

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030918\
 Data File : BF103569.D
 Acq On : 9 Mar 2018 20:40
 Operator : SJ/JU
 Sample : J1821-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 22:02:45 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	148126	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	624302	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	241499	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	331516	20.00	ng	0.00
75) Chrysene-d12	14.06	240	244250	20.00	ng	0.00
86) Perylene-d12	15.57	264	205043	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	55543	5.67	ng	0.05
7) Phenol-d6	6.52	99	258328	21.56	ng	0.01
23) Nitrobenzene-d5	7.43	82	454414	41.57	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	5639	2.76	ng	0.01
44) 2-Fluorobiphenyl	9.22	172	696958	43.93	ng	0.00
78) Terphenyl-d14	12.99	244	526845	51.85	ng	0.00

Target Compounds

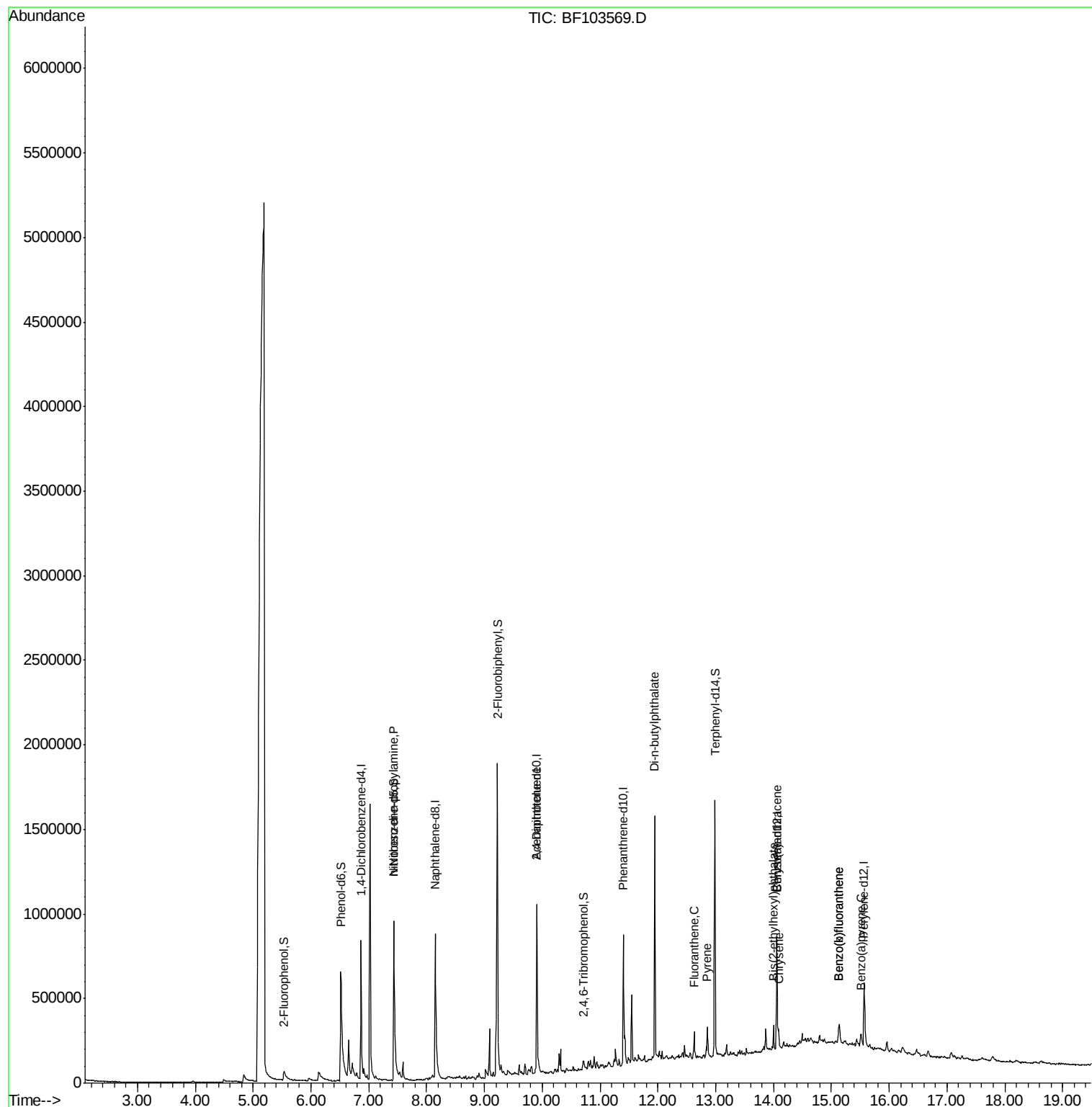
						Qvalue
9) Benzaldehyde	6.47	77	3308	Below Cal		86
19) n-Nitroso-di-n-propylamine	7.43	70	62390	8.365 ng	#	86
56) 2,4-Dinitrotoluene	9.90	165	29021	5.644 ng	#	24
73) Di-n-butylphthalate	11.94	149	698728	29.973 ng		99
74) Fluoranthene	12.63	202	73690	4.019 ng		99
77) Pyrene	12.86	202	74038	3.888 ng		98
80) Benzo(a)anthracene	14.05	228	43572	2.749 ng		96
82) Chrysene	14.09	228	34193	2.222 ng		96
83) Bis(2-ethylhexyl)phthalate	14.00	149	38869	2.863 ng	#	99
87) Benzo(b)fluoranthene	15.13	252	59155	4.388 ng	#	87
88) Benzo(k)fluoranthene	15.13	252	59155	4.660 ng	#	90
89) Benzo(a)pyrene	15.51	252	33023	2.743 ng	#	86

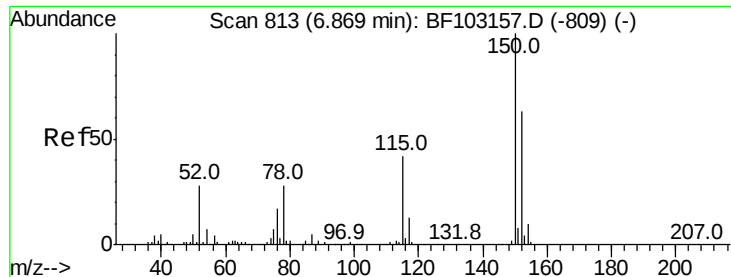
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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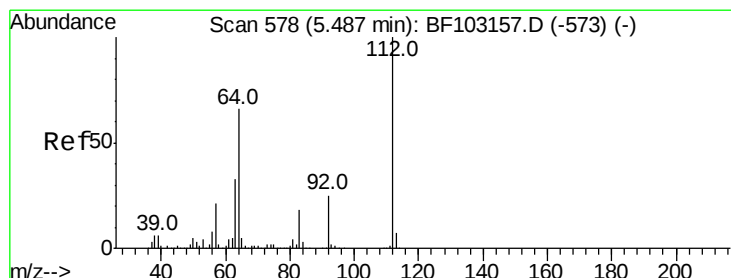
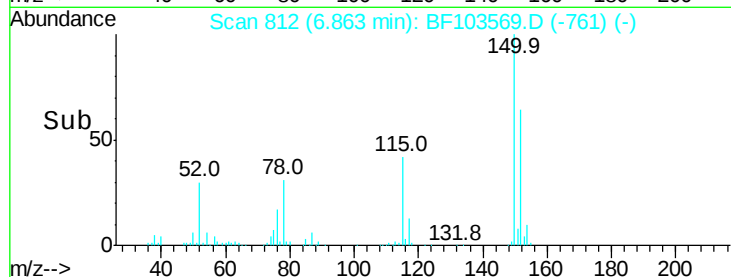
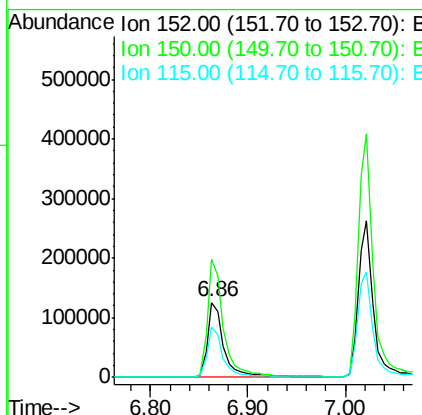
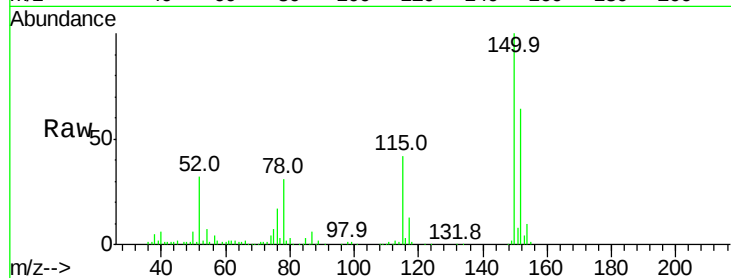


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103569.D
Acq: 9 Mar 2018 20:40

Instrument :
BNA_F
ClientSampleId :

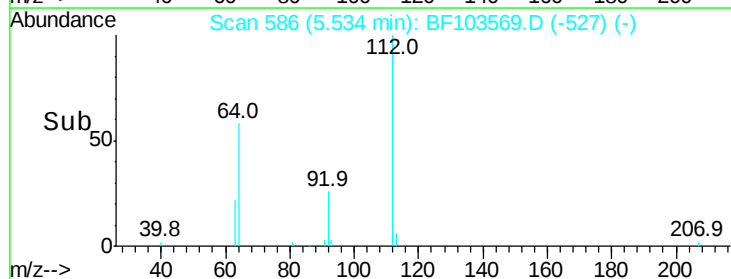
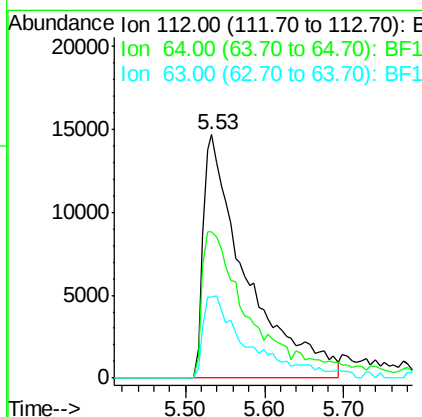
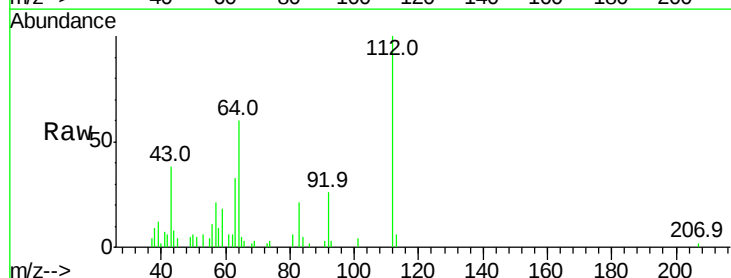
Tot Ion:152 Resp: 148126
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 66.7 50.1 75.1

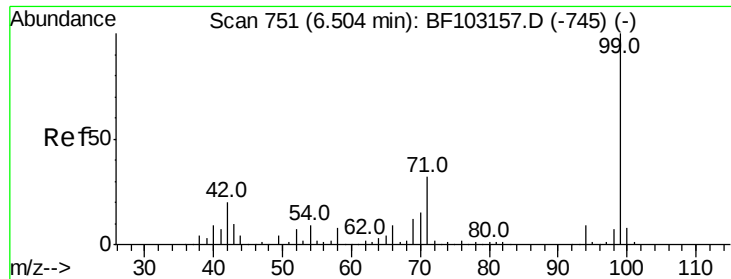


#5

2-Fluorophenol
Concen: 5.671 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.05 min
Lab File: BF103569.D
Acq: 9 Mar 2018 20:40

Tgt Ion:112 Resp: 55543
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 33.2 23.7 35.5





#7

Phenol-d6

Concen: 21.555 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

Instrument :

BNA_F

ClientSampled :

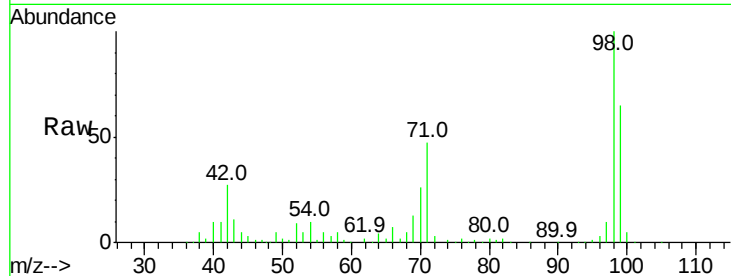
Tot Ion: 99 Resp: 258328

Ion Ratio Lower Upper

99 100

42 40.7 14.5 21.7#

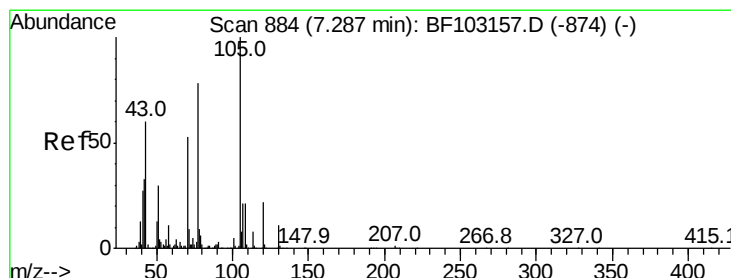
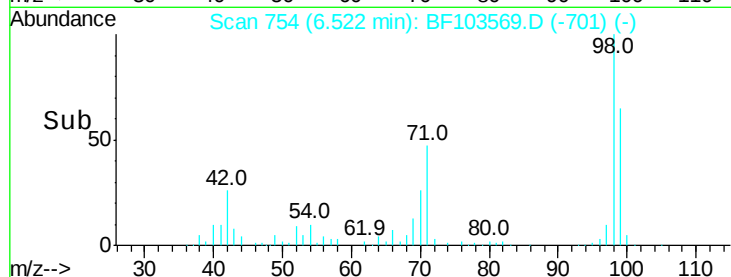
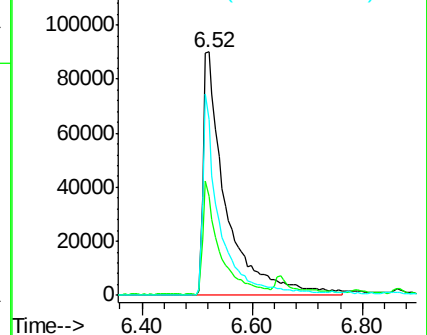
71 72.2 25.4 38.0#



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: 8.365 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

Tgt Ion: 70 Resp: 62390

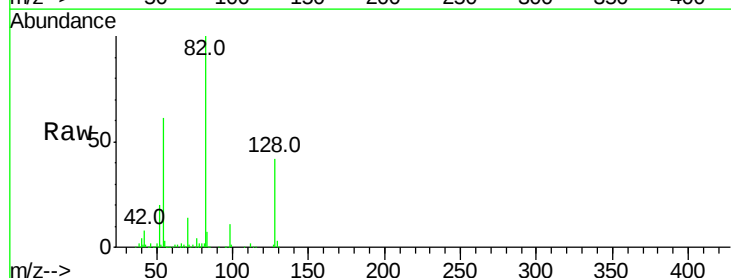
Ion Ratio Lower Upper

70 100

42 56.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

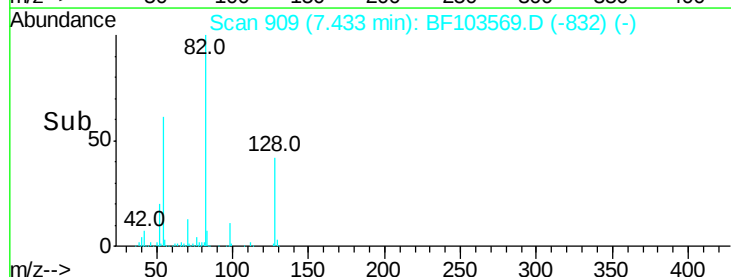
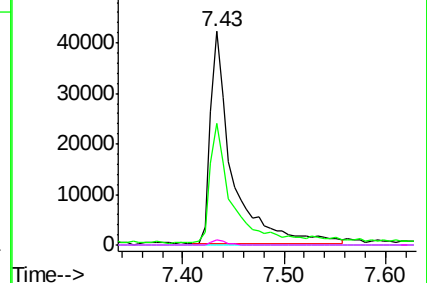


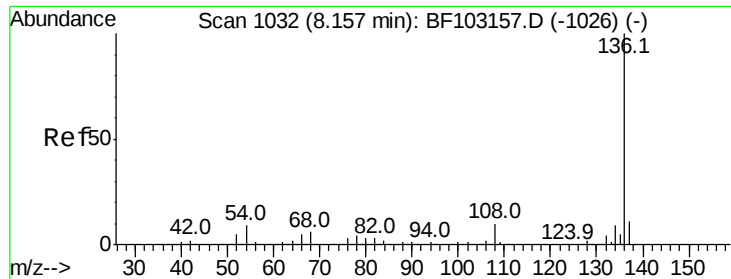
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

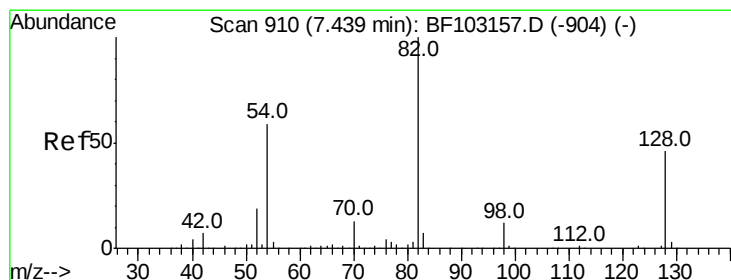
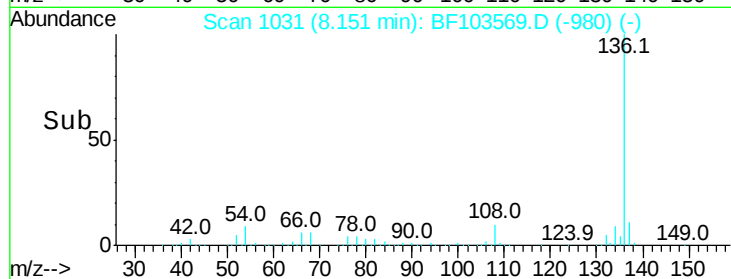
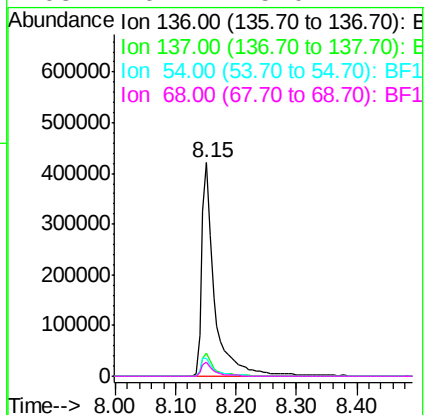
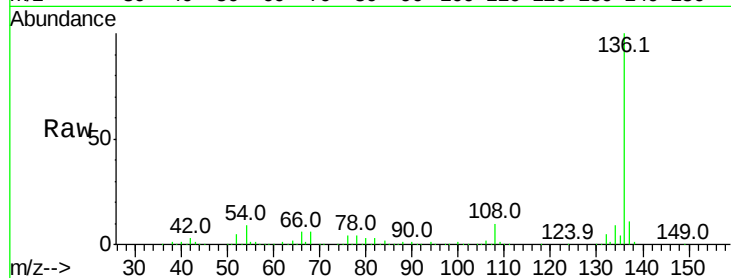




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF103569.D
Acq: 9 Mar 2018 20:40

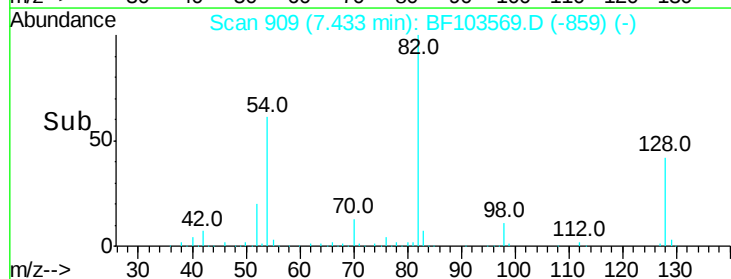
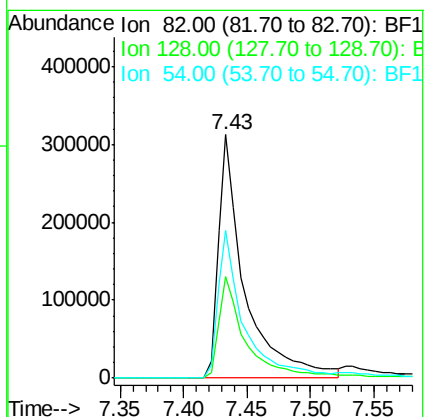
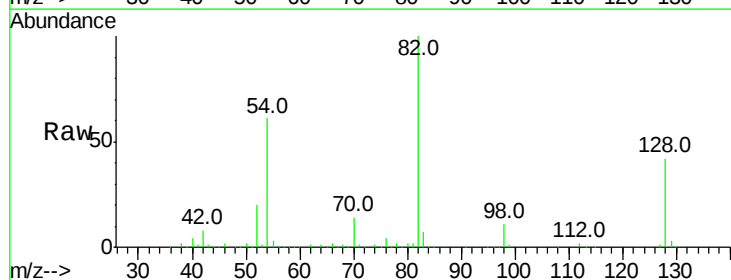
Instrument :
BNA_F
ClientSampleId :

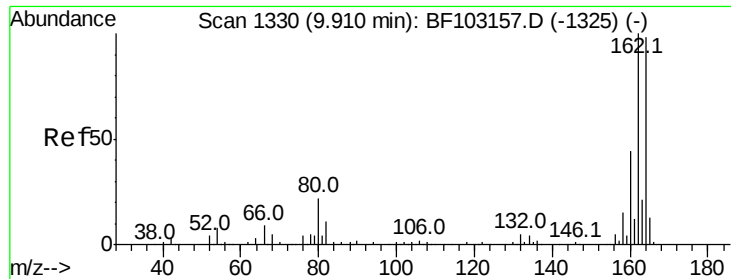
Tot Ion:136	Resp:	624302	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.9	13.3	
54 8.7	6.6	9.8	
68 6.4	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 41.568 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103569.D
Acq: 9 Mar 2018 20:40

Tgt Ion: 82	Resp: 454414
Ion Ratio	Lower Upper
82 100	
128 41.5	36.1 54.1
54 60.7	41.4 62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

Instrument :

BNA_F

ClientSampleId :

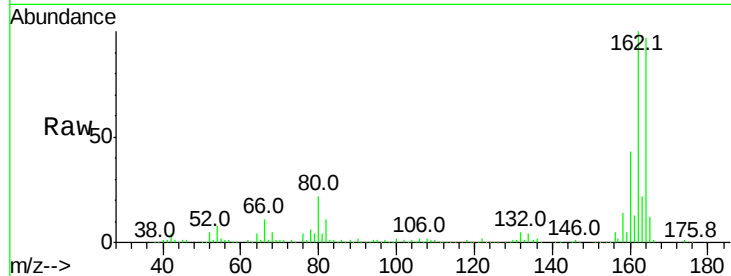
Tot Ion:164 Resp: 241499

Ion Ratio Lower Upper

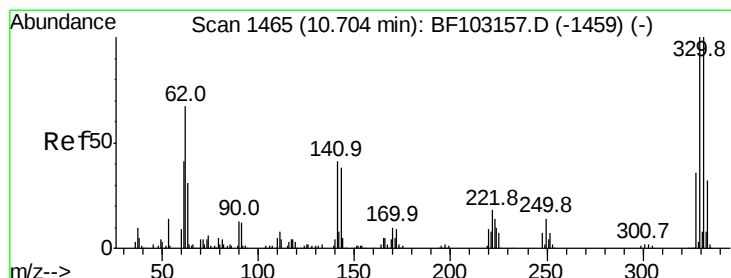
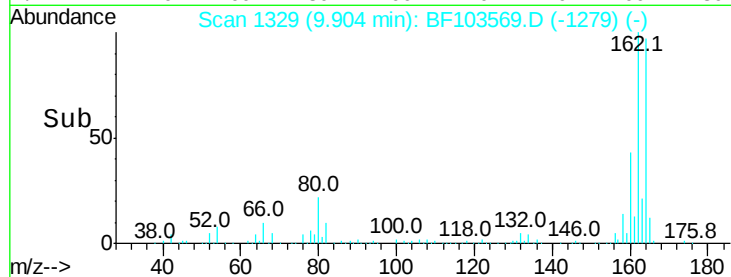
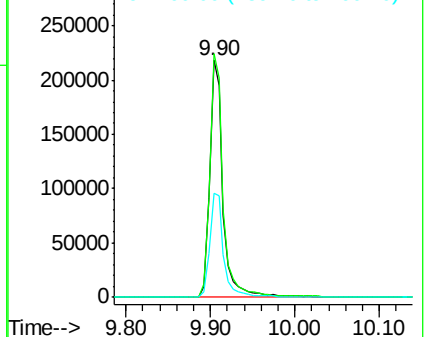
164 100

162 102.8 86.1 129.1

160 44.1 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: 2.759 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

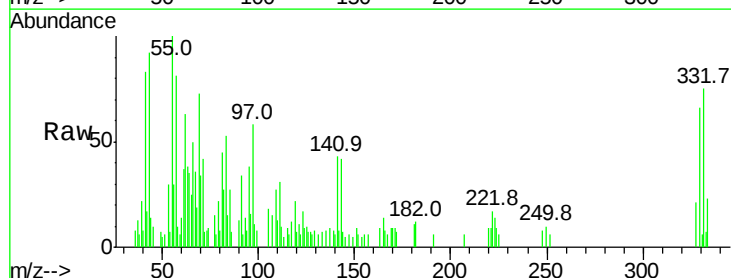
Tgt Ion:330 Resp: 5639

Ion Ratio Lower Upper

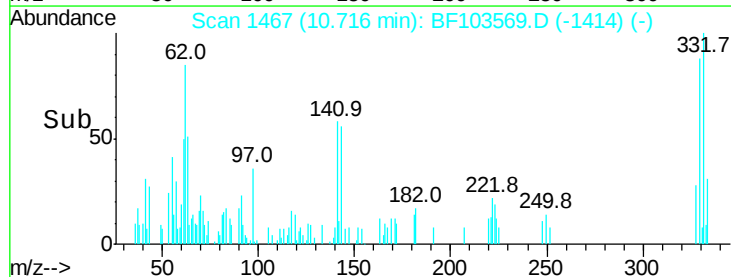
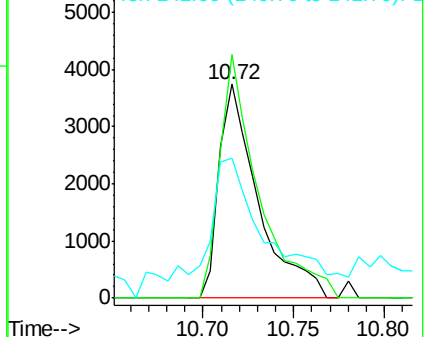
330 100

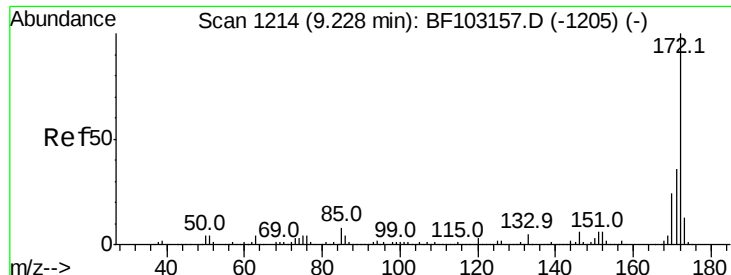
332 113.1 77.0 115.6

141 71.4 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



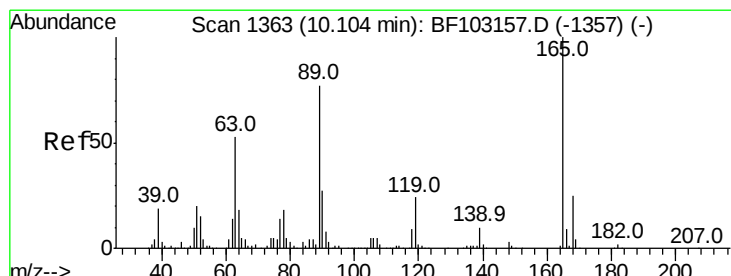
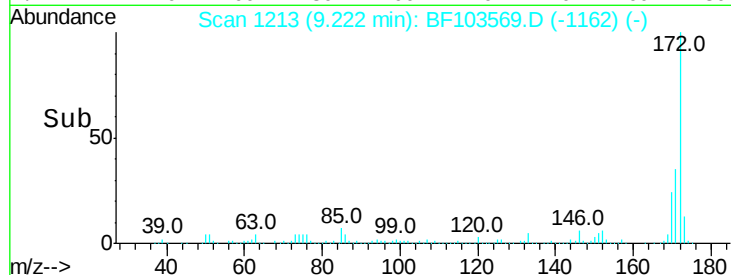
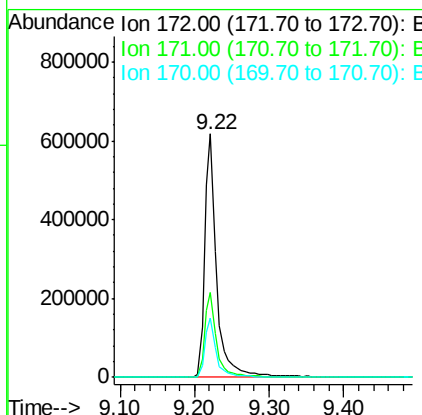
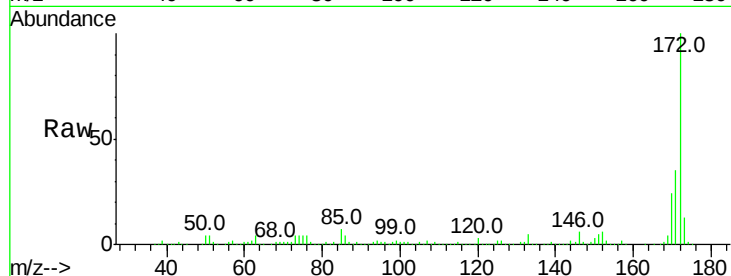


#44
 2-Fluorobiphenyl
 Concen: 43.933 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103569.D
 Acq: 9 Mar 2018 20:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 696958

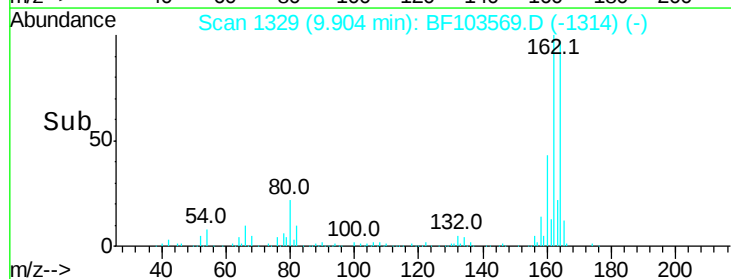
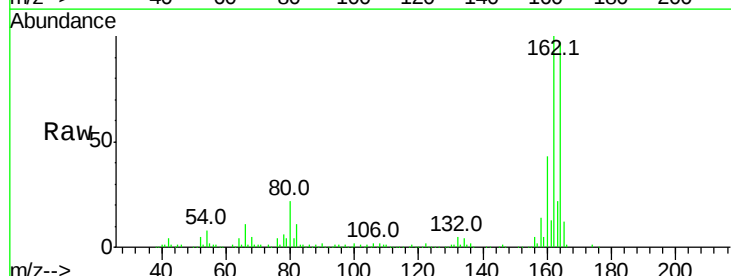
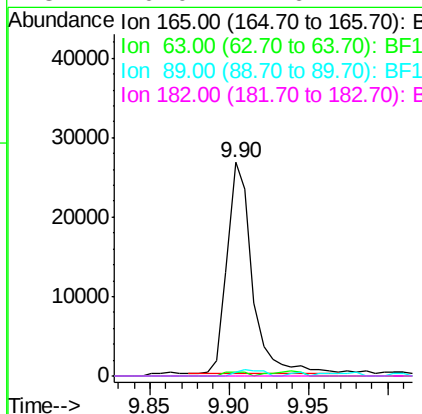
Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	24.1	19.6	29.4

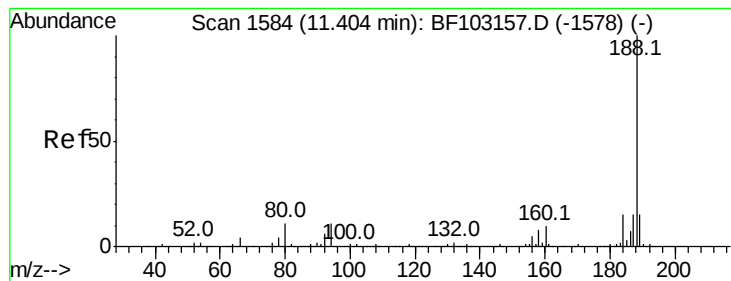


#56
 2,4-Dinitrotoluene
 Concen: 5.644 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF103569.D
 Acq: 9 Mar 2018 20:40

Tgt Ion:165 Resp: 29021

Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

Instrument :

BNA_F

ClientSampleId :

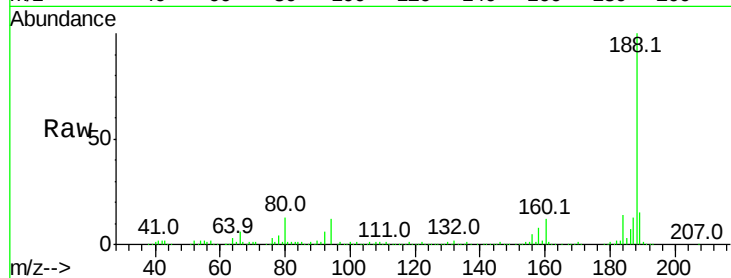
Tot Ion:188 Resp: 331516

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

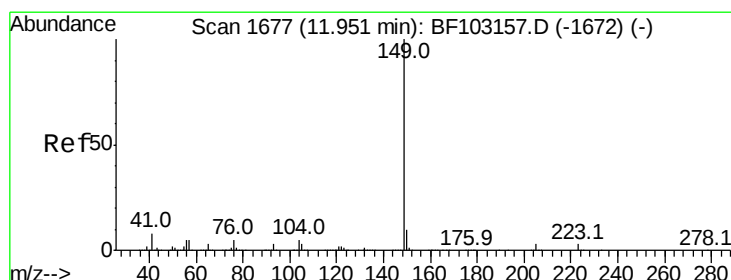
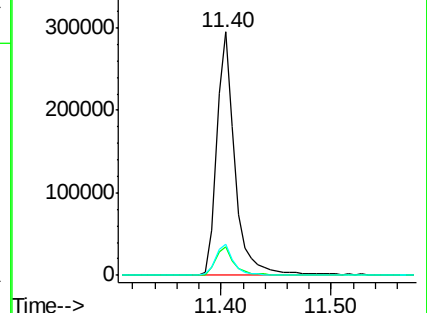
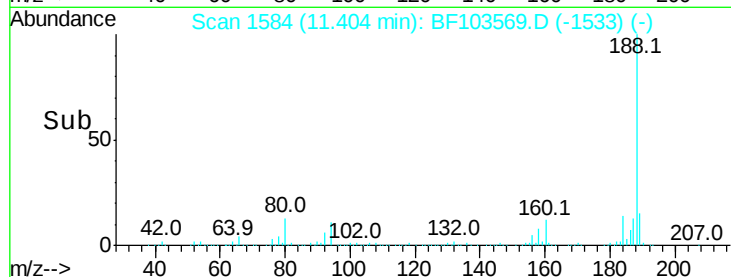
80 12.6 9.2 13.8



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



#73

Di-n-butylphthalate

Concen: 29.973 ng

RT: 11.94 min Scan# 1676

Delta R.T. 0.00 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

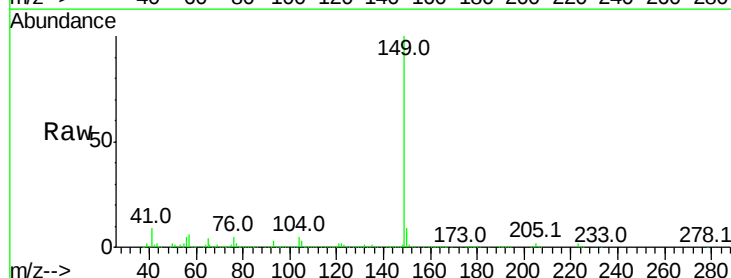
Tgt Ion:149 Resp: 698728

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

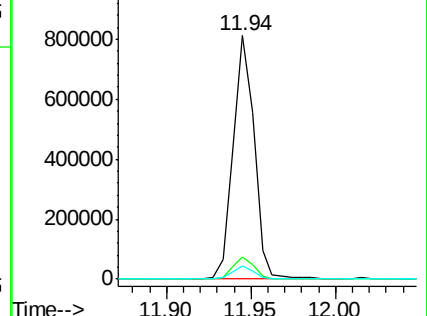
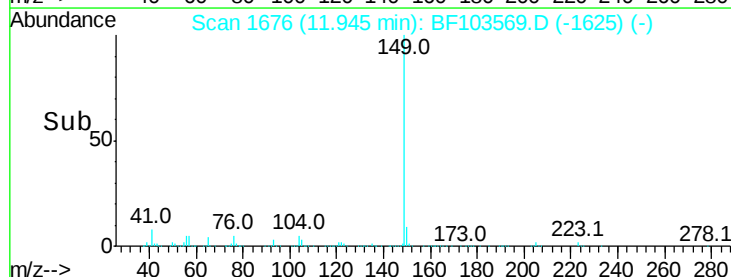
104 5.2 3.8 5.8

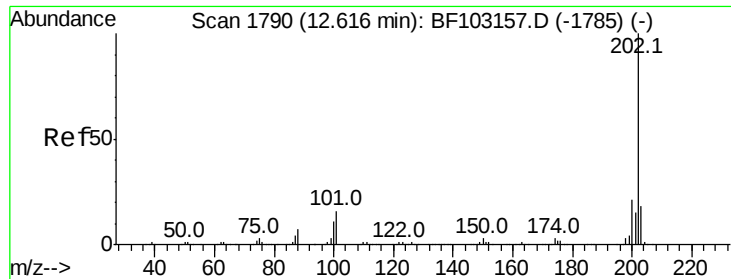


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 4.019 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

Instrument :

BNA_F

ClientSampleId :

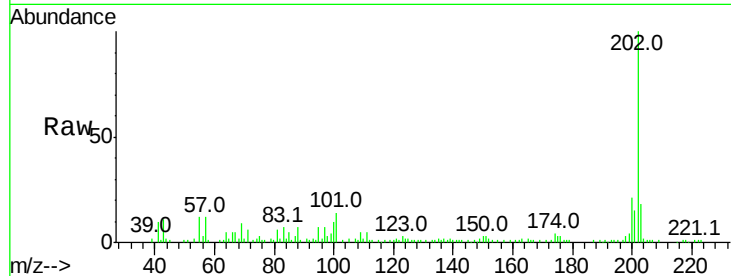
Tot Ion:202 Resp: 73690

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

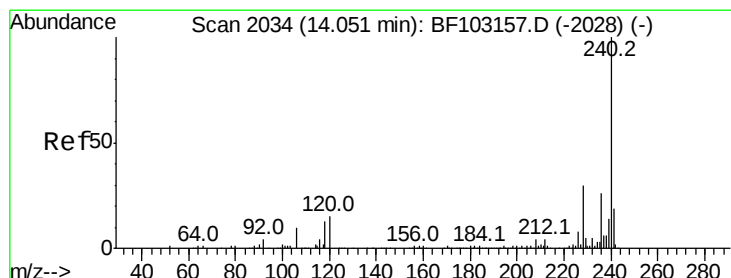
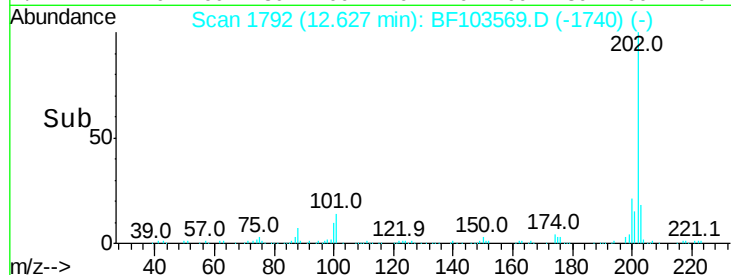
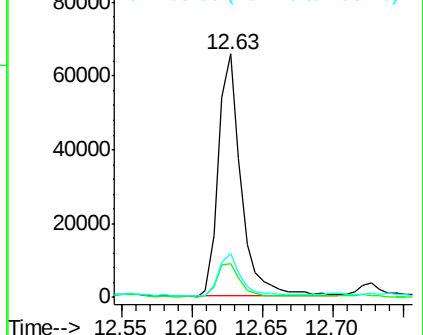
203 18.3 0.0 38.1



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: BF103569.D

Acq: 9 Mar 2018 20:40

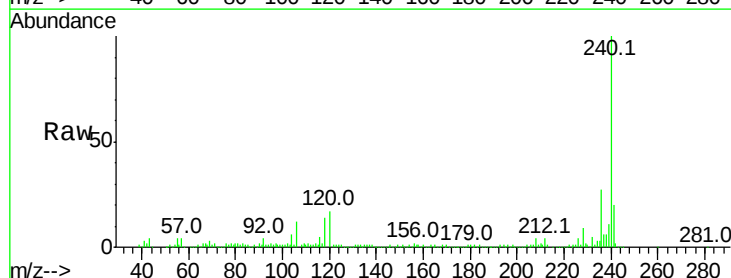
Tgt Ion:240 Resp: 244250

Ion Ratio Lower Upper

240 100

120 16.8 9.5 14.3#

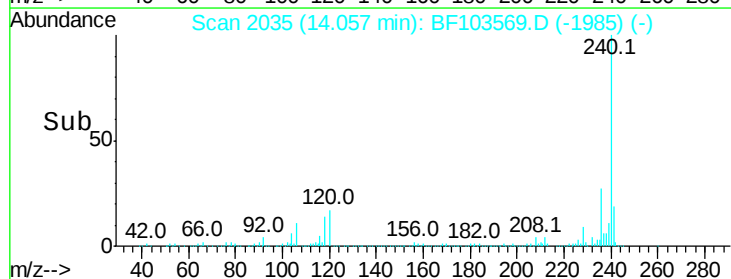
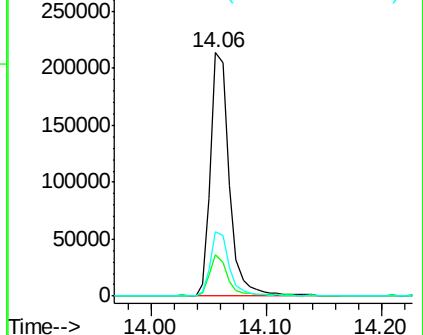
236 26.6 20.7 31.1

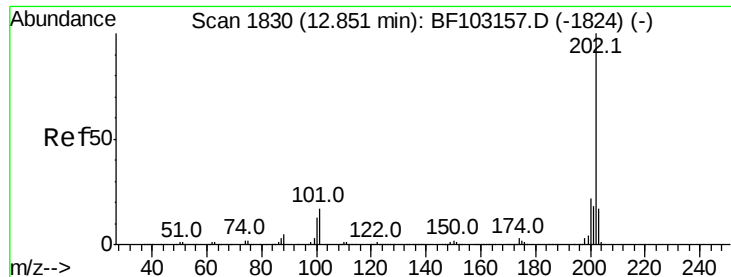


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.888 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

Instrument :

BNA_F

ClientSampleId :

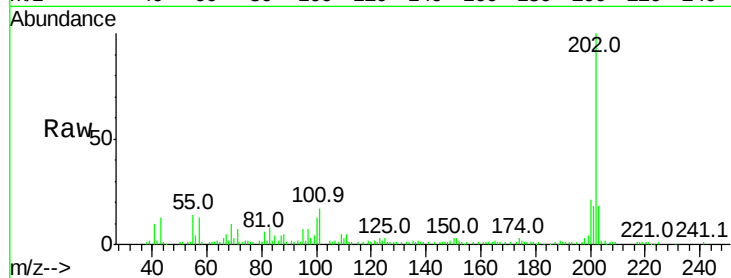
Tot Ion:202 Resp: 74038

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

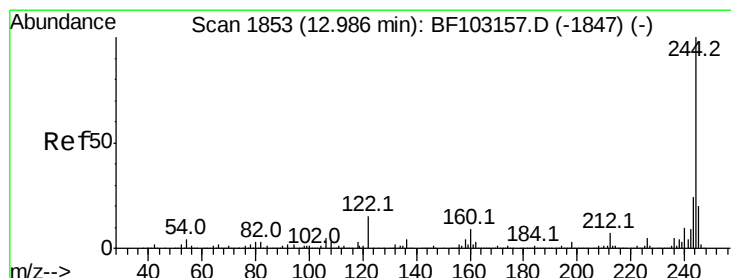
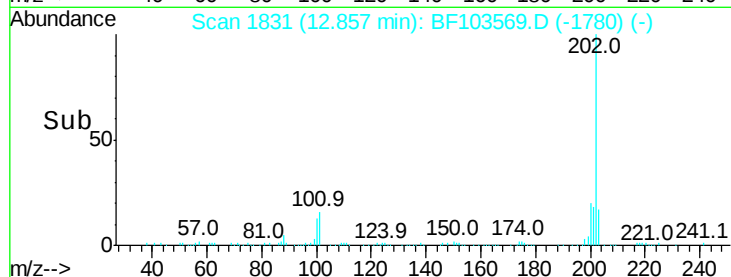
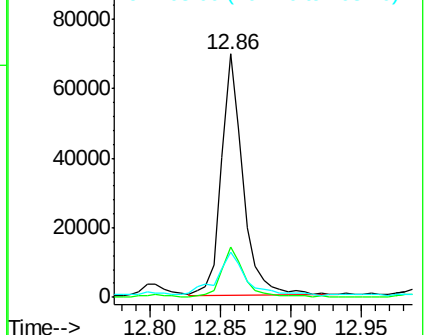
203 18.5 14.3 21.5



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: 51.851 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

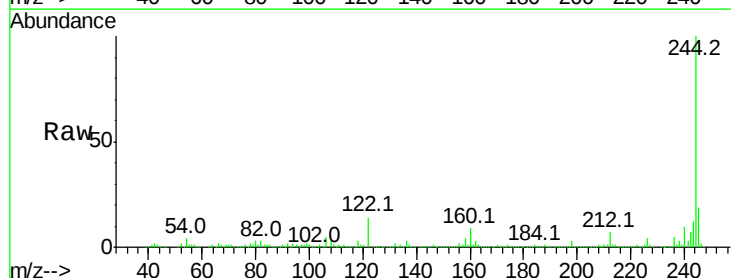
Tgt Ion:244 Resp: 526845

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

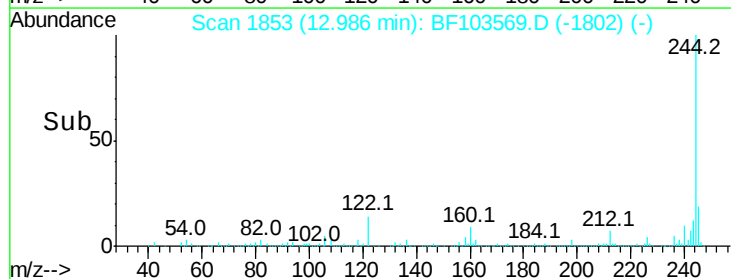
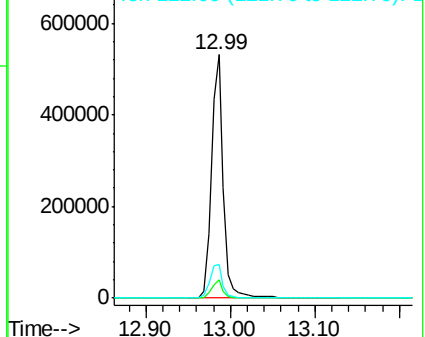
122 13.7 11.0 16.4

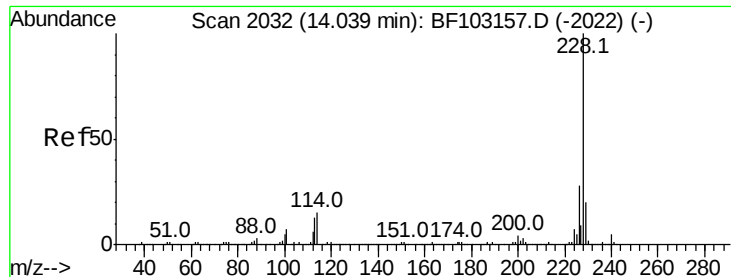


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.749 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

Instrument :

BNA_F

ClientSampled :

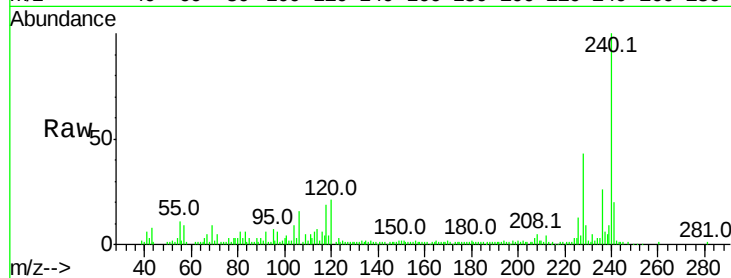
Tot Ion:228 Resp: 43572

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

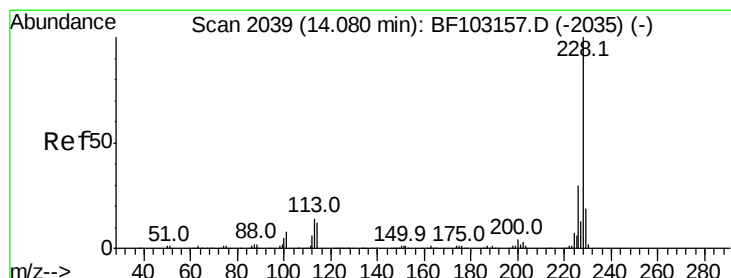
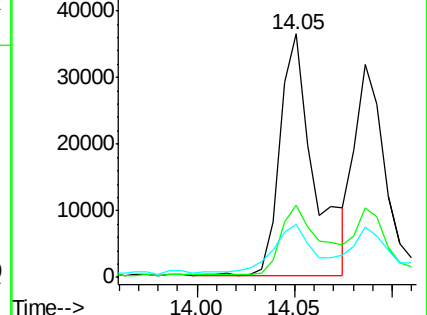
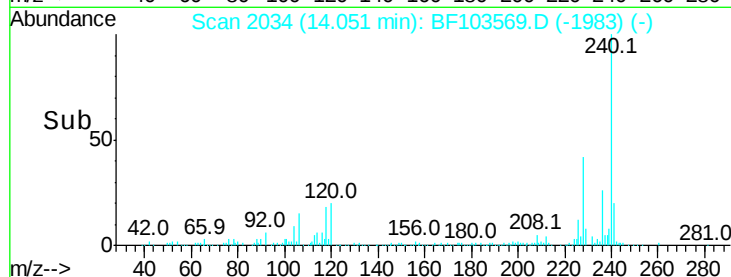
229 21.7 15.8 23.6



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: 2.222 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

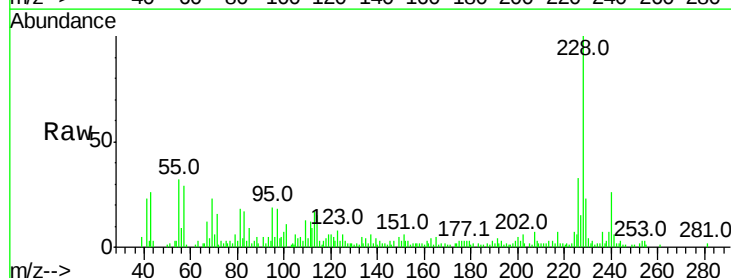
Tgt Ion:228 Resp: 34193

Ion Ratio Lower Upper

228 100

226 32.7 25.0 37.6

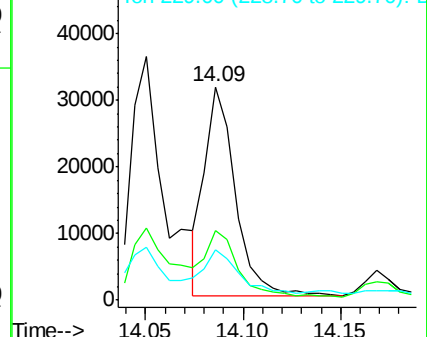
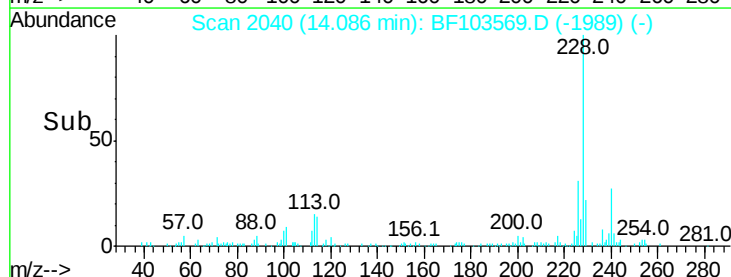
229 23.4 16.2 24.4

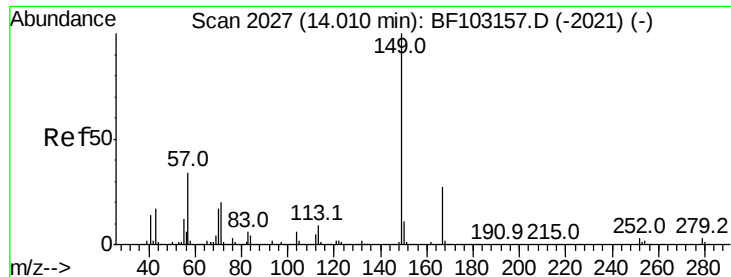


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.863 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

Instrument :

BNA_F

ClientSampleId :

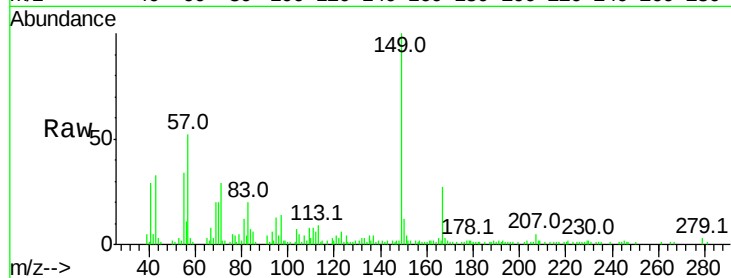
Tot Ion:149 Resp: 38869

Ion Ratio Lower Upper

149 100

167 26.5 21.3 31.9

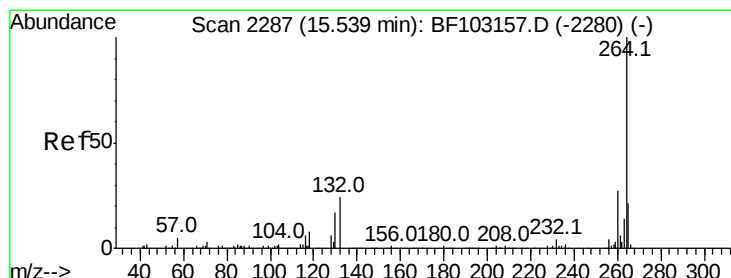
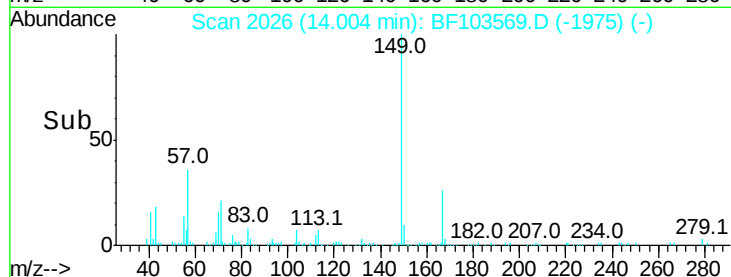
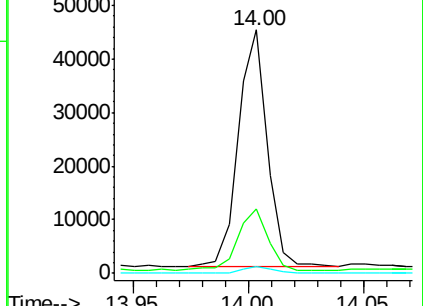
279 2.6 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

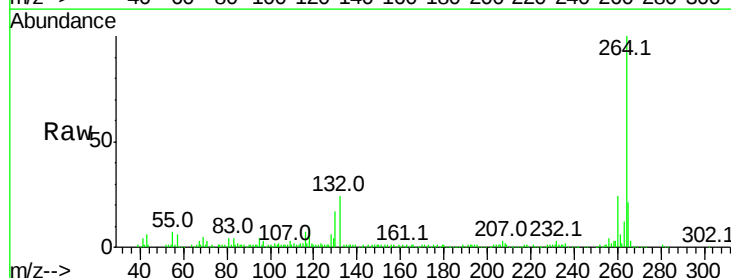
Tgt Ion:264 Resp: 205043

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

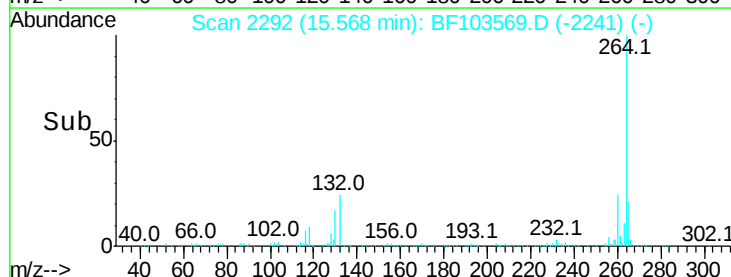
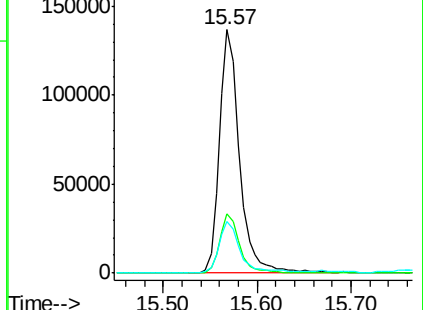
265 21.3 17.5 26.3

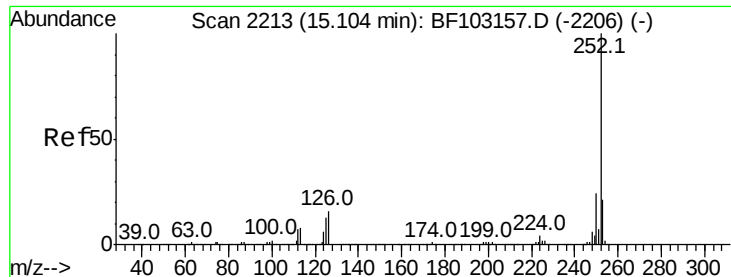


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

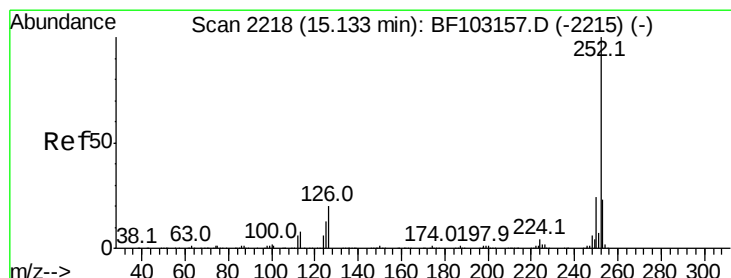
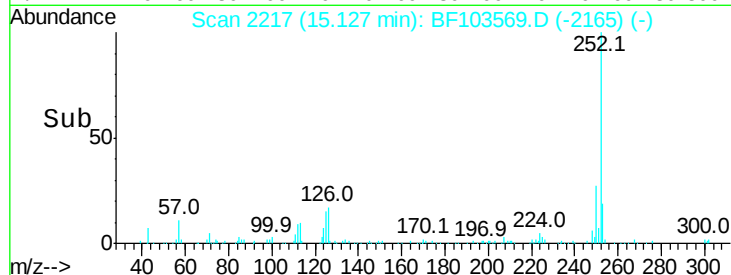
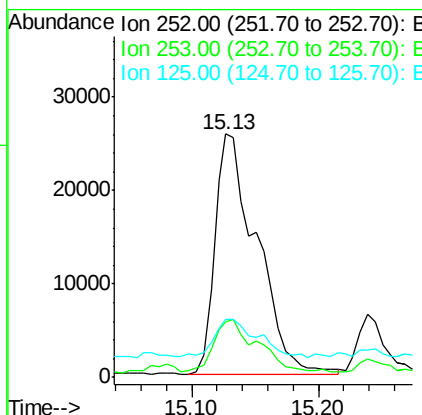
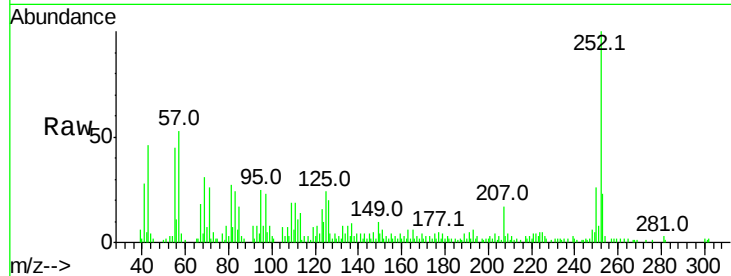




#87
Benzo(b)fluoranthene
Concen: 4.388 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103569.D
Acq: 9 Mar 2018 20:40

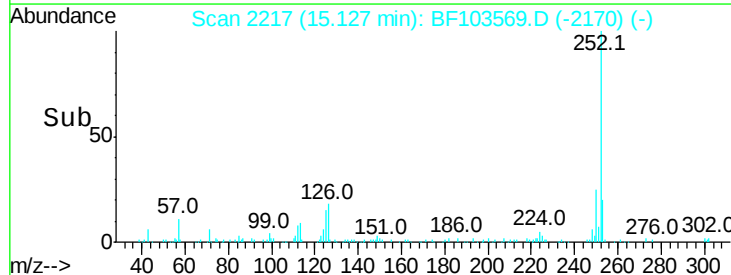
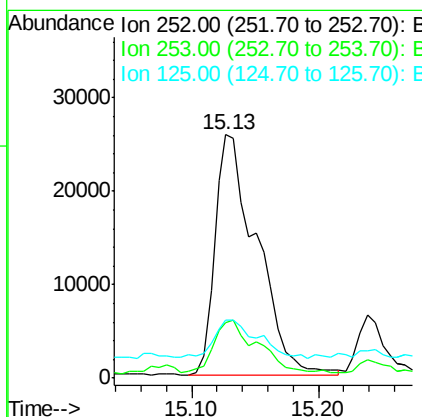
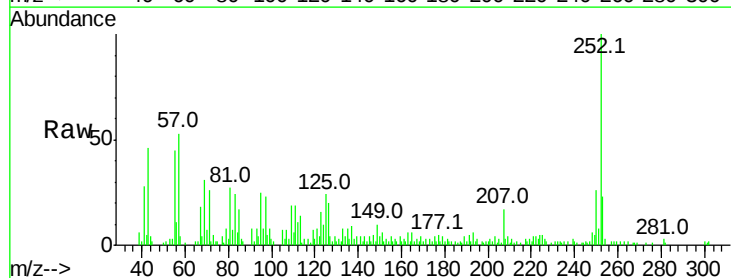
Instrument :
BNA_F
ClientSampleId :

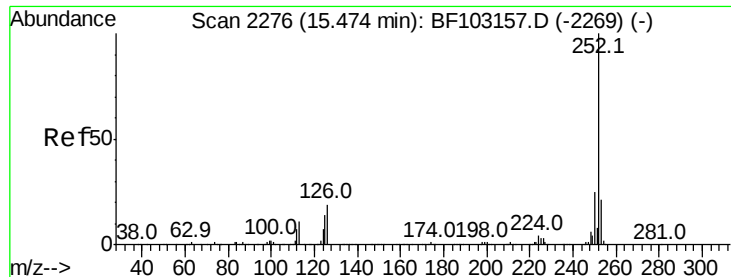
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	23.8	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 4.660 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103569.D
Acq: 9 Mar 2018 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	23.8	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.743 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF103569.D

Acq: 9 Mar 2018 20:40

Instrument :

BNA_F

ClientSampleId :

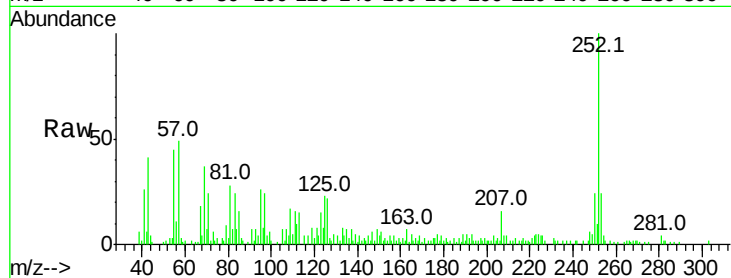
Tot Ion:252 Resp: 33023

Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

125 23.0 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

