

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030918\
 Data File : BF103556.D
 Acq On : 9 Mar 2018 14:52
 Operator : SJ/JU
 Sample : J1755-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 15:21:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	135595	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	564673	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	236043	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	351209	20.00	ng	0.00
75) Chrysene-d12	14.06	240	227564	20.00	ng	0.00
86) Perylene-d12	15.57	264	201981	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	994099	110.88	ng	0.00
7) Phenol-d6	6.50	99	1237485	112.80	ng	0.00
23) Nitrobenzene-d5	7.43	82	804691	81.38	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	160155	80.16	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	984649	68.59	ng	0.00
78) Terphenyl-d14	12.98	244	616754	65.15	ng	0.00

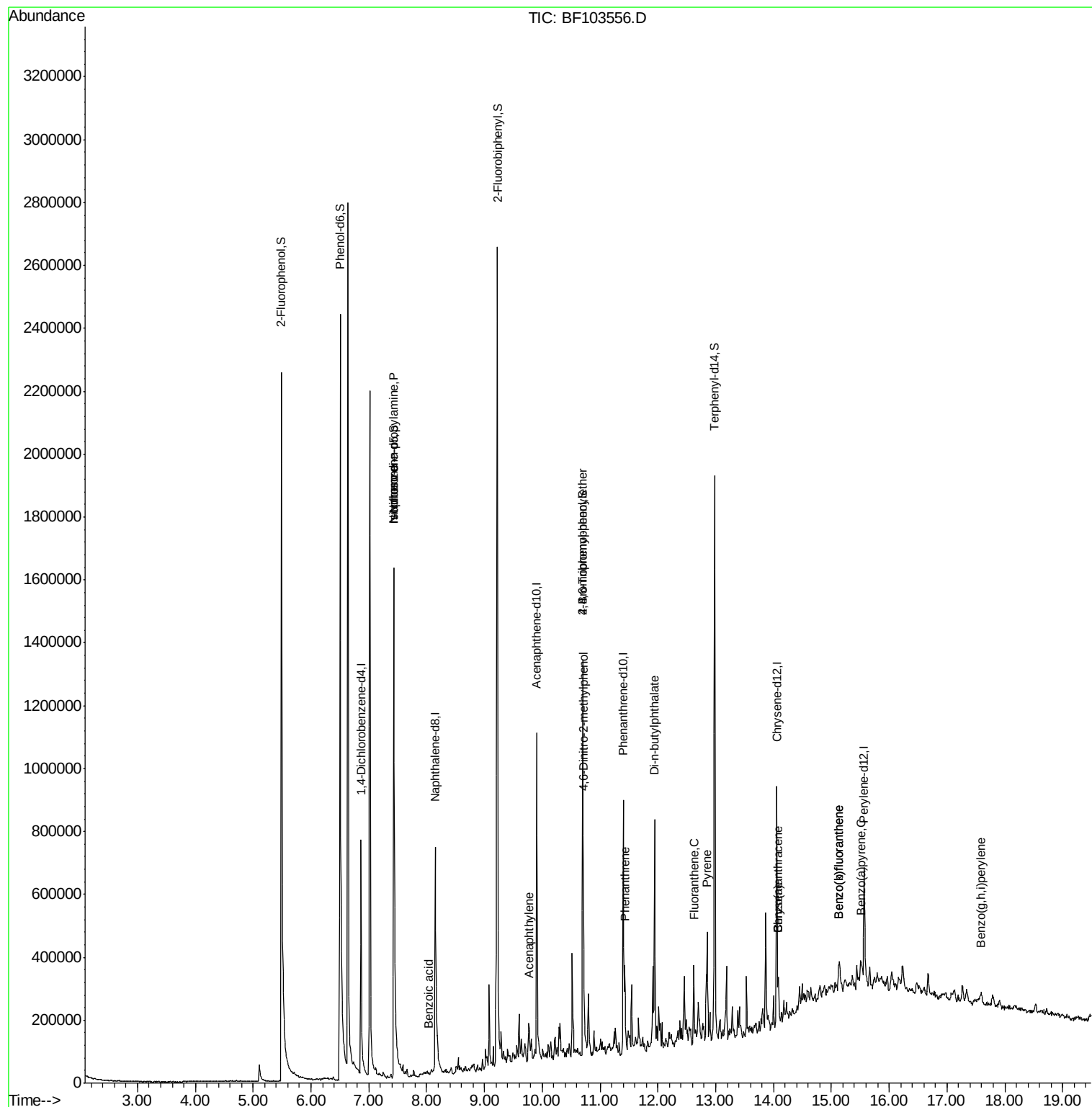
Target Compounds				Qvalue		
9) Benzaldehyde	6.50	77	2544	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	104381	15.288	ng	86
25) Isophorone	7.43	82	804691	41.321	ng	64
32) Benzoic acid	8.03	122	295	6.957	ng	91
48) Acenaphthylene	9.77	152	60059	2.495	ng	98
64) 4,6-Dinitro-2-methylphenol	10.72	198	695	5.237	ng	1
66) 4-Bromophenyl-phenylether	10.70	248	11358	3.105	ng	1
70) Phenanthrene	11.43	178	82302	4.258	ng	99
73) Di-n-butylphthalate	11.94	149	335799	13.597	ng	99
74) Fluoranthene	12.62	202	100065	5.152	ng	98
77) Pyrene	12.85	202	146674	8.267	ng	98
80) Benzo(a)anthracene	14.09	228	61592	4.171	ng	91
82) Chrysene	14.09	228	61592	4.296	ng	95
87) Benzo(b)fluoranthene	15.13	252	59619	4.489	ng	89
88) Benzo(k)fluoranthene	15.13	252	59619	4.767	ng	91
89) Benzo(a)pyrene	15.51	252	42548	3.588	ng	90
91) Benzo(a,h,i)perylene	17.60	276	26176	2.923	ng	89

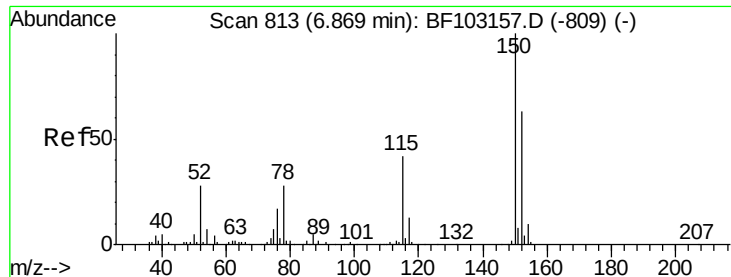
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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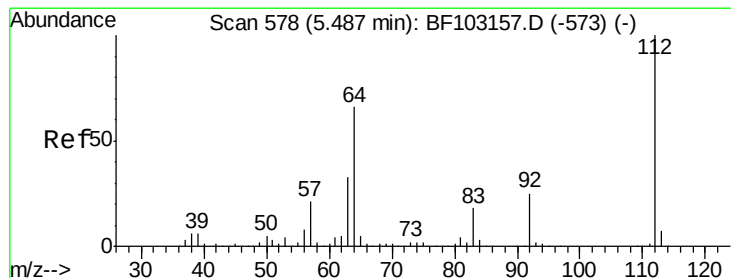
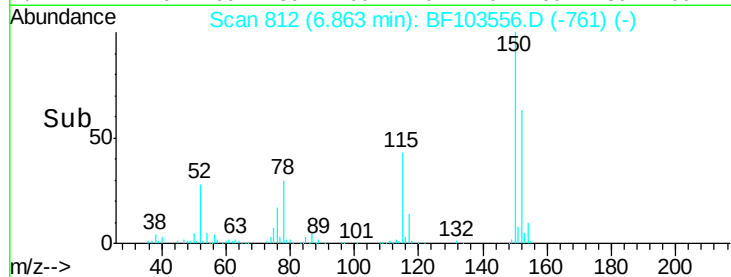
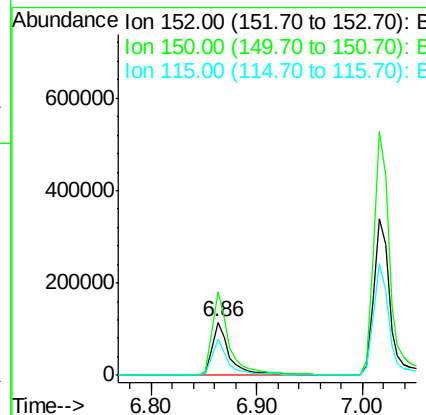
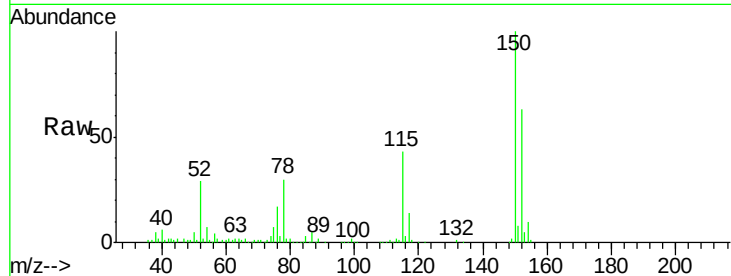


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Instrument :
BNA_F
ClientSampleId :

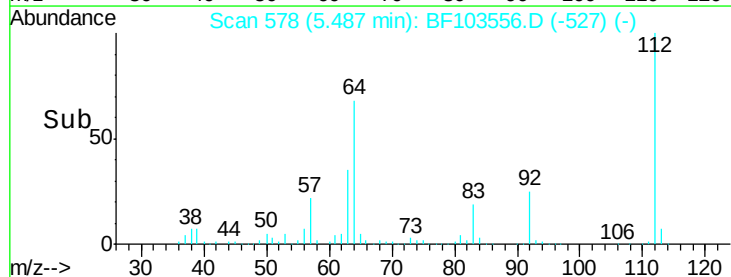
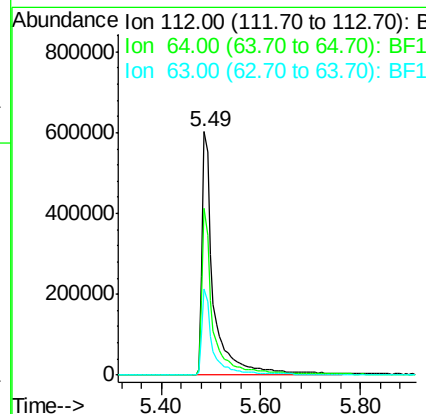
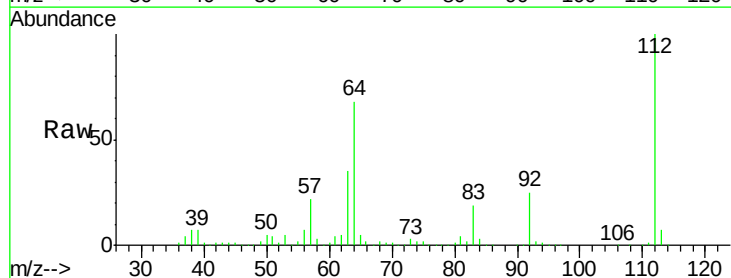
Tot Ion:152 Resp: 135595
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 67.7 50.1 75.1

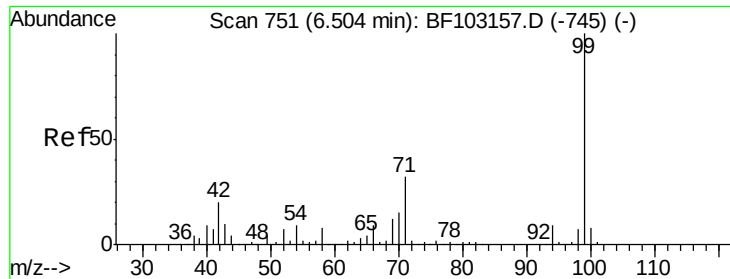


#5

2-Fluorophenol
Concen: 110.882 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Tgt Ion:112 Resp: 994099
Ion Ratio Lower Upper
112 100
64 68.5 47.9 71.9
63 35.3 23.7 35.5





#7

Phenol-d6

Concen: 112.801 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

Instrument :

BNA_F

ClientSampleId :

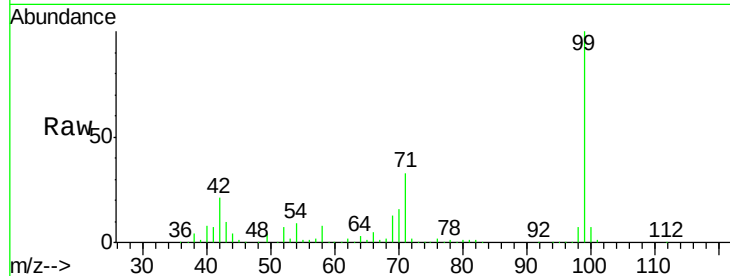
Tot Ion: 99 Resp: 1237485

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

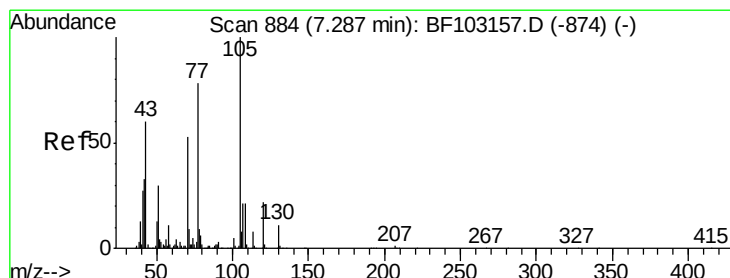
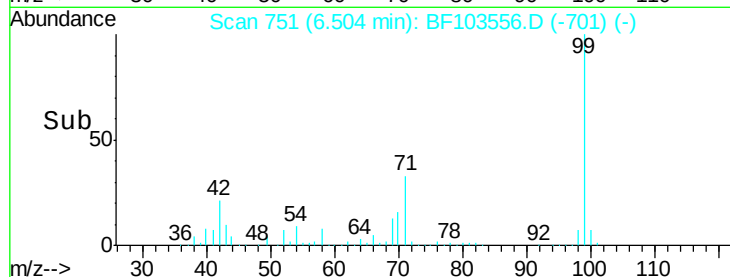
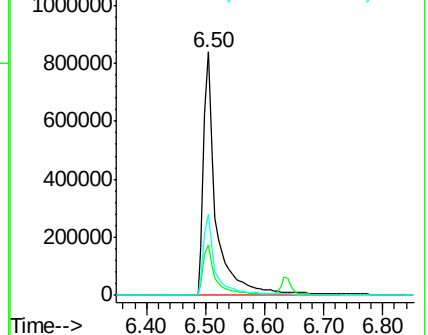
71 33.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.288 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

Tgt Ion: 70 Resp: 104381

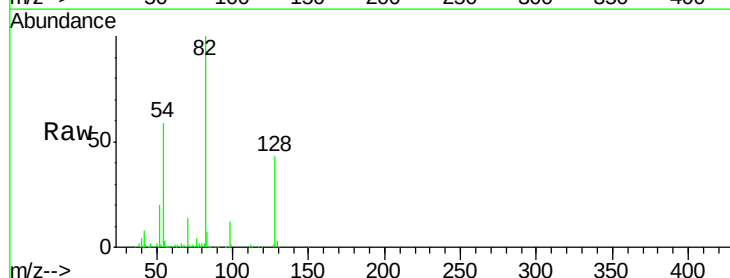
Ion Ratio Lower Upper

70 100

42 57.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

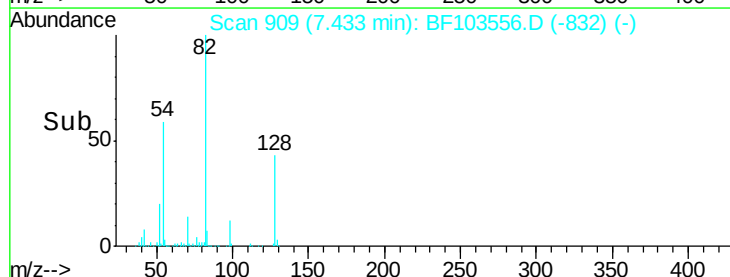
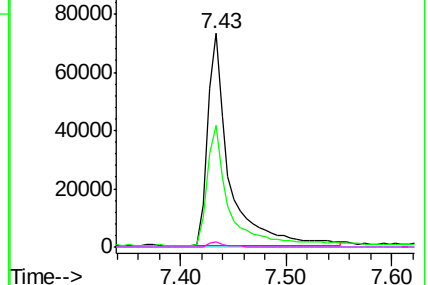


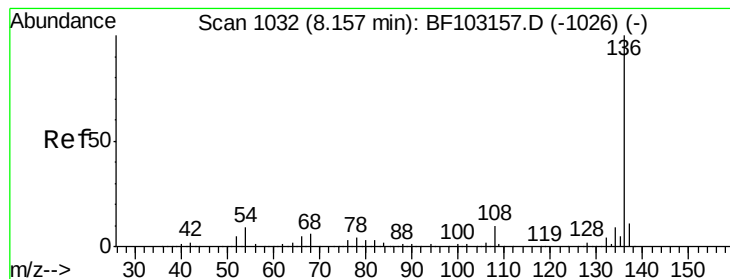
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 564673

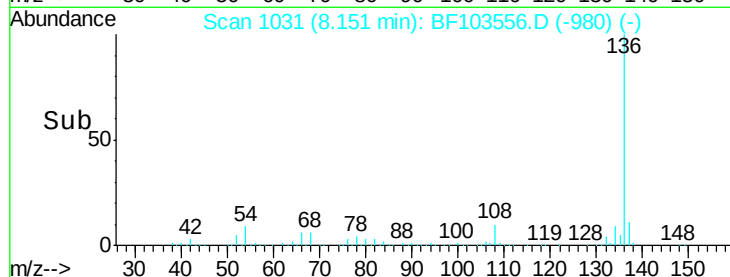
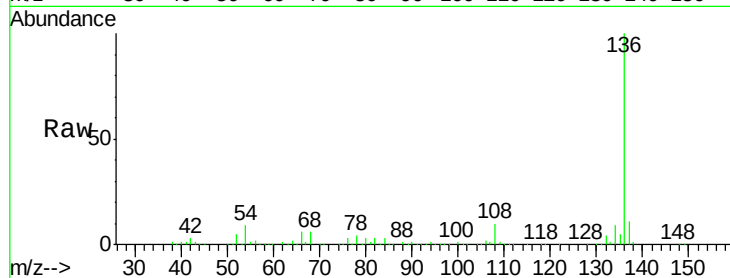
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.8 6.6 9.8

68 6.4 5.0 7.4

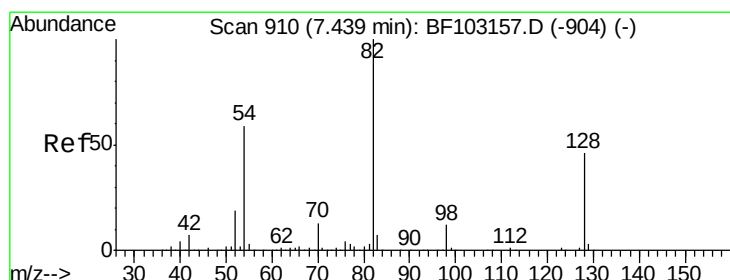
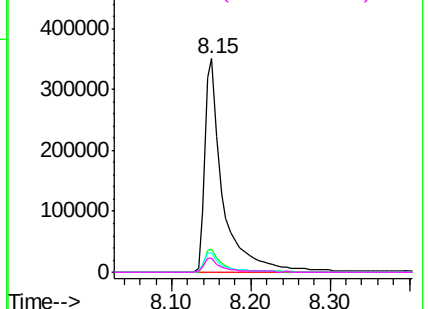


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 81.383 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

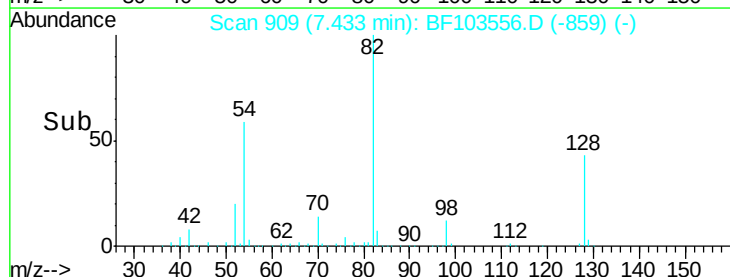
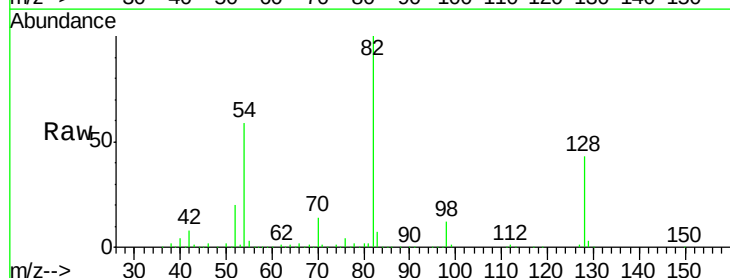
Tgt Ion: 82 Resp: 804691

Ion Ratio Lower Upper

82 100

128 42.6 36.1 54.1

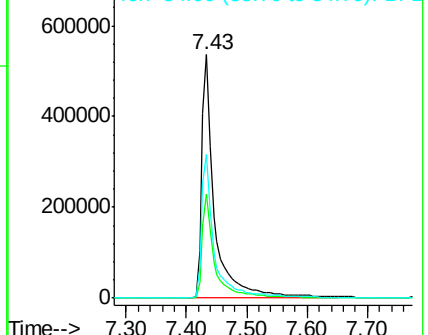
54 59.3 41.4 62.2

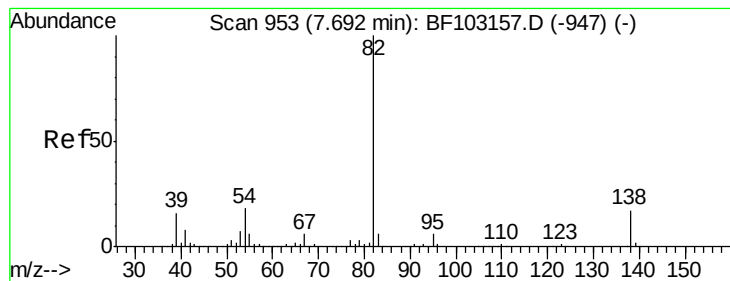


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.321 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

Instrument :

BNA_F

ClientSampleId :

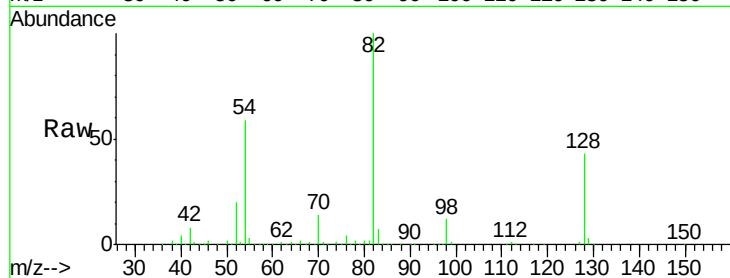
Tot Ion: 82 Resp: 804691

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

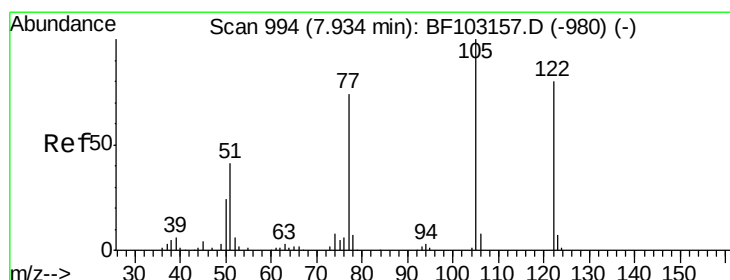
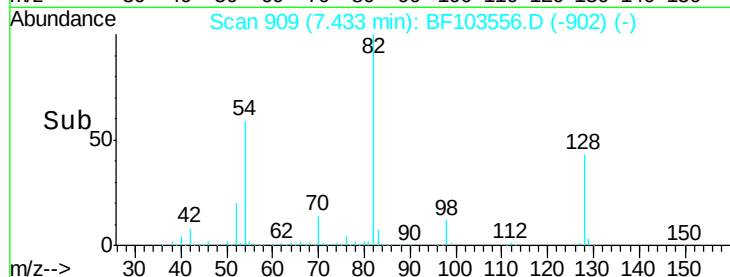
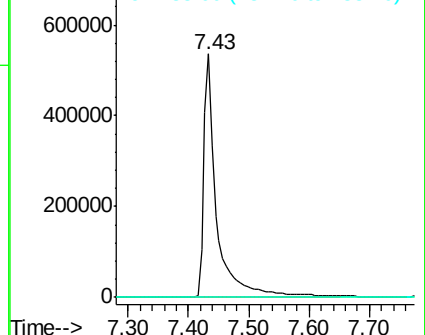
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.957 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.06 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

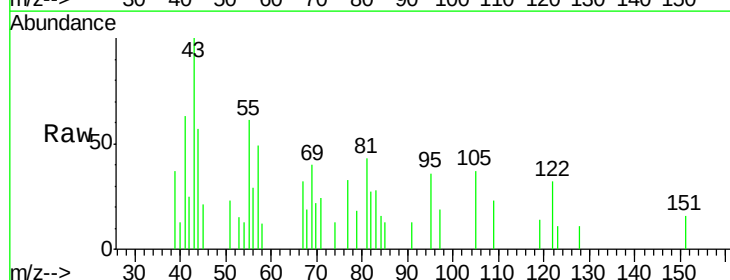
Tgt Ion: 122 Resp: 295

Ion Ratio Lower Upper

122 100

105 113.9 101.1 141.1

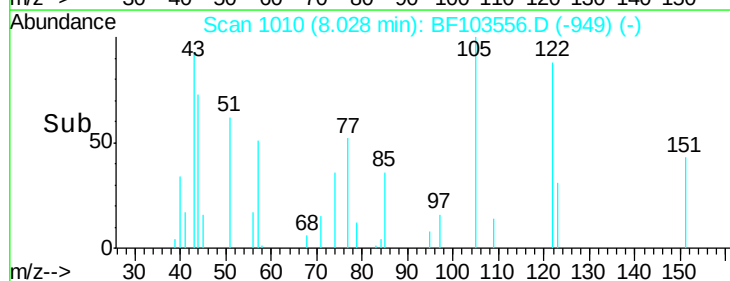
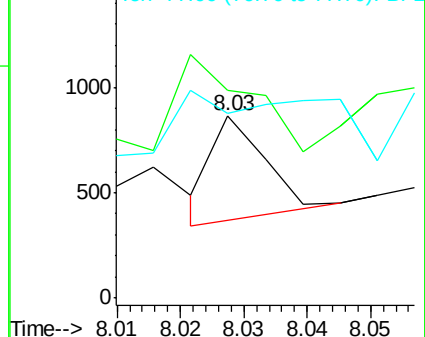
77 101.4 70.7 110.7

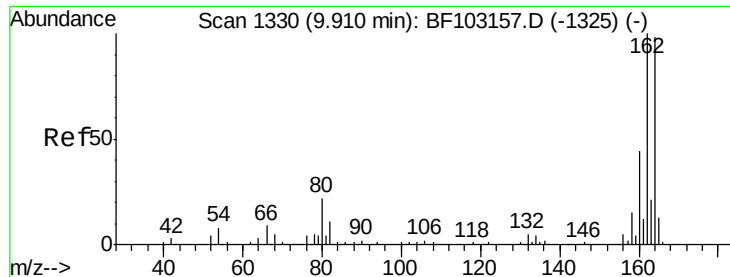


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

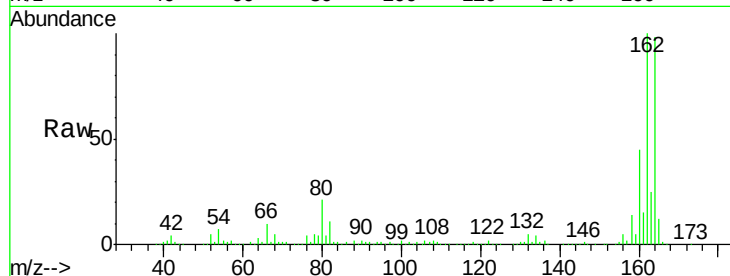




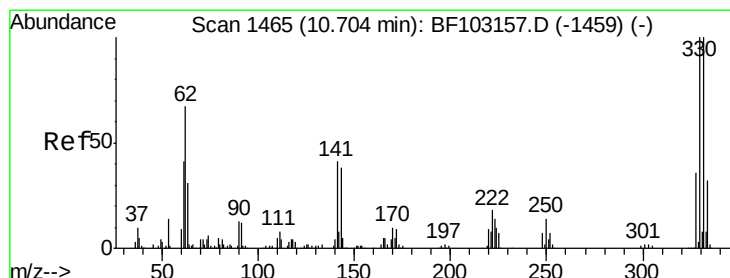
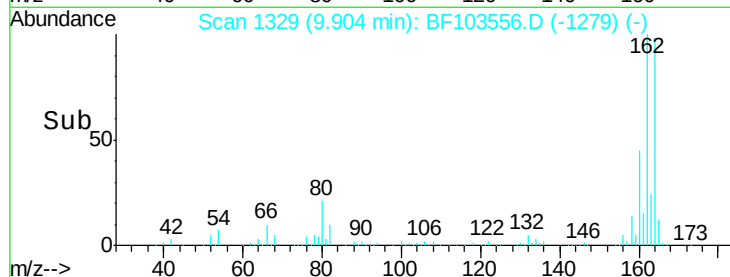
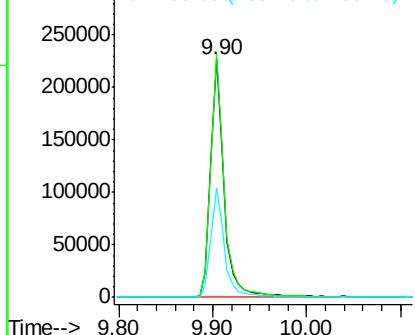
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 236043
Ion Ratio Lower Upper
164 100
162 102.1 86.1 129.1
160 45.7 38.3 57.5

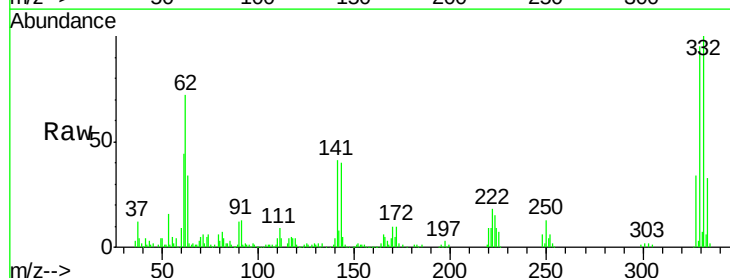


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

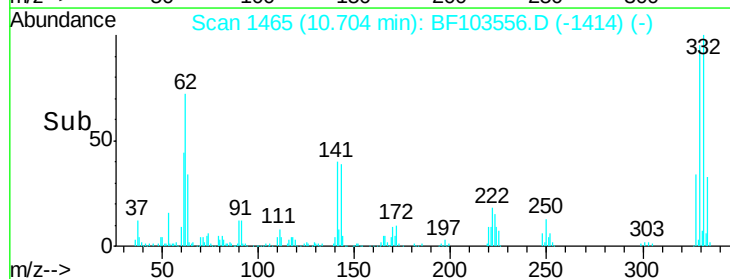
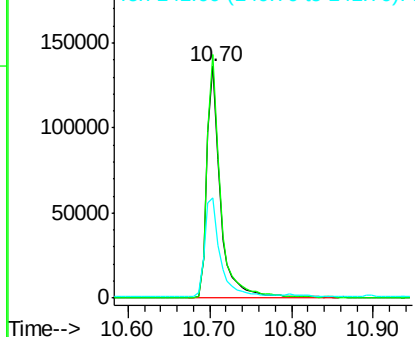


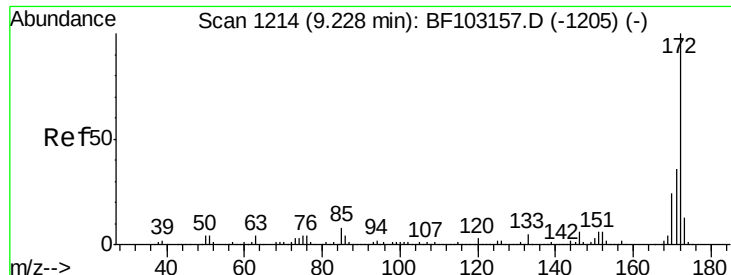
#41
2,4,6-Tribromophenol
Concen: 80.159 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Tgt Ion:330 Resp: 160155
Ion Ratio Lower Upper
330 100
332 103.3 77.0 115.6
141 49.4 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

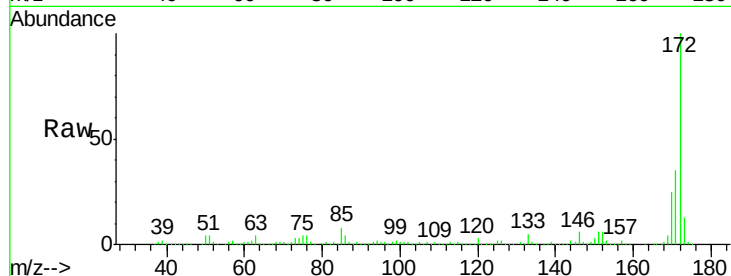




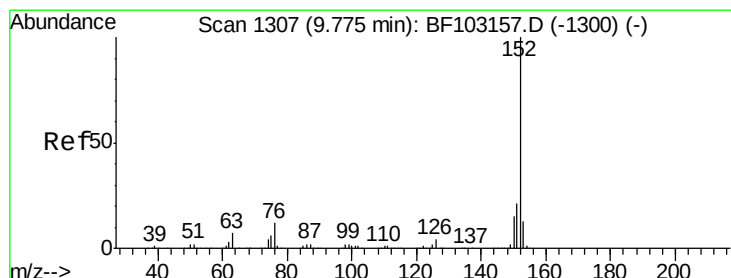
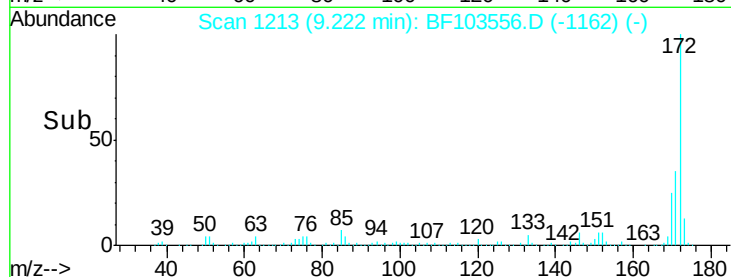
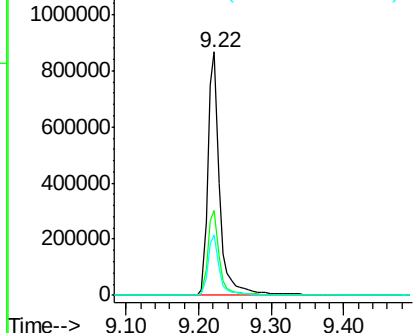
#44
2-Fluorobiphenyl
Concen: 68.591 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 984649
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 25.1 19.6 29.4

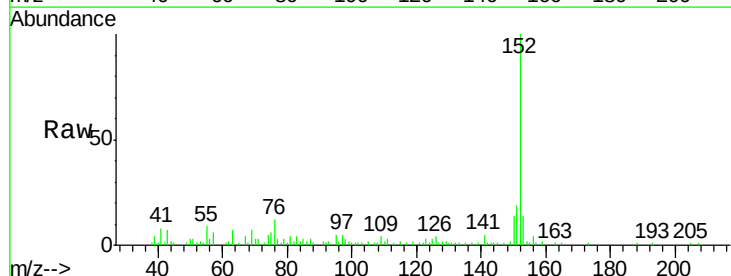


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

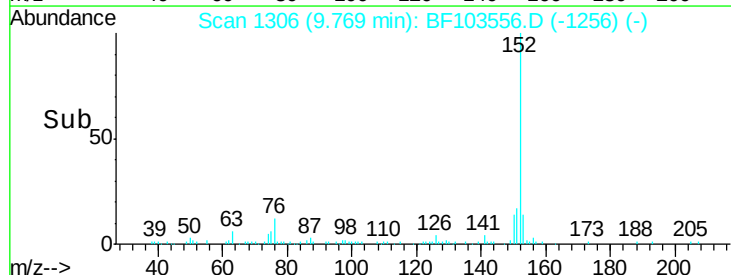
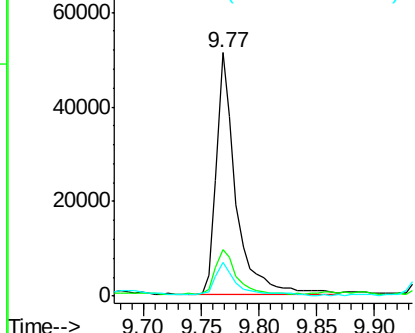


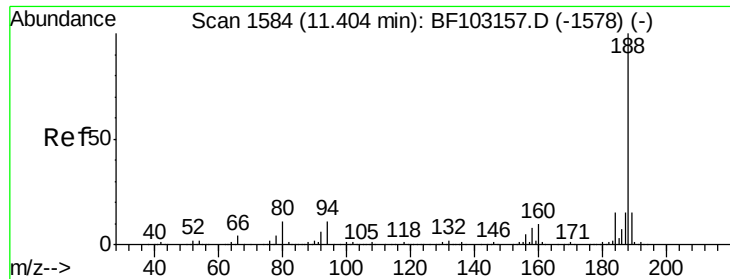
#48
Acenaphthylene
Concen: 2.495 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Tgt Ion:152 Resp: 60059
Ion Ratio Lower Upper
152 100
151 19.1 16.3 24.5
153 13.6 10.7 16.1



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

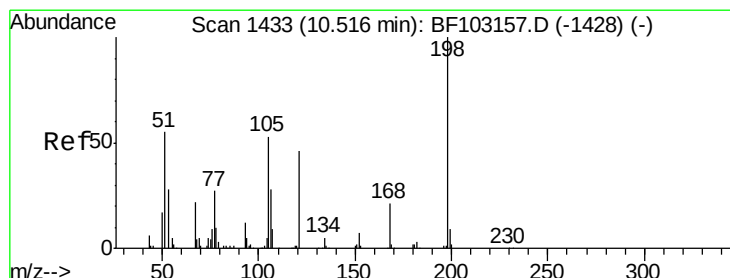
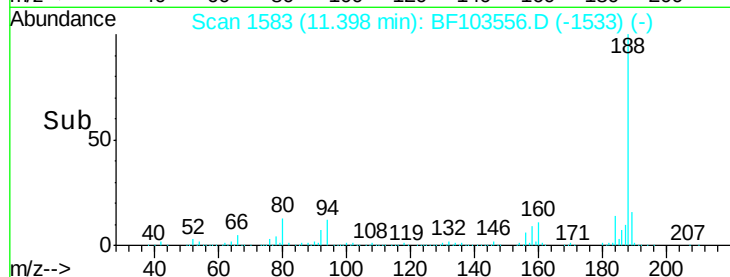
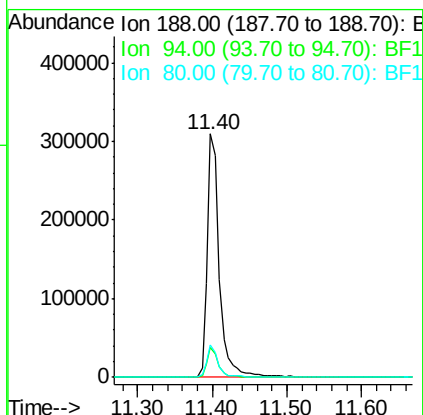
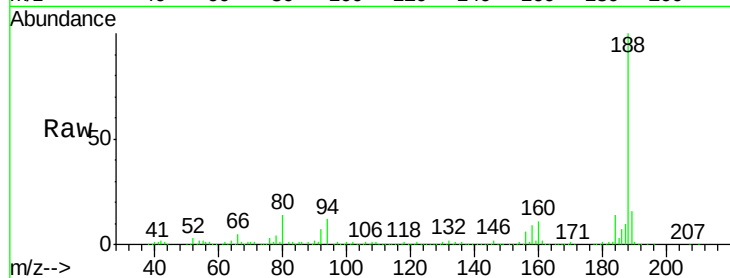




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

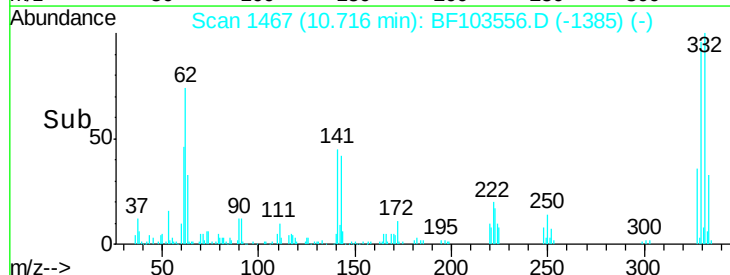
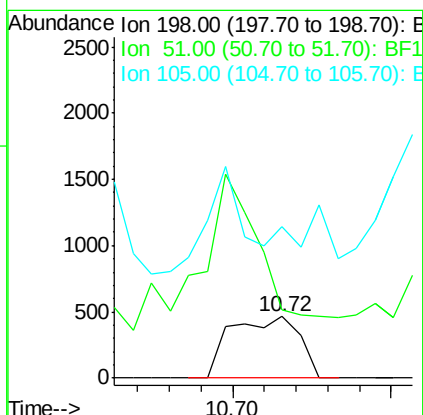
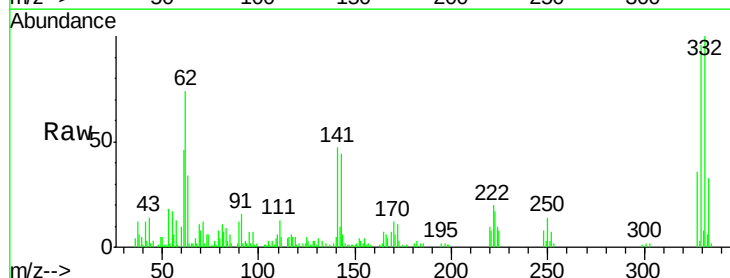
Instrument :
BNA_F
ClientSampleId :

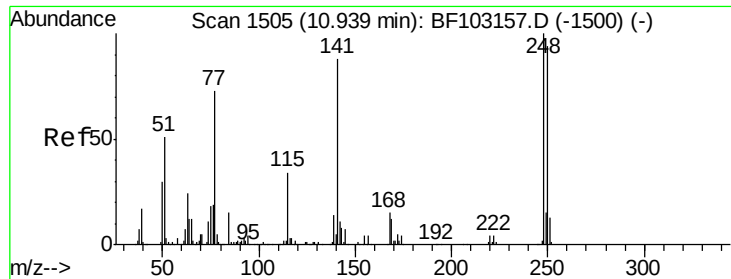
Tot Ion:188 Resp: 351209
Ion Ratio Lower Upper
188 100
94 12.1 8.5 12.7
80 13.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.237 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.18 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Tgt Ion:198 Resp: 695
Ion Ratio Lower Upper
198 100
51 109.7 37.7 77.7#
105 244.4 36.3 76.3#

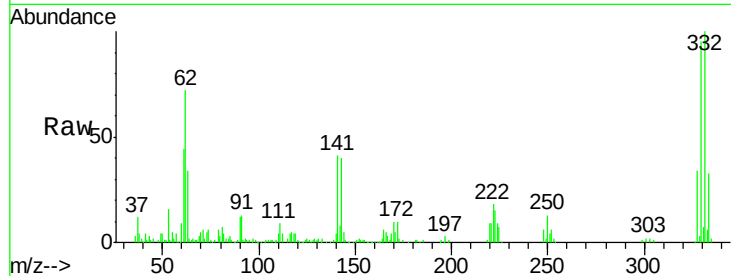




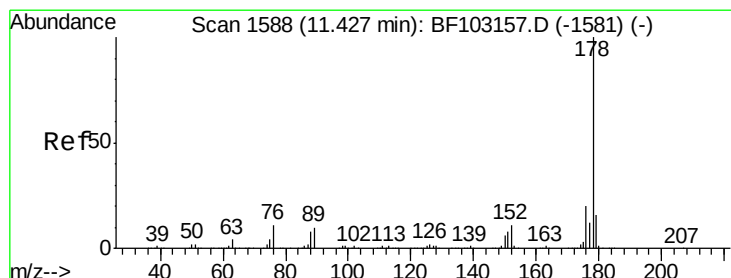
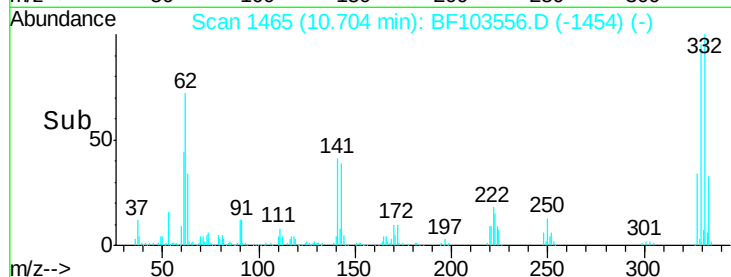
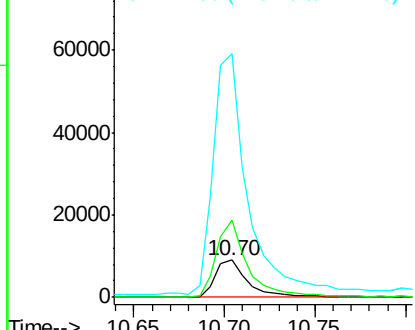
#66
 4-Bromophenyl-phenylether
 Concen: 3.105 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF103556.D
 Acq: 9 Mar 2018 14:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11358
 Ion Ratio Lower Upper
 248 100
 250 206.1 76.9 115.3#
 141 654.5 74.4 111.6#

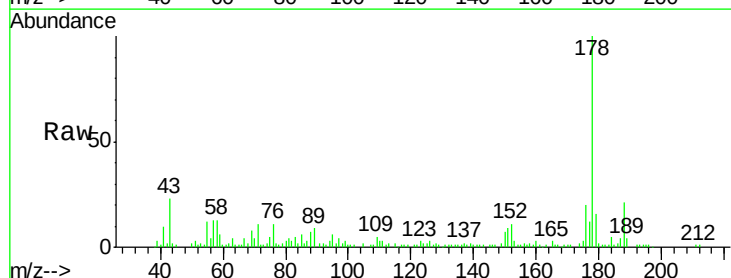


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

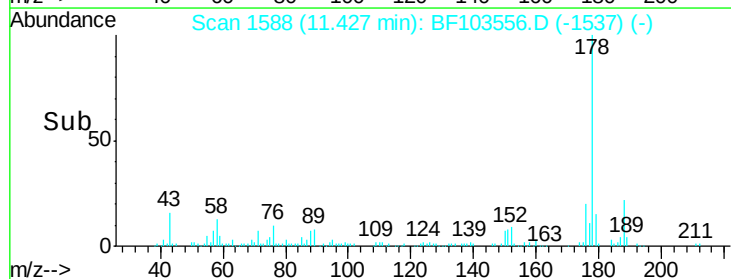
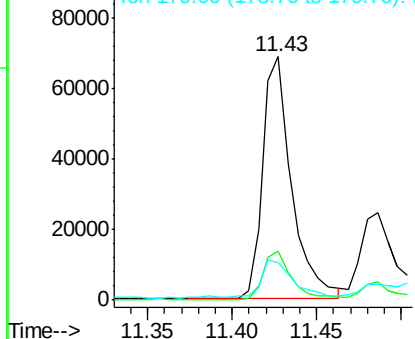


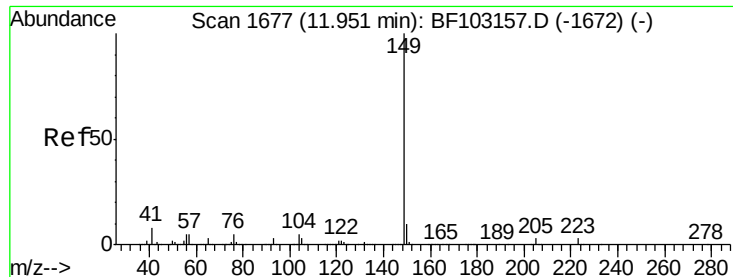
#70
 Phenanthrene
 Concen: 4.258 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: BF103556.D
 Acq: 9 Mar 2018 14:52

Tgt Ion:178 Resp: 82302
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.6 13.0 19.6



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

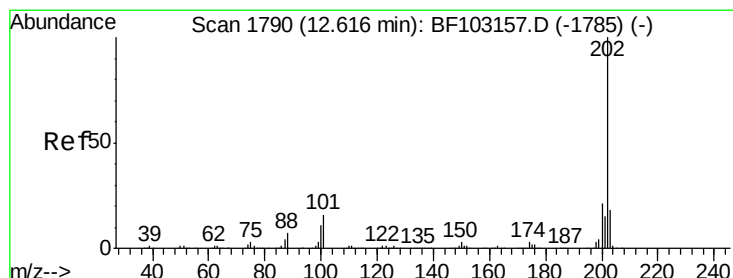
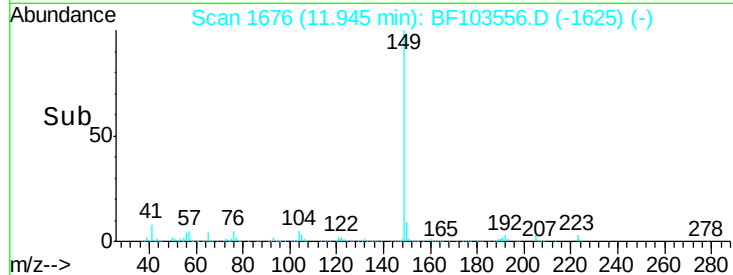
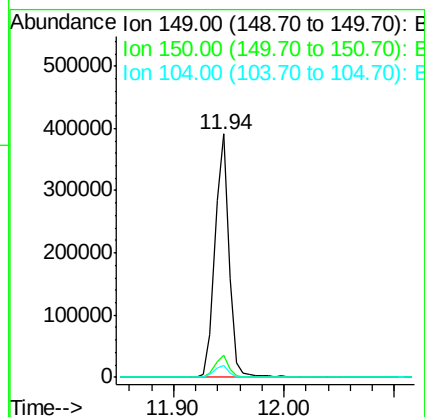
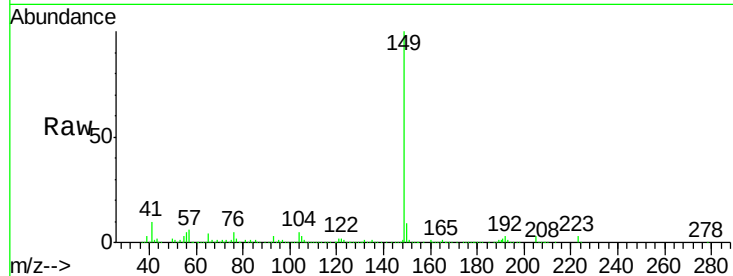




#73
Di-n-butylphthalate
Concen: 13.597 ng
RT: 11.94 min Scan# 1676
Delta R.T. 0.00 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

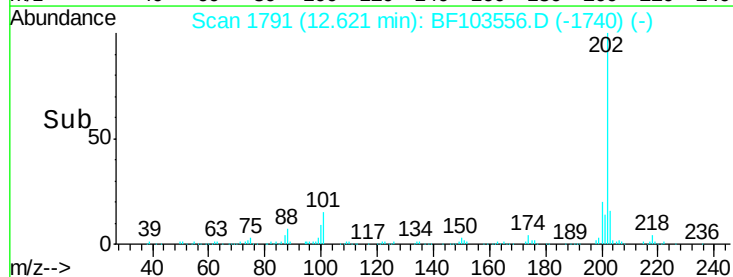
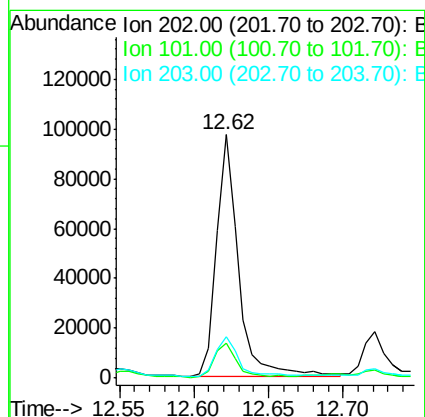
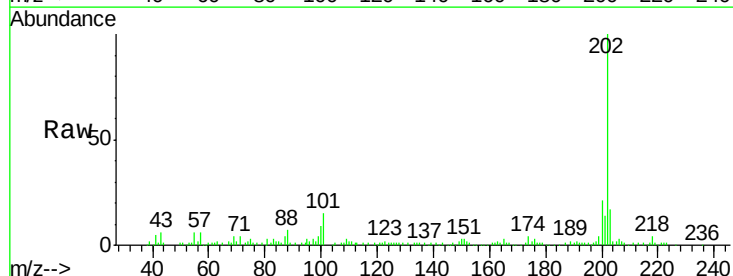
Instrument :
BNA_F
ClientSampled :

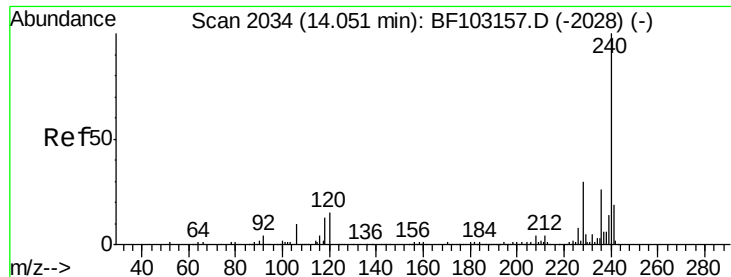
Tot Ion:149 Resp: 335799
Ion Ratio Lower Upper
149 100
150 9.2 7.8 11.6
104 4.8 3.8 5.8



#74
Fluoranthene
Concen: 5.152 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Tgt Ion:202 Resp: 100065
Ion Ratio Lower Upper
202 100
101 14.5 0.0 34.1
203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

Instrument :

BNA_F

ClientSampleId :

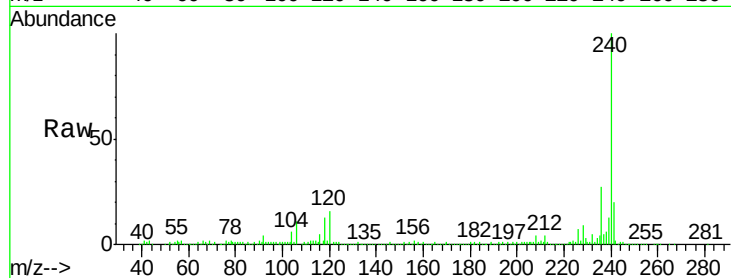
Tot Ion:240 Resp: 227564

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

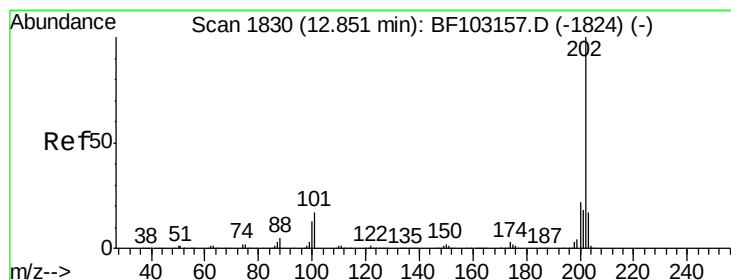
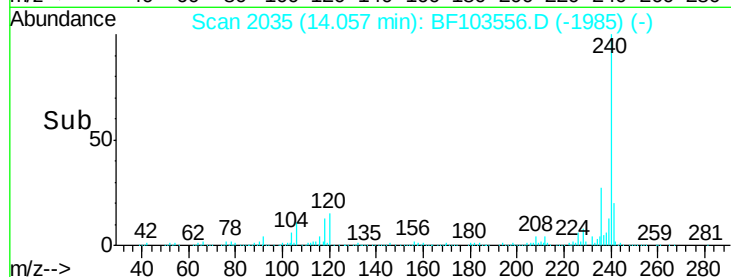
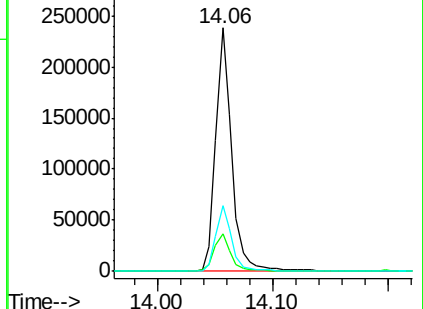
236 27.1 20.7 31.1



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

Pyrene

Concen: 8.267 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

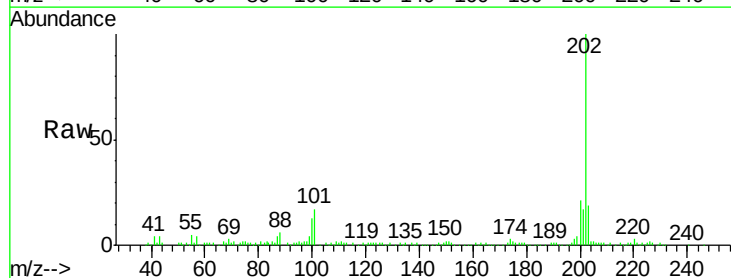
Tgt Ion:202 Resp: 146674

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

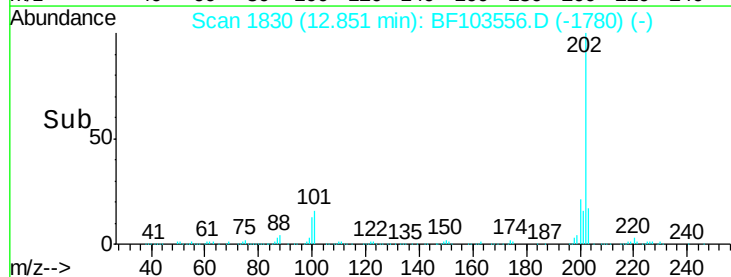
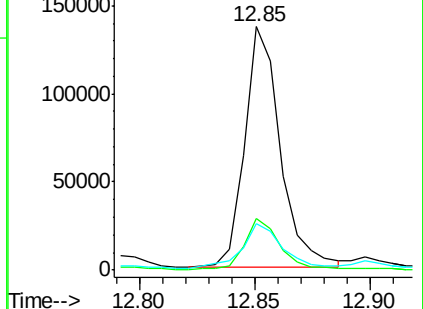
203 18.9 14.3 21.5

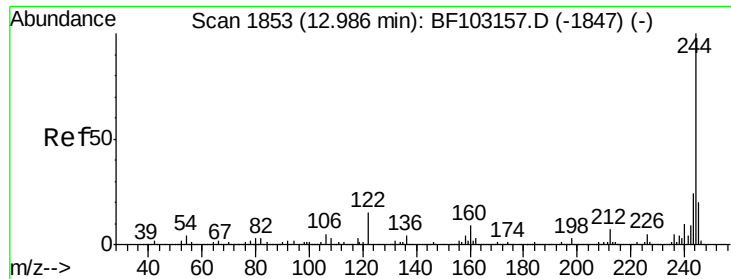


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.151 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

Instrument :

BNA_F

ClientSampleId :

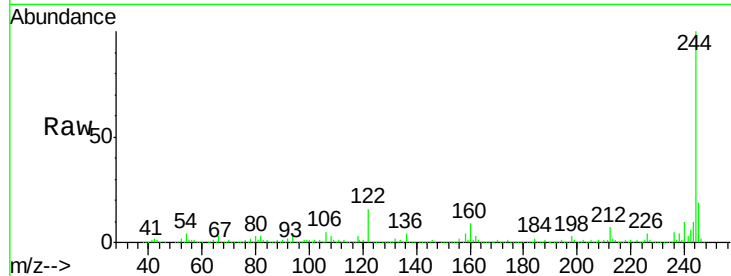
Tot Ion:244 Resp: 616754

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

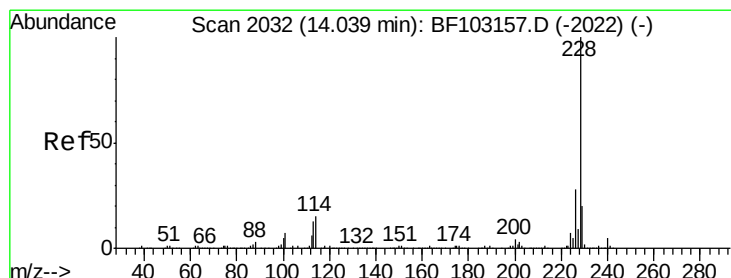
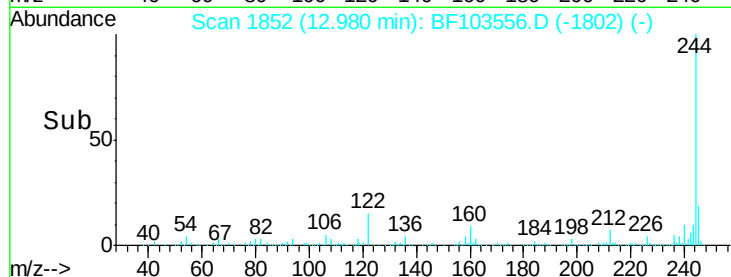
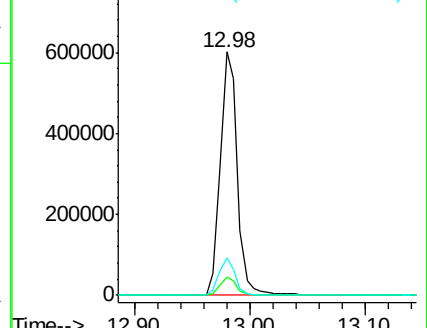
122 15.5 11.0 16.4



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: 4.171 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.04 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

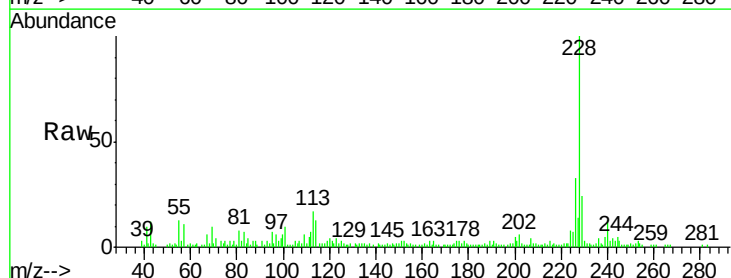
Tgt Ion:228 Resp: 61592

Ion Ratio Lower Upper

228 100

226 33.2 22.6 33.8

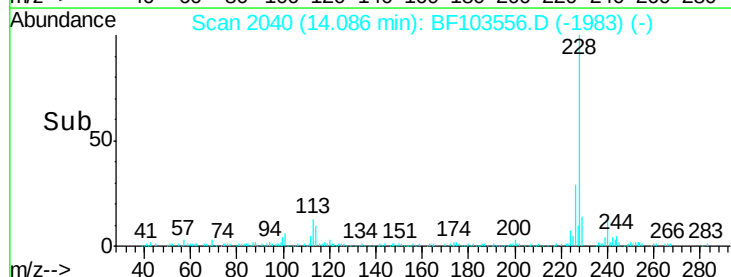
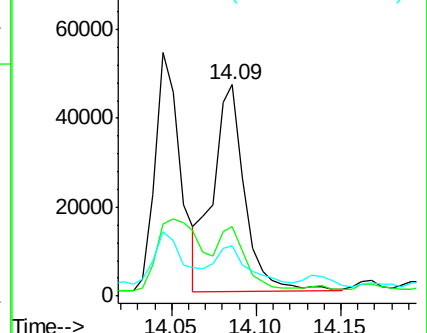
229 23.5 15.8 23.6

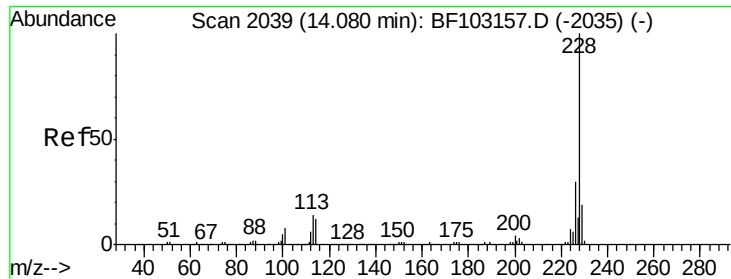


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

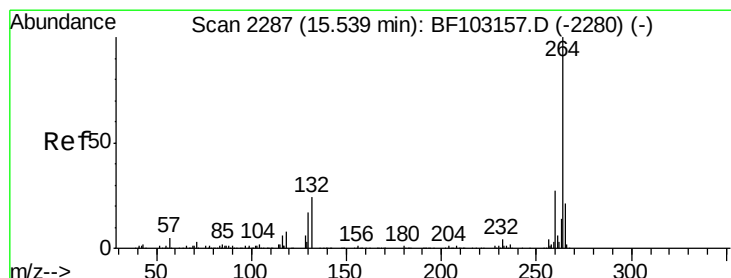
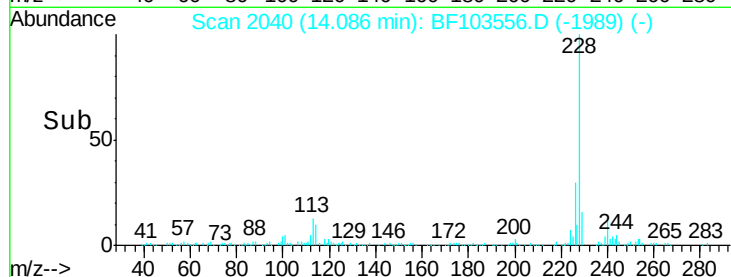
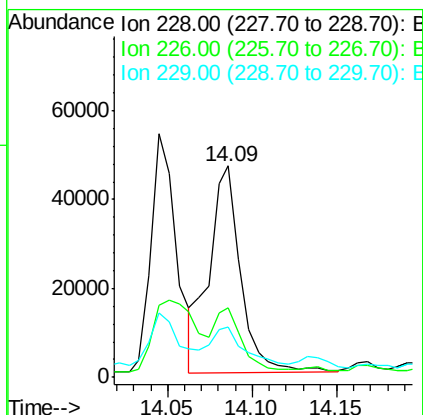
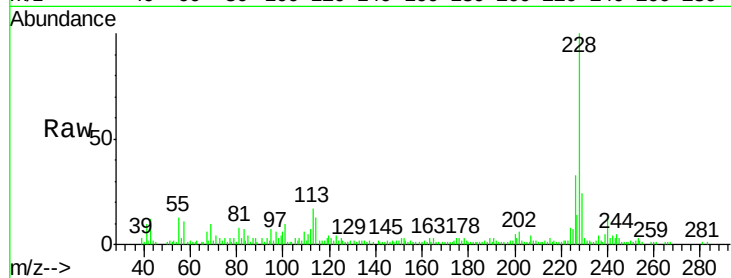




#82
Chrysene
Concen: 4.296 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

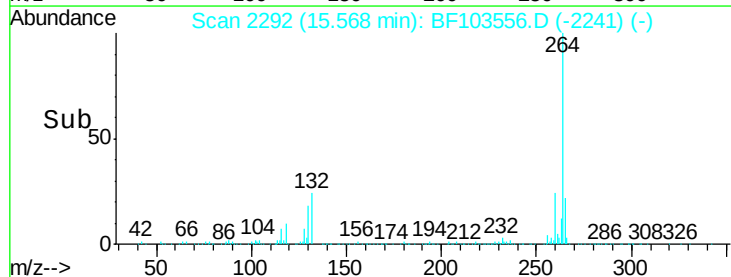
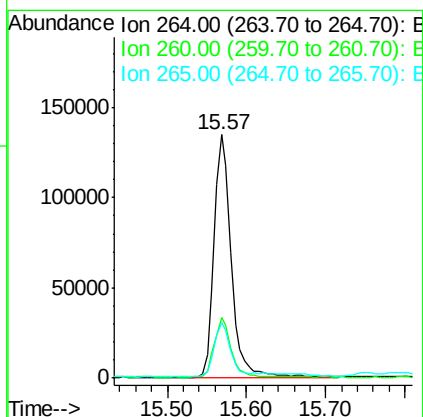
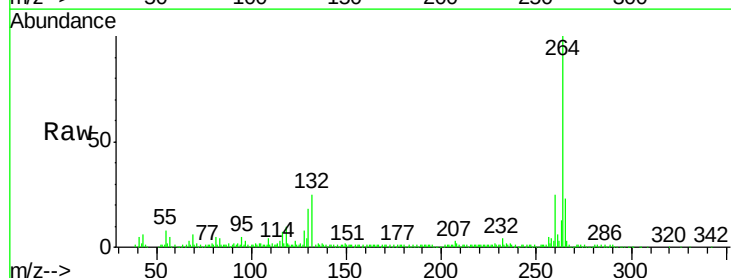
Instrument :
BNA_F
ClientSampled :

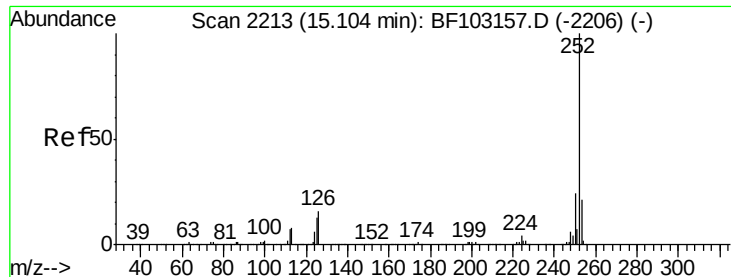
Tot Ion:228 Resp: 61592
Ion Ratio Lower Upper
228 100
226 33.2 25.0 37.6
229 23.5 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Tgt Ion:264 Resp: 201981
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 22.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.489 ng

RT: 15.13 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

Instrument :

BNA_F

ClientSampleId :

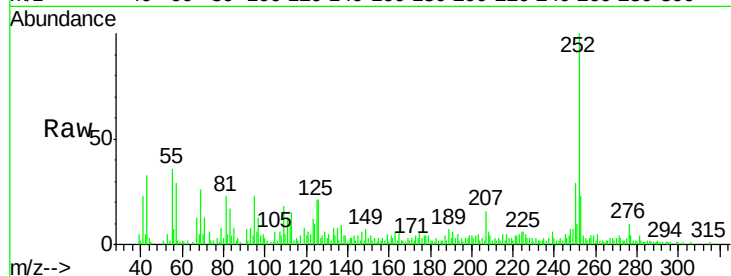
Tot Ion:252 Resp: 59619

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

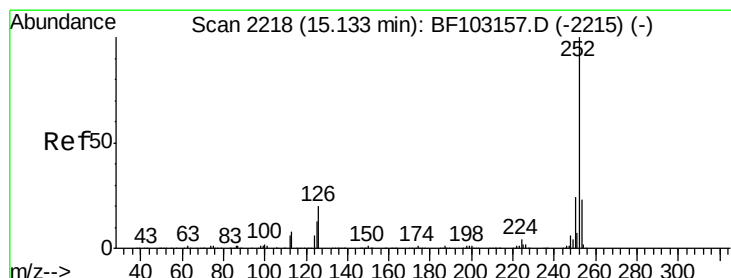
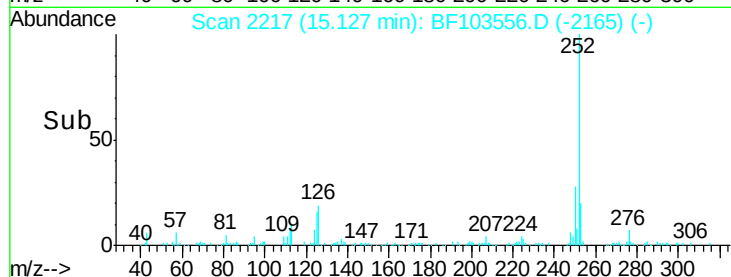
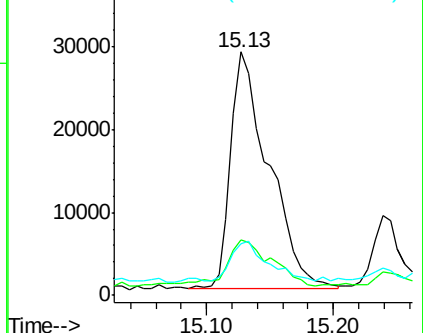
125 21.2 9.0 13.6#



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: 4.767 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BF103556.D

Acq: 9 Mar 2018 14:52

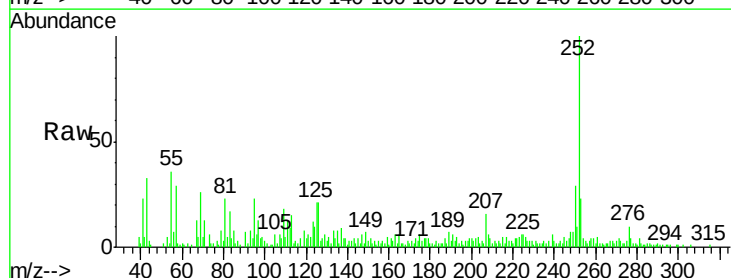
Tgt Ion:252 Resp: 59619

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

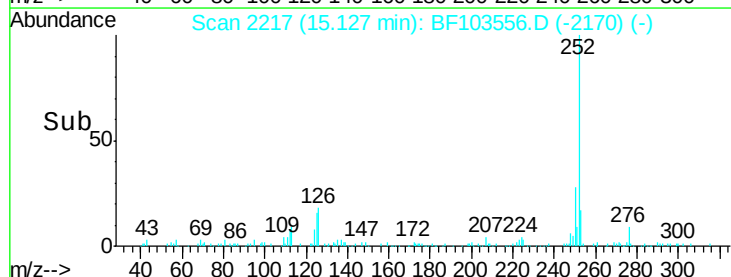
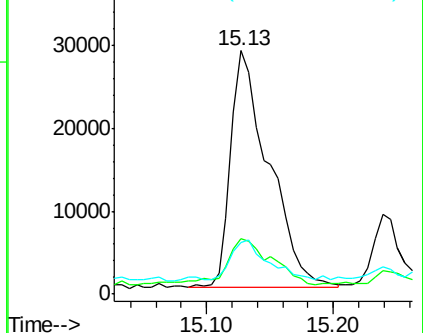
125 21.2 10.2 15.2#

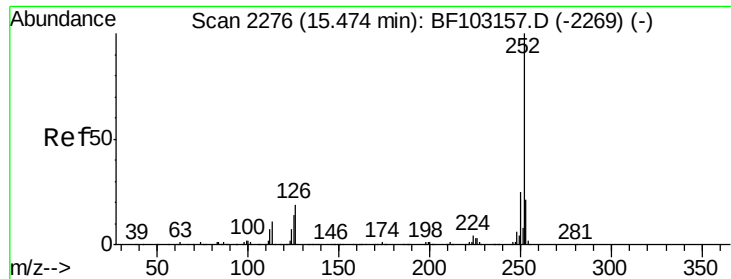


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

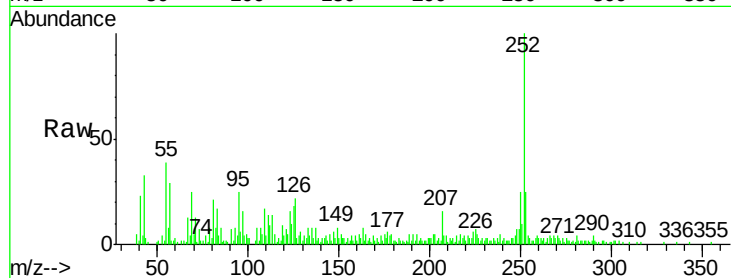




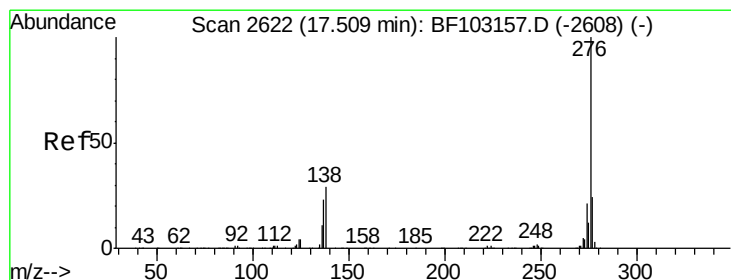
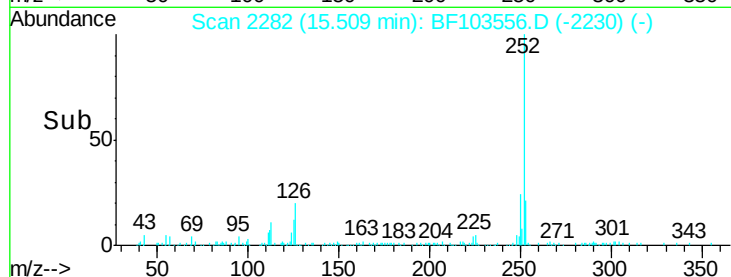
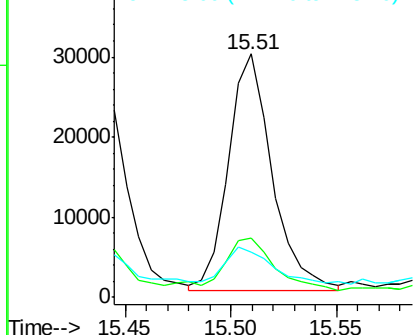
#89
Benzo(a)pyrene
Concen: 3.588 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 42548
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 18.5 9.8 14.6#

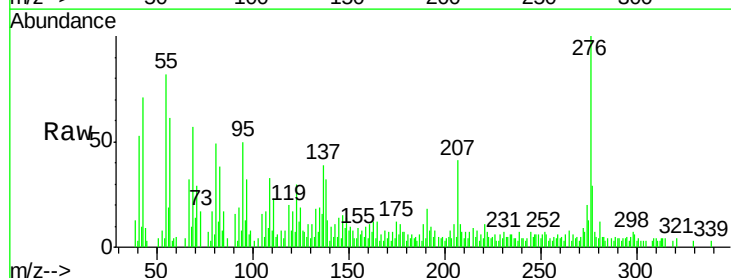


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.923 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.01 min
Lab File: BF103556.D
Acq: 9 Mar 2018 14:52

Tgt Ion:276 Resp: 26176
Ion Ratio Lower Upper
276 100
277 29.2 17.9 26.9#
138 32.0 21.8 32.8



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

