

Data Path : \\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF012518\
 Data File : BF102461.D
 Acq On : 26 Jan 2018 9:41
 Operator : SJ/JU
 Sample : J1289-15DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.5-14.0DL

Quant Time: Jan 26 11:43:24 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

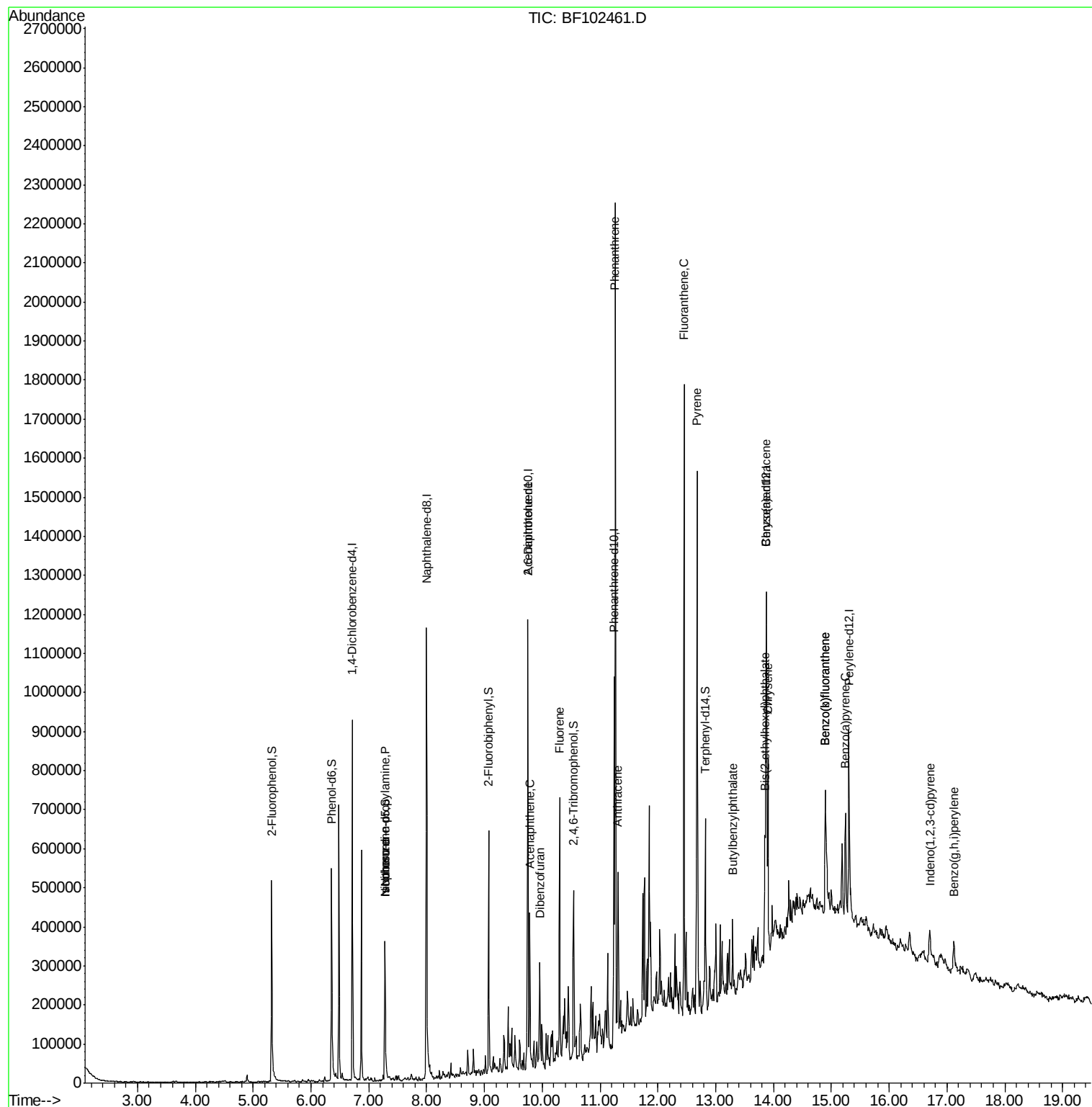
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	133264	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	537582	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	218214	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	333765	20.00	ng	0.00
75) Chrysene-d12	13.88	240	260083	20.00	ng	0.00
86) Perylene-d12	15.30	264	224217	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	187026	21.28	ng	0.00
7) Phenol-d6	6.35	99	228595	21.57	ng	-0.02
23) Nitrobenzene-d5	7.28	82	127802	13.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	32462	15.01	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	219160	14.77	ng	0.00
78) Terphenyl-d14	12.82	244	163858	14.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	16831	2.596	ng	Qvalue # 81
25) Isophorone	7.28	82	127687	7.656	ng	# 65
50) 2,6-Dinitrotoluene	9.75	165	32530	8.365	ng	# 26
51) Acenaphthene	9.79	154	86095	6.239	ng	98
54) Dibenzofuran	9.96	168	84338	4.516	ng	# 97
57) Fluorene	10.30	166	172673	11.668	ng	100
70) Phenanthrene	11.26	178	767011	39.437	ng	99
71) Anthracene	11.32	178	174671	8.799	ng	98
74) Fluoranthene	12.45	202	637790	32.157	ng	98
77) Pyrene	12.68	202	554189	27.560	ng	100
79) Butylbenzylphthalate	13.29	149	42027	4.200	ng	98
80) Benzo(a)anthracene	13.87	228	204211	12.753	ng	98
82) Chrysene	13.90	228	197463	12.144	ng	97
83) Bis(2-ethylhexyl)phthalate	13.85	149	72610	5.399	ng	99
85) Indeno(1,2,3-cd)pyrene	16.70	276	51154	3.809	ng	96
87) Benzo(b)fluoranthene	14.90	252	214995	14.794	ng	# 93
88) Benzo(k)fluoranthene	14.90	252	214995	15.659	ng	# 96
89) Benzo(a)pyrene	15.24	252	120131	9.166	ng	# 95
91) Benzo(g,h,i)perylene	17.12	276	47868	4.566	ng	# 86

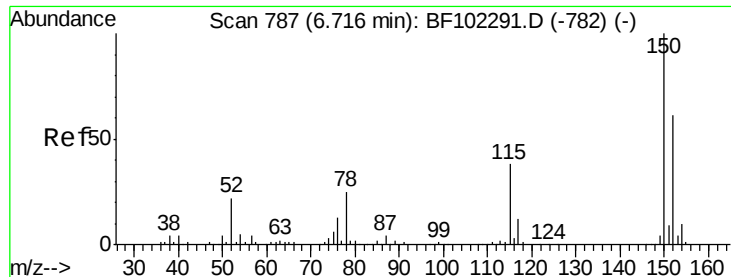
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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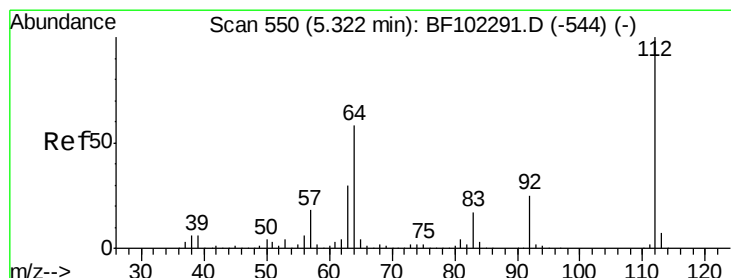
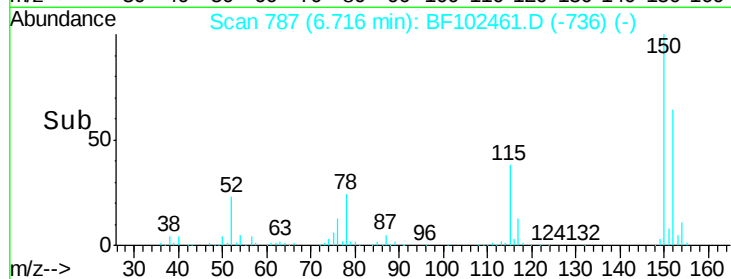
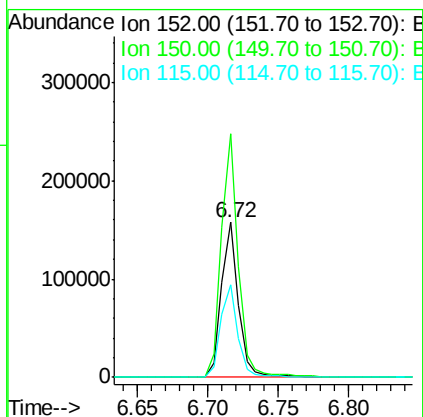
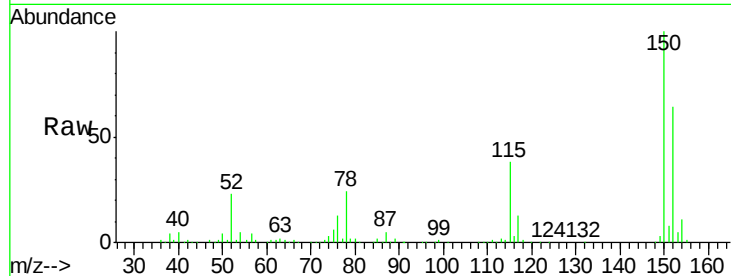


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0DL

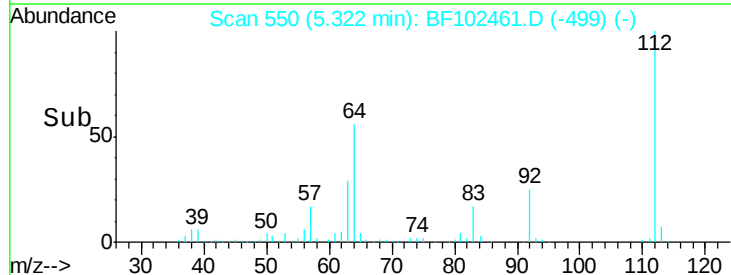
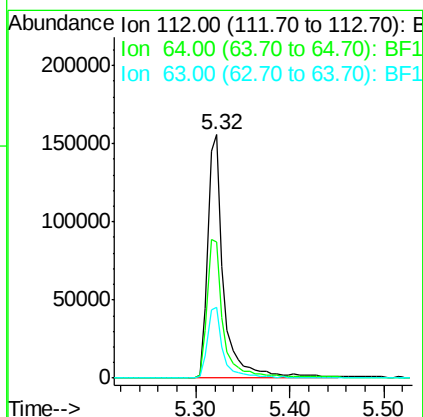
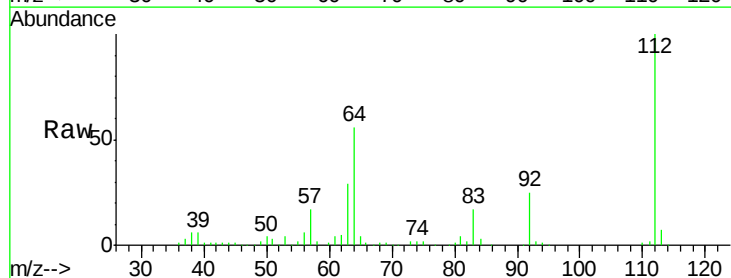
Tgt Ion:152 Resp: 133264
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 59.5 50.1 75.1

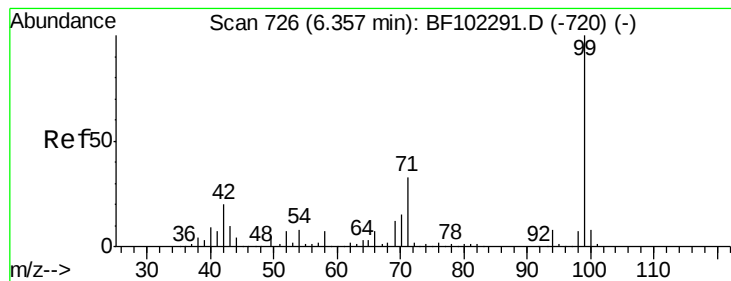


#5

2-Fluorophenol
Concen: 21.280 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Tgt Ion:112 Resp: 187026
Ion Ratio Lower Upper
112 100
64 56.0 47.9 71.9
63 29.2 23.7 35.5





#7

Phenol-d6

Concen: 21.574 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

ClientSampleId :

SB-52-13.5-14.0DL

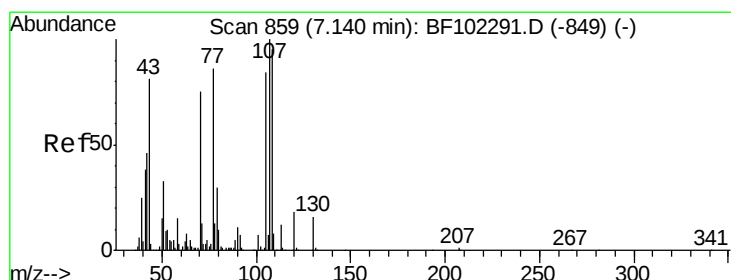
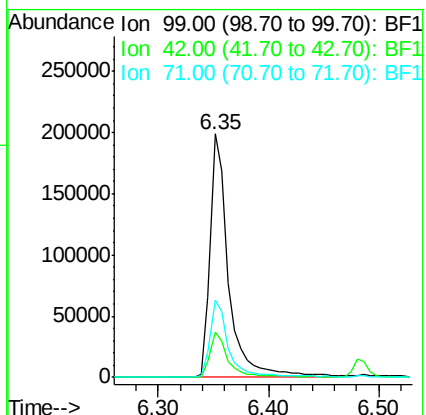
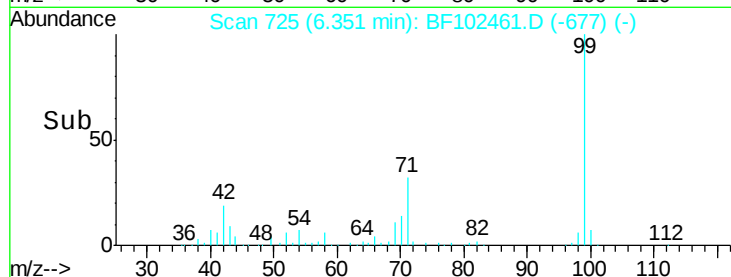
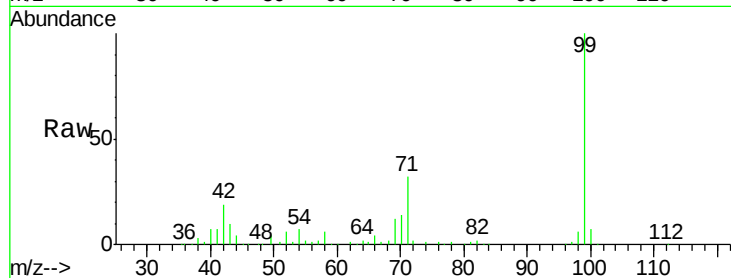
Tgt Ion: 99 Resp: 228595

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 31.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.596 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Tgt Ion: 70 Resp: 16831

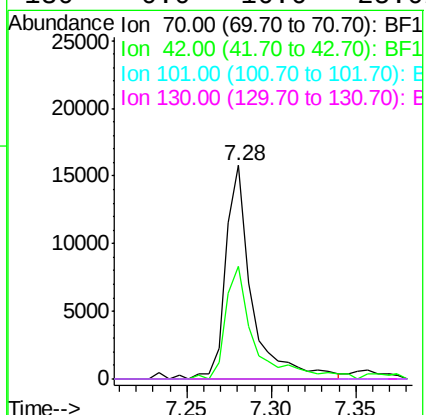
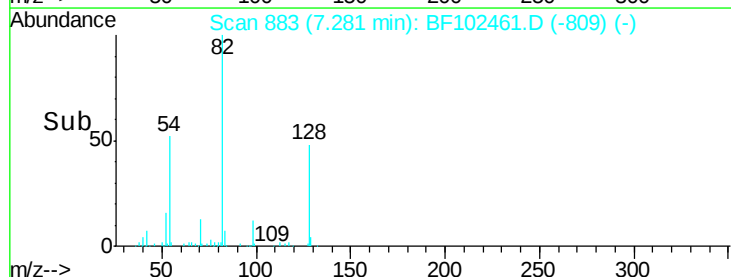
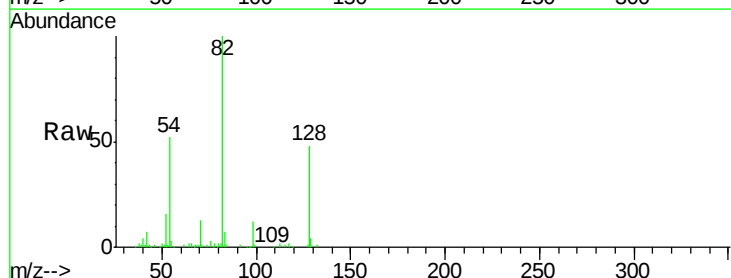
Ion Ratio Lower Upper

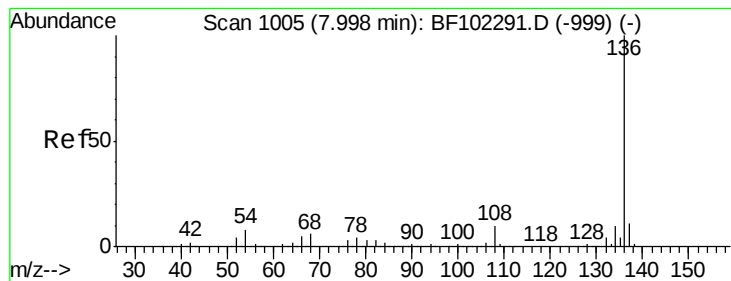
70 100

42 52.8 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

ClientSampleId :

SB-52-13.5-14.0DL

Tgt Ion: 136 Resp: 537582

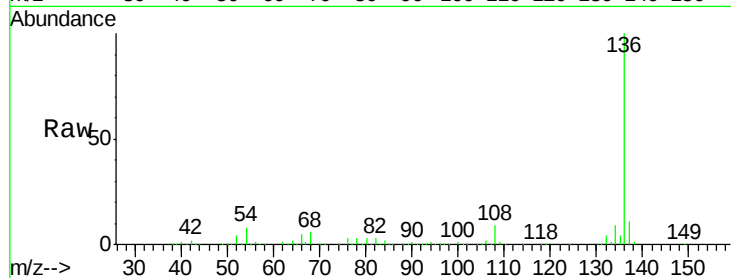
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.0 6.6 9.8

68 5.8 5.0 7.4

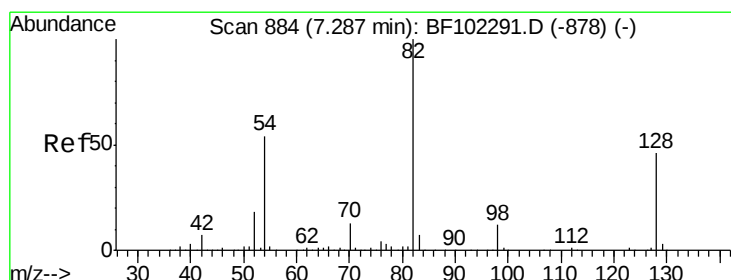
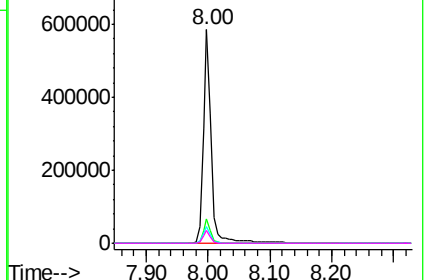
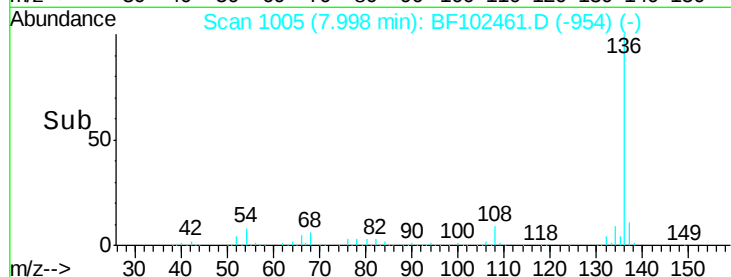


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.662 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

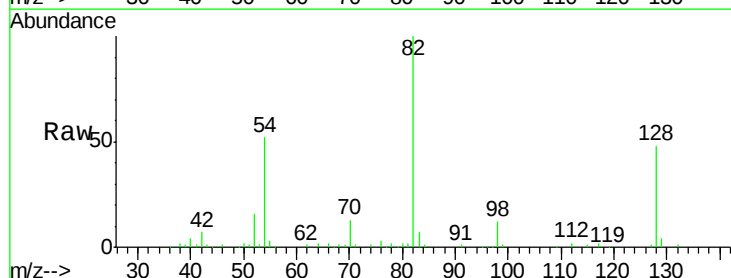
Tgt Ion: 82 Resp: 127802

Ion Ratio Lower Upper

82 100

128 47.7 36.1 54.1

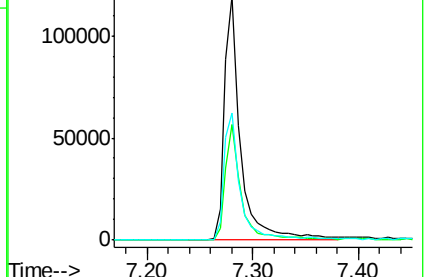
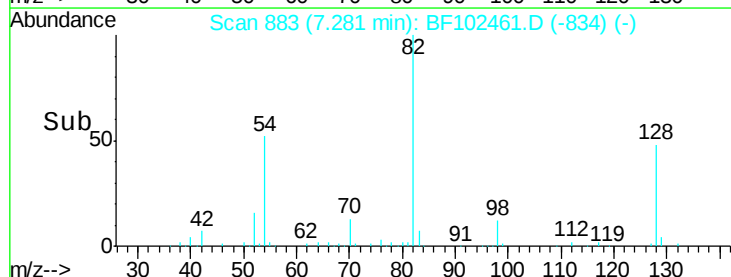
54 52.4 41.4 62.2

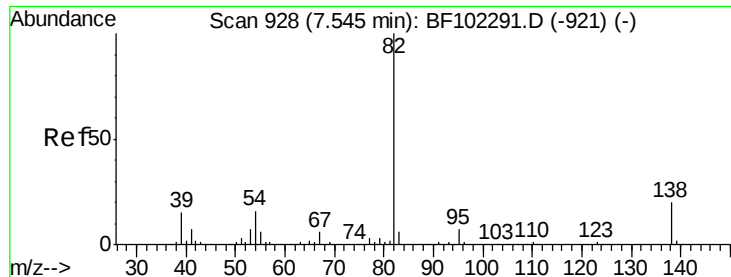


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.656 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

ClientSampleId :

SB-52-13.5-14.0DL

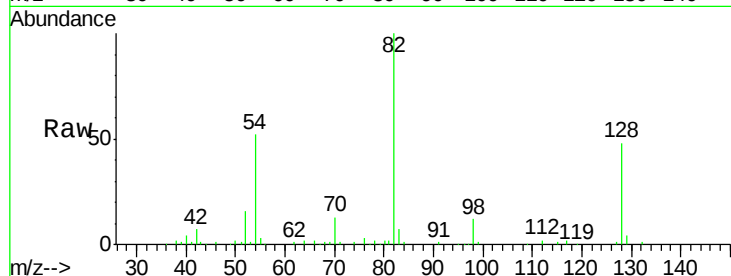
Tgt Ion: 82 Resp: 127687

Ion Ratio Lower Upper

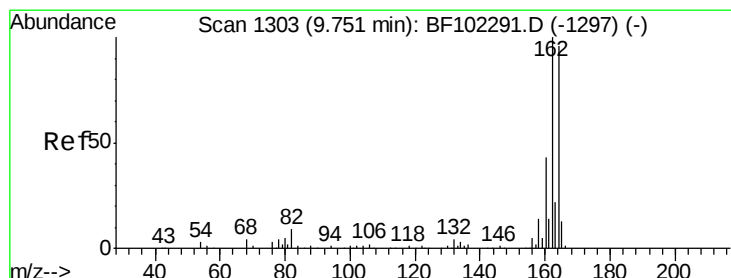
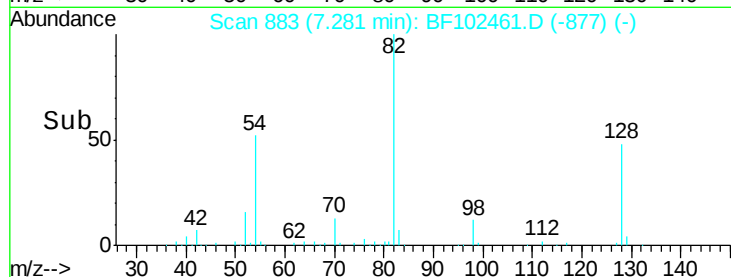
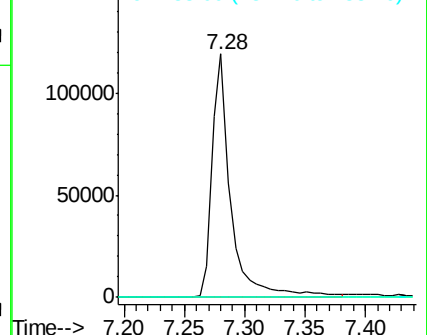
82 100

95 0.3 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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

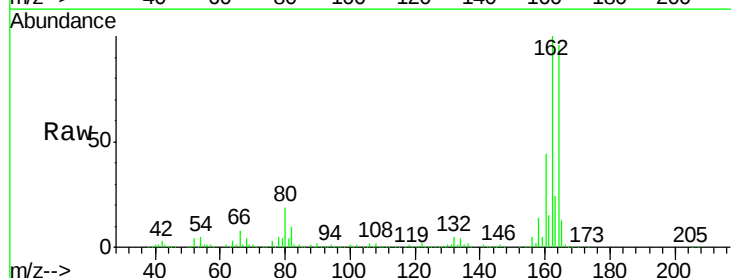
Tgt Ion: 164 Resp: 218214

Ion Ratio Lower Upper

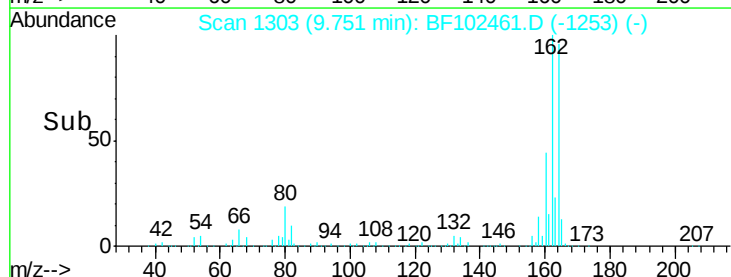
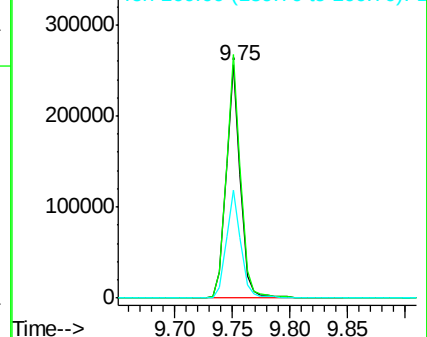
164 100

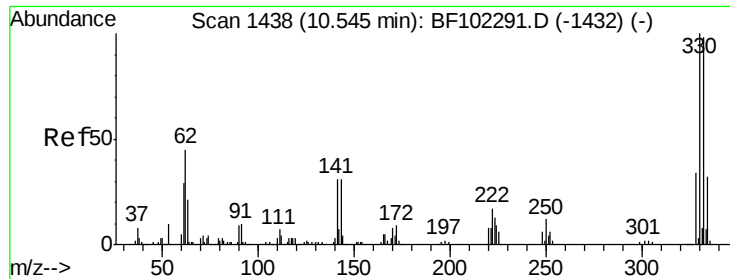
162 104.4 86.1 129.1

160 46.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

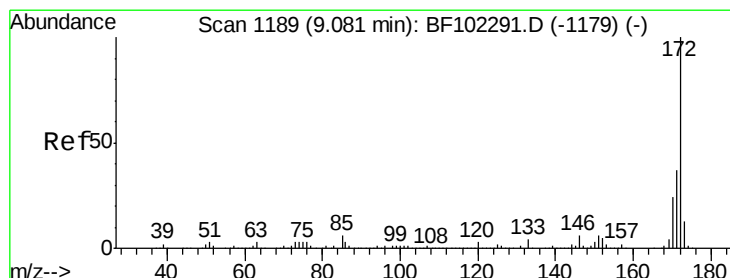
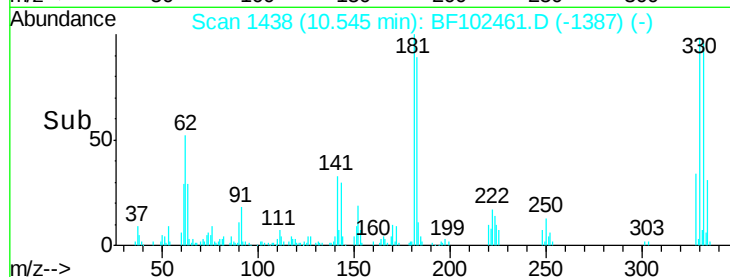
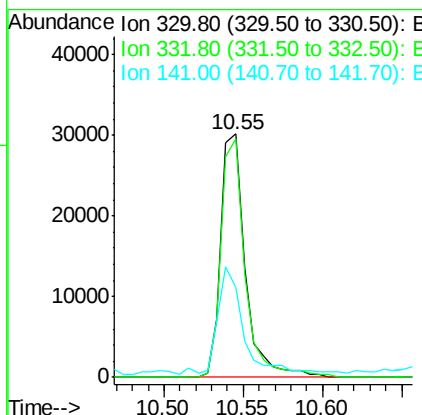
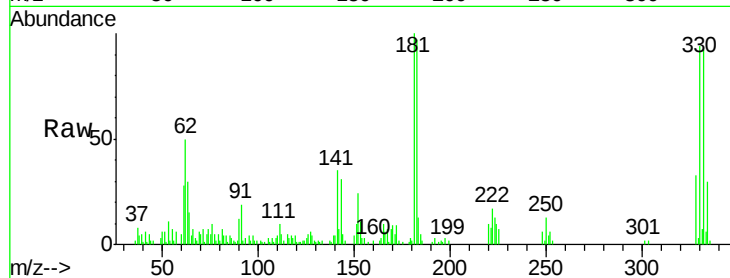




#41
 2,4,6-Tribromophenol
 Concen: 15.014 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

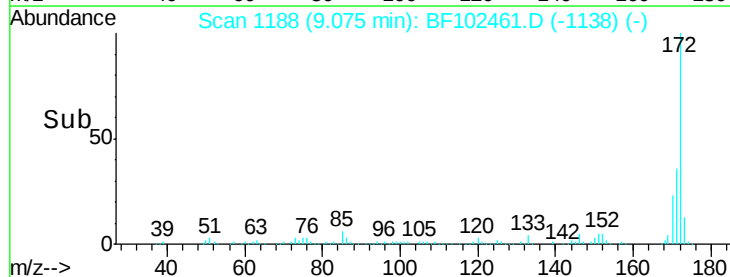
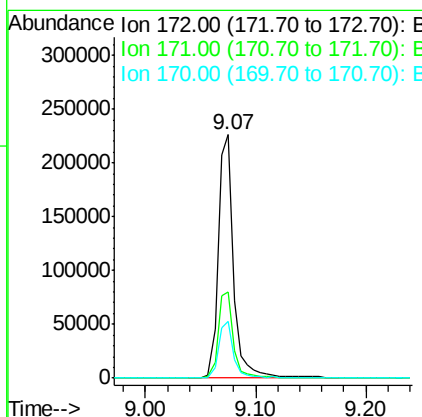
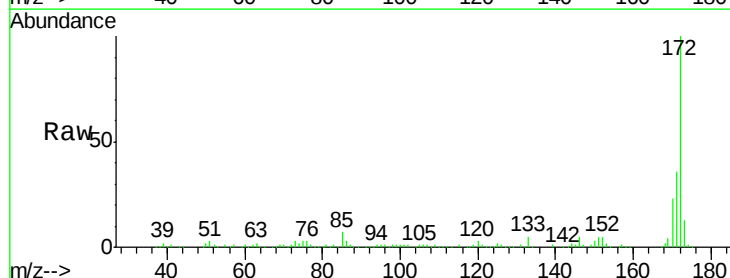
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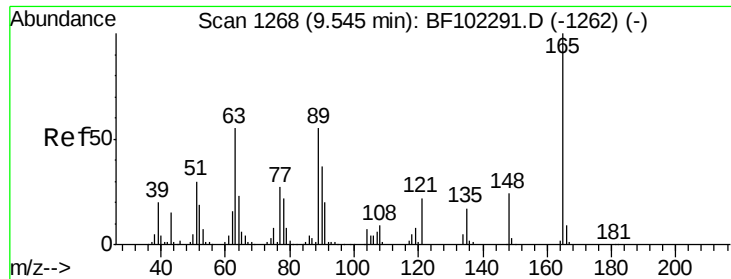
Tgt Ion:330 Resp: 32462
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 46.0 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 14.767 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

Tgt Ion:172 Resp: 219160
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.1 19.6 29.4

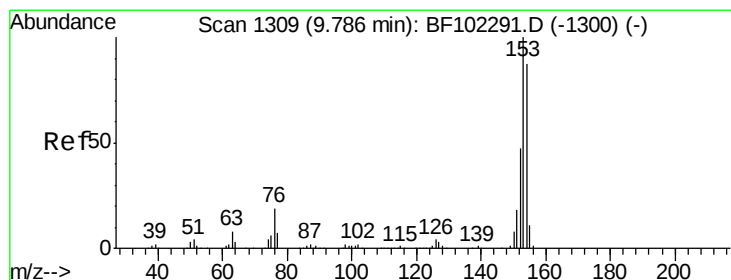
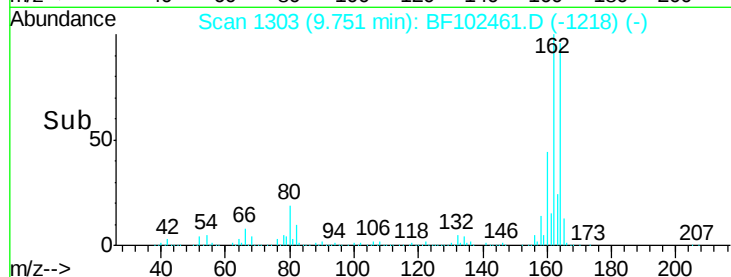
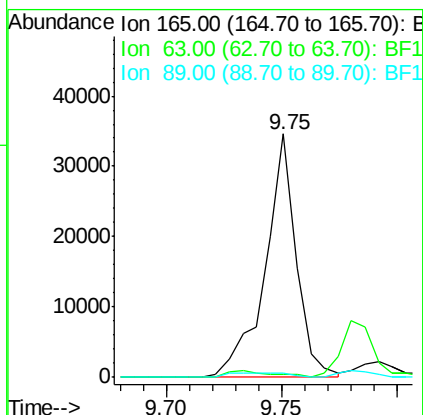
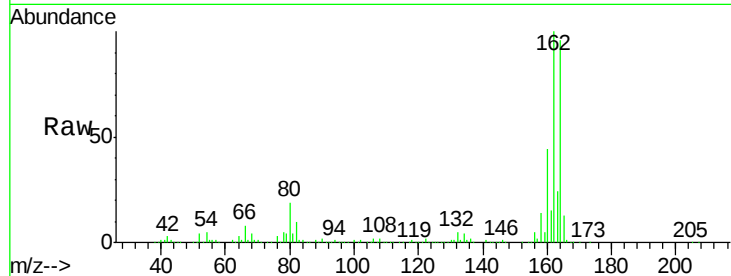




#50
 2,6-Dinitrotoluene
 Concen: 8.365 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.20 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

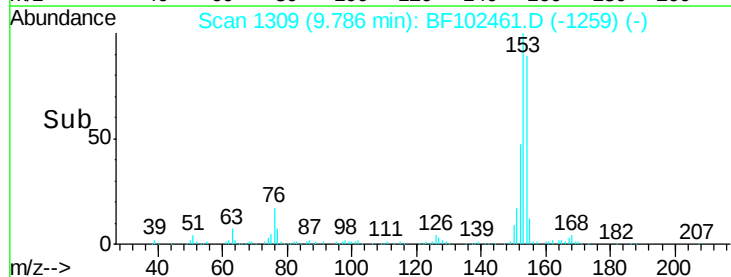
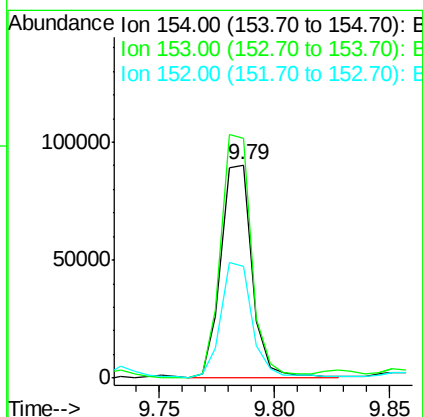
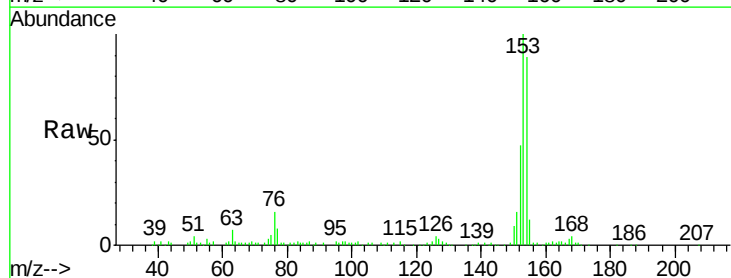
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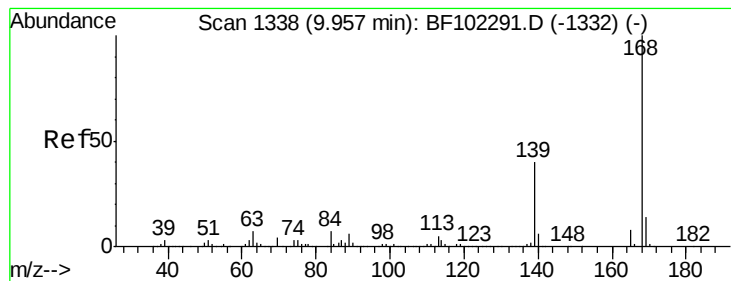
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.7	44.0	66.0#



#51
 Acenaphthene
 Concen: 6.239 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	91.2	136.8
152	52.7	43.8	65.8





#54

Dibenzofuran

Concen: 4.516 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

ClientSampleId :

SB-52-13.5-14.0DL

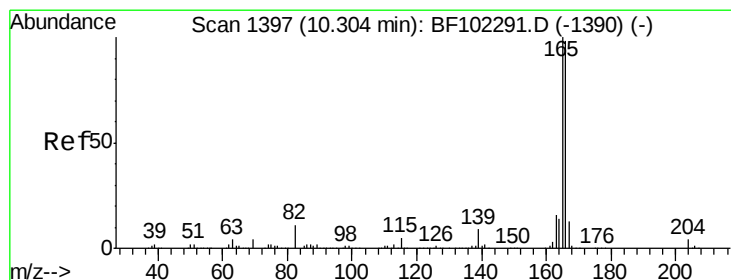
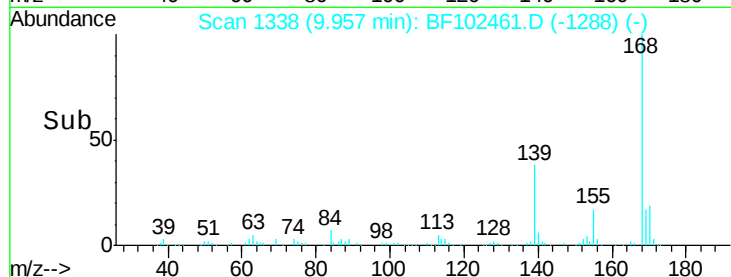
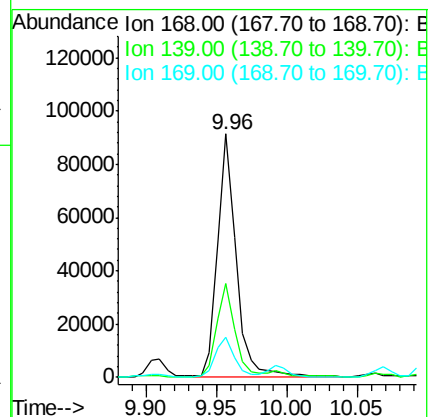
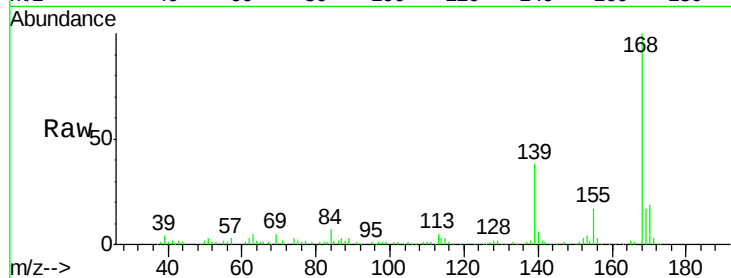
Tgt Ion:168 Resp: 84338

Ion Ratio Lower Upper

168 100

139 38.4 30.1 45.1

169 16.6 10.9 16.3#



#57

Fluorene

Concen: 11.668 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

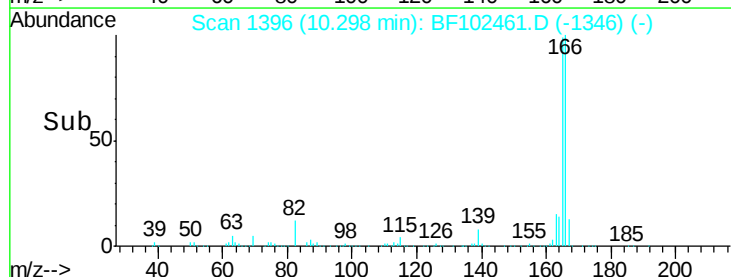
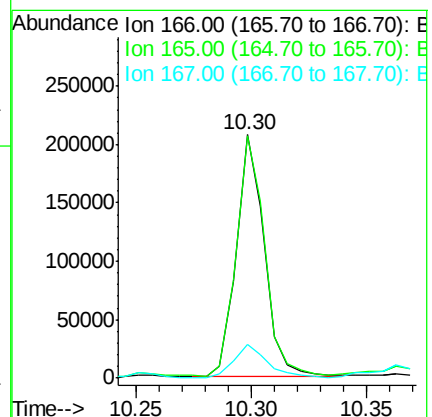
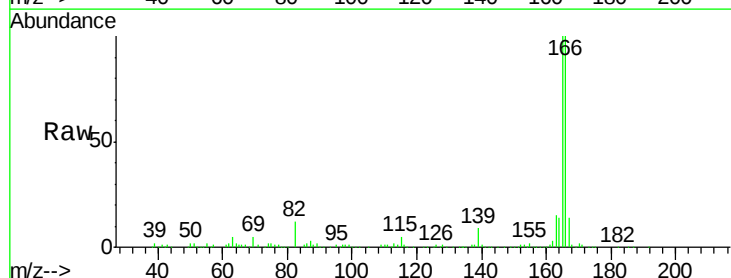
Tgt Ion:166 Resp: 172673

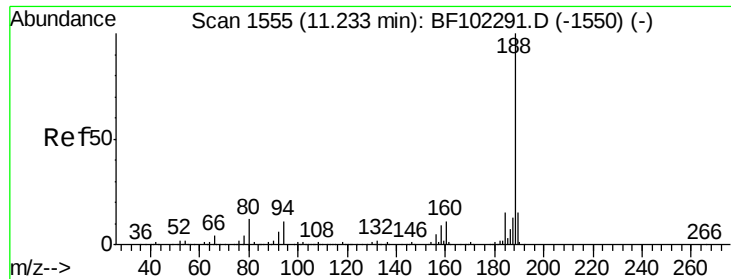
Ion Ratio Lower Upper

166 100

165 99.6 79.8 119.8

167 13.7 10.6 16.0

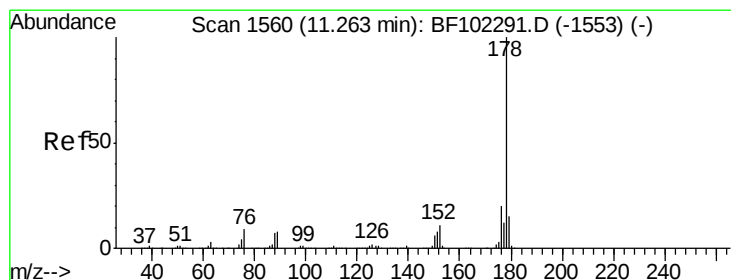
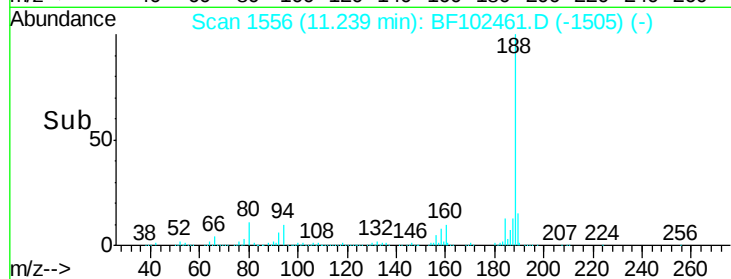
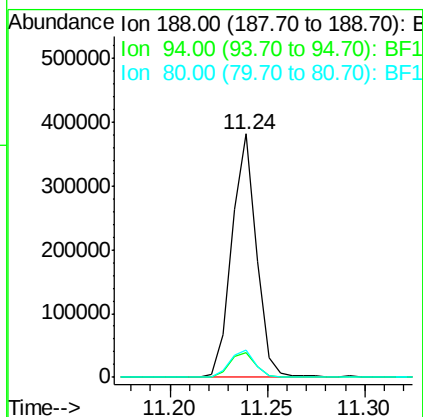
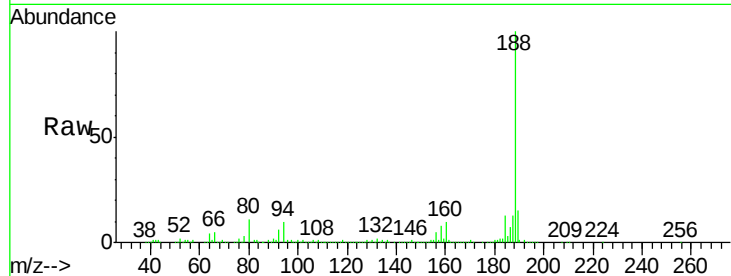




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

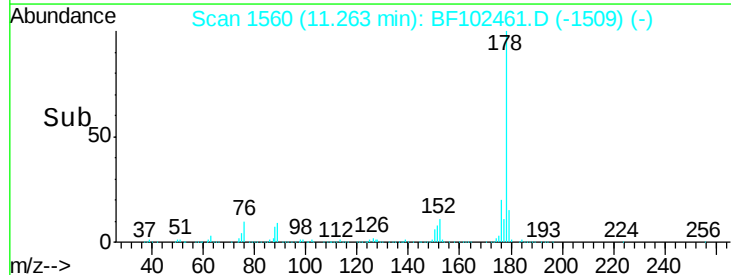
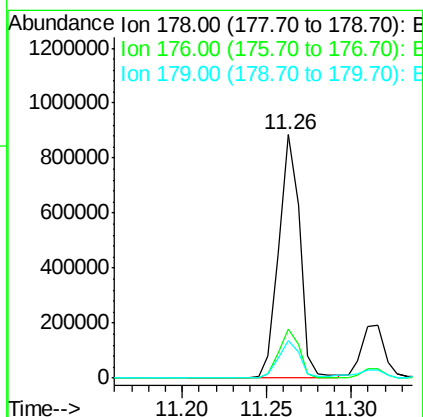
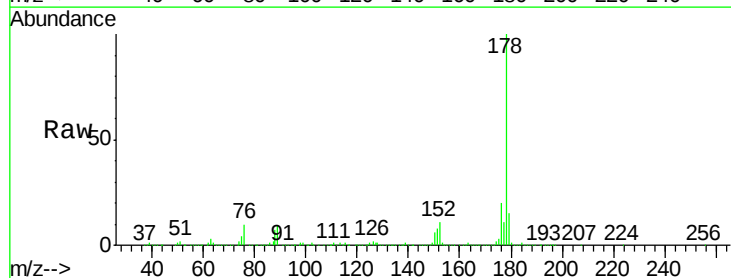
Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0DL

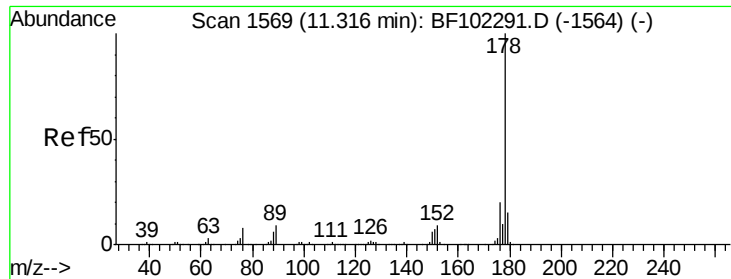
Tgt Ion:188 Resp: 333765
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.3 9.2 13.8



#70
Phenanthrene
Concen: 39.437 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Tgt Ion:178 Resp: 767011
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 15.5 13.0 19.6

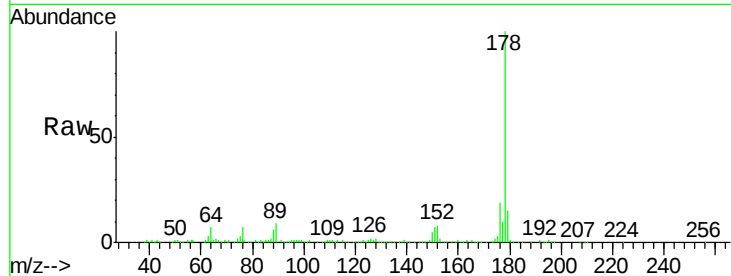




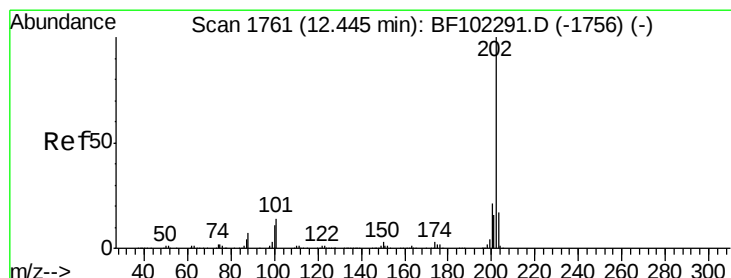
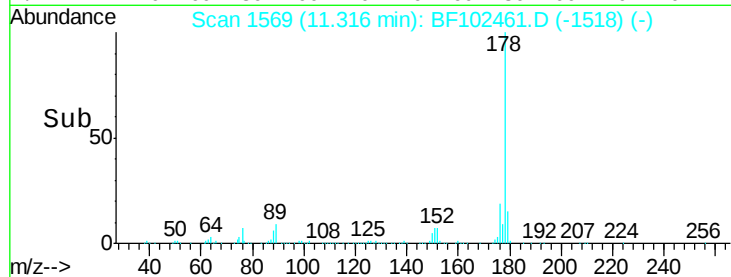
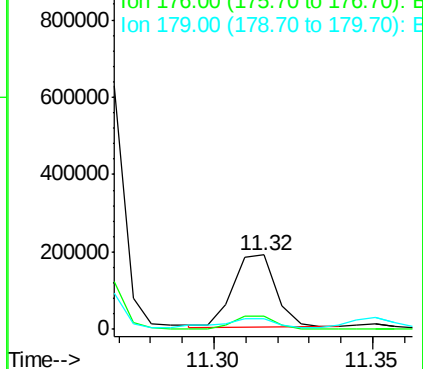
#71
 Anthracene
 Concen: 8.799 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.5-14.0DL

Tgt Ion:178 Resp: 174671
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 14.9 12.6 19.0

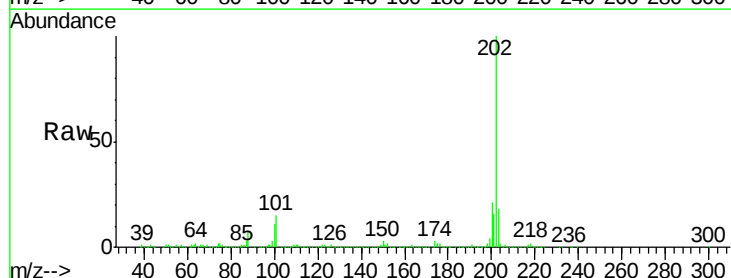


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

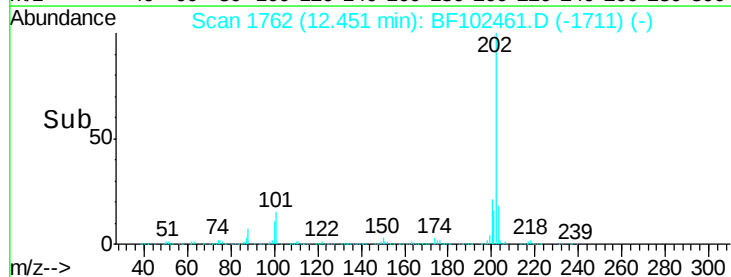
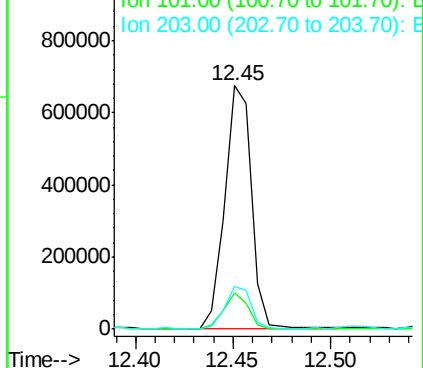


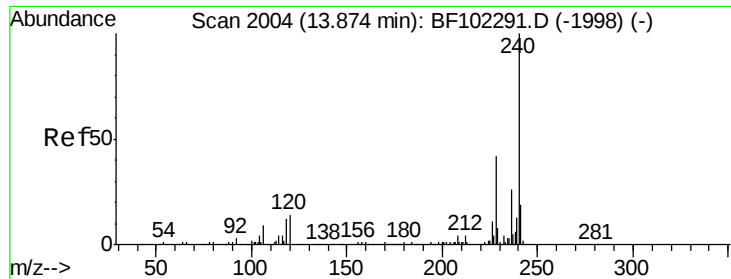
#74
 Fluoranthene
 Concen: 32.157 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

Tgt Ion:202 Resp: 637790
 Ion Ratio Lower Upper
 202 100
 101 15.1 0.0 34.1
 203 17.6 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: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

ClientSampleId :

SB-52-13.5-14.0DL

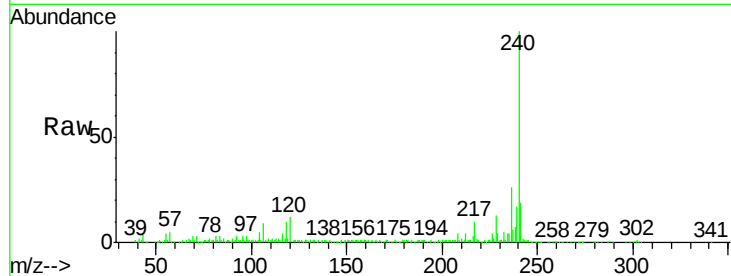
Tgt Ion:240 Resp: 260083

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

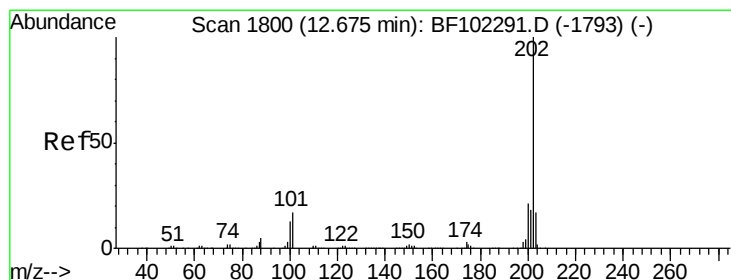
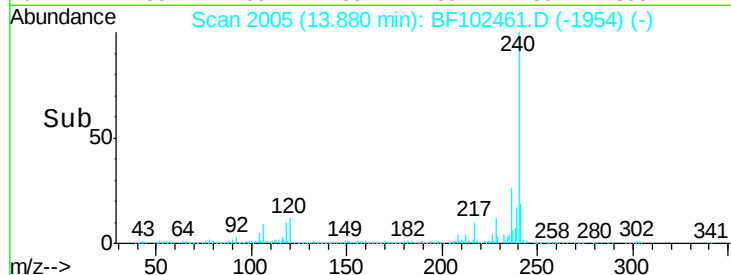
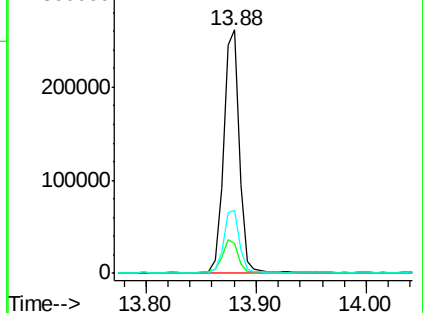
236 25.8 20.7 31.1



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: 27.560 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

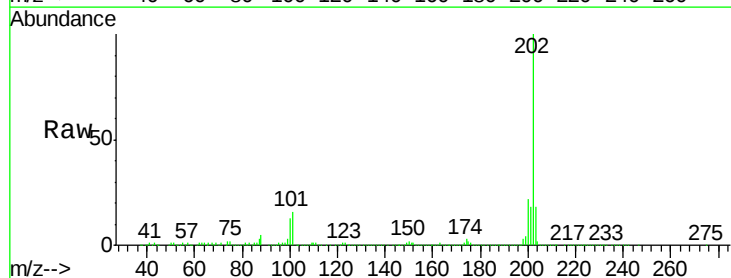
Tgt Ion:202 Resp: 554189

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

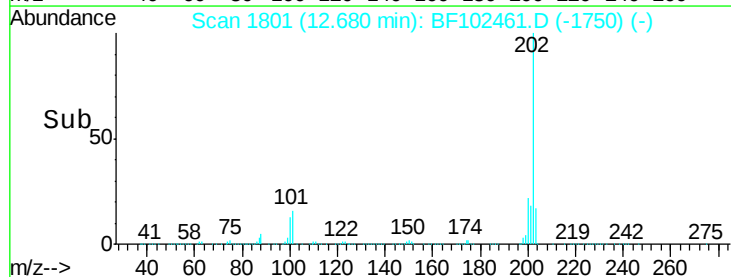
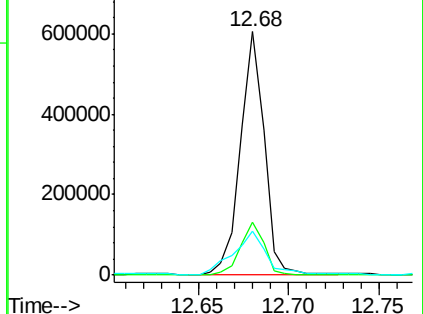
203 17.9 14.3 21.5

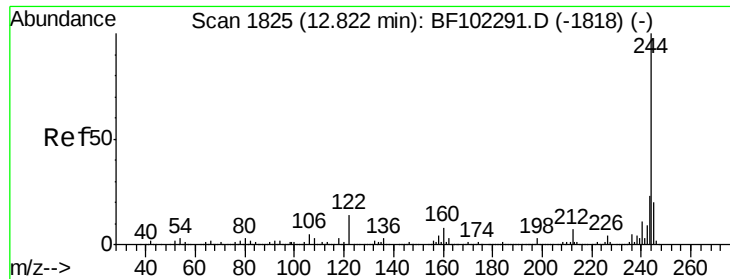


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.203 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

ClientSampleId :

SB-52-13.5-14.0DL

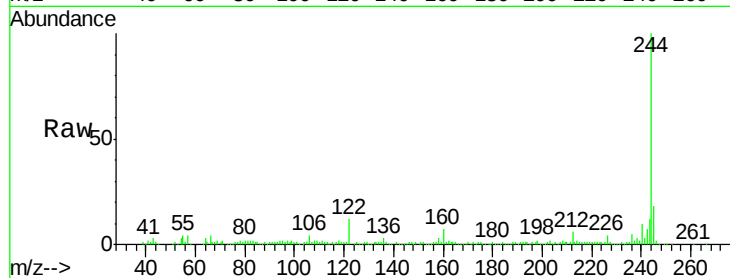
Tgt Ion:244 Resp: 163858

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

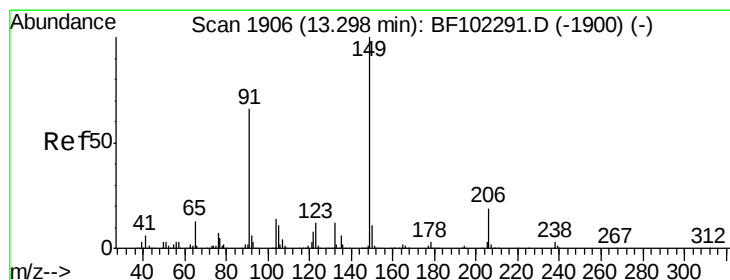
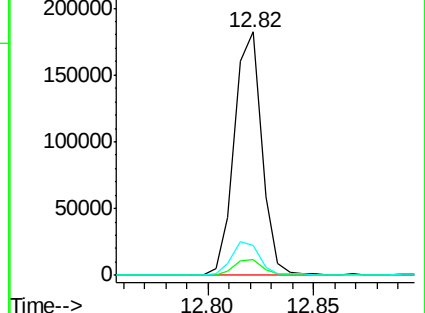
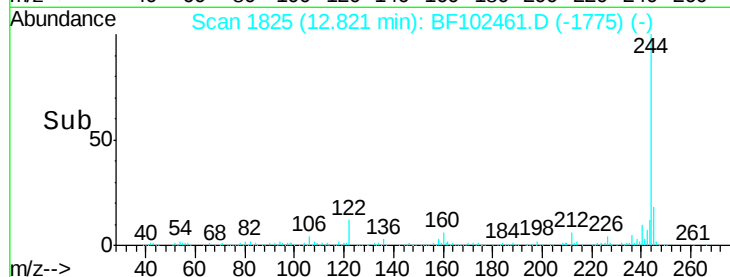
122 12.1 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 4.200 ng

RT: 13.29 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

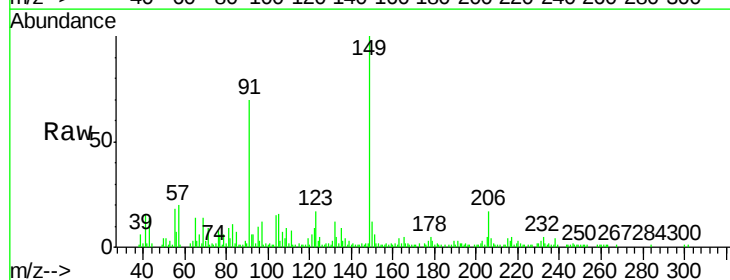
Tgt Ion:149 Resp: 42027

Ion Ratio Lower Upper

149 100

91 69.7 56.8 85.2

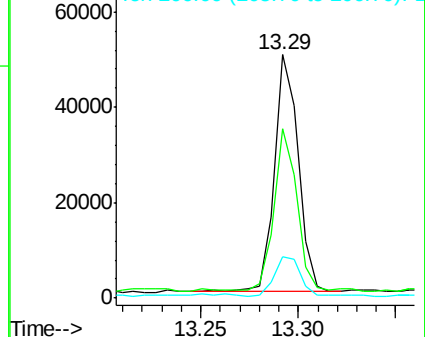
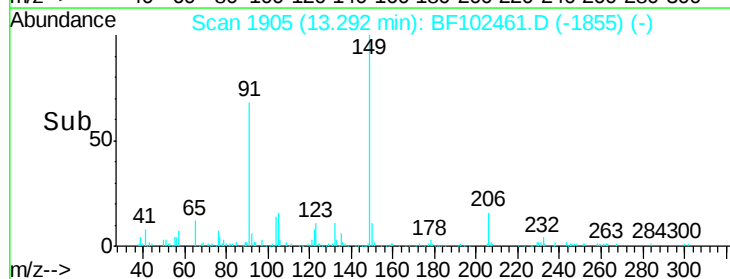
206 16.9 14.1 21.1

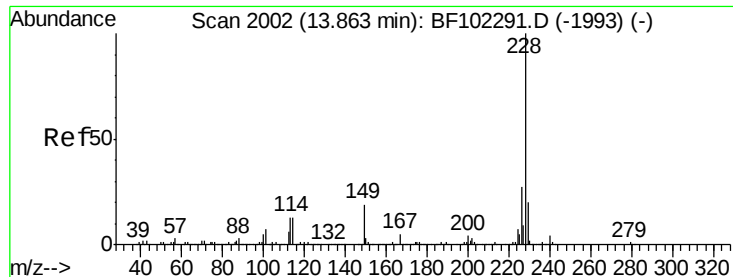


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 12.753 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

ClientSampleId :

SB-52-13.5-14.0DL

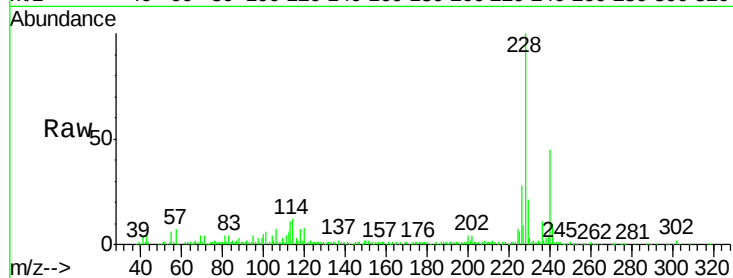
Tgt Ion:228 Resp: 204211

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

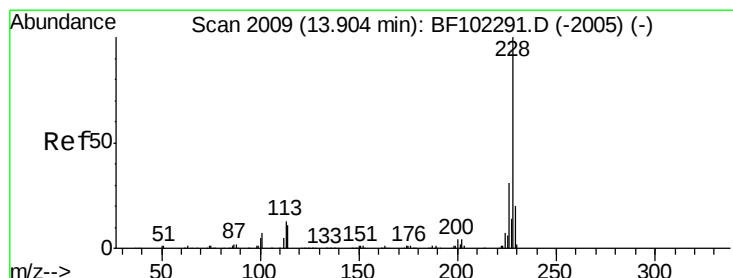
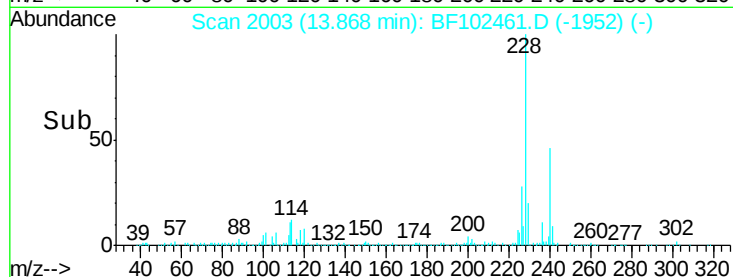
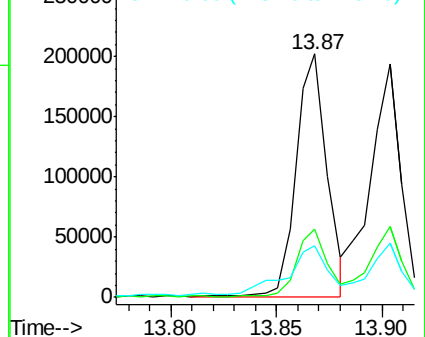
229 21.4 15.8 23.6



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: 12.144 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

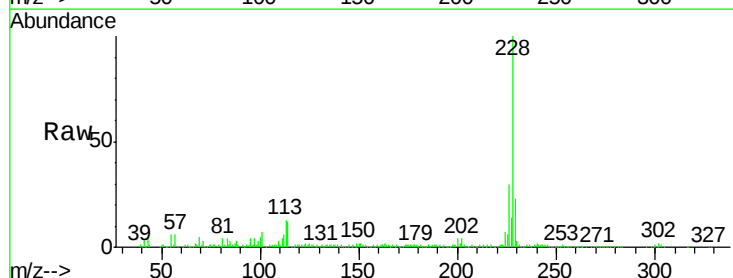
Tgt Ion:228 Resp: 197463

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

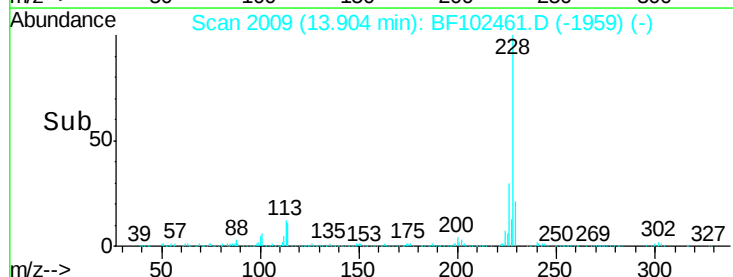
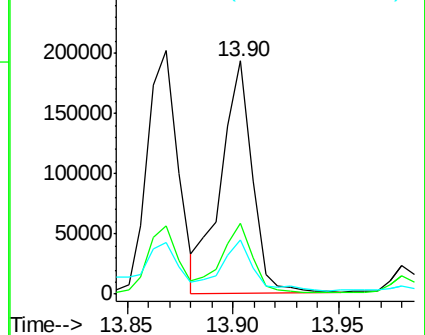
229 23.0 16.2 24.4

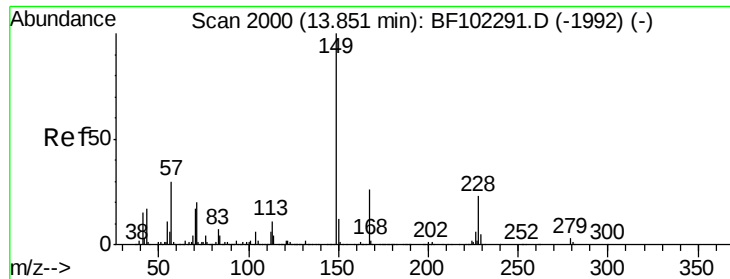


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

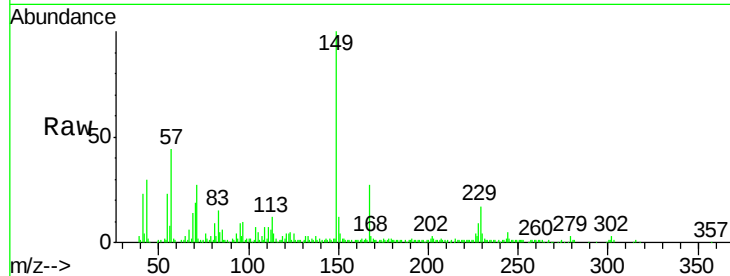




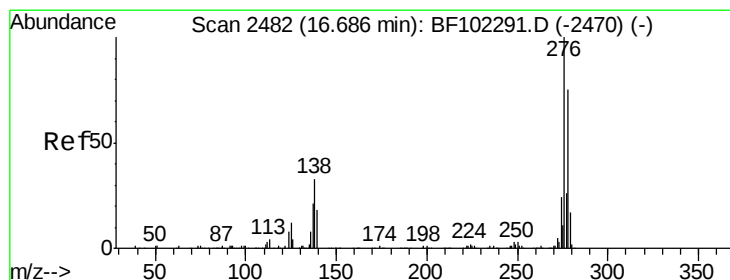
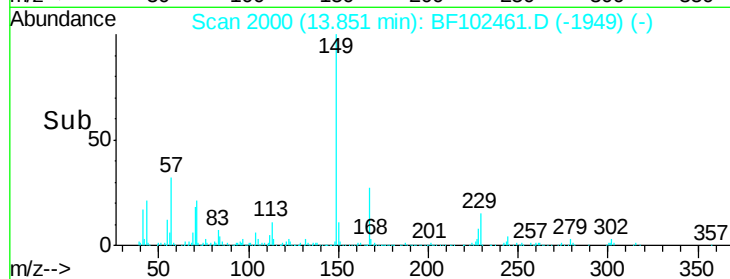
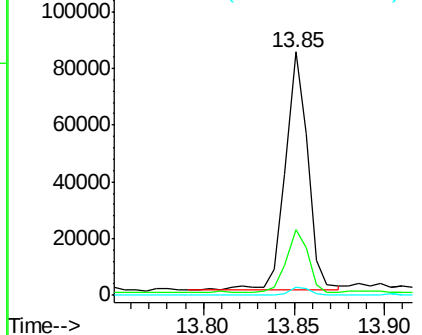
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.399 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. 0.00 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.5-14.0DL

Tgt Ion:149 Resp: 72610
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.3 31.9
 279 3.3 3.0 4.4

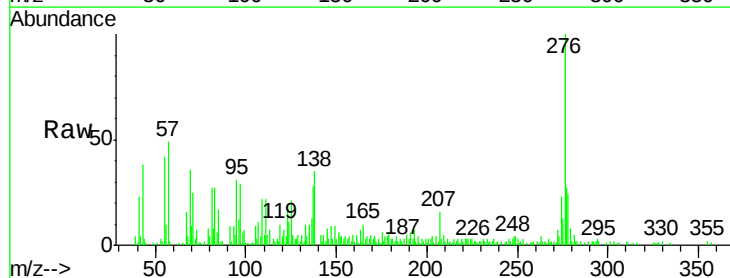


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

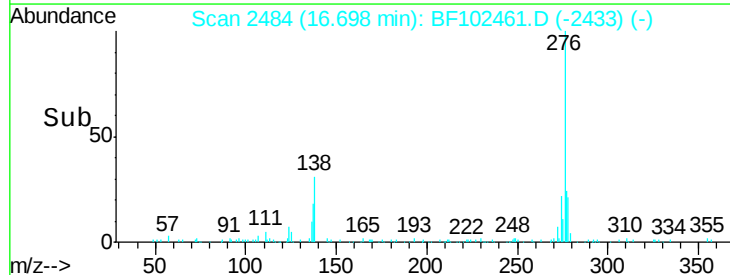
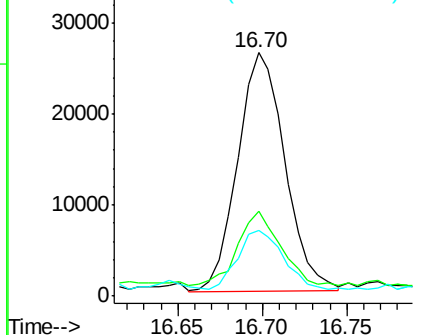


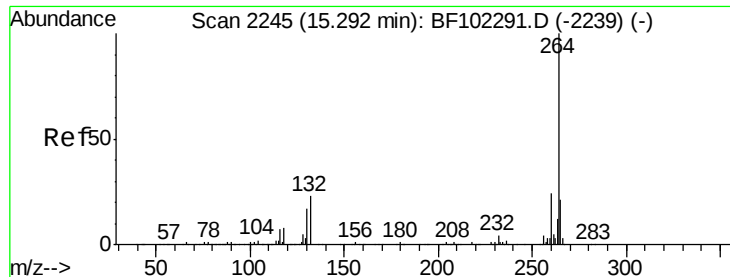
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.809 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

Tgt Ion:276 Resp: 51154
 Ion Ratio Lower Upper
 276 100
 138 28.1 25.0 37.6
 277 23.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



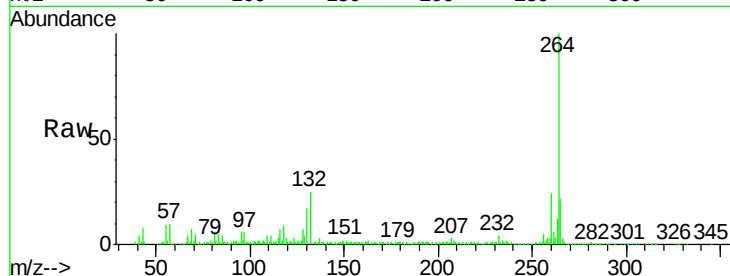


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

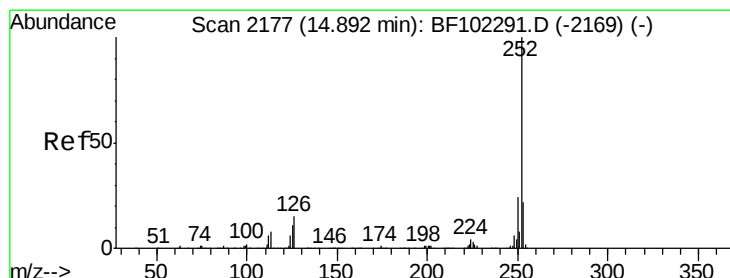
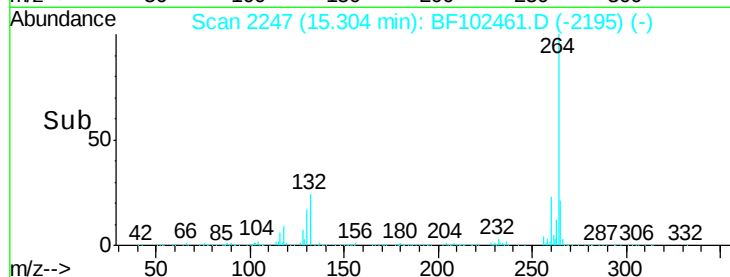
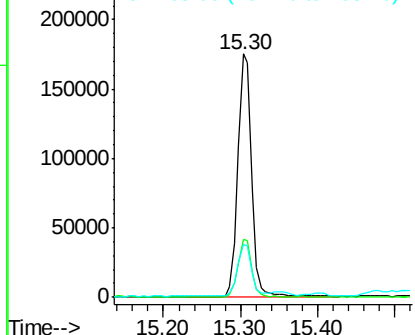
Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0DL

Tgt Ion: 264 Resp: 224217

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.6	17.5	26.3



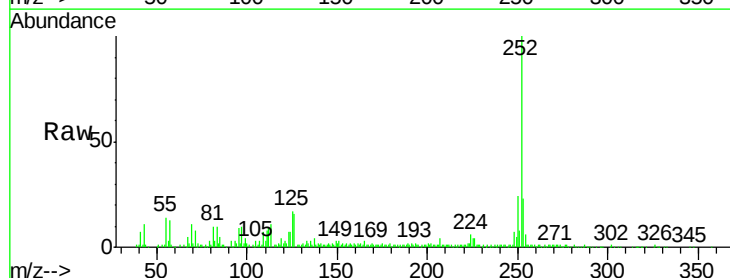
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



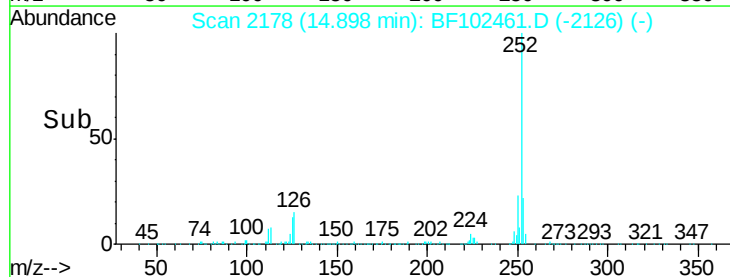
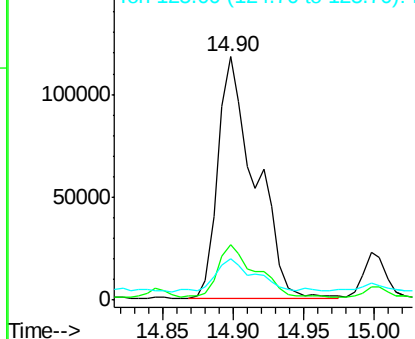
#87
Benzo(b)fluoranthene
Concen: 14.794 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

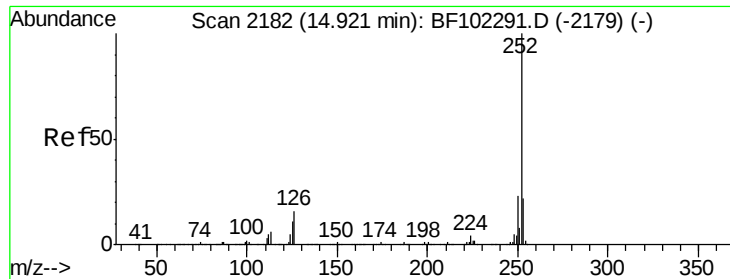
Tgt Ion: 252 Resp: 214995

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	17.0	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

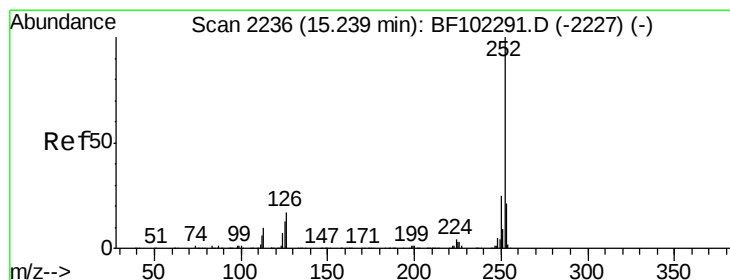
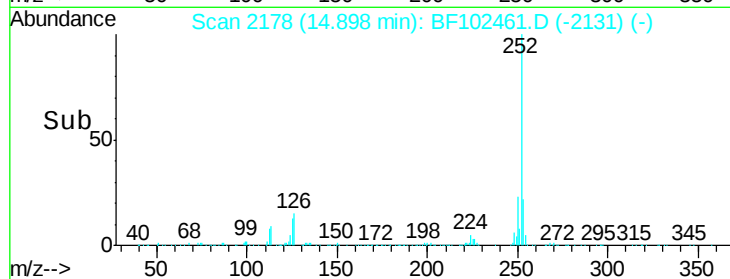
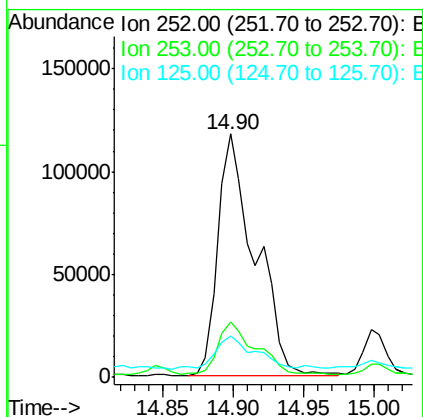
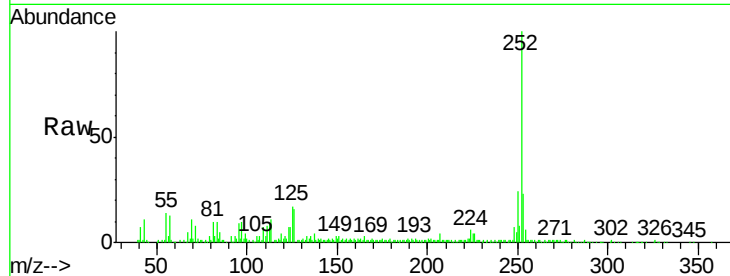




#88
Benzo(k)fluoranthene
Concen: 15.659 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

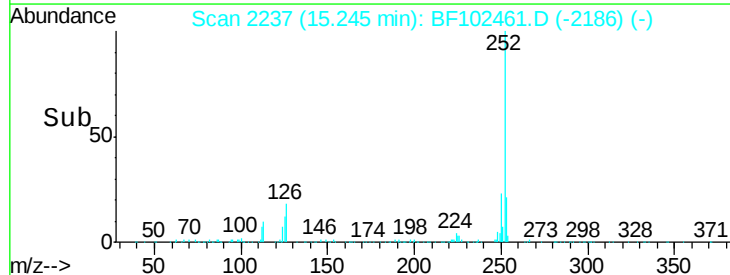
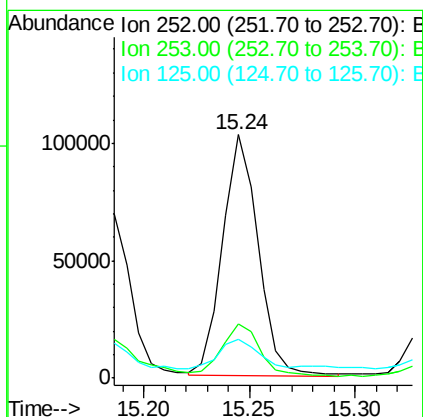
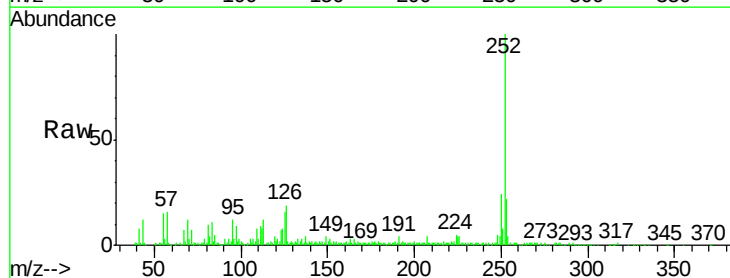
Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0DL

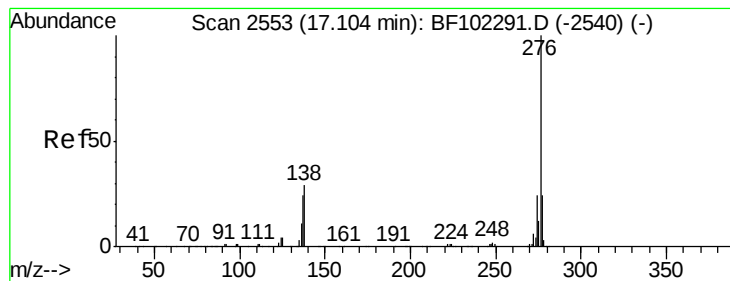
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	17.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 9.166 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	16.0	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 4.566 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BF102461.D

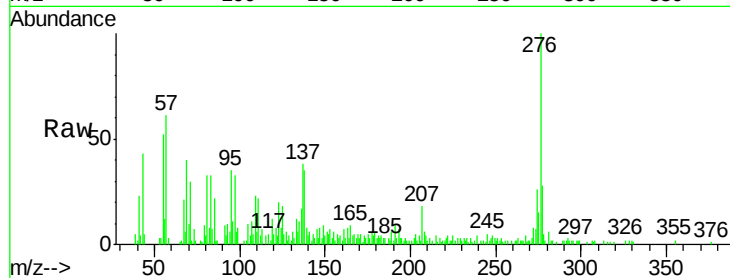
Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

ClientSampleId :

SB-52-13.5-14.0DL



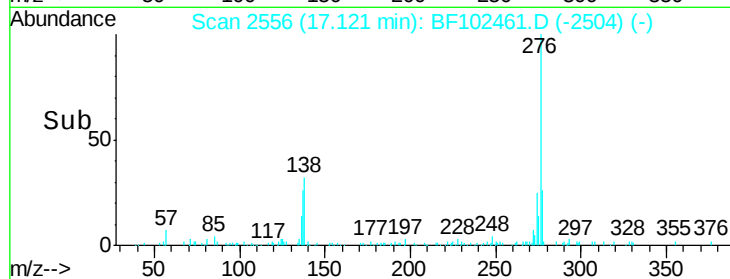
Tgt Ion: 276 Resp: 47868

Ion Ratio Lower Upper

276 100

277 28.3 17.9 26.9#

138 34.9 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

