

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100357.D
 Acq On : 9 Nov 2017 22:50
 Operator : SJ/JU
 Sample : I6379-07 50X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 00:29:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 16:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	163585	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	657109	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	304733	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	548160	20.00	ng	0.00
75) Chrysene-d12	14.06	240	332508	20.00	ng	0.00
86) Perylene-d12	15.54	264	355973	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	18531	1.82	ng	0.00
7) Phenol-d6	6.50	99	23658	1.88	ng	-0.02
23) Nitrobenzene-d5	7.45	82	12692	1.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.72	330	5381	1.73	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	29385	1.47	ng	-0.01
78) Terphenyl-d14	13.00	244	22692	1.57	ng	0.00

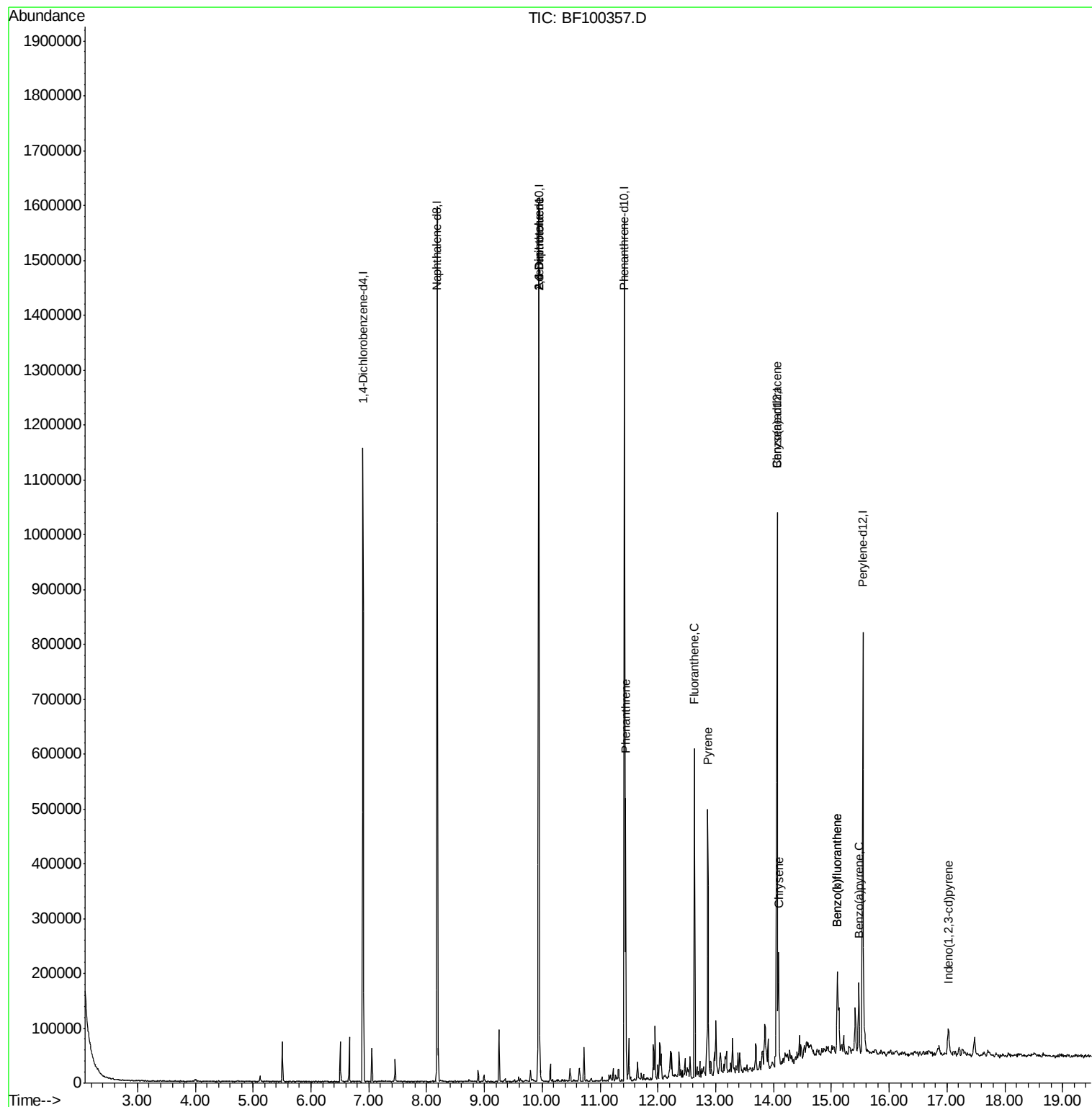
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	9.94	165	39601	8.599	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	39601	6.816	ng	# 23
70) Phenanthrene	11.45	178	172686	5.983	ng	98
74) Fluoranthene	12.63	202	219654	7.181	ng	96
77) Pyrene	12.86	202	183029	7.722	ng	97
80) Benzo(a)anthracene	14.05	228	73254	3.658	ng	95
82) Chrysene	14.09	228	68585	3.537	ng	95
85) Indeno(1,2,3-cd)pyrene	17.02	276	34949	2.228	ng	# 92
87) Benzo(b)fluoranthene	15.10	252	110568	5.243	ng	96
88) Benzo(k)fluoranthene	15.10	252	110568	5.549	ng	98
89) Benzo(a)pyrene	15.47	252	57722	3.087	ng	97

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

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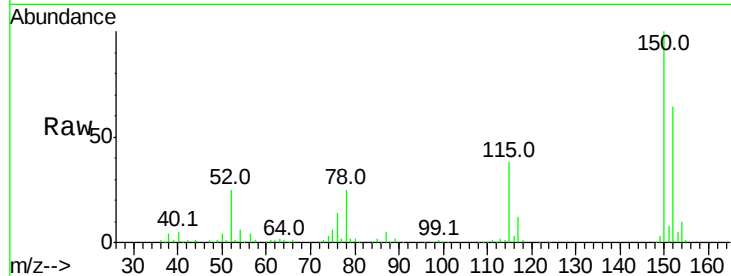


#1

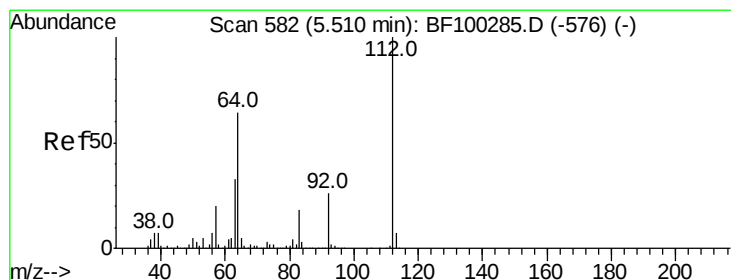
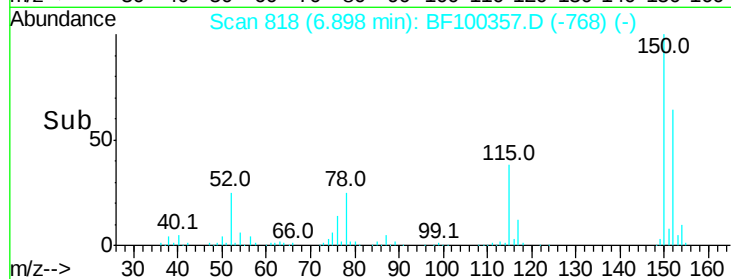
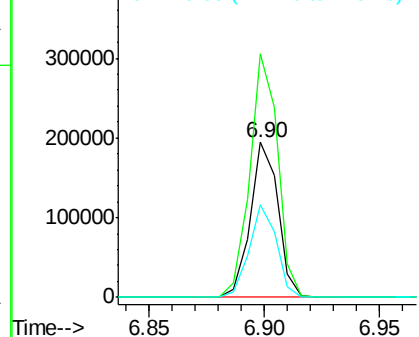
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100357.D
Acq: 9 Nov 2017 22:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 163585
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 60.1 50.1 75.1



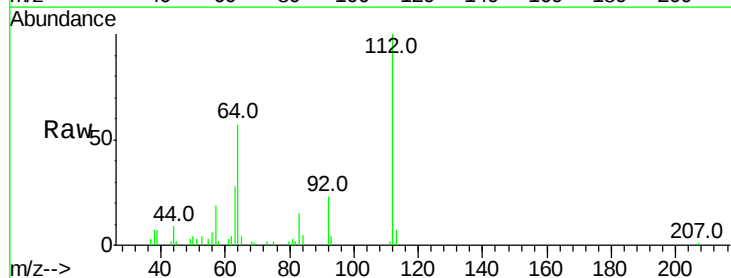
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



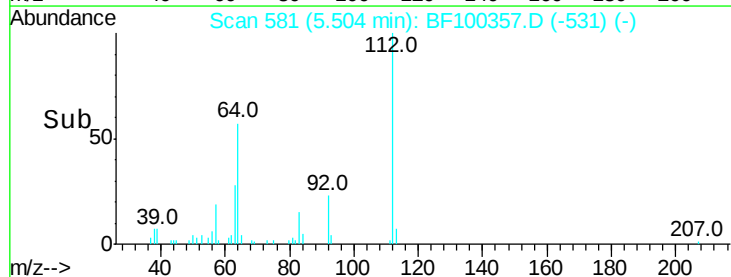
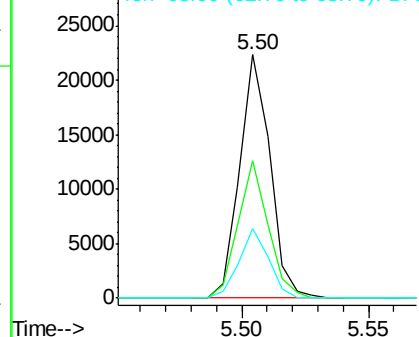
#5

2-Fluorophenol
Concen: 1.816 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF100357.D
Acq: 9 Nov 2017 22:50

Tgt Ion:112 Resp: 18531
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 28.5 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: 1.880 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF100357.D

Acq: 9 Nov 2017 22:50

Instrument :

BNA_F

ClientSampleId :

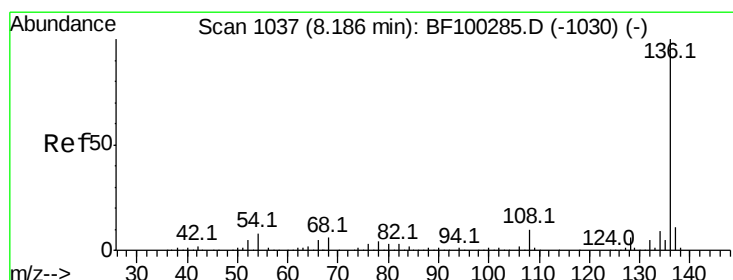
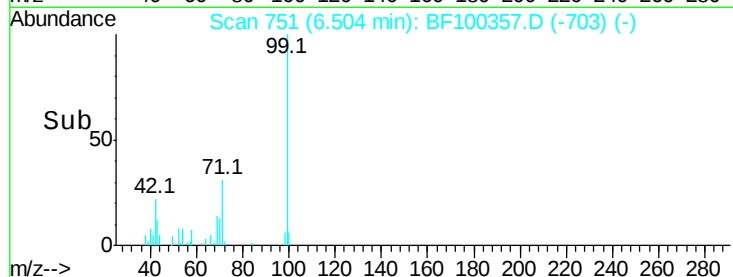
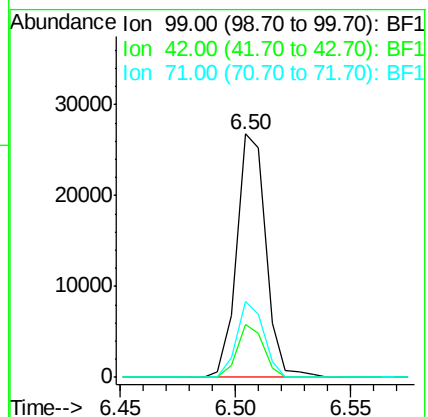
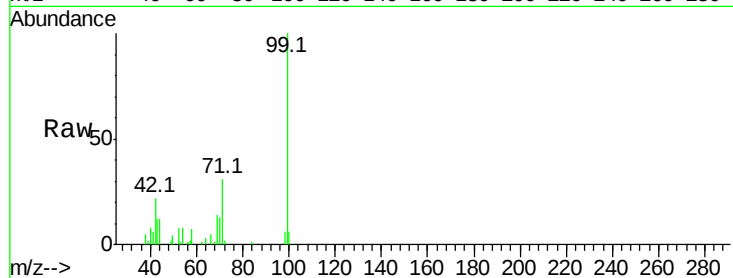
Tot Ion: 99 Resp: 23658

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

71 31.2 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF100357.D

Acq: 9 Nov 2017 22:50

Tgt Ion: 136 Resp: 657109

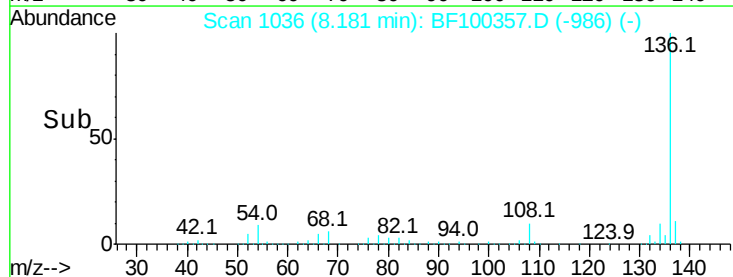
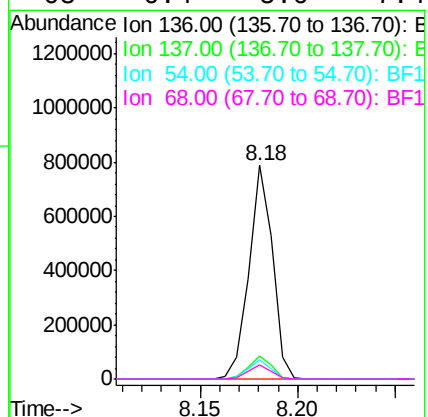
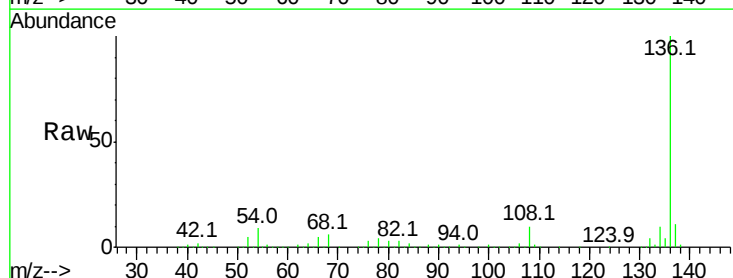
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.3 6.6 9.8

68 6.4 5.0 7.4

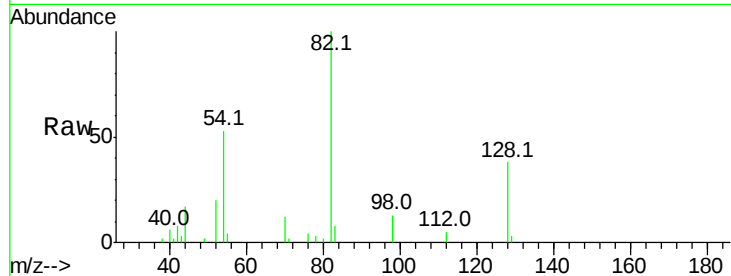




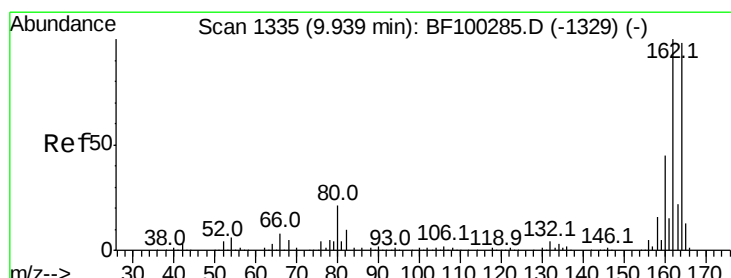
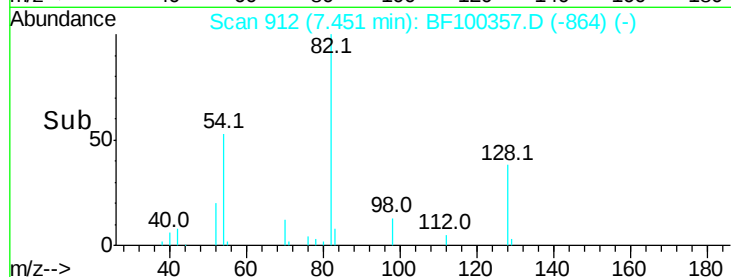
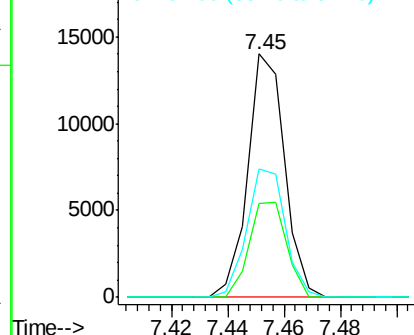
#23
Nitrobenzene-d5
Concen: 1.277 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF100357.D
Acq: 9 Nov 2017 22:50

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 12692
Ion Ratio Lower Upper
82 100
128 38.4 36.1 54.1
54 52.5 41.4 62.2

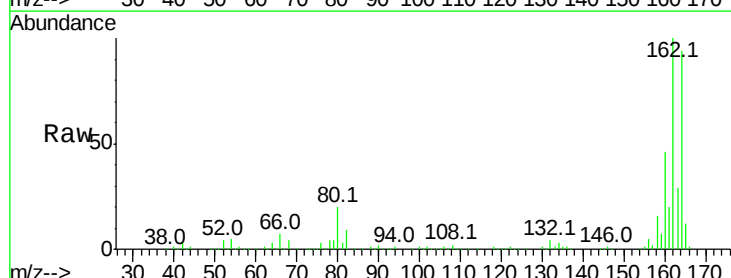


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

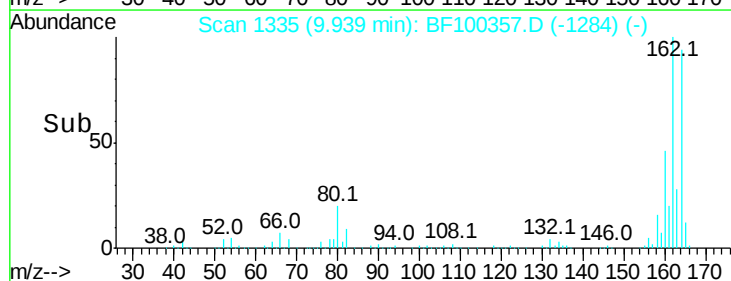
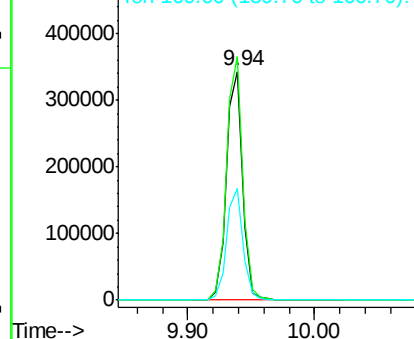


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF100357.D
Acq: 9 Nov 2017 22:50

Tgt Ion:164 Resp: 304733
Ion Ratio Lower Upper
164 100
162 106.6 86.1 129.1
160 49.2 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

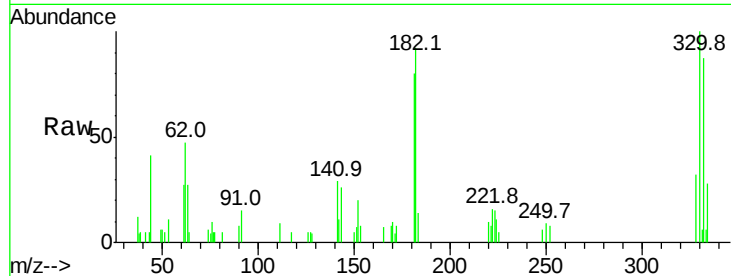




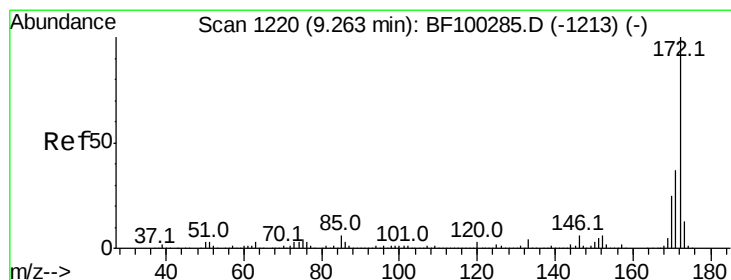
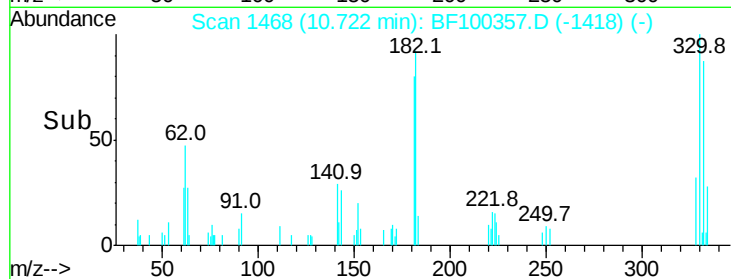
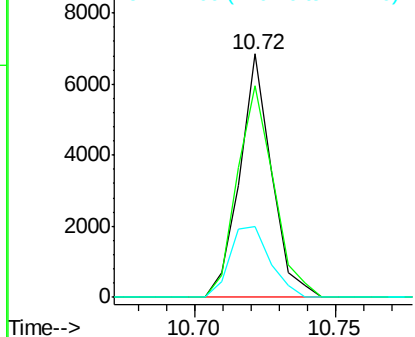
#41
 2,4,6-Tribromophenol
 Concen: 1.733 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BF100357.D
 Acq: 9 Nov 2017 22:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 5381
 Ion Ratio Lower Upper
 330 100
 332 99.1 77.0 115.6
 141 36.9 29.9 44.9

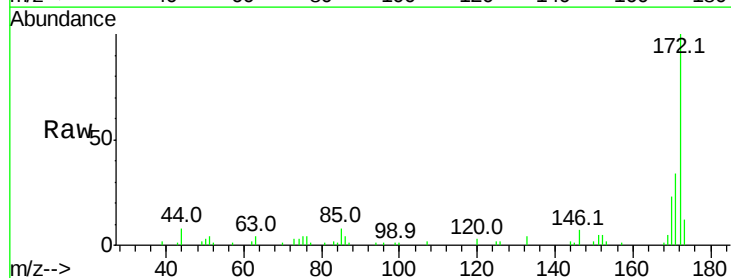


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

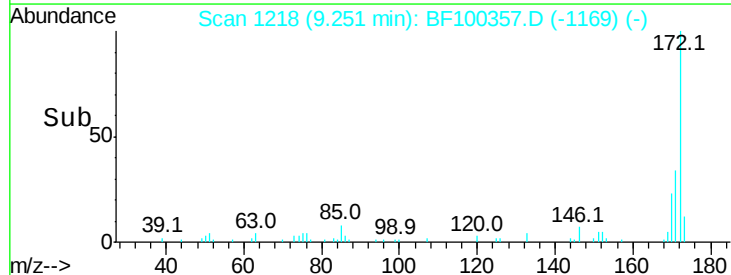
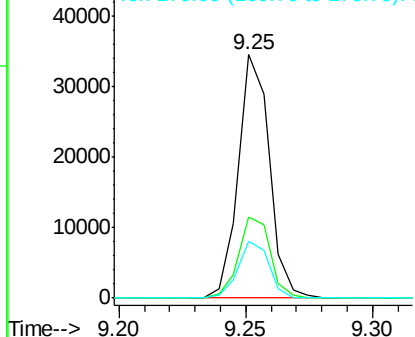


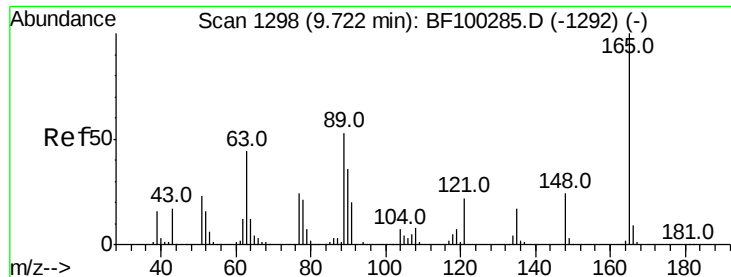
#44
 2-Fluorobiphenyl
 Concen: 1.468 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF100357.D
 Acq: 9 Nov 2017 22:50

Tgt Ion:172 Resp: 29385
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.7 44.5
 170 23.2 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

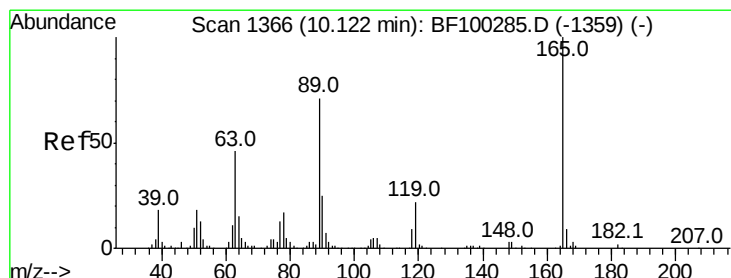
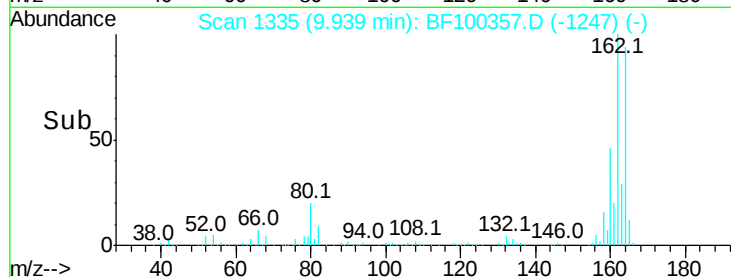
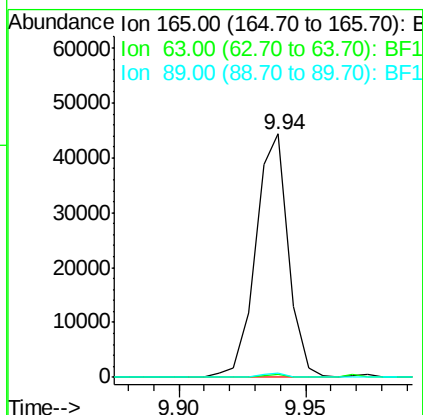
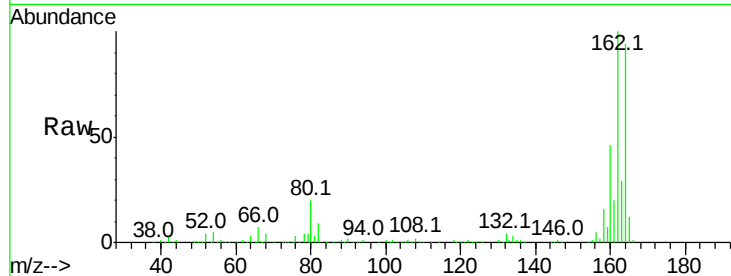




#50
 2,6-Dinitrotoluene
 Concen: 8.599 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.22 min
 Lab File: BF100357.D
 Acq: 9 Nov 2017 22:50

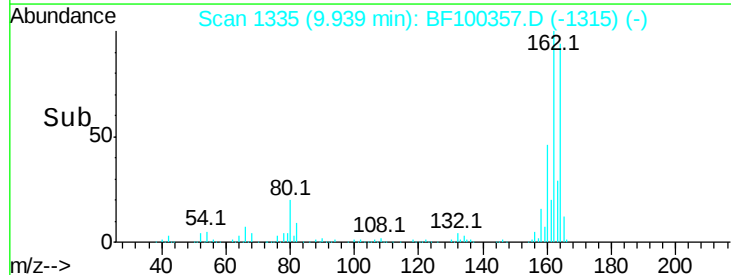
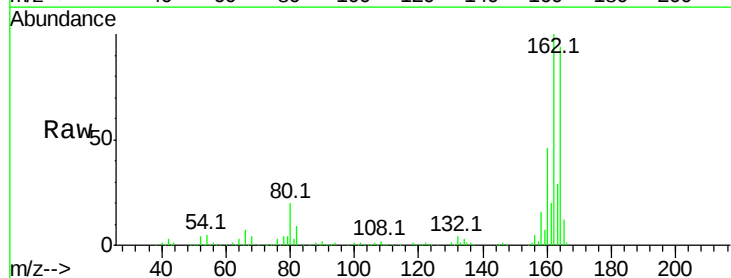
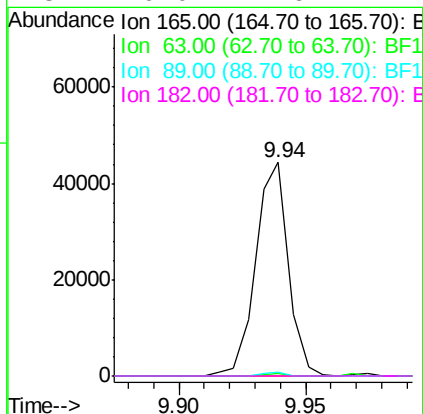
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.816 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.18 min
 Lab File: BF100357.D
 Acq: 9 Nov 2017 22:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

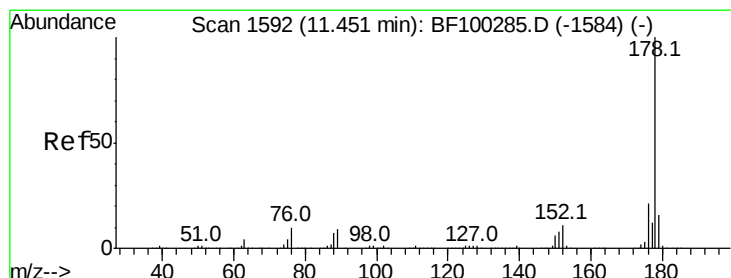
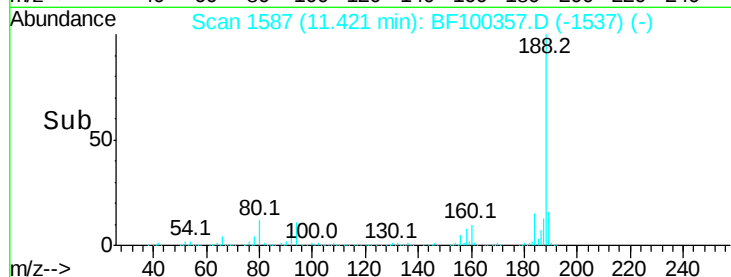
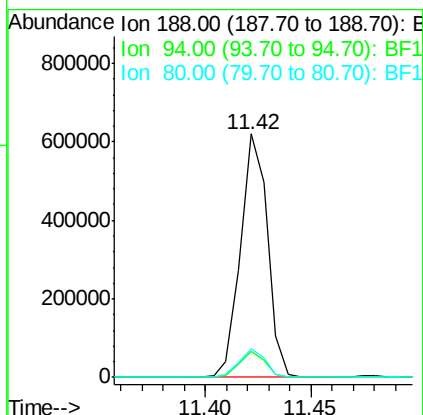
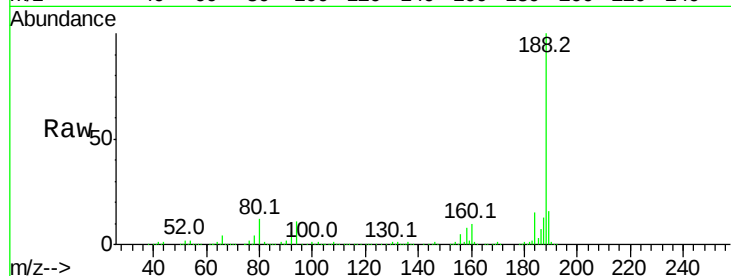




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100357.D
Acq: 9 Nov 2017 22:50

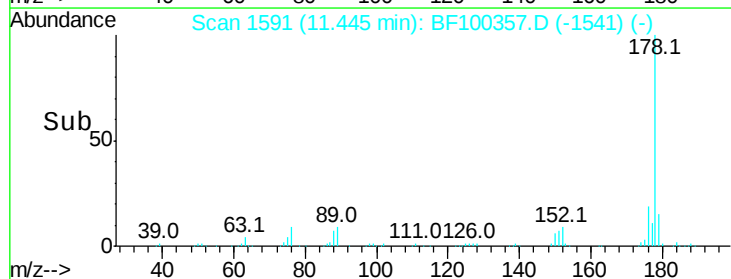
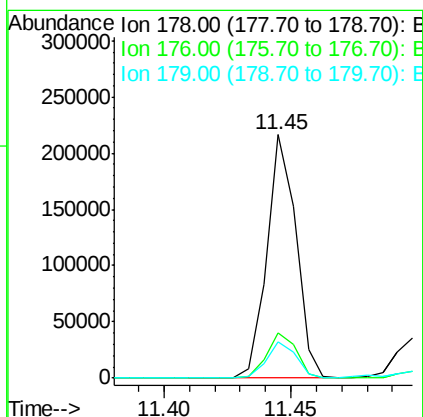
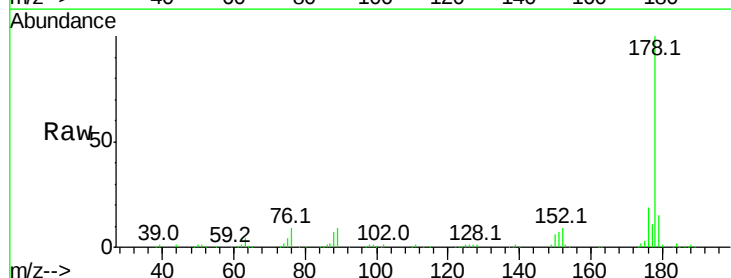
Instrument :
BNA_F
ClientSampleId :

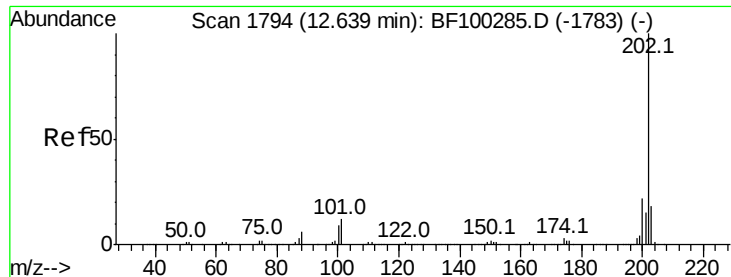
Tot Ion:188 Resp: 548160
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.9 9.2 13.8



#70
Phenanthrene
Concen: 5.983 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF100357.D
Acq: 9 Nov 2017 22:50

Tgt Ion:178 Resp: 172686
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.1 13.0 19.6





#74

Fluoranthene

Concen: 7.181 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF100357.D

Acq: 9 Nov 2017 22:50

Instrument :

BNA_F

ClientSampleId :

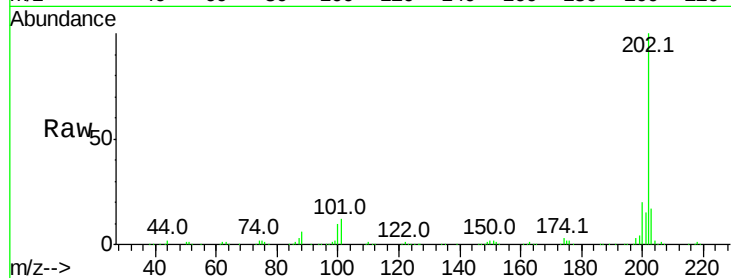
Tot Ion:202 Resp: 219654

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

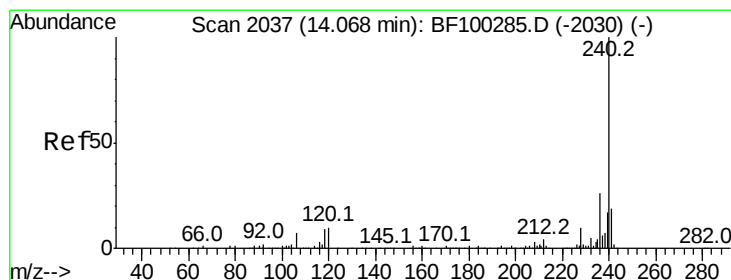
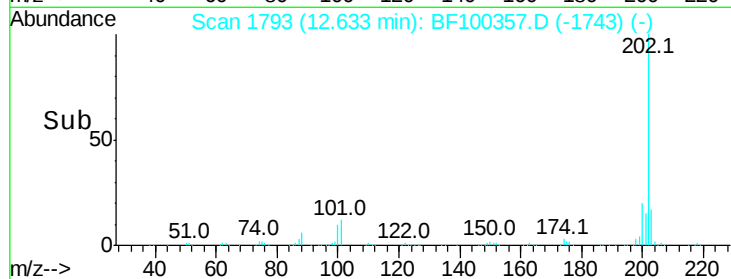
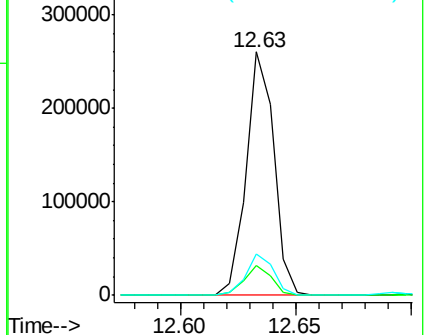
203 16.9 0.0 38.1



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# 2036

Delta R.T. -0.01 min

Lab File: BF100357.D

Acq: 9 Nov 2017 22:50

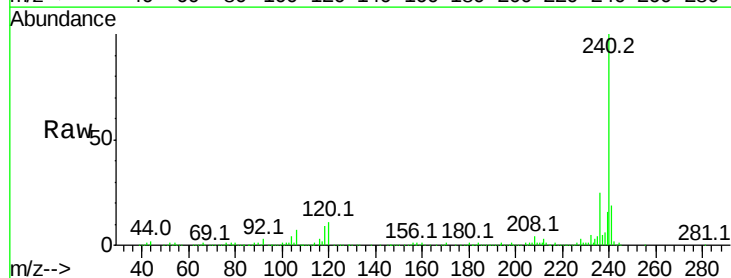
Tgt Ion:240 Resp: 332508

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

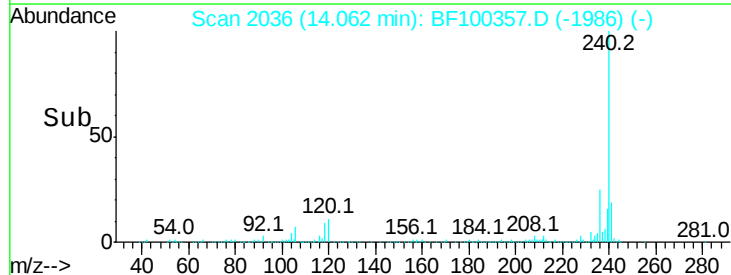
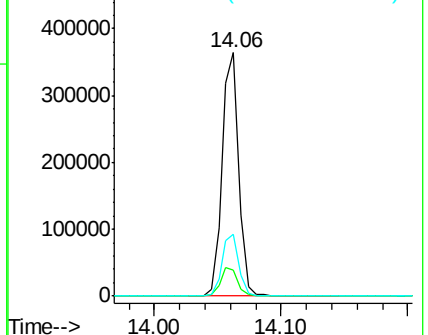
236 25.2 20.7 31.1

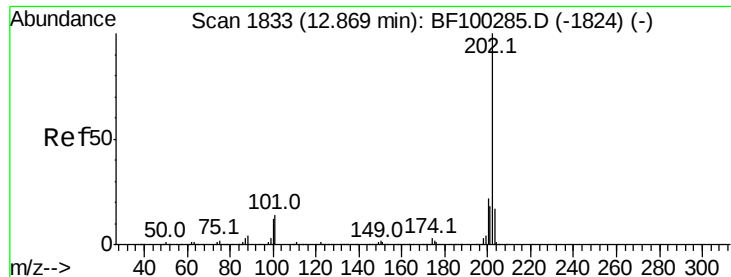


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.722 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF100357.D

Acq: 9 Nov 2017 22:50

Instrument :

BNA_F

ClientSampleId :

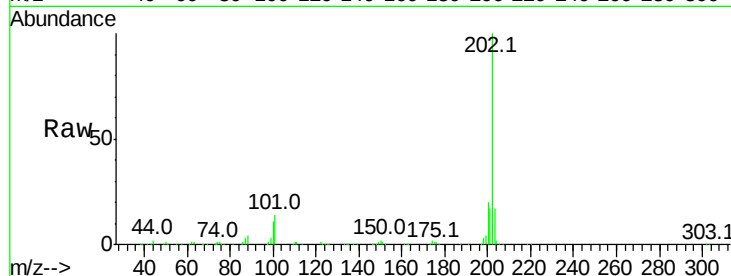
Tot Ion:202 Resp: 183029

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

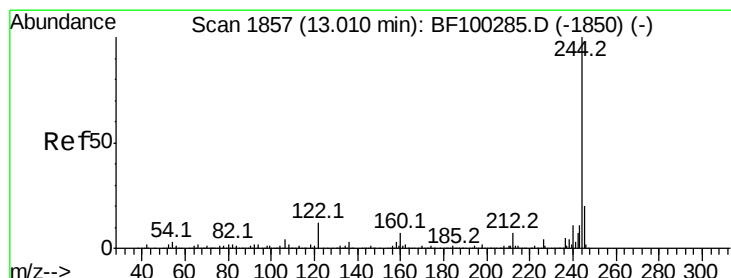
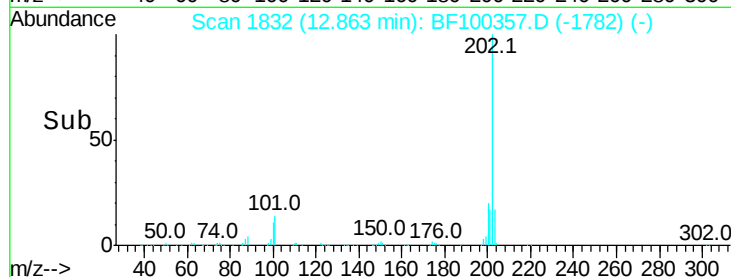
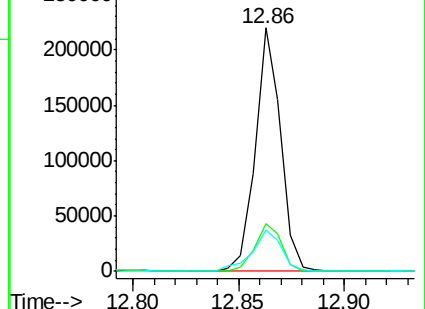
203 17.1 14.3 21.5



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: 1.568 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF100357.D

Acq: 9 Nov 2017 22:50

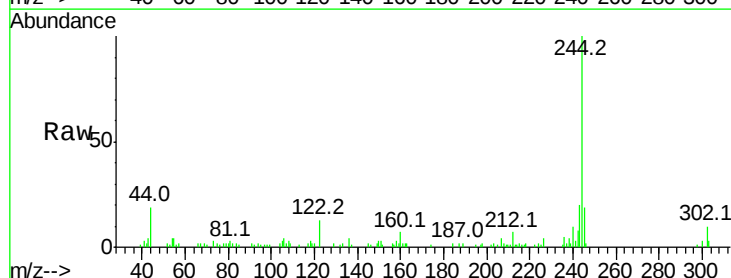
Tgt Ion:244 Resp: 22692

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

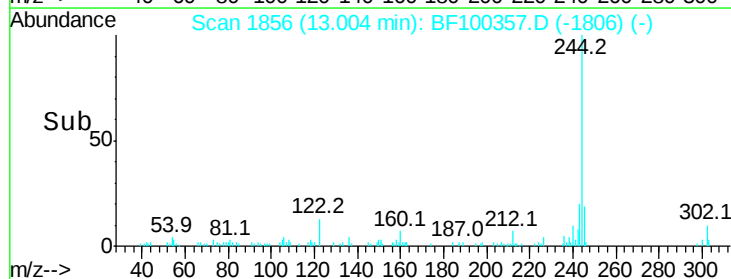
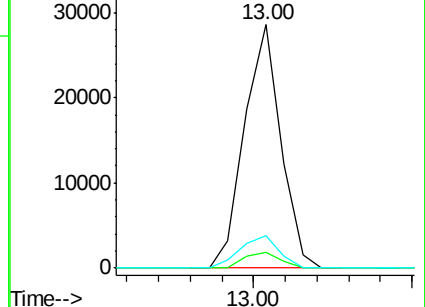
122 13.3 11.0 16.4

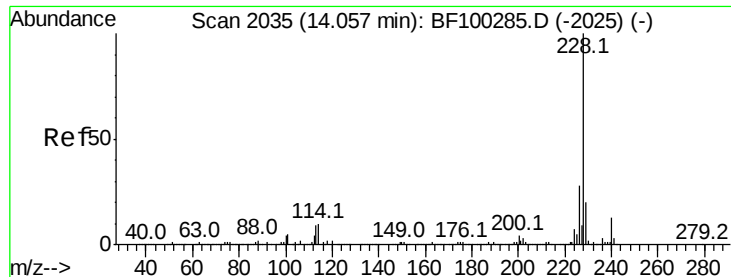


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.658 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF100357.D

Acq: 9 Nov 2017 22:50

Instrument :

BNA_F

ClientSampled :

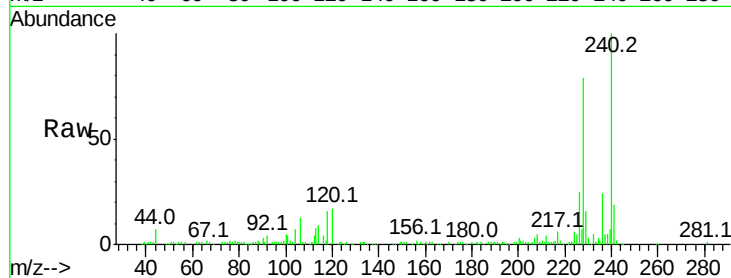
Tot Ion:228 Resp: 73254

Ion Ratio Lower Upper

228 100

226 32.0 22.6 33.8

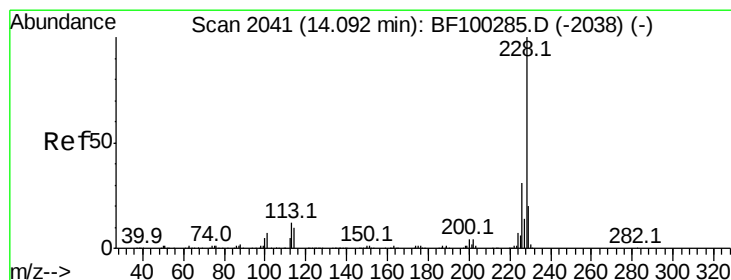
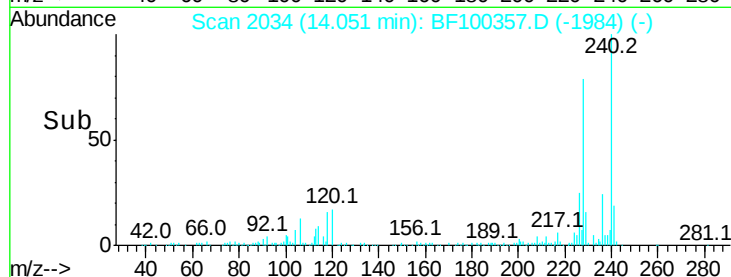
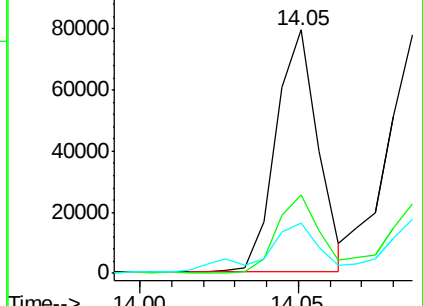
229 20.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.537 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF100357.D

Acq: 9 Nov 2017 22:50

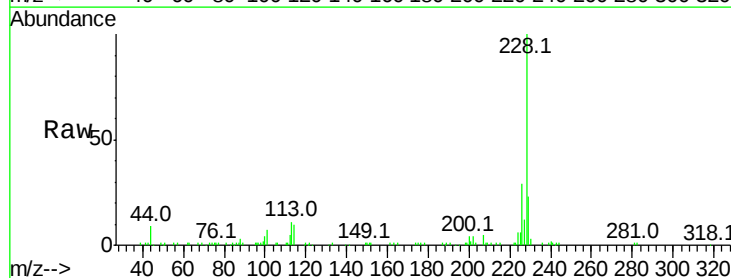
Tgt Ion:228 Resp: 68585

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

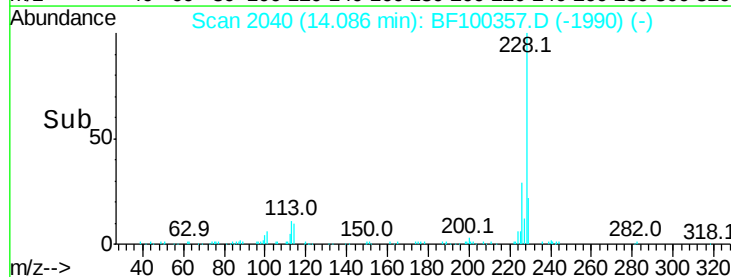
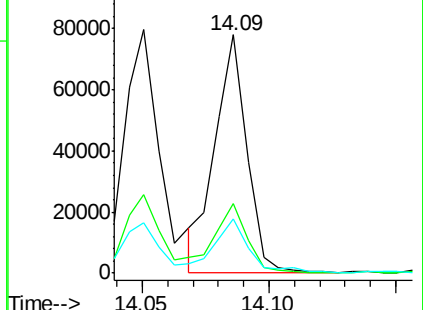
229 22.8 16.2 24.4

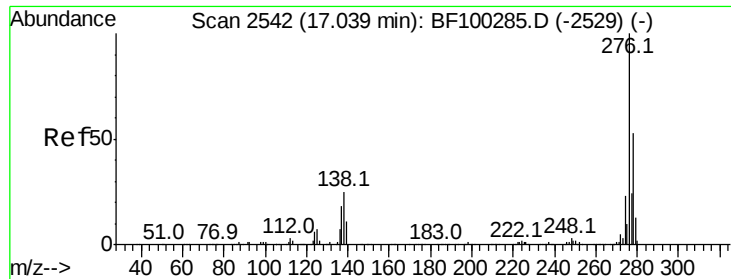


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

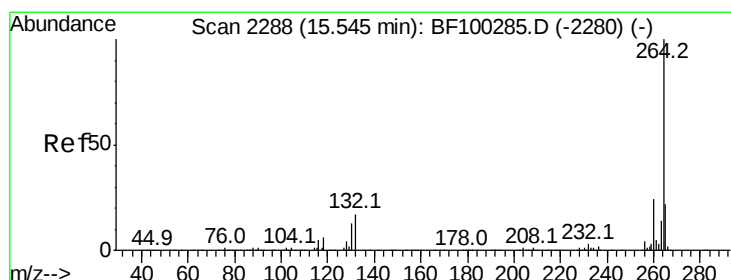
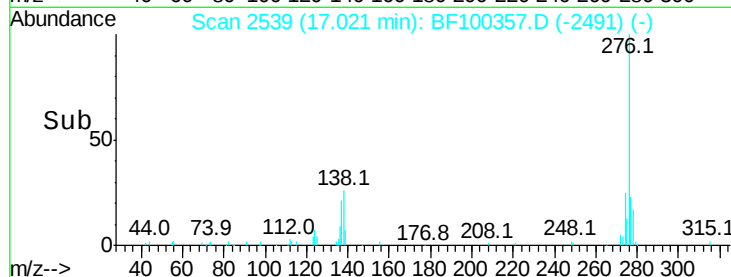
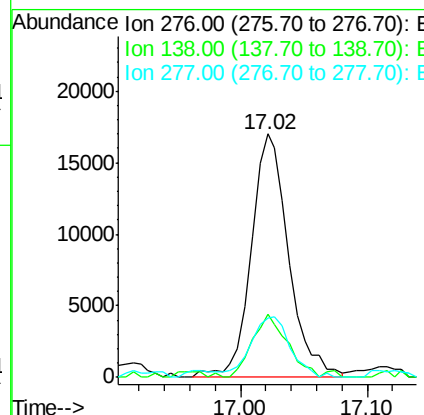
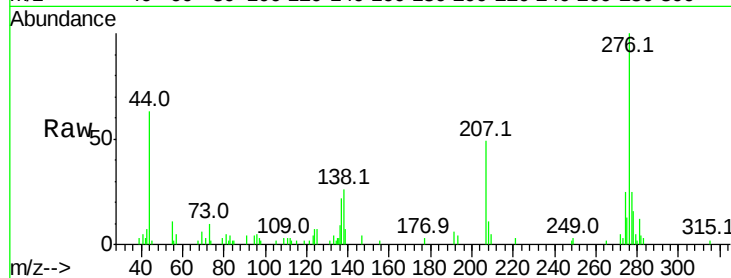




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.228 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. -0.02 min
 Lab File: BF100357.D
 Acq: 9 Nov 2017 22:50

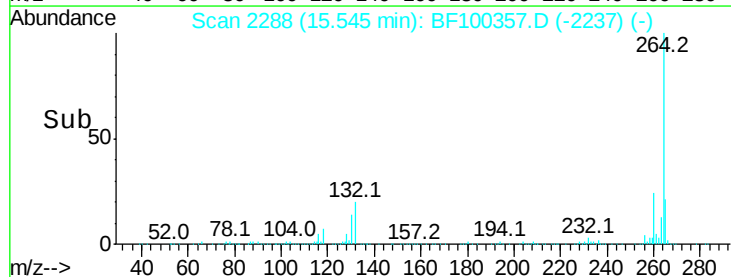
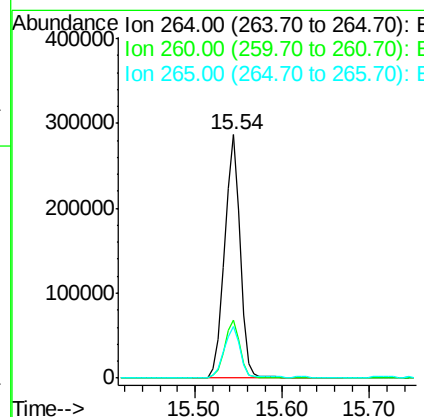
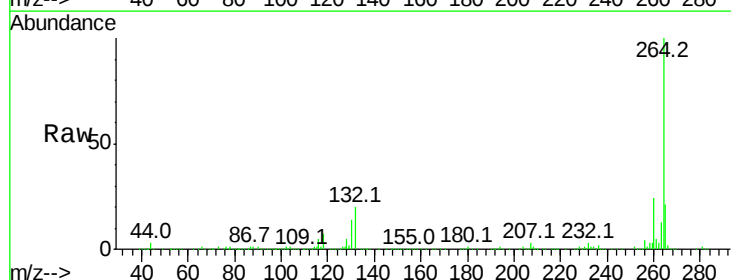
Instrument :
 BNA_F
 ClientSampleId :

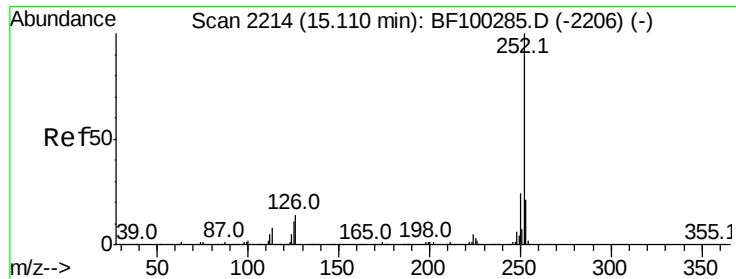
Tot Ion:276 Resp: 34949
 Ion Ratio Lower Upper
 276 100
 138 24.2 25.0 37.6#
 277 26.1 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: BF100357.D
 Acq: 9 Nov 2017 22:50

Tgt Ion:264 Resp: 355973
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.4 17.5 26.3

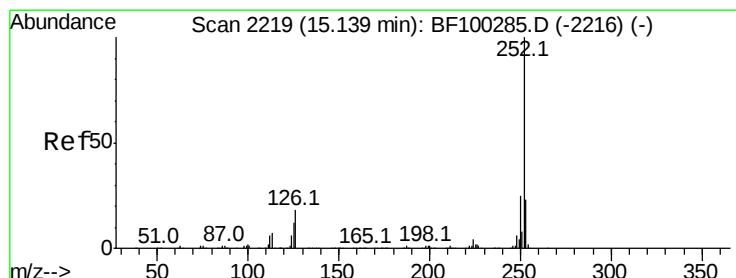
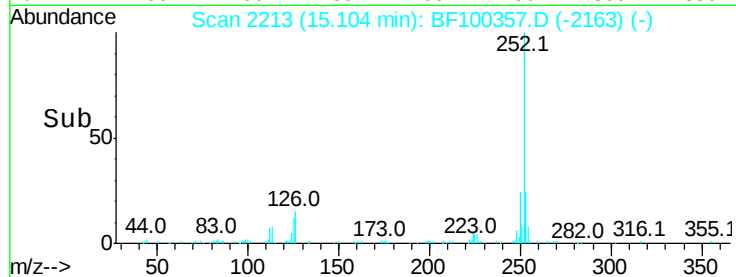
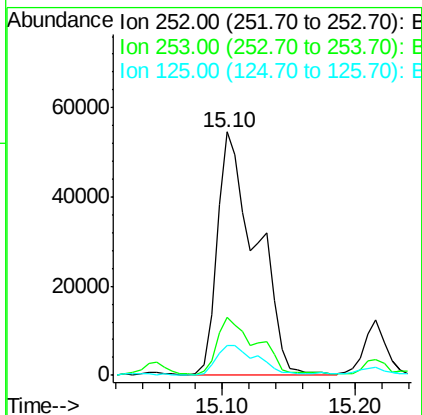
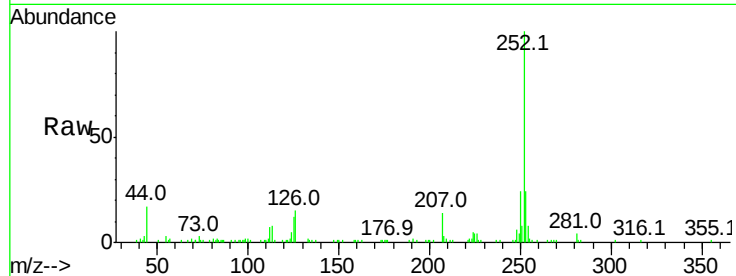




#87
Benzo(b)fluoranthene
Concen: 5.243 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF100357.D
Acq: 9 Nov 2017 22:50

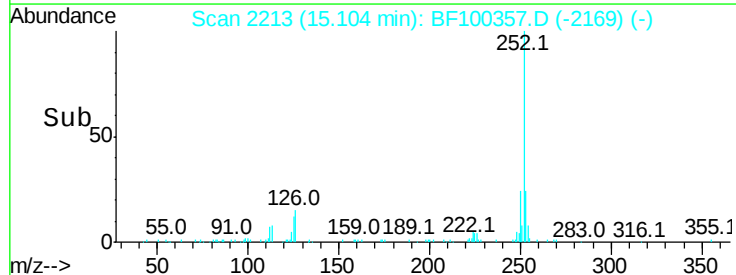
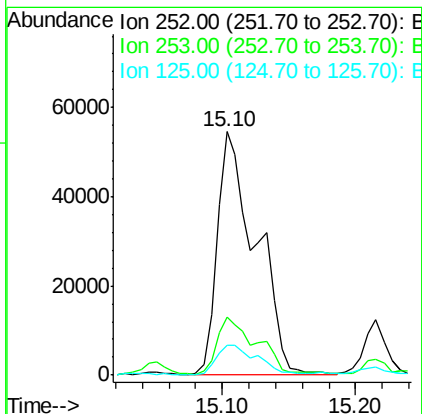
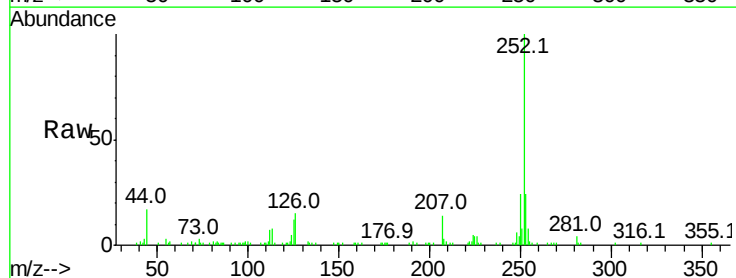
Instrument :
BNA_F
ClientSampleId :

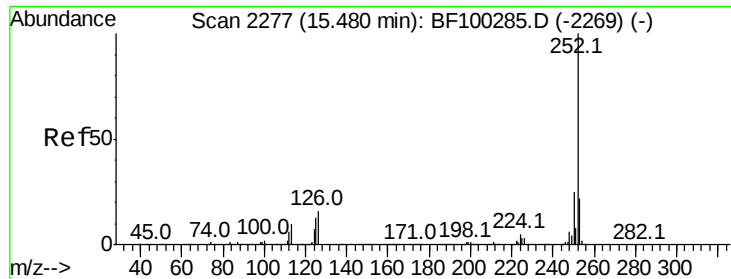
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	12.0	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 5.549 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF100357.D
Acq: 9 Nov 2017 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 3.087 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BF100357.D

Acq: 9 Nov 2017 22:50

Instrument :

BNA_F

ClientSampleId :

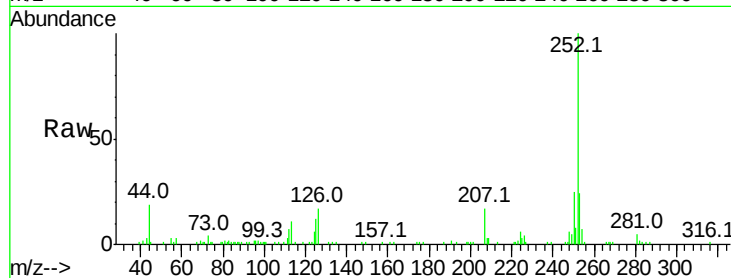
Tot Ion:252 Resp: 57722

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 12.3 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

