

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100359.D
 Acq On : 9 Nov 2017 23:44
 Operator : SJ/JU
 Sample : I6310-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 00:30:29 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	188337	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	728360	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	318319	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	534380	20.00	ng	0.00
75) Chrysene-d12	14.06	240	384054	20.00	ng	0.00
86) Perylene-d12	15.54	264	395903	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	655851	55.82	ng	0.00
7) Phenol-d6	6.52	99	804876	55.55	ng	0.00
23) Nitrobenzene-d5	7.46	82	498481	45.25	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	179660	55.39	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	882326	42.21	ng	0.00
78) Terphenyl-d14	13.00	244	589002	35.24	ng	0.00

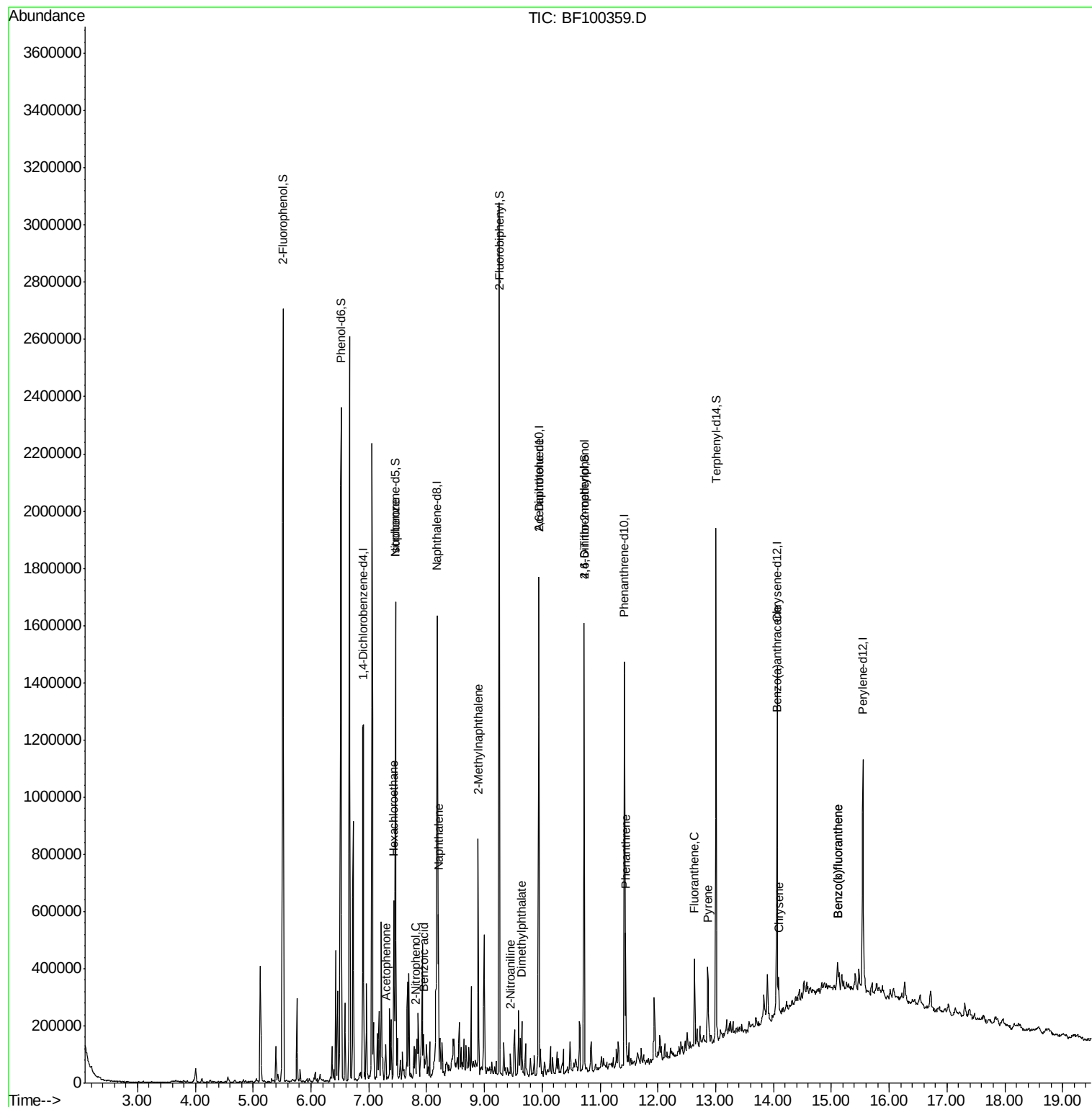
Target Compounds				Qvalue		
18) Hexachloroethane	7.43	117	24519	5.127	ng	# 1
22) Acetophenone	7.29	105	37306	2.100	ng	# 59
25) Isophorone	7.46	82	495938	21.422	ng	# 64
26) 2-Nitrophenol	7.80	139	107	5.397	ng	# 1
31) Naphthalene	8.20	128	153546	4.377	ng	# 98
32) Benzoic acid	7.96	122	109	9.382	ng	# 1
37) 2-Methylnaphthalene	8.89	142	211334	9.074	ng	# 98
47) 2-Nitroaniline	9.45	65	549	2.872	ng	# 2
49) Dimethylphthalate	9.65	163	51437	2.116	ng	# 99
50) 2,6-Dinitrotoluene	9.94	165	44139	9.175	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.73	198	326	8.669	ng	# 1
70) Phenanthrene	11.45	178	158354	5.628	ng	# 99
74) Fluoranthene	12.63	202	114972	3.856	ng	# 99
77) Pyrene	12.86	202	101460	3.706	ng	# 97
80) Benzo(a)anthracene	14.05	228	53116	2.297	ng	# 96
82) Chrysene	14.09	228	47023	2.100	ng	# 97
87) Benzo(b)fluoranthene	15.11	252	69715	2.972	ng	# 87
88) Benzo(k)fluoranthene	15.11	252	69715	3.146	ng	# 90

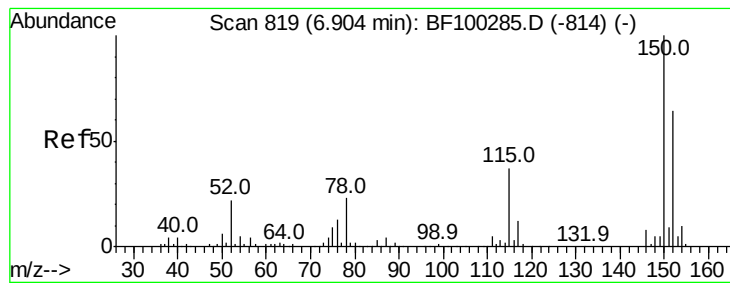
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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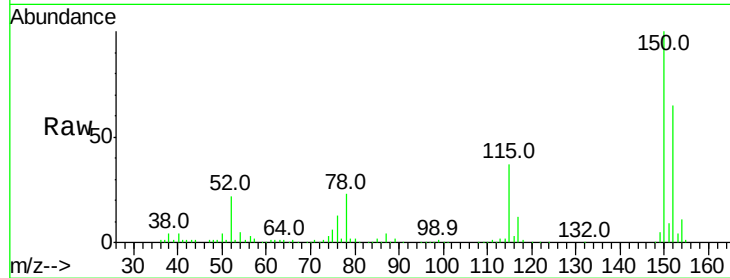


#1

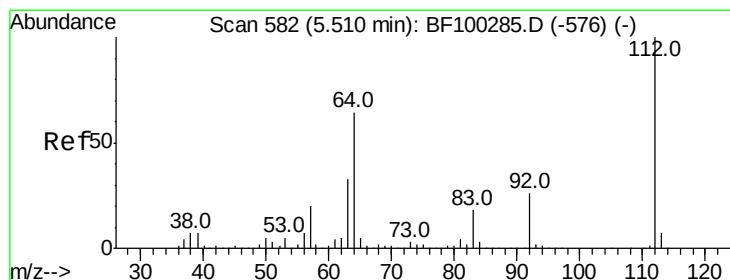
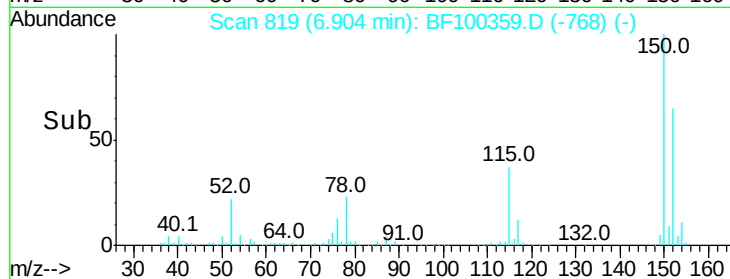
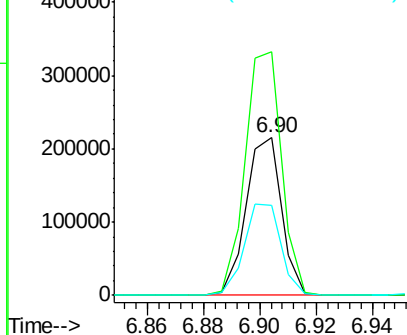
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 188337
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 56.8 50.1 75.1



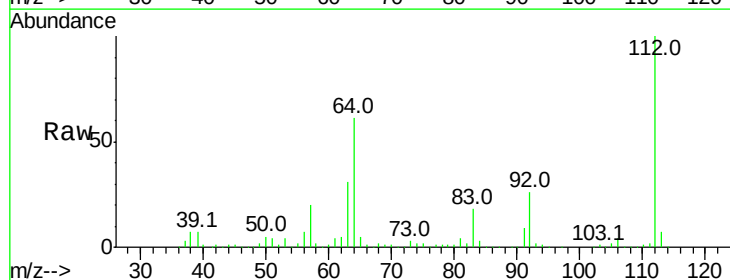
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



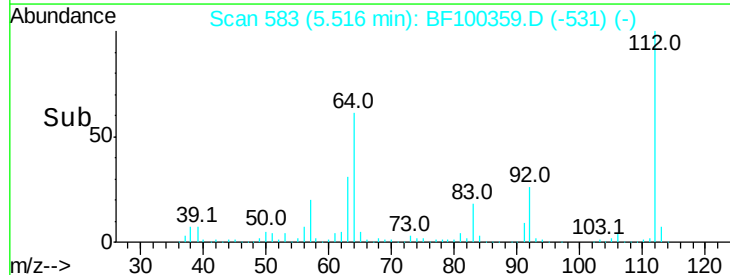
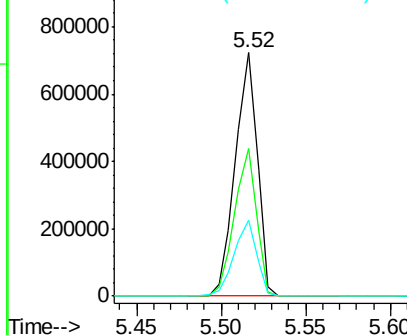
#5

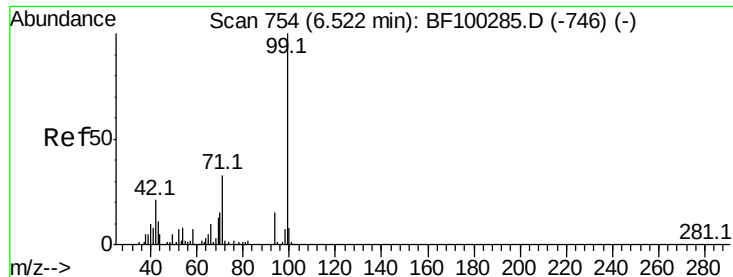
2-Fluorophenol
Concen: 55.821 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

Tgt Ion:112 Resp: 655851
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 31.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 55.554 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

Instrument :

BNA_F

ClientSampleId :

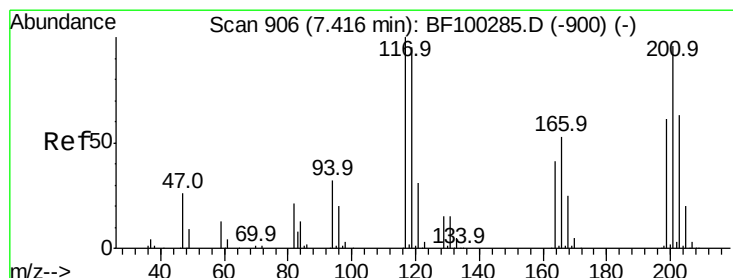
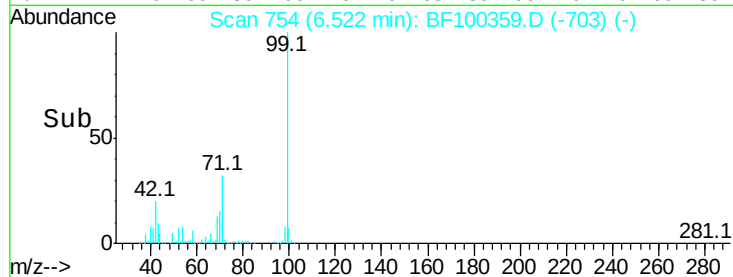
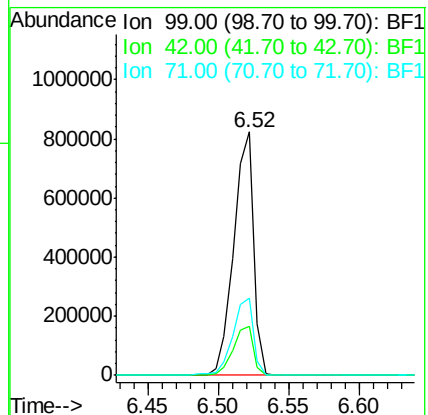
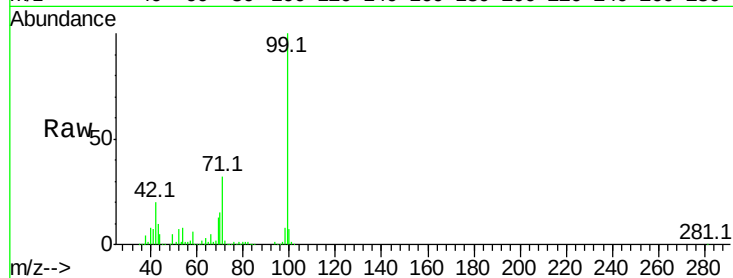
Tot Ion: 99 Resp: 804876

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 31.8 25.4 38.0



#18

Hexachloroethane

Concen: 5.127 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.02 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

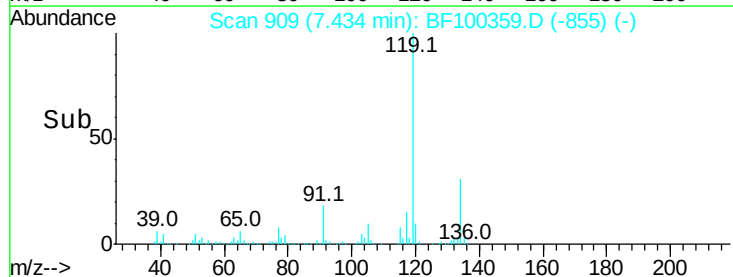
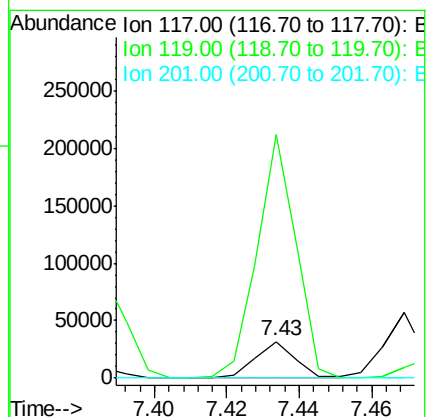
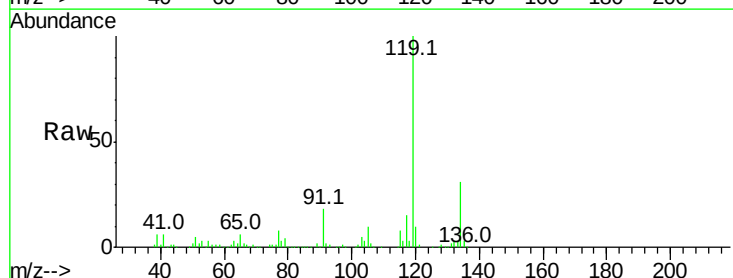
Tgt Ion: 117 Resp: 24519

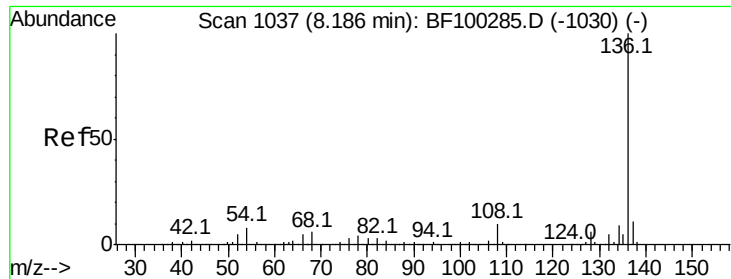
Ion Ratio Lower Upper

117 100

119 665.1 75.8 113.8#

201 0.0 75.7 113.5#

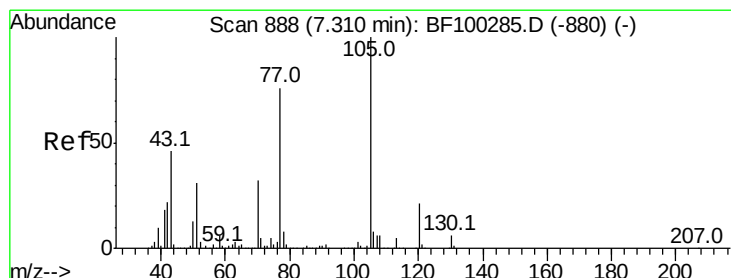
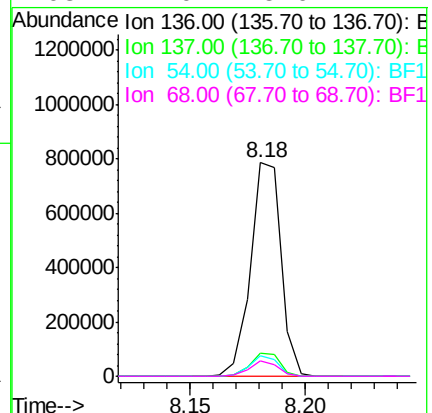
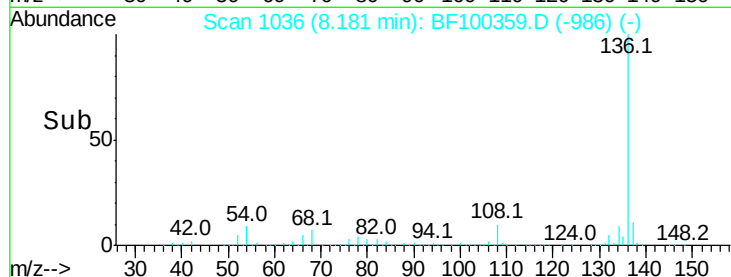
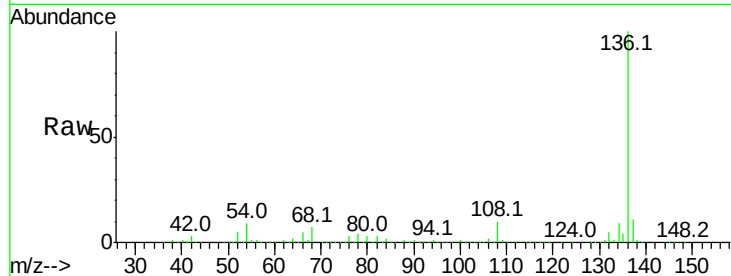




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

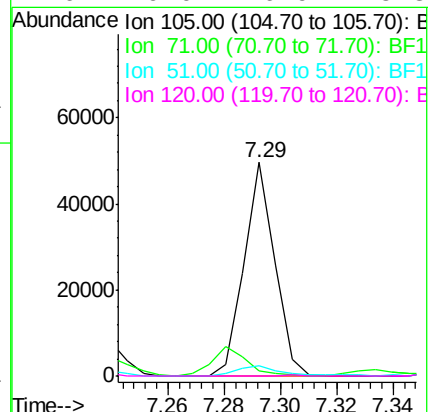
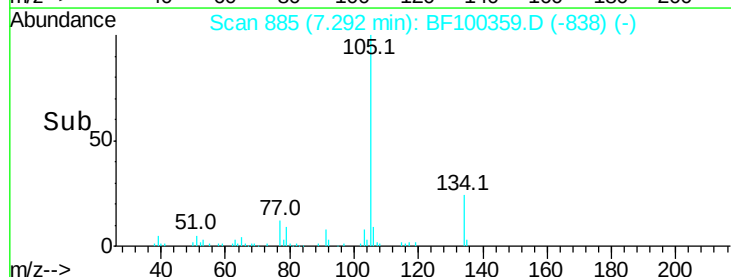
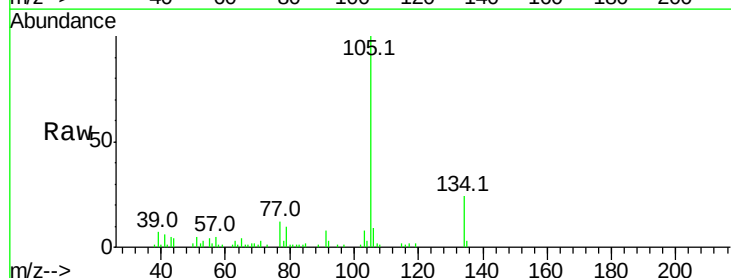
Instrument :
BNA_F
ClientSampleId :

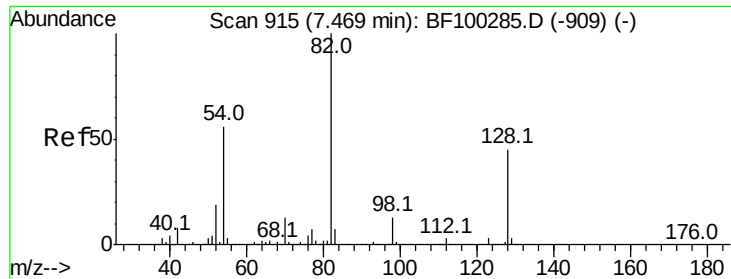
Tot Ion:136	Resp:	728360
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	9.4	6.6 9.8
68	7.0	5.0 7.4



#22
Acetophenone
Concen: 2.100 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.02 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

Tgt Ion:105	Resp:	37306
Ion Ratio	Lower	Upper
105	100	
71	2.7	4.4 6.6#
51	4.5	22.3 33.5#
120	0.0	16.9 25.3#

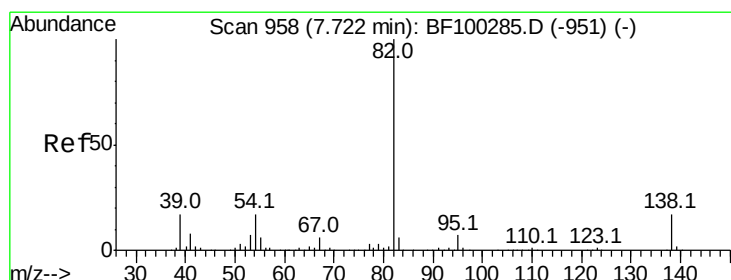
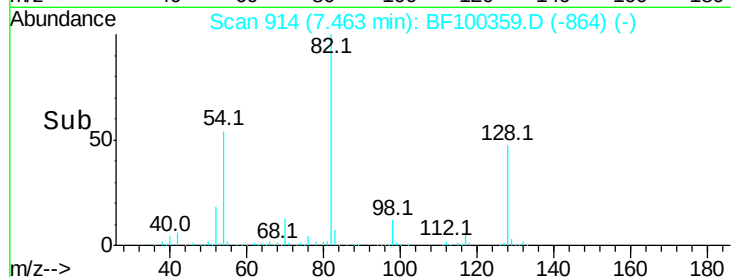
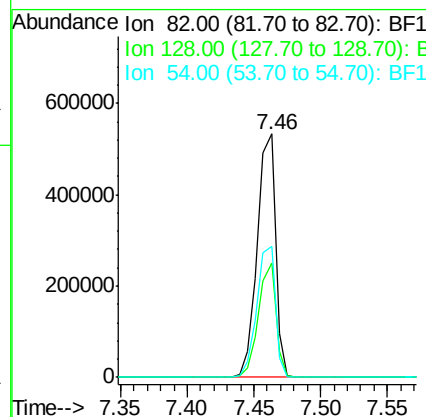
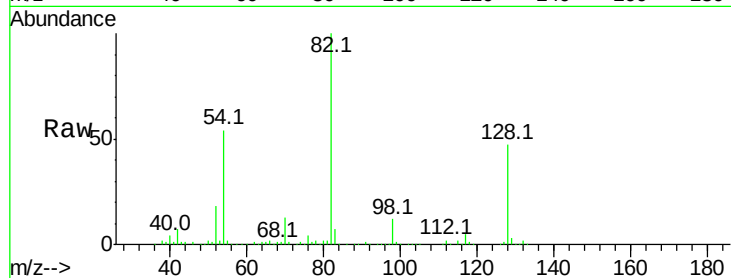




#23
 Nitrobenzene-d5
 Concen: 45.247 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF100359.D
 Acq: 9 Nov 2017 23:44

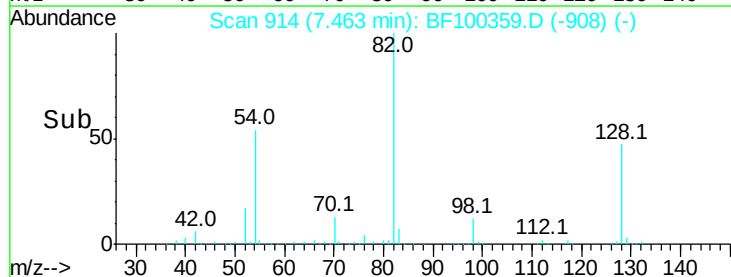
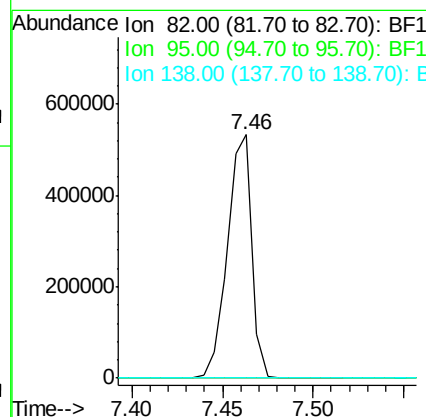
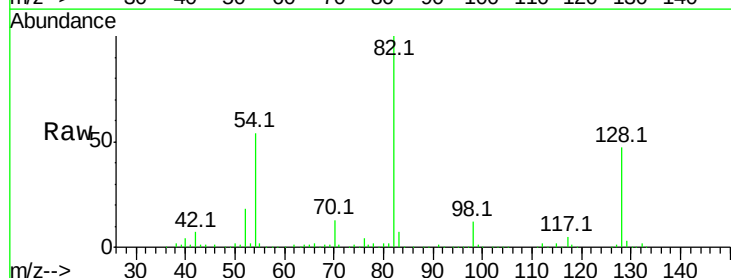
Instrument :
 BNA_F
 ClientSampled :

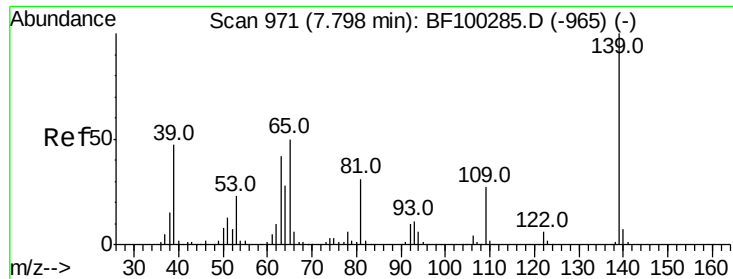
Tot Ion	82	Resp	498481
Ion Ratio	100	Lower	Upper
128	47.2	36.1	54.1
54	53.7	41.4	62.2



#25
 Isophorone
 Concen: 21.422 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.26 min
 Lab File: BF100359.D
 Acq: 9 Nov 2017 23:44

Tgt Ion	82	Resp	495938
Ion Ratio	100	Lower	Upper
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#

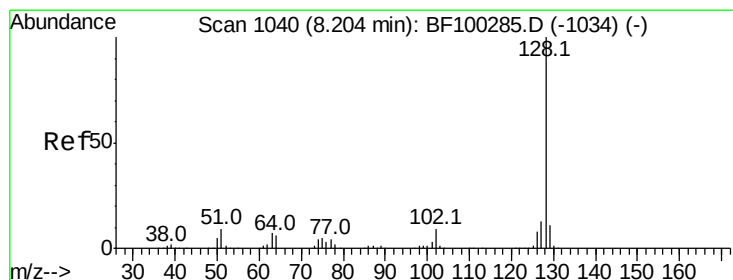
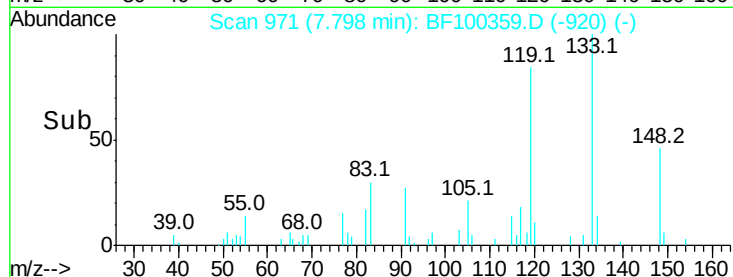
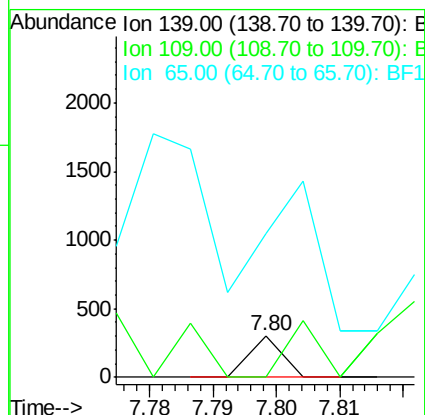
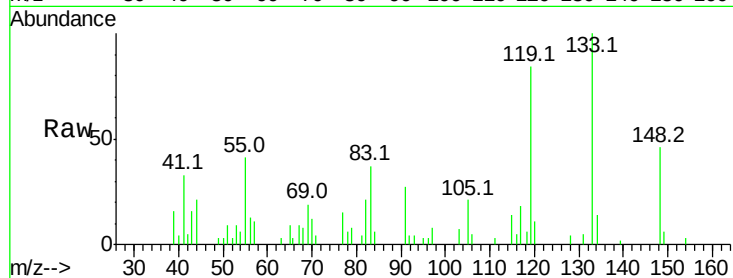




#26
2-Nitrophenol
Concen: 5.397 ng
RT: 7.80 min Scan# 971
Delta R.T. 0.00 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

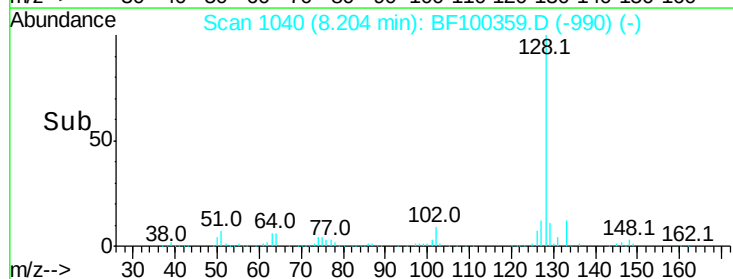
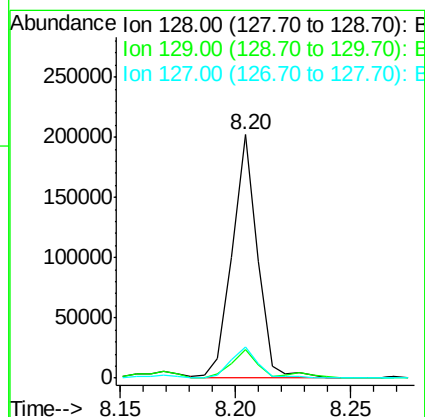
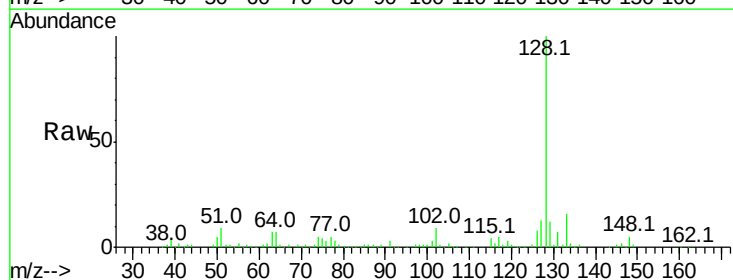
Instrument :
BNA_F
ClientSampled :

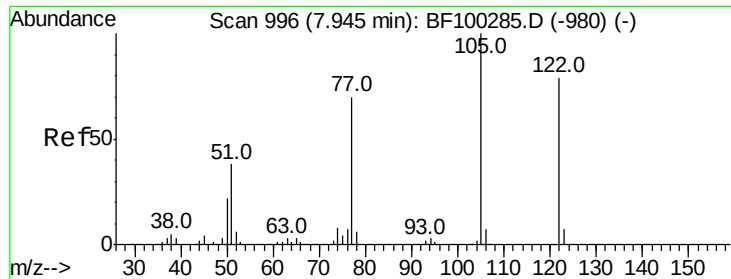
Tot Ion:139 Resp: 107
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 344.6 40.5 60.7#



#31
Naphthalene
Concen: 4.377 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

Tgt Ion:128 Resp: 153546
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 12.9 10.9 16.3





#32

Benzoic acid

Concen: 9.382 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.01 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

Instrument :

BNA_F

ClientSampleId :

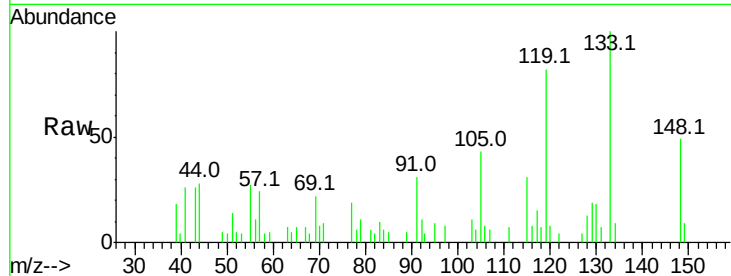
Tot Ion:122 Resp: 109

Ion Ratio Lower Upper

122 100

105 1070.3 101.1 141.1#

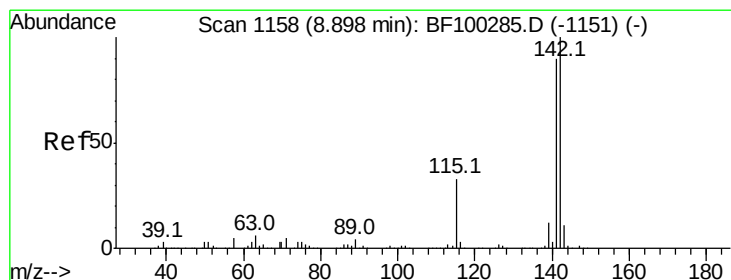
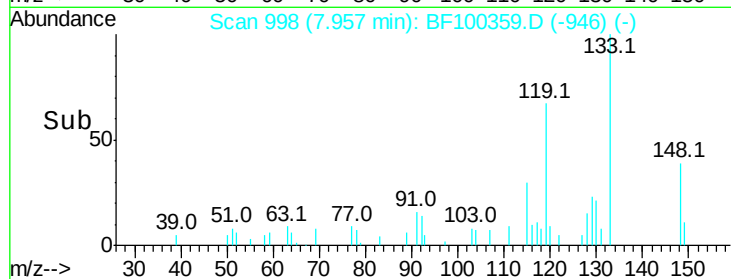
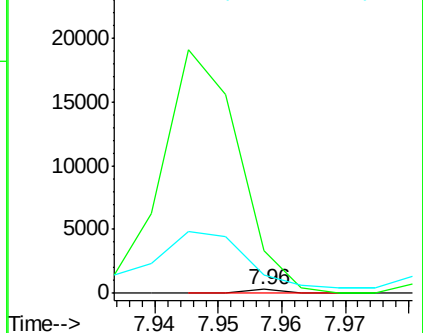
77 469.0 70.7 110.7#



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



#37

2-Methylnaphthalene

Concen: 9.074 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

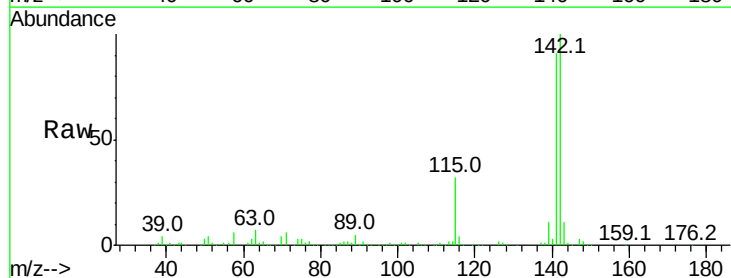
Tgt Ion:142 Resp: 211334

Ion Ratio Lower Upper

142 100

141 91.0 70.8 106.2

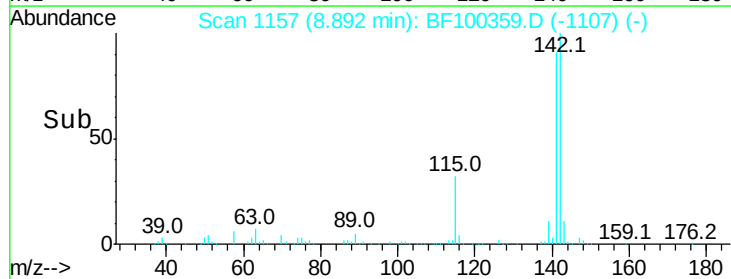
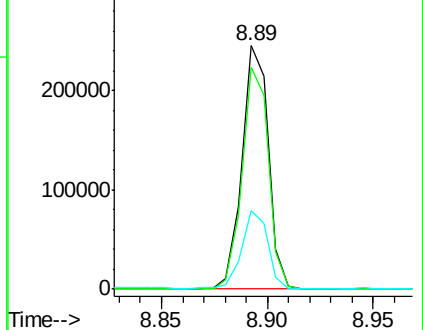
115 32.4 26.1 39.1

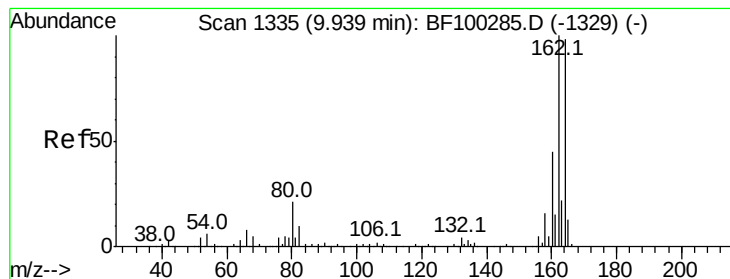


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

Instrument :

BNA_F

ClientSampleId :

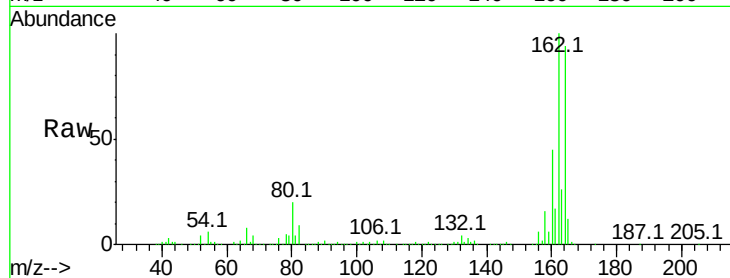
Tot Ion:164 Resp: 318319

Ion Ratio Lower Upper

164 100

162 106.6 86.1 129.1

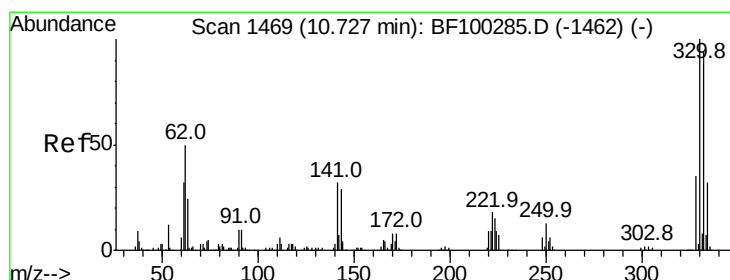
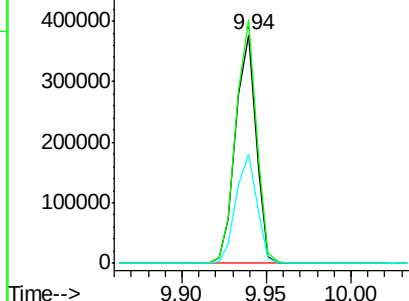
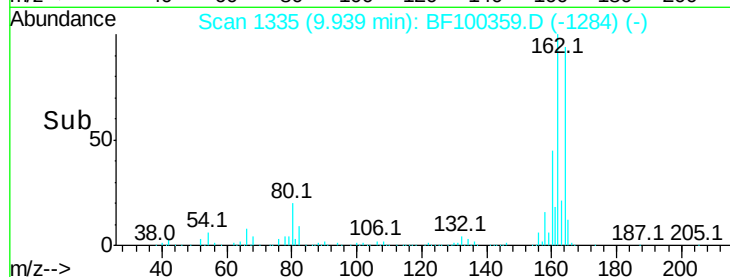
160 47.7 38.3 57.5



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: 55.388 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

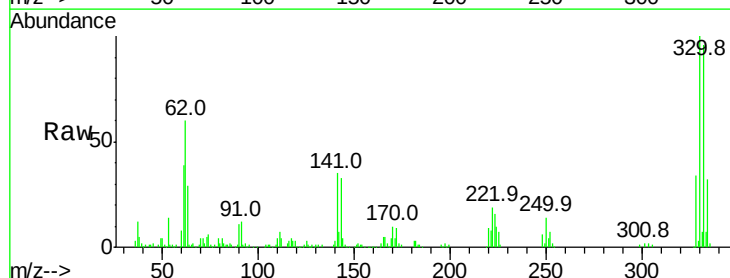
Tgt Ion:330 Resp: 179660

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

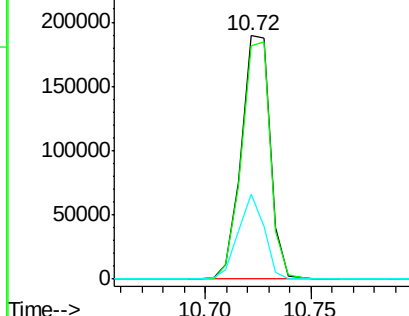
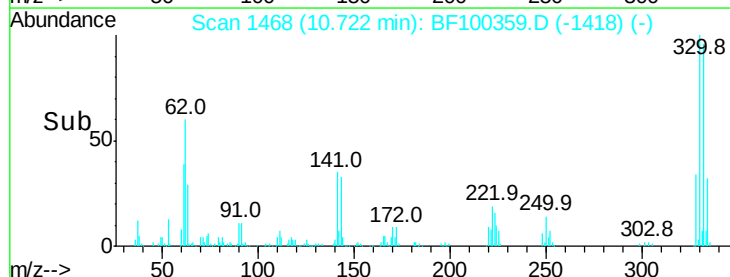
141 32.5 29.9 44.9

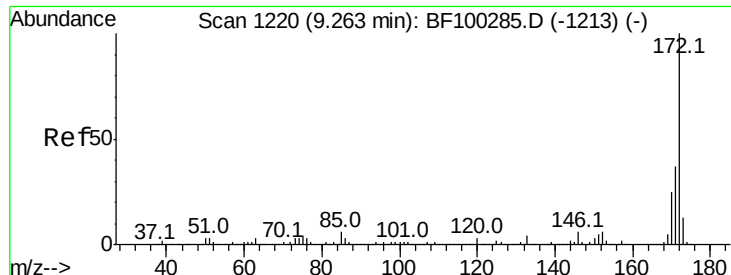


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

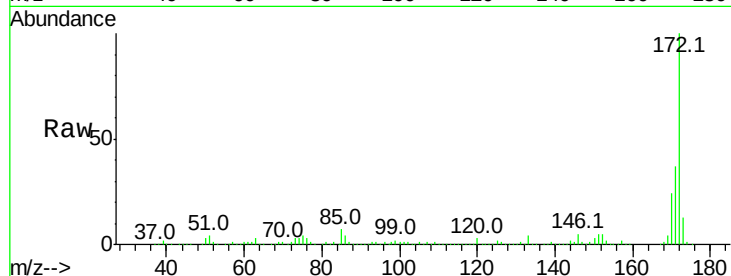




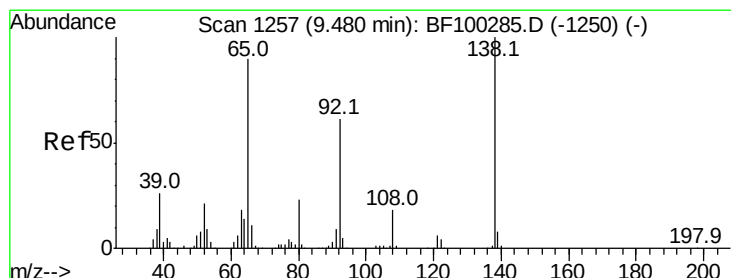
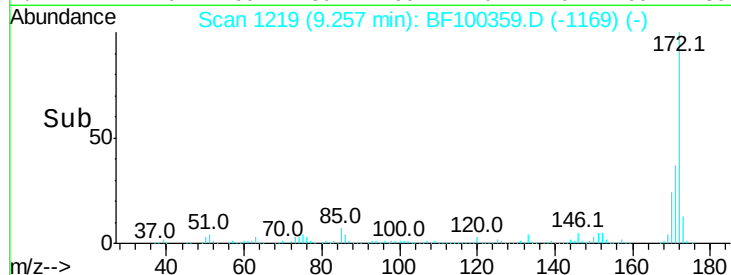
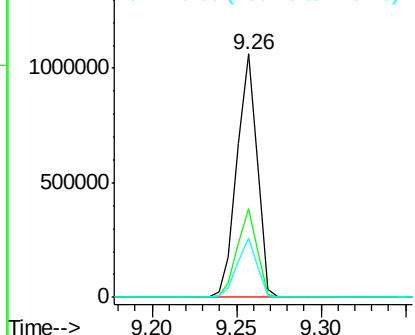
#44
 2-Fluorobiphenyl
 Concen: 42.207 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100359.D
 Acq: 9 Nov 2017 23:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 882326
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.2 19.6 29.4

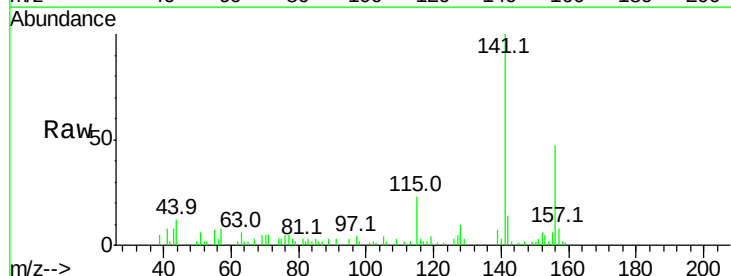


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

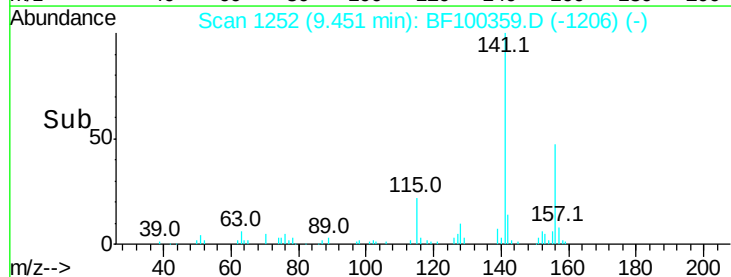
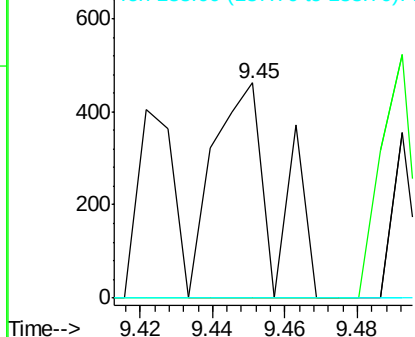


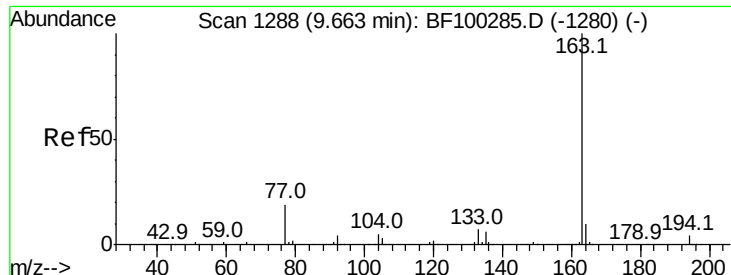
#47
 2-Nitroaniline
 Concen: 2.872 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.03 min
 Lab File: BF100359.D
 Acq: 9 Nov 2017 23:44

Tgt Ion: 65 Resp: 549
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

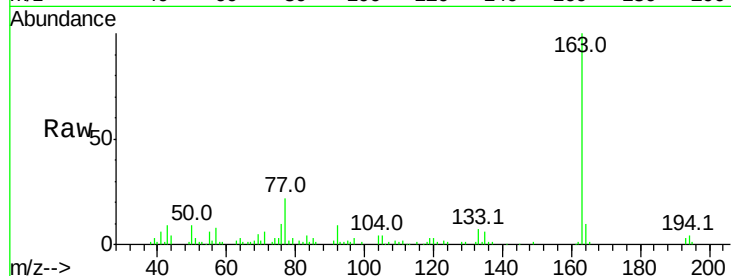




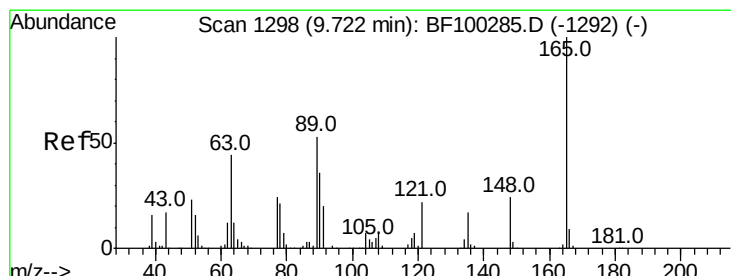
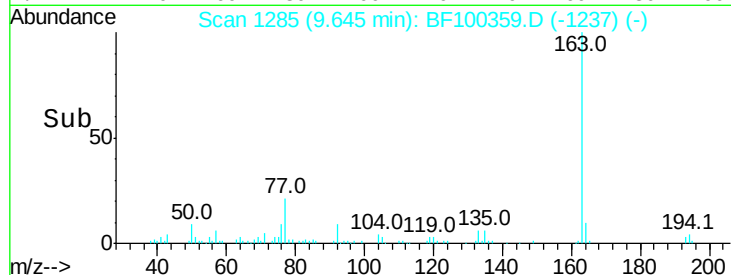
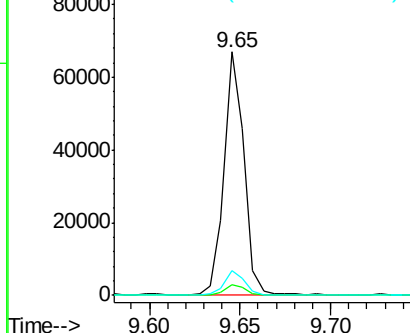
#49
Dimethylphthalate
Concen: 2.116 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 51437
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 10.1 8.2 12.2

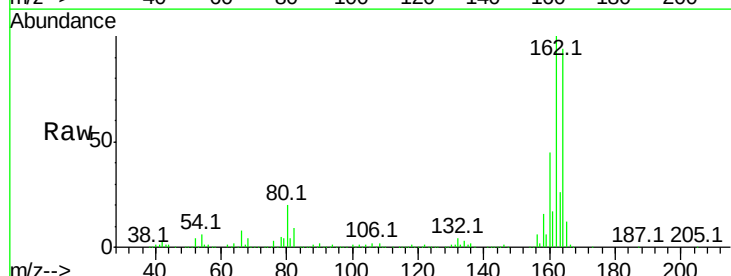


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

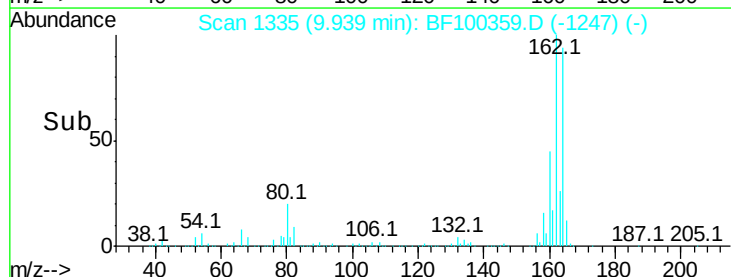
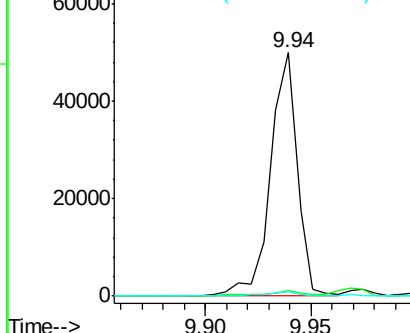


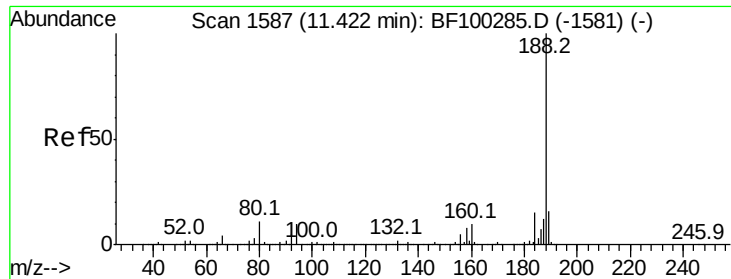
#50
2,6-Dinitrotoluene
Concen: 9.175 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

Tgt Ion:165 Resp: 44139
Ion Ratio Lower Upper
165 100
63 2.1 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

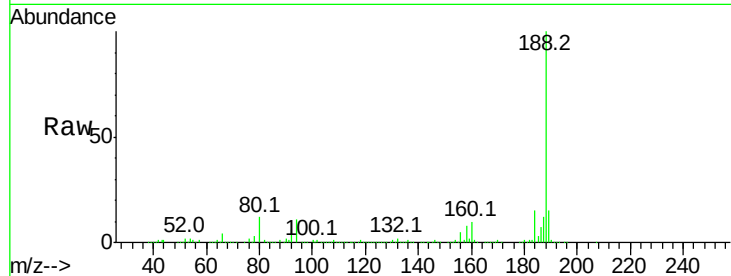




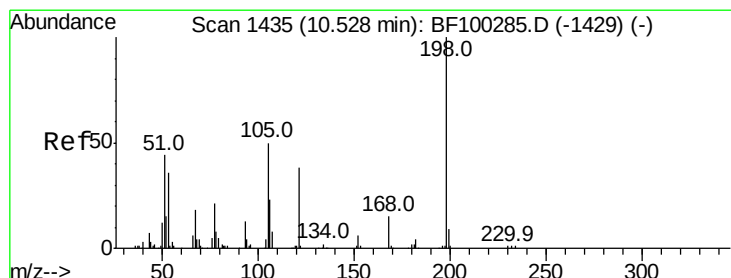
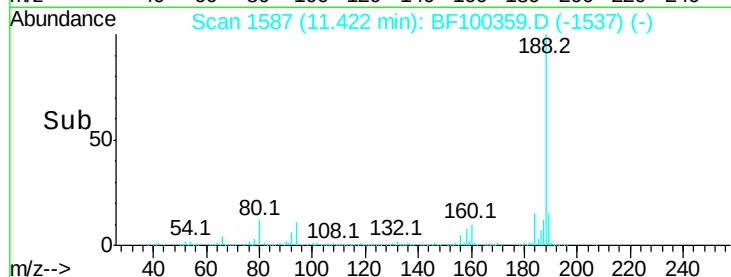
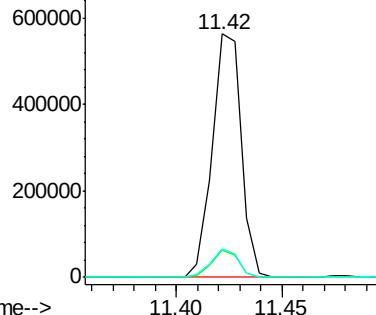
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 534380
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.6 9.2 13.8

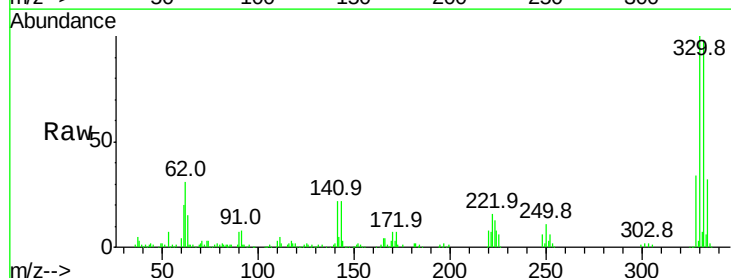


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

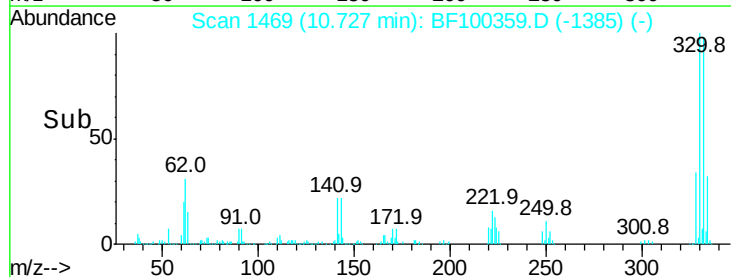
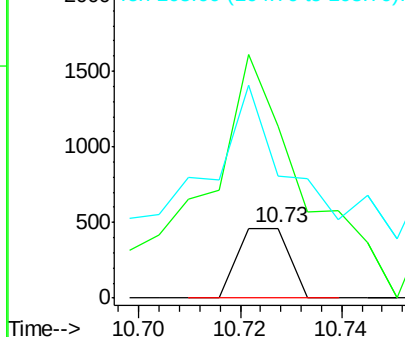


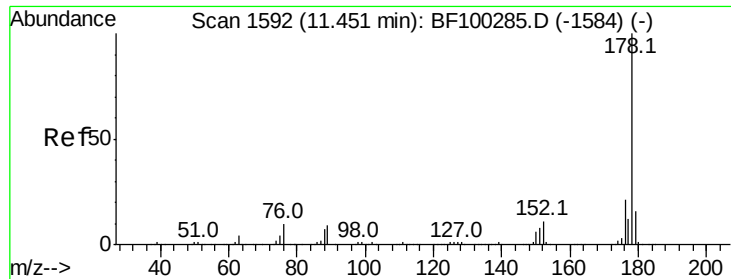
#64
4,6-Dinitro-2-methylphenol
Concen: 8.669 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.19 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

Tgt Ion:198 Resp: 326
Ion Ratio Lower Upper
198 100
51 244.4 37.7 77.7#
105 174.8 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: 5.628 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

Instrument :

BNA_F

ClientSampled :

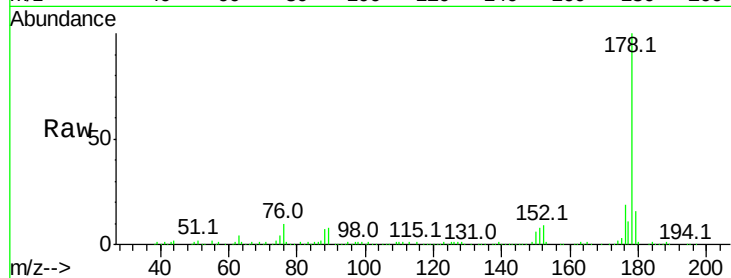
Tot Ion:178 Resp: 158354

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

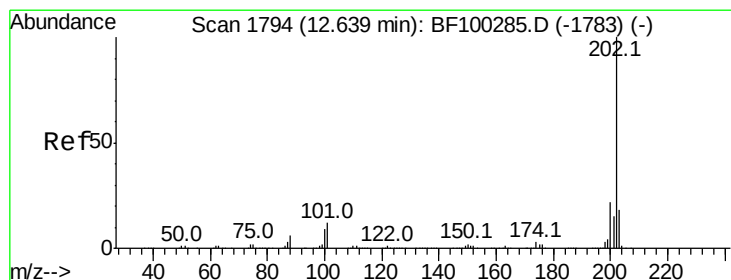
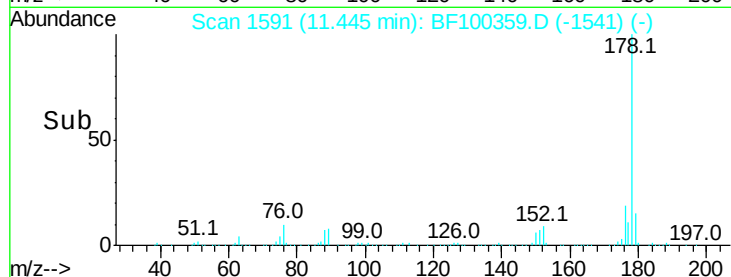
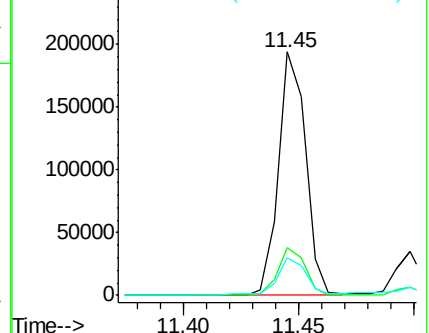
179 15.6 13.0 19.6



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



#74

Fluoranthene

Concen: 3.856 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

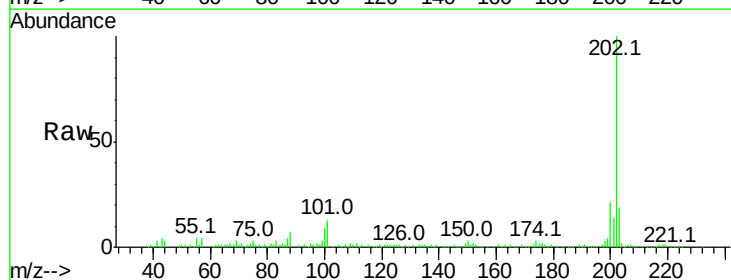
Tgt Ion:202 Resp: 114972

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

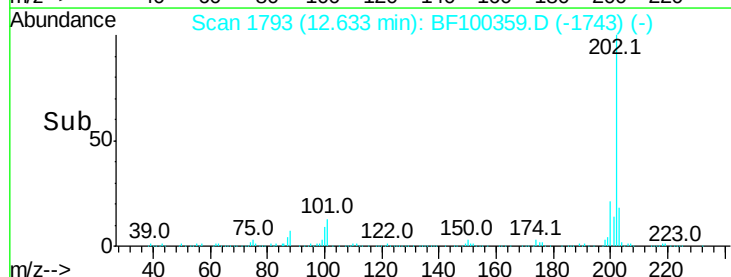
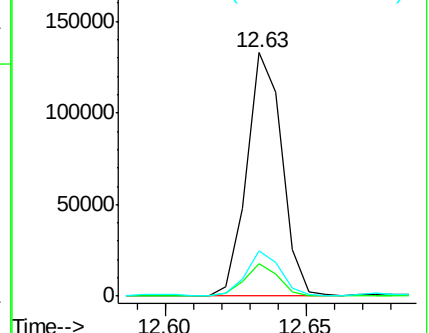
203 18.6 0.0 38.1

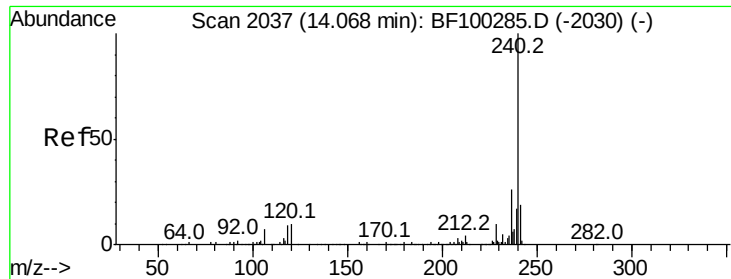


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF100359.D

Acq: 9 Nov 2017 23:44

Instrument :

BNA_F

ClientSampleId :

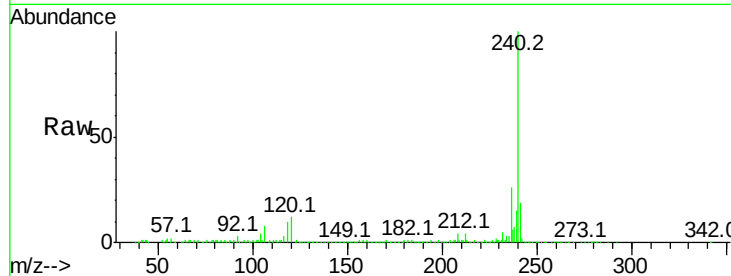
Tot Ion:240 Resp: 384054

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

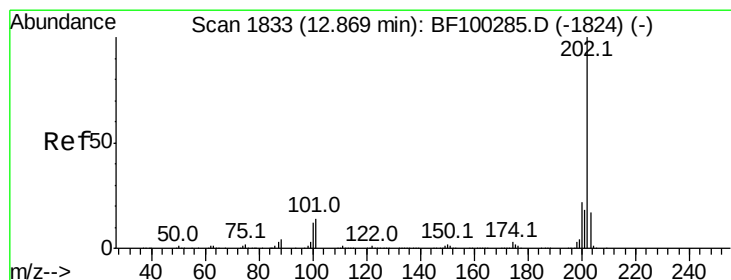
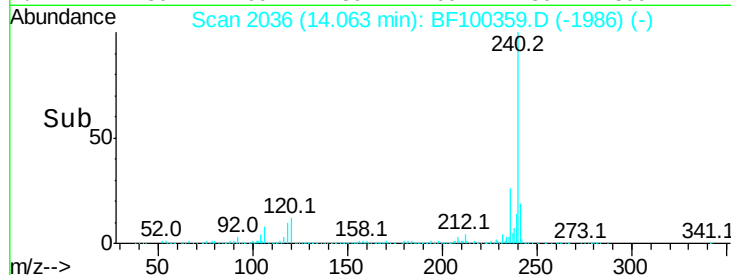
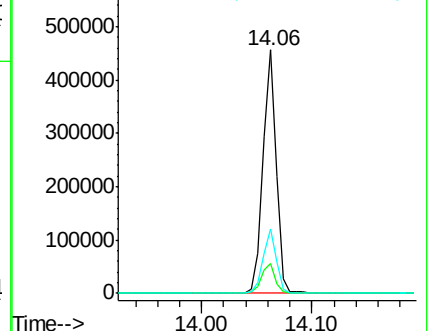
236 26.2 20.7 31.1



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

Pyrene

Concen: 3.706 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

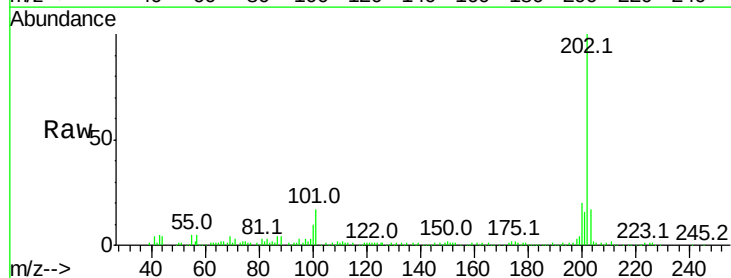
Tgt Ion:202 Resp: 101460

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

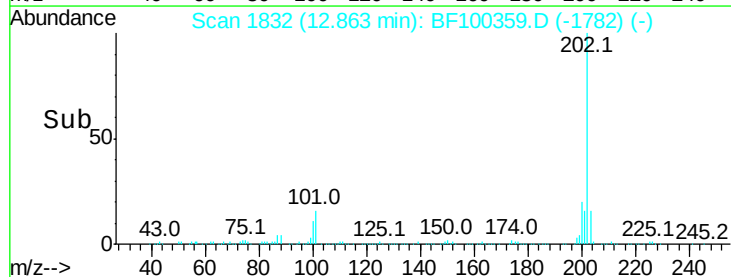
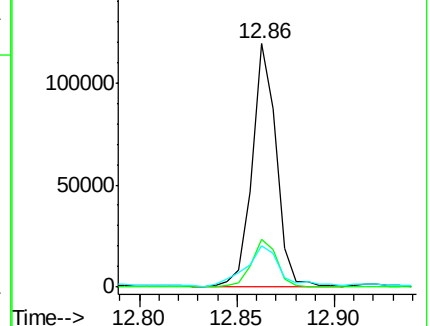
203 16.9 14.3 21.5

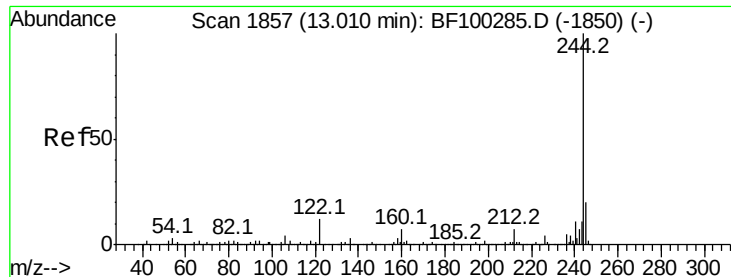


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.239 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

Instrument :

BNA_F

ClientSampleId :

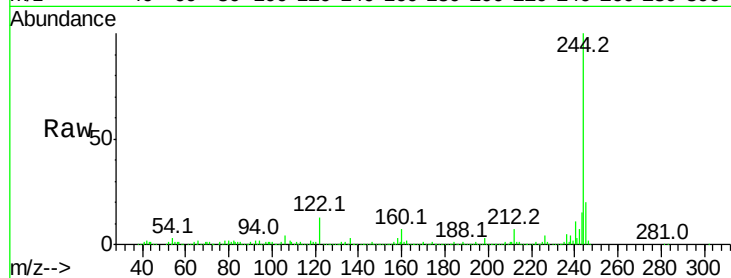
Tot Ion:244 Resp: 589002

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 13.2 11.0 16.4

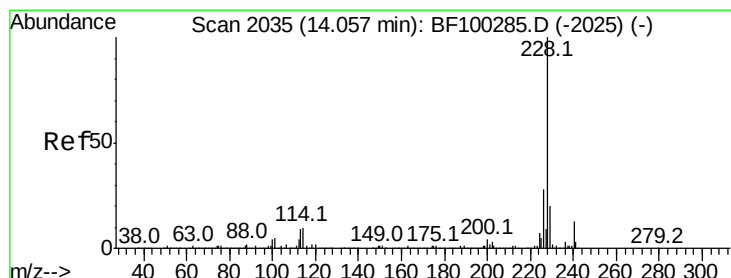
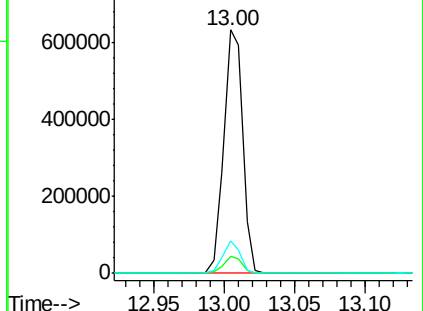
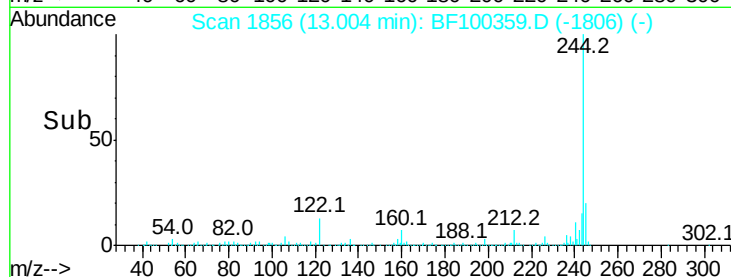


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#80

Benzo(a)anthracene

Concen: 2.297 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

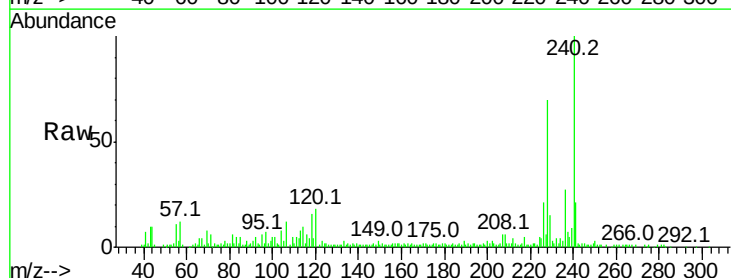
Tgt Ion:228 Resp: 53116

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

229 21.2 15.8 23.6

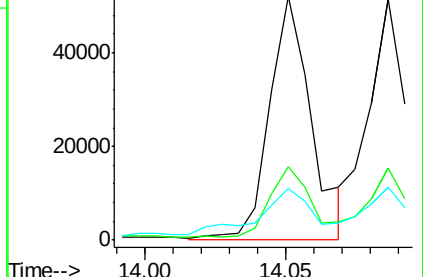
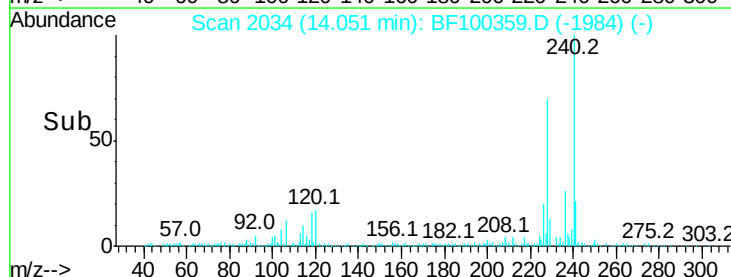


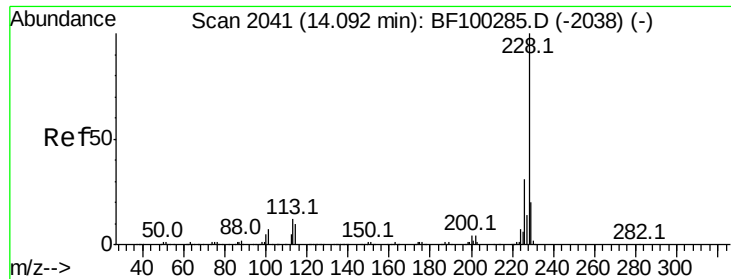
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->

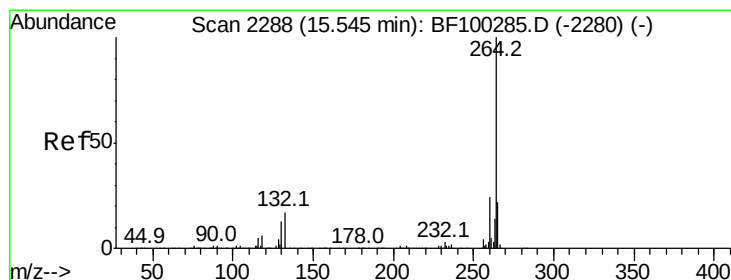
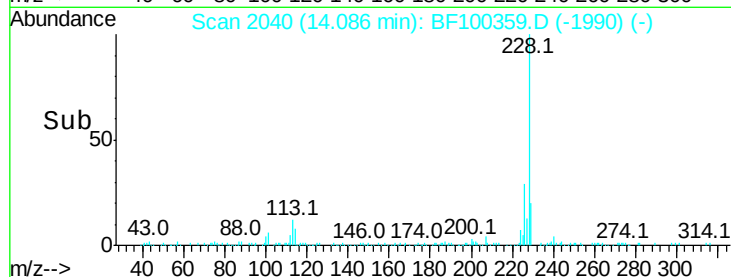
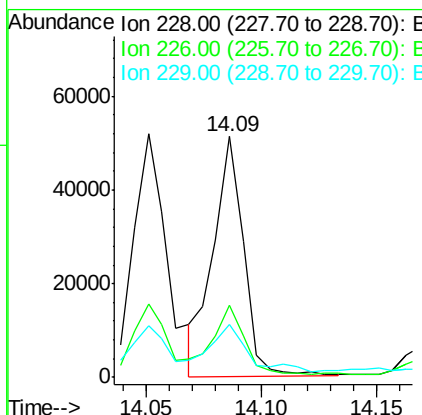
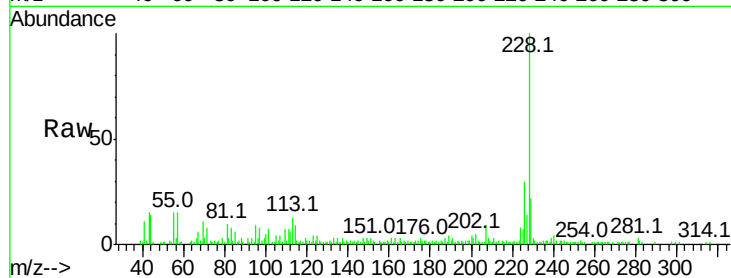




#82
Chrysene
Concen: 2.100 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

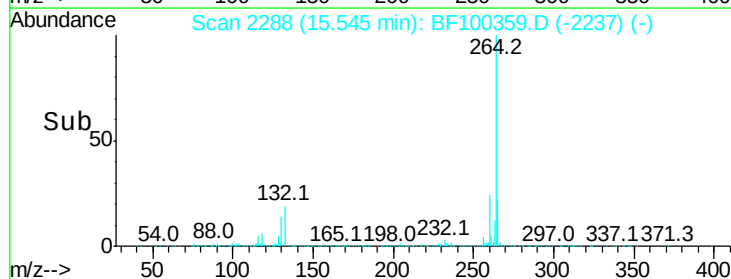
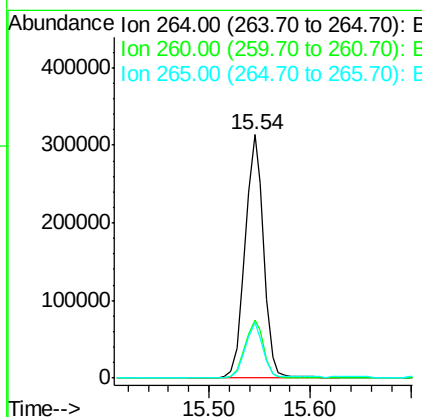
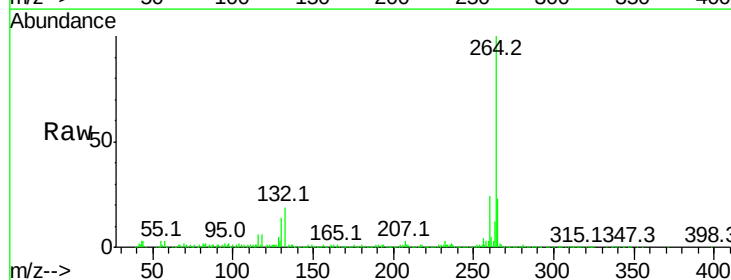
Instrument :
BNA_F
ClientSampleId :

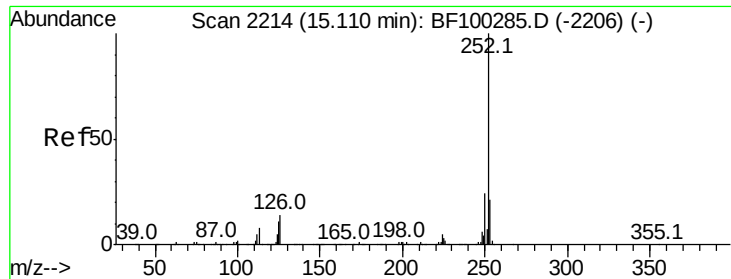
Tot Ion:228 Resp: 47023
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.2 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF100359.D
Acq: 9 Nov 2017 23:44

Tgt Ion:264 Resp: 395903
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.972 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

Instrument :

BNA_F

ClientSampleId :

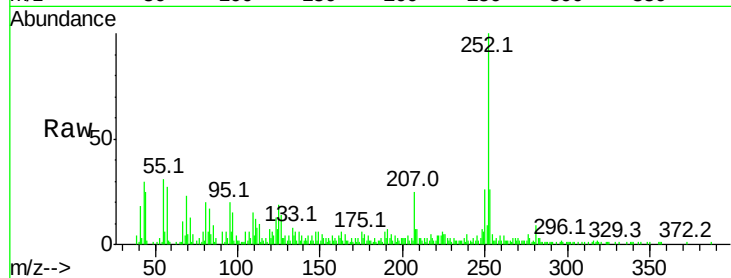
Tot Ion:252 Resp: 69715

Ion Ratio Lower Upper

252 100

253 25.6 17.0 25.6#

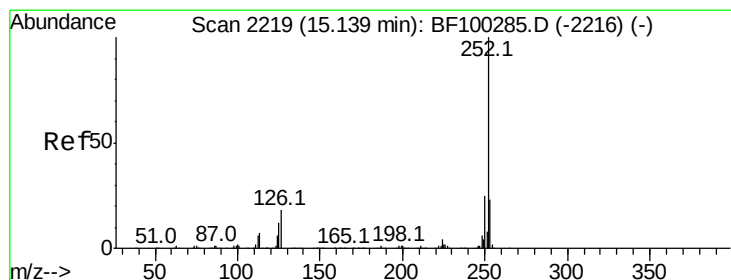
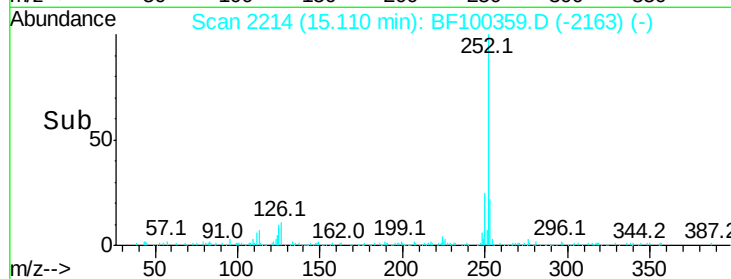
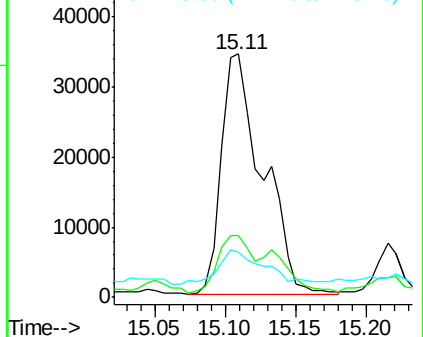
125 18.6 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 3.146 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.04 min

Lab File: BF100359.D

Acq: 9 Nov 2017 23:44

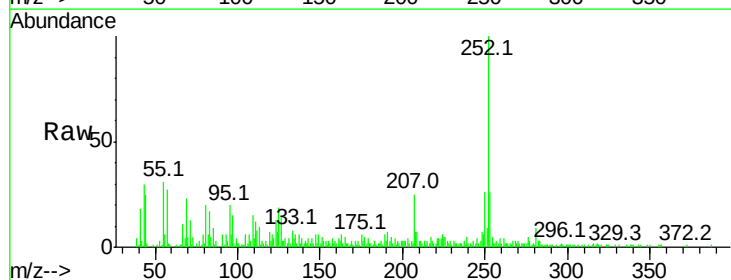
Tgt Ion:252 Resp: 69715

Ion Ratio Lower Upper

252 100

253 25.6 17.9 26.9

125 18.6 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

