

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103307.D
 Acq On : 28 Feb 2018 21:38
 Operator : SJ/JU
 Sample : J1716-04 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 00:05:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	151612	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	628091	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	255420	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	317575	20.00	ng	0.00
75) Chrysene-d12	14.05	240	235376	20.00	ng	0.00
86) Perylene-d12	15.55	264	243927	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	71297	7.11	ng	0.00
7) Phenol-d6	6.51	99	84950	6.93	ng	0.00
23) Nitrobenzene-d5	7.44	82	53401	4.86	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	8974	4.15	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	82244	2.04	ng	0.00
78) Terphenyl-d14	12.99	244	42065	4.30	ng	0.00

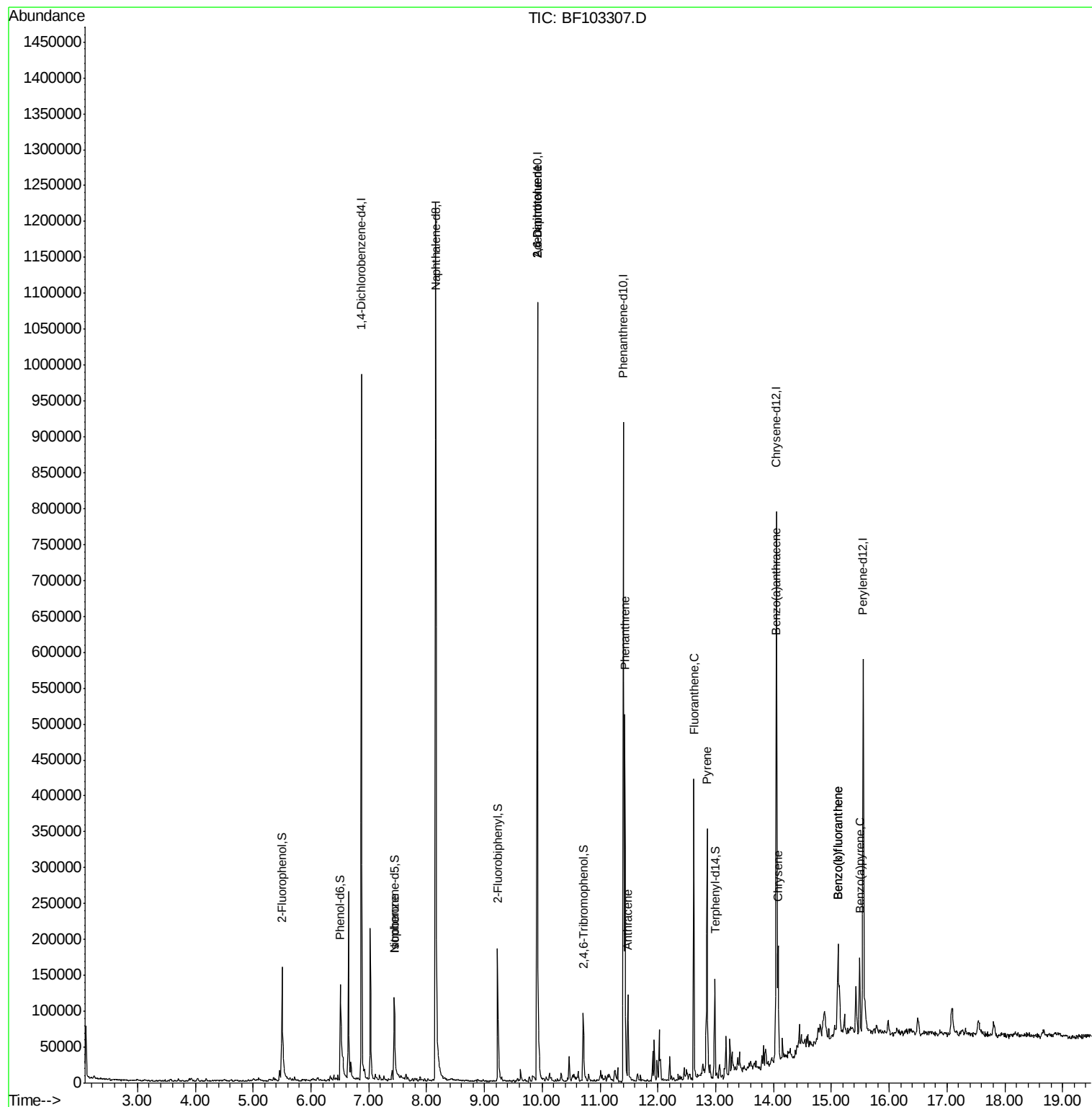
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	151	Below Cal		# 1
25) Isophorone	7.44	82	53401	2.465	ng	# 64
50) 2,6-Dinitrotoluene	9.91	165	32226	7.495	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	32226	5.926	ng	# 24
70) Phenanthrene	11.43	178	174463	9.982	ng	99
71) Anthracene	11.48	178	52075	2.906	ng	98
74) Fluoranthene	12.62	202	157408	8.963	ng	98
77) Pyrene	12.85	202	138134	7.527	ng	98
80) Benzo(a)anthracene	14.04	228	62696	4.105	ng	97
82) Chrysene	14.08	228	58629	3.954	ng	98
87) Benzo(b)fluoranthene	15.12	252	88259	5.503	ng	# 94
88) Benzo(k)fluoranthene	15.12	252	88259	5.844	ng	96
89) Benzo(a)pyrene	15.49	252	50040	3.494	ng	# 95

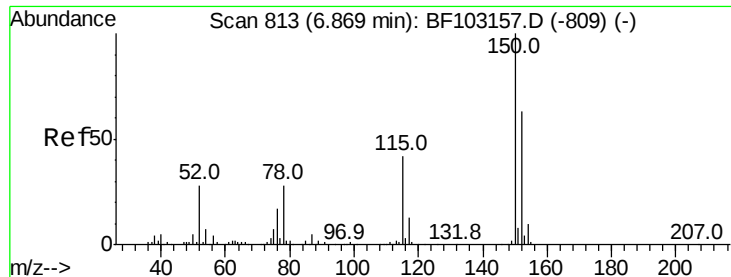
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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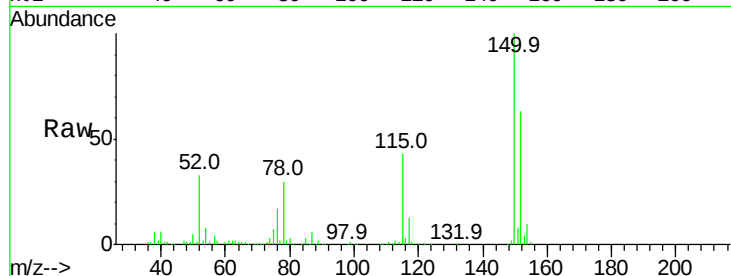


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	68.1	50.1	75.1

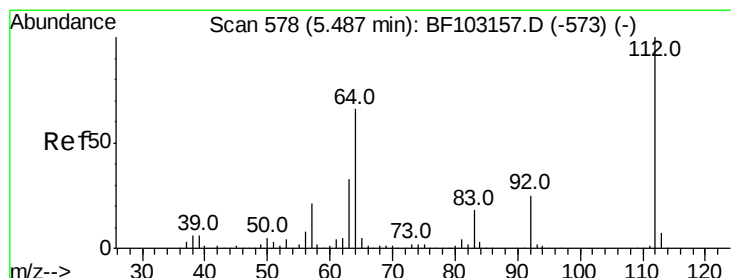
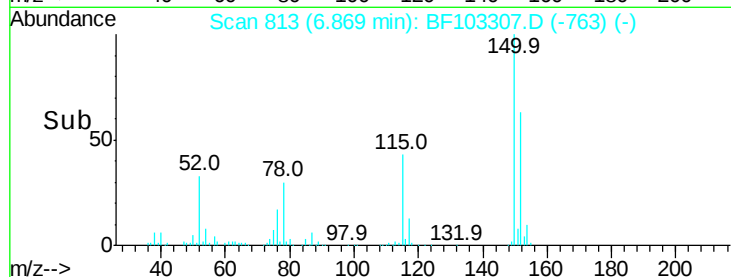
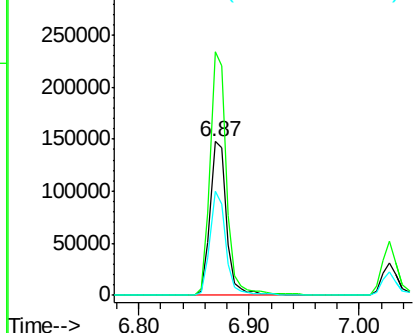


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

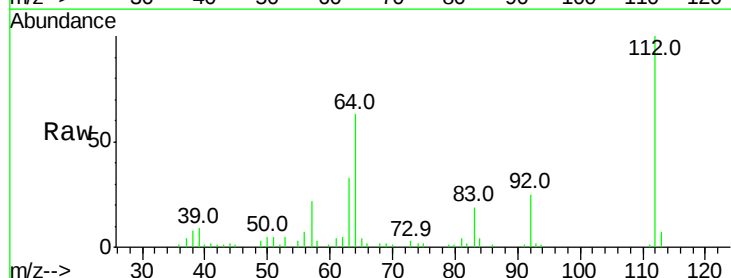
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 7.112 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	47.9	71.9
63	33.0	23.7	35.5

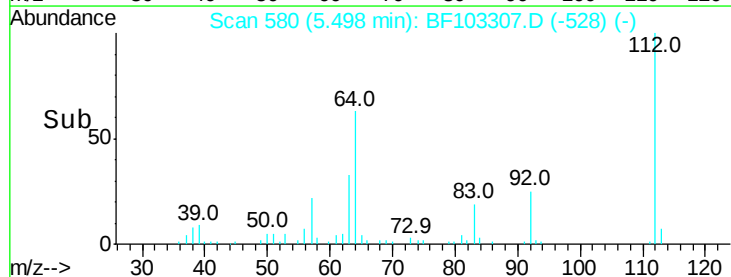
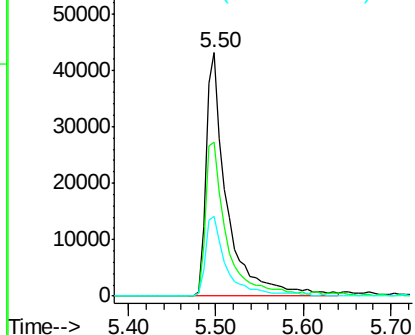


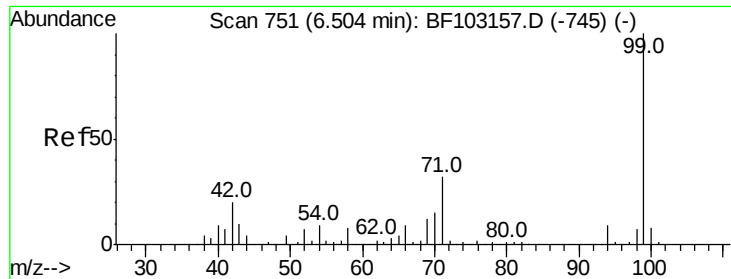
Abundance

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: 6.925 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Instrument :

BNA_F

ClientSampleId :

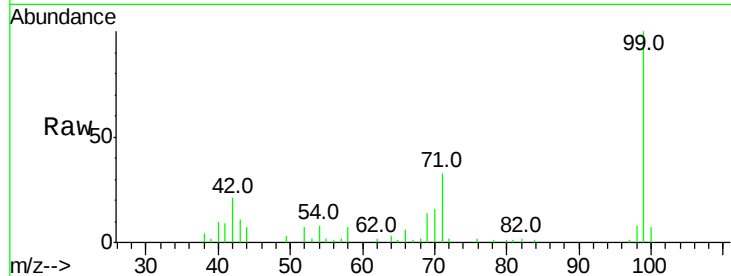
Tot Ion: 99 Resp: 84950

Ion Ratio Lower Upper

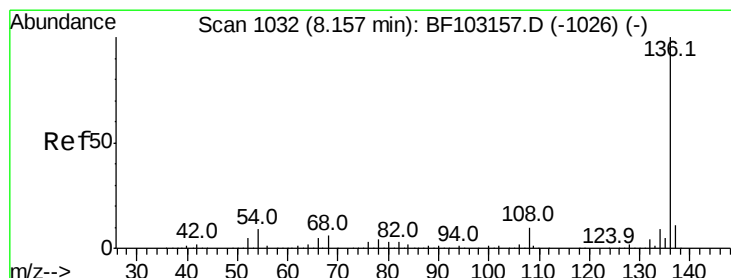
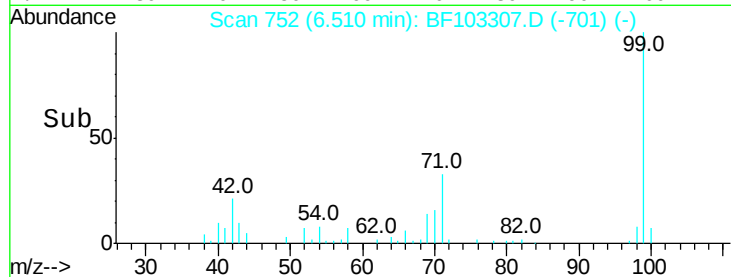
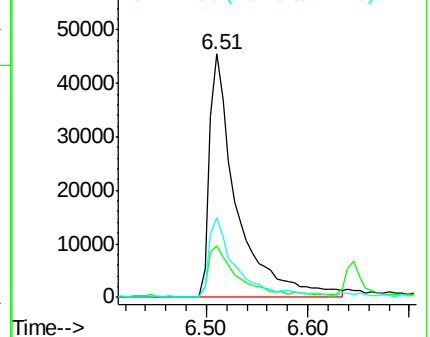
99 100

42 21.2 14.5 21.7

71 32.8 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: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Tgt Ion: 136 Resp: 628091

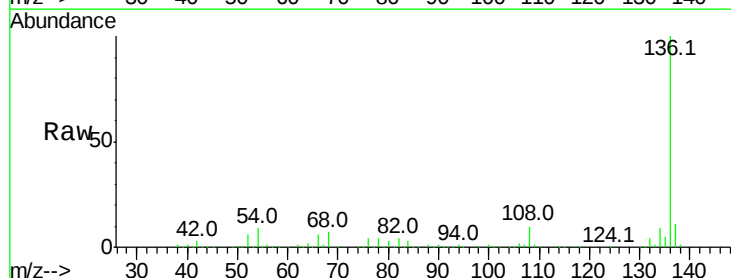
Ion Ratio Lower Upper

136 100

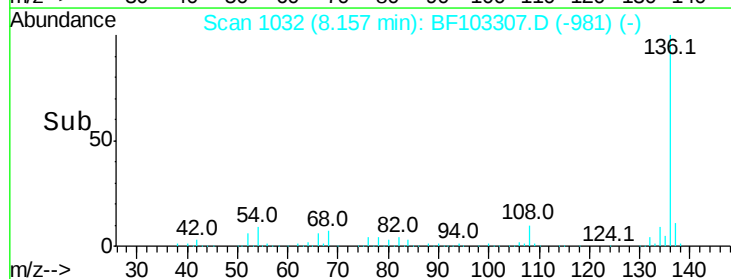
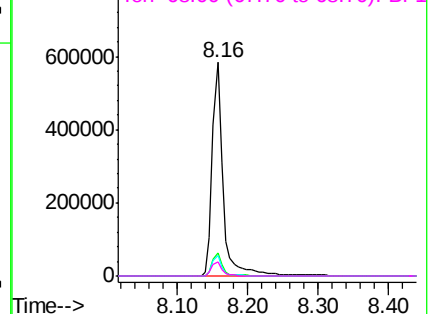
137 10.8 8.9 13.3

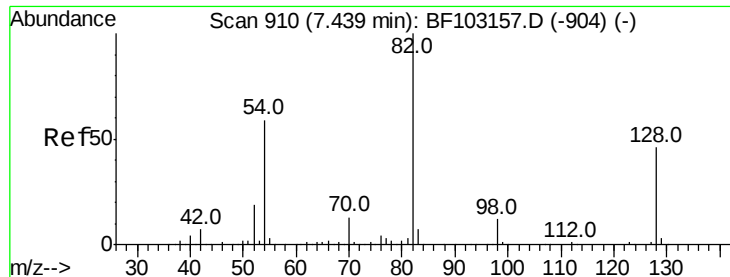
54 9.3 6.6 9.8

68 6.6 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

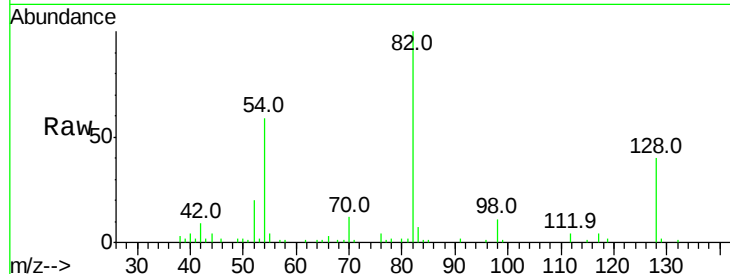




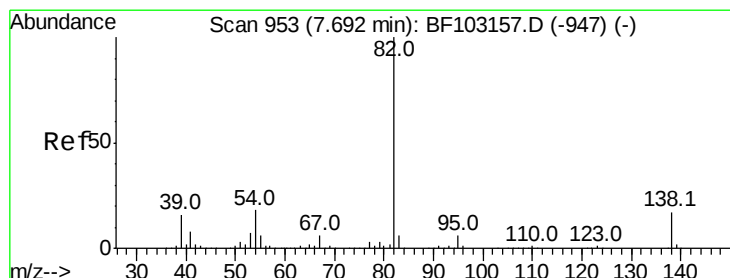
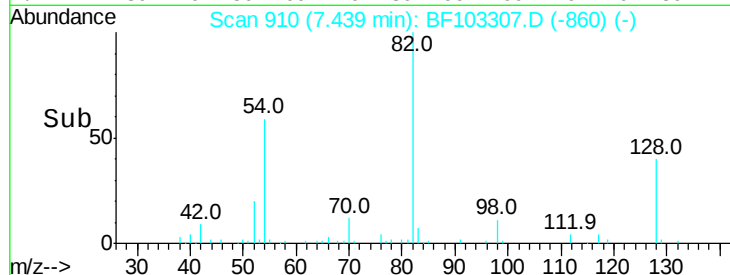
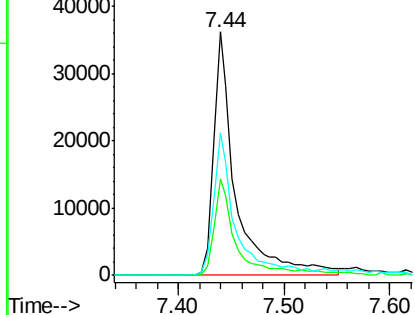
#23
Nitrobenzene-d5
Concen: 4.855 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	53401
Ion Ratio	Lower	Upper	
82	100		
128	39.7	36.1	54.1
54	58.6	41.4	62.2

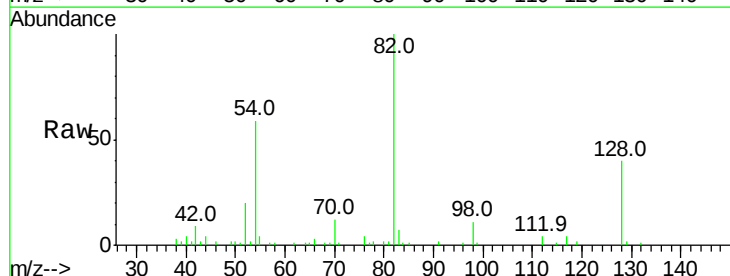


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

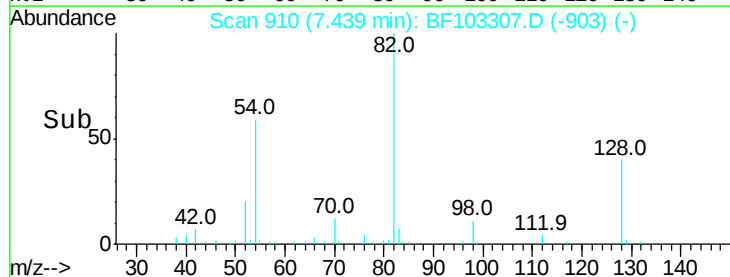
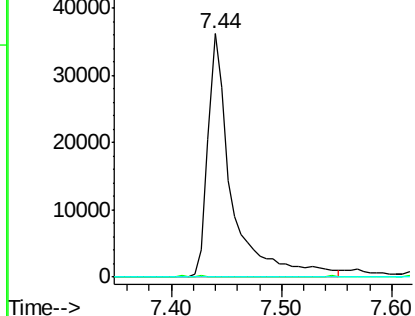


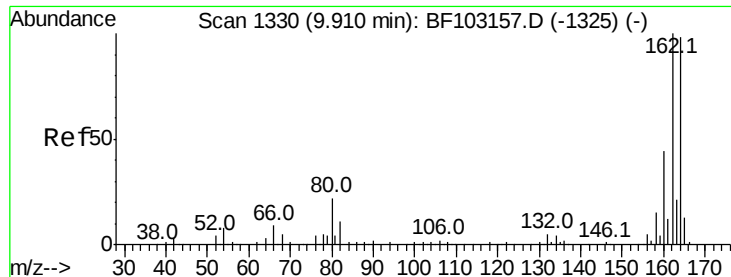
#25
Isophorone
Concen: 2.465 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Tgt Ion	82	Resp	53401
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

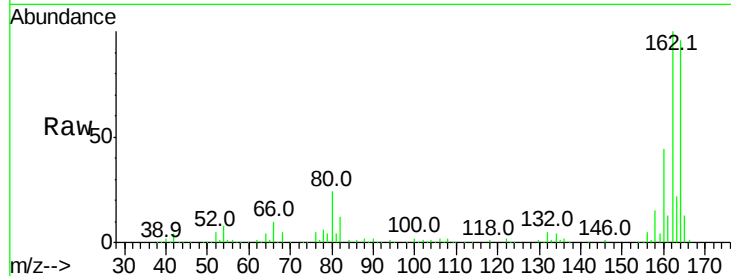




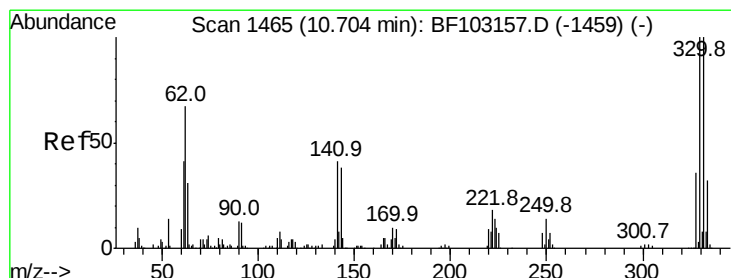
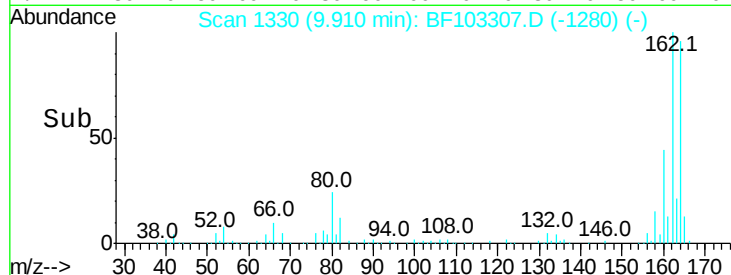
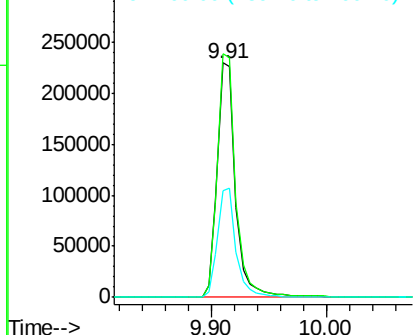
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 255420
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 45.6 38.3 57.5

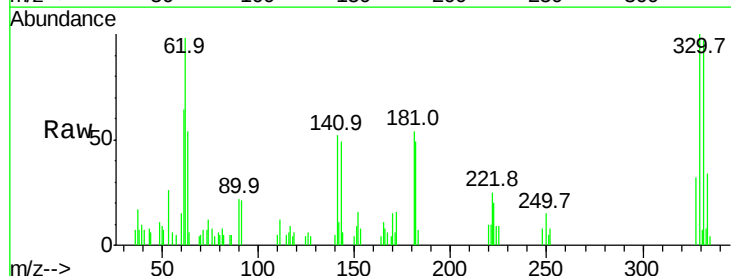


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

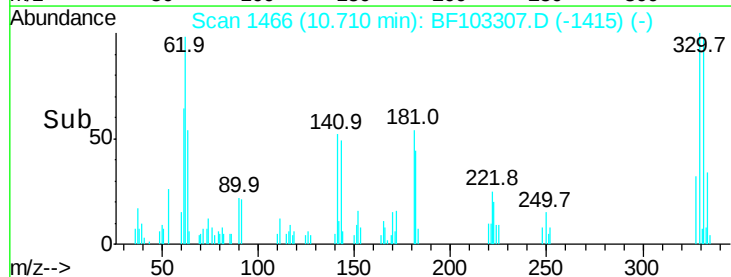
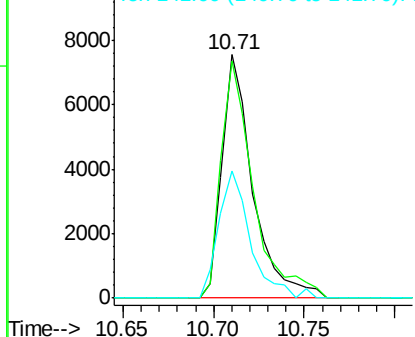


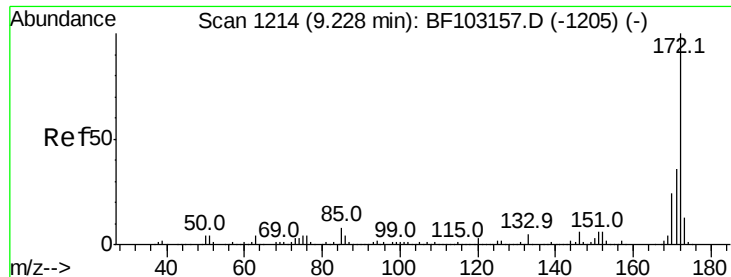
#41
 2,4,6-Tribromophenol
 Concen: 4.151 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Tgt Ion:330 Resp: 8974
 Ion Ratio Lower Upper
 330 100
 332 102.0 77.0 115.6
 141 54.0 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

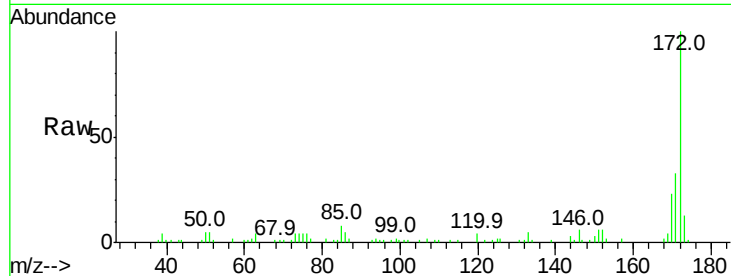




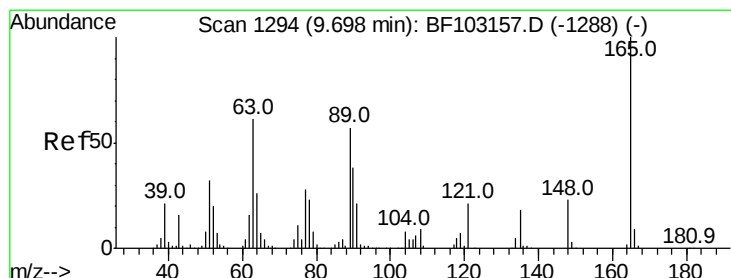
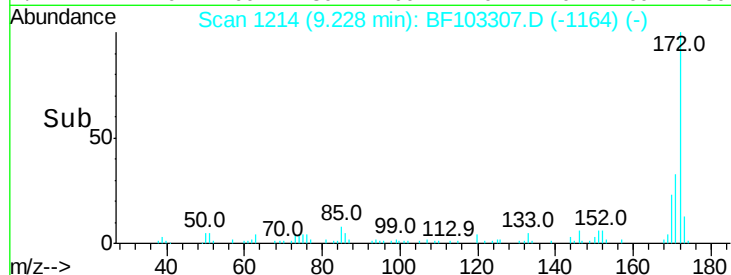
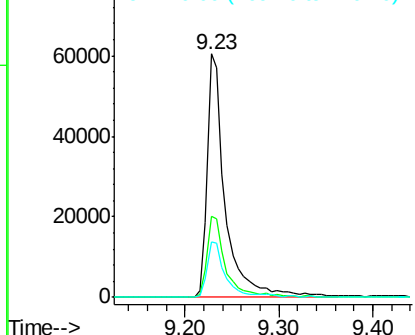
#44
 2-Fluorobiphenyl
 Concen: 2.040 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 82244
 Ion Ratio Lower Upper
 172 100
 171 33.2 29.7 44.5
 170 22.8 19.6 29.4

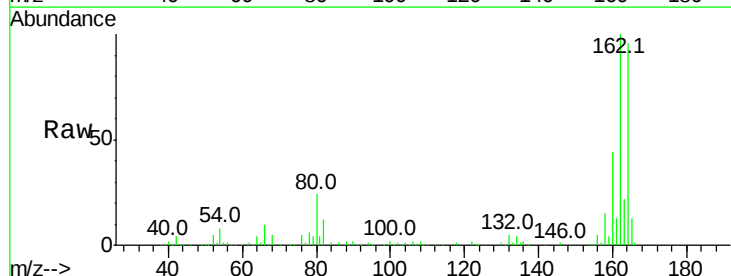


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

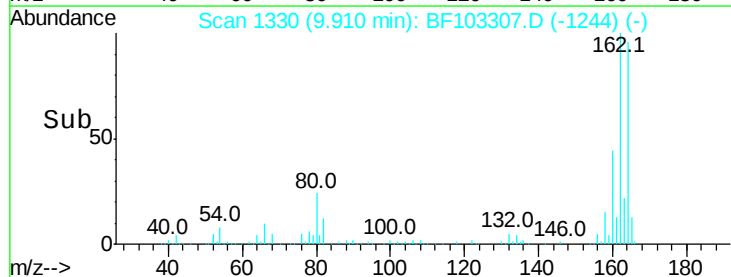
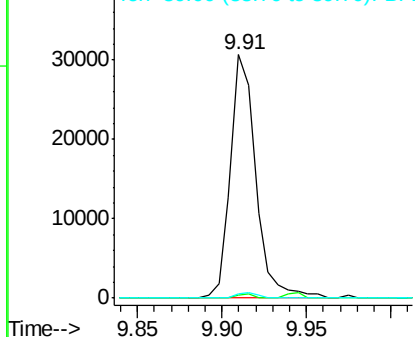


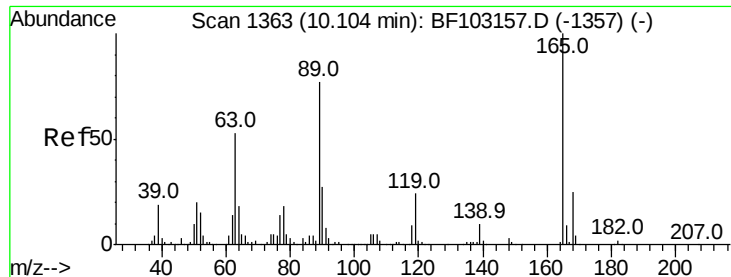
#50
 2,6-Dinitrotoluene
 Concen: 7.495 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Tgt Ion:165 Resp: 32226
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.9 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

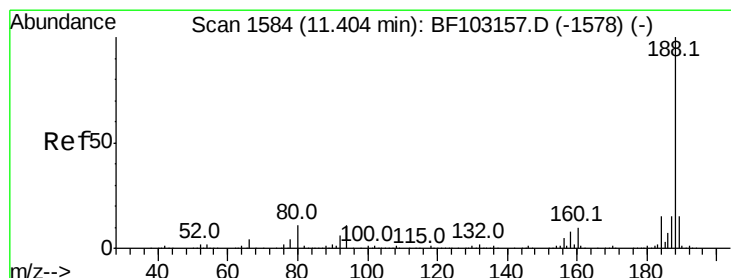
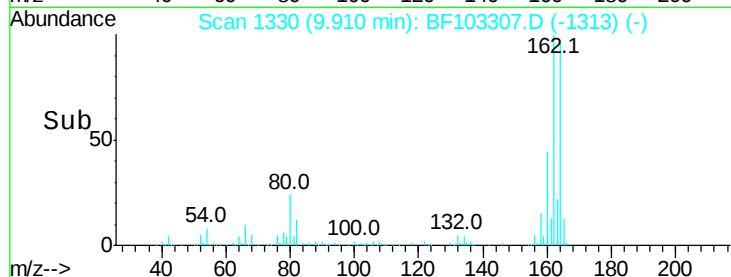
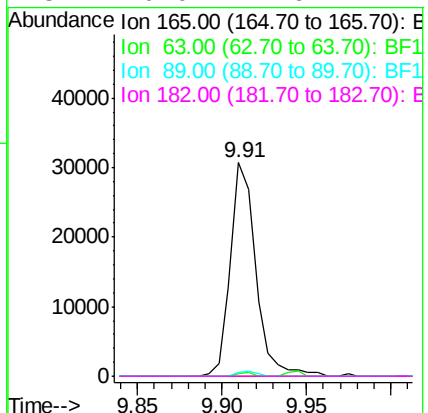
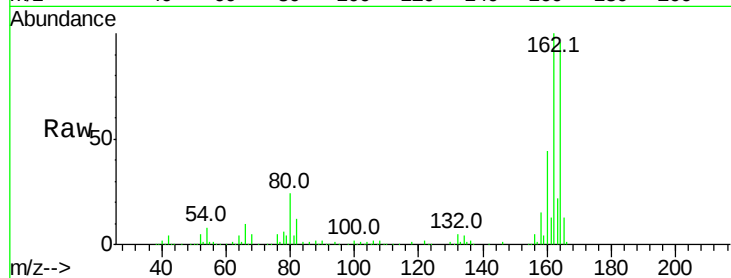




#56
 2,4-Dinitrotoluene
 Concen: 5.926 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

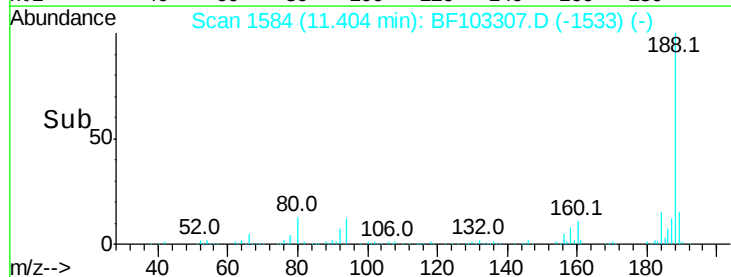
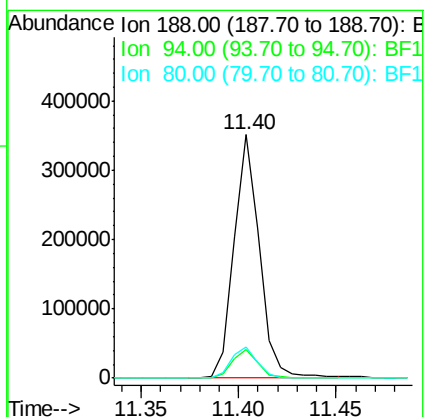
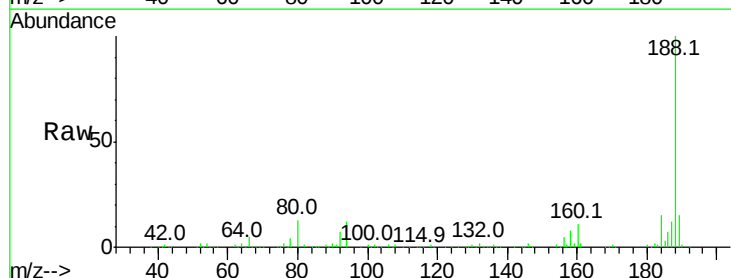
Instrument :
 BNA_F
 ClientSampleId :

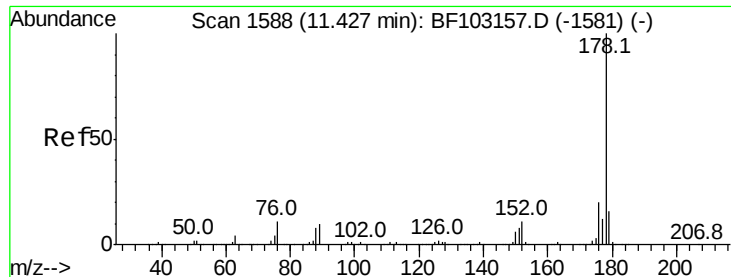
Tot Ion:165 Resp: 32226
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.9 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Tgt Ion:188 Resp: 317575
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 12.9 9.2 13.8





#70

Phenanthrene

Concen: 9.982 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Instrument :

BNA_F

ClientSampled :

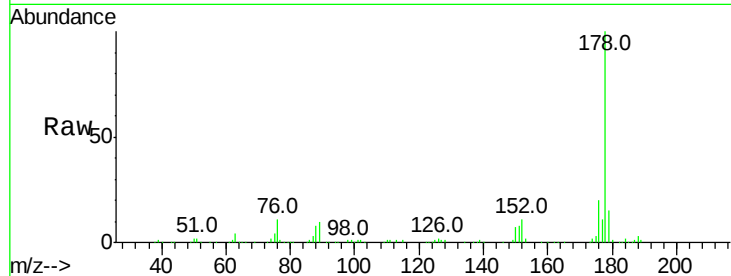
Tot Ion:178 Resp: 174463

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

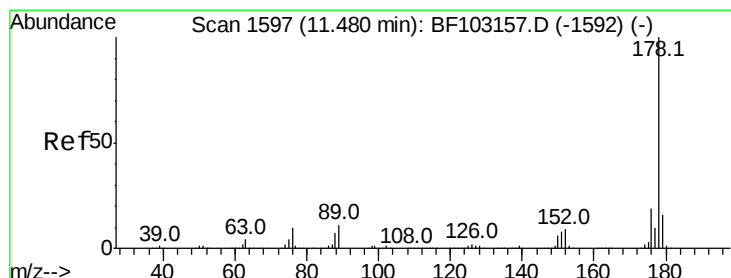
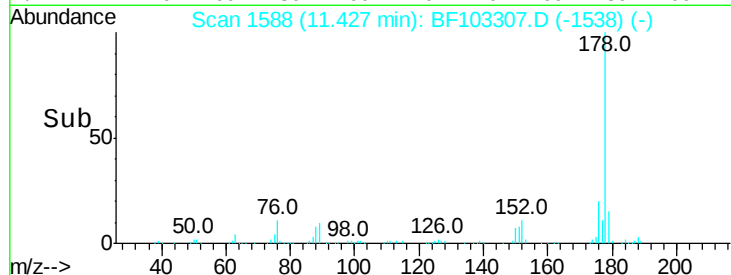
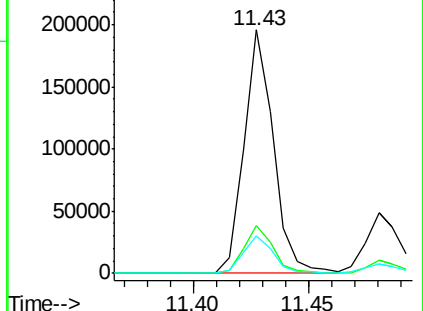
179 15.2 13.0 19.6



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: 2.906 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

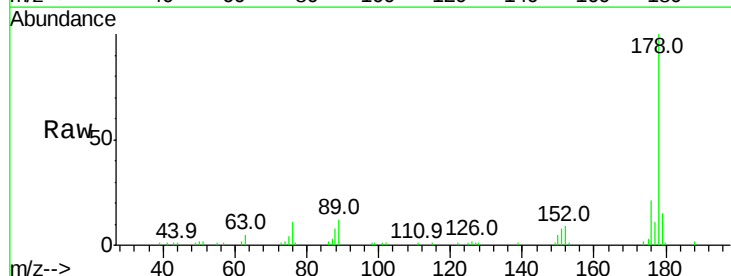
Tgt Ion:178 Resp: 52075

Ion Ratio Lower Upper

178 100

176 21.0 15.4 23.2

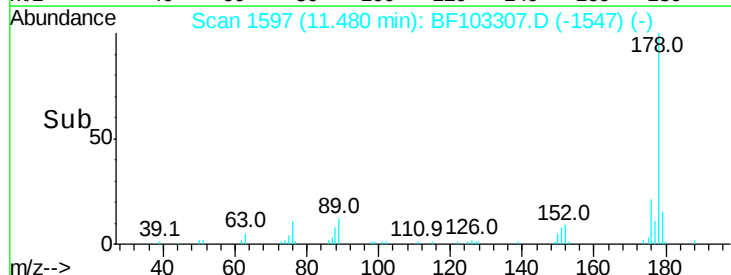
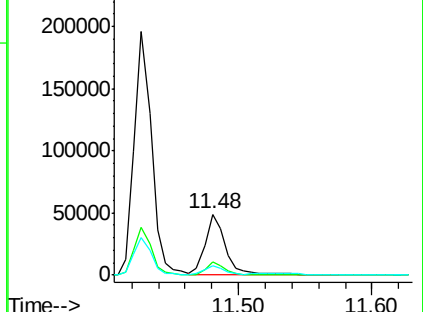
179 15.4 12.6 19.0

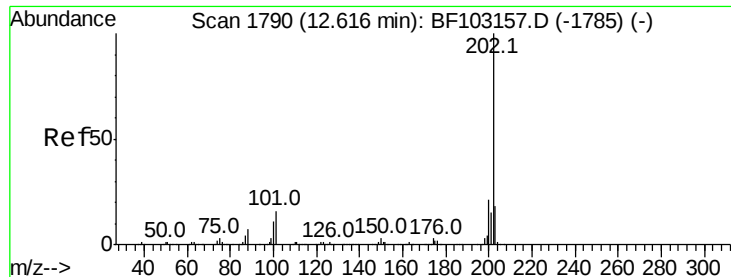


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.963 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Instrument :

BNA_F

ClientSampleId :

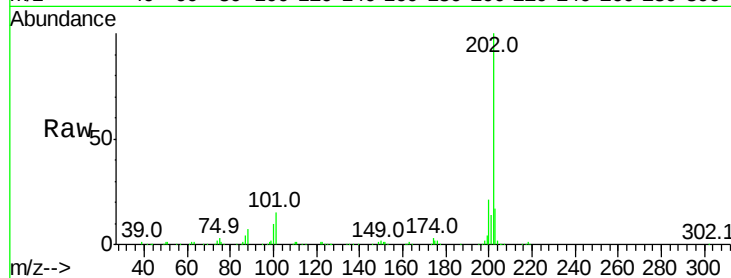
Tot Ion:202 Resp: 157408

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

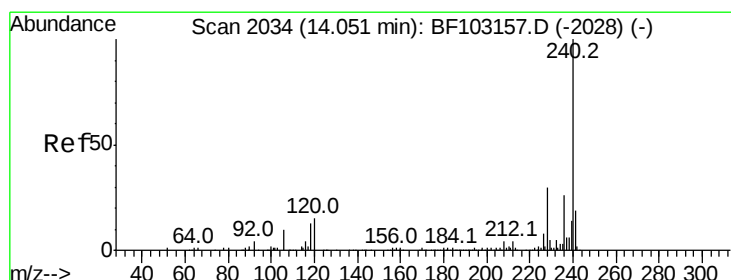
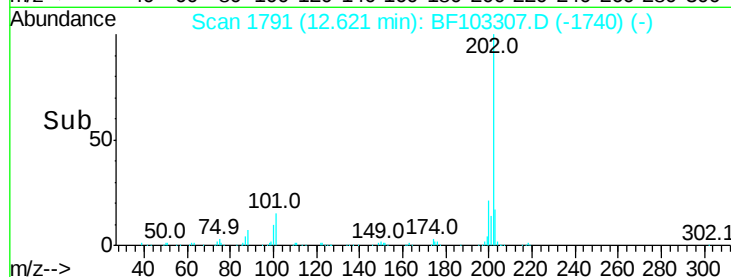
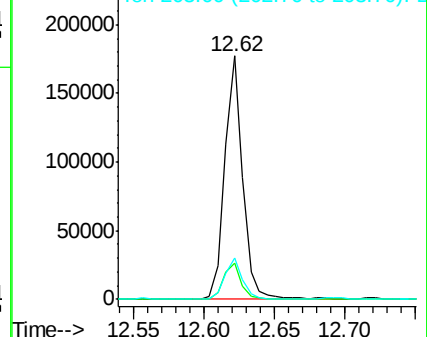
203 17.0 0.0 38.1



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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

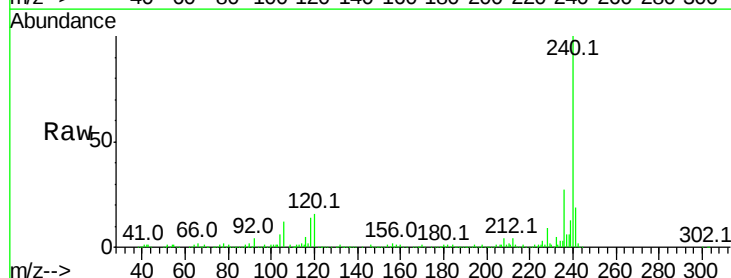
Tgt Ion:240 Resp: 235376

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

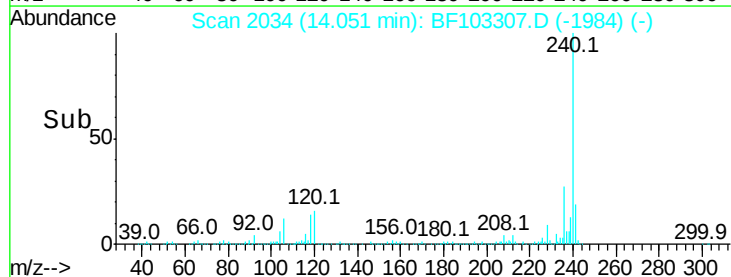
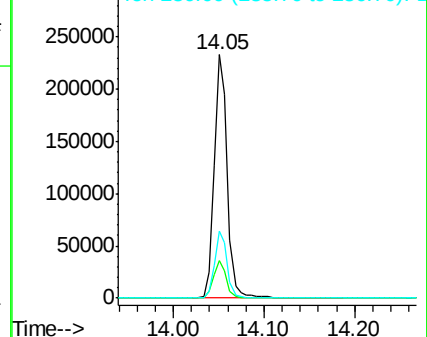
236 27.5 20.7 31.1

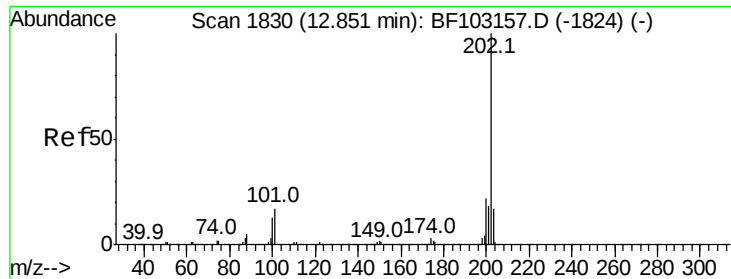


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.527 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Instrument :

BNA_F

ClientSampleId :

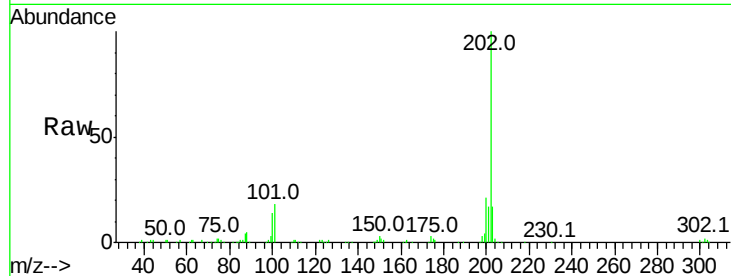
Tot Ion:202 Resp: 138134

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

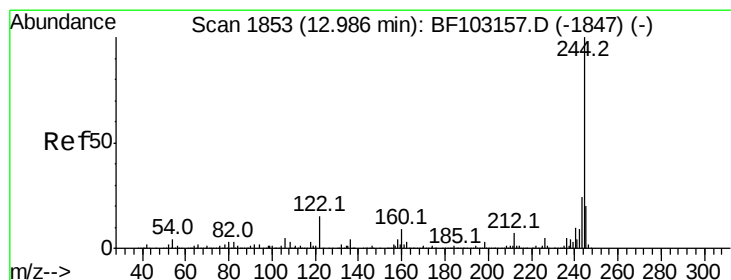
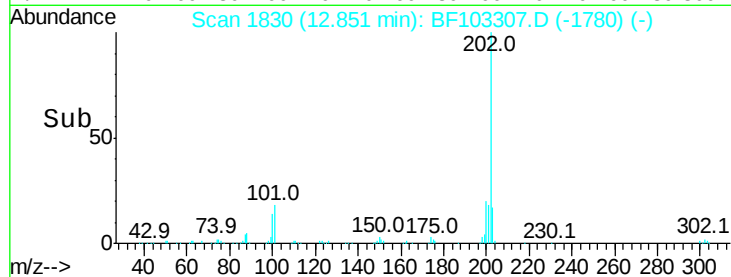
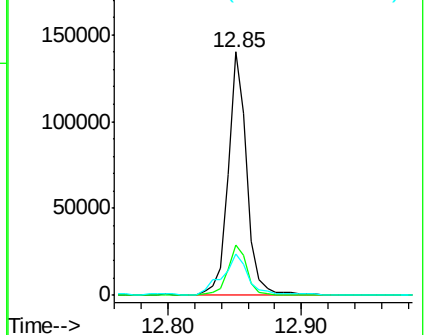
203 17.2 14.3 21.5



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: 4.296 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

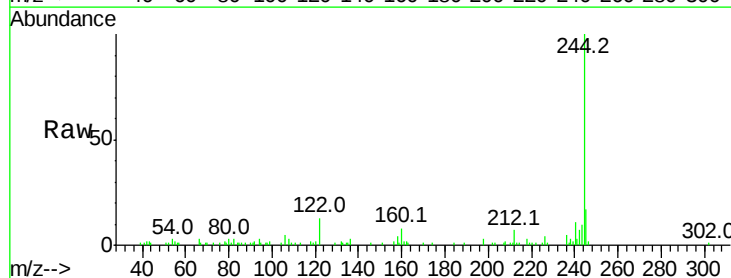
Tgt Ion:244 Resp: 42065

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

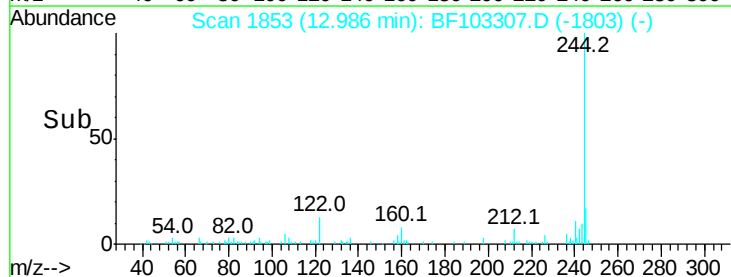
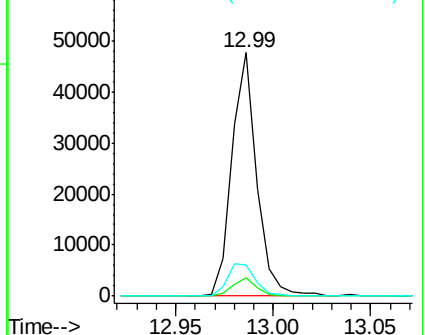
122 13.0 11.0 16.4

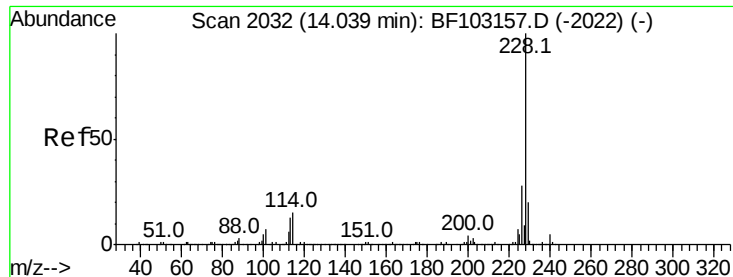


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.105 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Instrument :

BNA_F

ClientSampleId :

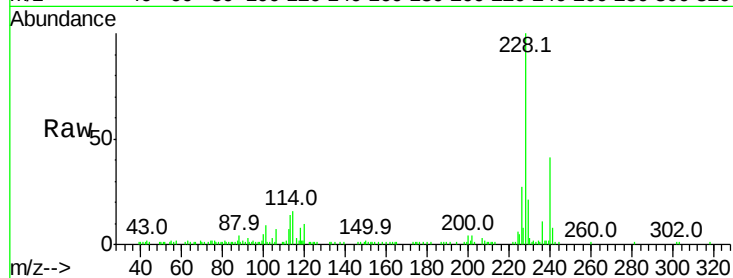
Tot Ion:228 Resp: 62696

Ion Ratio Lower Upper

228 100

226 26.8 22.6 33.8

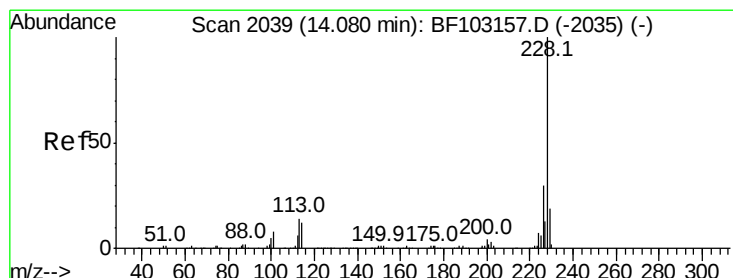
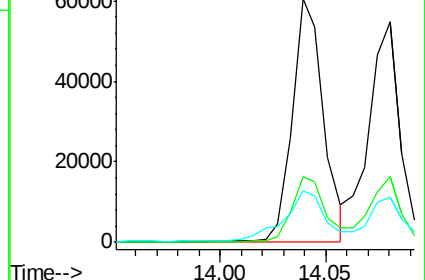
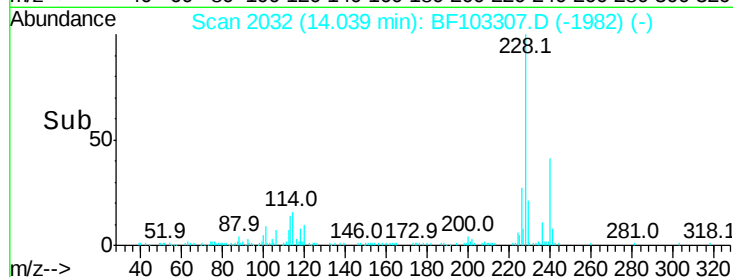
229 21.1 15.8 23.6



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: 3.954 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

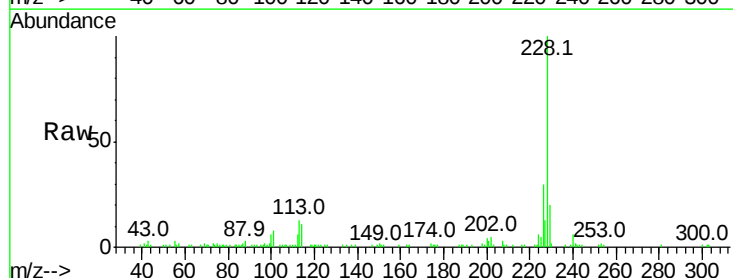
Tgt Ion:228 Resp: 58629

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

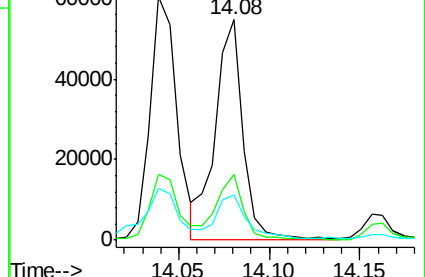
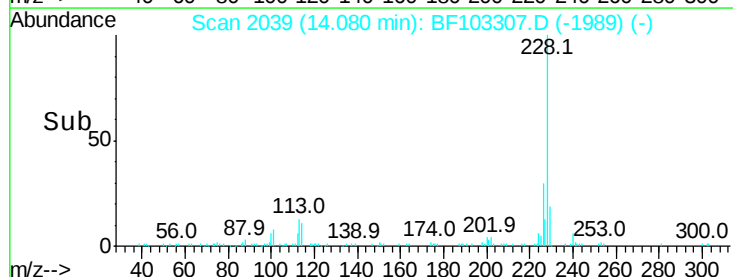
229 20.2 16.2 24.4

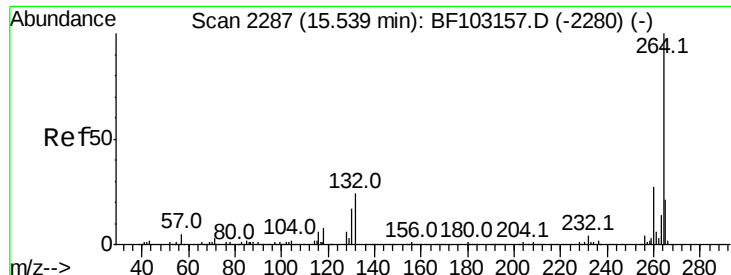


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

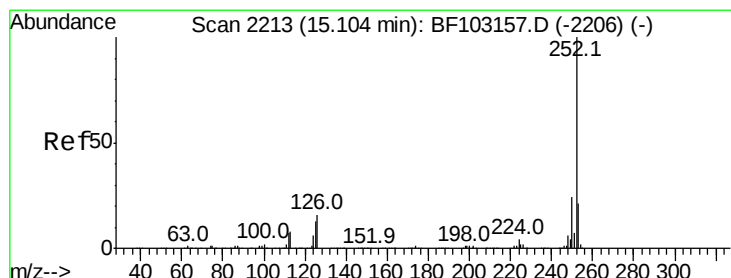
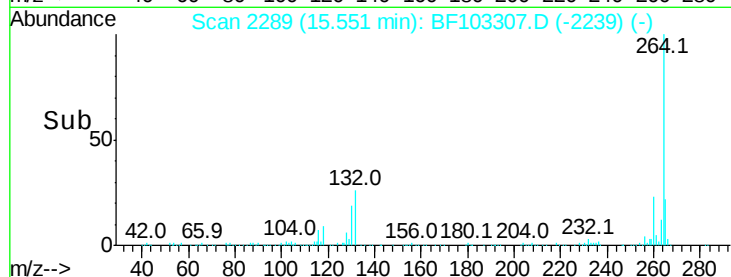
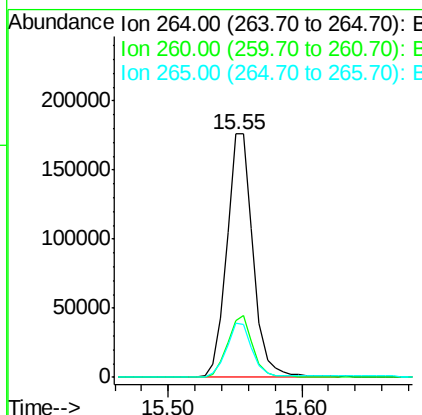
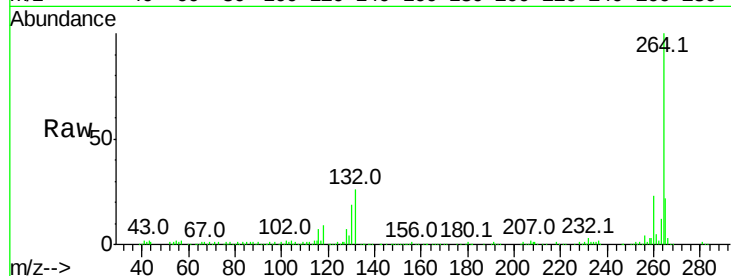




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.01 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

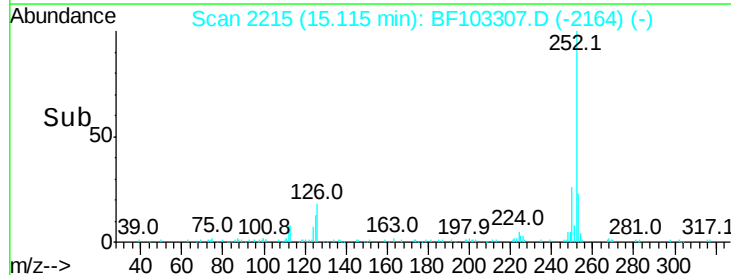
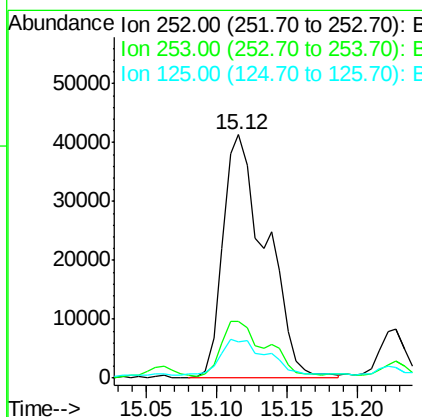
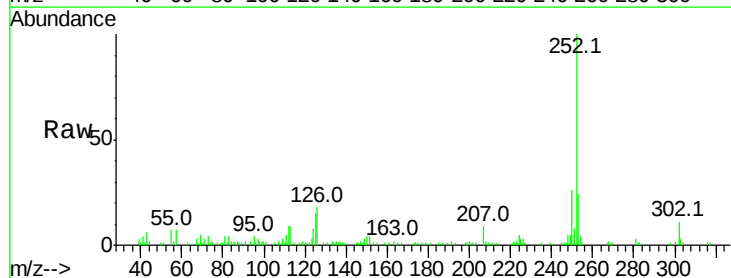
Instrument :
 BNA_F
 ClientSampleId :

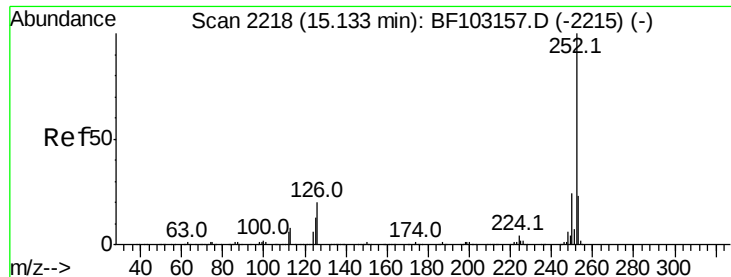
Tot Ion:264 Resp: 243927
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 22.1 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 5.503 ng
 RT: 15.12 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Tgt Ion:252 Resp: 88259
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.0 25.6
 125 15.1 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 5.844 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.04 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Instrument :

BNA_F

ClientSampleId :

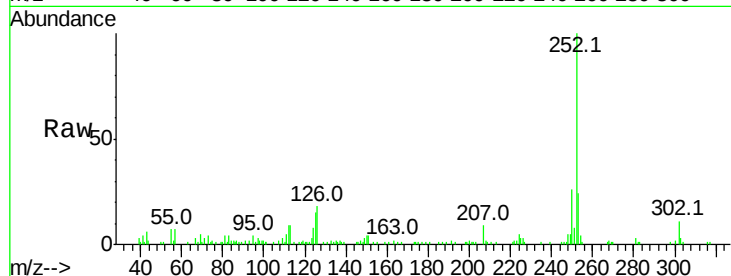
Tot Ion:252 Resp: 88259

Ion Ratio Lower Upper

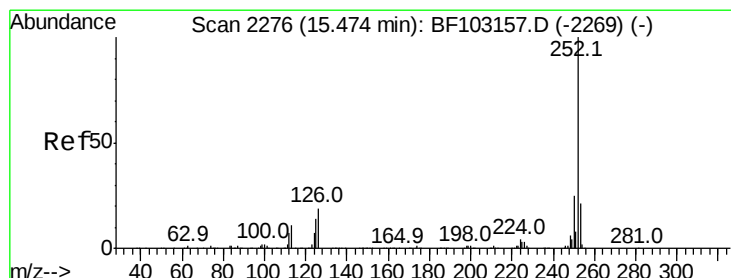
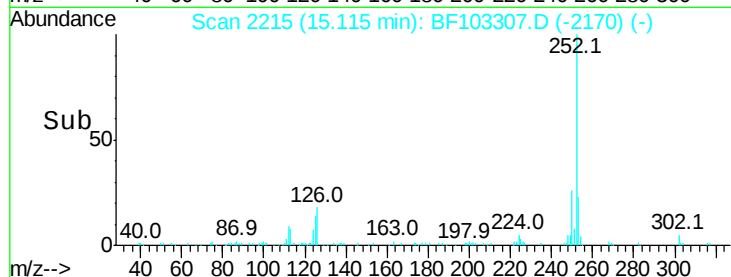
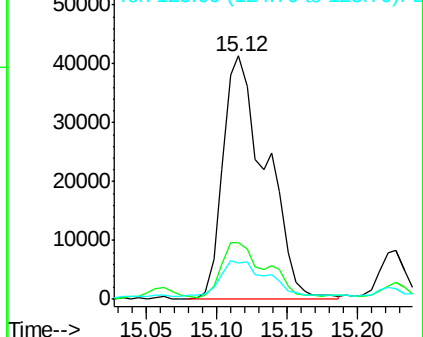
252 100

253 23.5 17.9 26.9

125 15.1 10.2 15.2



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



#89

Benzo(a)pyrene

Concen: 3.494 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

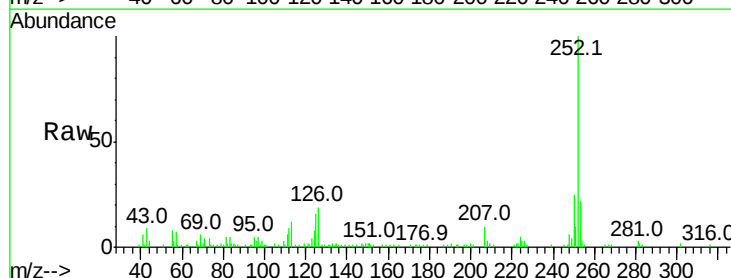
Tgt Ion:252 Resp: 50040

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 15.8 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

