

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102198.D
 Acq On : 18 Jan 2018 18:19
 Operator : SJ/JU
 Sample : J1023-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 19 00:14:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	158362	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	635755	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	263745	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	391547	20.00	ng	0.00
75) Chrysene-d12	13.87	240	271161	20.00	ng	0.00
86) Perylene-d12	15.29	264	262782	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	503202	44.87	ng	0.00
7) Phenol-d6	6.35	99	596162	44.55	ng	0.00
23) Nitrobenzene-d5	7.28	82	362330	33.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	110463	47.99	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	659671	39.08	ng	-0.01
78) Terphenyl-d14	12.83	244	440739	33.75	ng	0.00

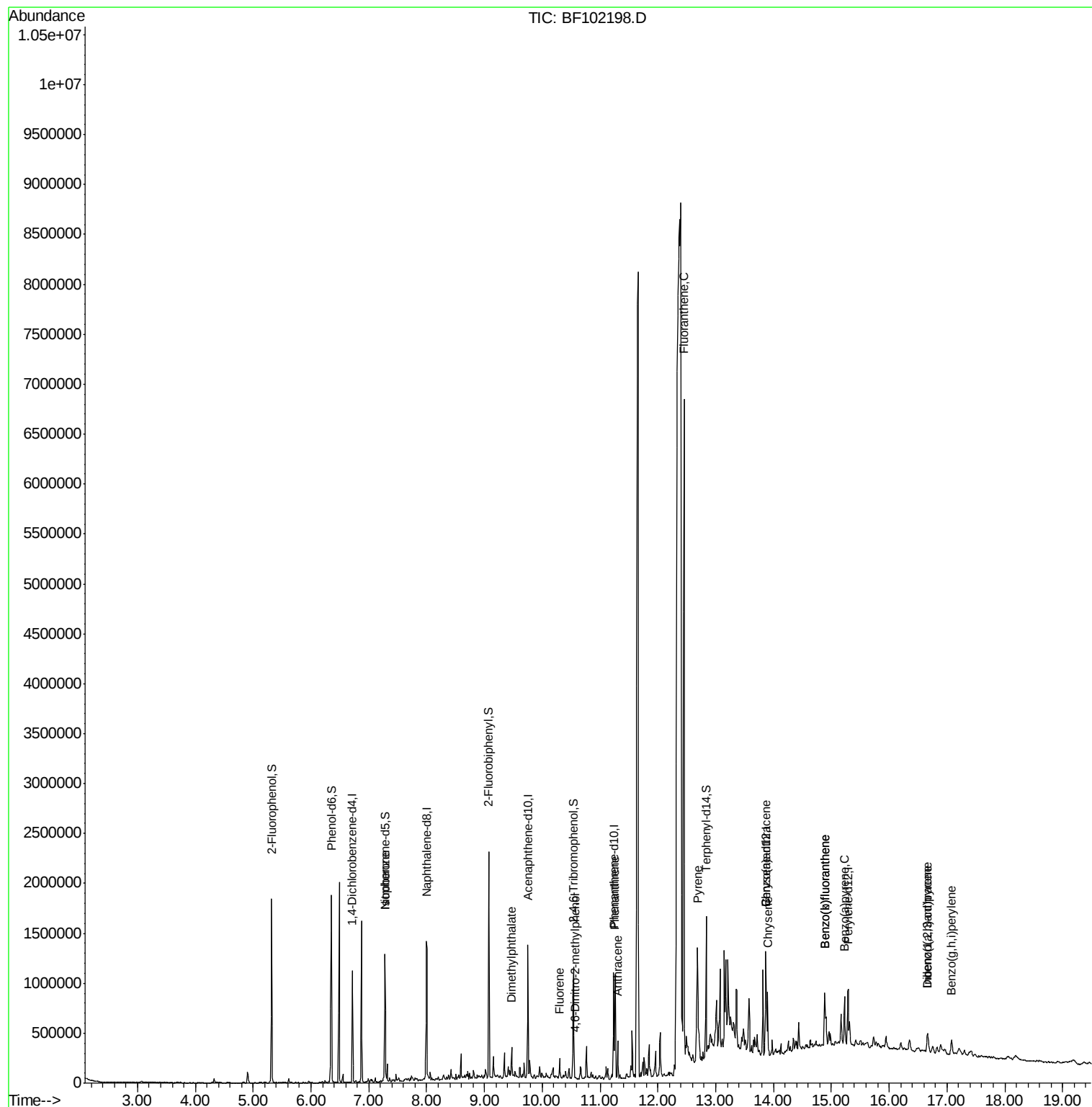
Target Compounds				Qvalue		
25) Isophorone	7.28	82	361404	16.906	ng	# 64
49) Dimethylphthalate	9.47	163	94406	4.462	ng	100
57) Fluorene	10.30	166	50101	3.033	ng	99
64) 4,6-Dinitro-2-methylphenol	10.57	198	241	5.762	ng	# 1
70) Phenanthrene	11.26	178	397606	17.384	ng	99
71) Anthracene	11.31	178	129138	5.567	ng	97
74) Fluoranthene	12.46	202	428661	19.049	ng	99
77) Pyrene	12.69	202	579698	24.185	ng	98
80) Benzo(a)anthracene	13.86	228	271123	15.671	ng	95
82) Chrysene	13.90	228	212820	11.797	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	114371	8.711	ng	94
87) Benzo(b)fluoranthene	14.89	252	385865	22.520	ng	95
88) Benzo(k)fluoranthene	14.89	252	385865	23.345	ng	98
89) Benzo(a)pyrene	15.23	252	217196	14.087	ng	# 96
90) Dibenzo(a,h)anthracene	16.67	278	28560	2.321	ng	# 82
91) Benzo(g,h,i)perylene	17.08	276	108676	8.768	ng	97

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

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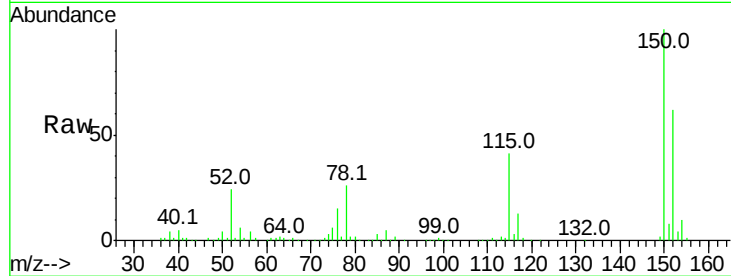


#1

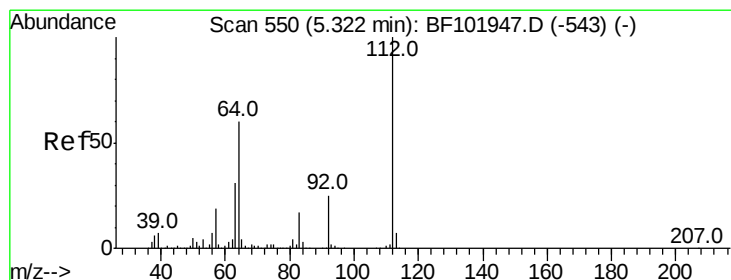
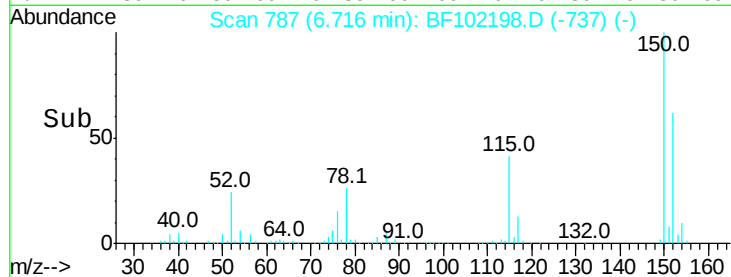
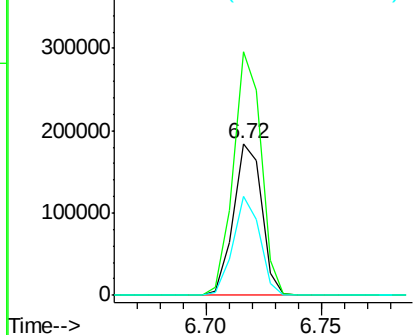
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	65.0	50.1	75.1



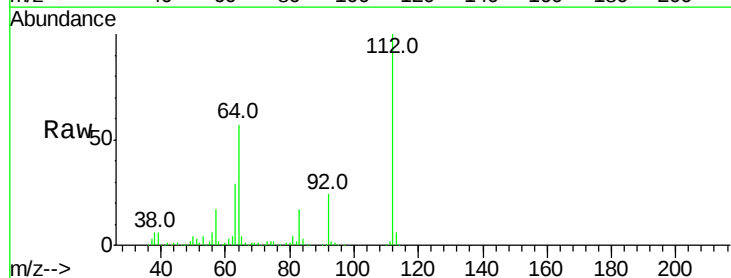
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



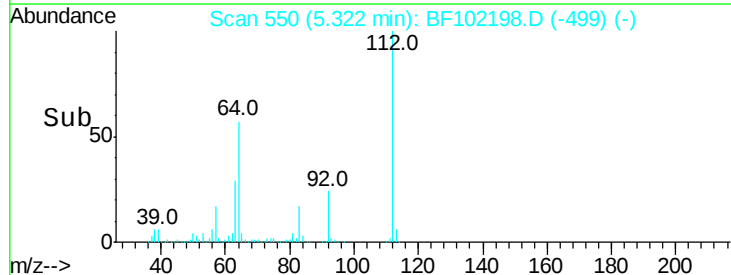
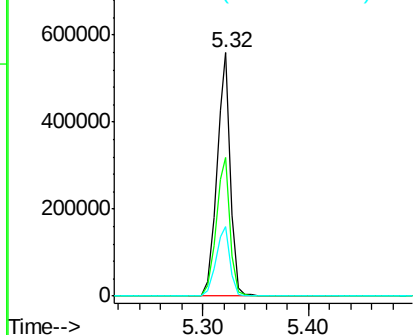
#5

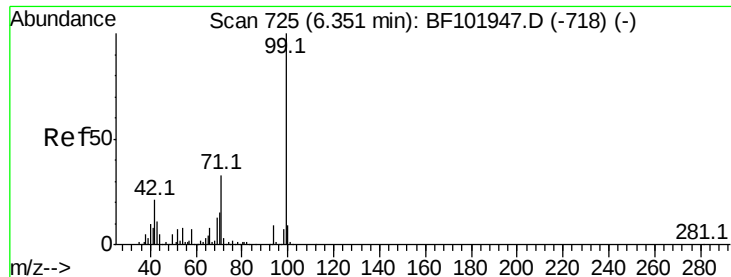
2-Fluorophenol
Concen: 44.870 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.6	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: 44.555 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Instrument :

BNA_F

ClientSampleId :

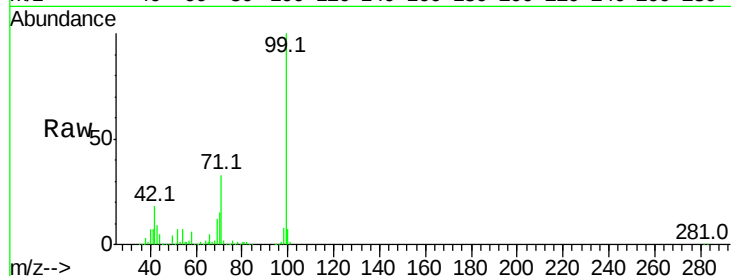
Tot Ion: 99 Resp: 596162

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

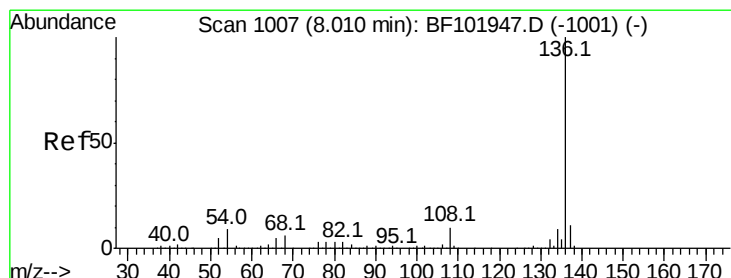
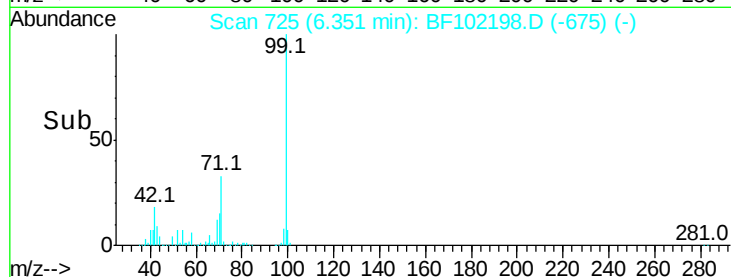
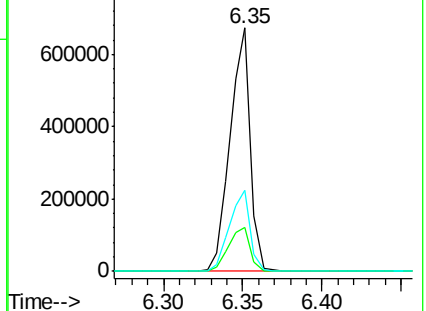
71 33.3 25.4 38.0



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: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Tgt Ion: 136 Resp: 635755

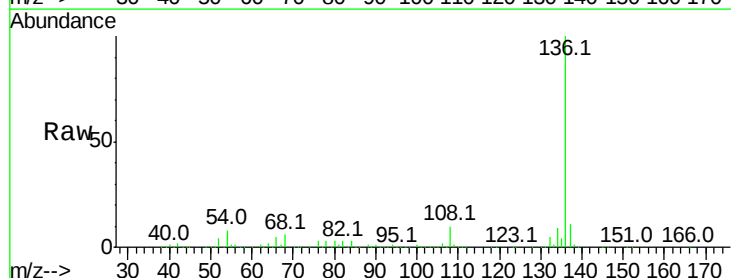
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.5 6.6 9.8

68 5.6 5.0 7.4

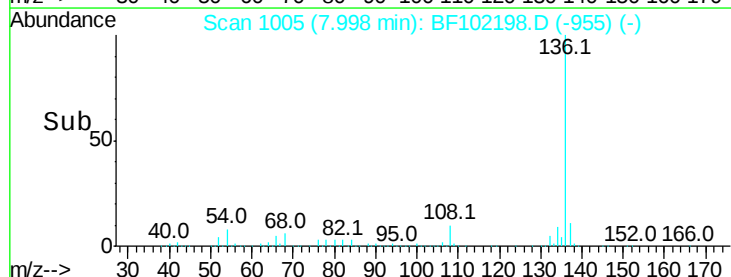
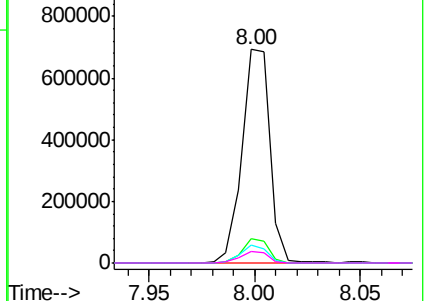


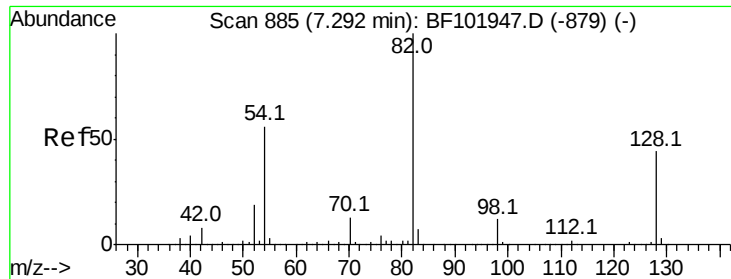
Abundance Ion 136.00 (135.70 to 136.70): E

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

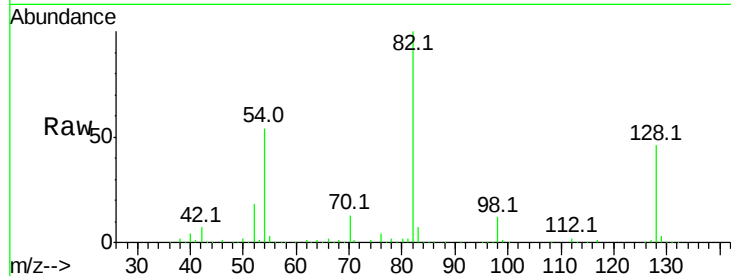




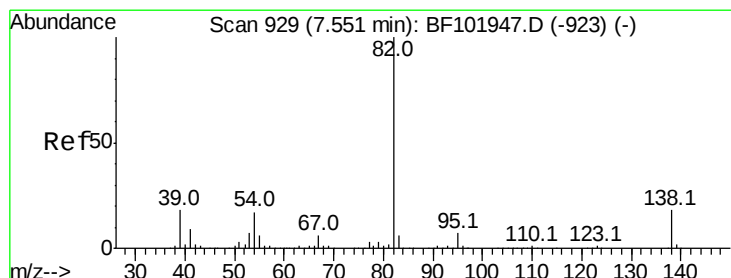
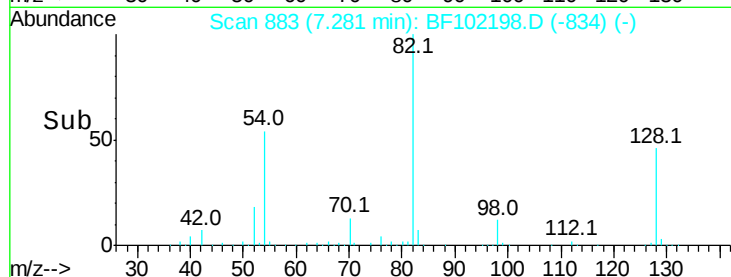
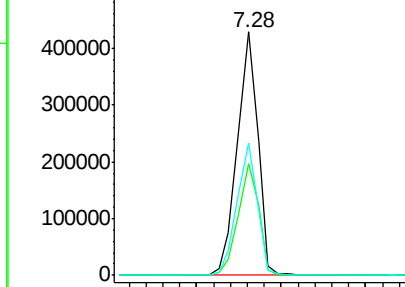
#23
Nitrobenzene-d5
Concen: 33.491 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	362330
Ion Ratio	Lower	Upper	
82	100		
128	46.0	36.1	54.1
54	54.2	41.4	62.2

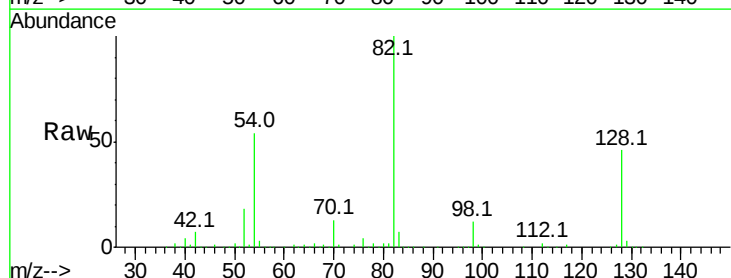


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

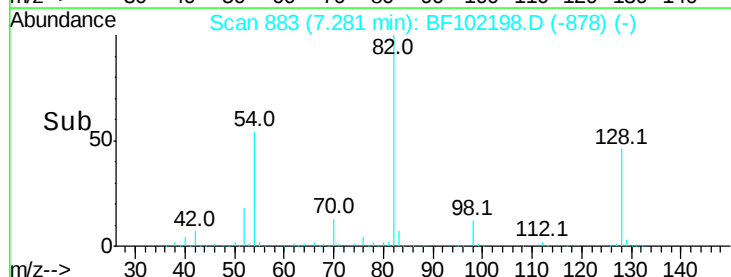
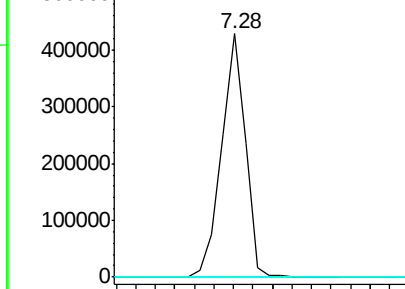


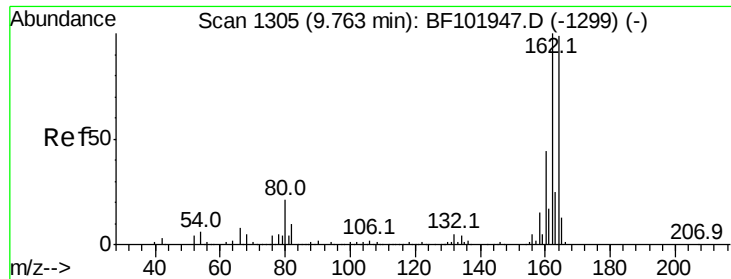
#25
Isophorone
Concen: 16.906 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.27 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion	82	Resp	361404
Ion Ratio	Lower	Upper	
82	100		
95	0.2	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

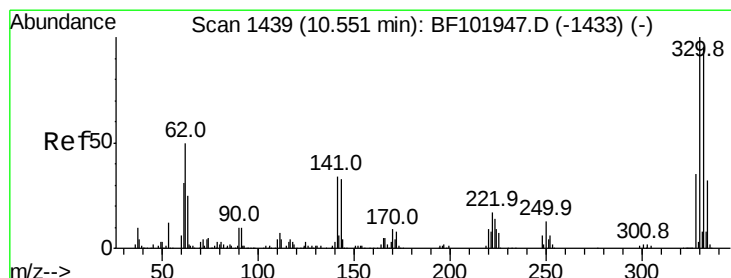
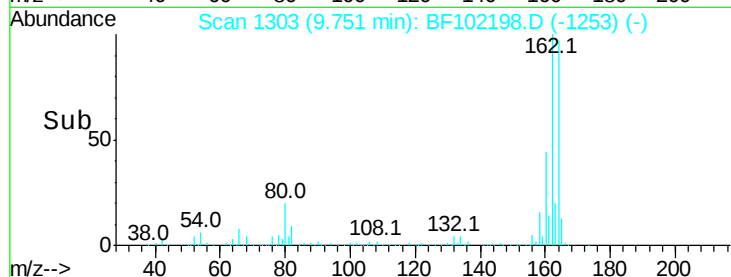
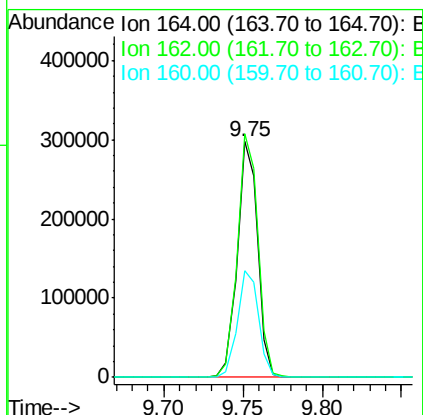
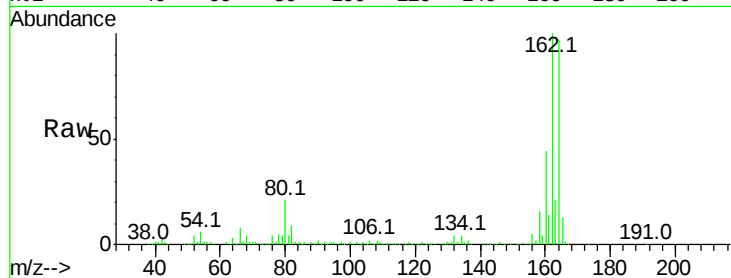




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

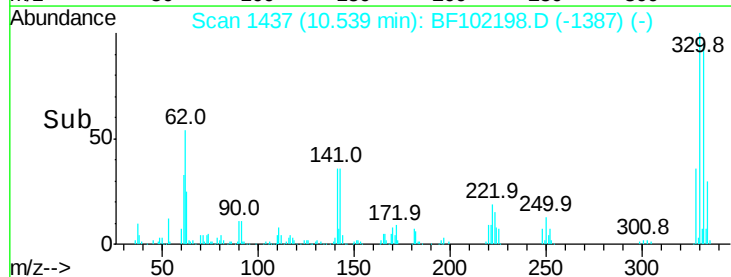
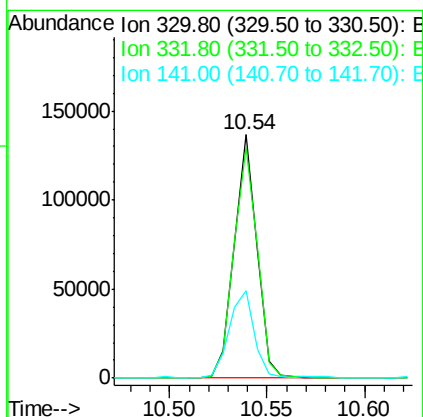
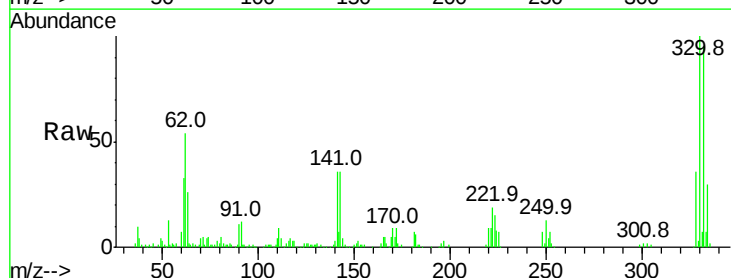
Instrument :
BNA_F
ClientSampleId :

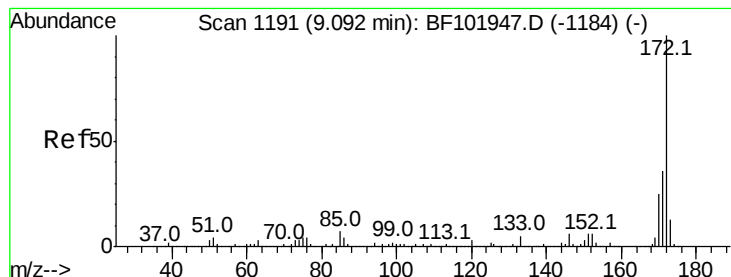
Tot Ion:164 Resp: 263745
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 45.1 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 47.993 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion:330 Resp: 110463
Ion Ratio Lower Upper
330 100
332 98.4 77.0 115.6
141 38.8 29.9 44.9

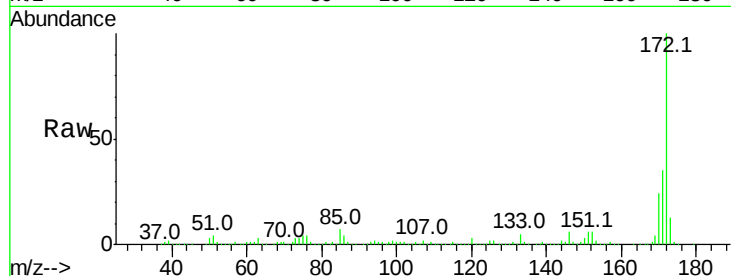




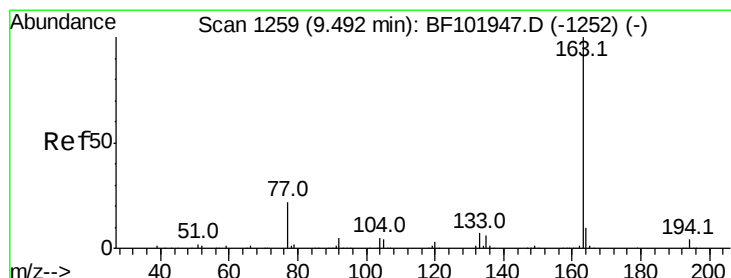
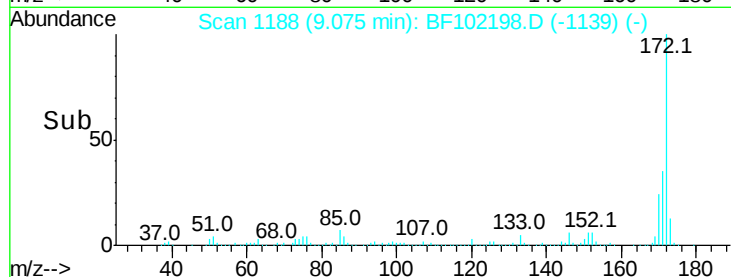
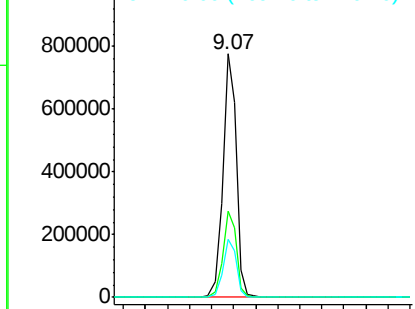
#44
 2-Fluorobiphenyl
 Concen: 39.075 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 659671
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.9 19.6 29.4

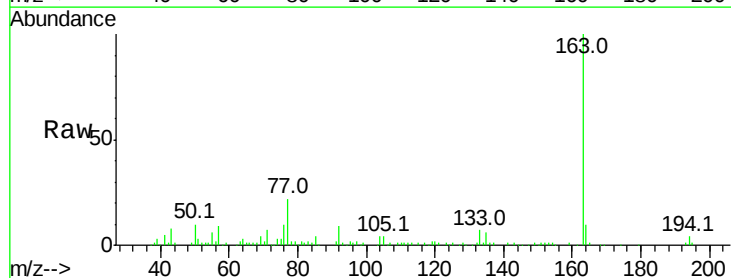


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

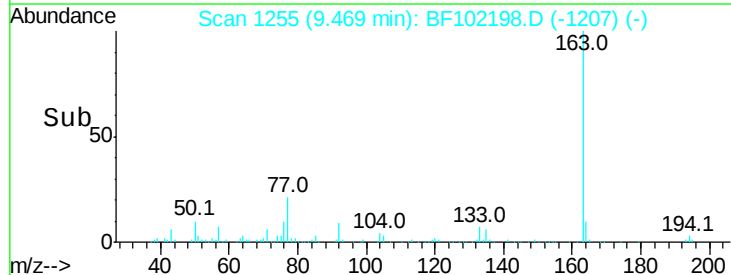
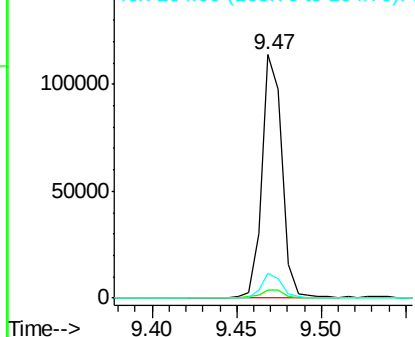


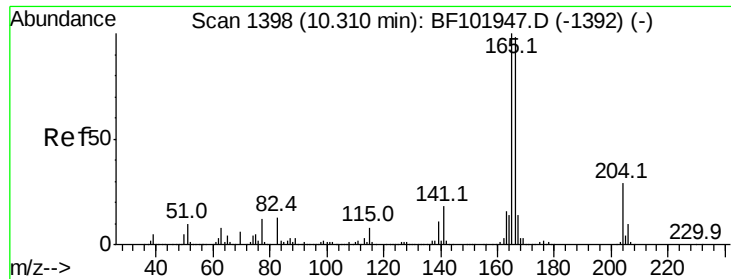
#49
 Dimethylphthalate
 Concen: 4.462 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.02 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Tgt Ion:163 Resp: 94406
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.7 4.1
 164 10.0 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

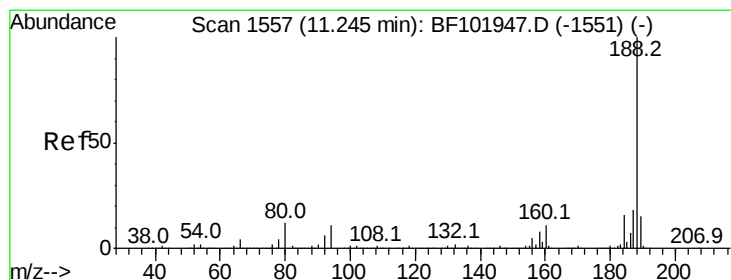
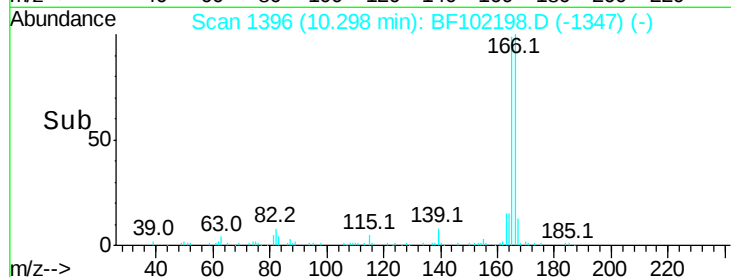
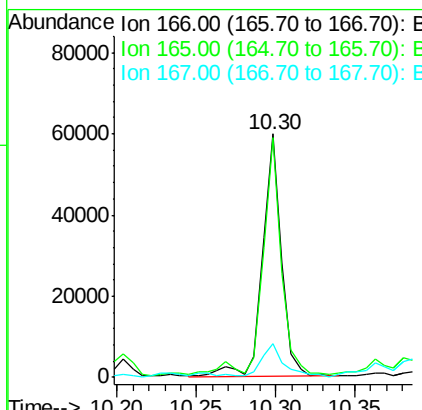
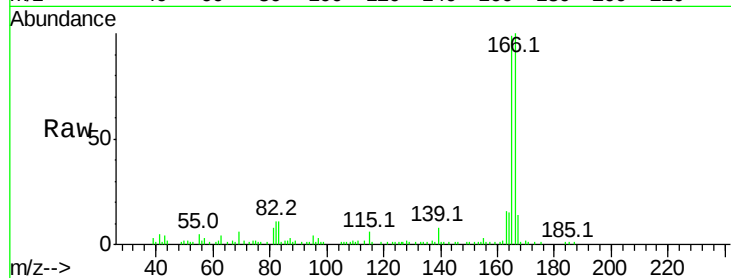




#57
Fluorene
 Concen: 3.033 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

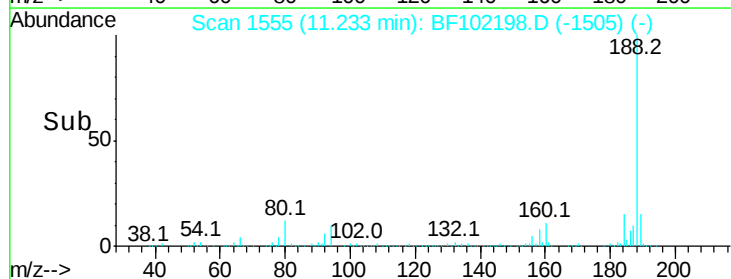
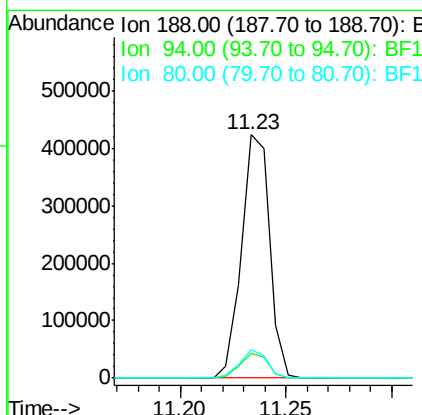
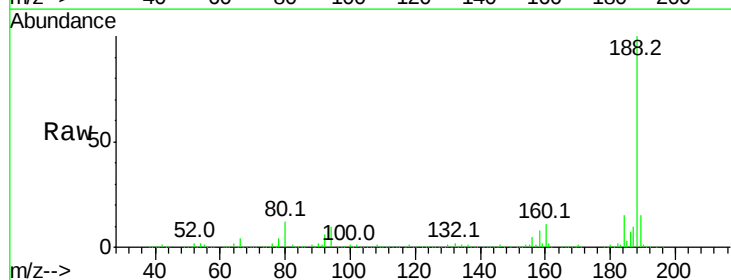
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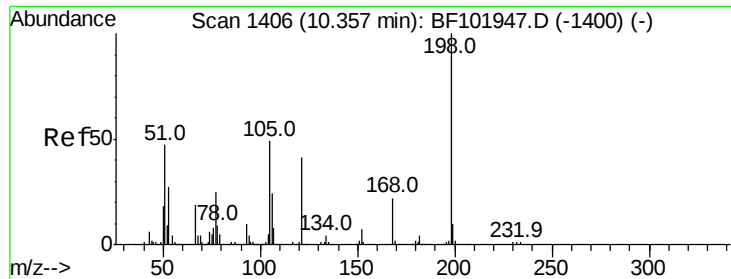
Tot Ion:166 Resp: 50101
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.8 119.8
 167 13.8 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Tgt Ion:188 Resp: 391547
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 11.9 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.762 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.21 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Instrument :

BNA_F

ClientSampleId :

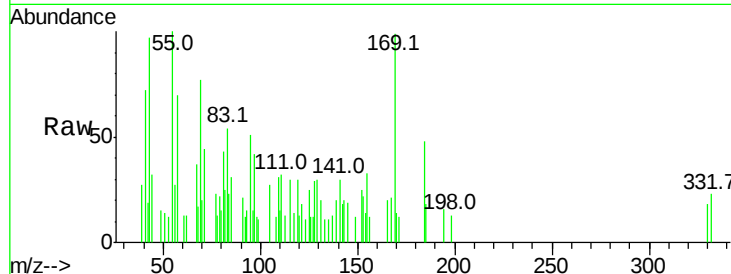
Tot Ion:198 Resp: 241

Ion Ratio Lower Upper

198 100

51 115.7 37.7 77.7#

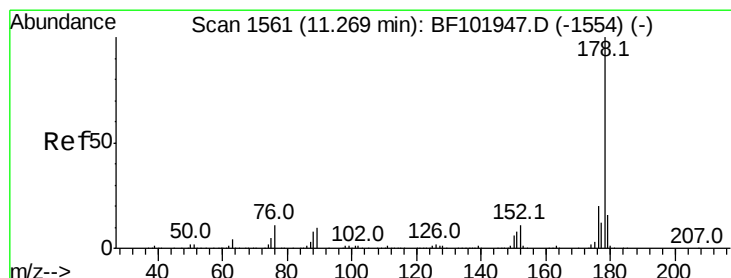
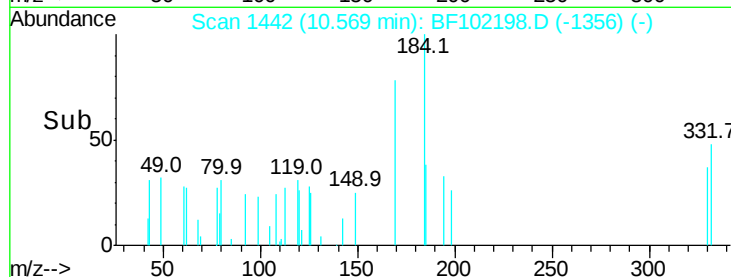
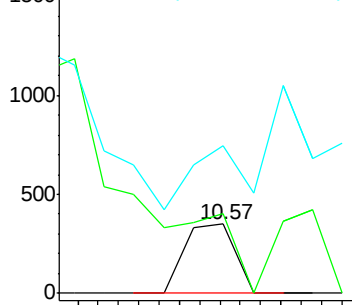
105 213.1 36.3 76.3#



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



#70

Phenanthrene

Concen: 17.384 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

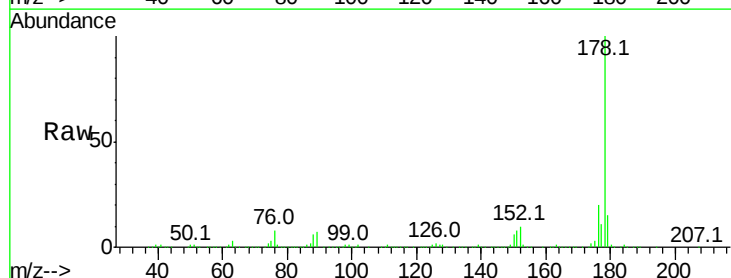
Tgt Ion:178 Resp: 397606

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

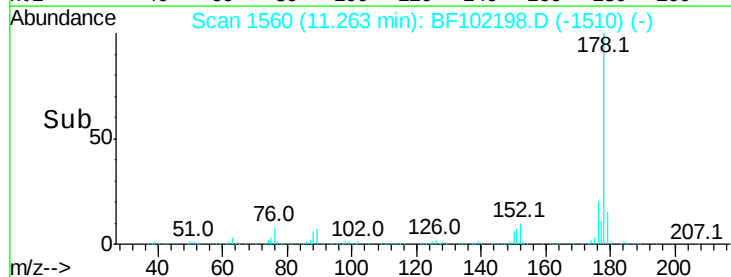
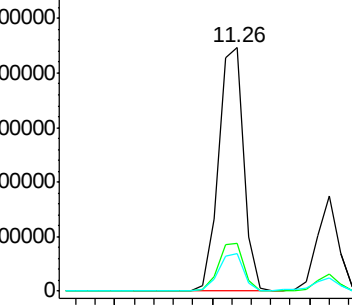
179 15.2 13.0 19.6

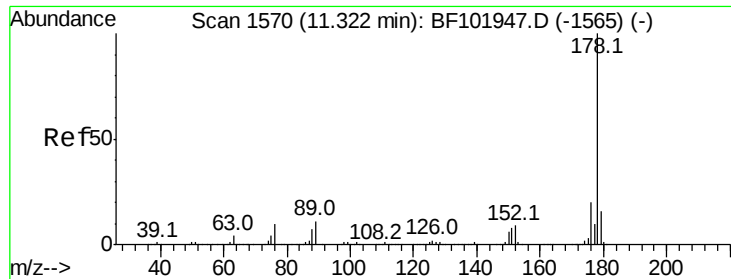


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

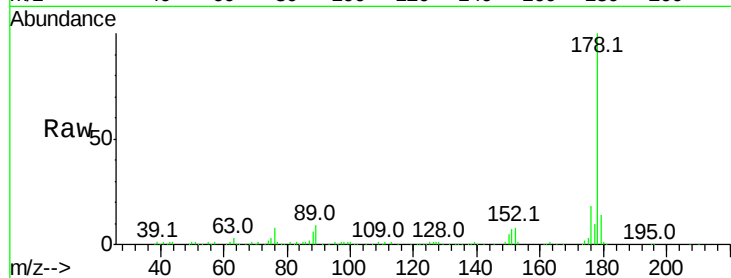




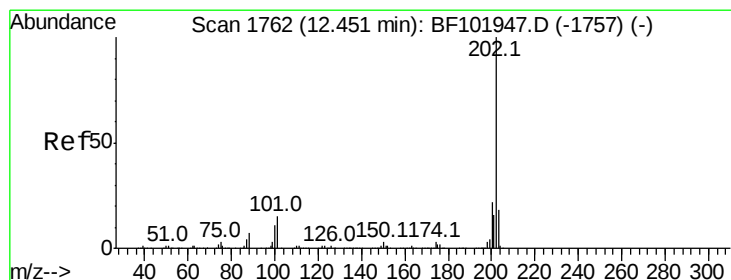
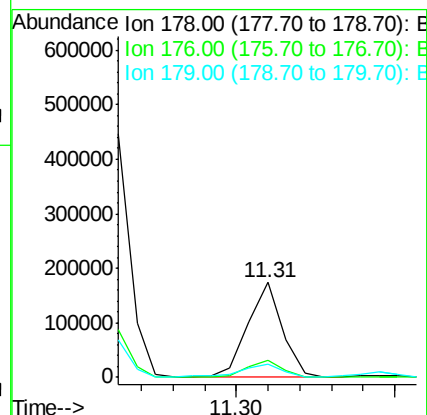
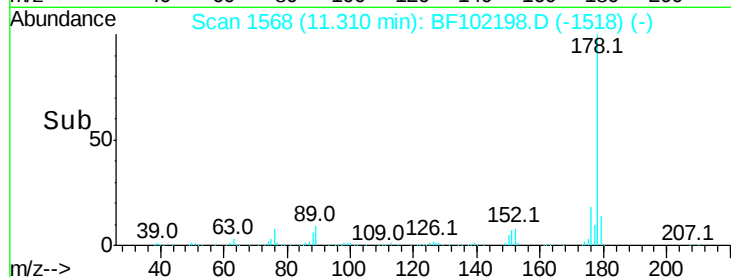
#71
 Anthracene
 Concen: 5.567 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 129138
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 14.3 12.6 19.0

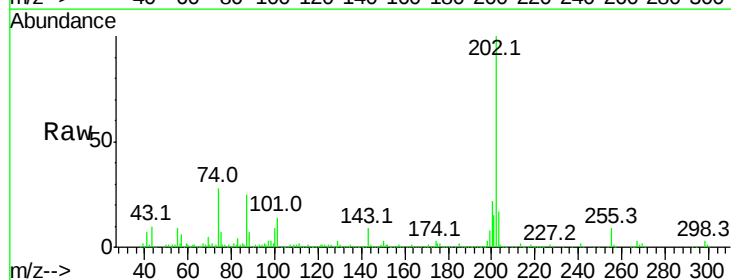


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

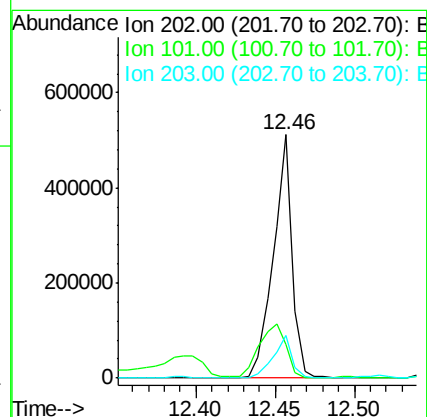
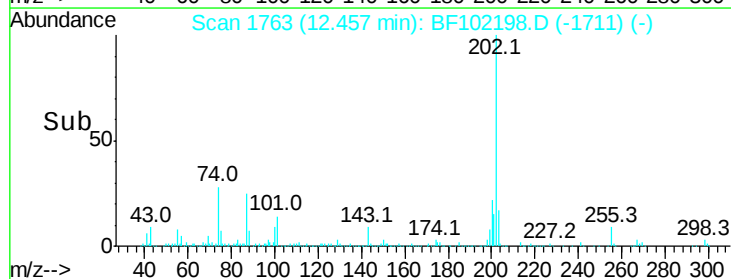


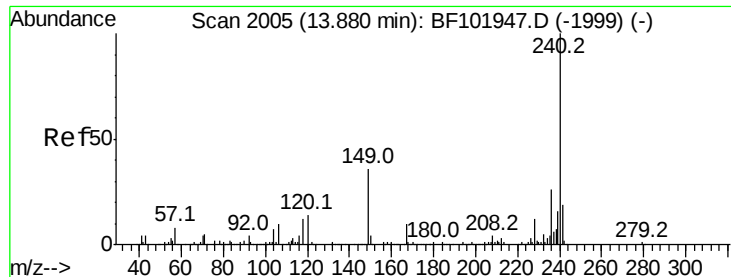
#74
 Fluoranthene
 Concen: 19.049 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Tgt Ion:202 Resp: 428661
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 34.1
 203 17.3 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: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Instrument :

BNA_F

ClientSampleId :

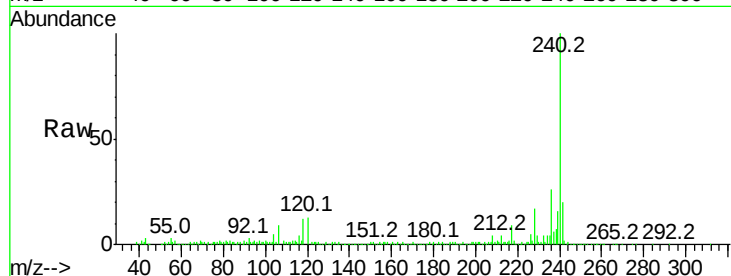
Tot Ion:240 Resp: 271161

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

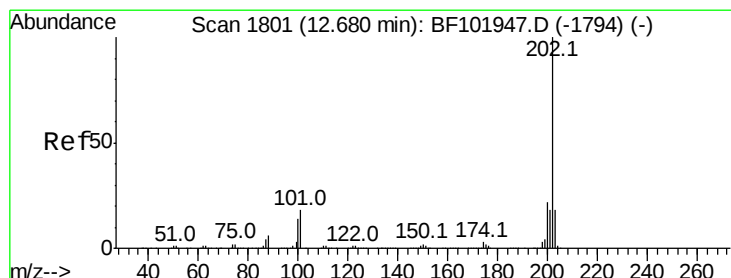
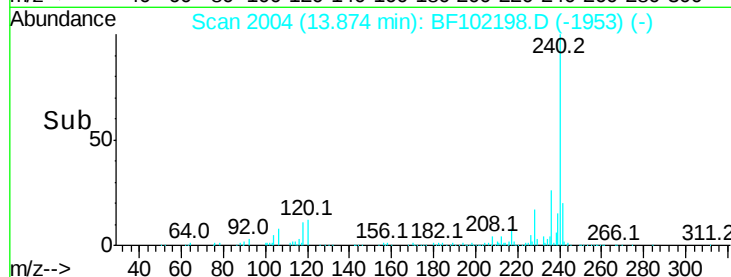
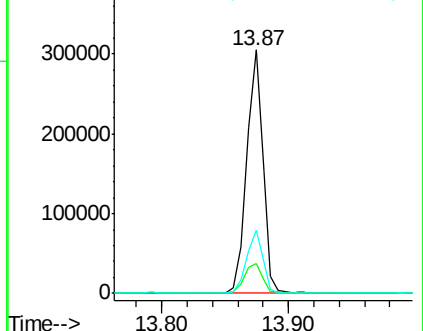
236 26.1 20.7 31.1



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: 24.185 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

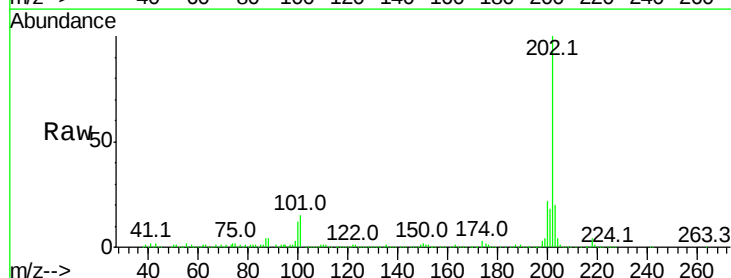
Tgt Ion:202 Resp: 579698

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

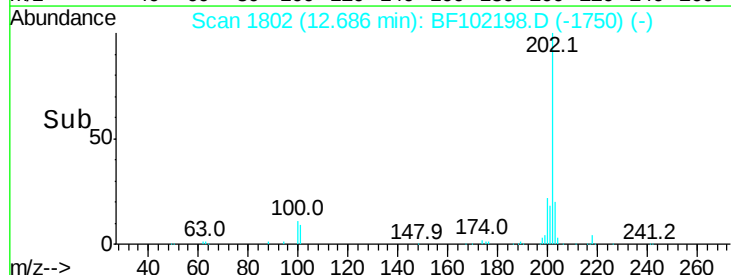
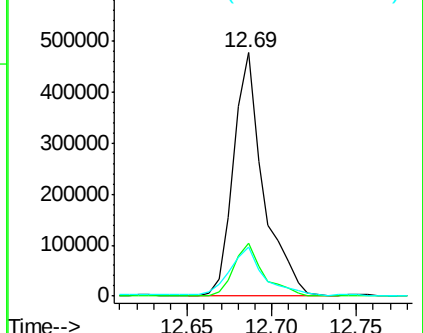
203 20.1 14.3 21.5

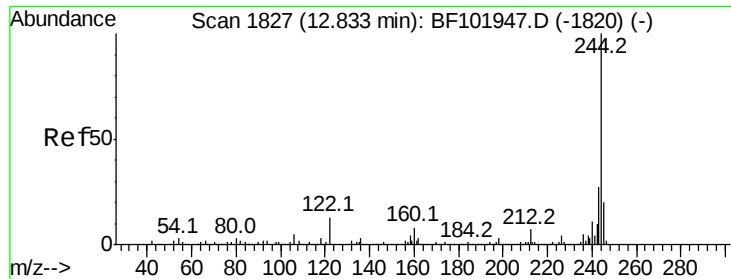


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

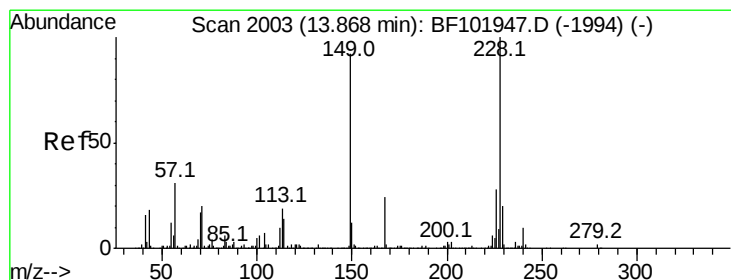
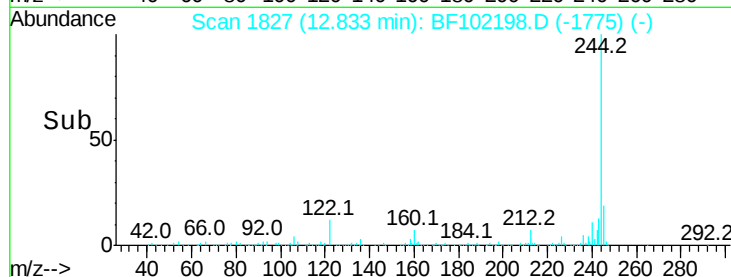
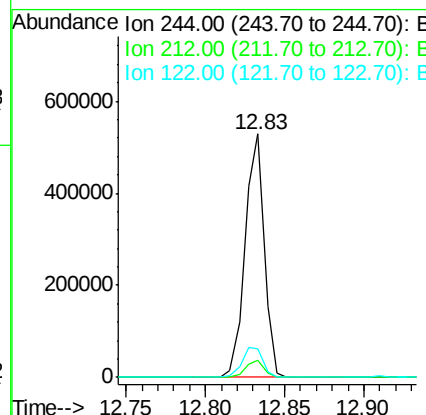
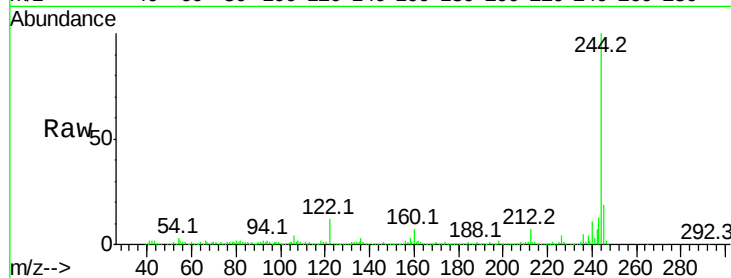




#78
 Terphenyl-d14
 Concen: 33.747 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

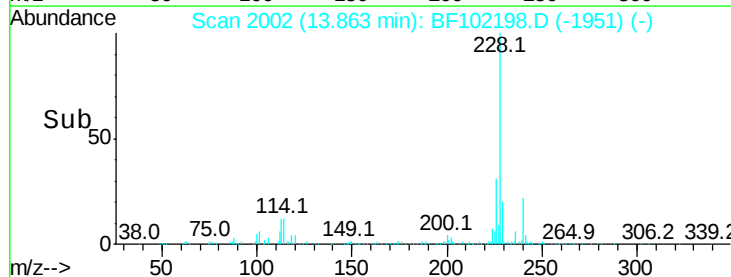
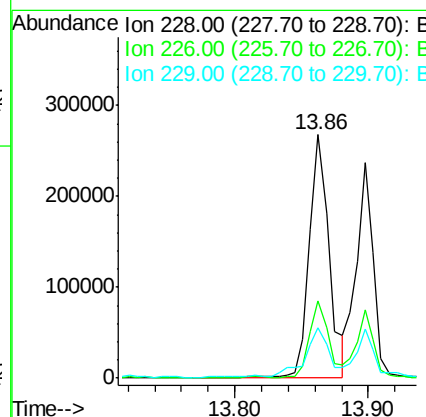
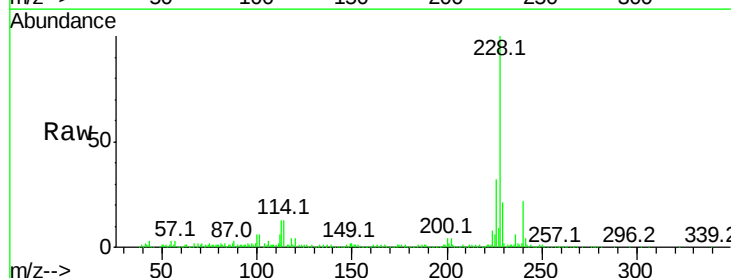
Instrument :
 BNA_F
 ClientSampleId :

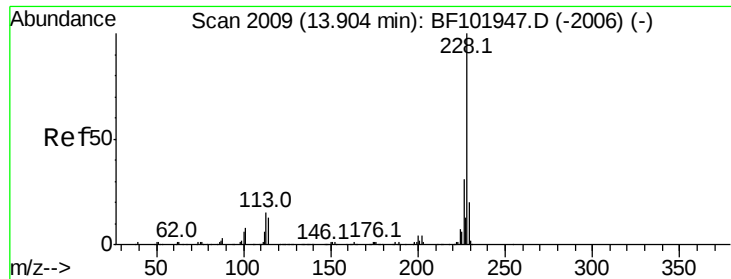
Tot Ion:244 Resp: 440739
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 15.671 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Tgt Ion:228 Resp: 271123
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.6 33.8
 229 20.6 15.8 23.6

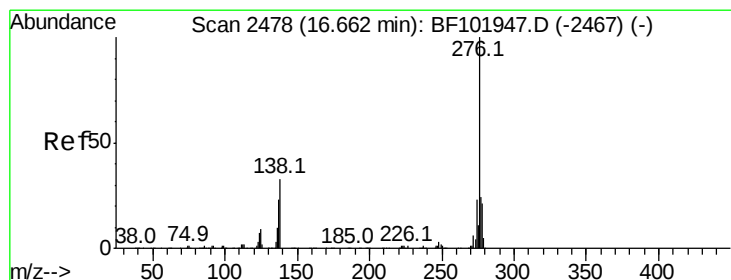
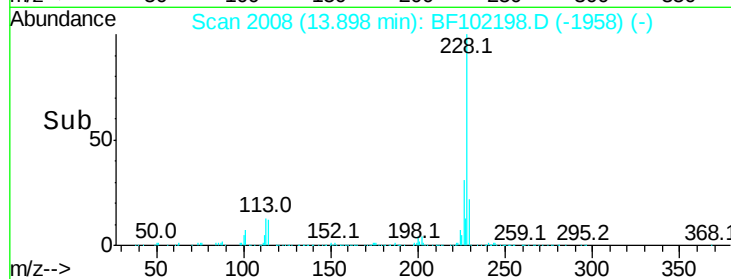
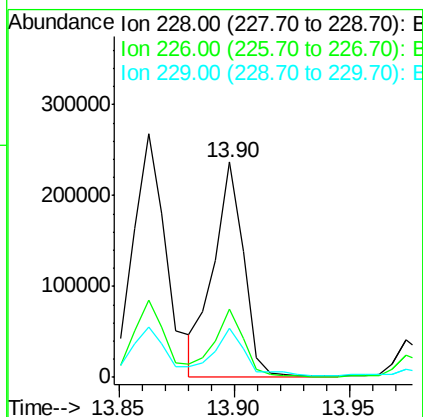
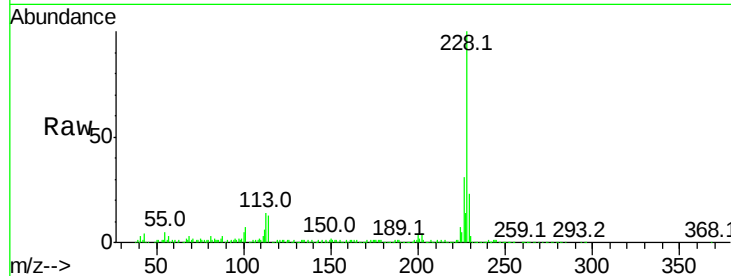




#82
Chrysene
Concen: 11.797 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

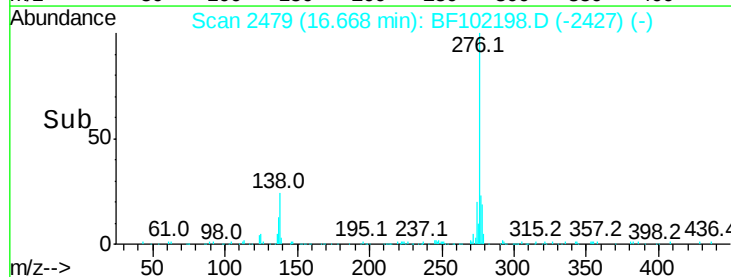
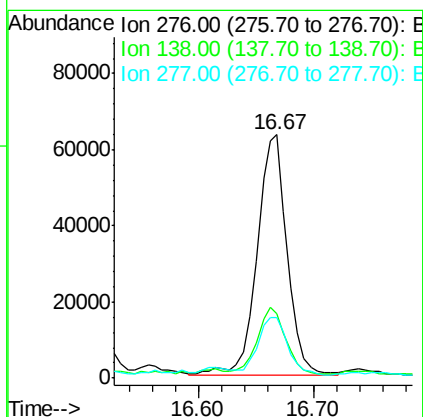
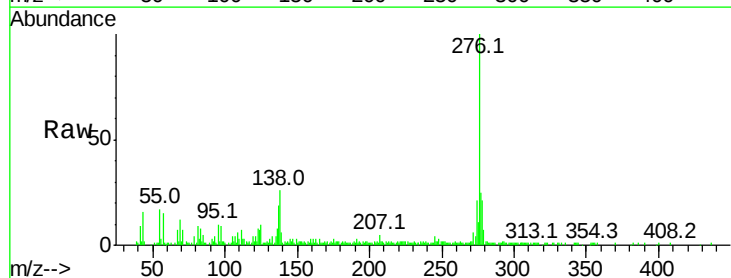
Instrument :
BNA_F
ClientSampleId :

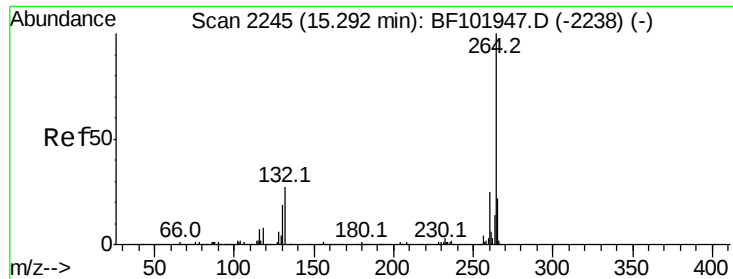
Tot Ion:228 Resp: 212820
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 22.8 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.711 ng
RT: 16.67 min Scan# 2479
Delta R.T. 0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion:276 Resp: 114371
Ion Ratio Lower Upper
276 100
138 26.7 25.0 37.6
277 24.1 20.1 30.1



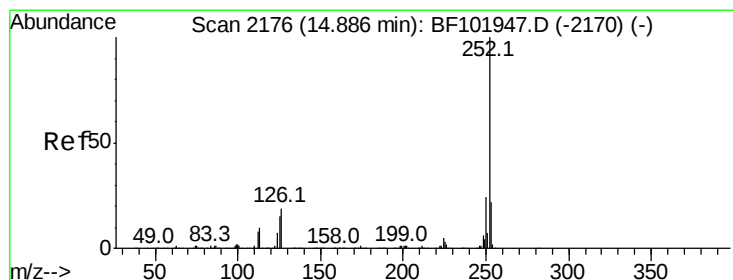
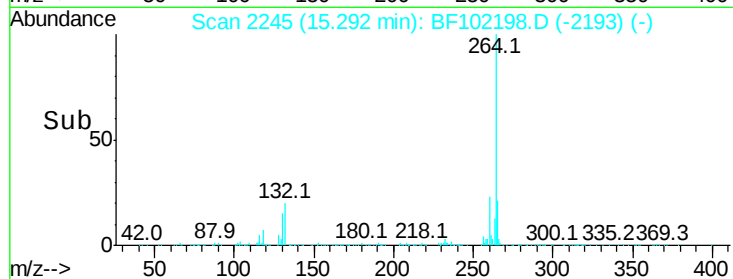
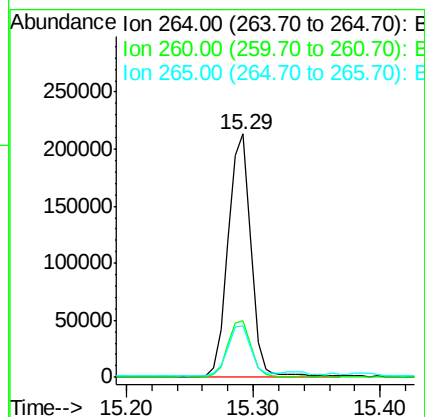
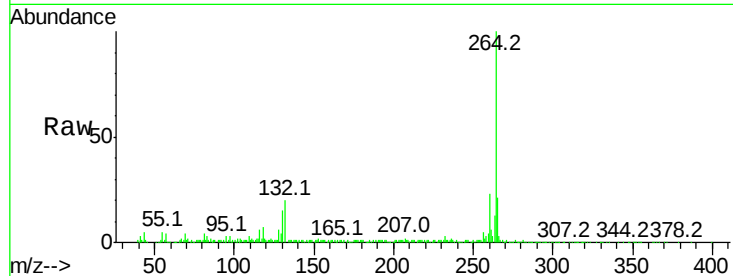


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 262782

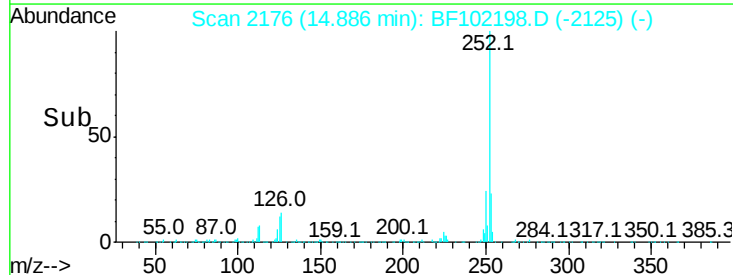
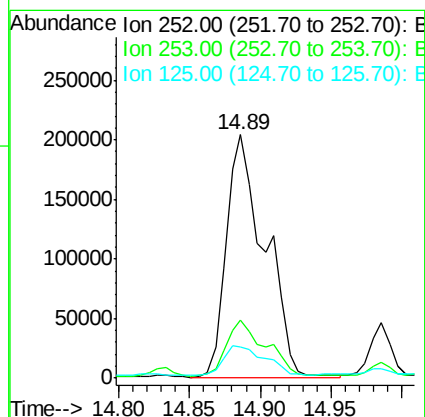
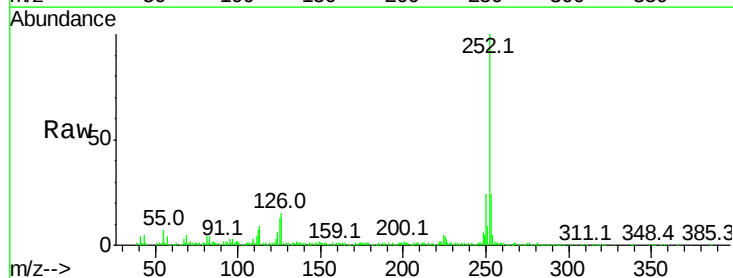
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	17.5	26.3

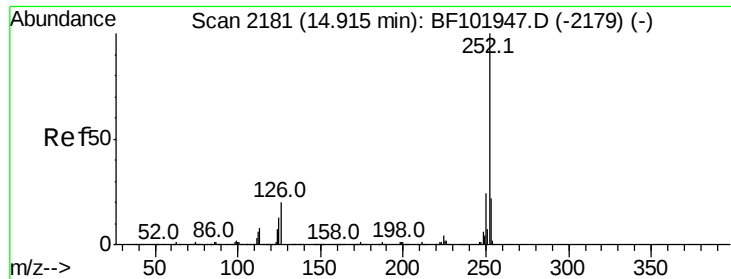


#87
Benzo(b)fluoranthene
Concen: 22.520 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion:252 Resp: 385865

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	12.8	9.0	13.6

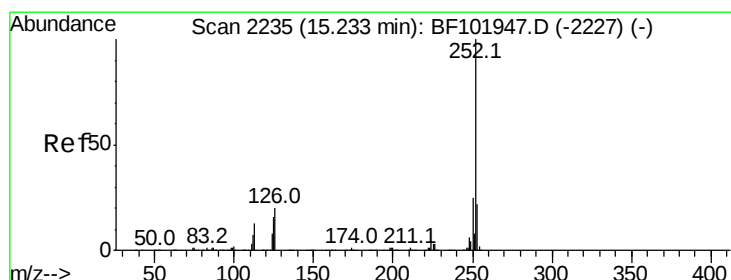
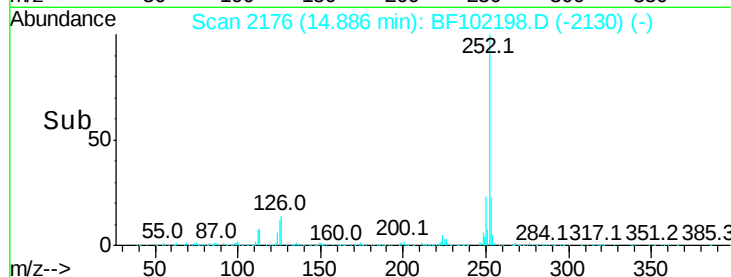
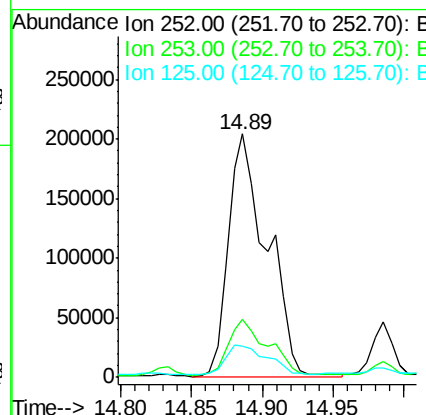
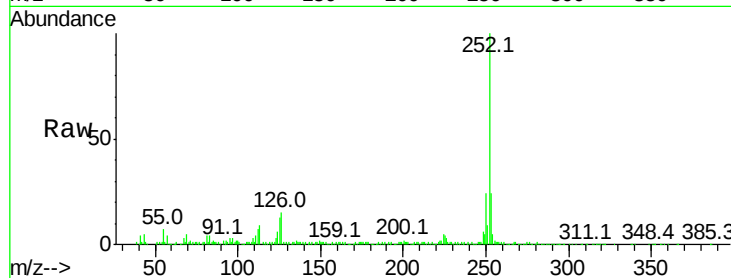




#88
Benzo(k)fluoranthene
Concen: 23.345 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

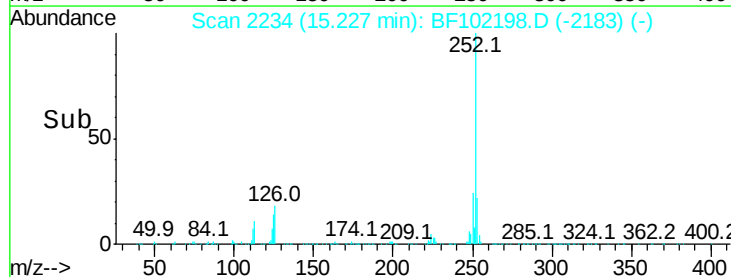
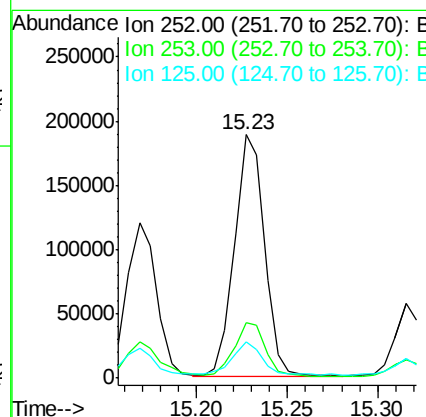
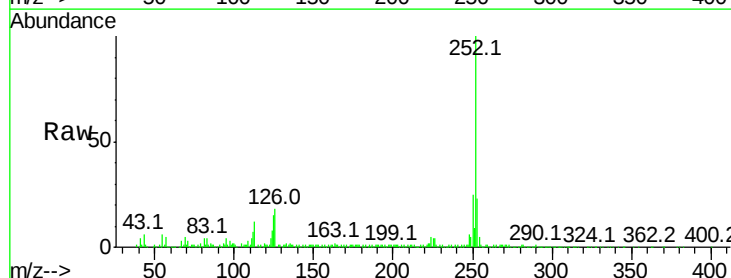
Instrument :
BNA_F
ClientSampleId :

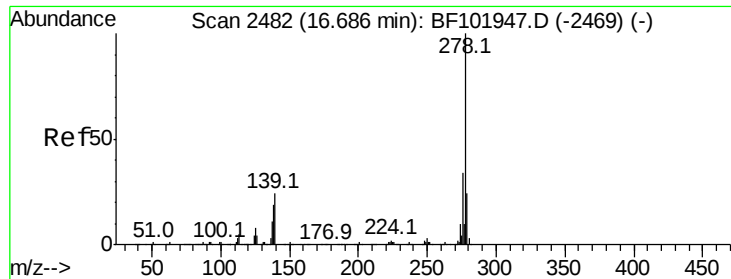
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	12.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 14.087 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.9	9.8	14.6

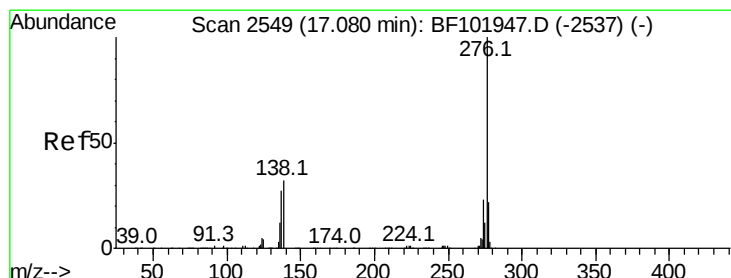
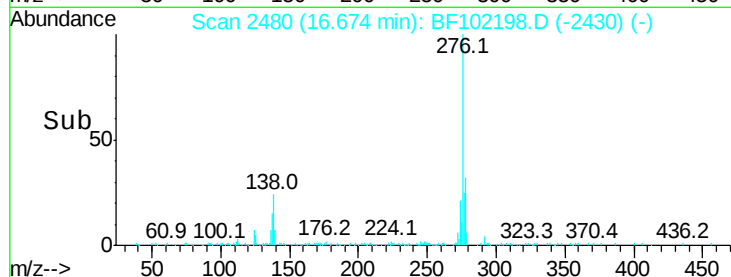
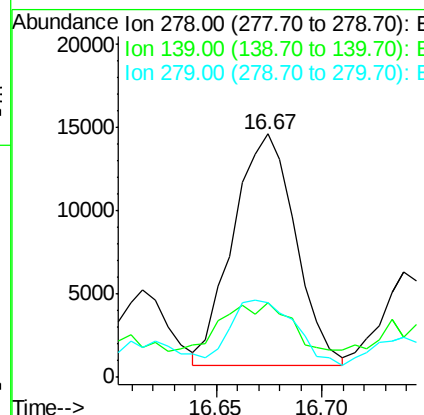
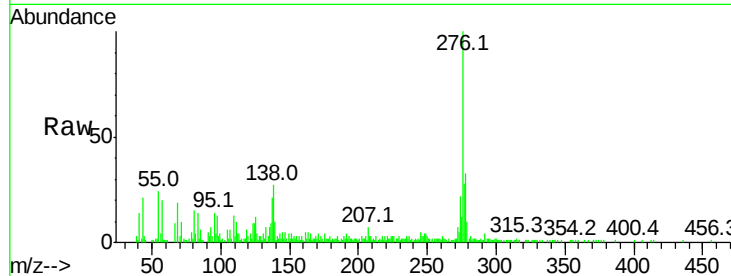




#90
Dibenzo(a,h)anthracene
Concen: 2.321 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 28560
Ion Ratio Lower Upper
278 100
139 30.7 15.9 23.9#
279 30.6 19.0 28.4#



#91
Benzo(g,h,i)perylene
Concen: 8.768 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion:276 Resp: 108676
Ion Ratio Lower Upper
276 100
277 23.7 17.9 26.9
138 28.7 21.8 32.8

