

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103528.D
 Acq On : 8 Mar 2018 20:29
 Operator : SJ/JU
 Sample : J1823-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 23:53:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	122565	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	516036	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	195211	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	294555	20.00	ng	0.00
75) Chrysene-d12	14.06	240	217899	20.00	ng	0.00
86) Perylene-d12	15.57	264	158137	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	124238	15.33	ng	0.01
7) Phenol-d6	6.52	99	187579	18.92	ng	0.01
23) Nitrobenzene-d5	7.45	82	114869	12.71	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	20293	12.28	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	199523	12.74	ng	0.00
78) Terphenyl-d14	12.98	244	139445	15.38	ng	0.00

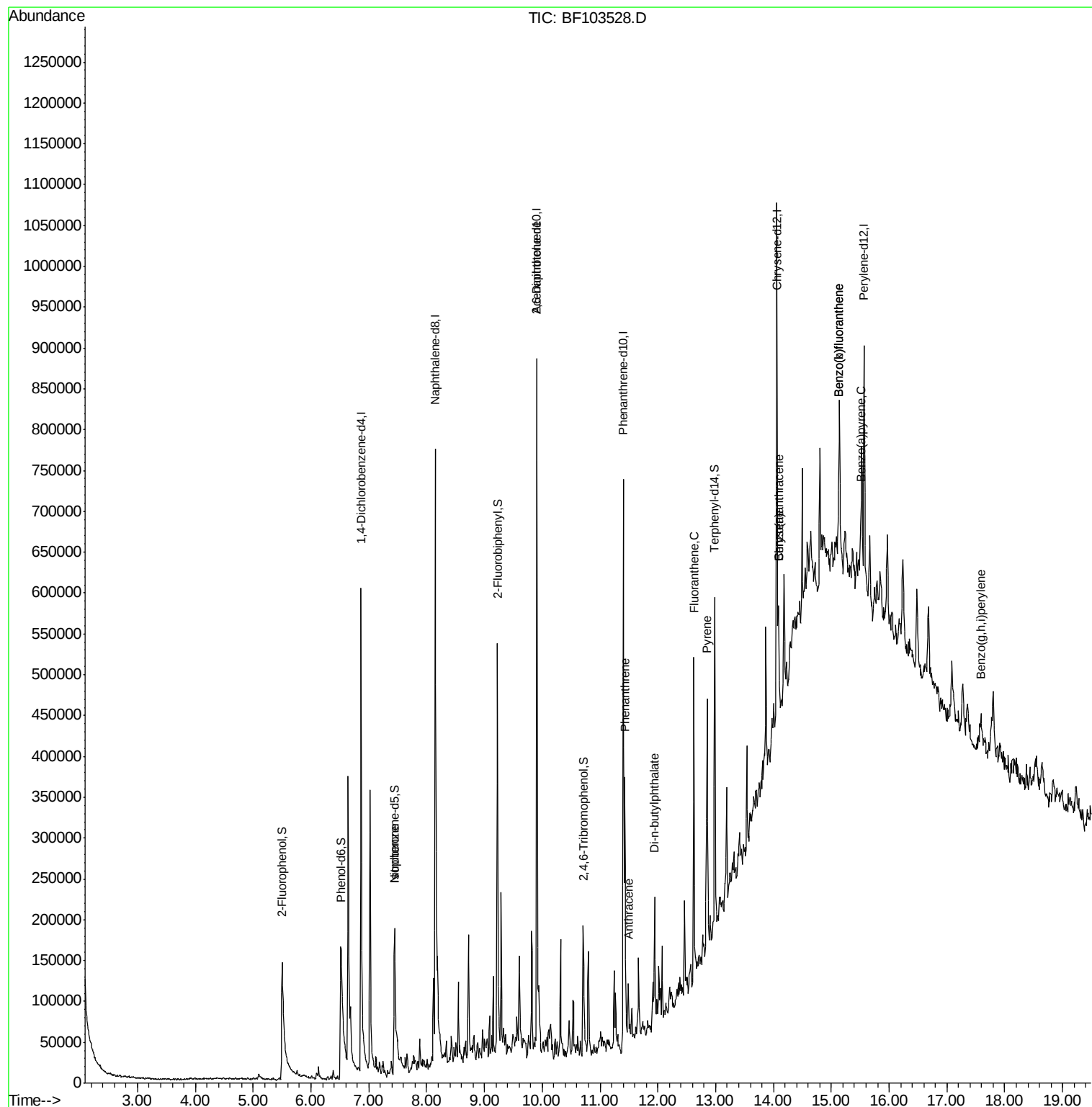
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	221	Below Cal		# 1
25) Isophorone	7.45	82	114869	6.455	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	25918	7.887	ng	# 27
70) Phenanthrene	11.43	178	123479	7.617	ng	97
71) Anthracene	11.49	178	41885	2.520	ng	97
73) Di-n-butylphthalate	11.95	149	58056	2.803	ng	100
74) Fluoranthene	12.62	202	172293	10.577	ng	98
77) Pyrene	12.86	202	146944	8.649	ng	99
80) Benzo(a)anthracene	14.09	228	55720	3.941	ng	94
82) Chrysene	14.09	228	55720	4.059	ng	98
87) Benzo(b)fluoranthene	15.13	252	62899	6.050	ng	# 76
88) Benzo(k)fluoranthene	15.13	252	62899	6.424	ng	# 79
89) Benzo(a)pyrene	15.50	252	31678	3.412	ng	# 66
91) Benzo(a,h,i)perylene	17.60	276	16012	2.284	ng	# 76

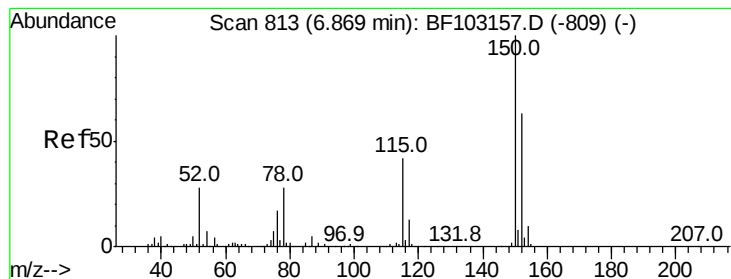
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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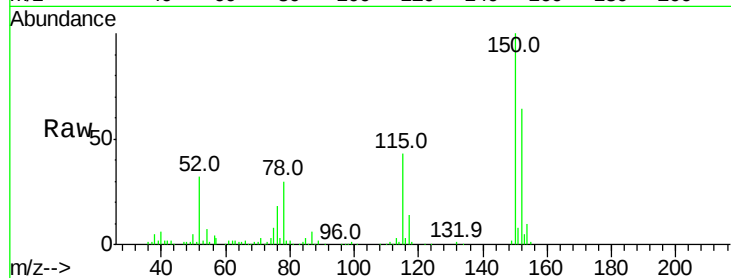


#1

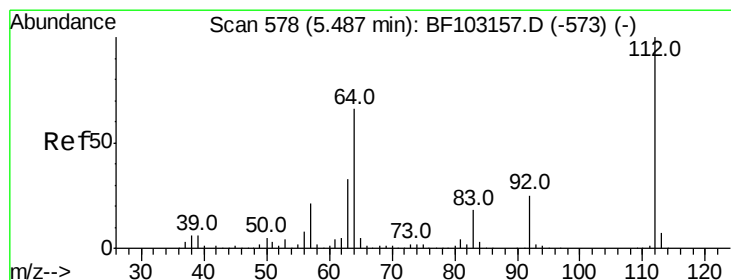
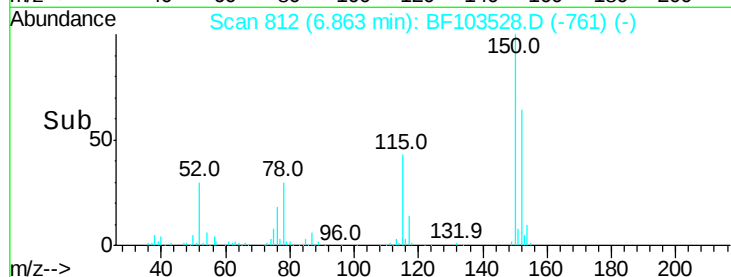
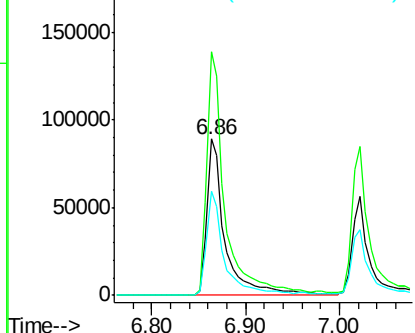
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122565
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 66.5 50.1 75.1



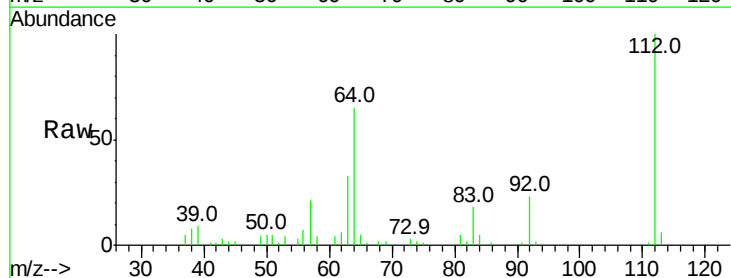
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



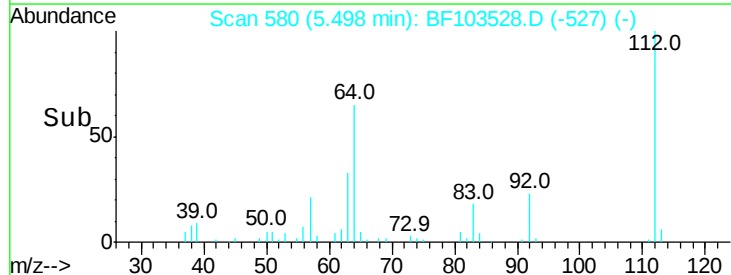
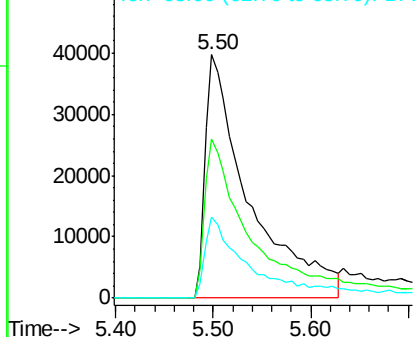
#5

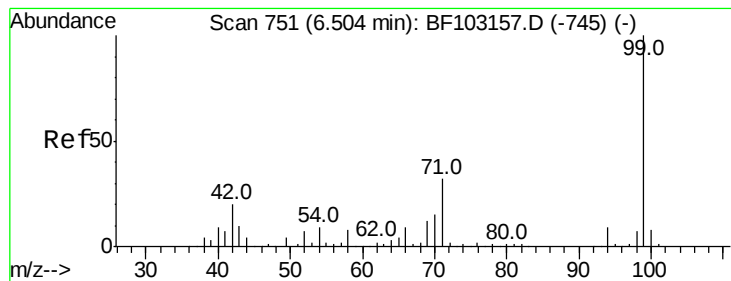
2-Fluorophenol
Concen: 15.331 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion:112 Resp: 124238
Ion Ratio Lower Upper
112 100
64 65.4 47.9 71.9
63 33.3 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: 18.916 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

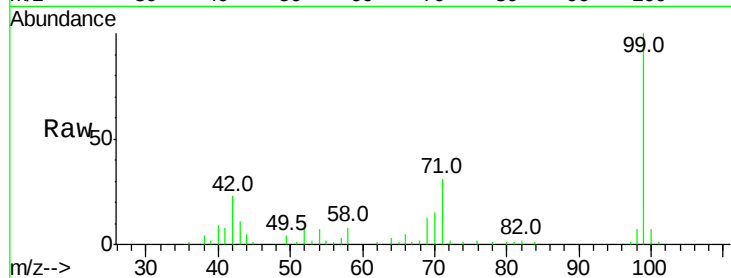
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 187579

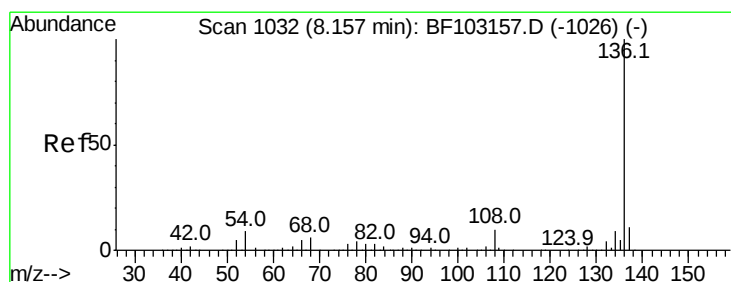
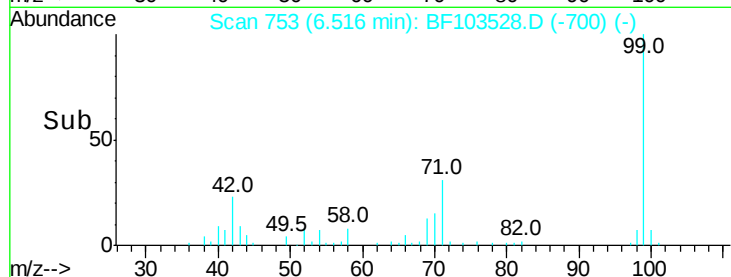
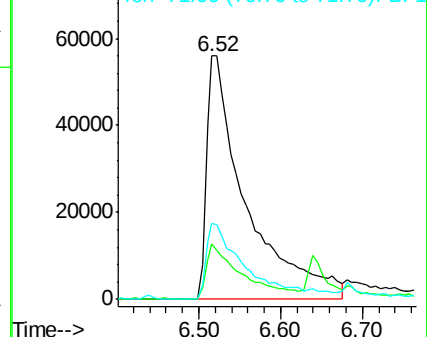
Ion	Ratio	Lower	Upper
99	100		
42	22.7	14.5	21.7#
71	31.4	25.4	38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Tgt Ion: 136 Resp: 516036

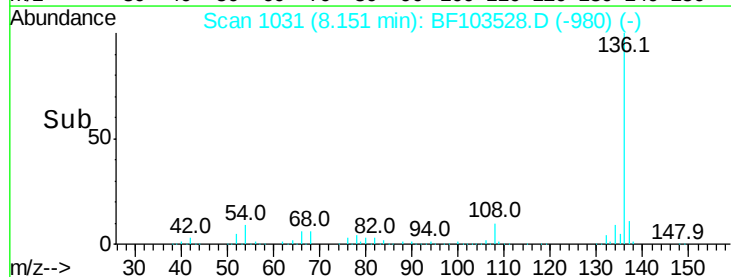
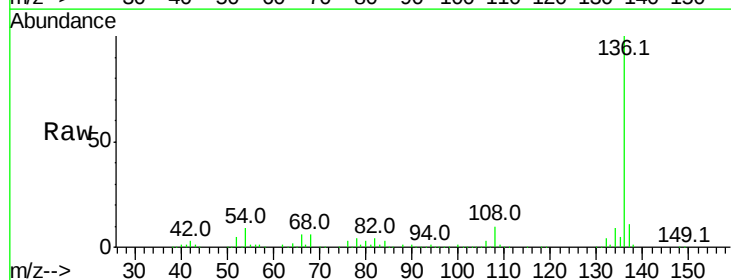
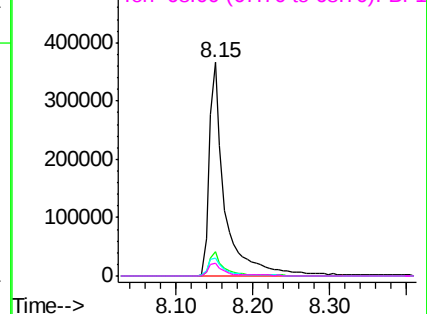
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.5	6.6	9.8
68	6.2	5.0	7.4

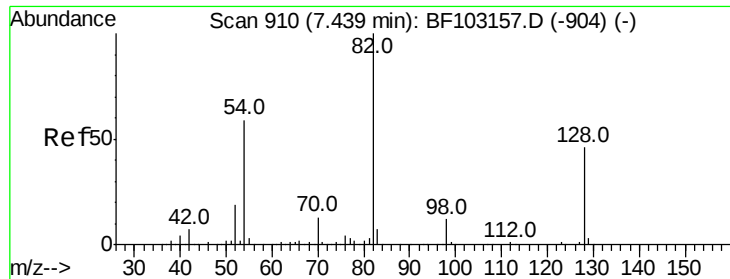
Abundance Ion 136.00 (135.70 to 136.70): E

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

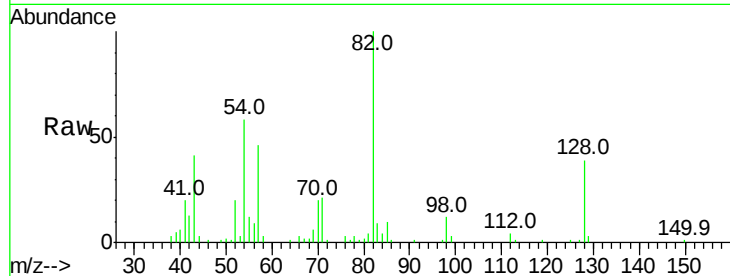




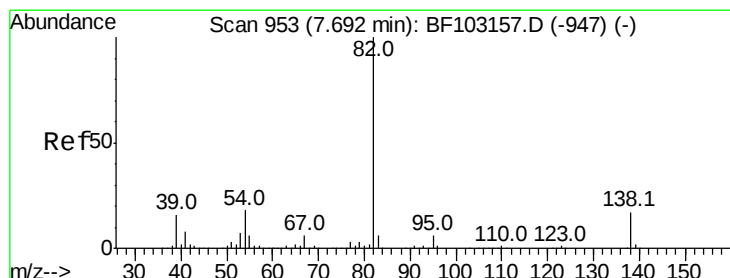
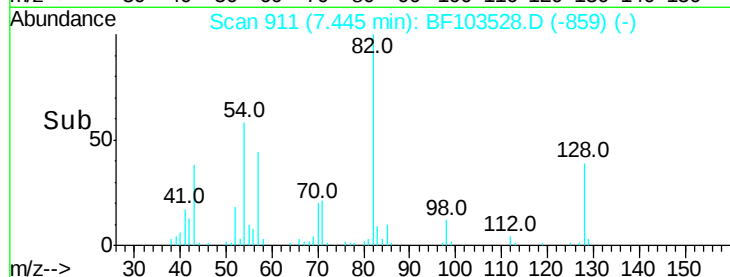
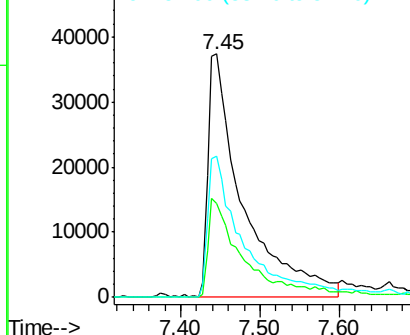
#23
Nitrobenzene-d5
Concen: 12.712 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 114869
Ion Ratio Lower Upper
82 100
128 38.8 36.1 54.1
54 58.0 41.4 62.2

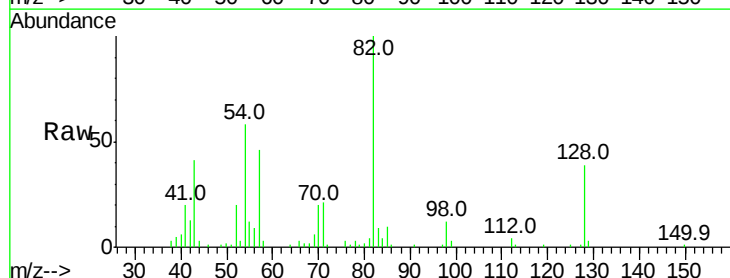


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

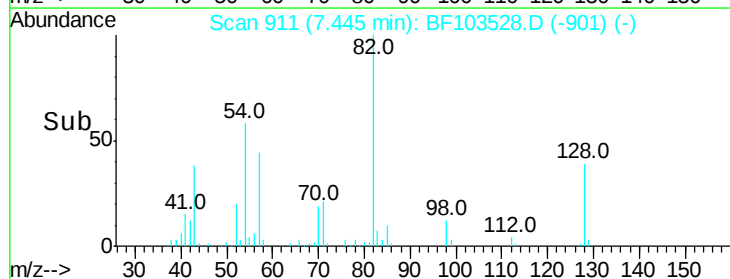
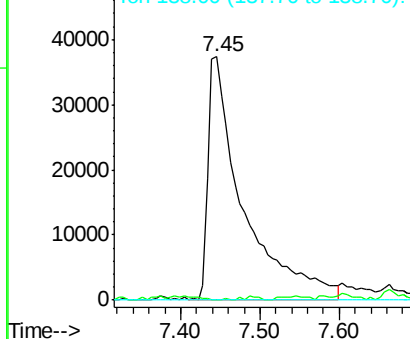


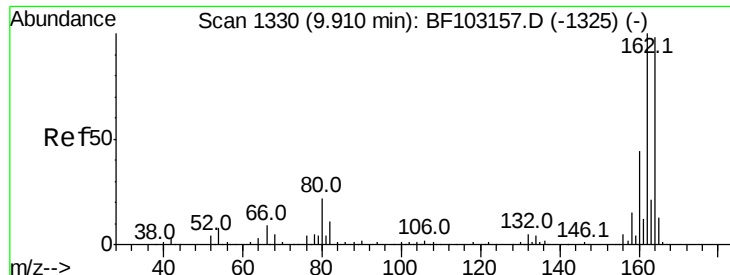
#25
Isophorone
Concen: 6.455 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.24 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion: 82 Resp: 114869
Ion Ratio Lower Upper
82 100
95 0.0 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

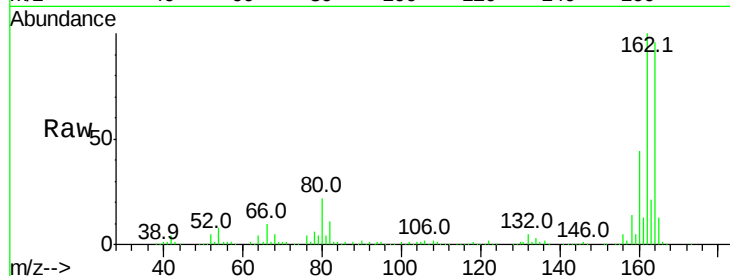




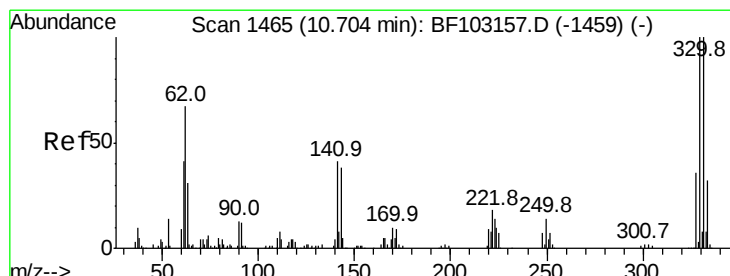
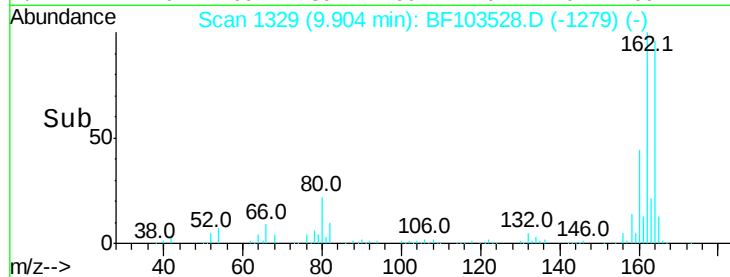
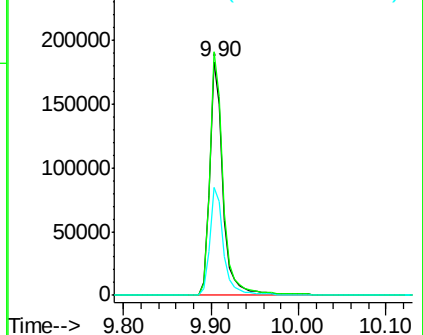
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF103528.D
 Acq: 8 Mar 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	46.3	38.3	57.5

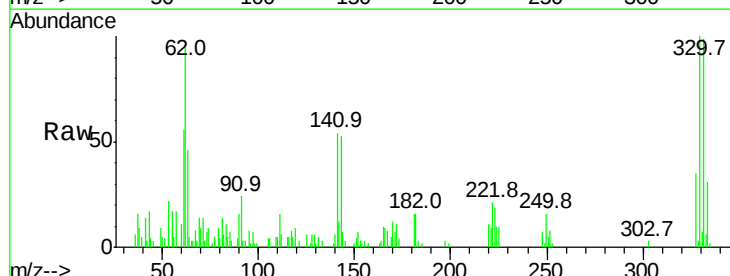


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

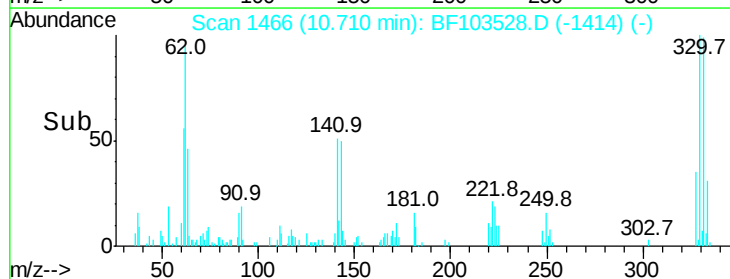
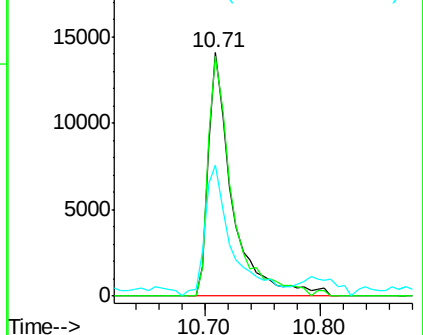


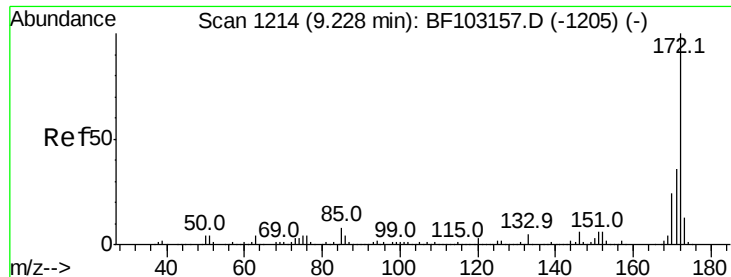
#41
 2,4,6-Tribromophenol
 Concen: 12.281 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103528.D
 Acq: 8 Mar 2018 20:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.0	115.6
141	60.7	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: 12.736 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Instrument :

BNA_F

ClientSampleId :

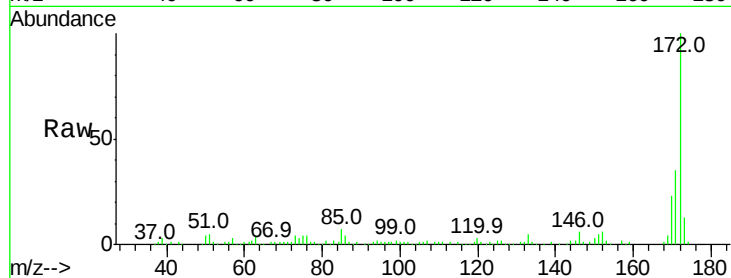
Tot Ion:172 Resp: 199523

Ion Ratio Lower Upper

172 100

171 34.9 29.7 44.5

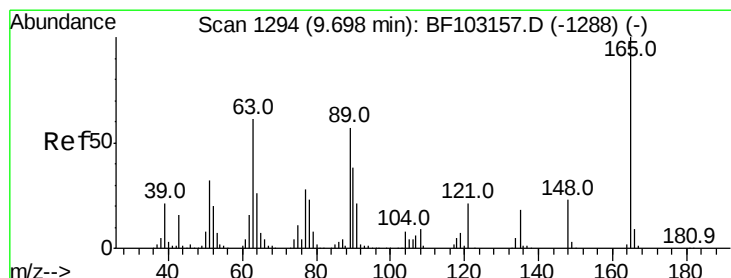
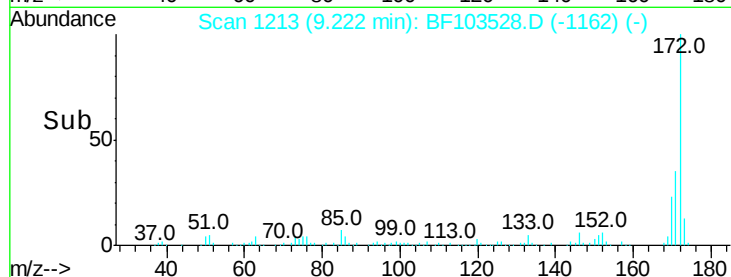
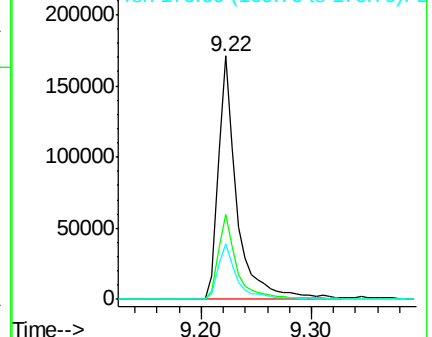
170 22.9 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.887 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.20 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

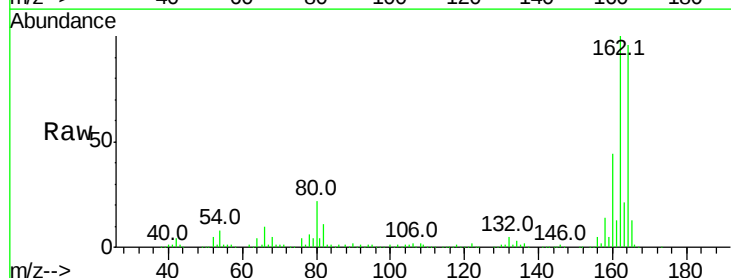
Tgt Ion:165 Resp: 25918

Ion Ratio Lower Upper

165 100

63 2.1 44.7 67.1#

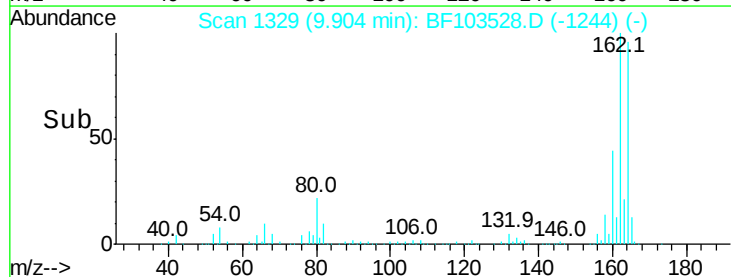
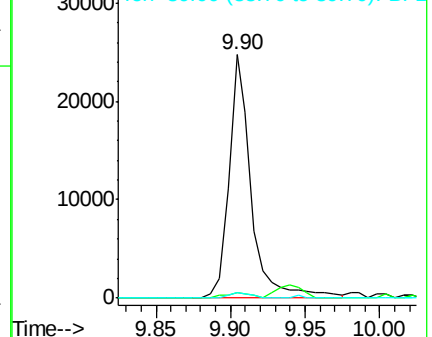
89 2.1 44.0 66.0#

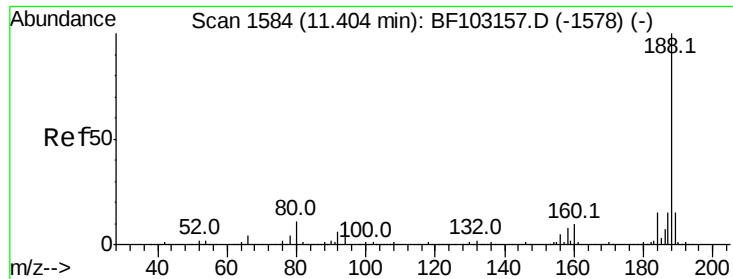


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

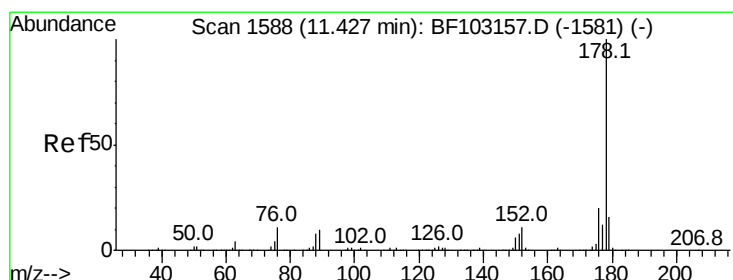
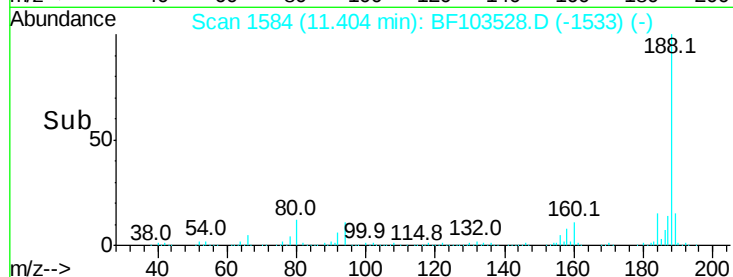
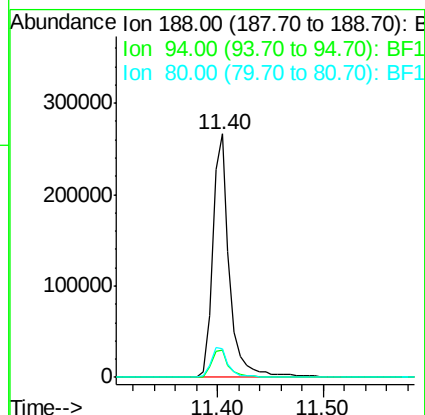
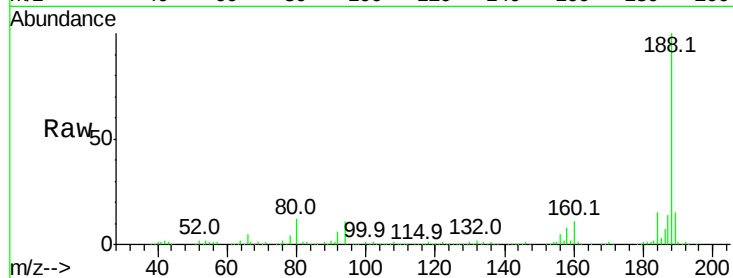




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

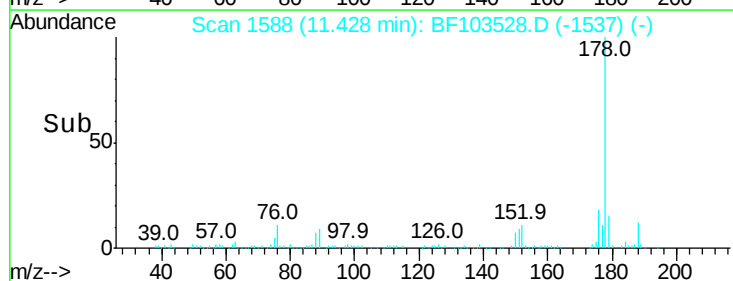
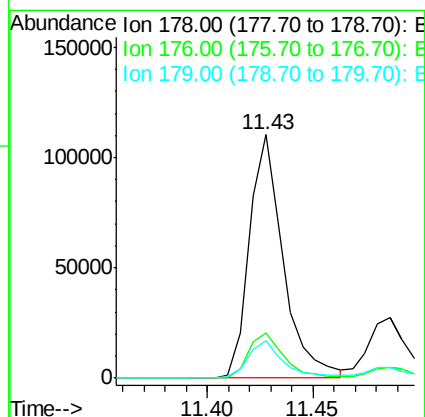
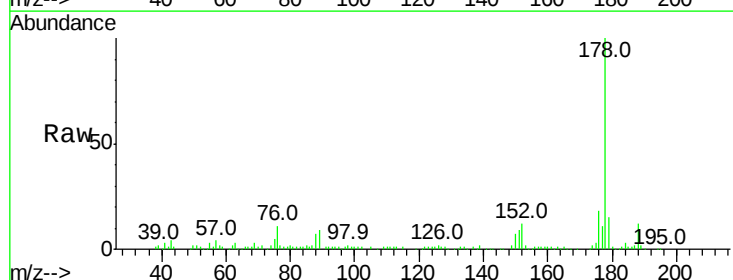
Instrument :
BNA_F
ClientSampleId :

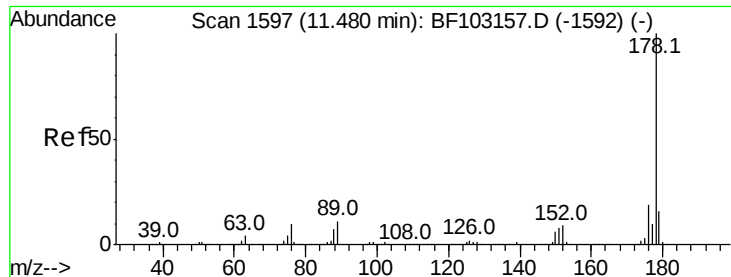
Tot Ion:188 Resp: 294555
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.6 9.2 13.8



#70
Phenanthrene
Concen: 7.617 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion:178 Resp: 123479
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.5 13.0 19.6

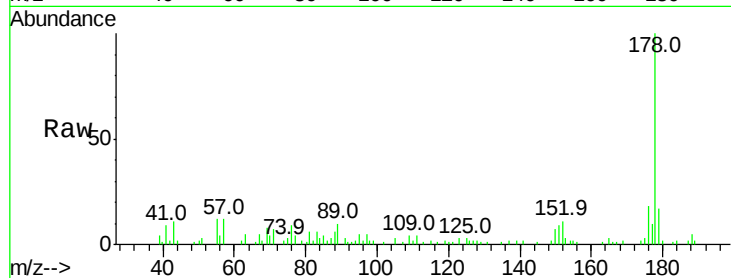




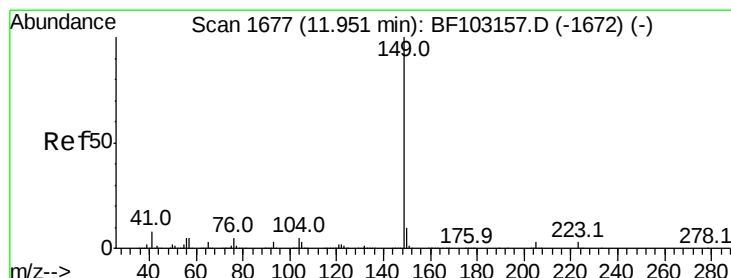
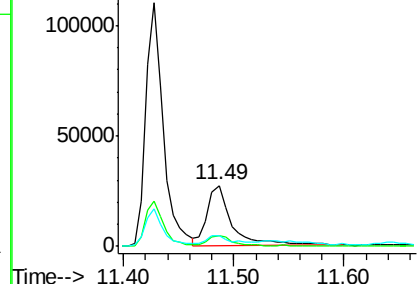
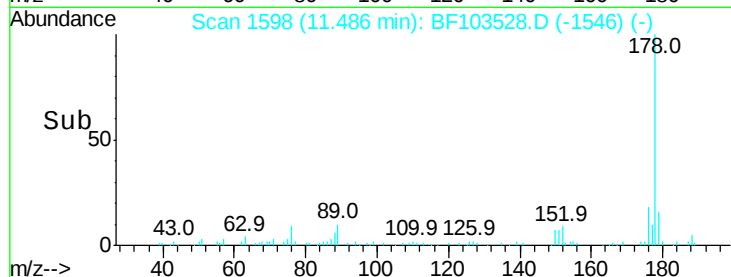
#71
 Anthracene
 Concen: 2.520 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF103528.D
 Acq: 8 Mar 2018 20:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 41885
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 17.3 12.6 19.0

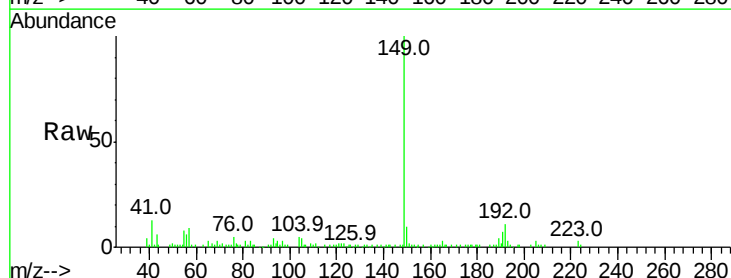


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

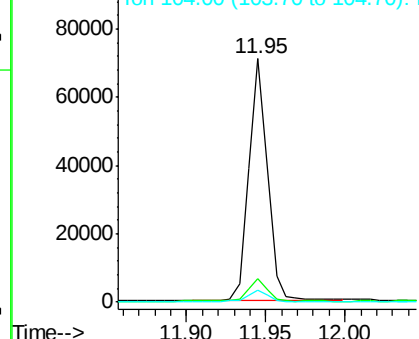
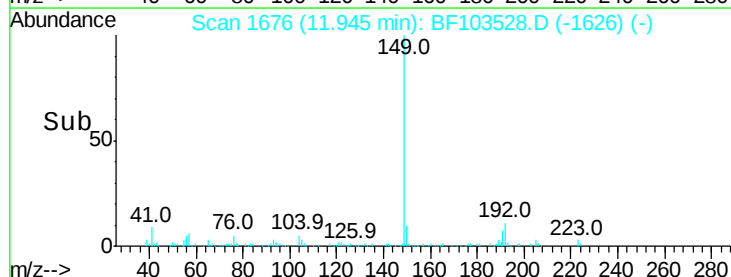


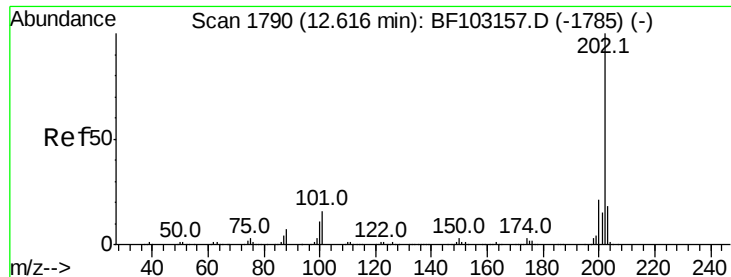
#73
 Di-n-butylphthalate
 Concen: 2.803 ng
 RT: 11.95 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF103528.D
 Acq: 8 Mar 2018 20:29

Tgt Ion:149 Resp: 58056
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.8 11.6
 104 5.1 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: 10.577 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Instrument :

BNA_F

ClientSampleId :

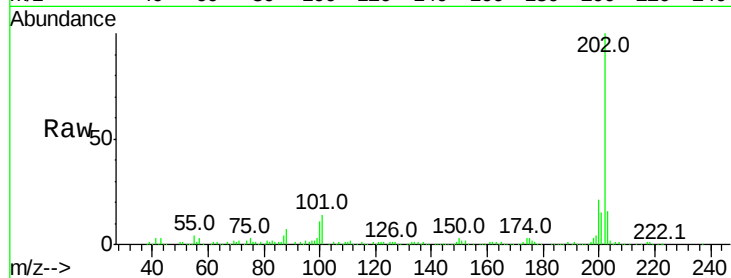
Tot Ion:202 Resp: 172293

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.1

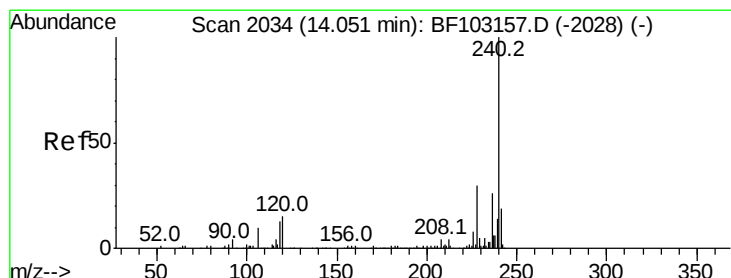
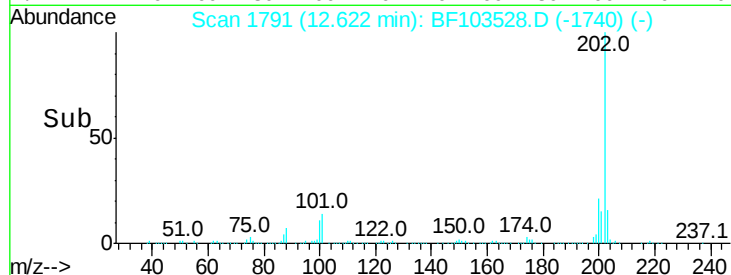
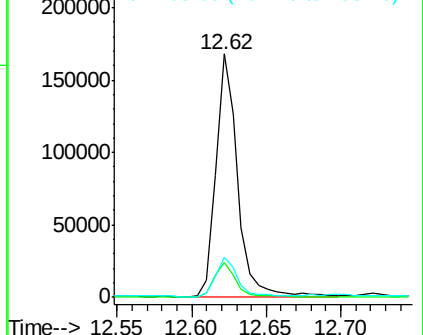
203 16.4 0.0 38.1



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: BF103528.D

Acq: 8 Mar 2018 20:29

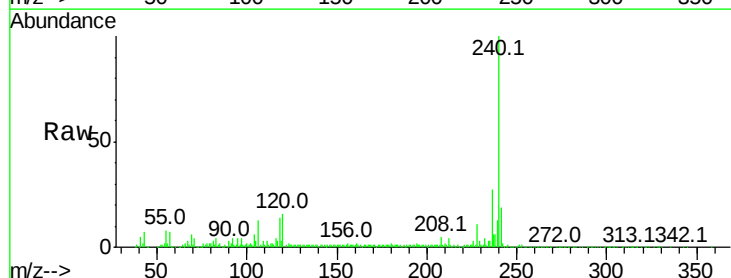
Tgt Ion:240 Resp: 217899

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

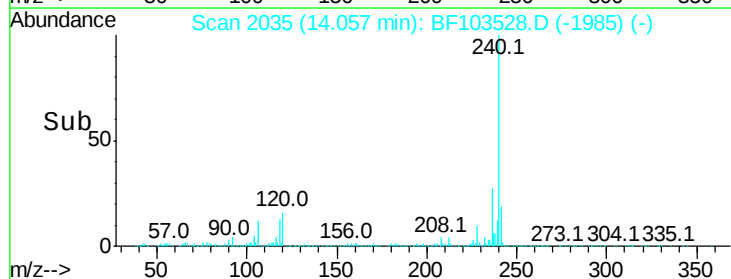
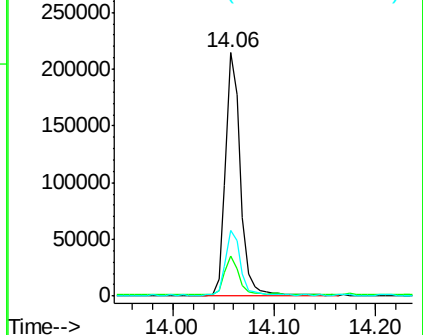
236 27.0 20.7 31.1

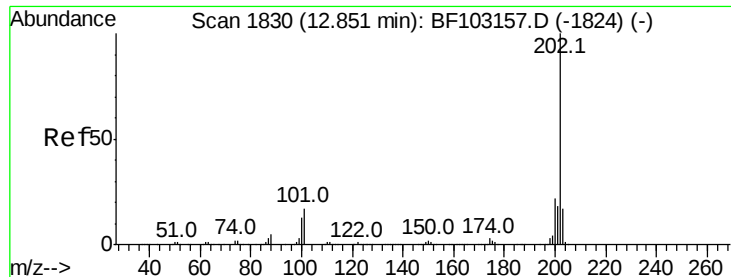


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.649 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Instrument :

BNA_F

ClientSampleId :

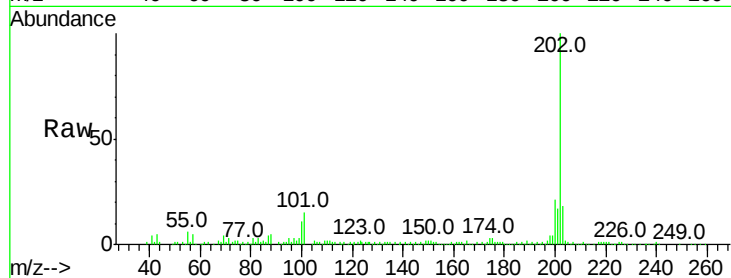
Tot Ion:202 Resp: 146944

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

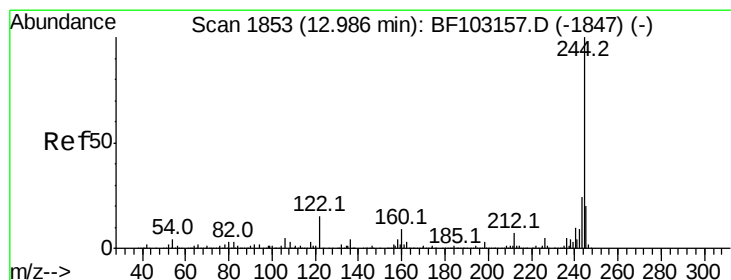
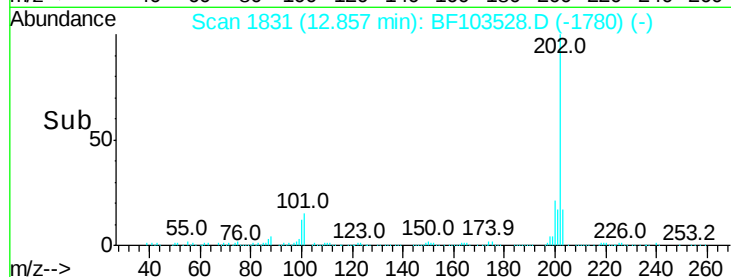
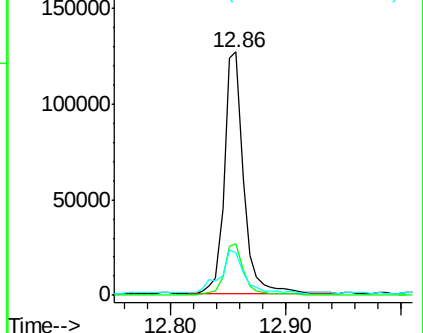
203 17.8 14.3 21.5



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: 15.384 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

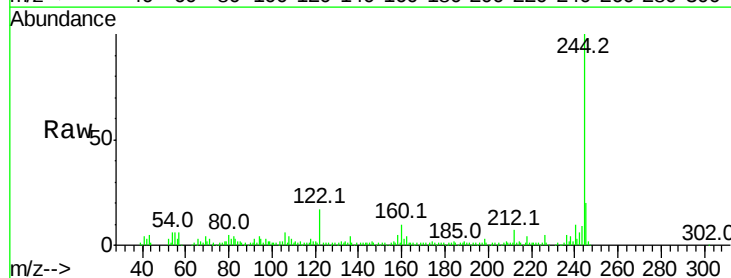
Tgt Ion:244 Resp: 139445

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

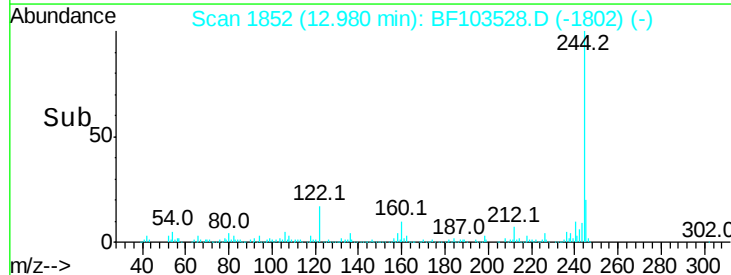
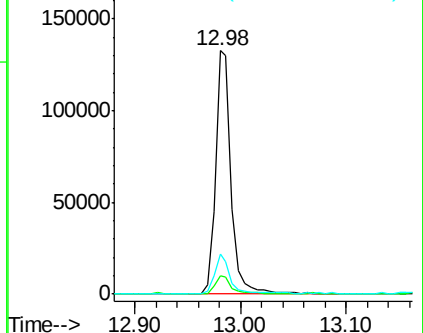
122 16.7 11.0 16.4#

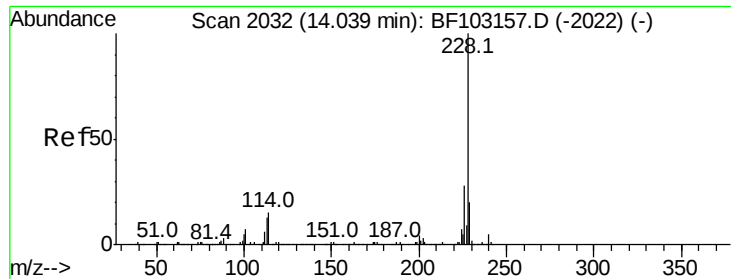


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

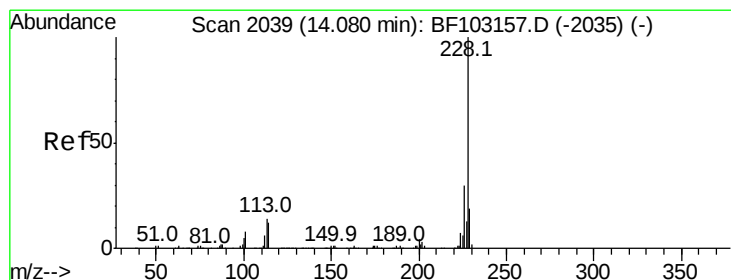
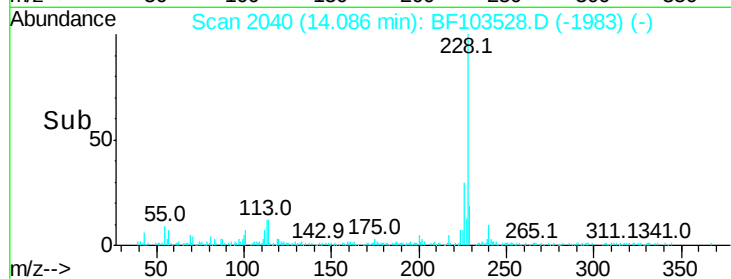
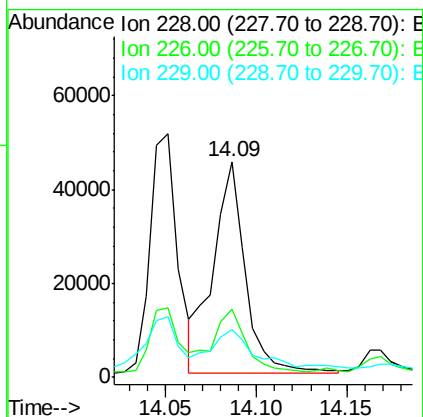
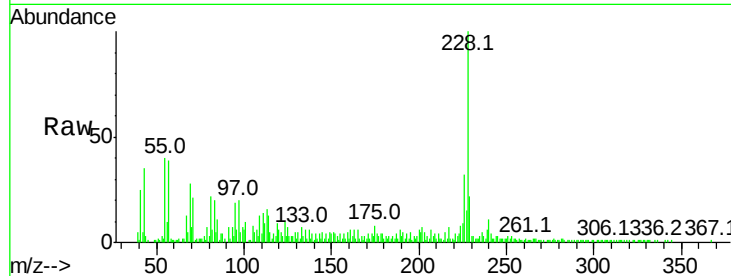




#80
Benzo(a)anthracene
Concen: 3.941 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.04 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

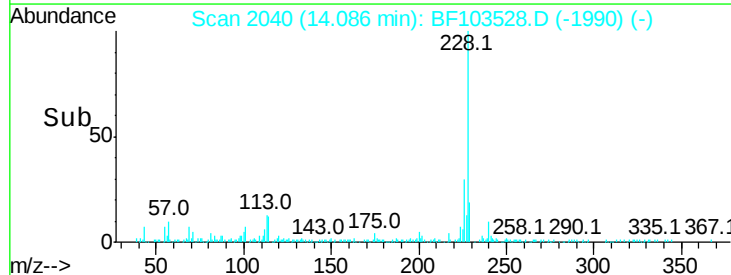
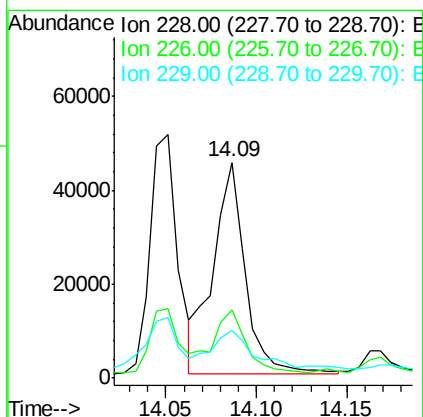
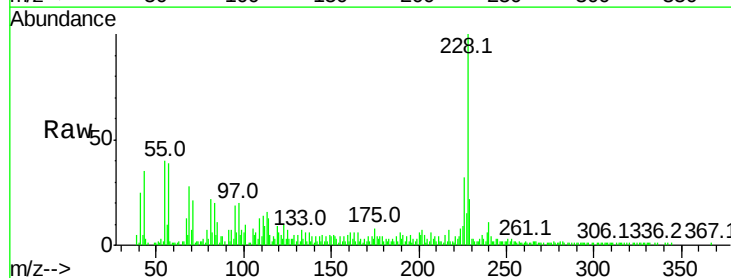
Instrument :
BNA_F
ClientSampleId :

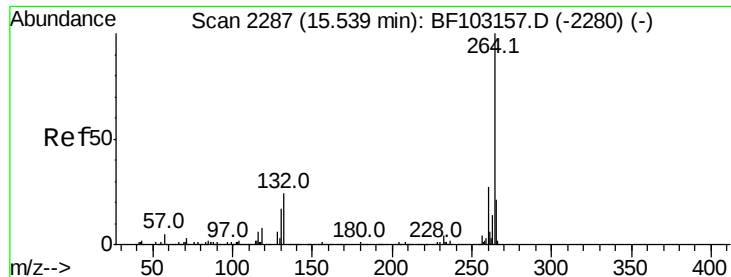
Tot Ion:228 Resp: 55720
Ion Ratio Lower Upper
228 100
226 31.7 22.6 33.8
229 22.2 15.8 23.6



#82
Chrysene
Concen: 4.059 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion:228 Resp: 55720
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 22.2 16.2 24.4

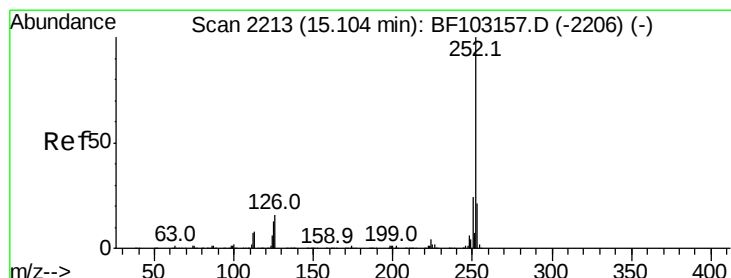
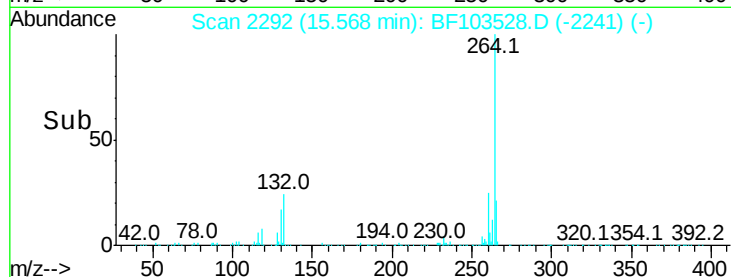
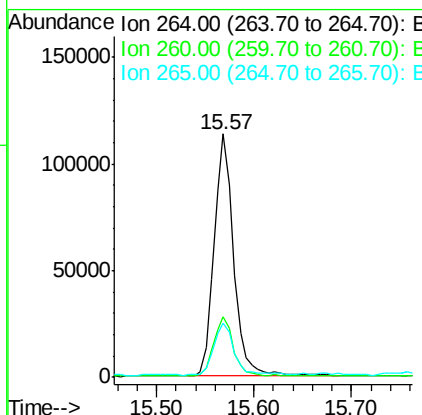
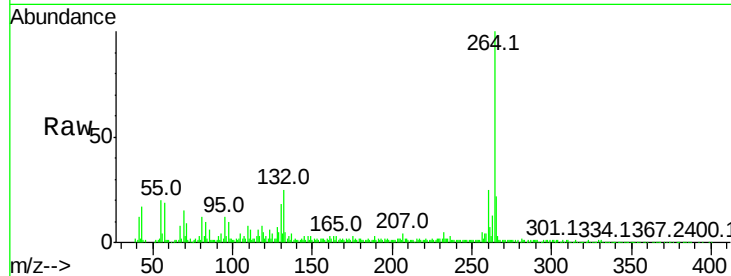




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

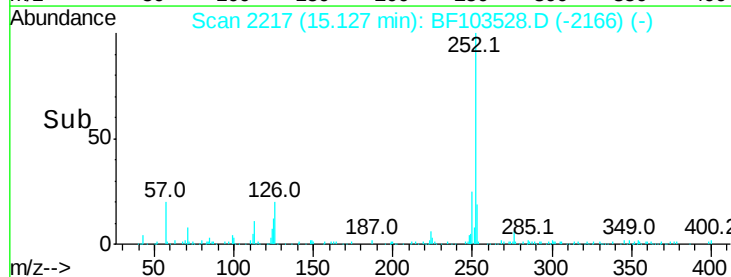
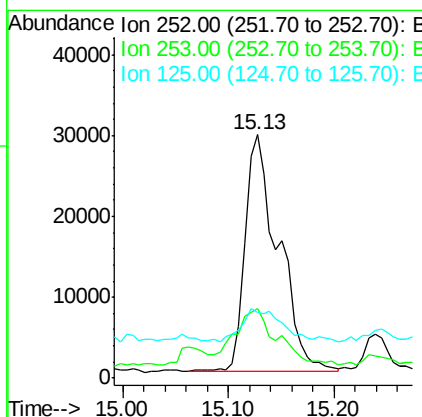
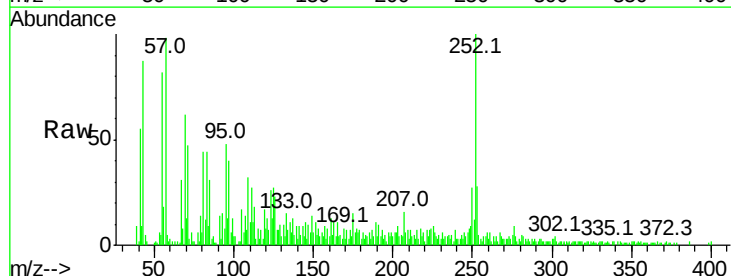
Instrument :
BNA_F
ClientSampleId :

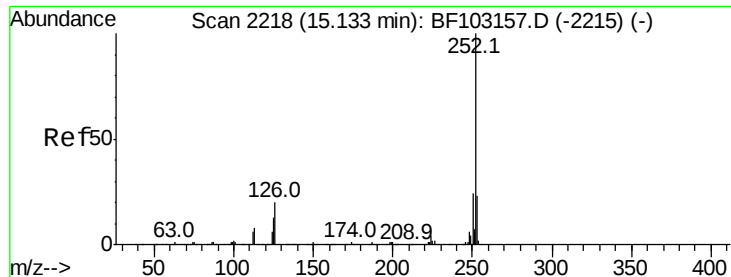
Tot Ion:264 Resp: 158137
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.050 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion:252 Resp: 62899
Ion Ratio Lower Upper
252 100
253 28.4 17.0 25.6#
125 27.1 9.0 13.6#

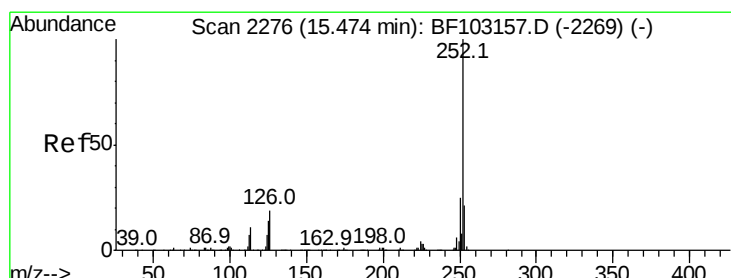
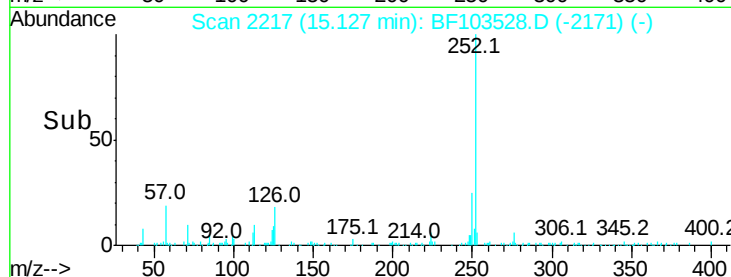
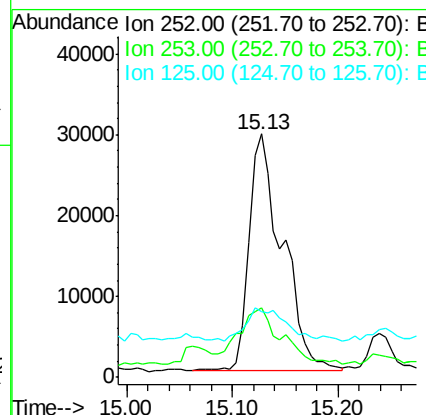
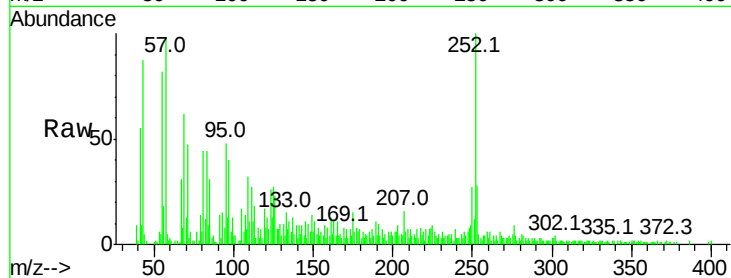




#88
Benzo(k)fluoranthene
Concen: 6.424 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.03 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

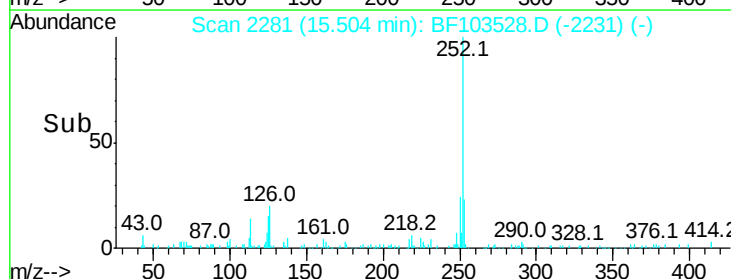
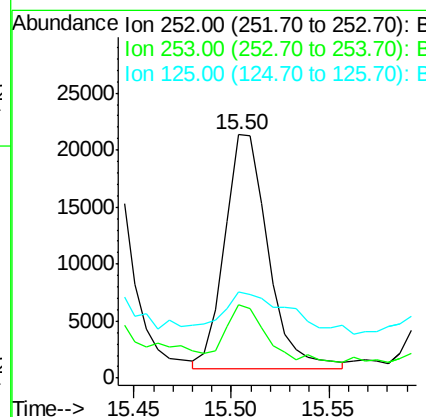
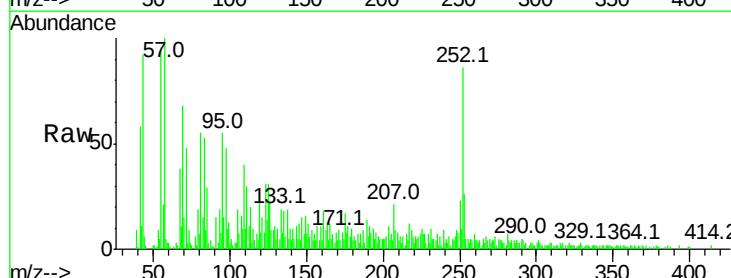
Instrument :
BNA_F
ClientSampleId :

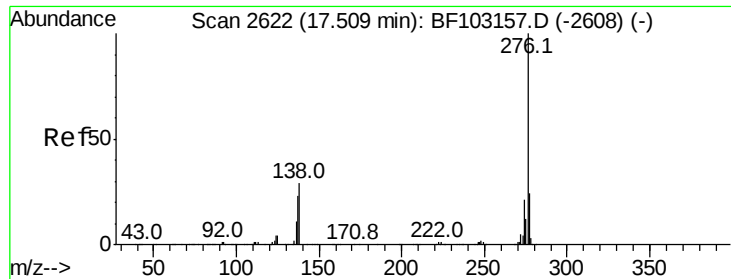
Tot Ion:252 Resp: 62899
Ion Ratio Lower Upper
252 100
253 28.4 17.9 26.9#
125 27.1 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.412 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion:252 Resp: 31678
Ion Ratio Lower Upper
252 100
253 30.1 17.1 25.7#
125 35.7 9.8 14.6#

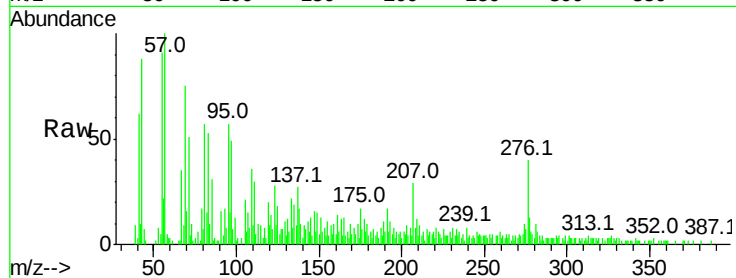




#91
 Benzo(a,h,i)perylene
 Concen: 2.284 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. 0.02 min
 Lab File: BF103528.D
 Acq: 8 Mar 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	32.5	17.9	26.9
138	41.4	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

