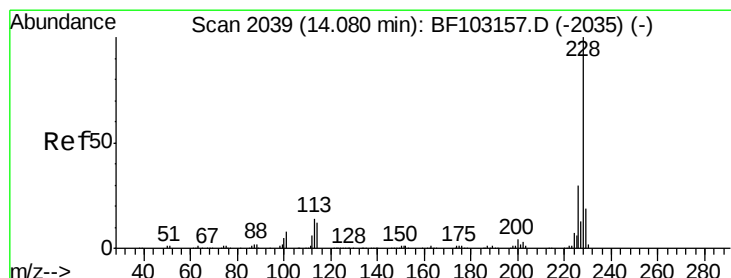
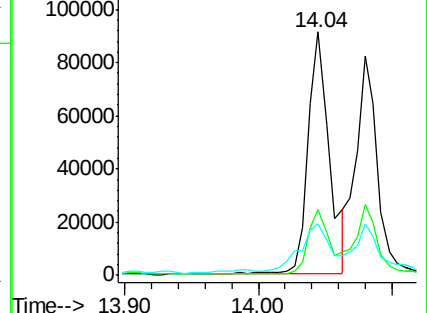
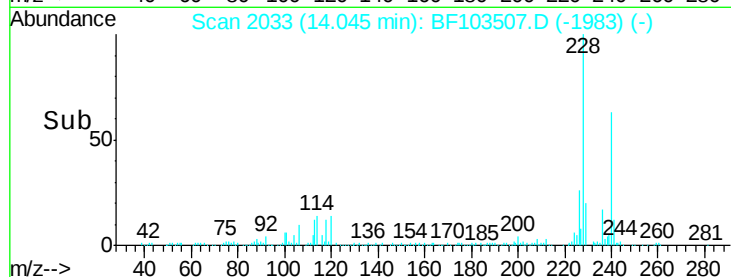
229 21.1 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.236 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

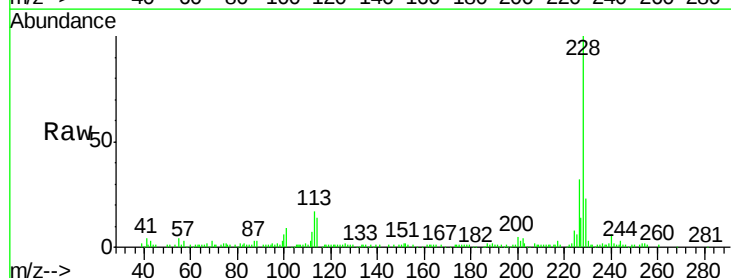
Tgt Ion:228 Resp: 92640

Ion Ratio Lower Upper

228 100

226 32.5 25.0 37.6

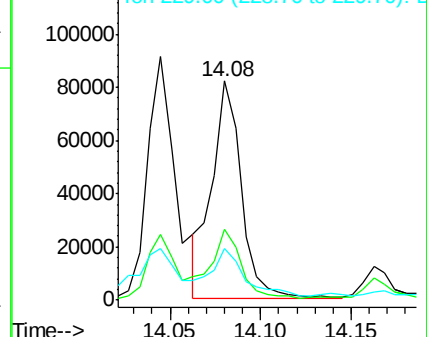
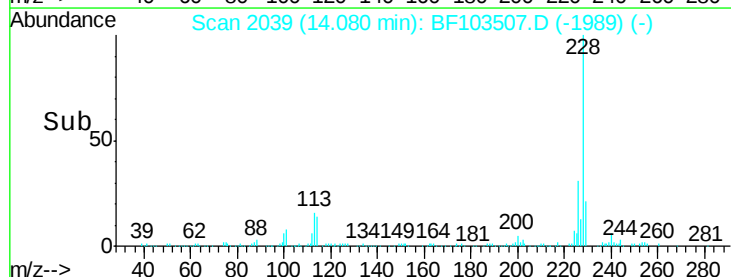
229 23.4 16.2 24.4

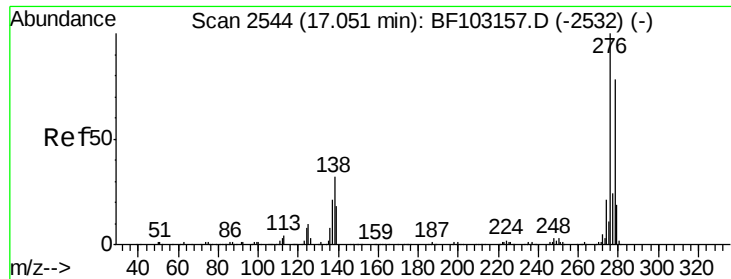


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.765 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampleId :

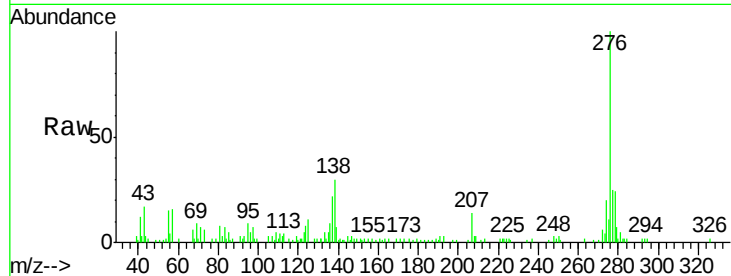
Tot Ion:276 Resp: 56031

Ion Ratio Lower Upper

276 100

138 27.9 25.0 37.6

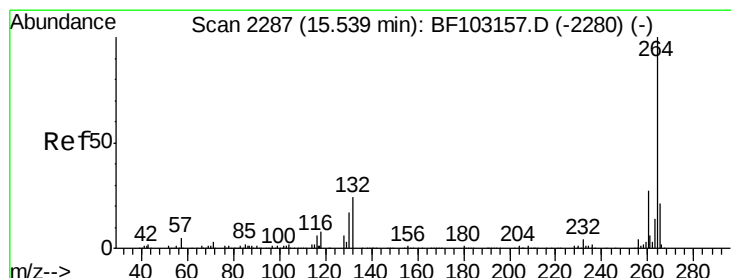
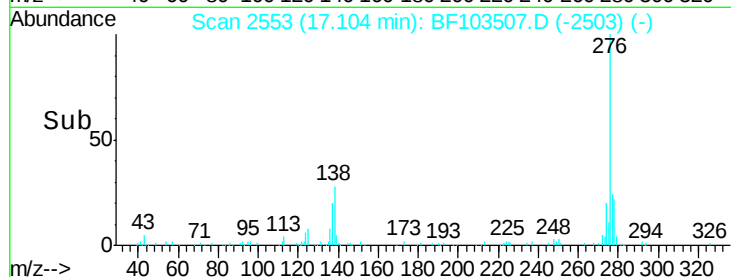
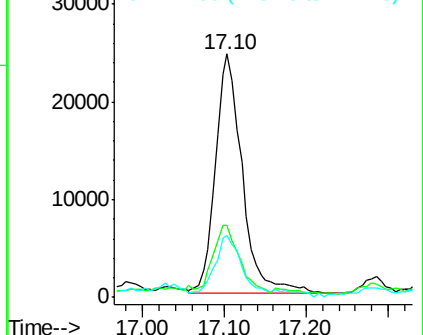
277 22.4 20.1 30.1



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: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.00 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

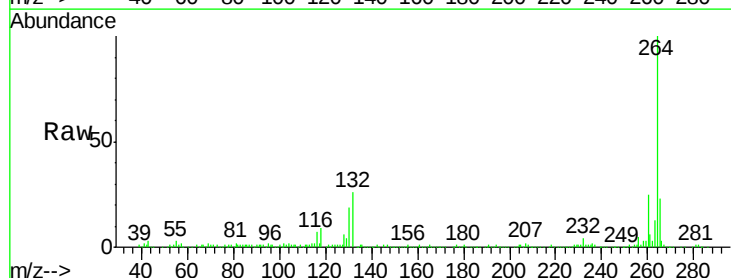
Tgt Ion:264 Resp: 192220

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

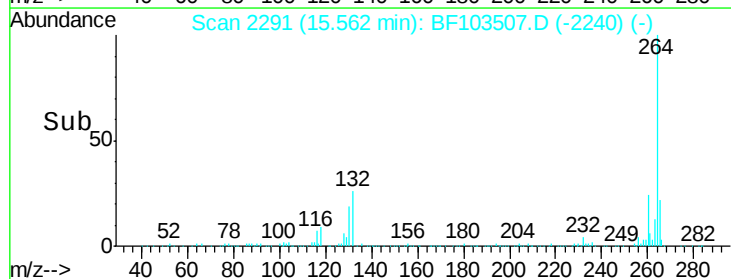
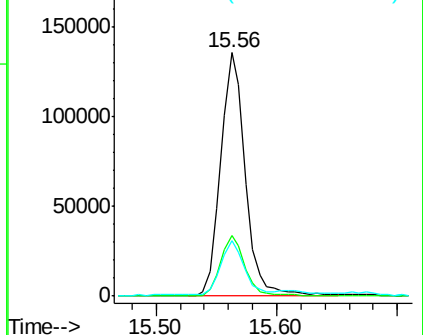
265 22.8 17.5 26.3

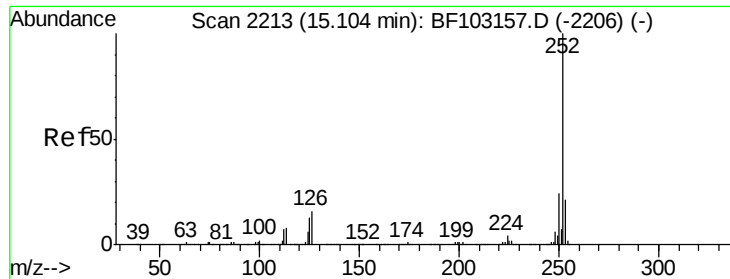


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

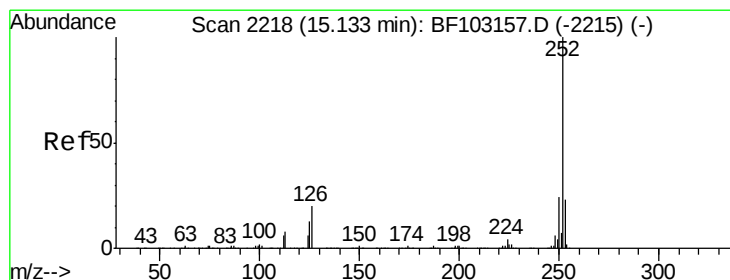
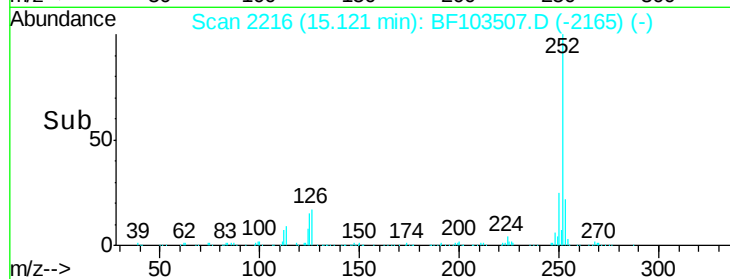
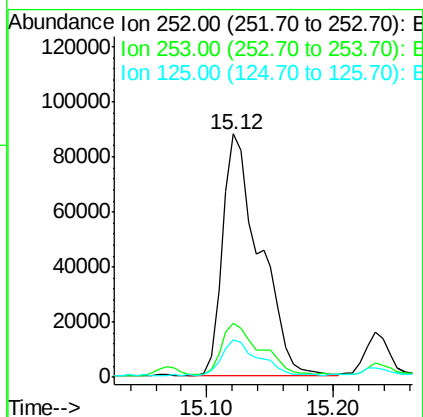
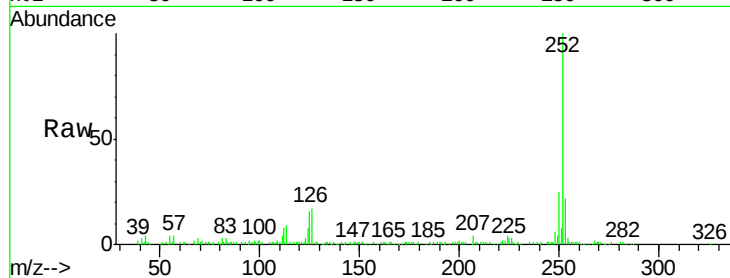




#87
Benzo(b)fluoranthene
Concen: 14.210 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

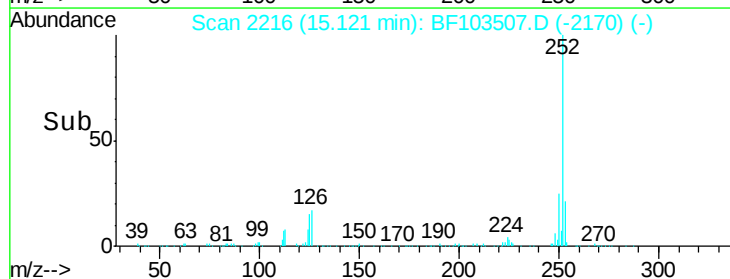
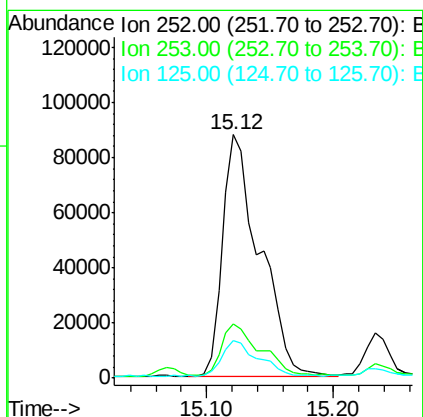
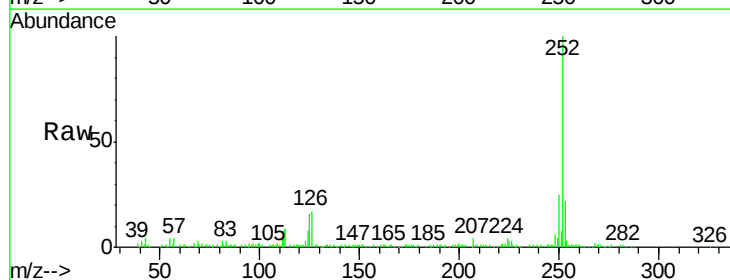
Instrument :
BNA_F
ClientSampleId :

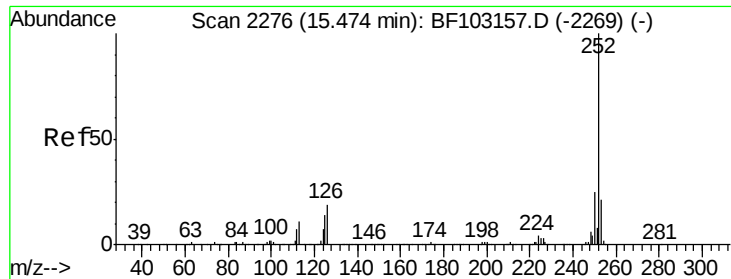
Tot Ion:252 Resp: 179589
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 15.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 15.090 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion:252 Resp: 179589
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 15.5 10.2 15.2#

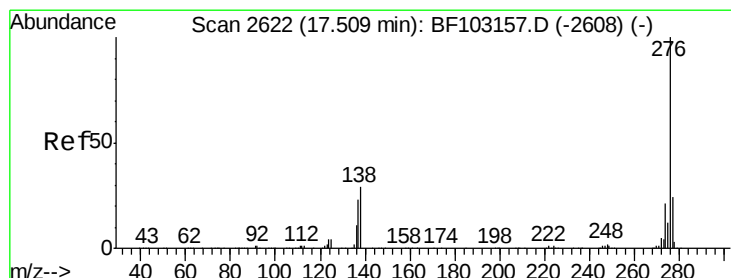
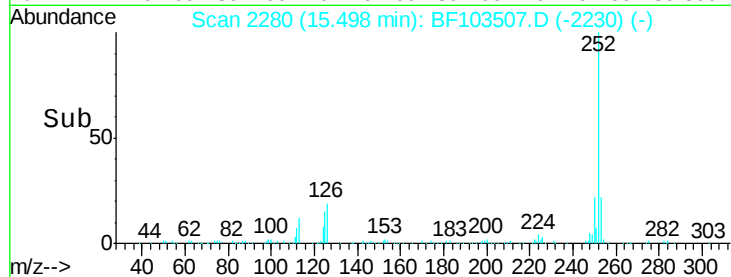
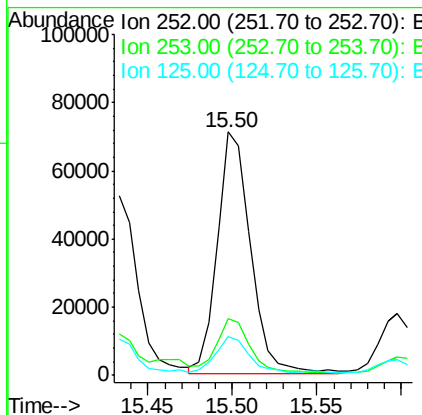
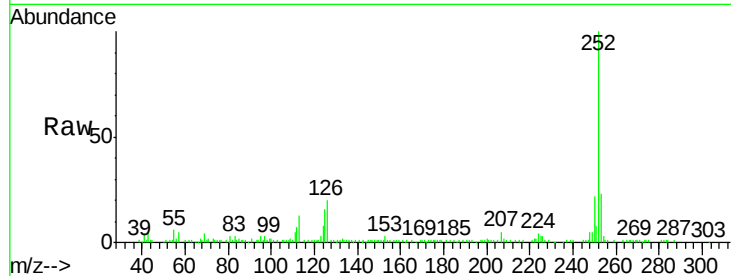




#89
Benzo(a)pyrene
Concen: 8.645 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 97564
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 16.1 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 6.691 ng
RT: 17.57 min Scan# 2633
Delta R.T. 0.00 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion:276 Resp: 57030
Ion Ratio Lower Upper
276 100
277 27.2 17.9 26.9#
138 31.5 21.8 32.8

