

Data File : BF100437.D
Acq On : 11 Nov 2017 13:42
Operator : SJ/JU
Sample : I6299-03 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-110917

Quant Time: Nov 13 01:07:28 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	137044	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	481023	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	185446	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	310918	20.00	ng	0.00
75) Chrysene-d12	14.07	240	291882	20.00	ng	0.00
86) Perylene-d12	15.56	264	206499	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	158600	18.55	ng	0.00
7) Phenol-d6	6.52	99	184166	17.47	ng	-0.01
23) Nitrobenzene-d5	7.46	82	98327	13.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	29659	15.70	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	193248	15.87	ng	0.00
78) Terphenyl-d14	13.01	244	156793	12.34	ng	0.00

Target Compounds						Qvalue
25) Isophorone	7.46	82	98145	6.42	ng	# 64
47) 2-Nitroaniline	9.25	65	238	2.85	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	24283	8.66	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	24391	6.90	ng	# 23
70) Phenanthrene	11.45	178	77645	4.74	ng	98
74) Fluoranthene	12.64	202	100379	5.79	ng	98
77) Pyrene	12.87	202	96492	4.64	ng	98
80) Benzo(a)anthracene	14.06	228	42731	2.43	ng	95
82) Chrysene	14.09	228	38634	2.27	ng	98
87) Benzo(b)fluoranthene	15.12	252	50493	4.13	ng	# 80
88) Benzo(k)fluoranthene	15.12	252	50493	4.37	ng	# 83
89) Benzo(a)pyrene	15.49	252	27376	2.52	ng	# 81

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

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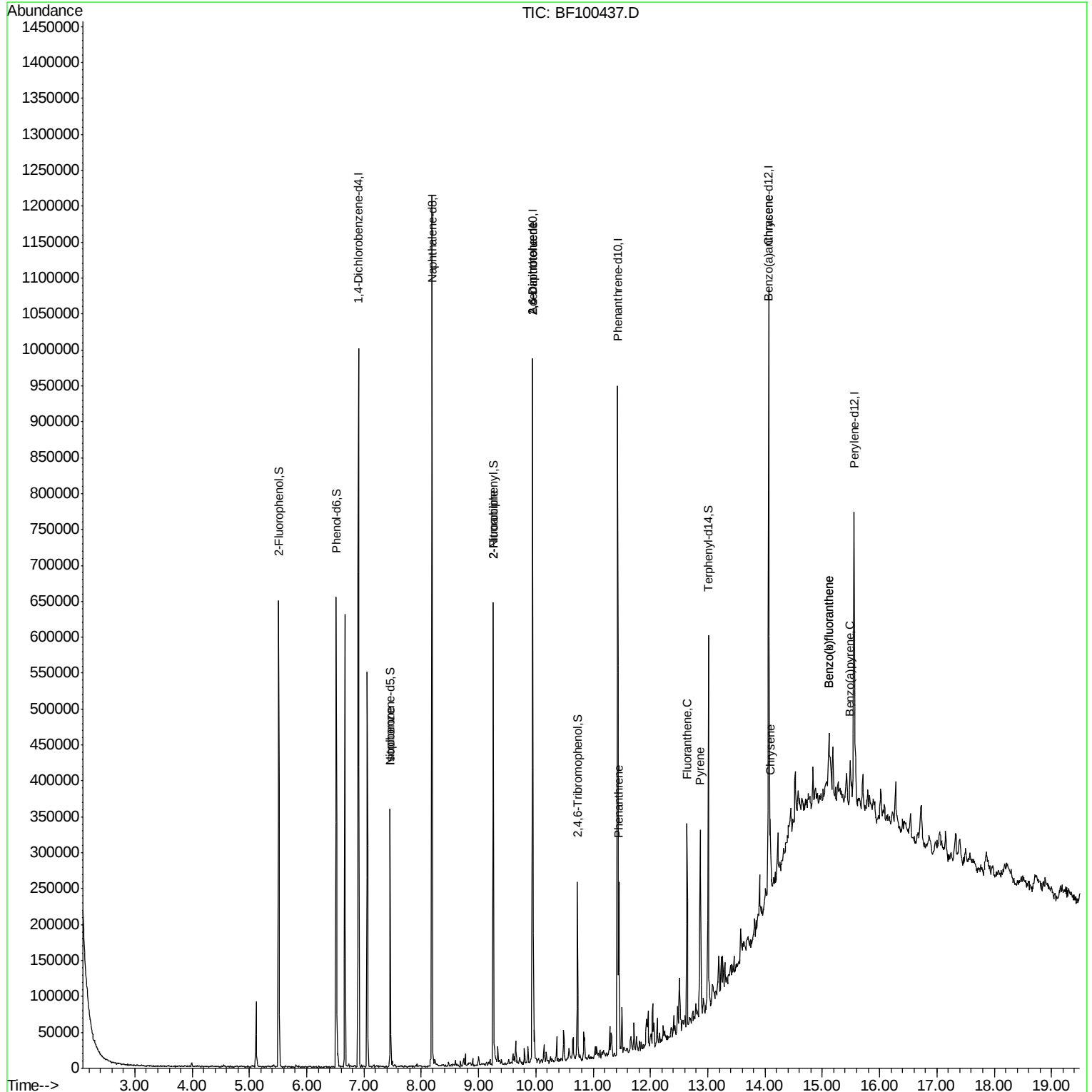
Quant Time: Nov 13 01:07:28 2017

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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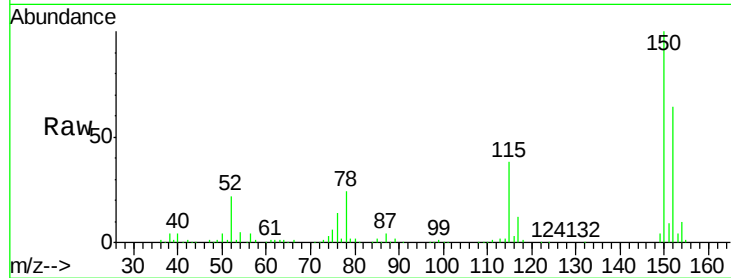


#1

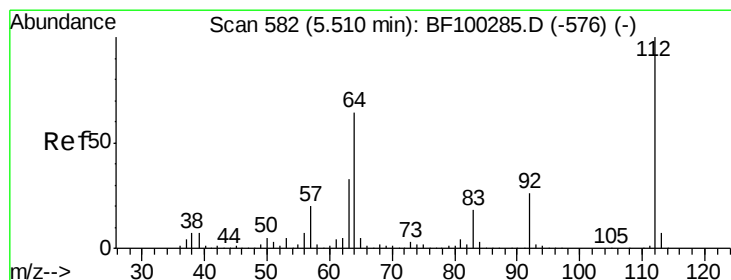
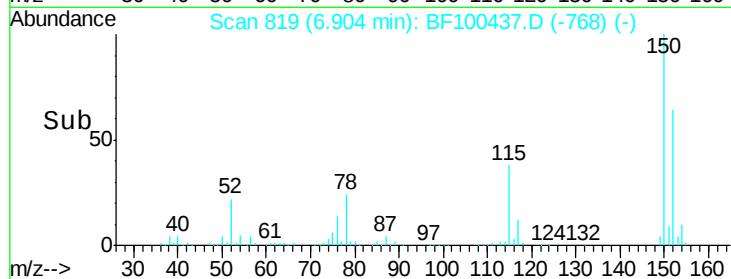
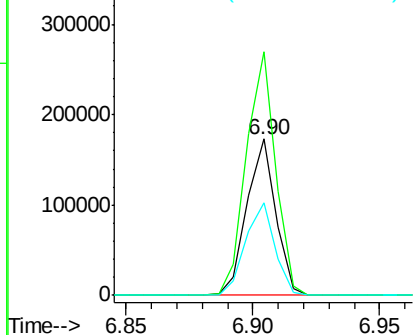
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100437.D
Acq: 11 Nov 2017 13:42

Instrument :
BNA_F
ClientSampleId :
OK-01-110917

Tgt Ion:152 Resp: 137044
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 59.6 50.1 75.1



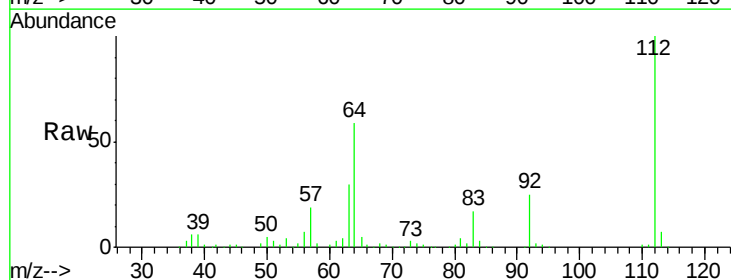
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



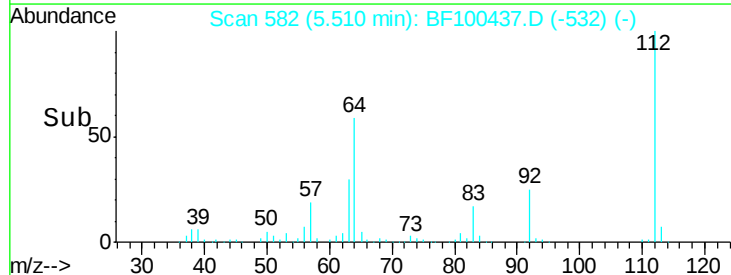
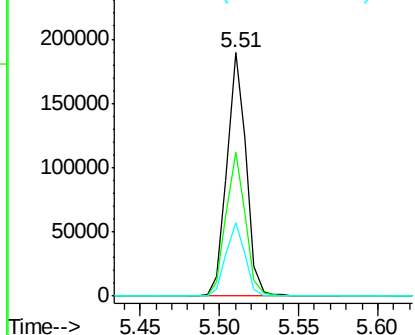
#5

2-Fluorophenol
Concen: 18.55 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF100437.D
Acq: 11 Nov 2017 13:42

Tgt Ion:112 Resp: 158600
Ion Ratio Lower Upper
112 100
64 59.1 47.9 71.9
63 30.2 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: 17.47 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100437.D

Acq: 11 Nov 2017 13:42

Instrument :

BNA_F

ClientSampleId :

OK-01-110917

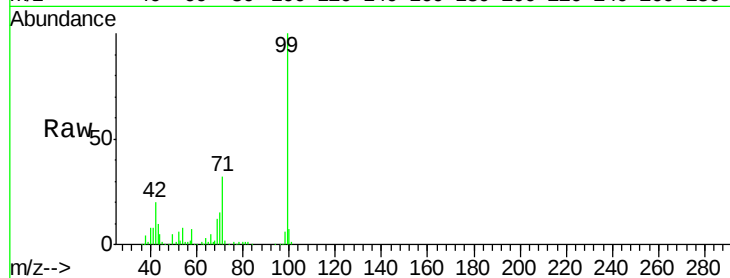
Tgt Ion: 99 Resp: 184166

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

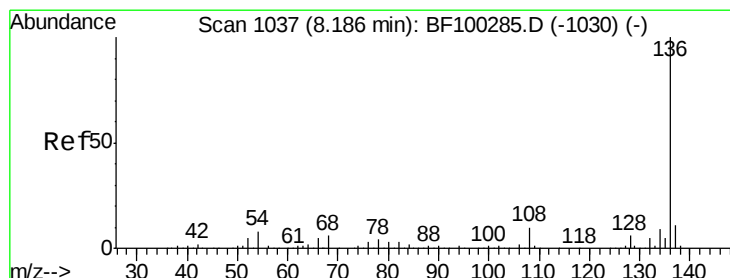
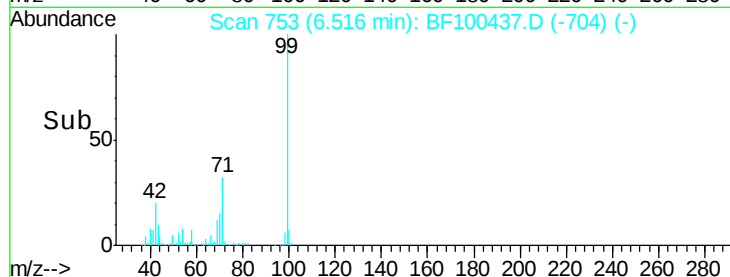
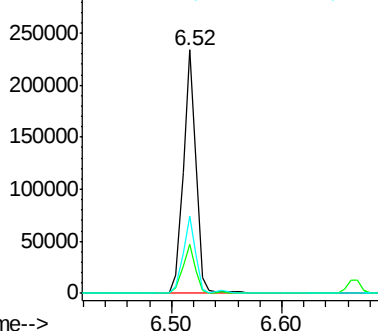
71 31.9 25.4 38.0



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: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100437.D

Acq: 11 Nov 2017 13:42

Tgt Ion: 136 Resp: 481023

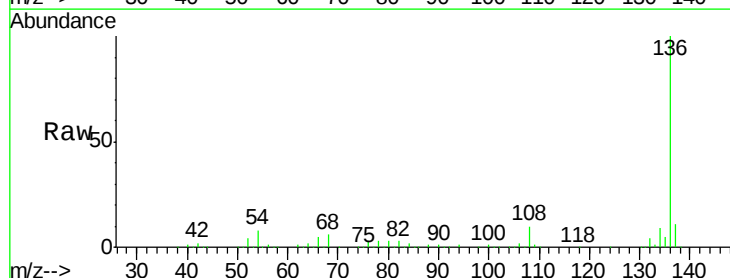
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.1 6.6 9.8

68 6.4 5.0 7.4

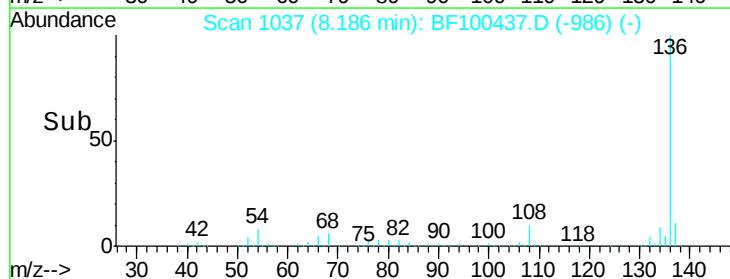
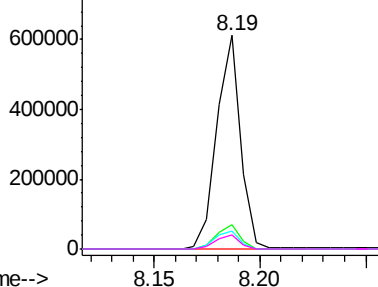


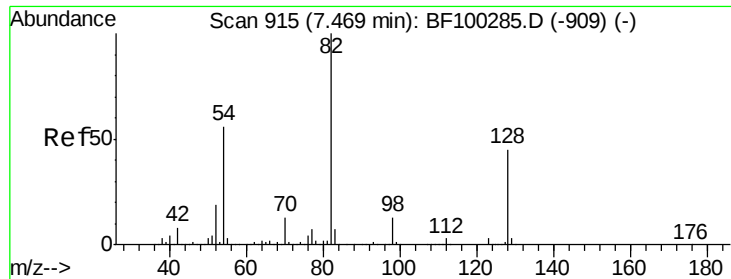
Abundance Ion 136.00 (135.70 to 136.70): E

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

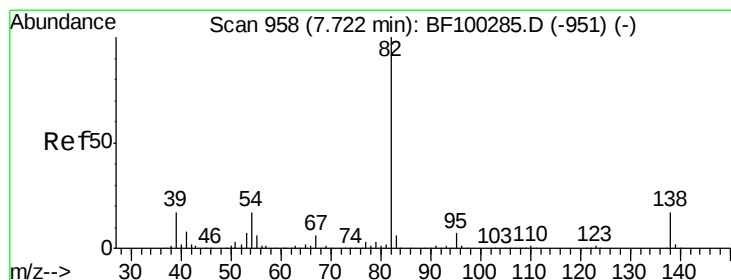
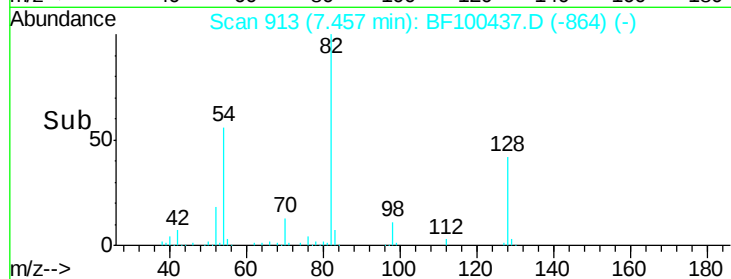
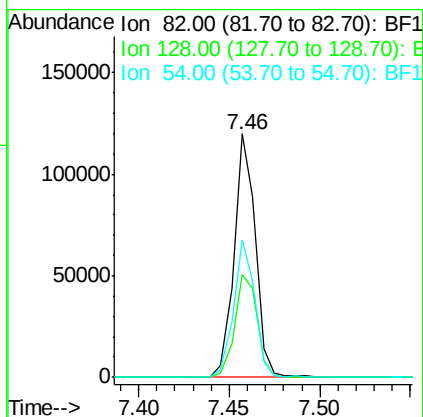
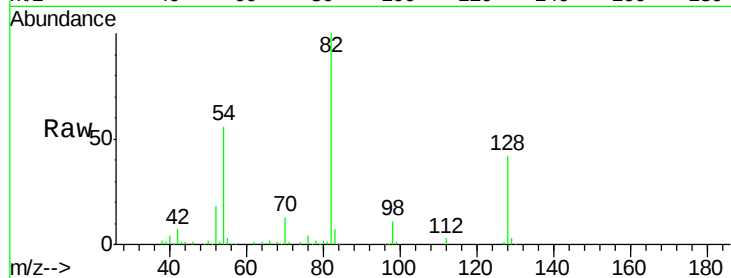




#23
 Nitrobenzene-d5
 Concen: 13.51 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF100437.D
 Acq: 11 Nov 2017 13:42

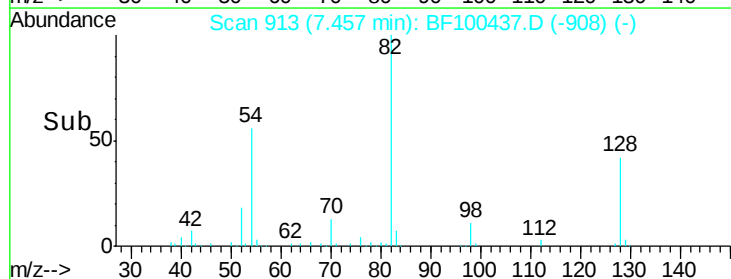
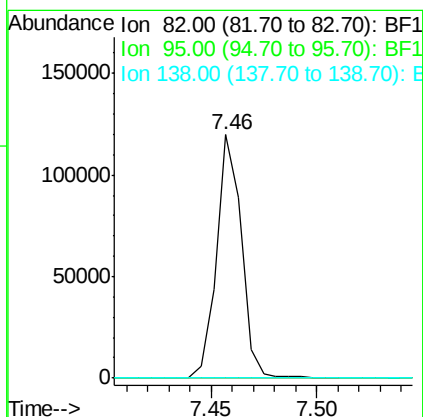
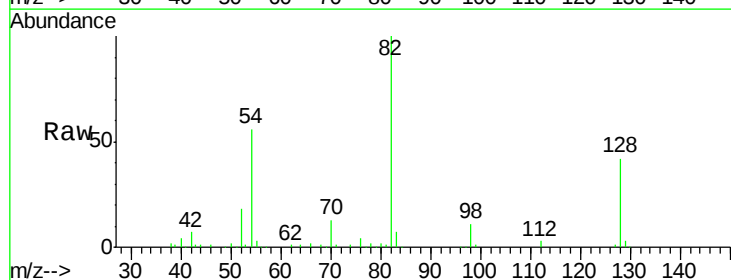
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-110917

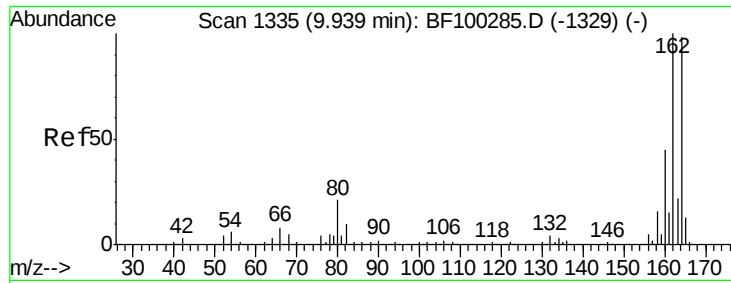
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.3	36.1	54.1
54	56.4	41.4	62.2



#25
 Isophorone
 Concen: 6.42 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.27 min
 Lab File: BF100437.D
 Acq: 11 Nov 2017 13:42

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

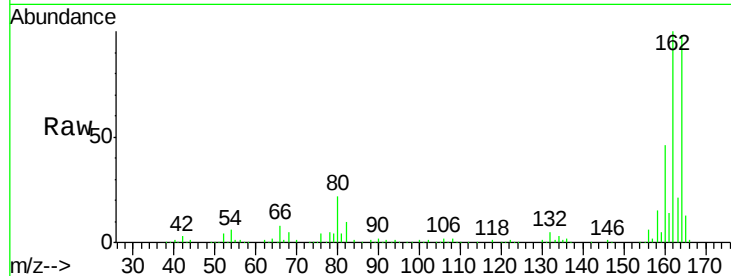




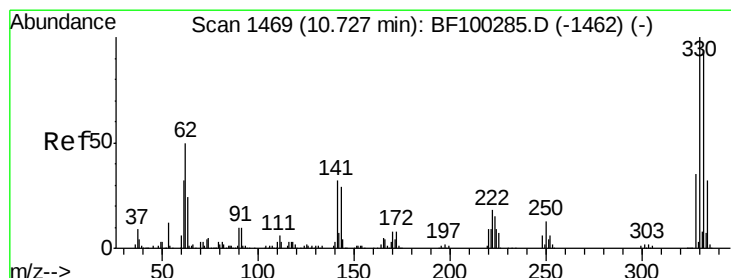
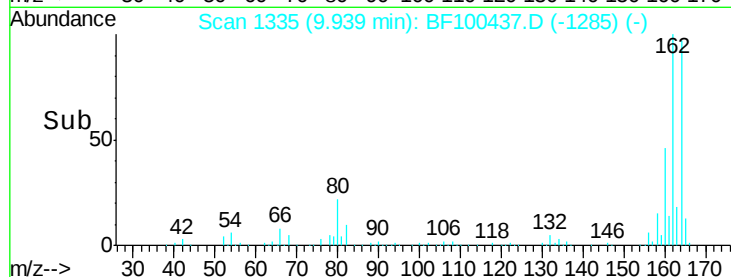
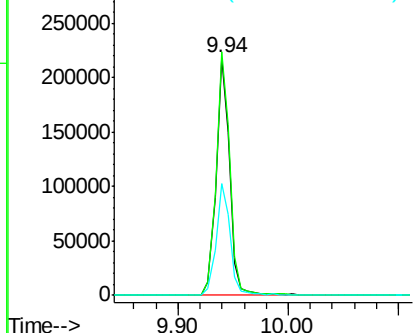
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF100437.D
 Acq: 11 Nov 2017 13:42

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-110917

Tgt Ion:164 Resp: 185446
 Ion Ratio Lower Upper
 164 100
 162 102.4 86.1 129.1
 160 47.2 38.3 57.5

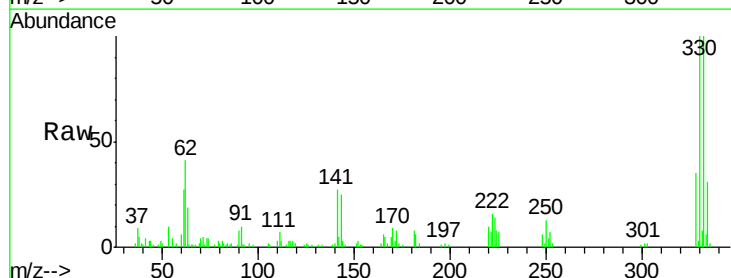


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

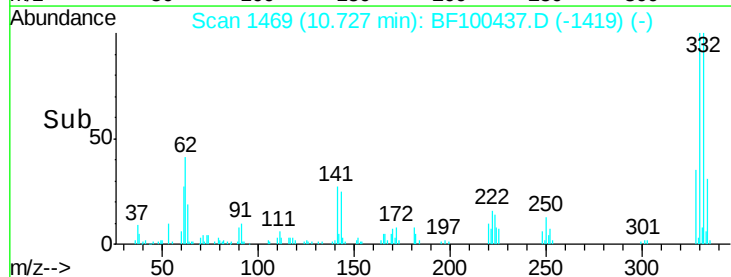
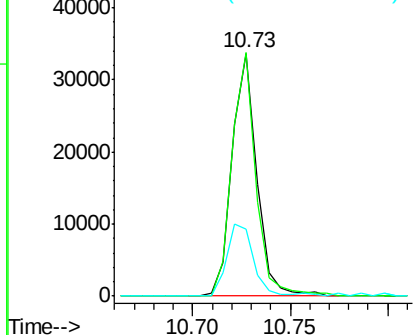


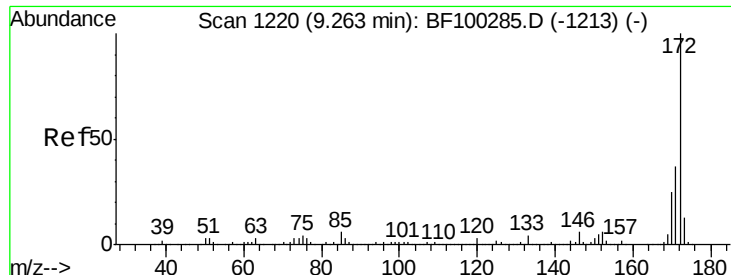
#41
 2,4,6-Tribromophenol
 Concen: 15.70 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100437.D
 Acq: 11 Nov 2017 13:42

Tgt Ion:330 Resp: 29659
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 32.7 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

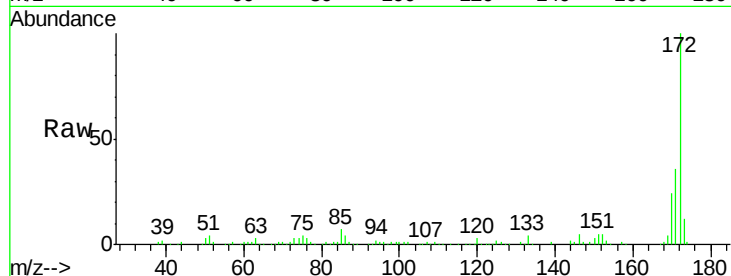




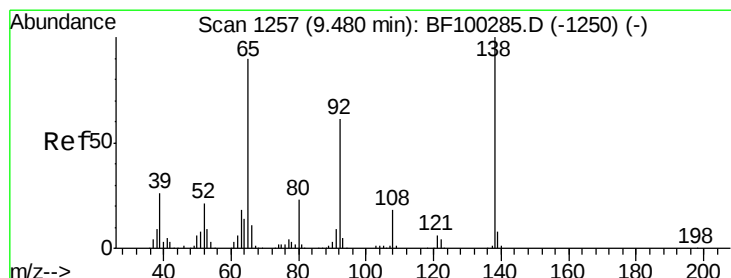
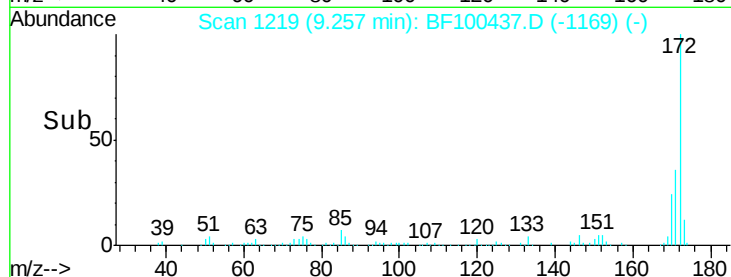
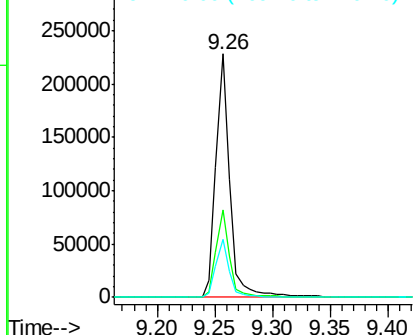
#44
 2-Fluorobiphenyl
 Concen: 15.87 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100437.D
 Acq: 11 Nov 2017 13:42

Instrument :
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 ClientSampleId :
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Tgt Ion: 172 Resp: 193248
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.9 19.6 29.4

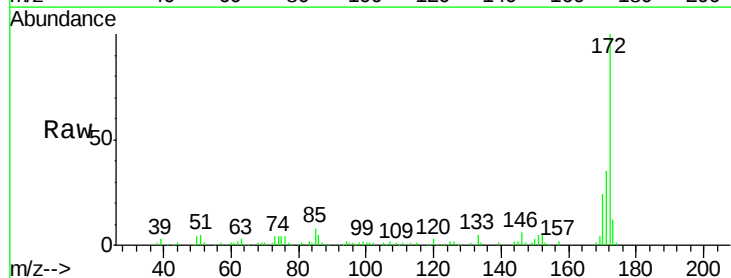


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

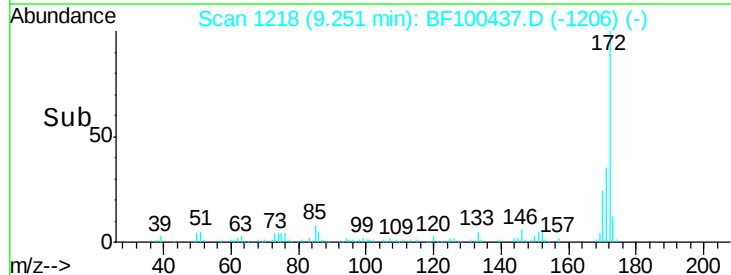
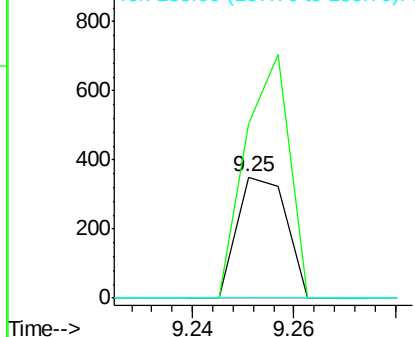


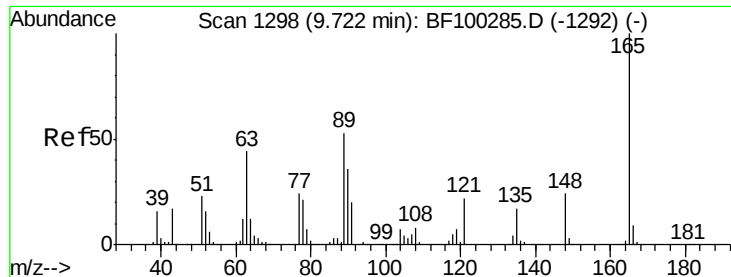
#47
 2-Nitroaniline
 Concen: 2.85 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.23 min
 Lab File: BF100437.D
 Acq: 11 Nov 2017 13:42

Tgt Ion: 65 Resp: 238
 Ion Ratio Lower Upper
 65 100
 92 143.6 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

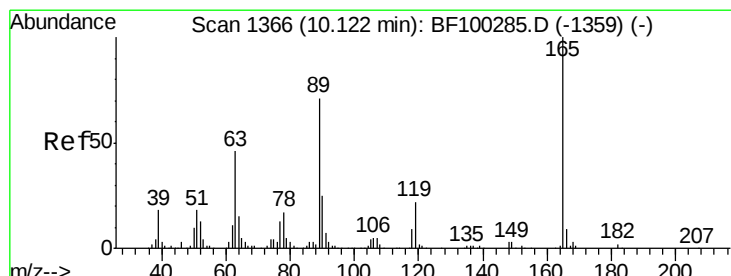
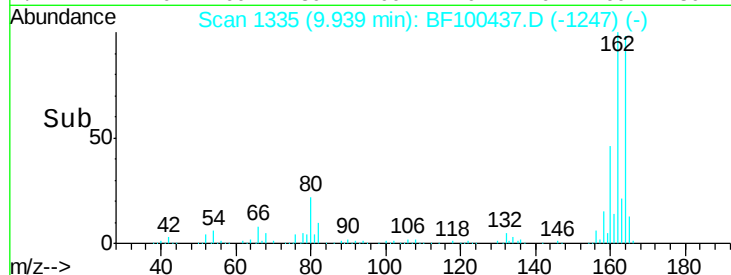
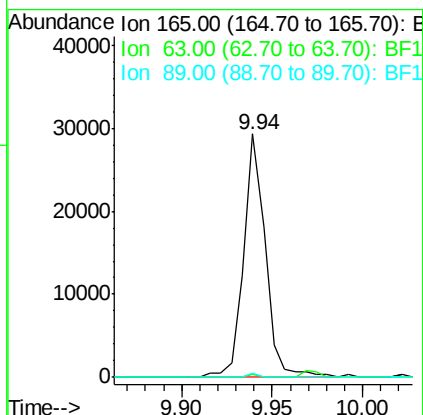
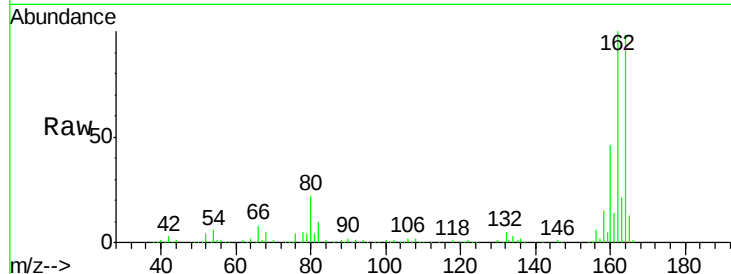




#50
 2,6-Dinitrotoluene
 Concen: 8.66 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.22 min
 Lab File: BF100437.D
 Acq: 11 Nov 2017 13:42

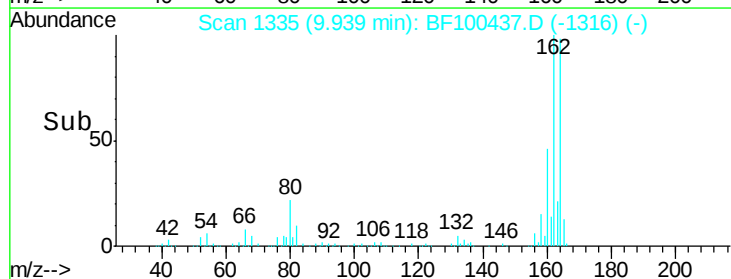
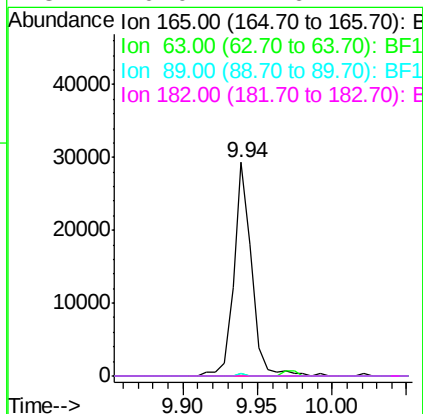
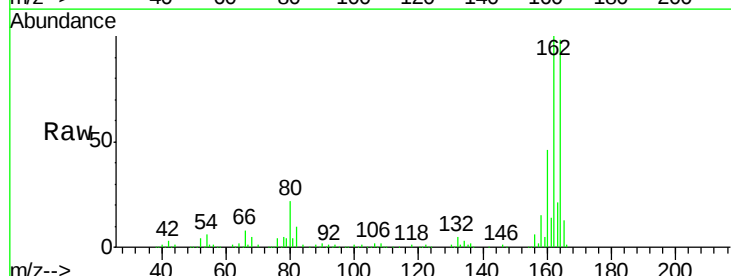
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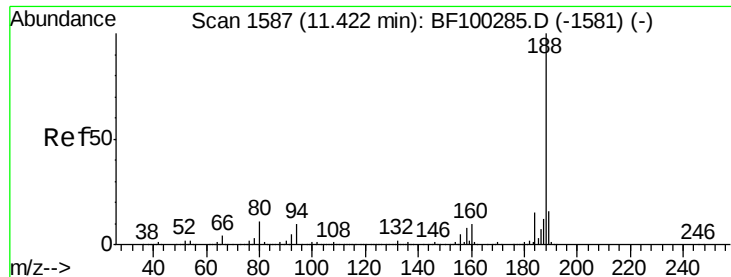
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.90 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF100437.D
 Acq: 11 Nov 2017 13:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

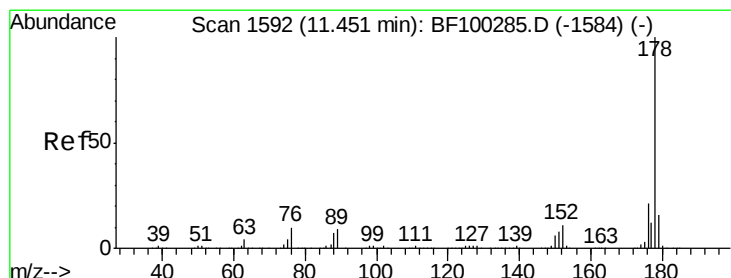
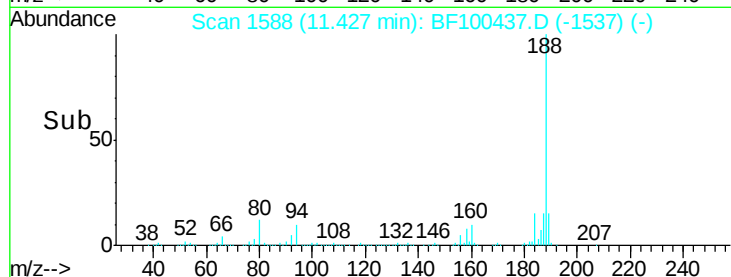
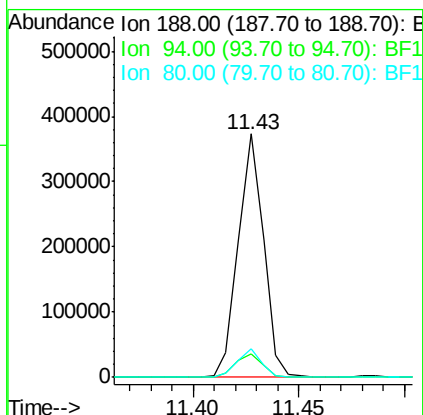
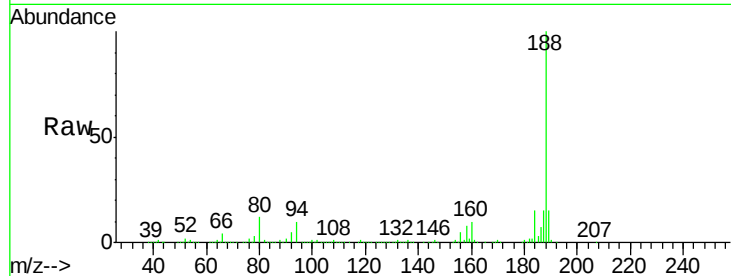




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BF100437.D
Acq: 11 Nov 2017 13:42

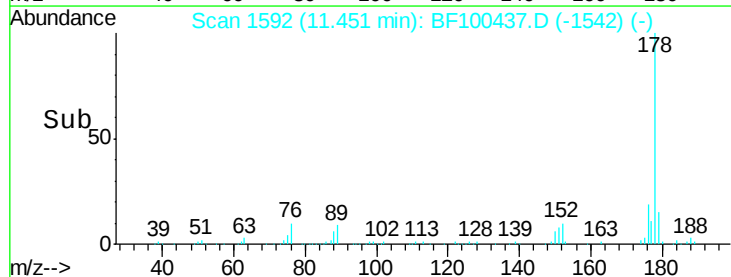
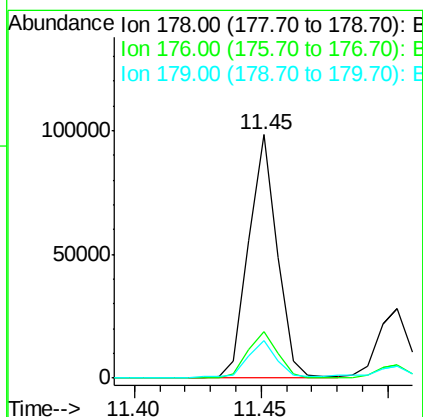
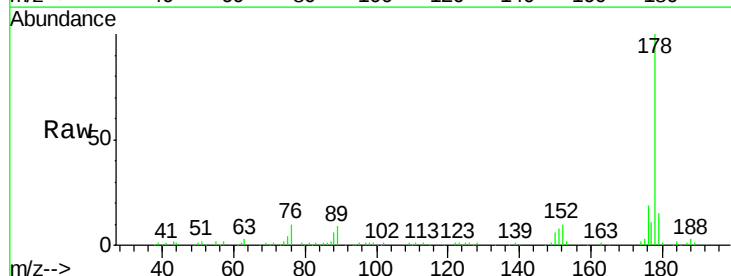
Instrument :
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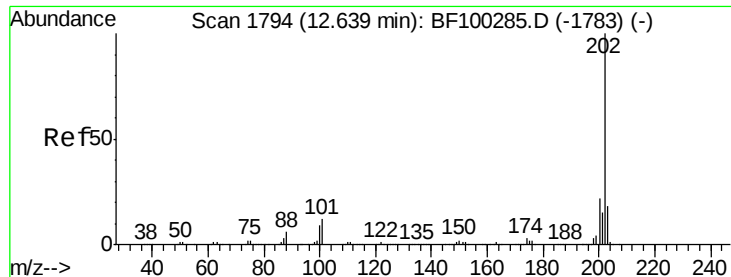
Tgt Ion:188 Resp: 310918
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 11.6 9.2 13.8



#70
Phenanthrene
Concen: 4.74 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF100437.D
Acq: 11 Nov 2017 13:42

Tgt Ion:178 Resp: 77645
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.2 13.0 19.6





#74

Fluoranthene

Concen: 5.79 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF100437.D

Acq: 11 Nov 2017 13:42

Instrument :

BNA_F

ClientSampleId :

OK-01-110917

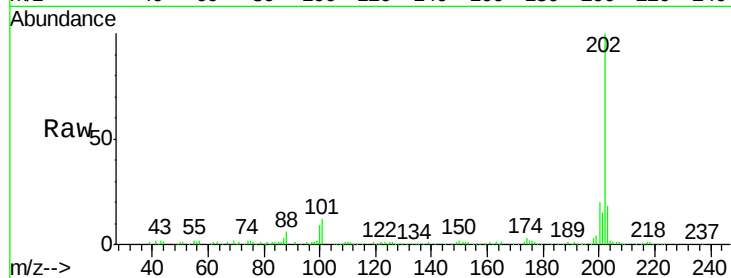
Tgt Ion:202 Resp: 100379

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

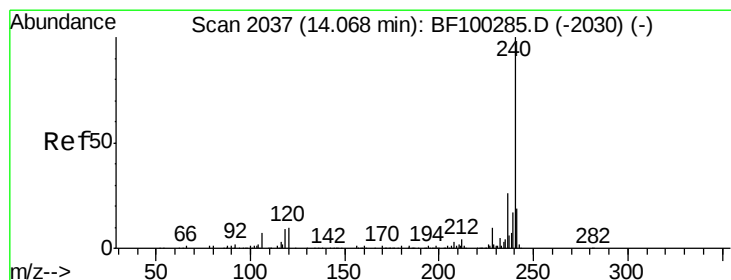
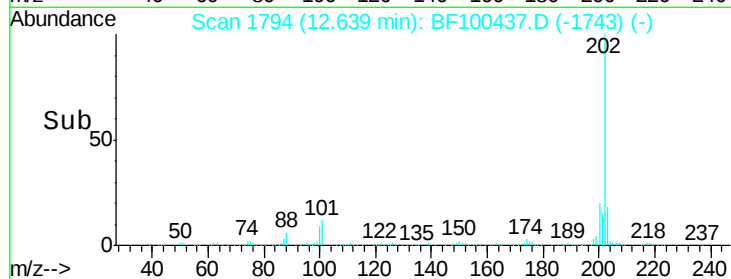
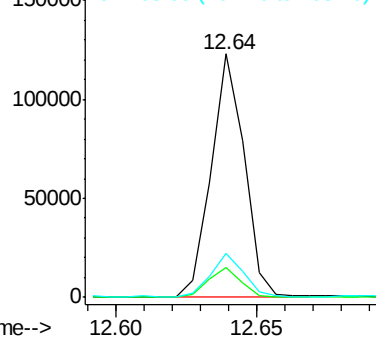
203 18.0 0.0 38.1



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: 20.00 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF100437.D

Acq: 11 Nov 2017 13:42

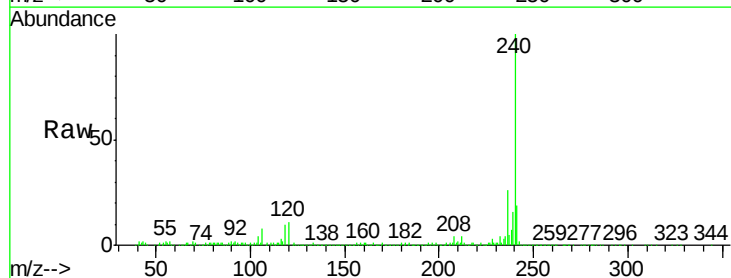
Tgt Ion:240 Resp: 291882

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

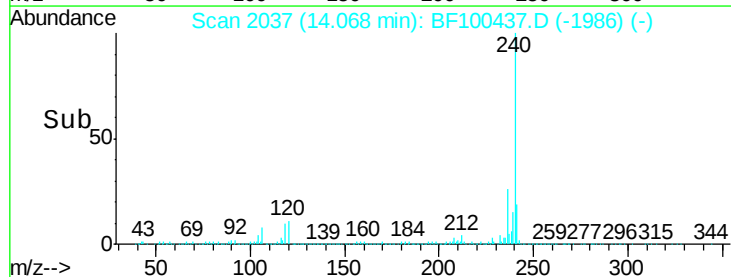
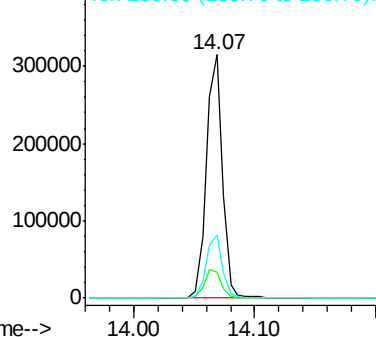
236 25.9 20.7 31.1

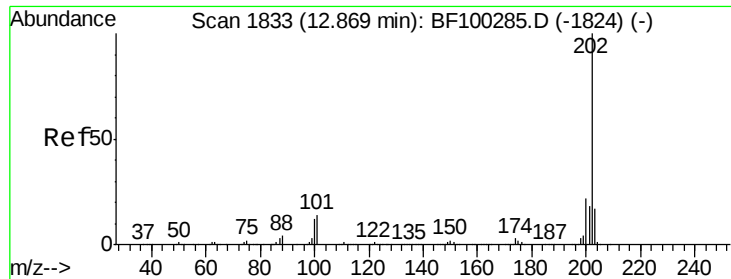


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.64 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF100437.D

Acq: 11 Nov 2017 13:42

Instrument :

BNA_F

ClientSampleId :

OK-01-110917

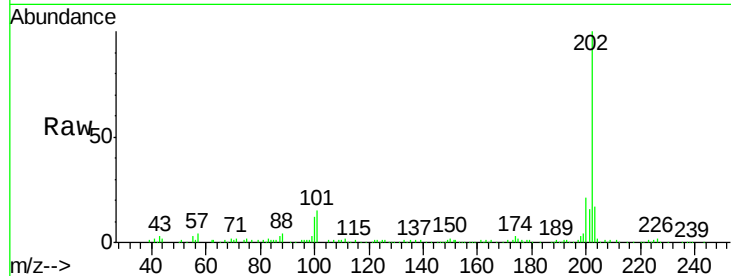
Tgt Ion:202 Resp: 96492

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

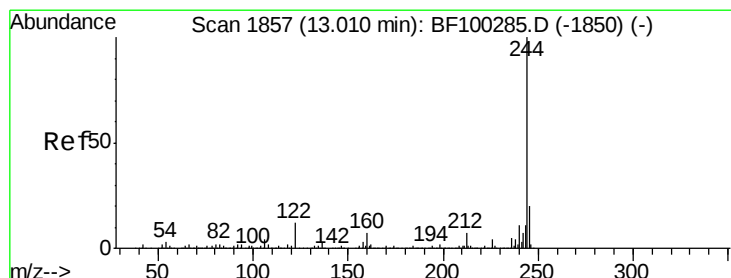
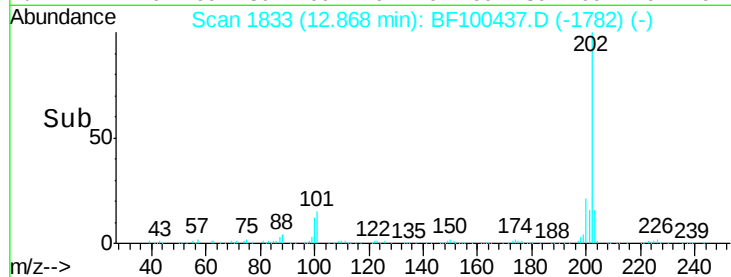
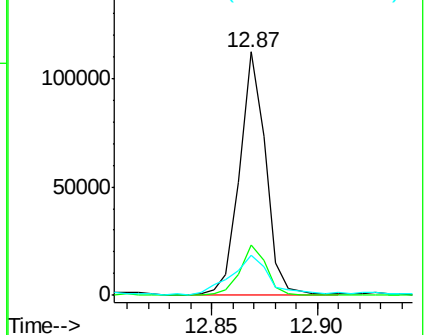
203 16.7 14.3 21.5



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: 12.34 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100437.D

Acq: 11 Nov 2017 13:42

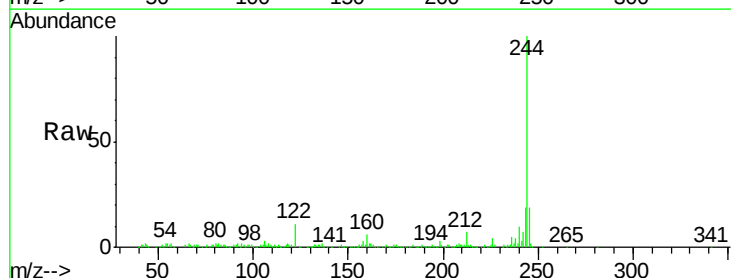
Tgt Ion:244 Resp: 156793

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

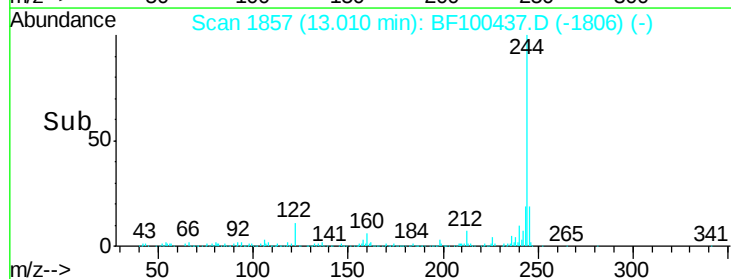
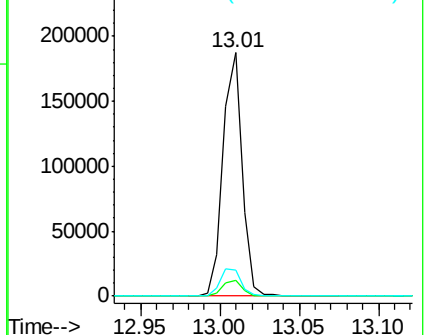
122 10.6 11.0 16.4#

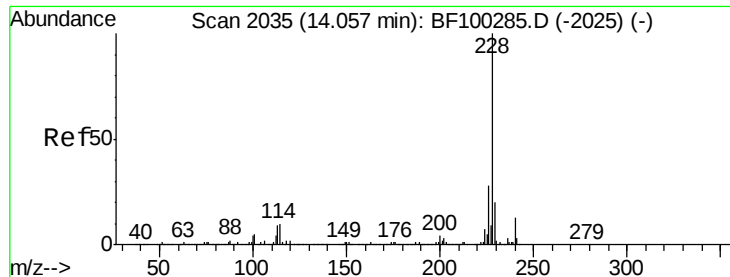


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.43 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF100437.D

Acq: 11 Nov 2017 13:42

Instrument :

BNA_F

ClientSampleId :

OK-01-110917

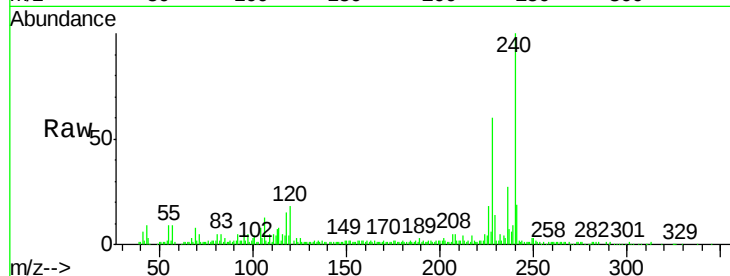
Tgt Ion:228 Resp: 42731

Ion Ratio Lower Upper

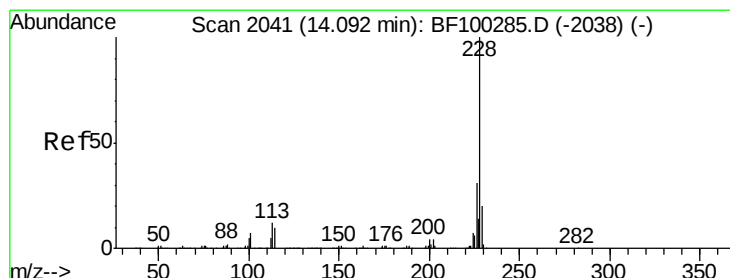
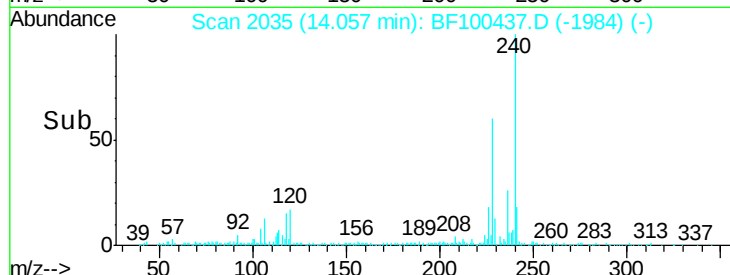
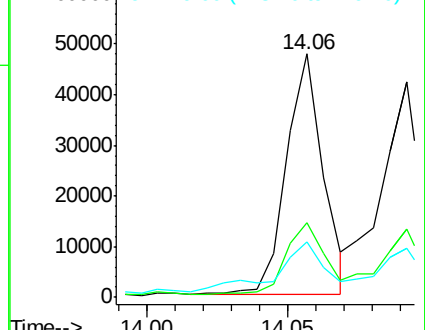
228 100

226 30.5 22.6 33.8

229 22.9 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: 2.27 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF100437.D

Acq: 11 Nov 2017 13:42

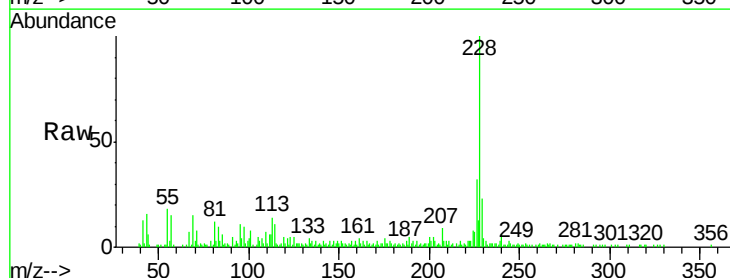
Tgt Ion:228 Resp: 38634

Ion Ratio Lower Upper

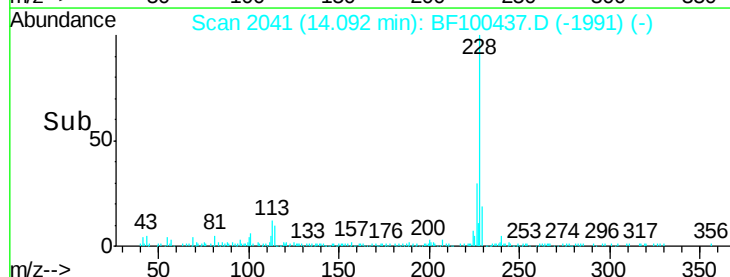
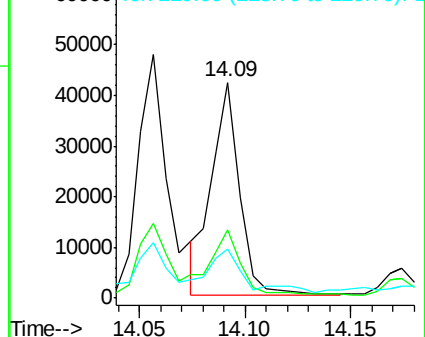
228 100

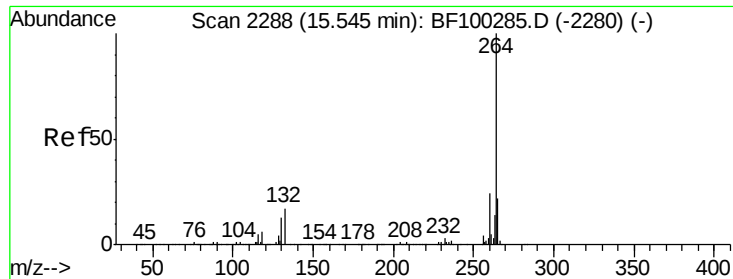
226 31.8 25.0 37.6

229 22.6 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

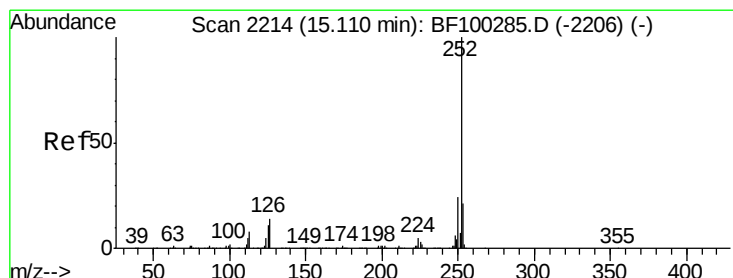
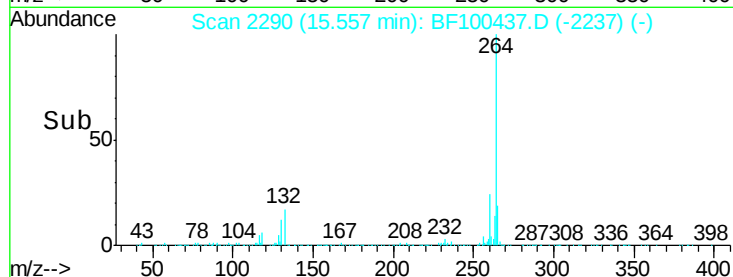
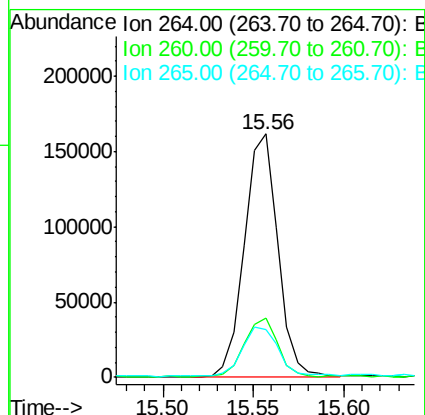
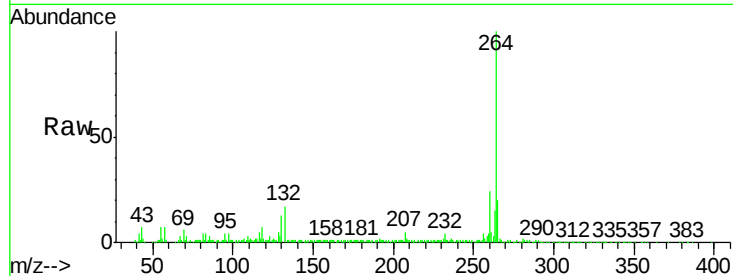




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BF100437.D
Acq: 11 Nov 2017 13:42

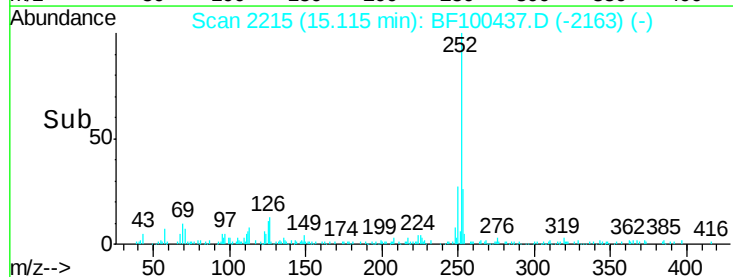
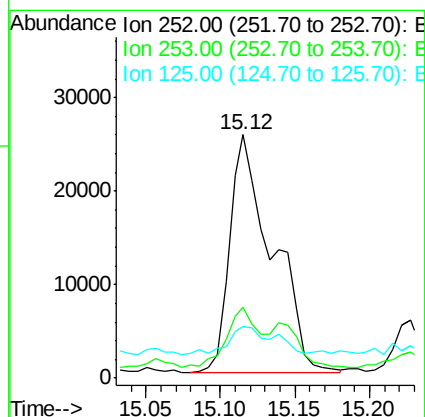
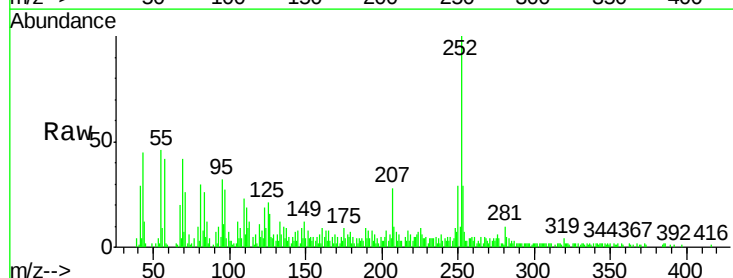
Instrument :
BNA_F
ClientSampleId :
OK-01-110917

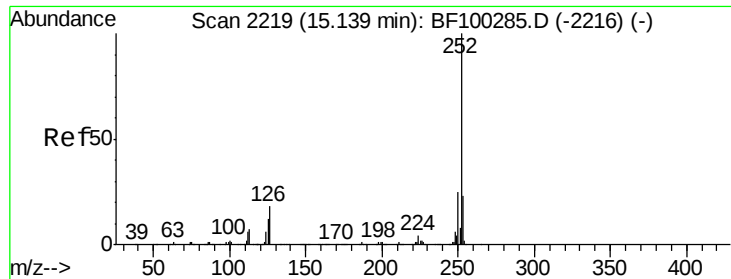
Tgt Ion:264 Resp: 206499
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 19.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.13 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF100437.D
Acq: 11 Nov 2017 13:42

Tgt Ion:252 Resp: 50493
Ion Ratio Lower Upper
252 100
253 29.2 17.0 25.6#
125 21.4 9.0 13.6#

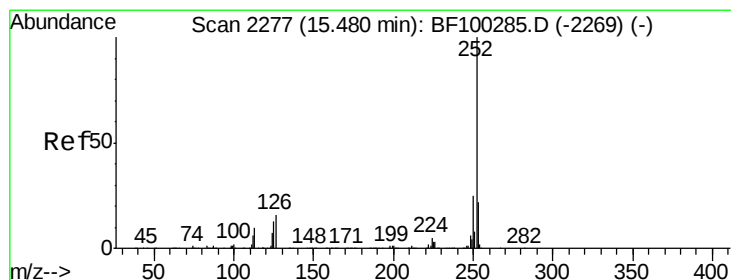
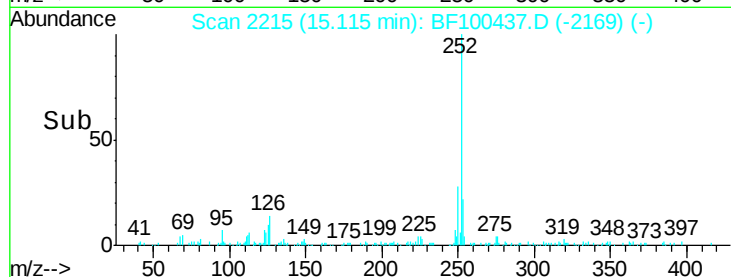
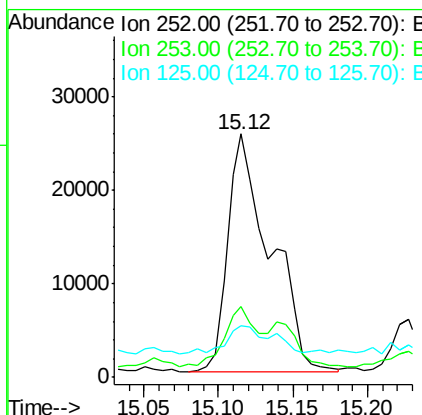
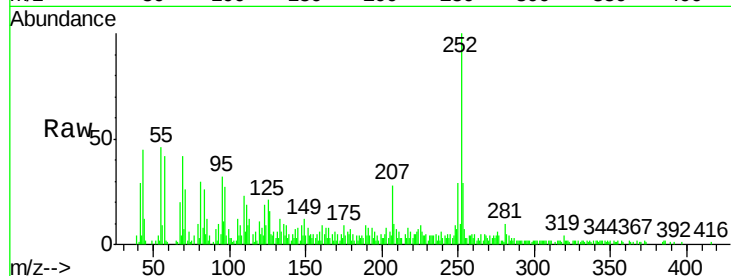




#88
Benzo(k)fluoranthene
Concen: 4.37 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF100437.D
Acq: 11 Nov 2017 13:42

Instrument :
BNA_F
ClientSampleId :
OK-01-110917

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.9	26.9#
125	21.4	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 2.52 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BF100437.D
Acq: 11 Nov 2017 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.1	25.7#
125	24.5	9.8	14.6#

