

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102561.D
 Acq On : 28 Jan 2018 17:00
 Operator : SJ/JU
 Sample : J1290-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 03:15:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

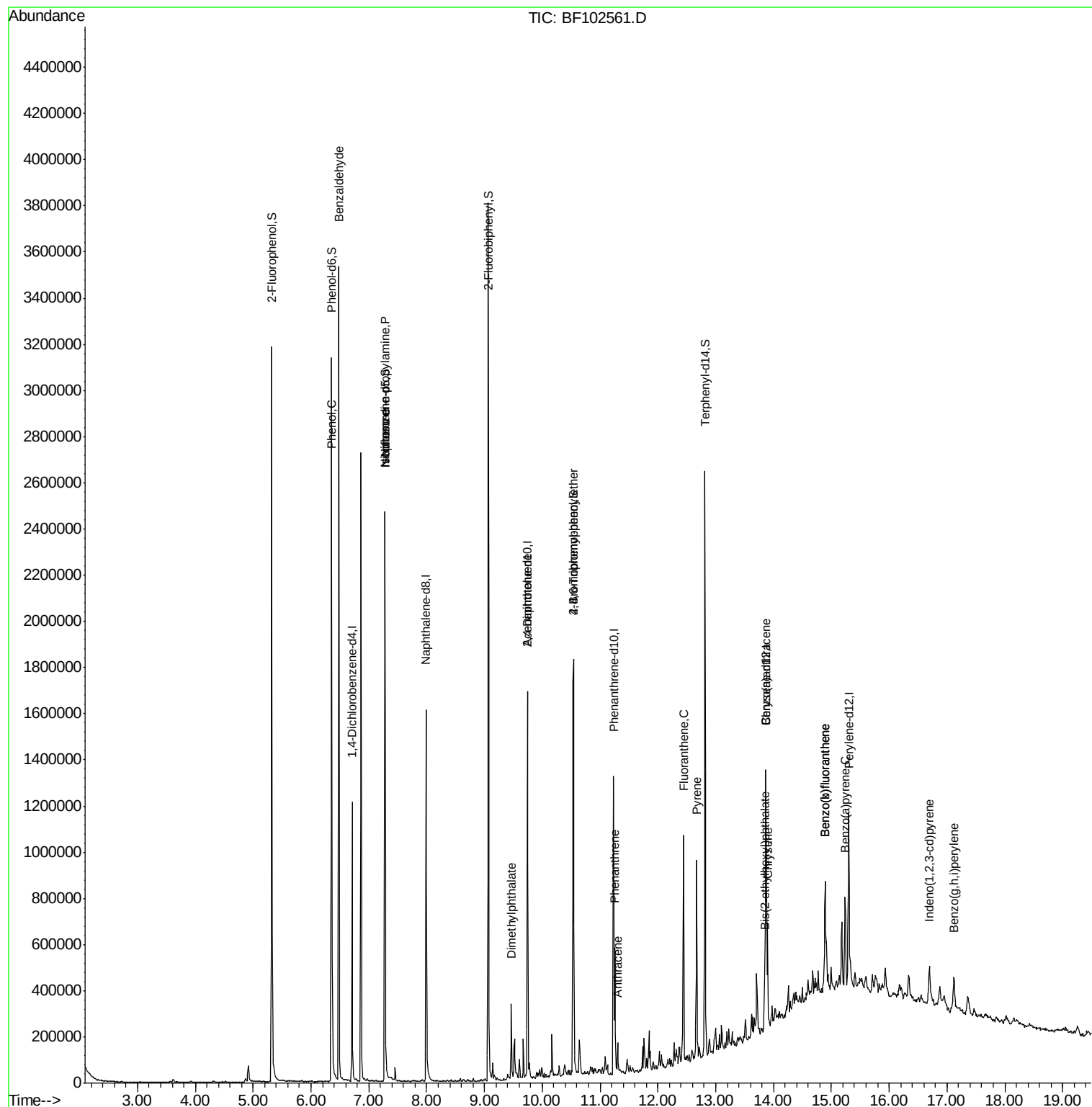
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	173735	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	733603	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	309483	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	477353	20.00	ng	0.00
75) Chrysene-d12	13.87	240	315593	20.00	ng	-0.01
86) Perylene-d12	15.30	264	333384	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1034062	90.25	ng	0.00
7) Phenol-d6	6.36	99	1295453	93.78	ng	0.00
23) Nitrobenzene-d5	7.28	82	807698	63.27	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	219462	71.57	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1208391	57.41	ng	0.00
78) Terphenyl-d14	12.82	244	823885	58.85	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.49	77	22249	2.345	ng	82
10) Phenol	6.37	94	38687	2.565	ng	87
19) n-Nitroso-di-n-propylamine	7.28	70	107968	12.772	ng	# 79
25) Isophorone	7.28	82	807689	35.490	ng	# 64
49) Dimethylphthalate	9.46	163	117612	4.598	ng	99
56) 2,4-Dinitrotoluene	9.75	165	40159	5.921	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	15499	3.016	ng	# 1
70) Phenanthrene	11.26	178	213293	7.668	ng	97
71) Anthracene	11.31	178	63769	2.246	ng	98
74) Fluoranthene	12.44	202	385489	13.590	ng	98
77) Pyrene	12.67	202	368201	15.090	ng	100
80) Benzo(a)anthracene	13.86	228	183421	9.440	ng	97
82) Chrysene	13.90	228	177737	9.008	ng	98
83) Bis(2-ethylhexyl)phthalate	13.84	149	49849	3.055	ng	100
85) Indeno(1,2,3-cd)pyrene	16.70	276	99904	6.131	ng	99
87) Benzo(b)fluoranthene	14.89	252	315456	14.599	ng	# 93
88) Benzo(k)fluoranthene	14.89	252	315456	15.452	ng	96
89) Benzo(a)pyrene	15.24	252	175936	9.028	ng	# 93
91) Benzo(a,h,i)perylene	17.12	276	94933	6.090	ng	# 86

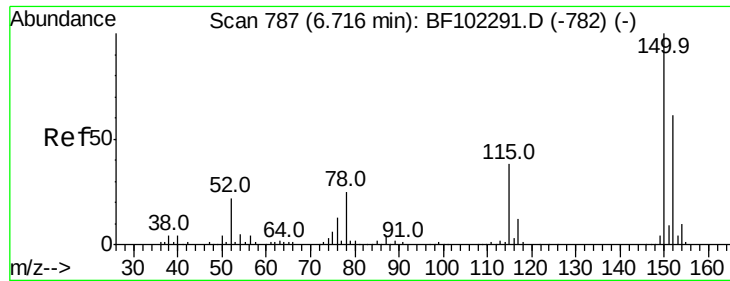
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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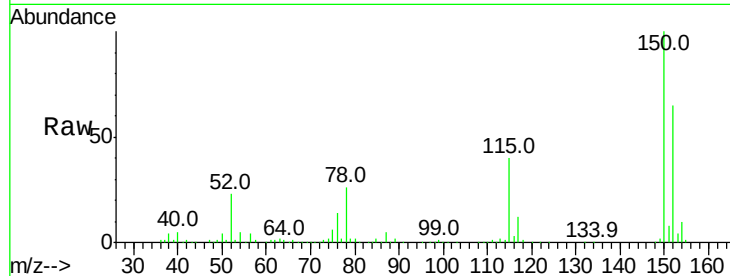


#1

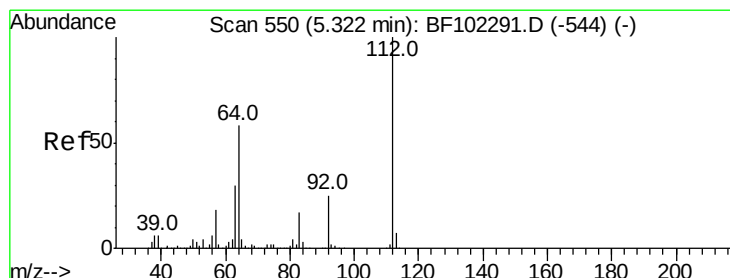
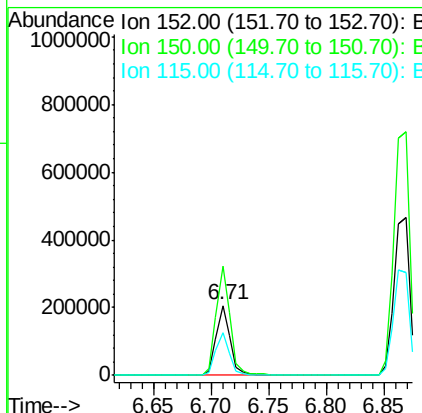
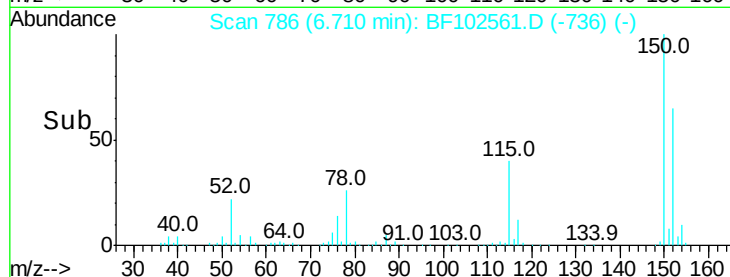
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102561.D
Acq: 28 Jan 2018 17:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 173735
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 61.2 50.1 75.1



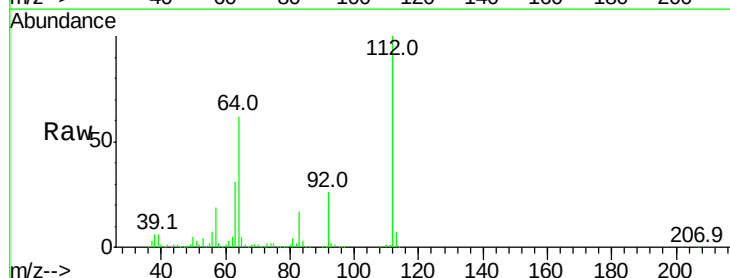
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



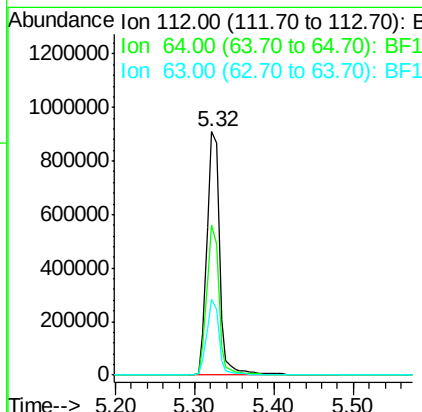
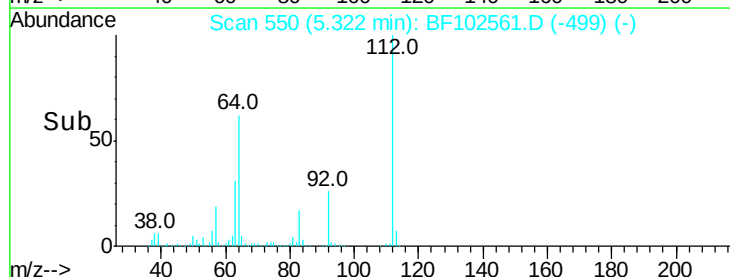
#5

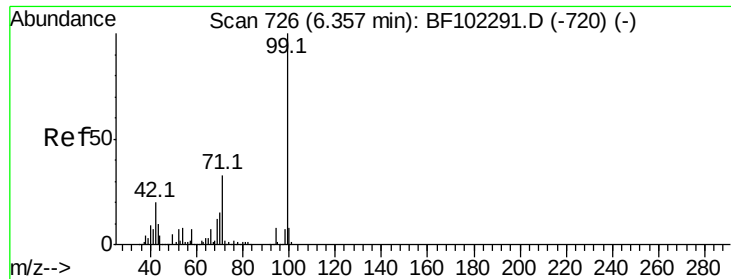
2-Fluorophenol
Concen: 90.247 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102561.D
Acq: 28 Jan 2018 17:00

Tgt Ion:112 Resp: 1034062
Ion Ratio Lower Upper
112 100
64 61.6 47.9 71.9
63 31.2 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: 93.780 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampled :

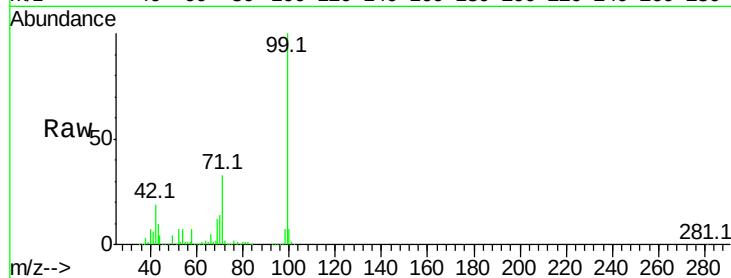
Tot Ion: 99 Resp: 1295453

Ion Ratio Lower Upper

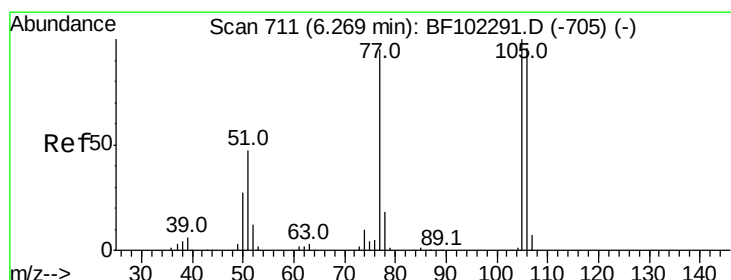
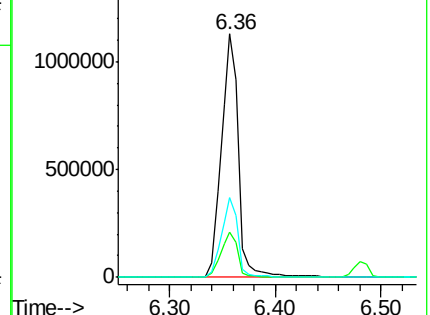
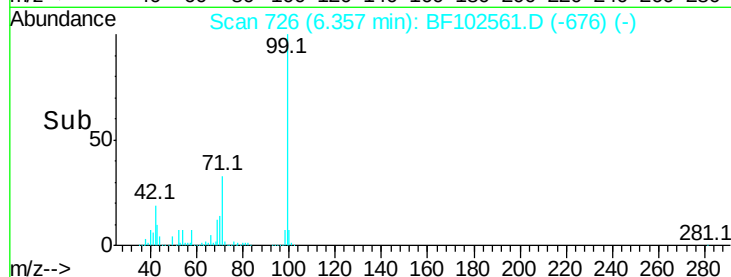
99 100

42 18.6 14.5 21.7

71 32.9 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



#9

Benzaldehyde

Concen: 2.345 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

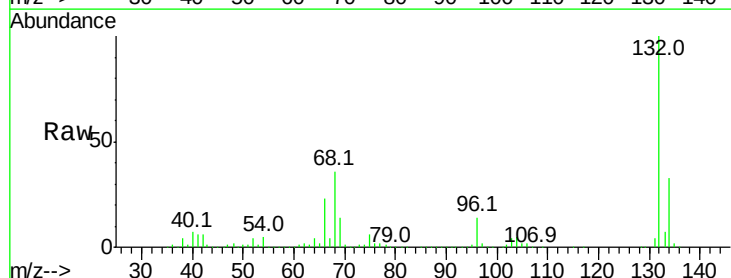
Tgt Ion: 77 Resp: 22249

Ion Ratio Lower Upper

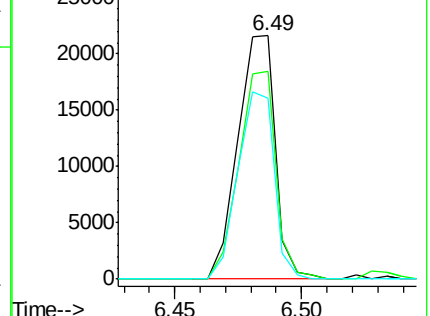
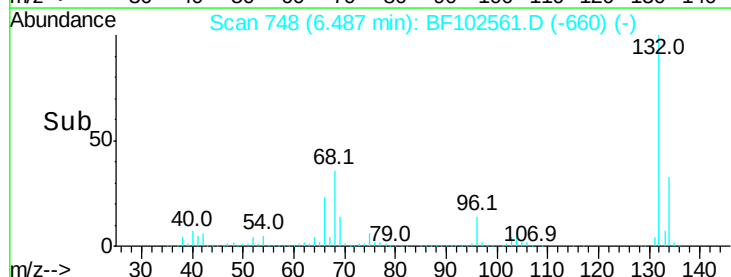
77 100

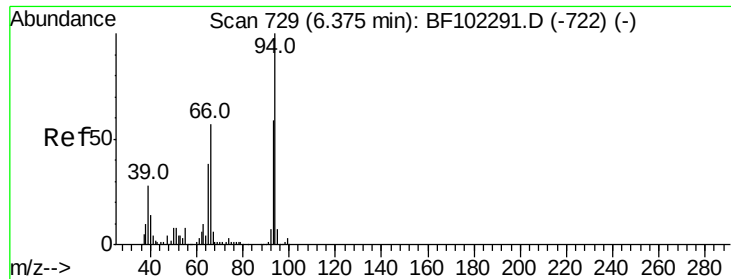
105 85.6 81.1 121.1

106 74.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.565 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampleId :

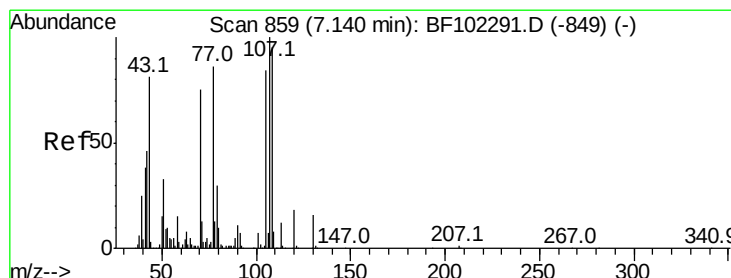
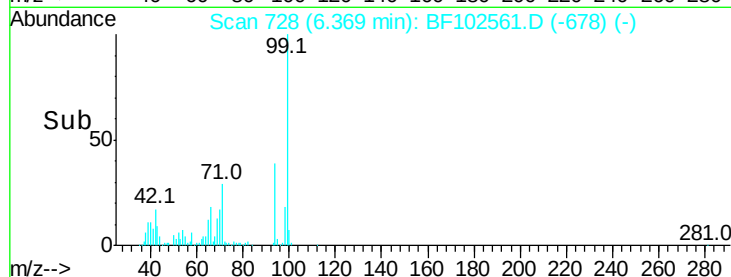
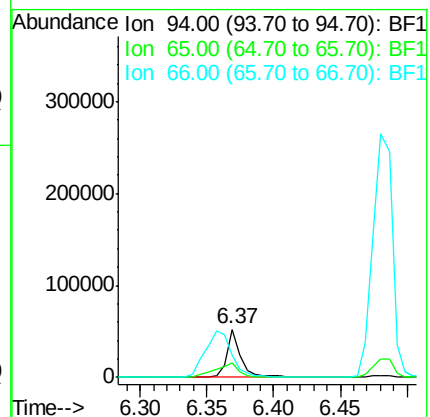
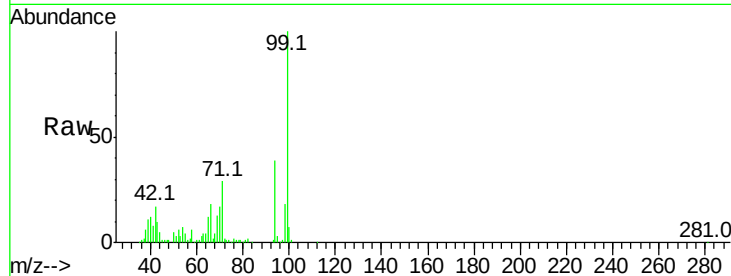
Tot Ion: 94 Resp: 38687

Ion Ratio Lower Upper

94 100

65 30.5 7.9 47.9

66 47.6 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.772 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Tgt Ion: 70 Resp: 107968

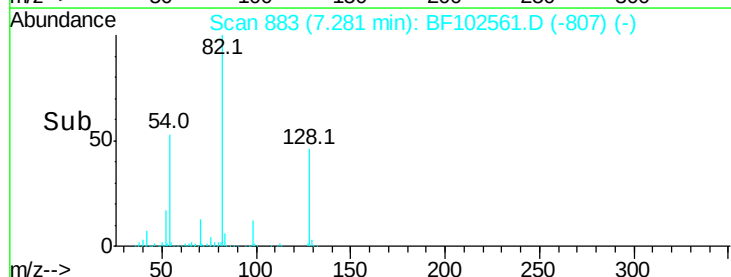
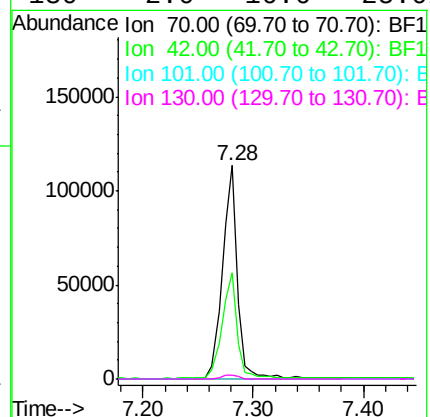
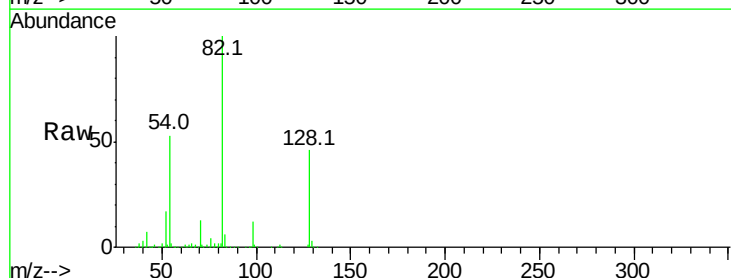
Ion Ratio Lower Upper

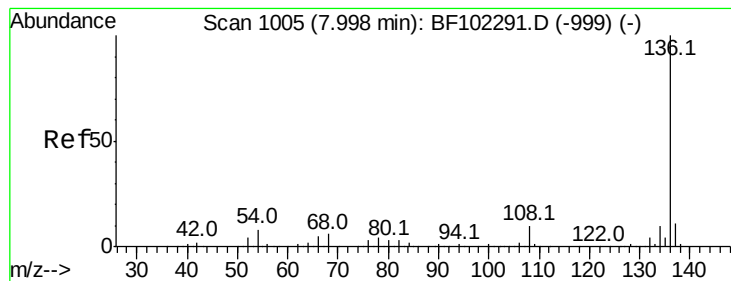
70 100

42 49.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 733603

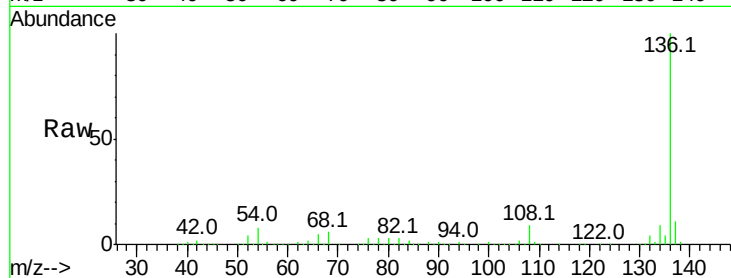
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.5 6.6 9.8

68 5.9 5.0 7.4

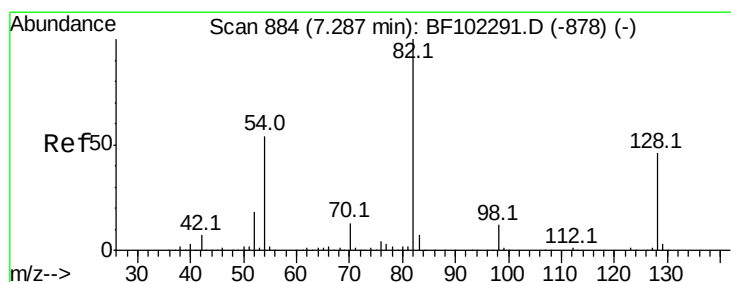
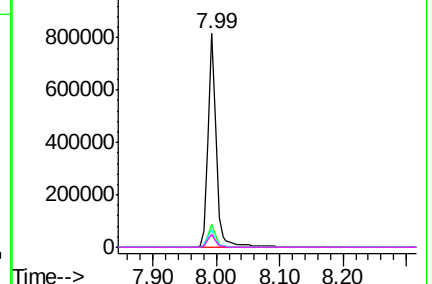
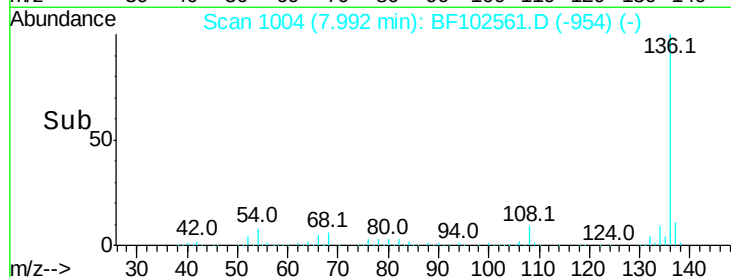


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.271 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

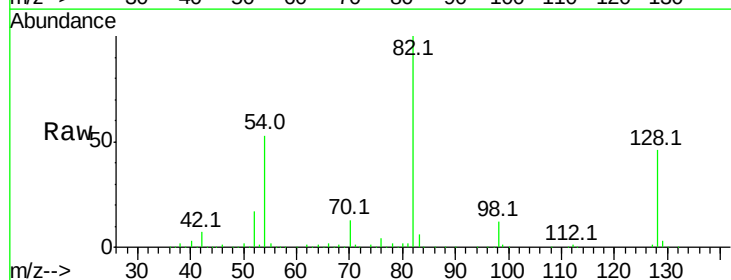
Tgt Ion: 82 Resp: 807698

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

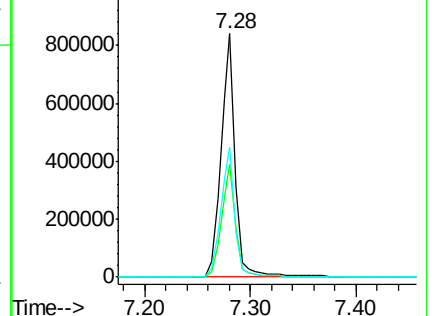
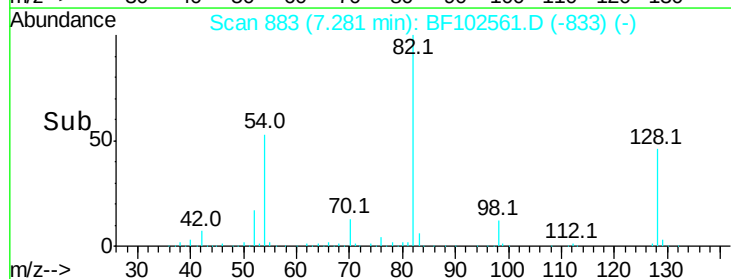
54 53.2 41.4 62.2

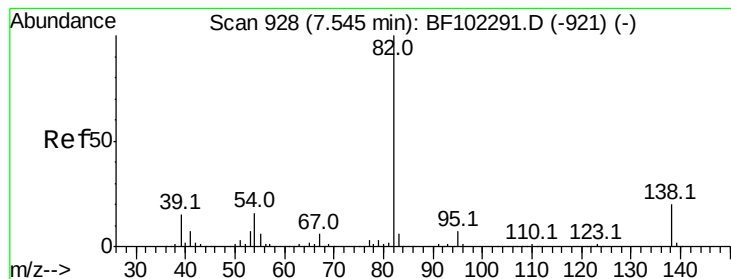


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.490 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampleId :

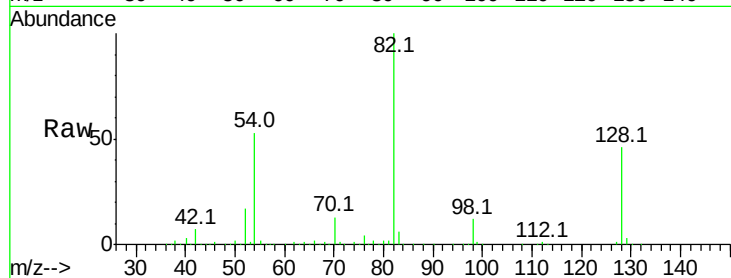
Tot Ion: 82 Resp: 807689

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

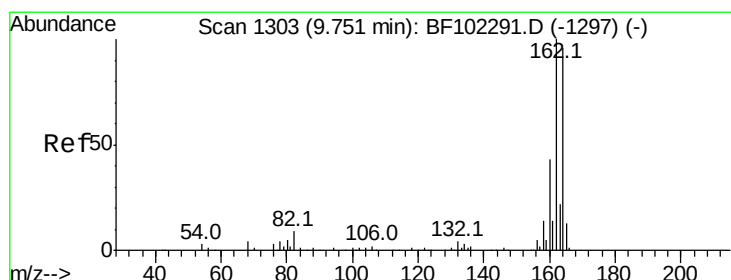
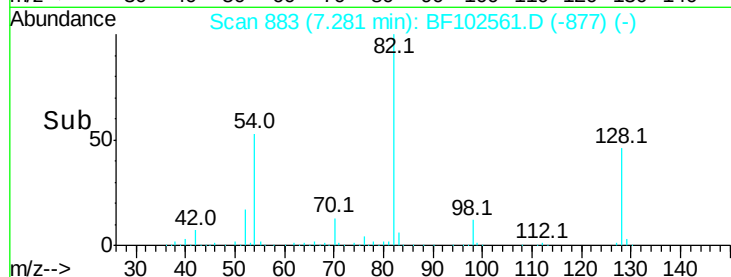
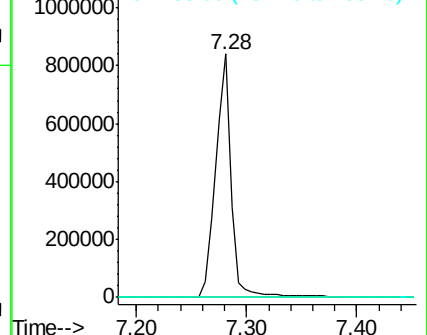
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

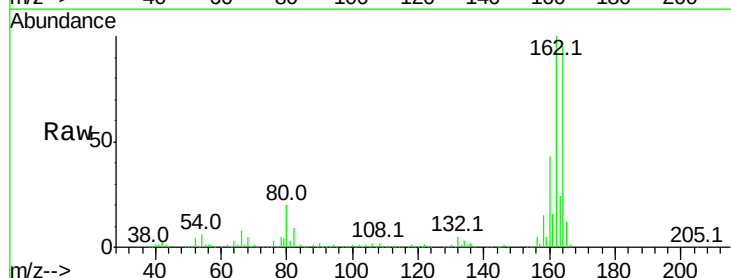
Tgt Ion:164 Resp: 309483

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

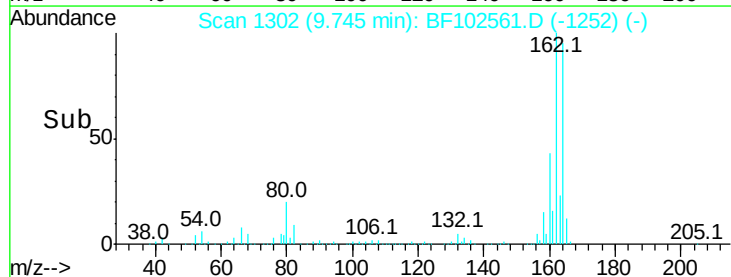
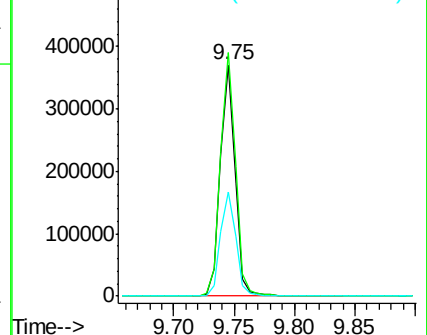
160 45.0 38.3 57.5

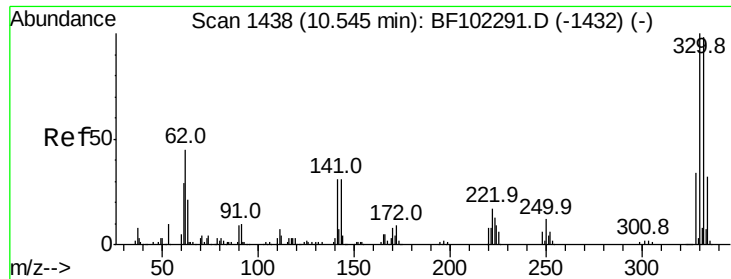


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

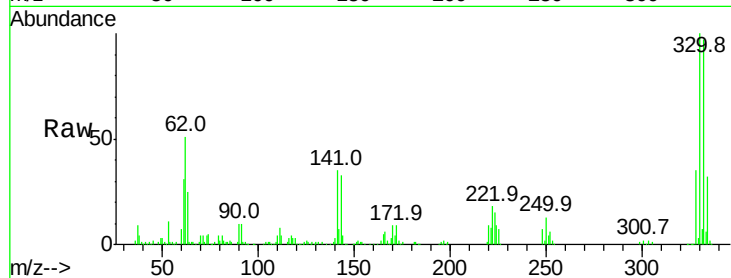




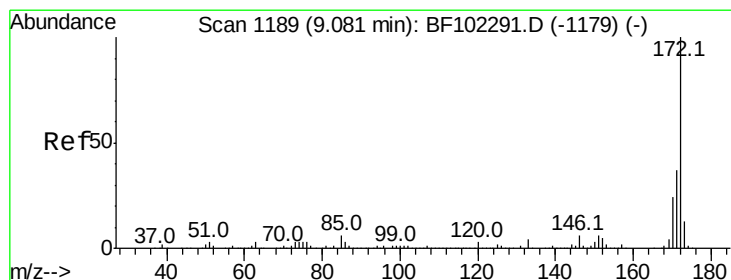
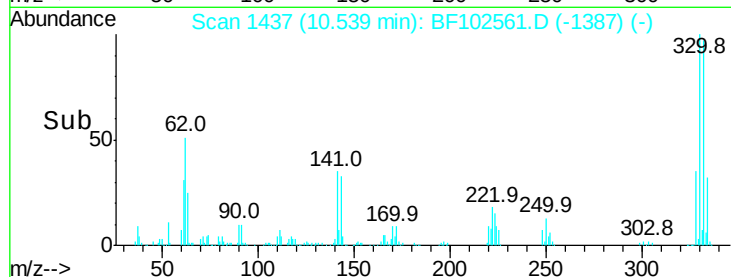
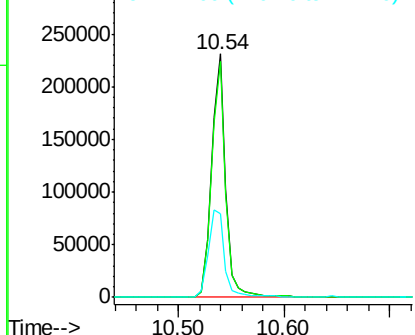
#41
 2,4,6-Tribromophenol
 Concen: 71.567 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102561.D
 Acq: 28 Jan 2018 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 219462
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 40.9 29.9 44.9

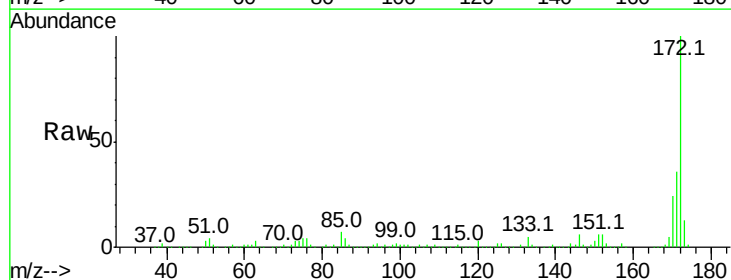


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

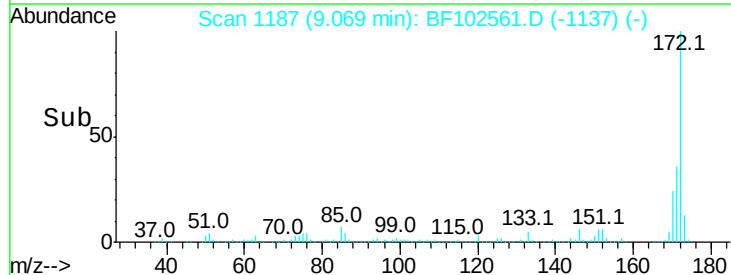
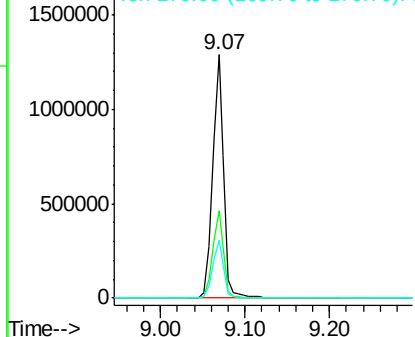


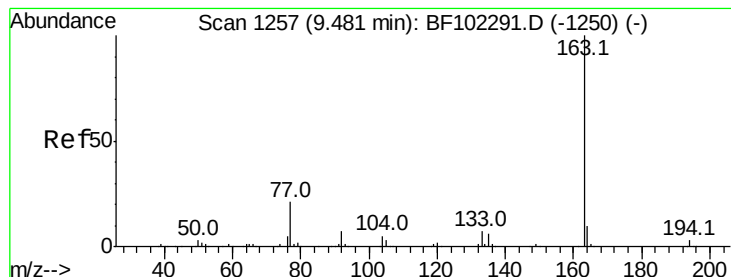
#44
 2-Fluorobiphenyl
 Concen: 57.411 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102561.D
 Acq: 28 Jan 2018 17:00

Tgt Ion:172 Resp: 1208391
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.1 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





#49

Dimethylphthalate

Concen: 4.598 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampleId :

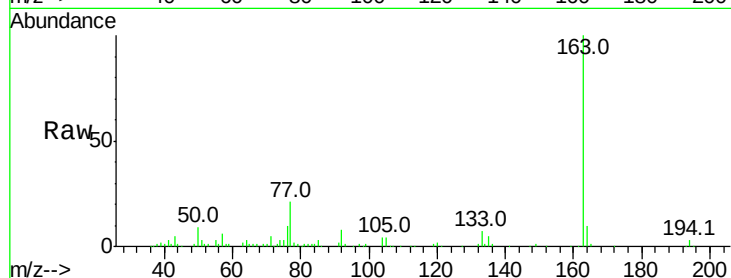
Tot Ion:163 Resp: 117612

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

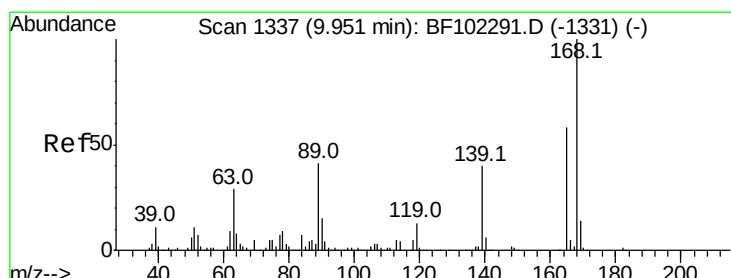
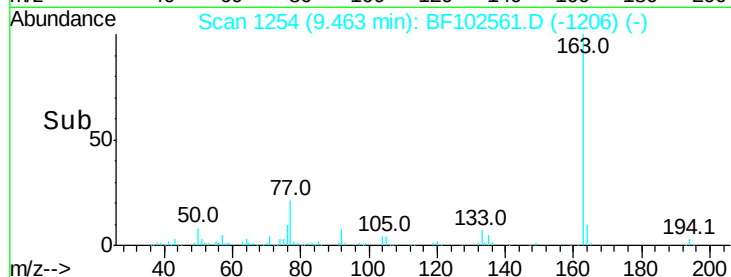
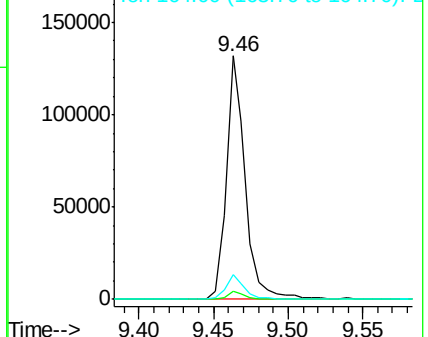
164 10.0 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.921 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Tgt Ion:165 Resp: 40159

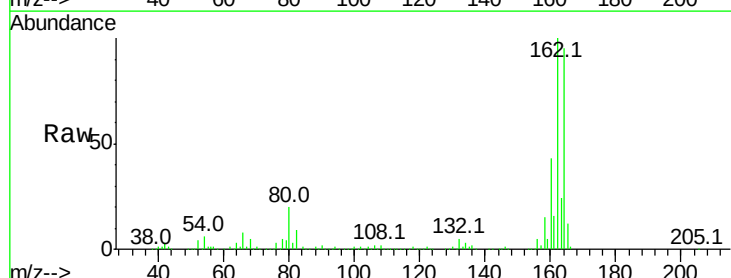
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

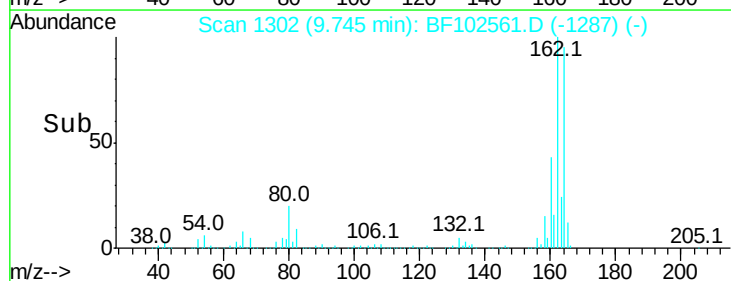
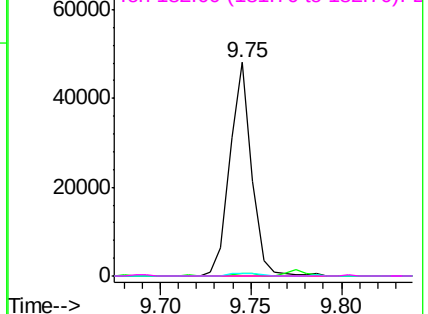


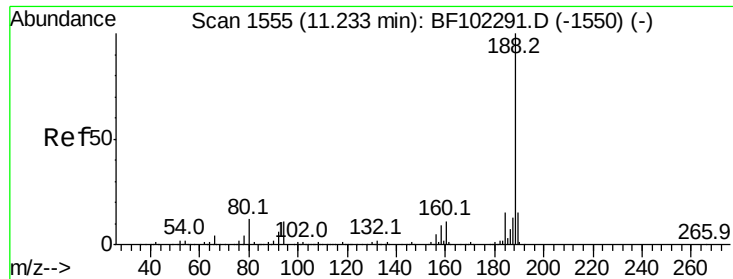
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

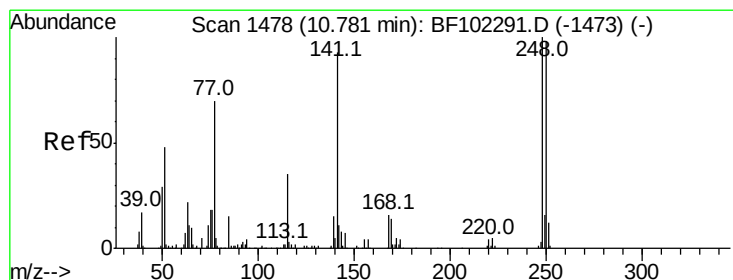
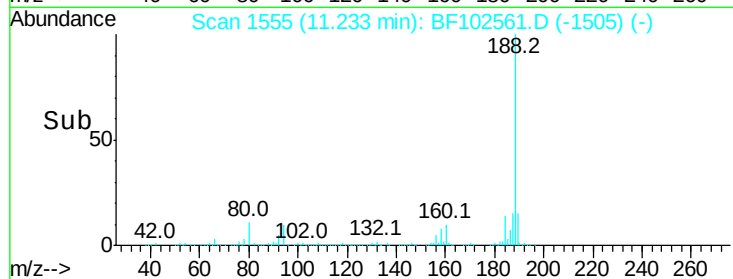
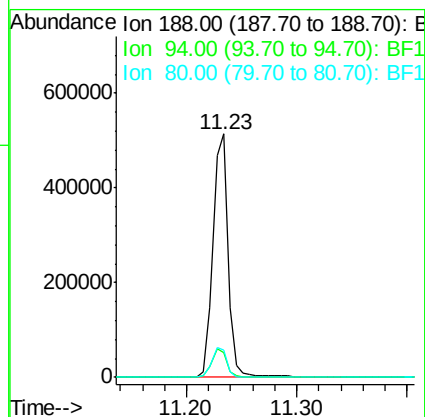
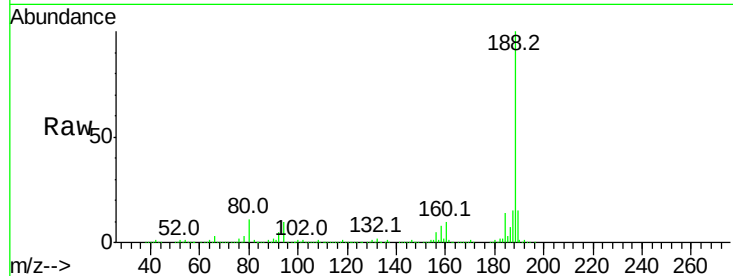




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102561.D
Acq: 28 Jan 2018 17:00

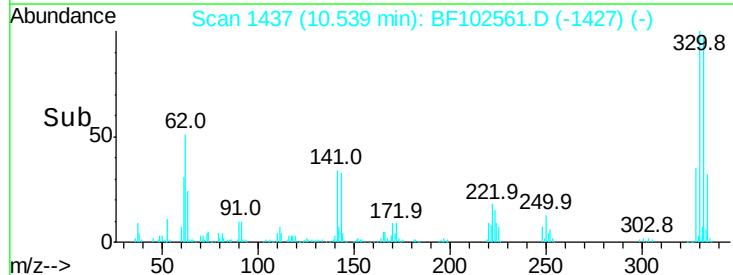
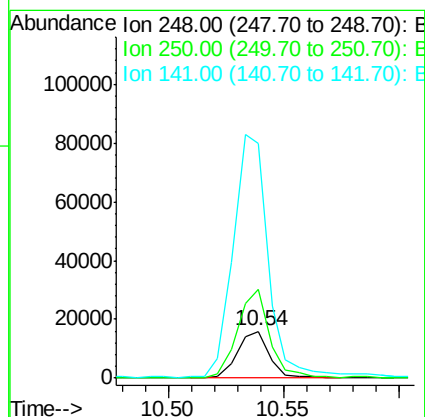
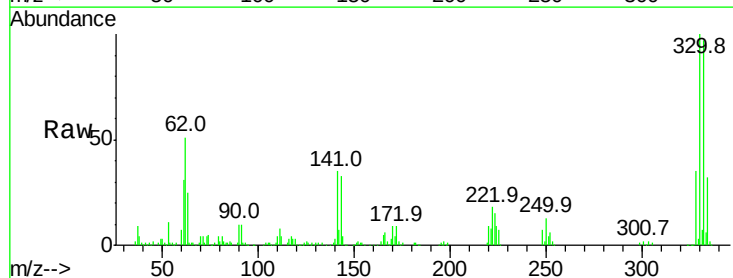
Instrument :
BNA_F
ClientSampleId :

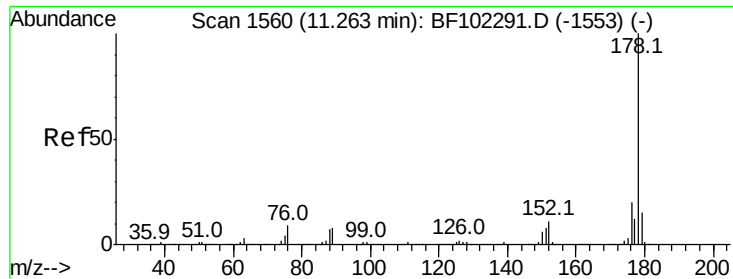
Tot Ion:188 Resp: 477353
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.0 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.016 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102561.D
Acq: 28 Jan 2018 17:00

Tgt Ion:248 Resp: 15499
Ion Ratio Lower Upper
248 100
250 189.2 76.9 115.3#
141 500.0 74.4 111.6#





#70

Phenanthrene

Concen: 7.668 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampled :

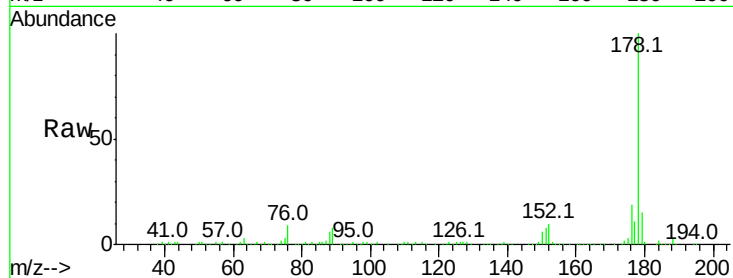
Tot Ion:178 Resp: 213293

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

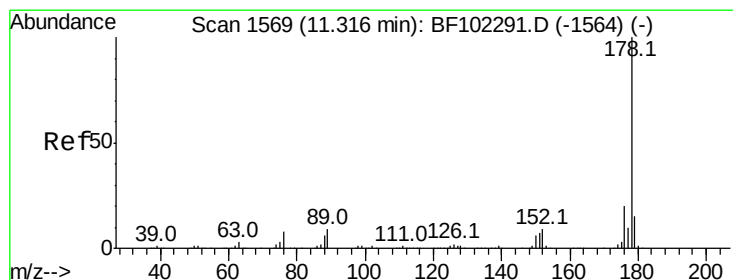
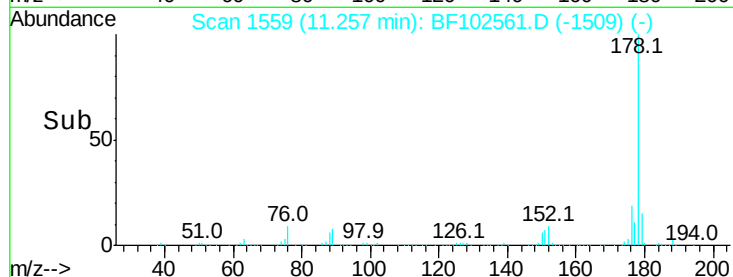
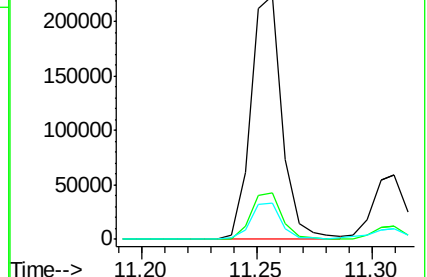
179 14.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.246 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

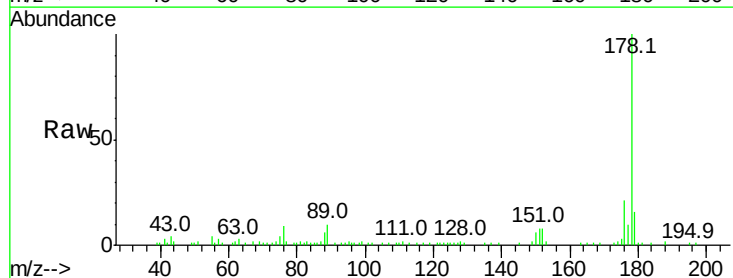
Tgt Ion:178 Resp: 63769

Ion Ratio Lower Upper

178 100

176 20.7 15.4 23.2

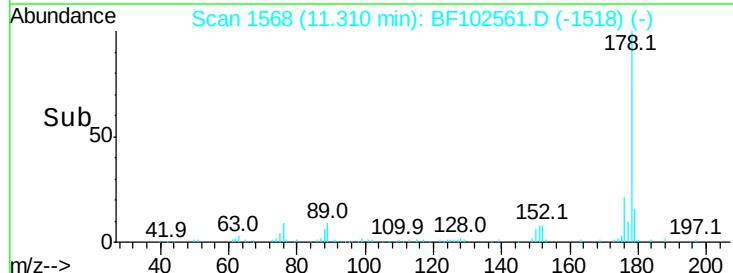
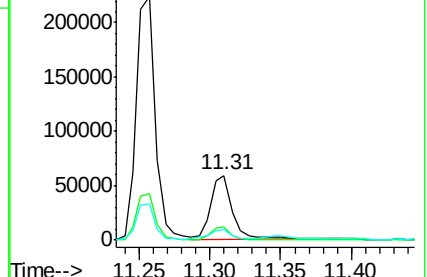
179 16.0 12.6 19.0

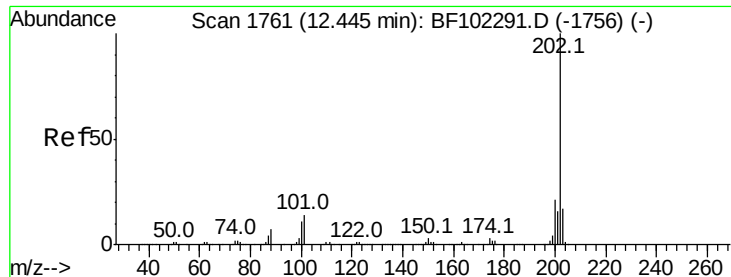


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.590 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampled :

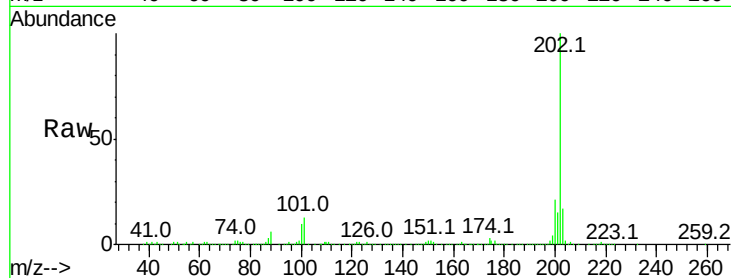
Tot Ion:202 Resp: 385489

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

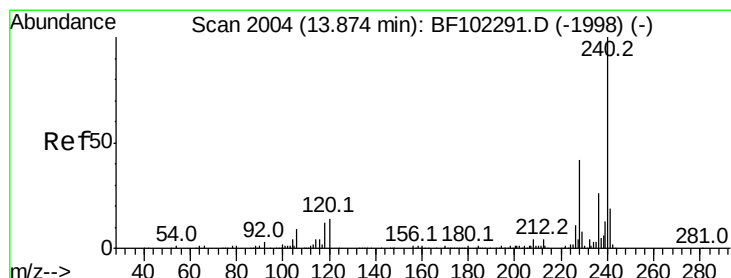
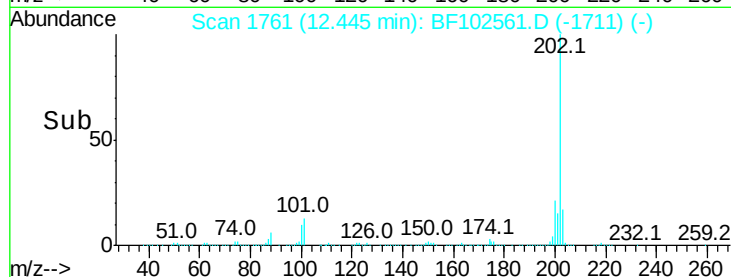
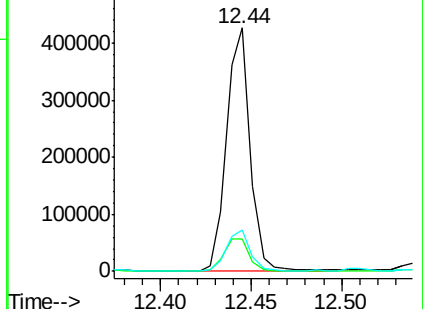
203 17.1 0.0 38.1



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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

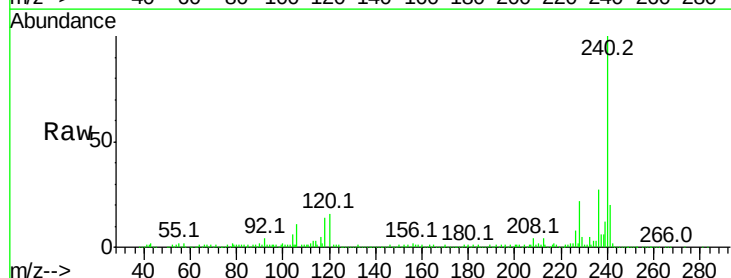
Tgt Ion:240 Resp: 315593

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

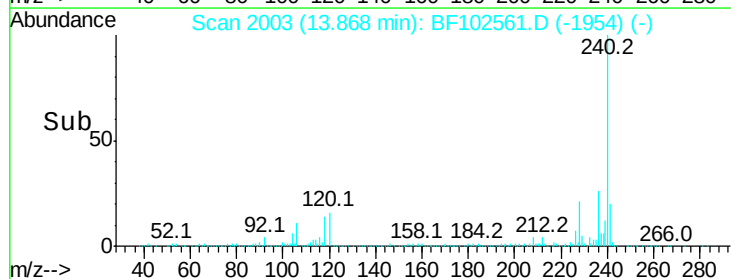
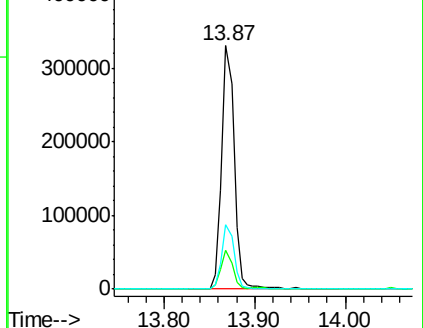
236 26.5 20.7 31.1

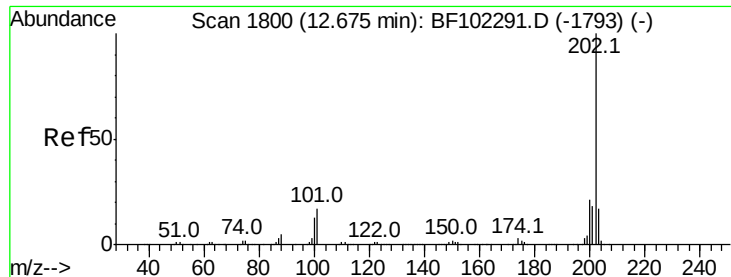


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 15.090 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampleId :

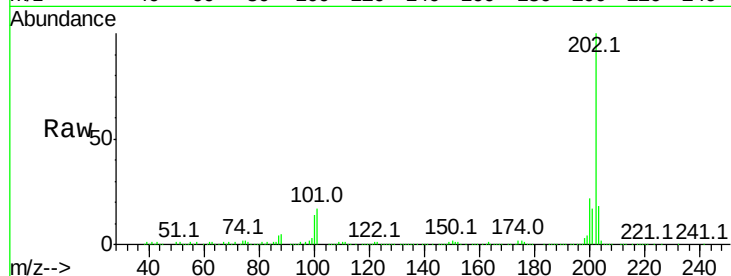
Tot Ion:202 Resp: 368201

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

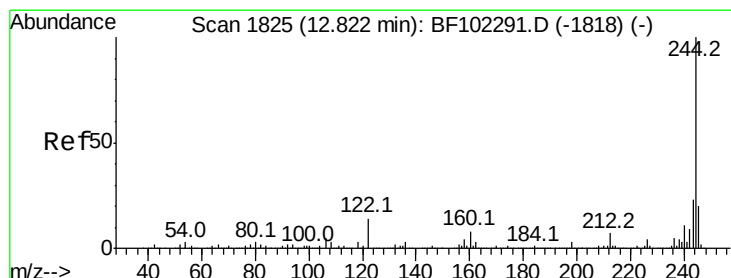
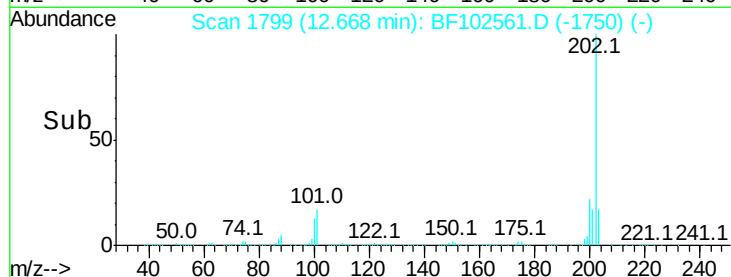
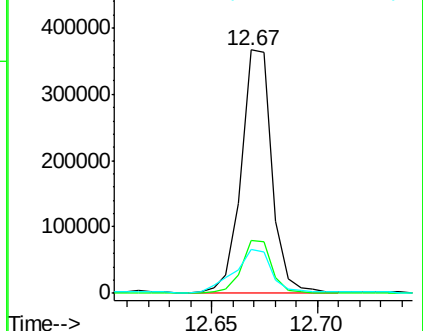
203 18.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 58.852 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

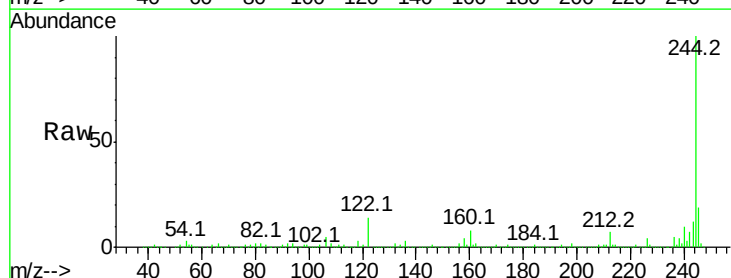
Tgt Ion:244 Resp: 823885

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

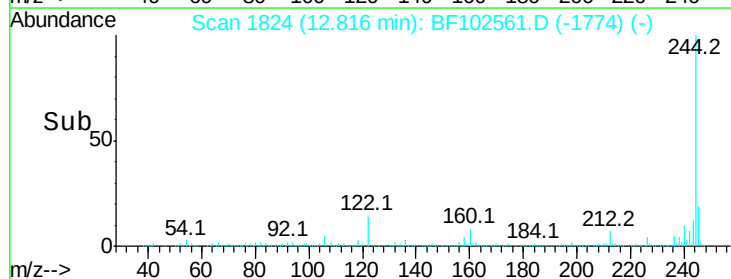
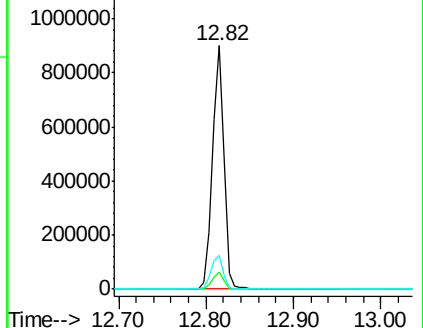
122 13.9 11.0 16.4

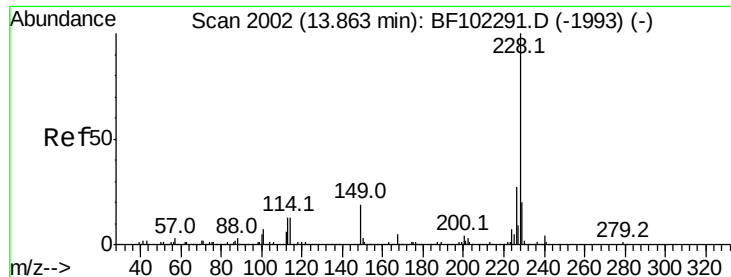


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.440 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampled :

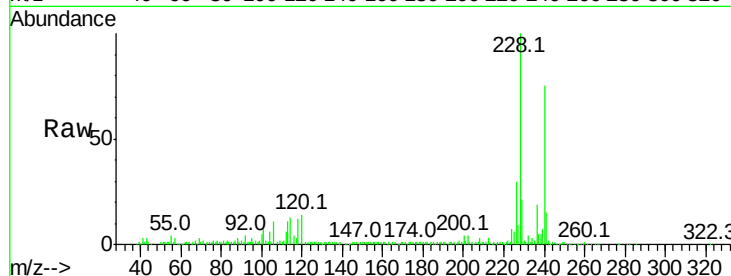
Tot Ion:228 Resp: 183421

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

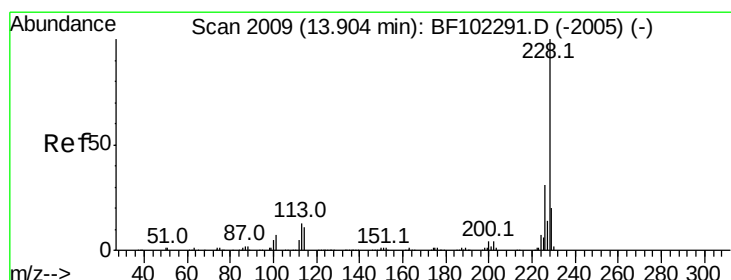
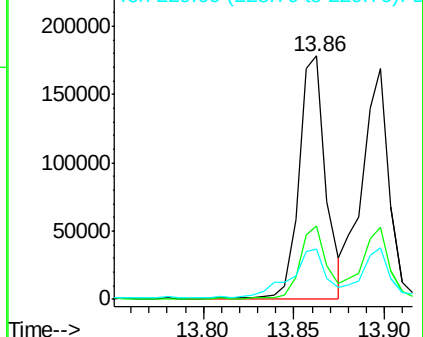
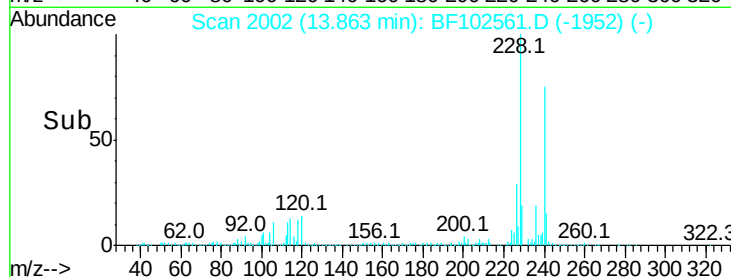
229 20.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 9.008 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

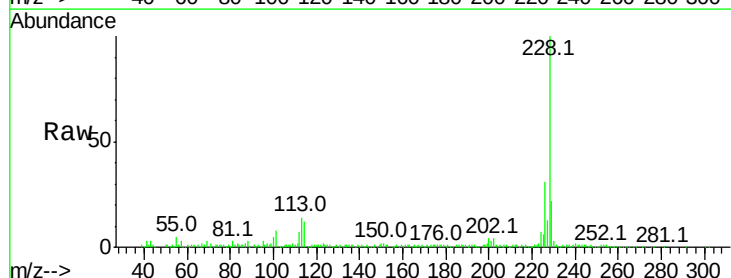
Tgt Ion:228 Resp: 177737

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

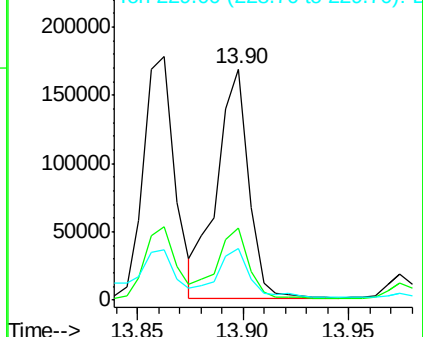
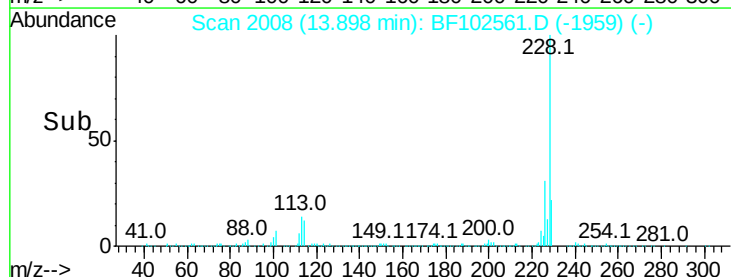
229 22.5 16.2 24.4

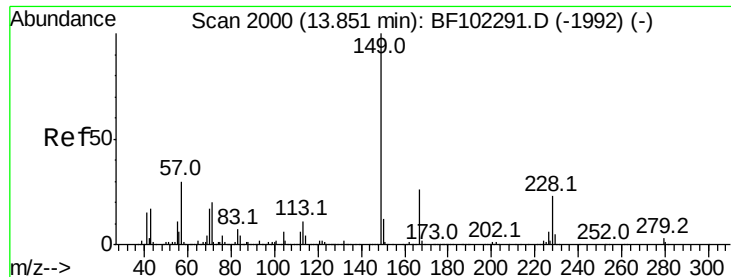


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.055 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampleId :

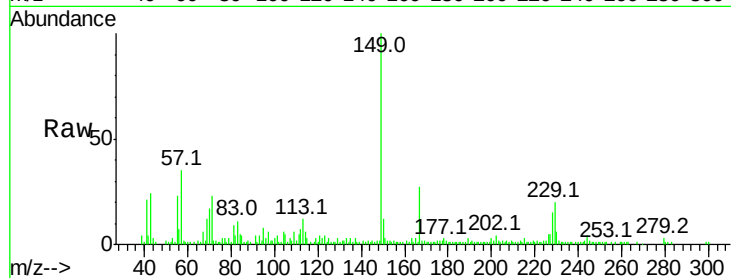
Tot Ion:149 Resp: 49849

Ion Ratio Lower Upper

149 100

167 26.7 21.3 31.9

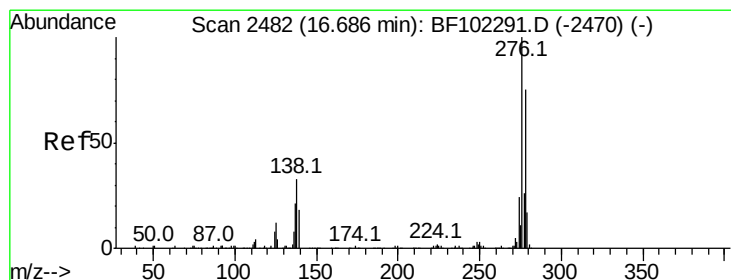
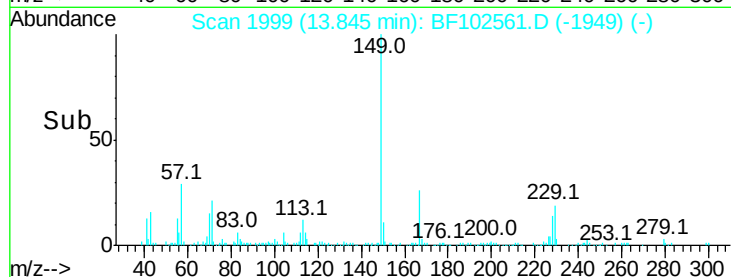
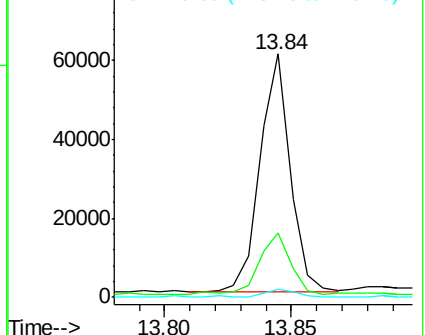
279 3.1 3.0 4.4



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: 6.131 ng

RT: 16.70 min Scan# 2484

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

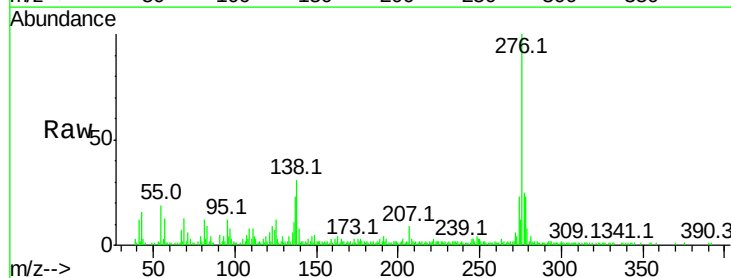
Tgt Ion:276 Resp: 99904

Ion Ratio Lower Upper

276 100

138 31.7 25.0 37.6

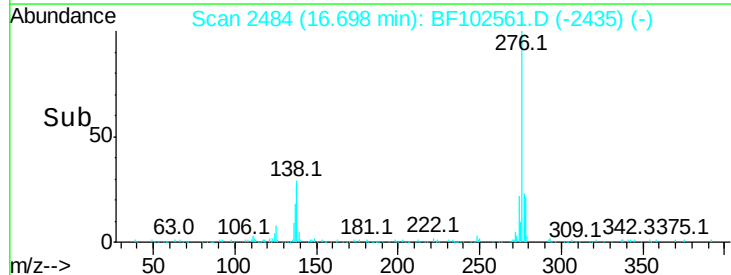
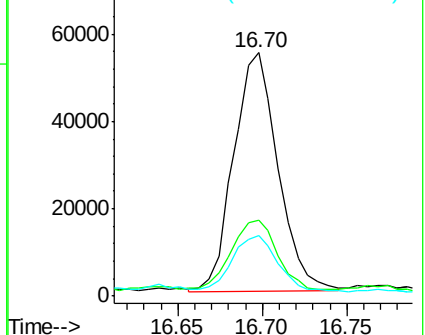
277 24.5 20.1 30.1

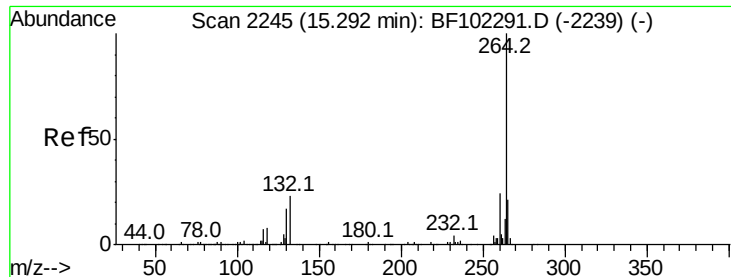


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

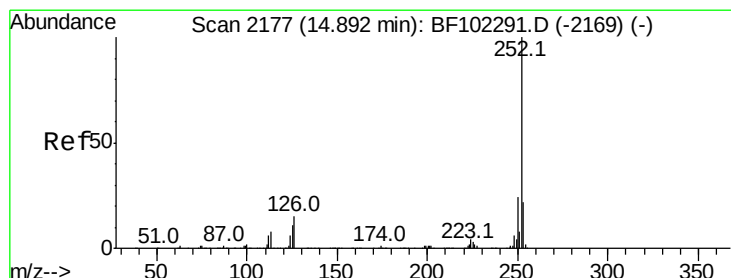
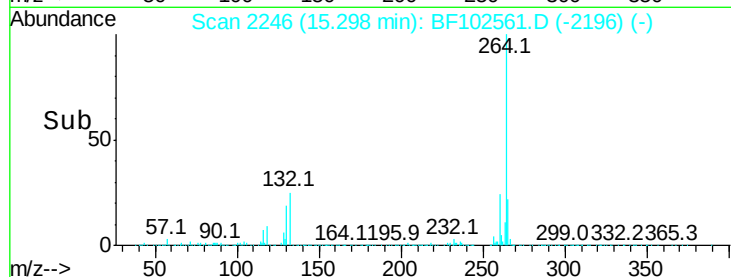
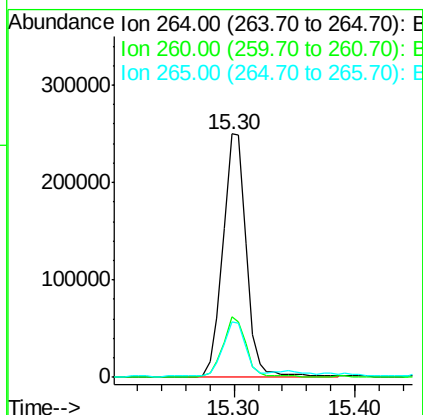
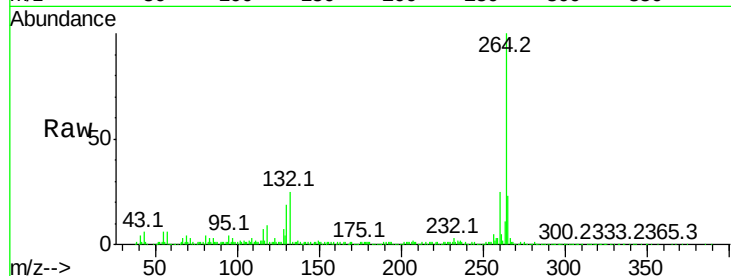




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF102561.D
Acq: 28 Jan 2018 17:00

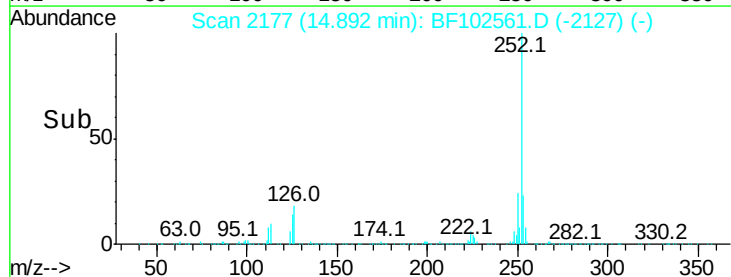
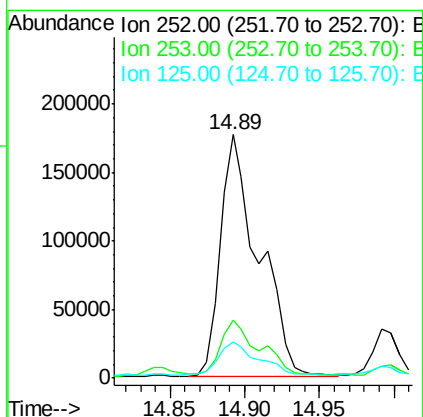
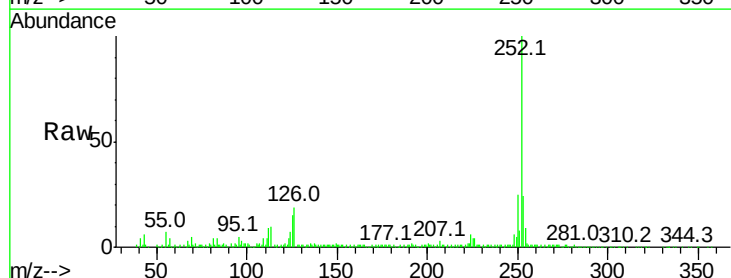
Instrument :
BNA_F
ClientSampleId :

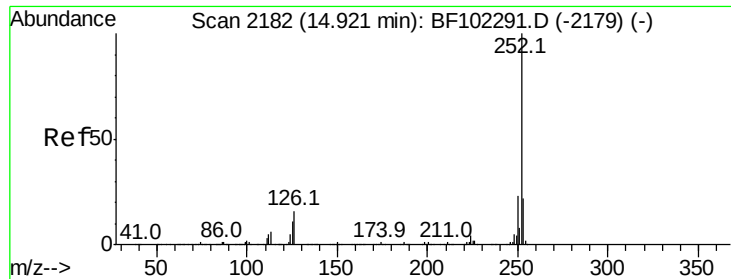
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 14.599 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF102561.D
Acq: 28 Jan 2018 17:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	15.1	9.0	13.6

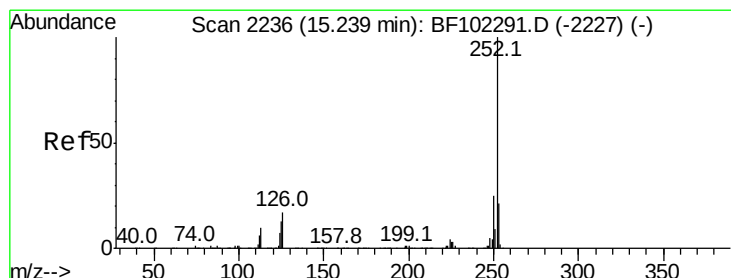
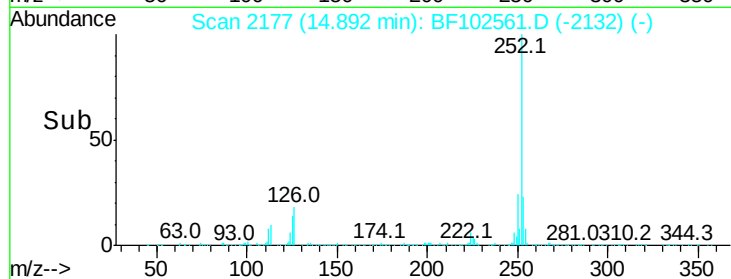
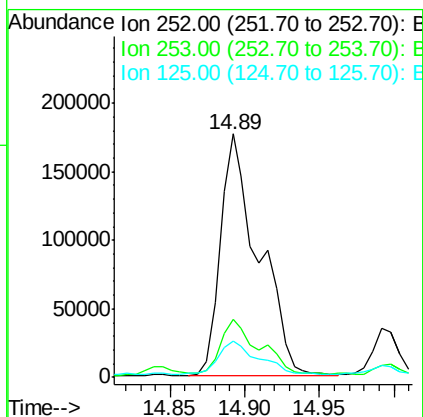
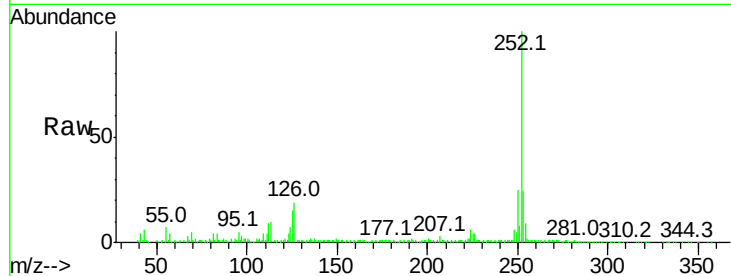




#88
Benzo(k)fluoranthene
Concen: 15.452 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.04 min
Lab File: BF102561.D
Acq: 28 Jan 2018 17:00

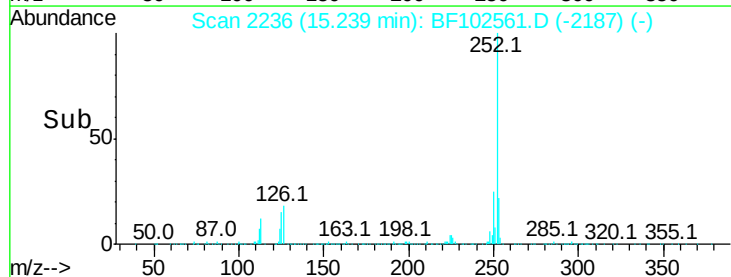
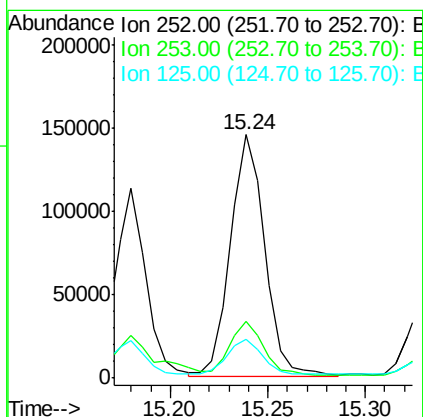
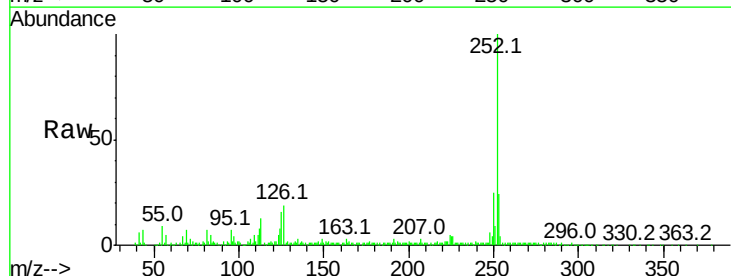
Instrument :
BNA_F
ClientSampleId :

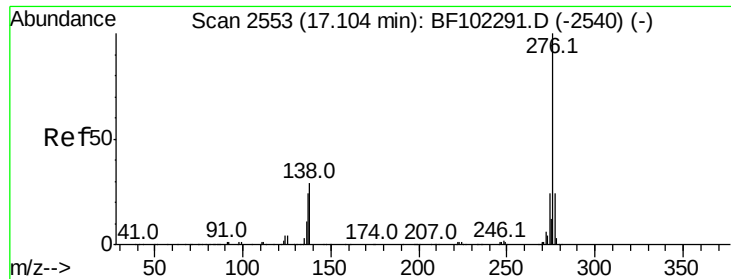
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	15.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 9.028 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF102561.D
Acq: 28 Jan 2018 17:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.1	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 6.090 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF102561.D

Acq: 28 Jan 2018 17:00

Instrument :

BNA_F

ClientSampleId :

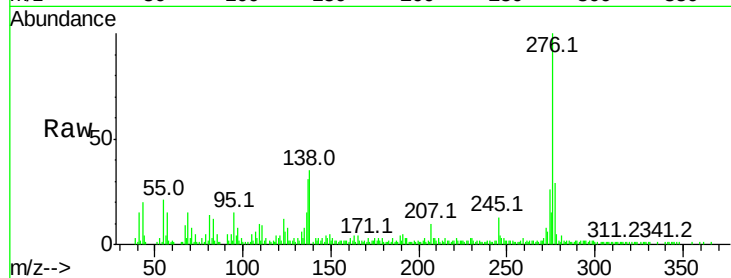
Tot Ion:276 Resp: 94933

Ion Ratio Lower Upper

276 100

277 28.5 17.9 26.9#

138 35.2 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

