

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103417.D
 Acq On : 5 Mar 2018 19:10
 Operator : SJ/JU
 Sample : J1756-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 23:52:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	139574	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	574107	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	245978	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	386449	20.00	ng	0.00
75) Chrysene-d12	14.07	240	241205	20.00	ng	0.00
86) Perylene-d12	15.58	264	206787	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	401238	43.48	ng	0.00
7) Phenol-d6	6.51	99	523421	46.35	ng	-0.01
23) Nitrobenzene-d5	7.43	82	318853	31.72	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	64476	30.97	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	487400	28.24	ng	0.00
78) Terphenyl-d14	12.99	244	334976	33.38	ng	0.00

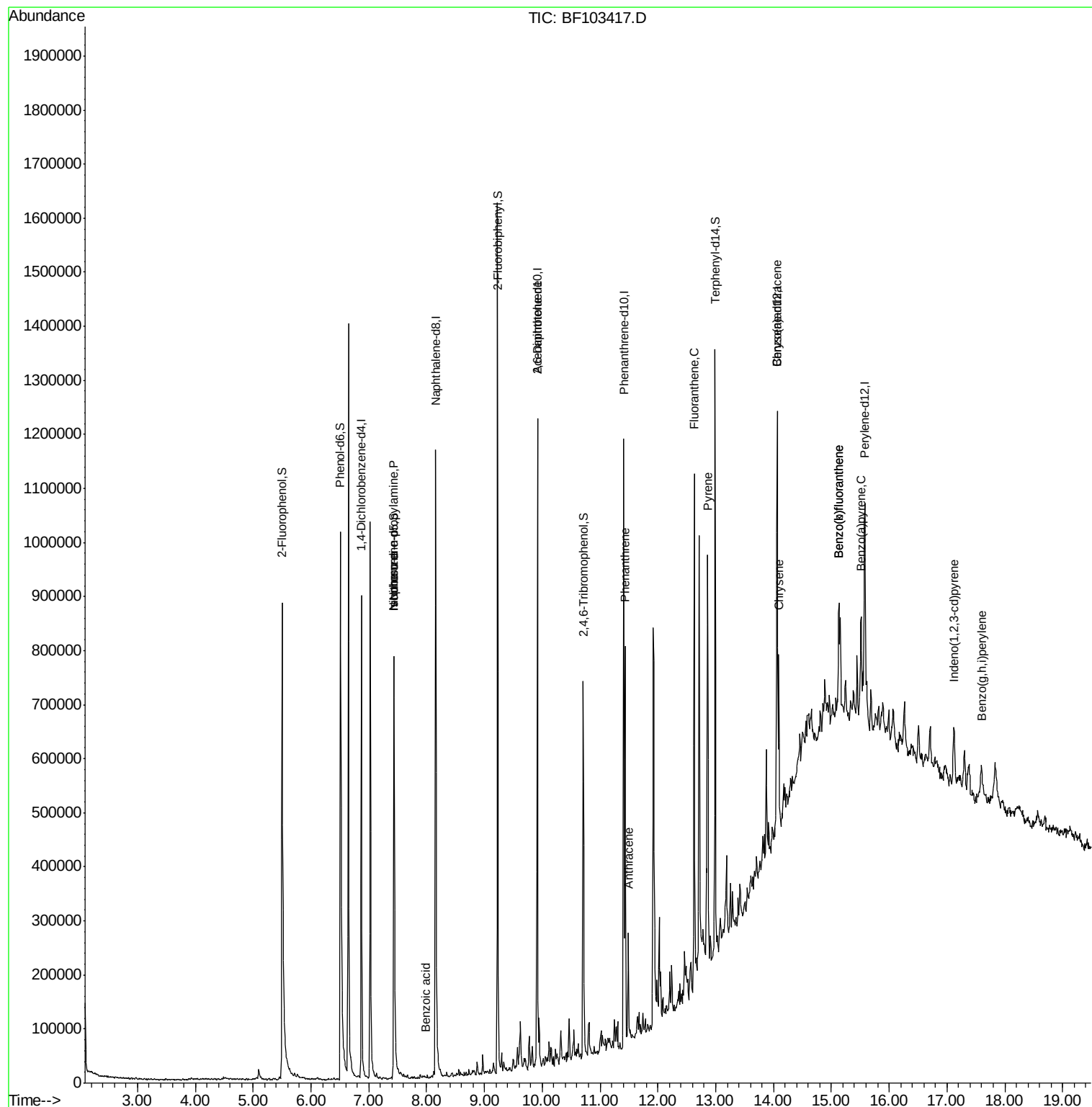
Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	871	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	42926	6.108	ng	86
25) Isophorone	7.43	82	318851	16.104	ng	64
32) Benzoic acid	7.98	122	113	6.930	ng	27
50) 2,6-Dinitrotoluene	9.92	165	33216	8.021	ng	26
70) Phenanthrene	11.43	178	246112	11.572	ng	98
71) Anthracene	11.49	178	77027	3.532	ng	99
74) Fluoranthene	12.63	202	351749	16.459	ng	98
77) Pyrene	12.86	202	312887	16.638	ng	99
80) Benzo(a)anthracene	14.06	228	123526	7.893	ng	98
82) Chrysene	14.09	228	119539	7.866	ng	98
85) Indeno(1,2,3-cd)pyrene	17.13	276	45621	3.792	ng	98
87) Benzo(b)fluoranthene	15.13	252	164564	12.104	ng	86
88) Benzo(k)fluoranthene	15.13	252	164564	12.854	ng	89
89) Benzo(a)pyrene	15.52	252	89212	7.348	ng	89
91) Benzo(g,h,i)perylene	17.60	276	44831	4.889	ng	91

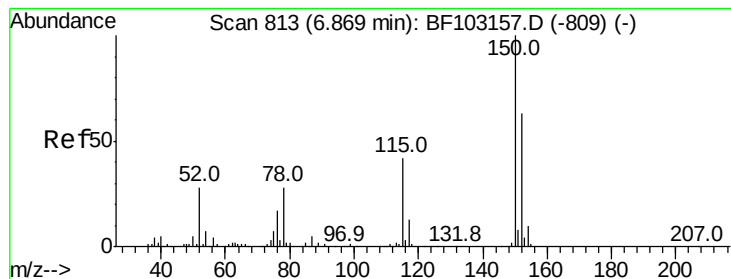
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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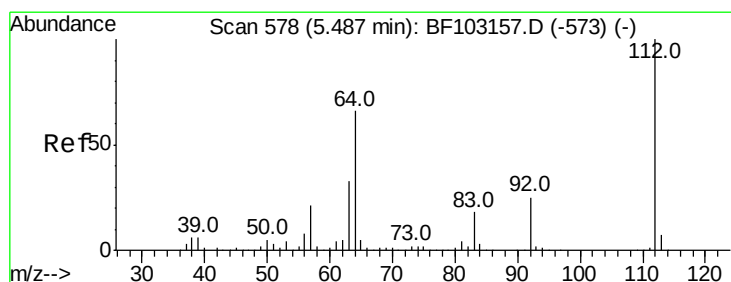
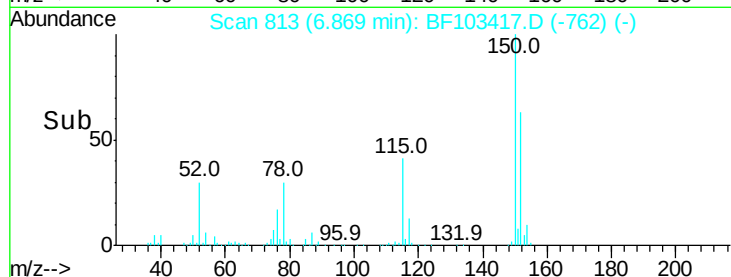
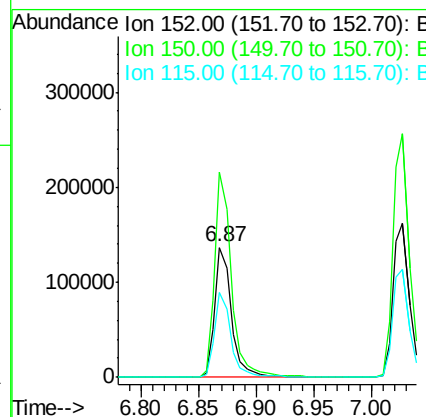
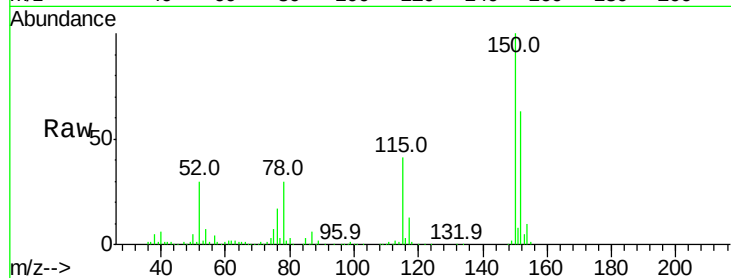


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

Instrument :
BNA_F
ClientSampleId :

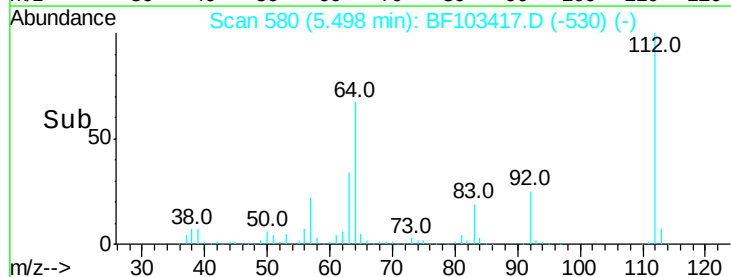
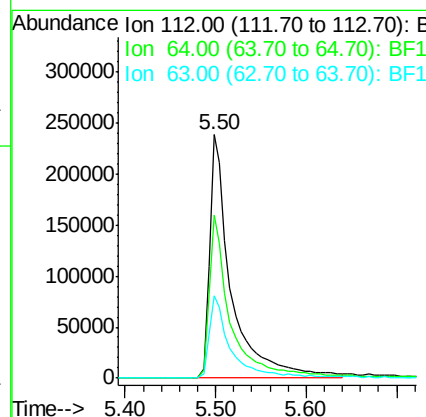
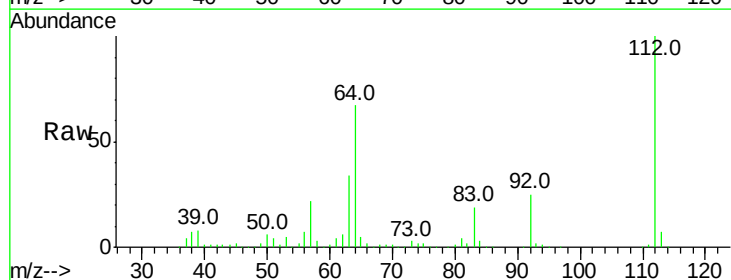
Tot Ion:152 Resp: 139574
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 65.4 50.1 75.1

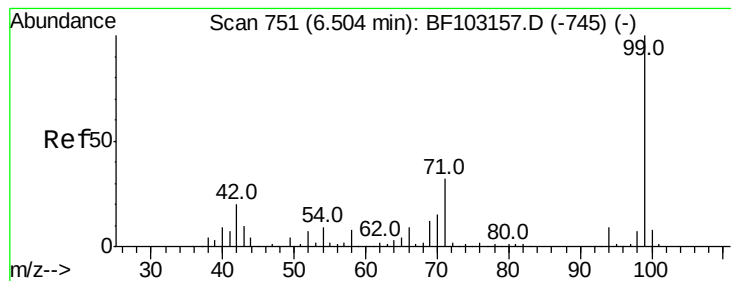


#5

2-Fluorophenol
Concen: 43.478 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

Tgt Ion:112 Resp: 401238
Ion Ratio Lower Upper
112 100
64 67.0 47.9 71.9
63 33.7 23.7 35.5





#7

Phenol-d6

Concen: 46.352 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

Instrument :

BNA_F

ClientSampleId :

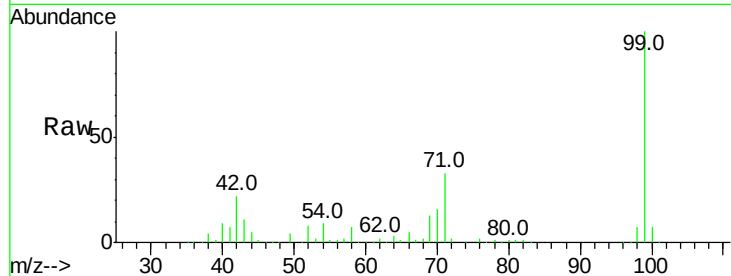
Tot Ion: 99 Resp: 523421

Ion Ratio Lower Upper

99 100

42 22.2 14.5 21.7#

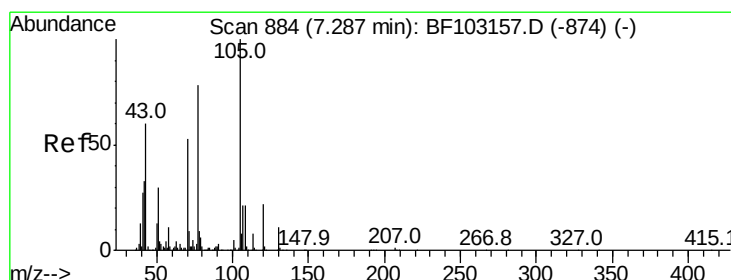
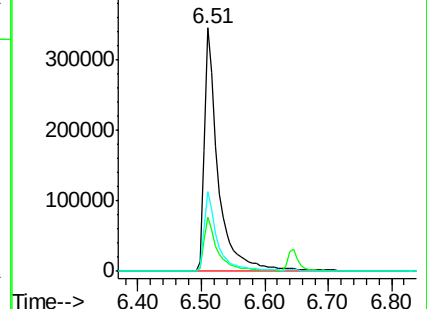
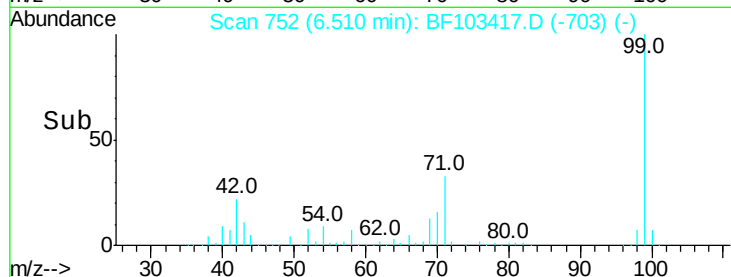
71 33.0 25.4 38.0



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: 6.108 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

Tgt Ion: 70 Resp: 42926

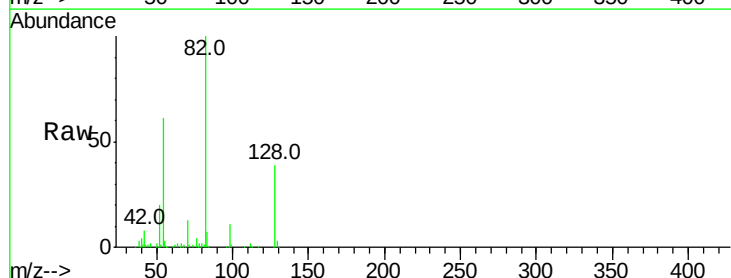
Ion Ratio Lower Upper

70 100

42 57.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

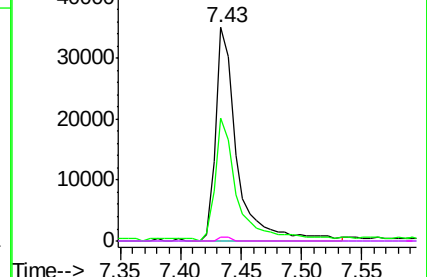
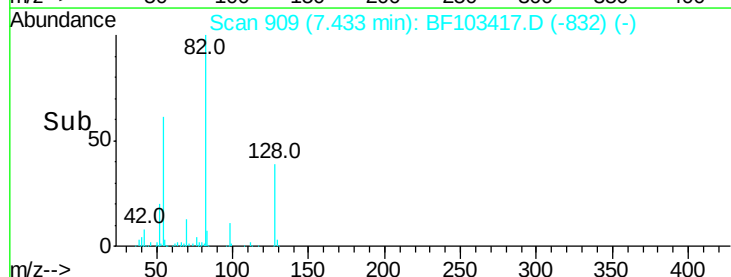


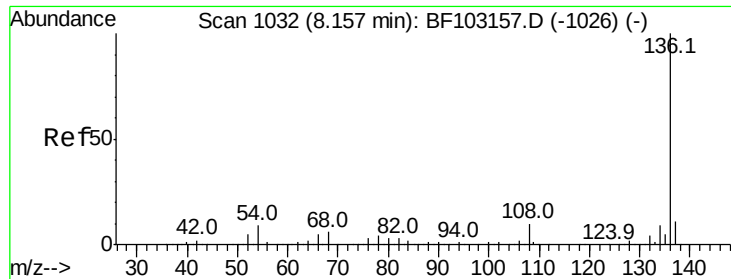
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

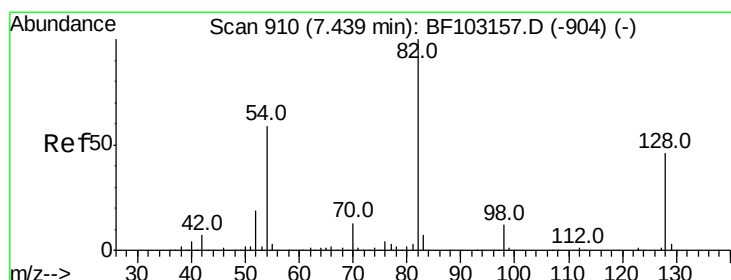
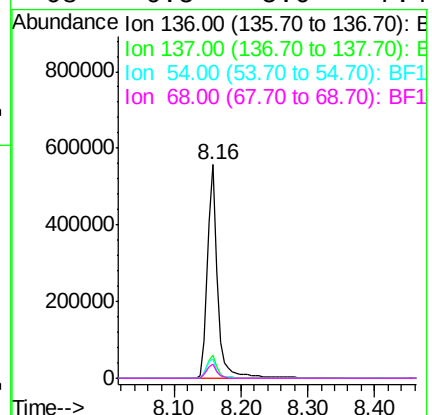
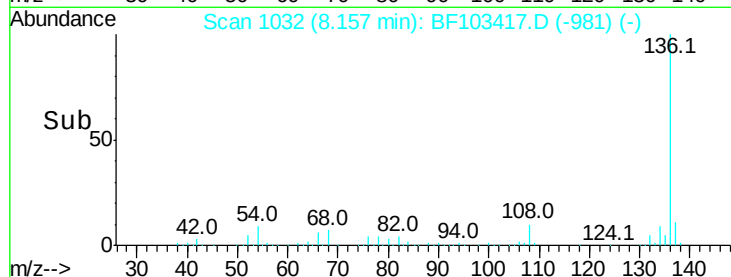
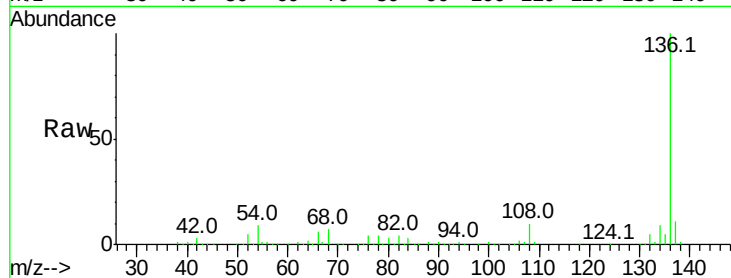




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

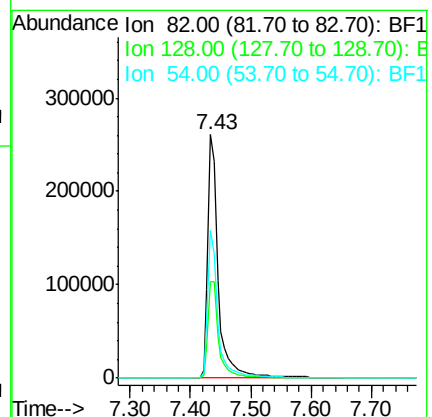
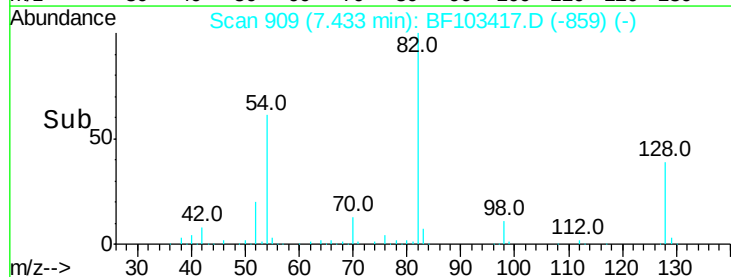
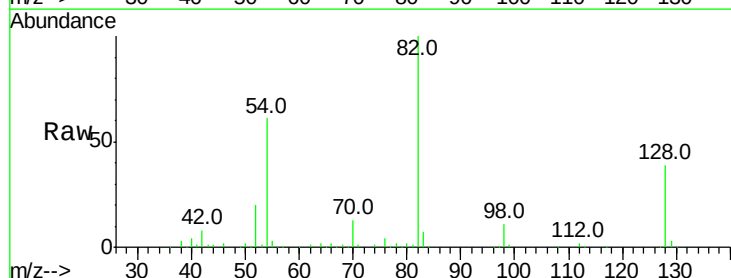
Instrument :
BNA_F
ClientSampleId :

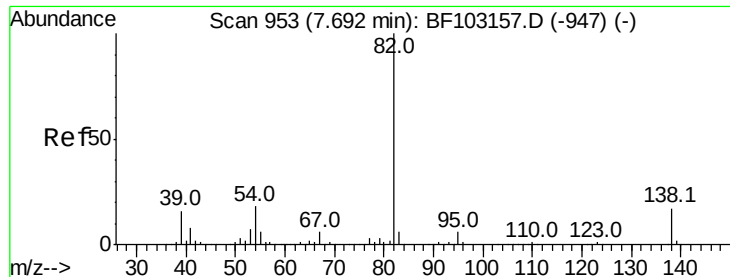
Tot Ion:	136	Resp:	574107
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.3	6.6	9.8
68	6.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 31.717 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

Tgt Ion:	82	Resp:	318853
Ion	Ratio	Lower	Upper
82	100		
128	39.4	36.1	54.1
54	60.5	41.4	62.2





#25

Isophorone

Concen: 16.104 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

Instrument :

BNA_F

ClientSampleId :

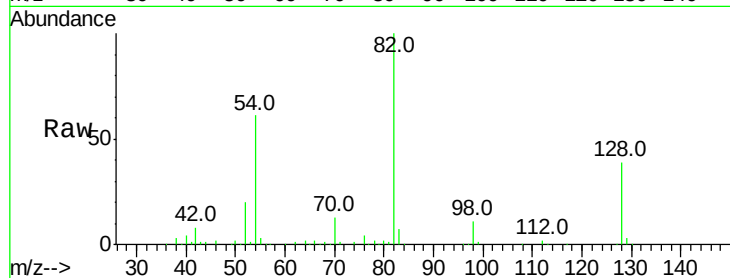
Tot Ion: 82 Resp: 318851

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

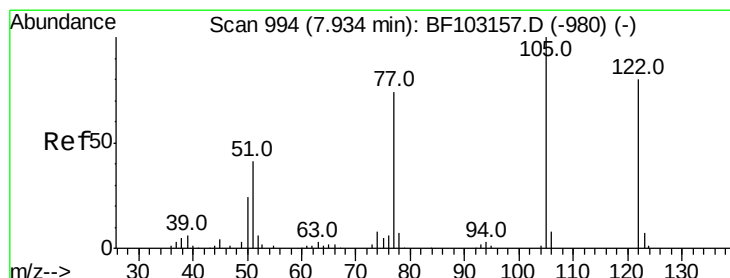
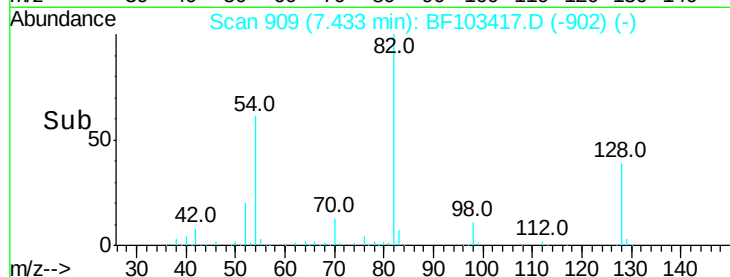
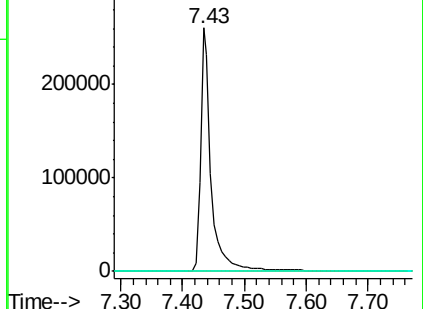
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.930 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.02 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

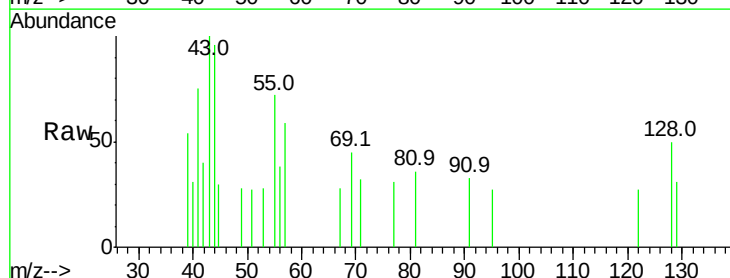
Tgt Ion: 122 Resp: 113

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

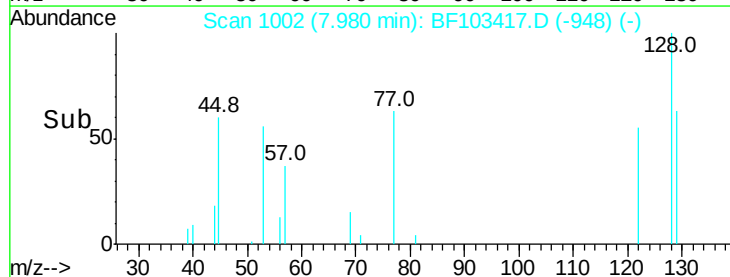
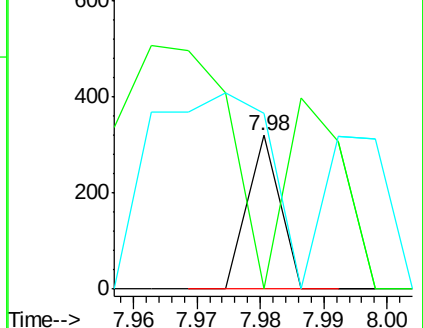
77 114.1 70.7 110.7#

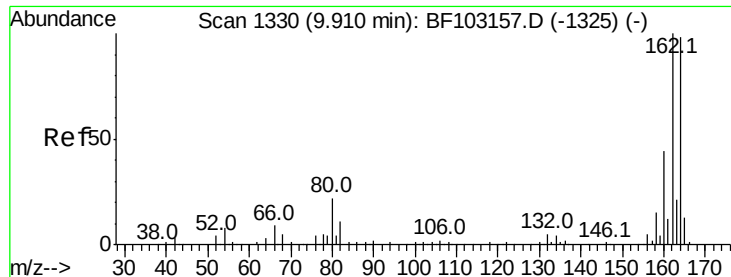


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

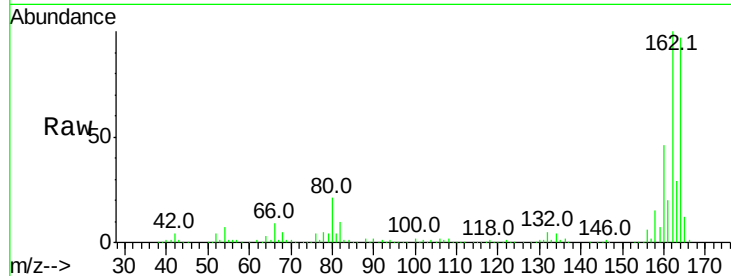




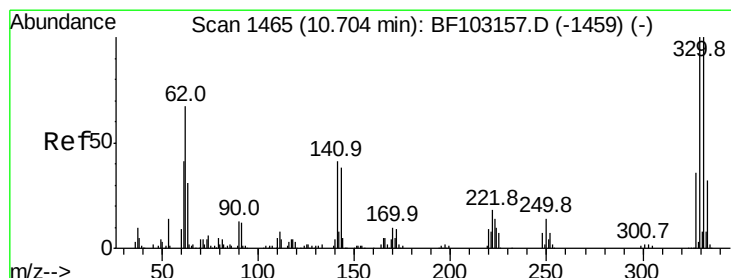
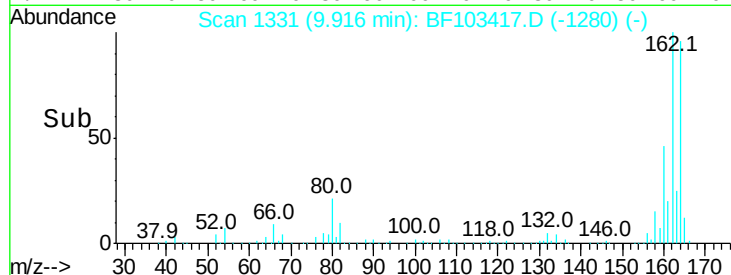
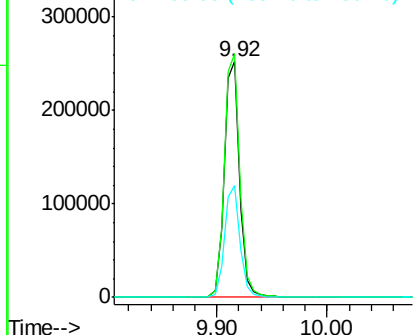
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 245978
Ion Ratio Lower Upper
164 100
162 103.2 86.1 129.1
160 47.5 38.3 57.5

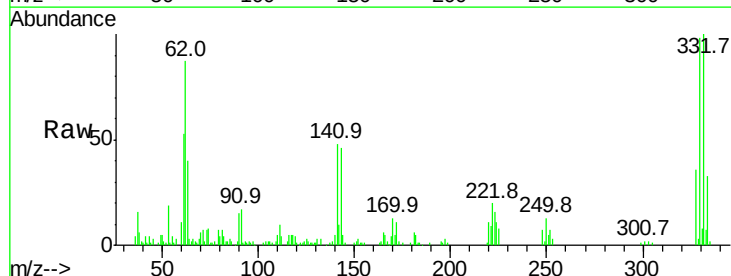


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

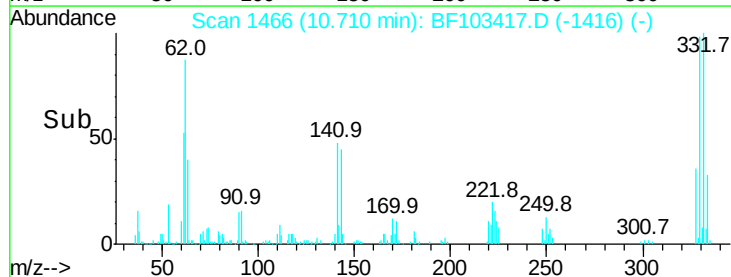
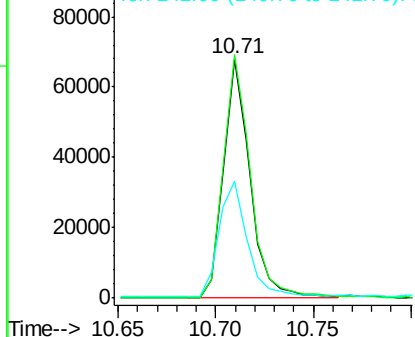


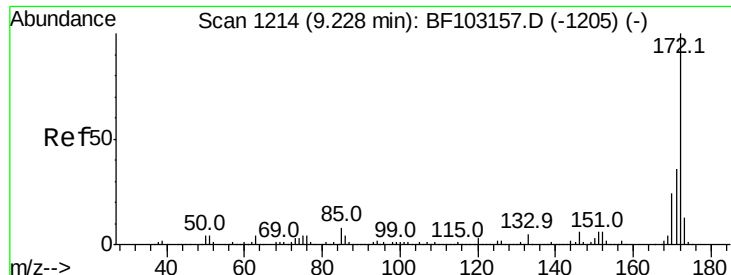
#41
2,4,6-Tribromophenol
Concen: 30.967 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

Tgt Ion:330 Resp: 64476
Ion Ratio Lower Upper
330 100
332 104.0 77.0 115.6
141 52.0 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

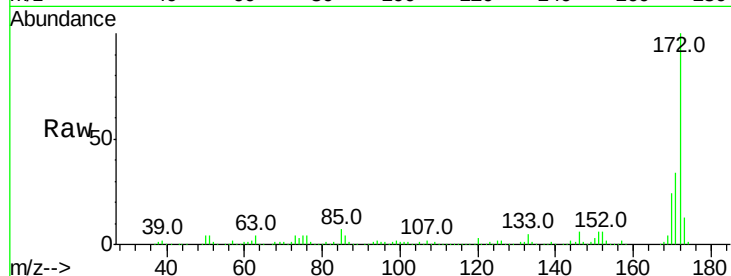




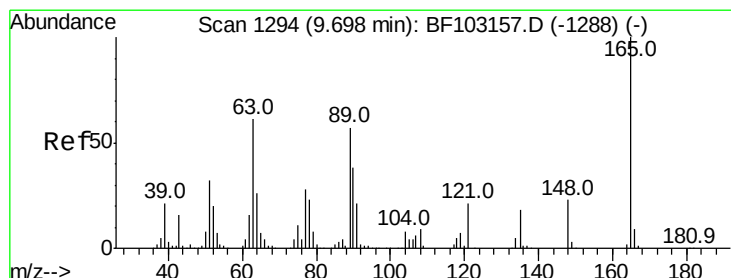
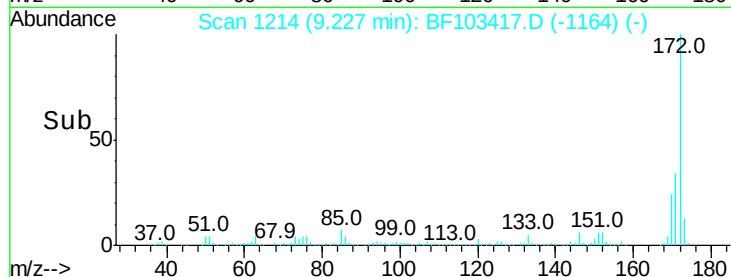
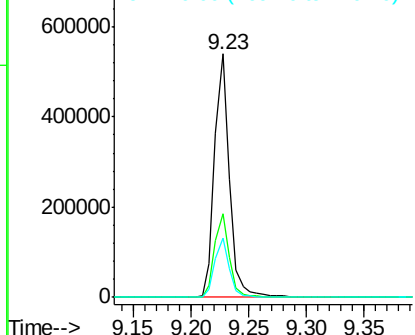
#44
 2-Fluorobiphenyl
 Concen: 28.239 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103417.D
 Acq: 5 Mar 2018 19:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 487400
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.7 44.5
 170 24.4 19.6 29.4

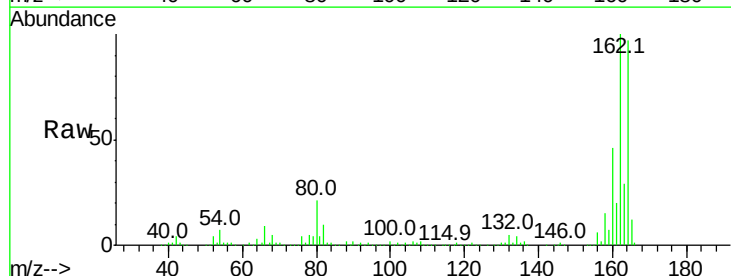


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

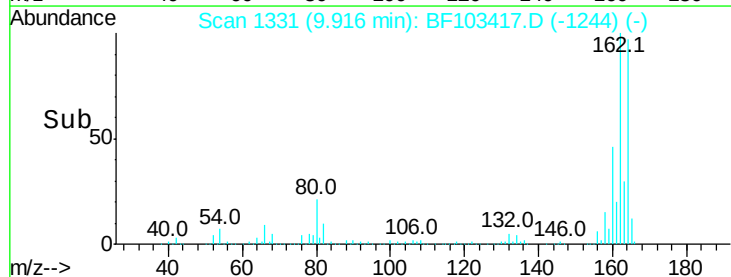
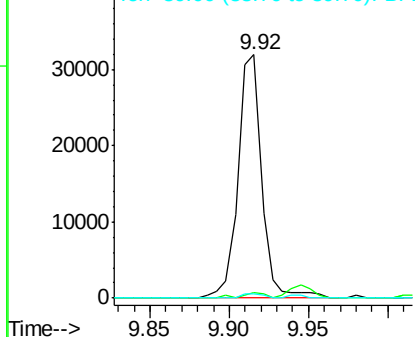


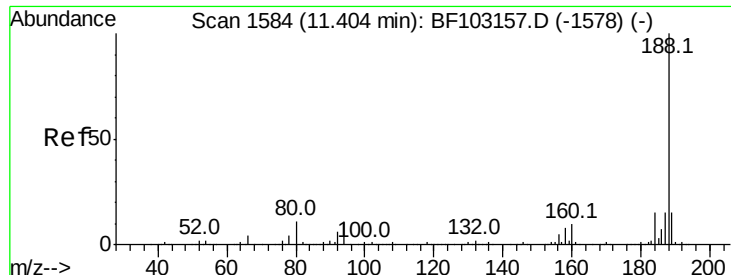
#50
 2,6-Dinitrotoluene
 Concen: 8.021 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103417.D
 Acq: 5 Mar 2018 19:10

Tgt Ion:165 Resp: 33216
 Ion Ratio Lower Upper
 165 100
 63 2.5 44.7 67.1#
 89 1.6 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: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

Instrument :

BNA_F

ClientSampled :

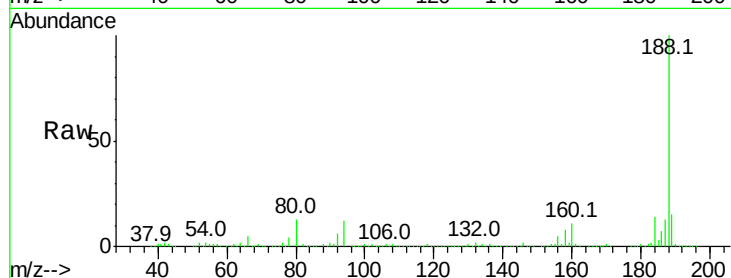
Tot Ion:188 Resp: 386449

Ion Ratio Lower Upper

188 100

94 11.6 8.5 12.7

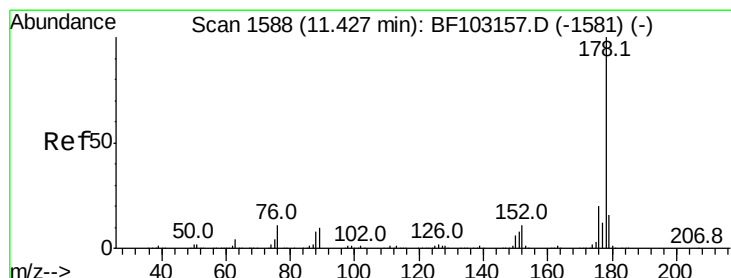
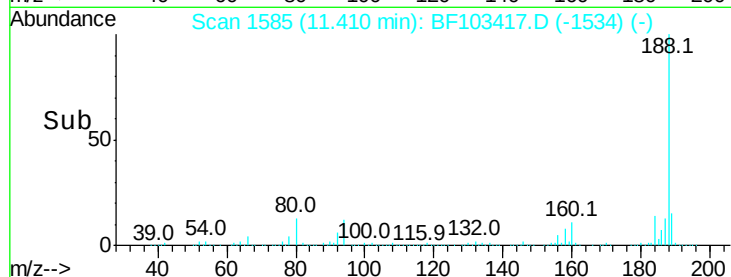
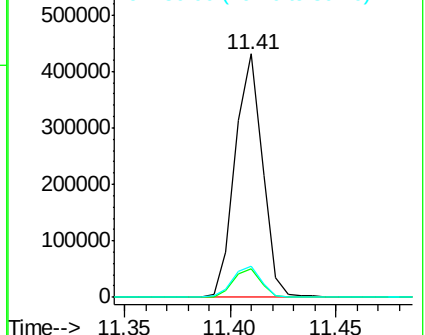
80 12.7 9.2 13.8



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



#70

Phenanthrene

Concen: 11.572 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

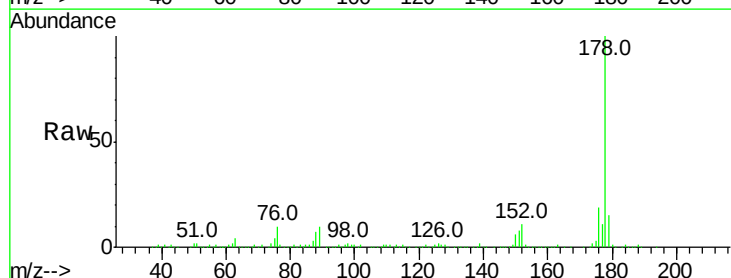
Tgt Ion:178 Resp: 246112

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

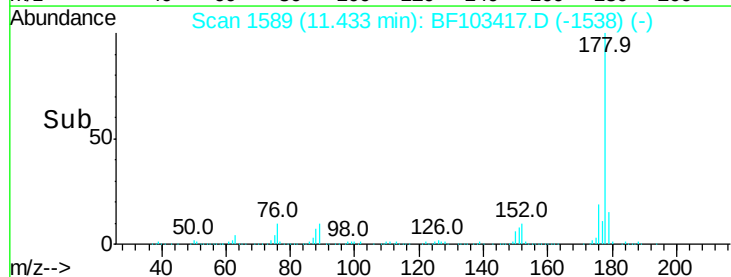
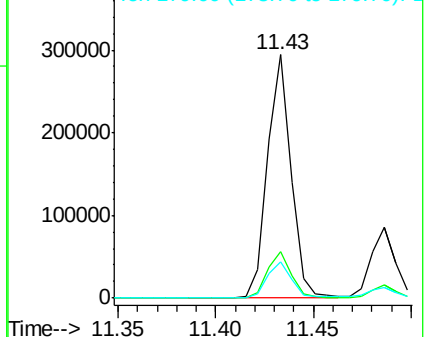
179 15.1 13.0 19.6

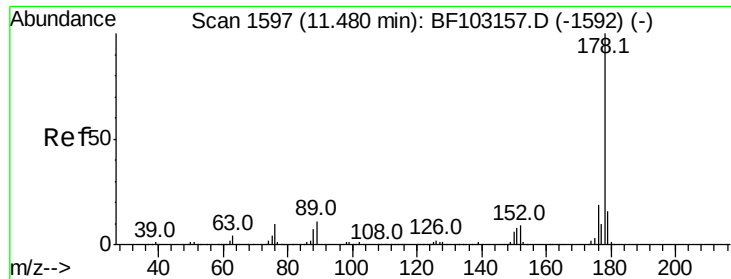


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

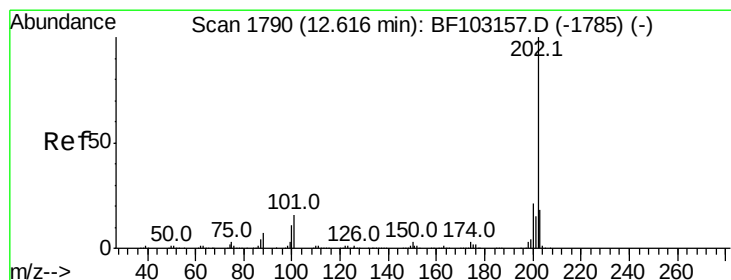
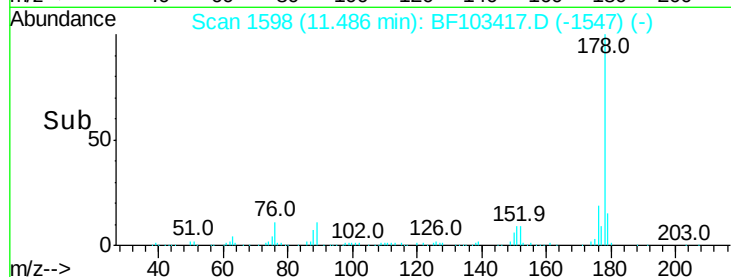
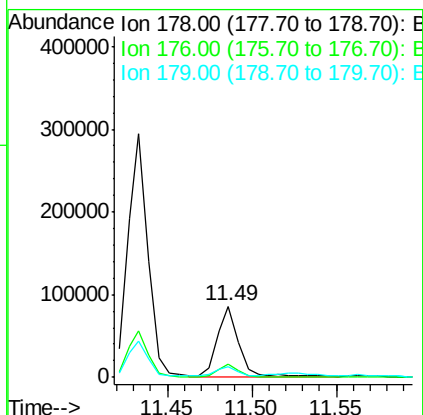
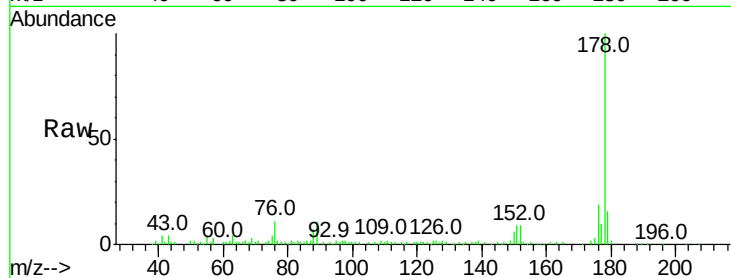




#71
 Anthracene
 Concen: 3.532 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF103417.D
 Acq: 5 Mar 2018 19:10

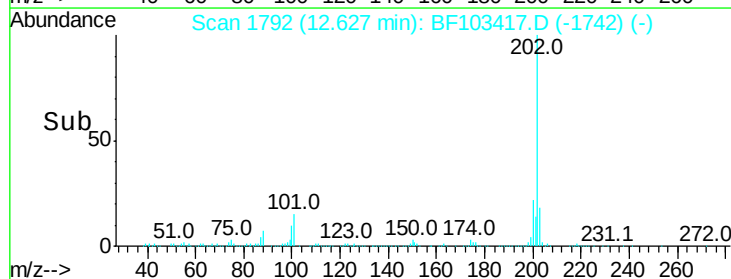
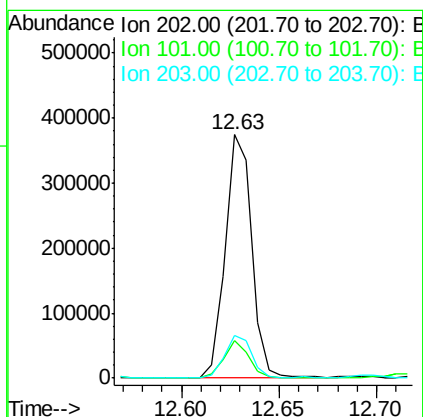
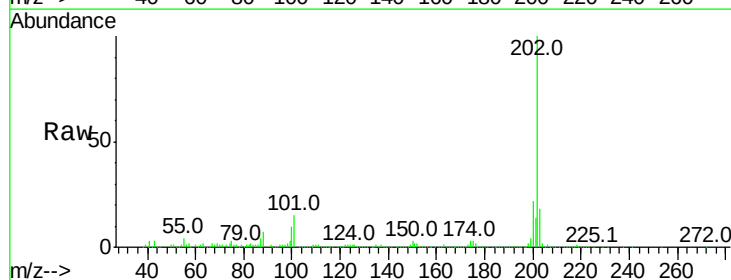
Instrument :
 BNA_F
 ClientSampleId :

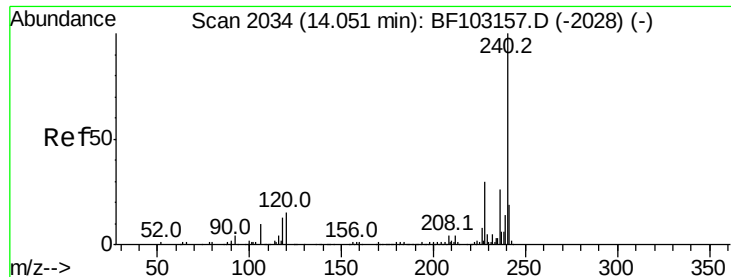
Tot Ion:178 Resp: 77027
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.7 12.6 19.0



#74
 Fluoranthene
 Concen: 16.459 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103417.D
 Acq: 5 Mar 2018 19:10

Tgt Ion:202 Resp: 351749
 Ion Ratio Lower Upper
 202 100
 101 15.3 0.0 34.1
 203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

Instrument :

BNA_F

ClientSampleId :

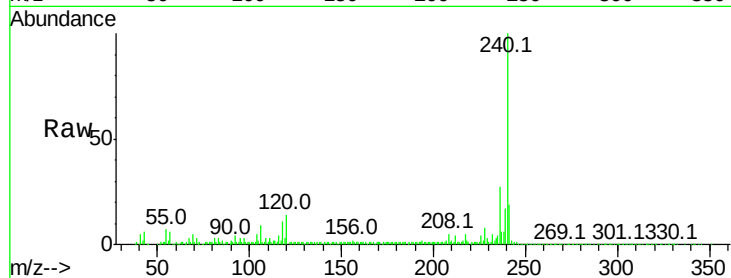
Tot Ion:240 Resp: 241205

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

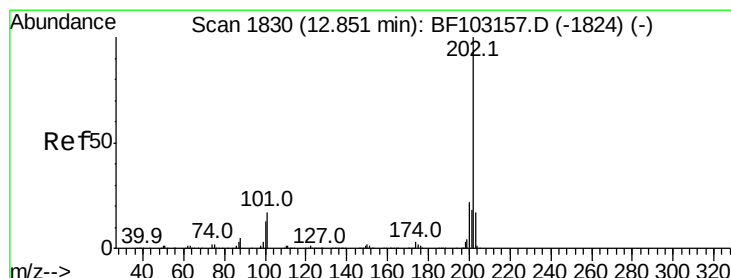
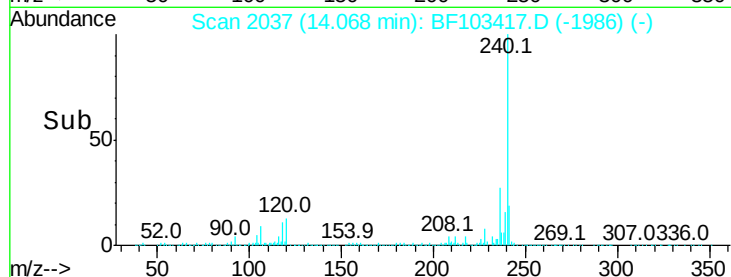
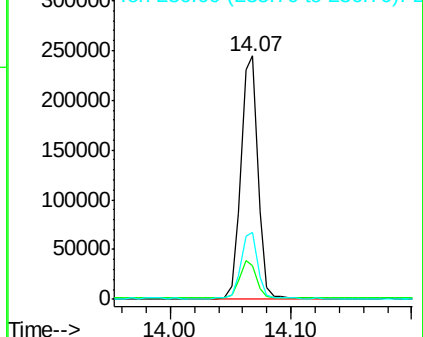
236 27.4 20.7 31.1



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: 16.638 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

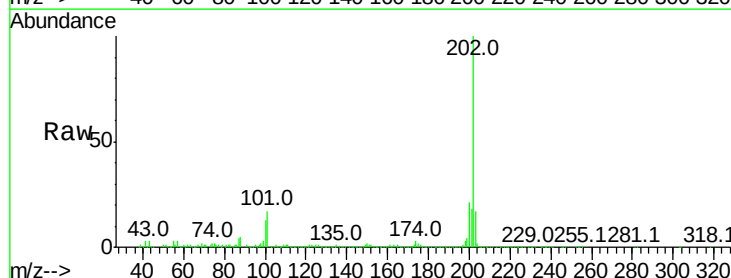
Tgt Ion:202 Resp: 312887

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

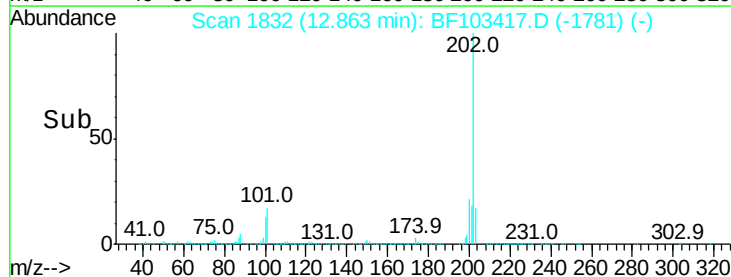
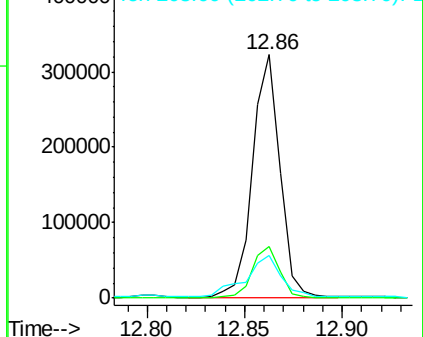
203 17.4 14.3 21.5

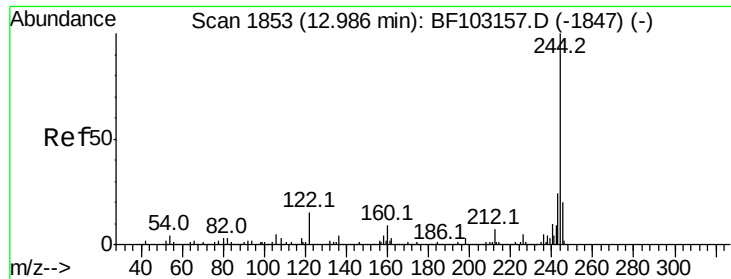


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 33.384 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

Instrument :

BNA_F

ClientSampleId :

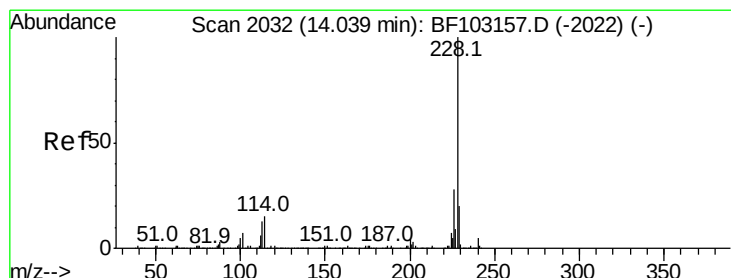
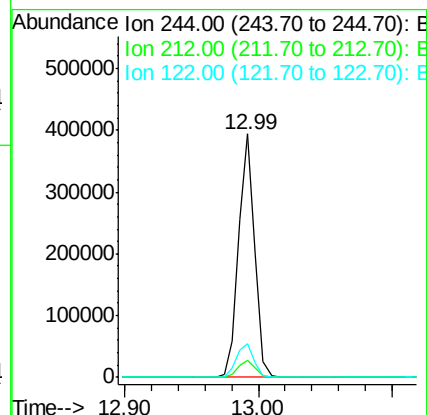
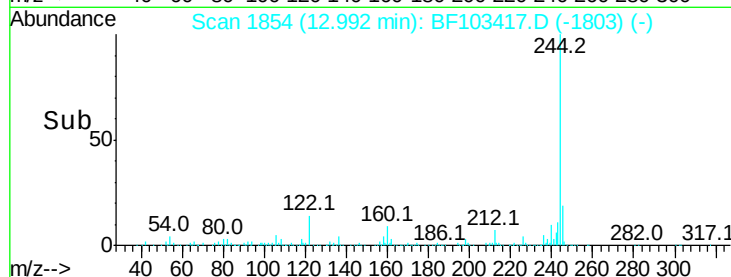
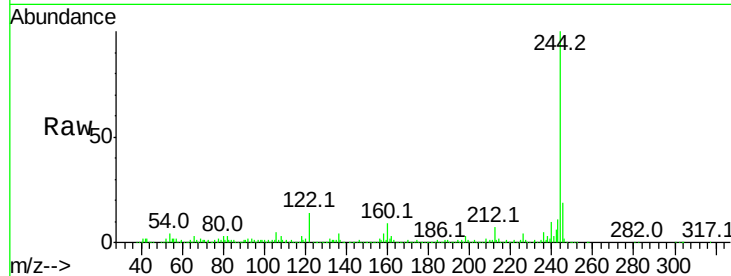
Tot Ion:244 Resp: 334976

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 14.1 11.0 16.4



#80

Benzo(a)anthracene

Concen: 7.893 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

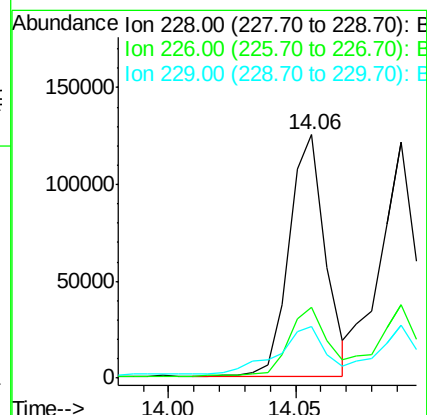
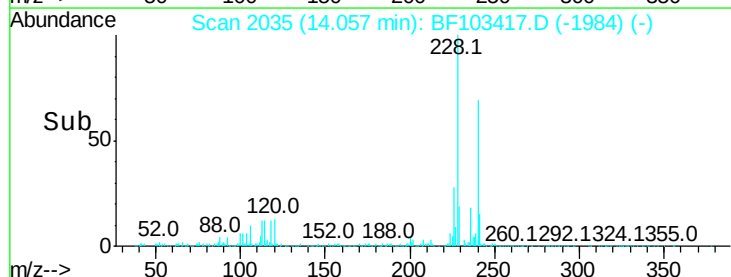
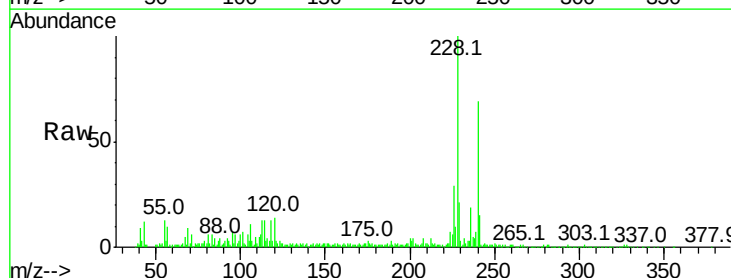
Tgt Ion:228 Resp: 123526

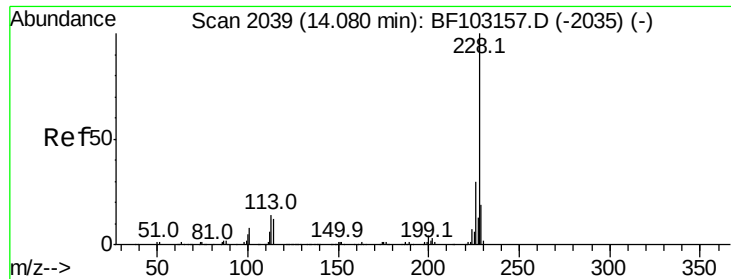
Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

229 21.0 15.8 23.6





#82

Chrysene

Concen: 7.866 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

Instrument :

BNA_F

ClientSampleId :

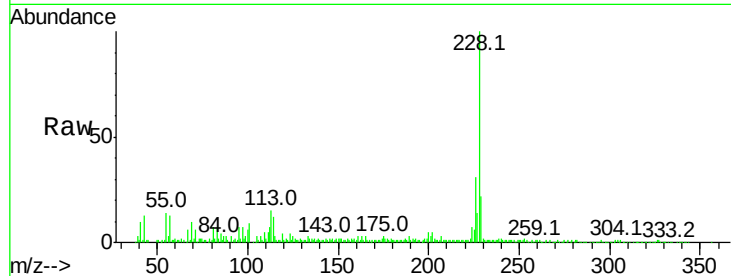
Tot Ion:228 Resp: 119539

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

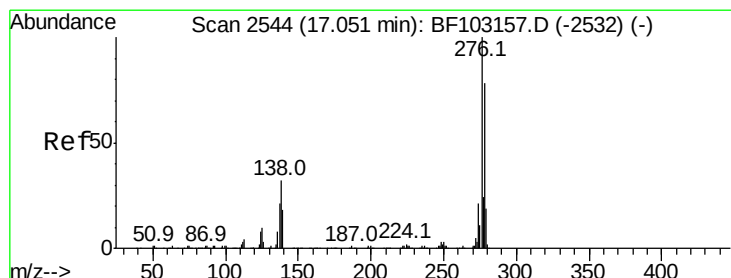
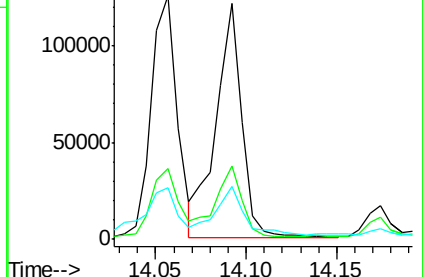
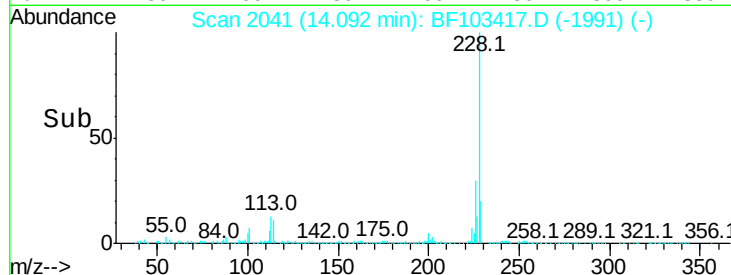
229 22.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.792 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

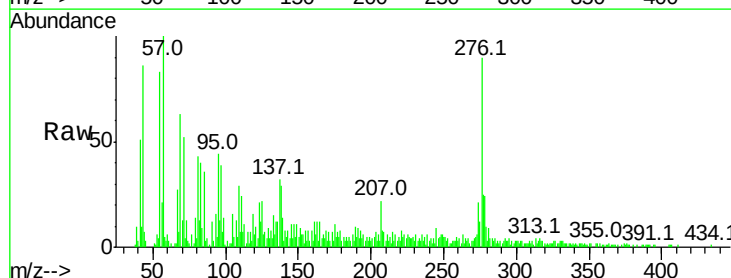
Tgt Ion:276 Resp: 45621

Ion Ratio Lower Upper

276 100

138 30.5 25.0 37.6

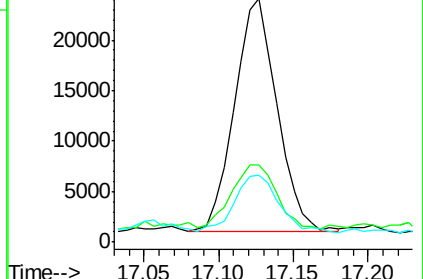
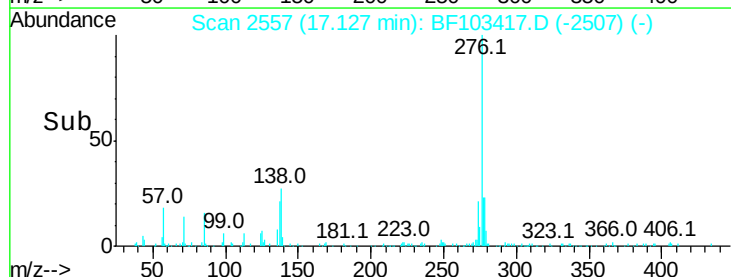
277 26.0 20.1 30.1

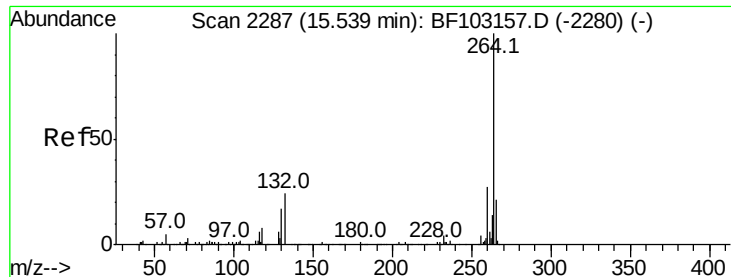


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

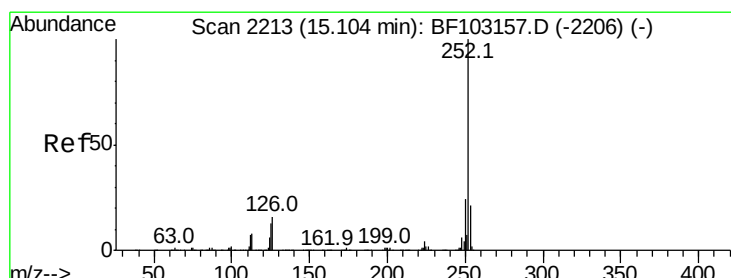
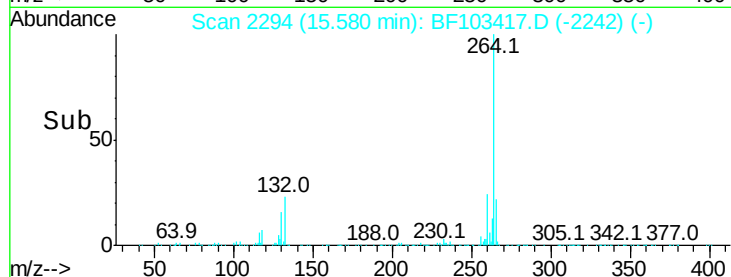
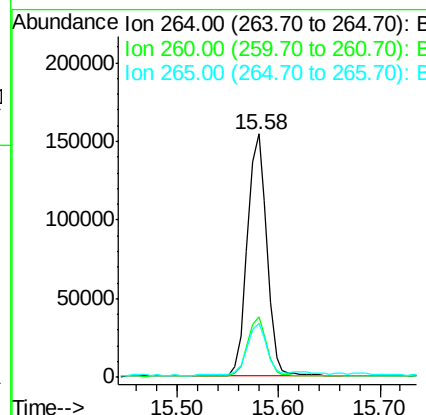
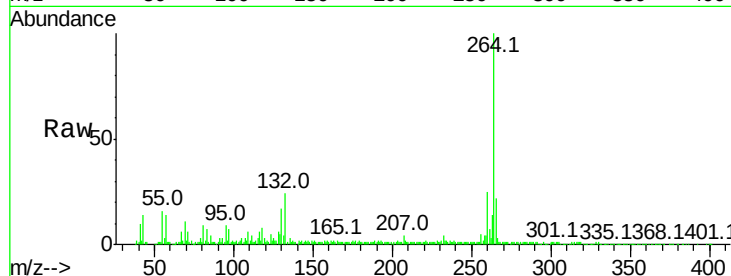




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

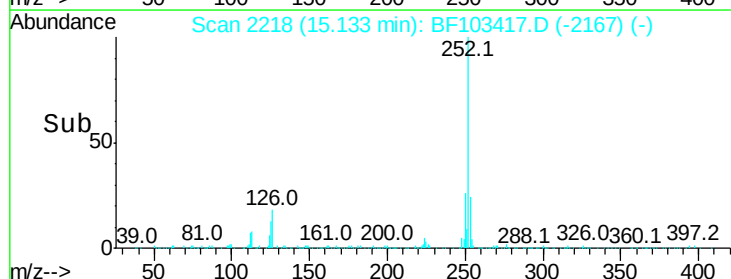
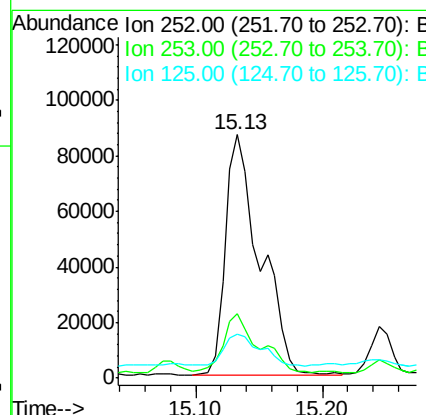
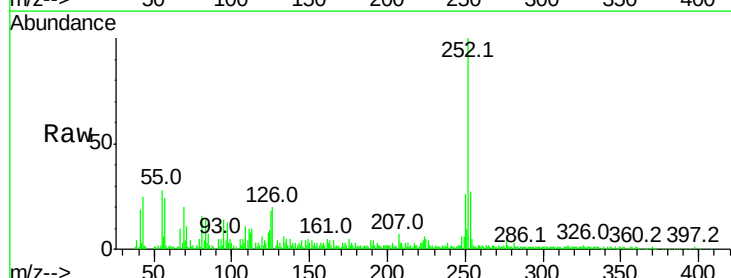
Instrument :
BNA_F
ClientSampleId :

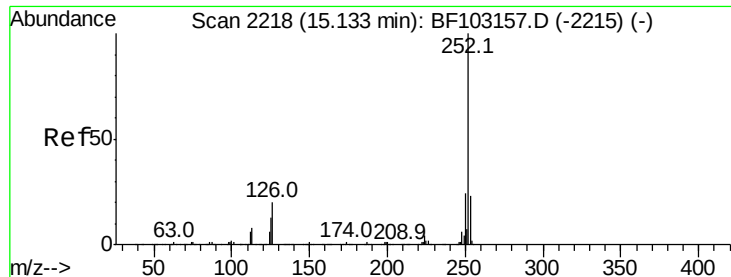
Tot Ion:264 Resp: 206787
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 12.104 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

Tgt Ion:252 Resp: 164564
Ion Ratio Lower Upper
252 100
253 26.6 17.0 25.6#
125 18.1 9.0 13.6#

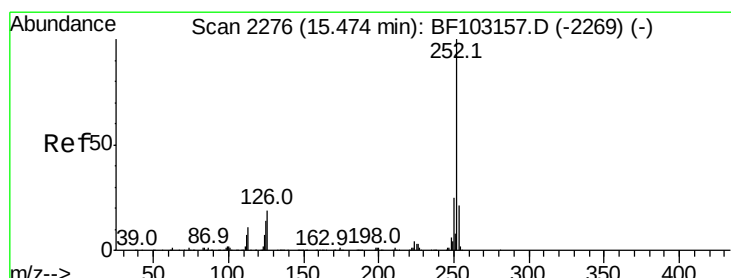
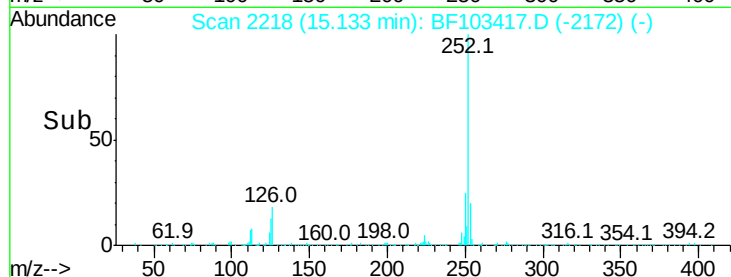
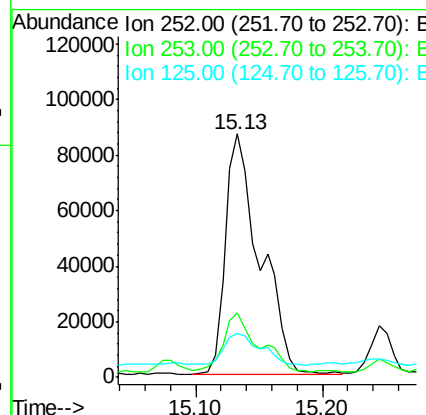
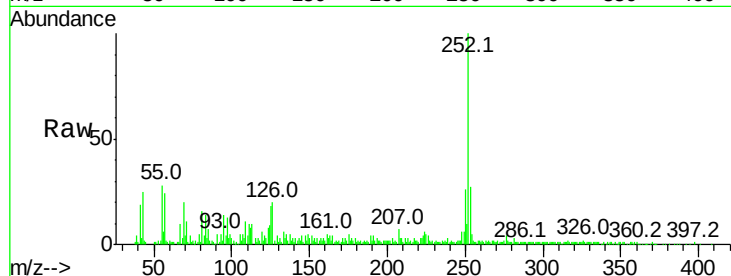




#88
Benzo(k)fluoranthene
Concen: 12.854 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

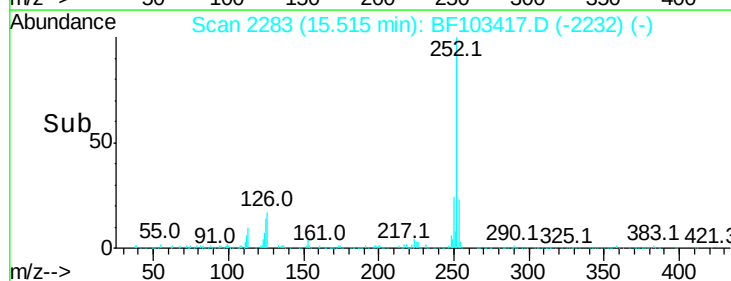
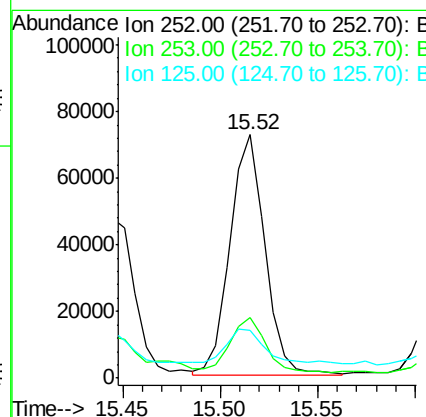
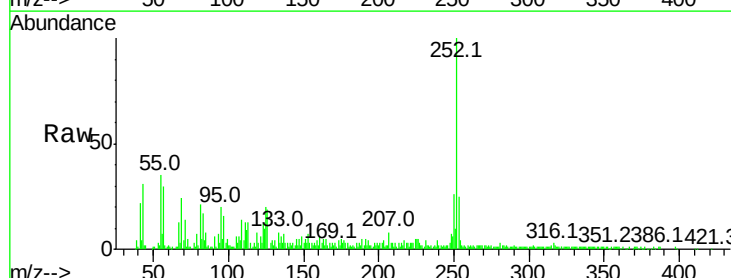
Instrument :
BNA_F
ClientSampled :

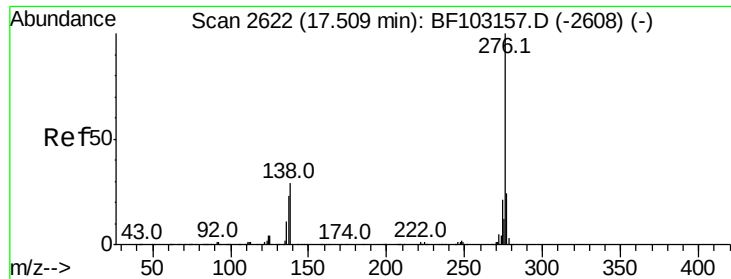
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	18.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 7.348 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF103417.D
Acq: 5 Mar 2018 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	19.7	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.889 ng

RT: 17.60 min Scan# 2637

Delta R.T. 0.01 min

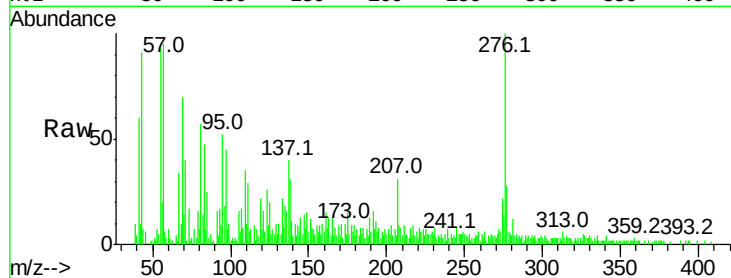
Lab File: BF103417.D

Acq: 5 Mar 2018 19:10

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	276	Resp:	44831
Ion Ratio	Lower	Upper	
276	100		
277	27.6	17.9	26.9#
138	30.9	21.8	32.8

