

Data Path : \\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF012518\
 Data File : BF102460.D
 Acq On : 26 Jan 2018 9:15
 Operator : SJ/JU
 Sample : J1256-05DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW0-4)DL

Quant Time: Jan 26 11:42:47 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	129781	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	483569	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	185203	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	284423	20.00	ng	0.00
75) Chrysene-d12	13.89	240	224839	20.00	ng	0.00
86) Perylene-d12	15.32	264	178905	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	171177	20.00	ng	0.00
7) Phenol-d6	6.36	99	200977	19.48	ng	-0.01
23) Nitrobenzene-d5	7.28	82	116690	13.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	29029	15.82	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	218241	17.33	ng	0.00
78) Terphenyl-d14	12.82	244	163300	16.37	ng	0.00

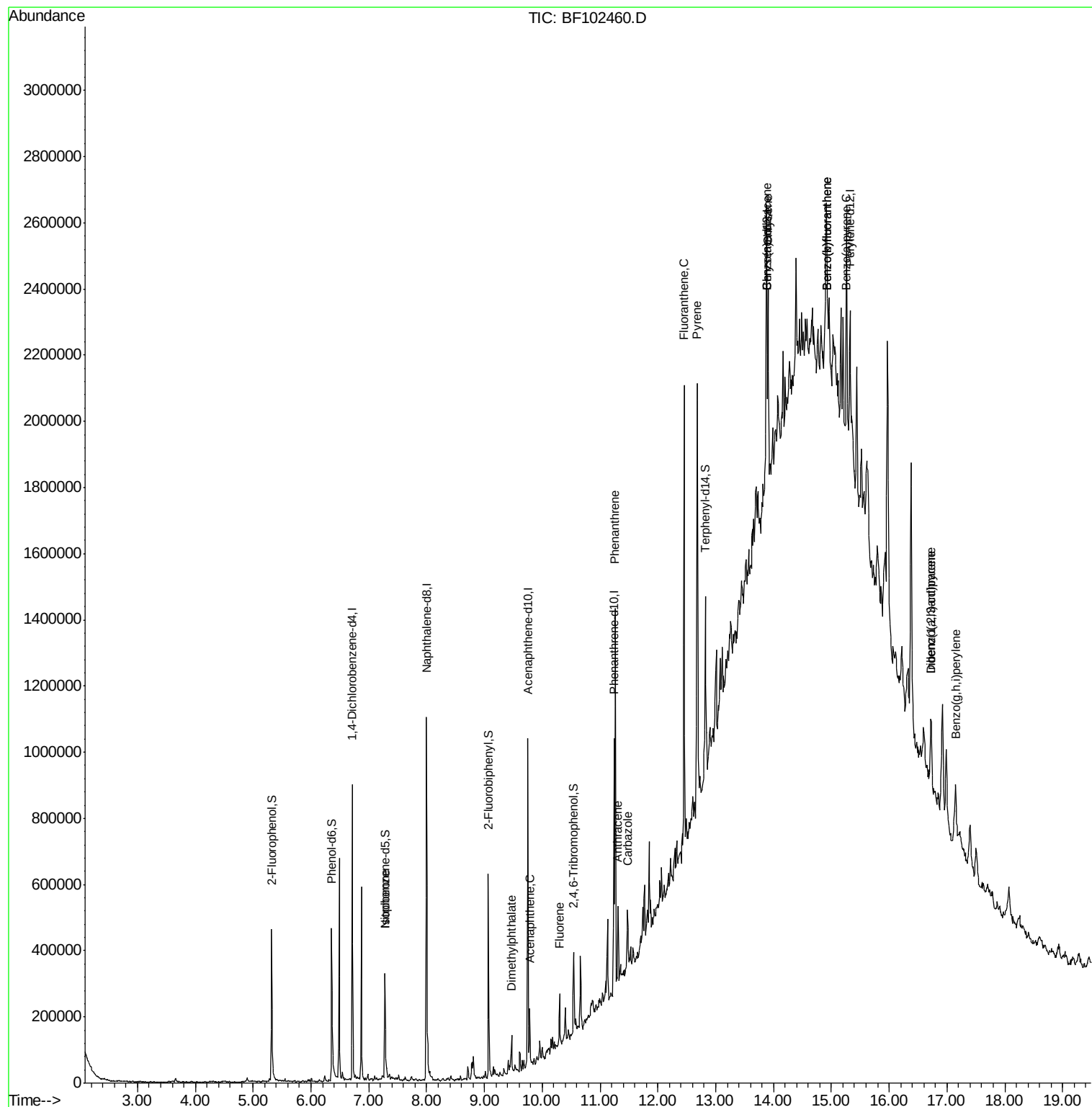
Target Compounds				Qvalue		
25) Isophorone	7.28	82	116688	7.778	ng	# 65
49) Dimethylphthalate	9.47	163	32349	2.113	ng	98
51) Acenaphthene	9.78	154	30772	2.627	ng	98
57) Fluorene	10.30	166	39742	3.164	ng	93
70) Phenanthrene	11.26	178	410755	24.783	ng	98
71) Anthracene	11.31	178	103821	6.137	ng	97
72) Carbazole	11.47	167	54572	3.307	ng	98
74) Fluoranthene	12.46	202	646390	38.245	ng	97
77) Pyrene	12.68	202	612270	35.221	ng	99
80) Benzo(a)anthracene	13.87	228	269652	19.480	ng	97
82) Chrysene	13.91	228	285591	20.317	ng	96
85) Indeno(1,2,3-cd)pyrene	16.72	276	138395	11.921	ng	96
87) Benzo(b)fluoranthene	14.92	252	426688	36.797	ng	# 83
88) Benzo(k)fluoranthene	14.92	252	426688	38.948	ng	# 86
89) Benzo(a)pyrene	15.26	252	211005	20.176	ng	# 83
90) Dibenzo(a,h)anthracene	16.72	278	30712	3.625	ng	# 55
91) Benzo(g,h,i)perylene	17.15	276	141743	16.945	ng	94

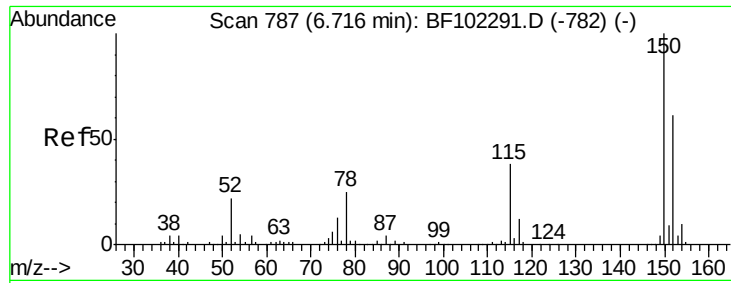
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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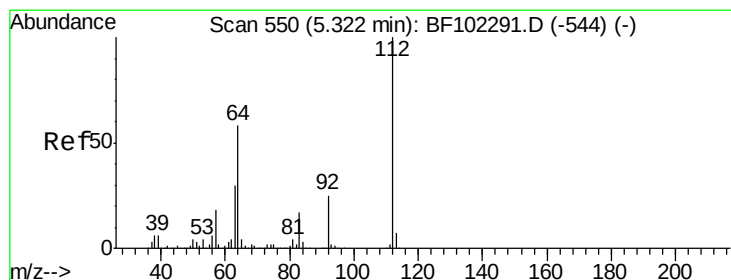
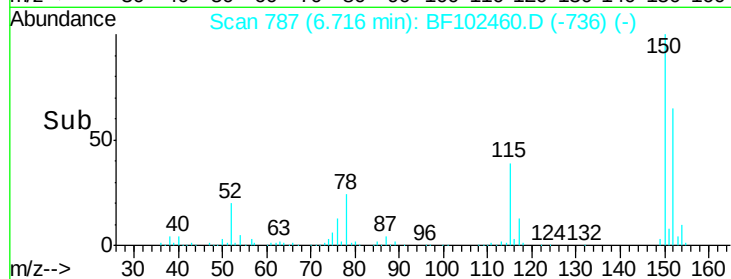
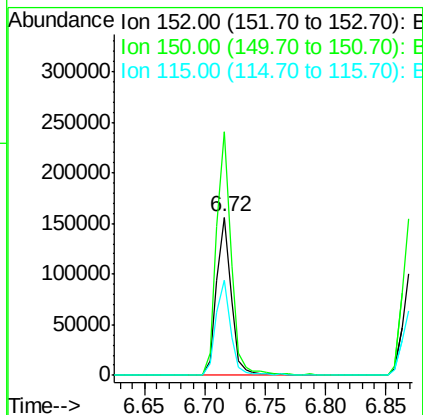
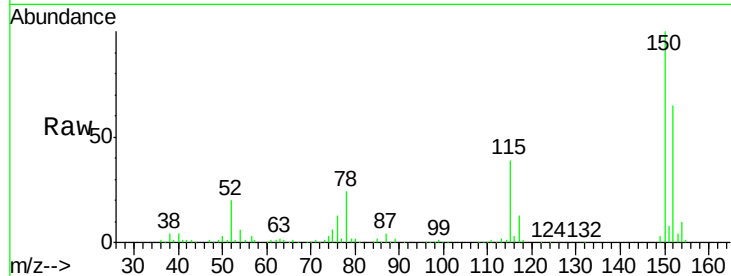


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW0-4)DL

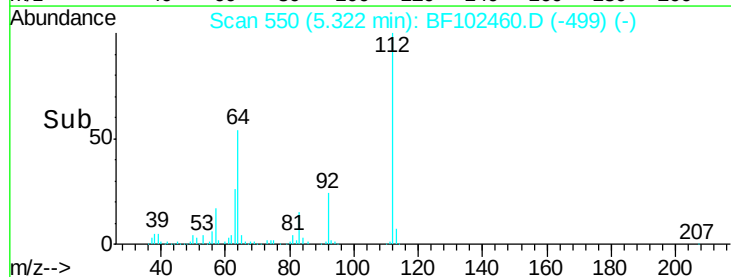
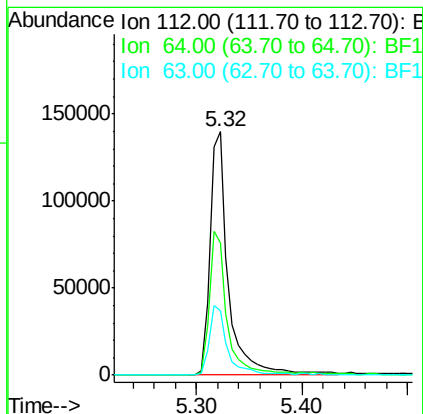
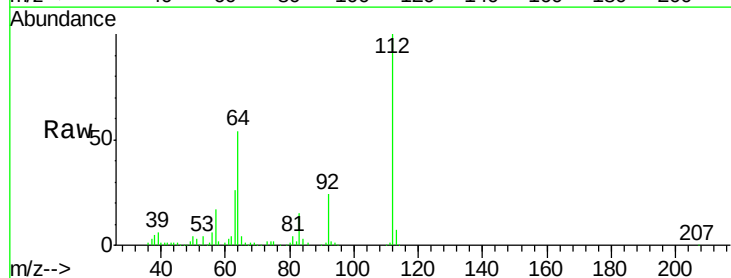
Tgt Ion:152 Resp: 129781
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 60.1 50.1 75.1

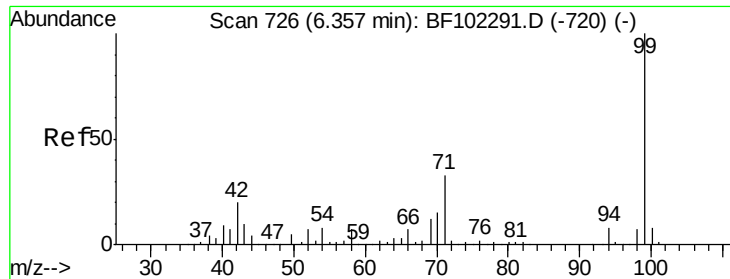


#5

2-Fluorophenol
Concen: 19.999 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Tgt Ion:112 Resp: 171177
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 26.4 23.7 35.5





#7

Phenol-d6

Concen: 19.476 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL

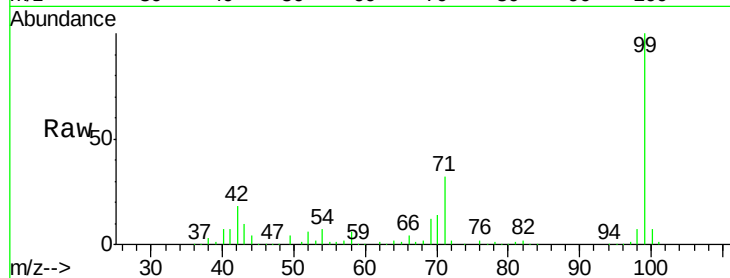
Tgt Ion: 99 Resp: 200977

Ion Ratio Lower Upper

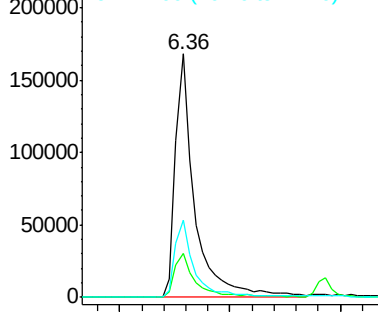
99 100

42 17.9 14.5 21.7

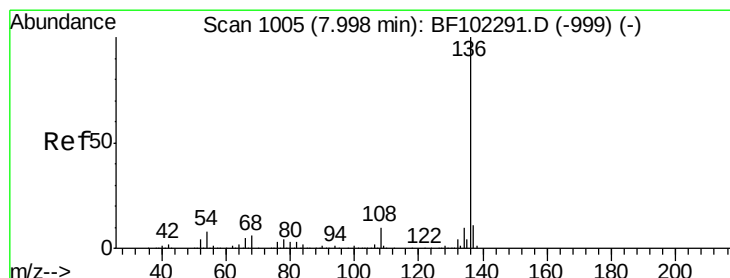
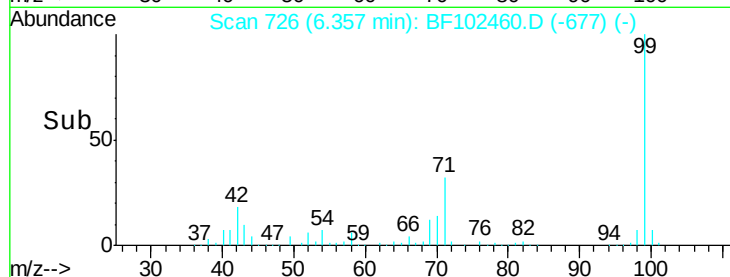
71 31.5 25.4 38.0



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



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Tgt Ion: 136 Resp: 483569

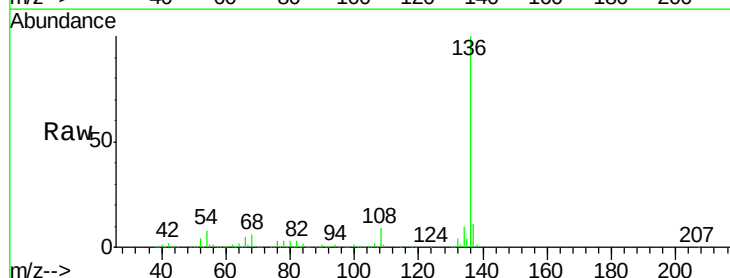
Ion Ratio Lower Upper

136 100

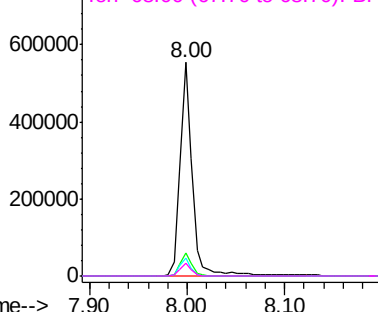
137 10.7 8.9 13.3

54 8.2 6.6 9.8

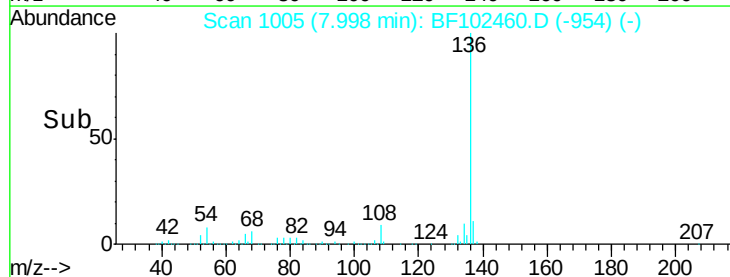
68 5.7 5.0 7.4

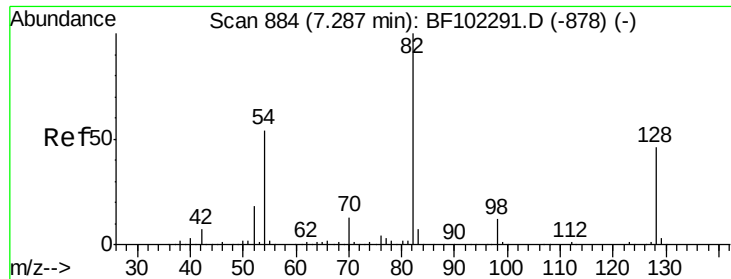


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



Time-->

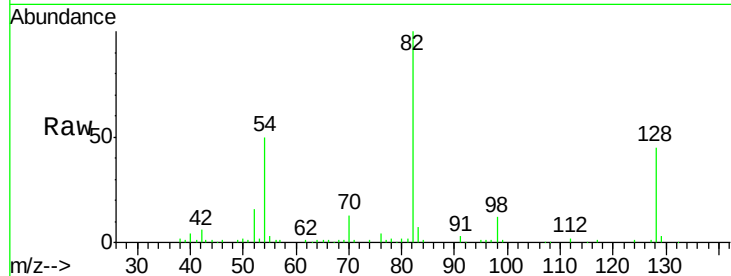




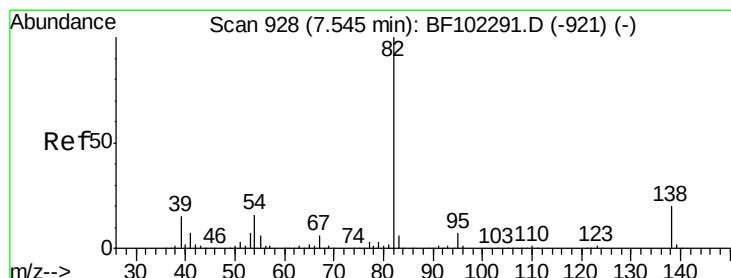
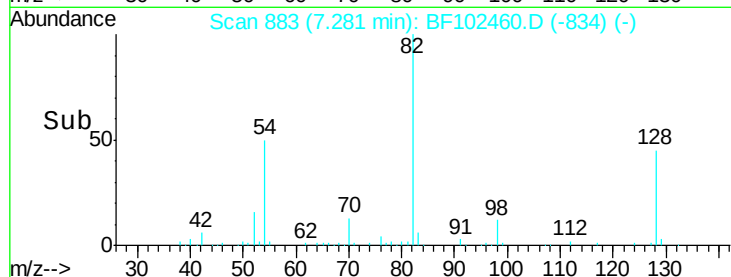
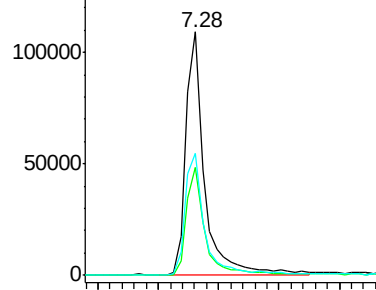
#23
 Nitrobenzene-d5
 Concen: 13.867 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW0-4)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	49.9	41.4	62.2

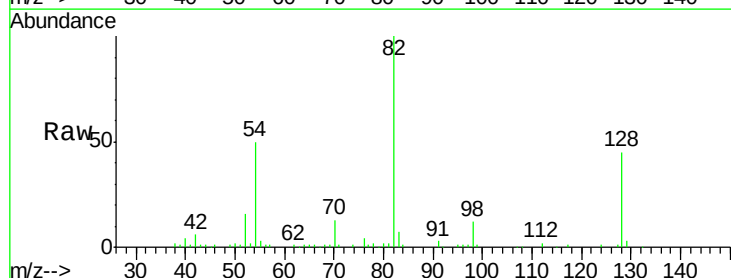


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

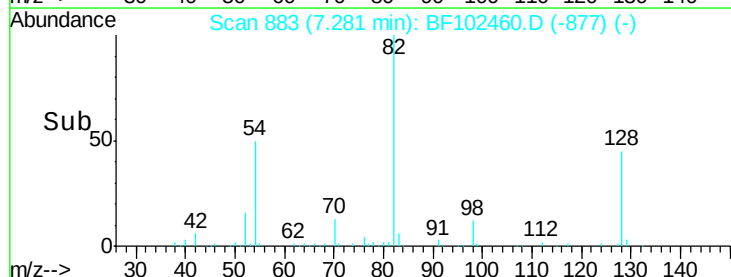
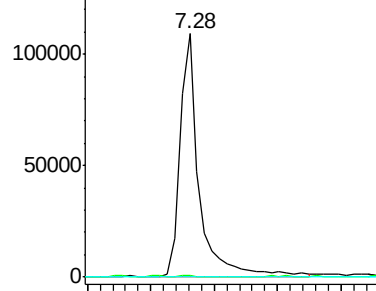


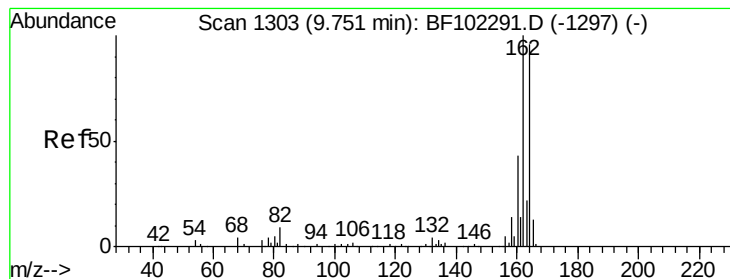
#25
 Isophorone
 Concen: 7.778 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.5	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: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL

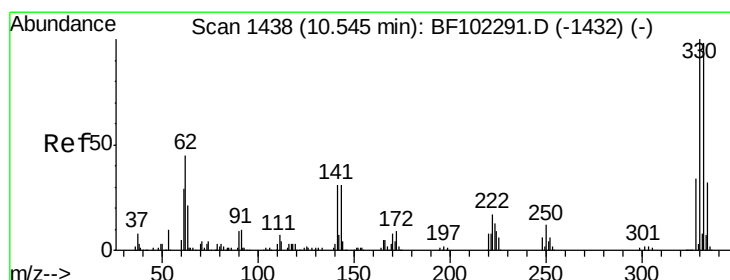
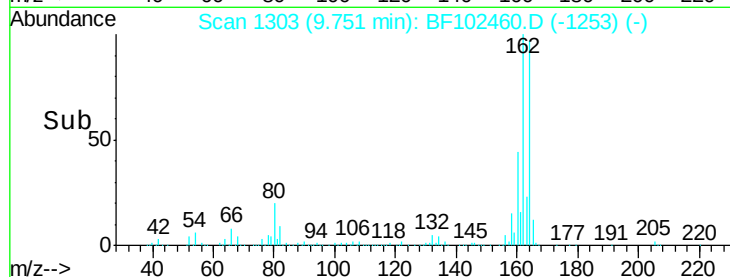
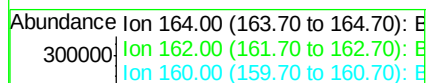
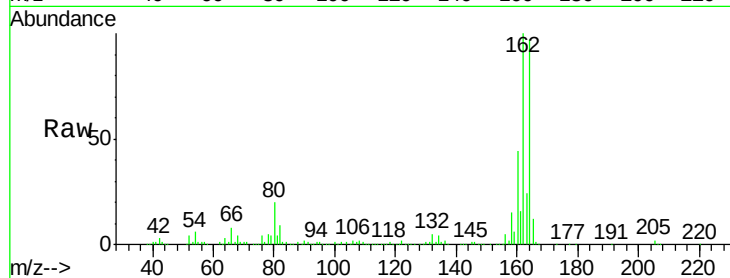
Tgt Ion:164 Resp: 185203

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

160 45.5 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 15.819 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

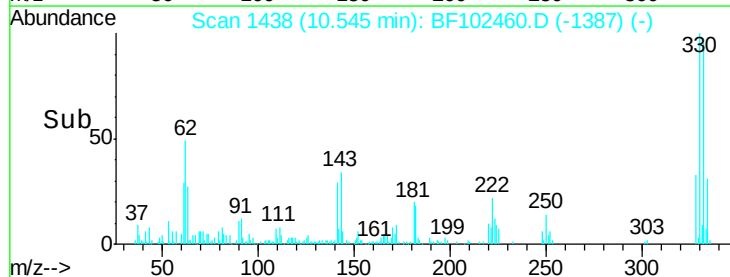
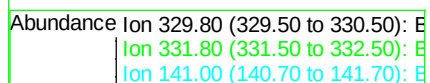
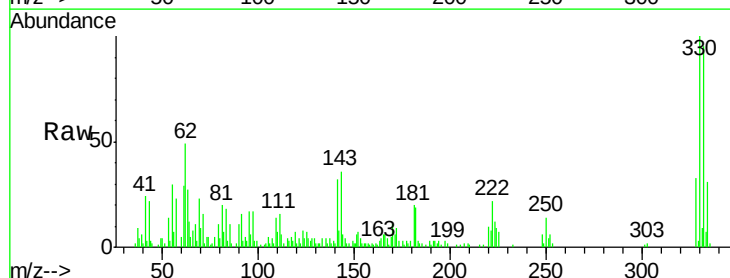
Tgt Ion:330 Resp: 29029

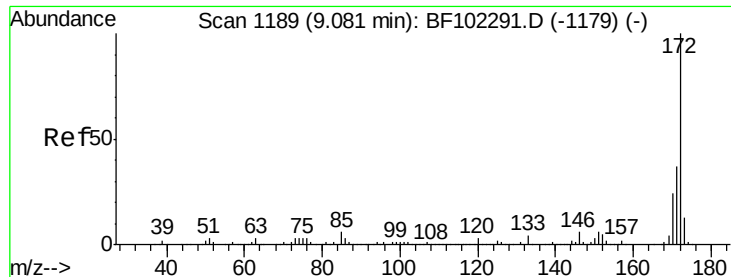
Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

141 40.0 29.9 44.9

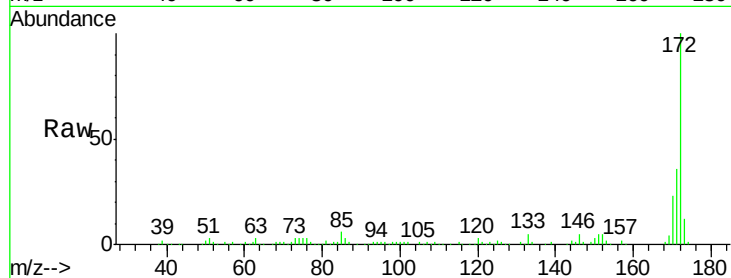




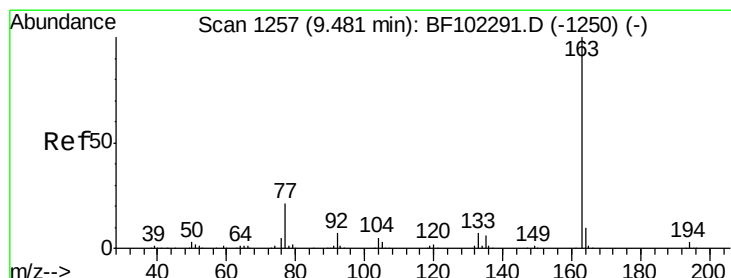
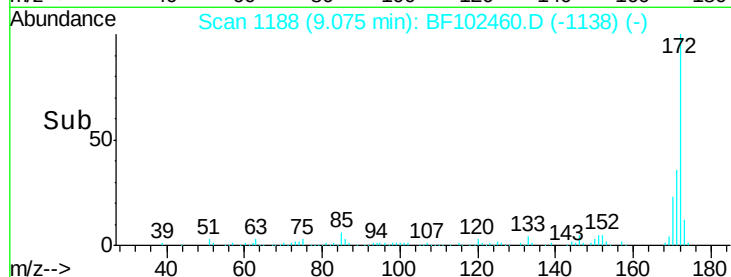
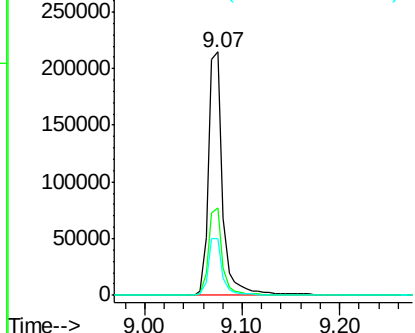
#44
 2-Fluorobiphenyl
 Concen: 17.326 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW0-4)DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.4	19.6	29.4

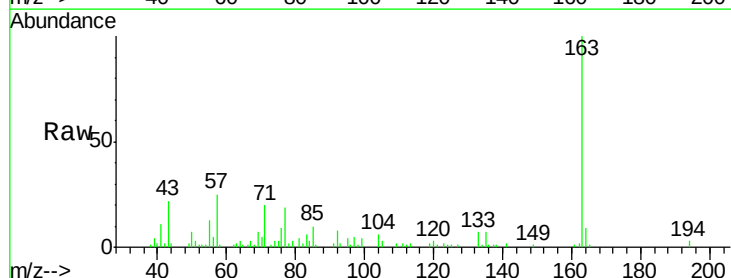


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

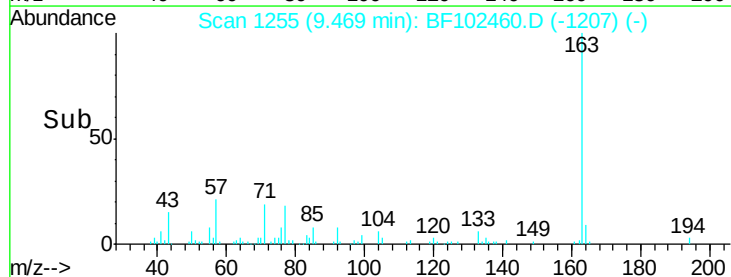
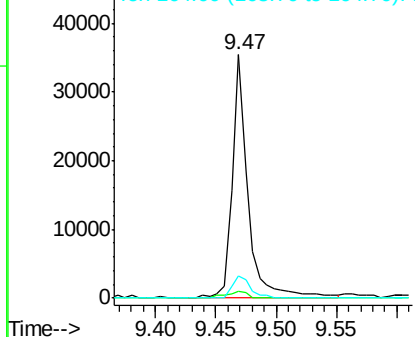


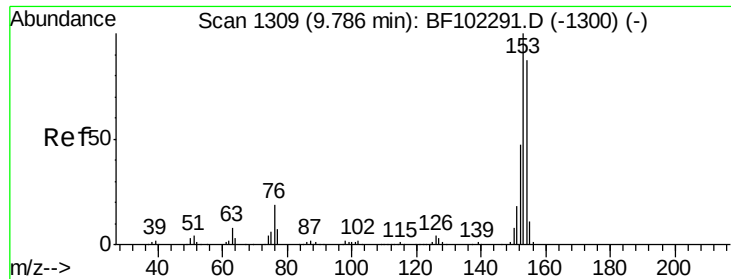
#49
 Dimethylphthalate
 Concen: 2.113 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.02 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.7	4.1
164	9.3	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





#51

Acenaphthene

Concen: 2.627 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL

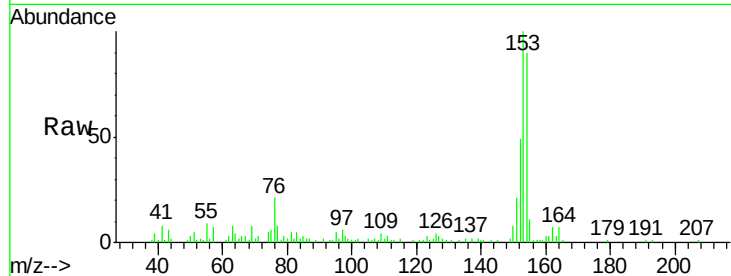
Tgt Ion:154 Resp: 30772

Ion Ratio Lower Upper

154 100

153 110.7 91.2 136.8

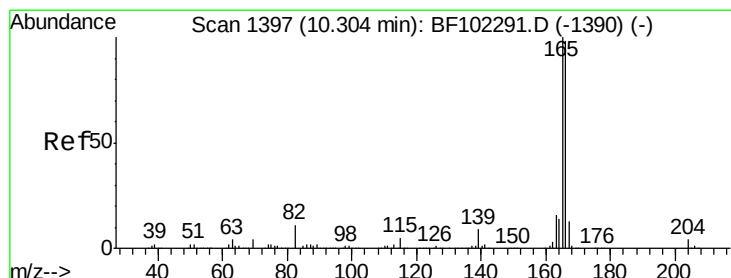
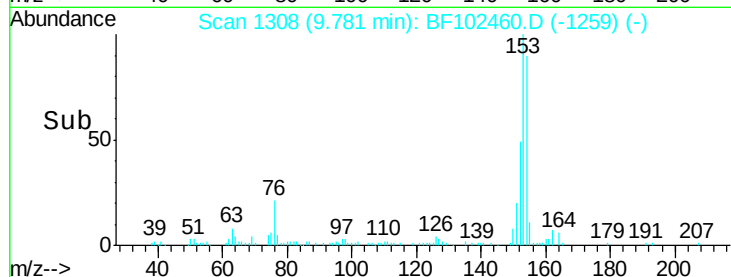
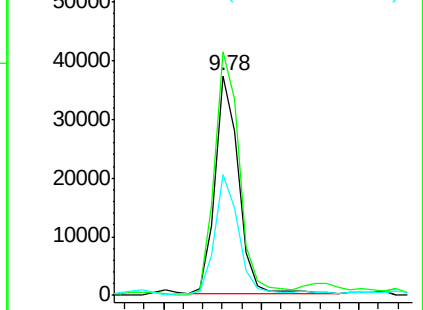
152 54.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.164 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

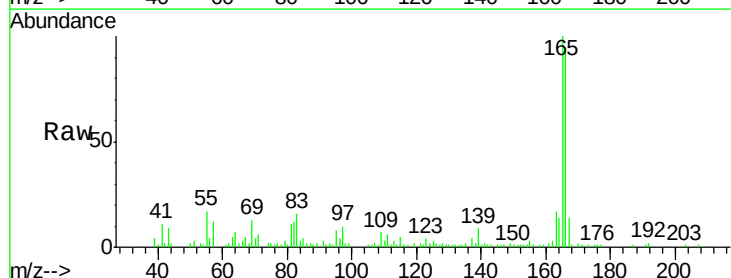
Tgt Ion:166 Resp: 39742

Ion Ratio Lower Upper

166 100

165 106.5 79.8 119.8

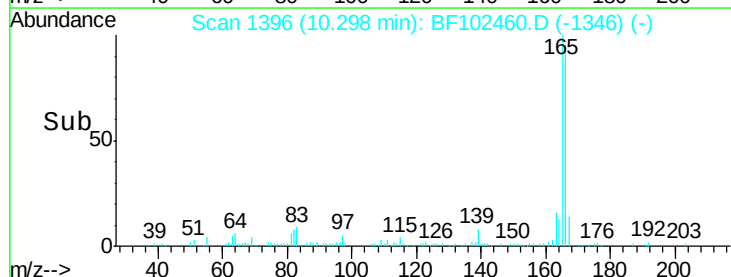
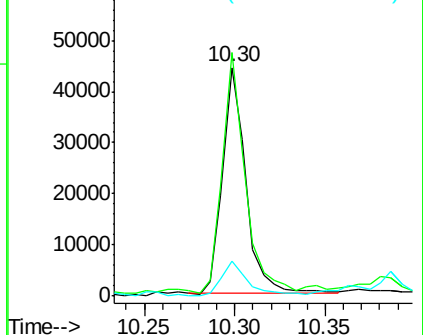
167 15.4 10.6 16.0

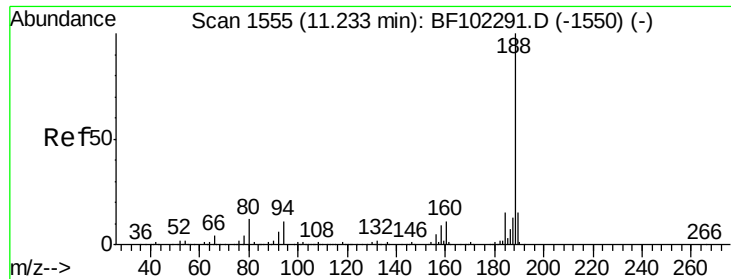


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

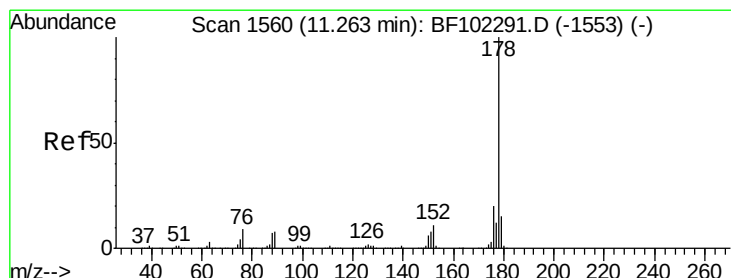
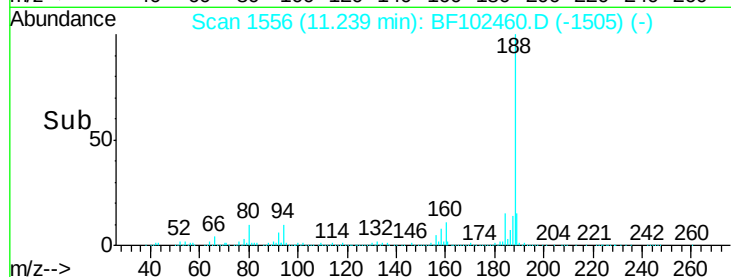
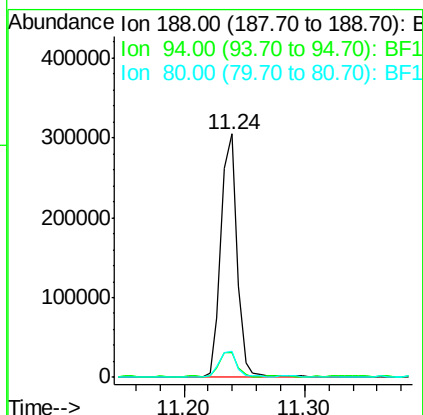
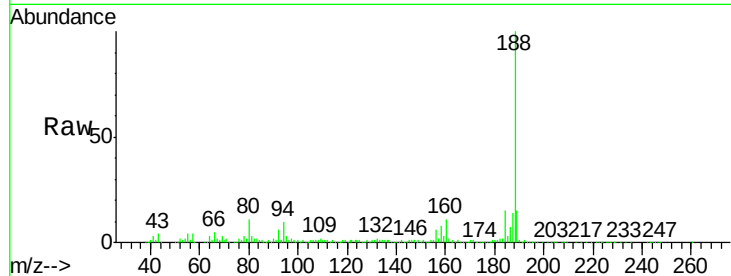




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

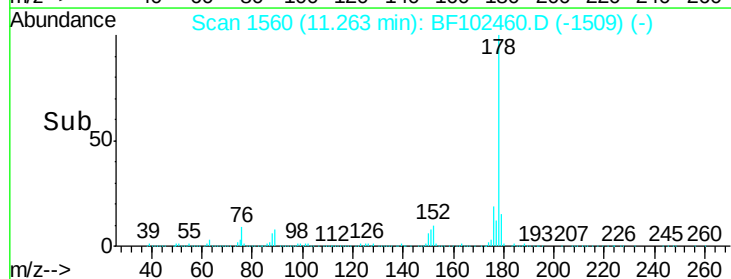
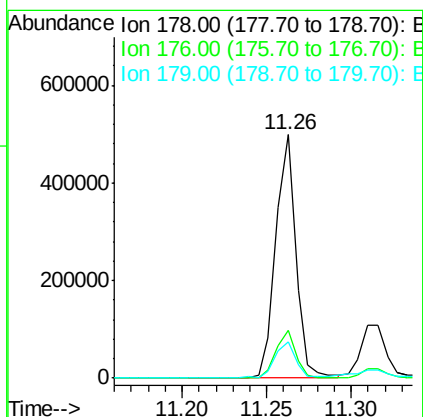
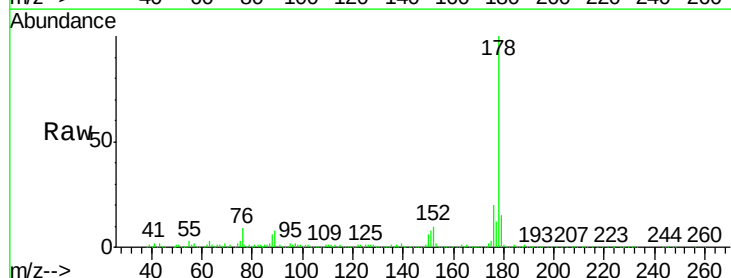
Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW0-4)DL

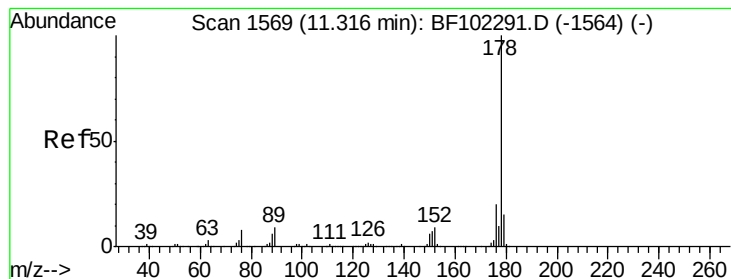
Tgt Ion:188 Resp: 284423
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.7 9.2 13.8



#70
Phenanthrene
Concen: 24.783 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Tgt Ion:178 Resp: 410755
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.1 13.0 19.6





#71

Anthracene

Concen: 6.137 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL

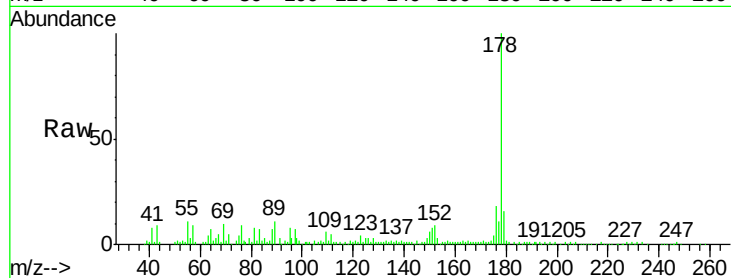
Tgt Ion:178 Resp: 103821

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

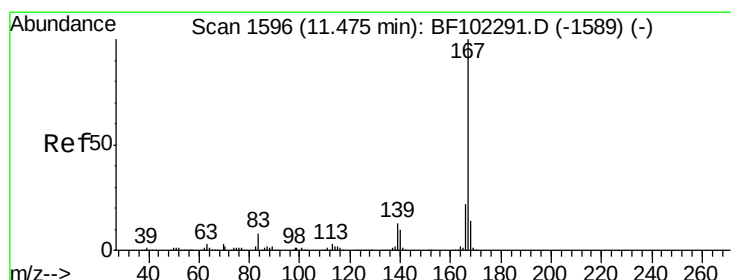
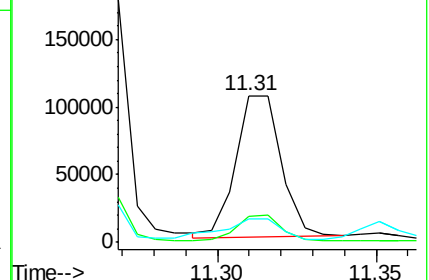
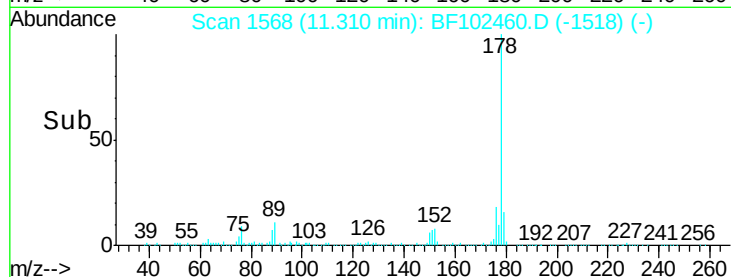
179 16.4 12.6 19.0



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



#72

Carbazole

Concen: 3.307 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

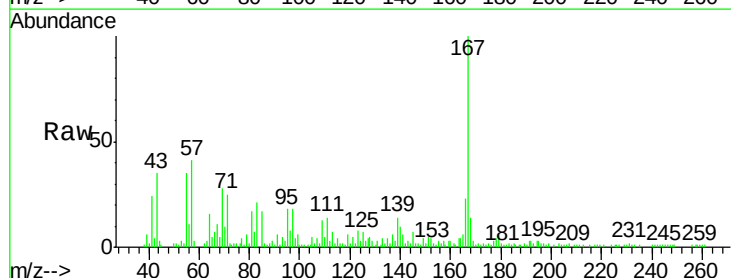
Tgt Ion:167 Resp: 54572

Ion Ratio Lower Upper

167 100

166 23.5 17.6 26.4

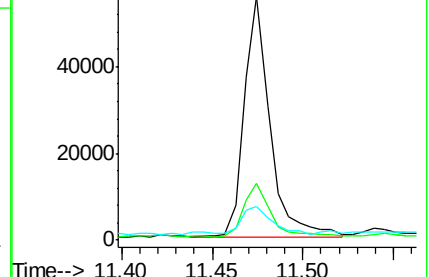
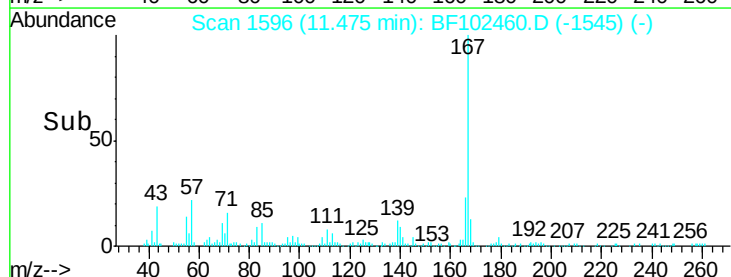
139 14.0 10.9 16.3

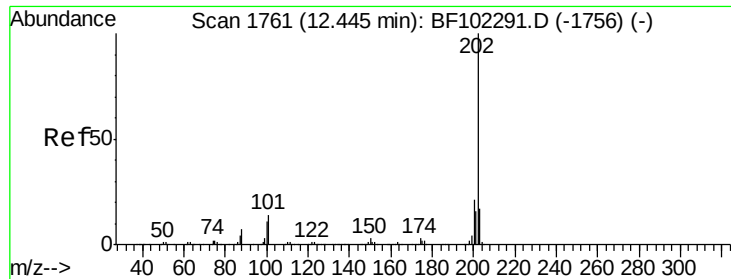


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

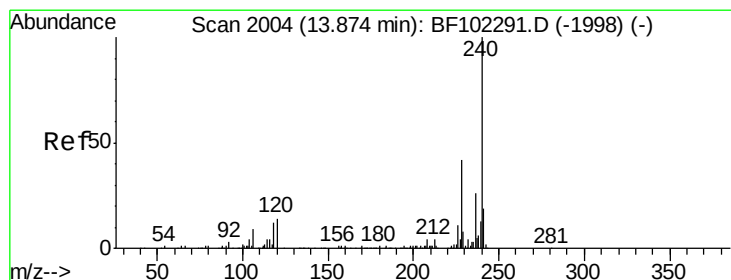
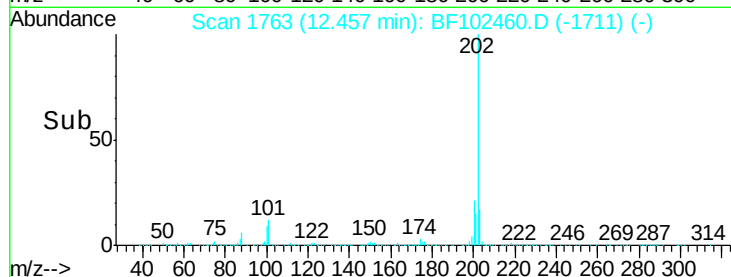
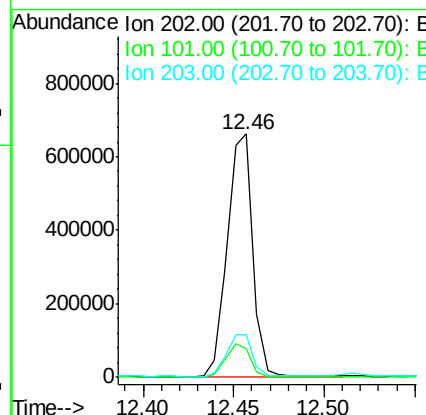
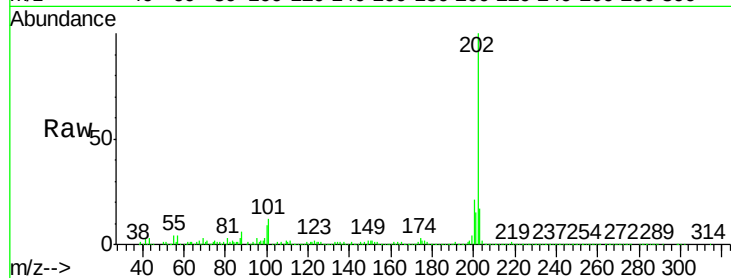




#74
 Fluoranthene
 Concen: 38.245 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

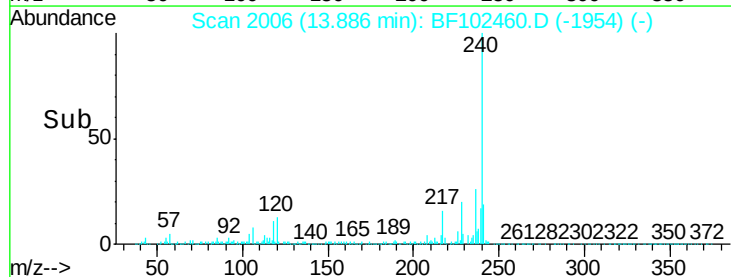
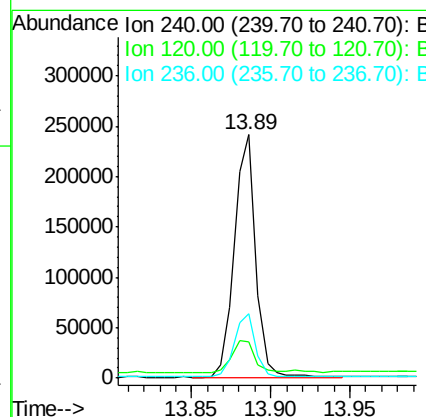
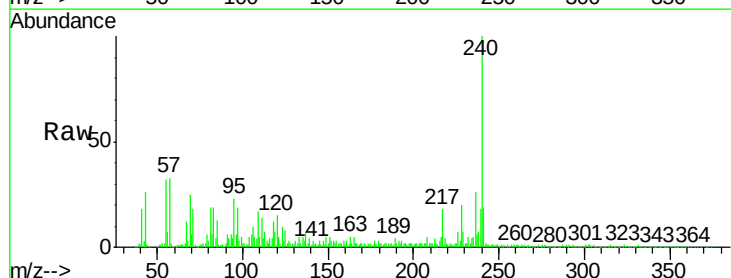
Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW0-4)DL

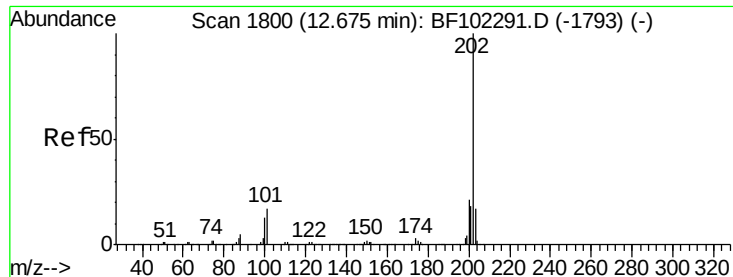
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	26.2	20.7	31.1





#77

Pyrene

Concen: 35.221 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL

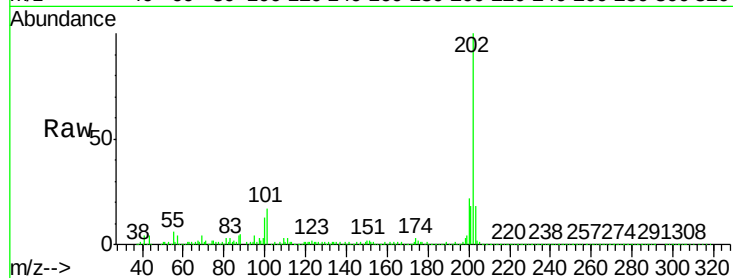
Tgt Ion: 202 Resp: 612270

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

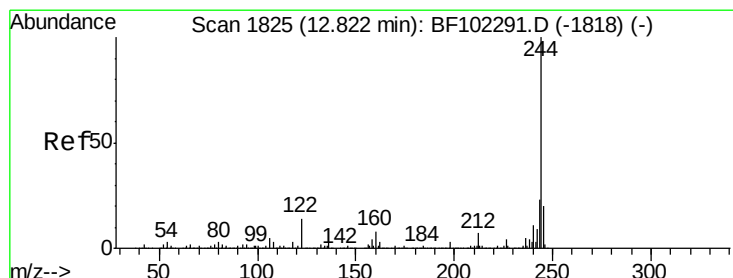
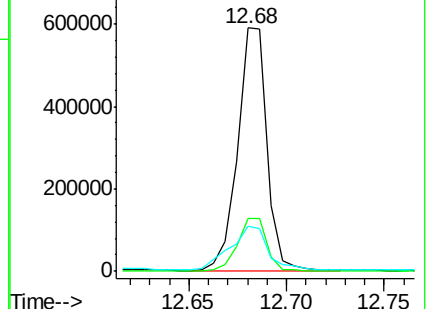
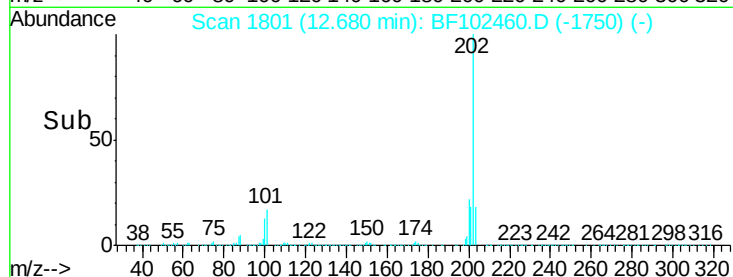
203 18.4 14.3 21.5



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: 16.373 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

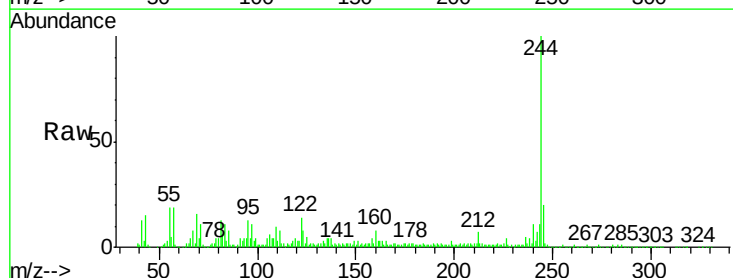
Tgt Ion: 244 Resp: 163300

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

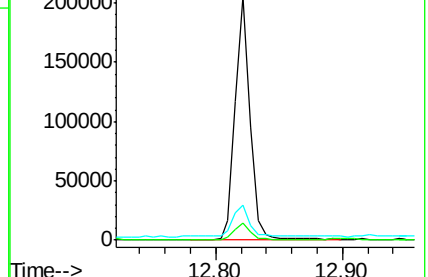
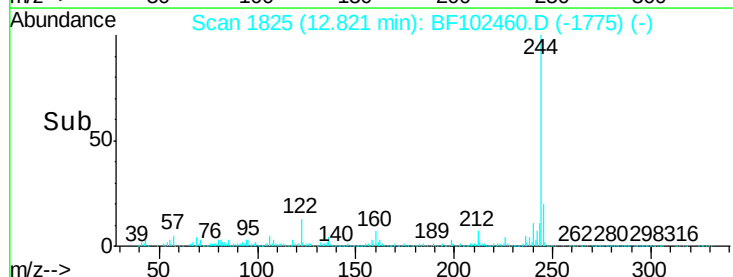
122 14.2 11.0 16.4

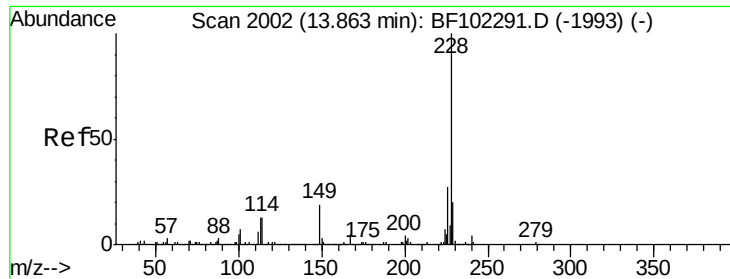


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 19.480 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL

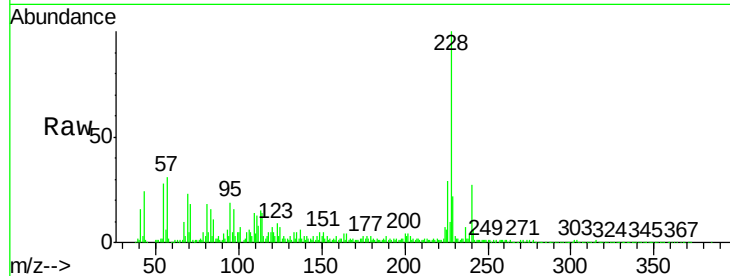
Tgt Ion:228 Resp: 269652

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

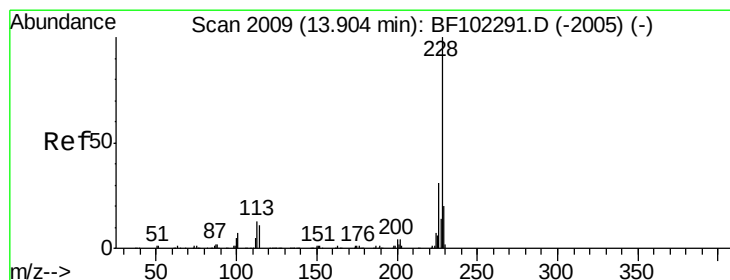
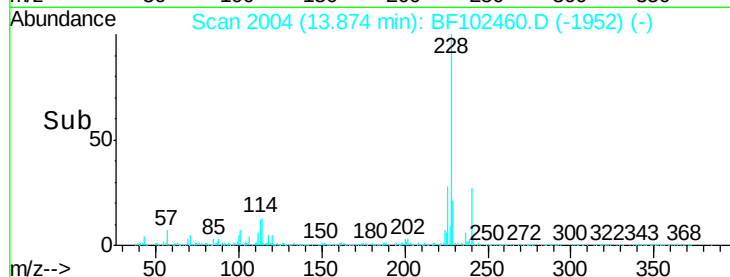
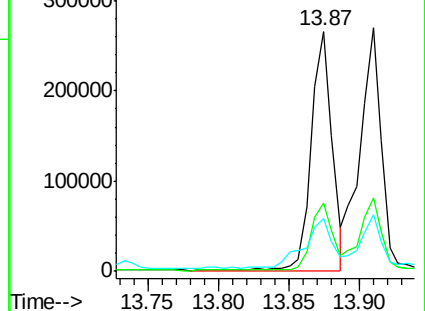
229 22.1 15.8 23.6



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: 20.317 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

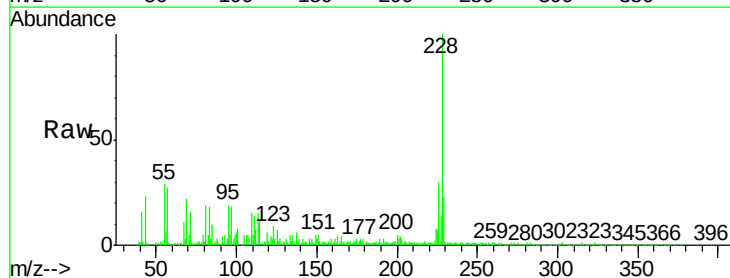
Tgt Ion:228 Resp: 285591

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

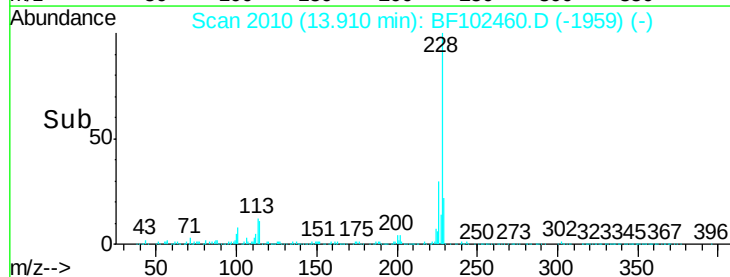
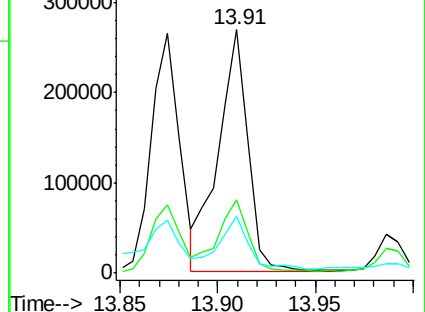
229 23.3 16.2 24.4

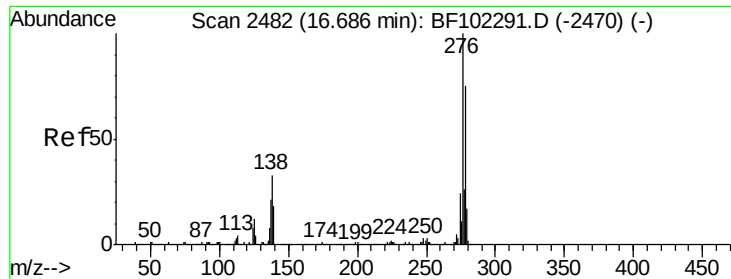


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

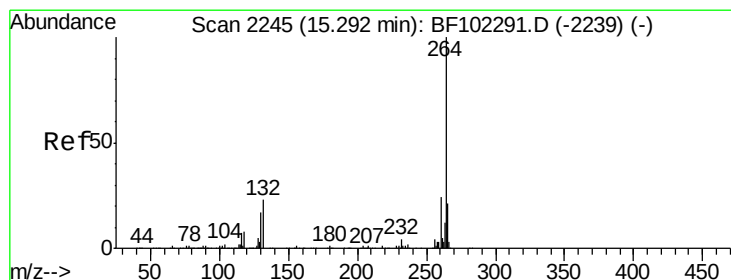
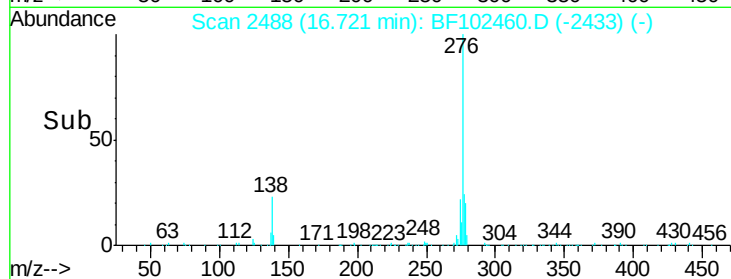
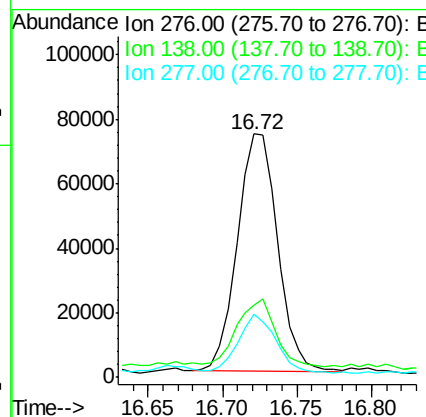
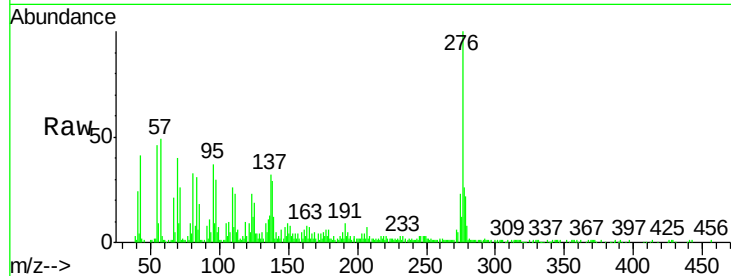




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.921 ng
 RT: 16.72 min Scan# 2488
 Delta R.T. 0.02 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

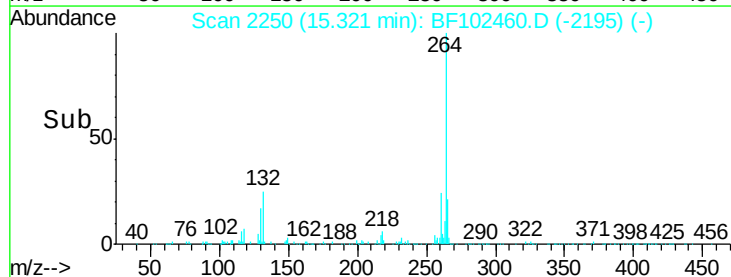
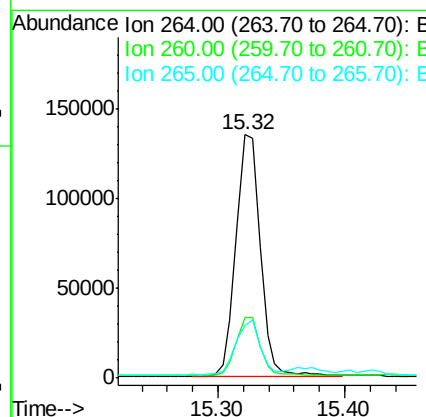
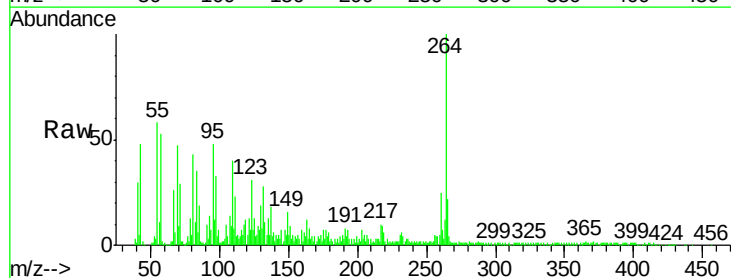
Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW0-4)DL

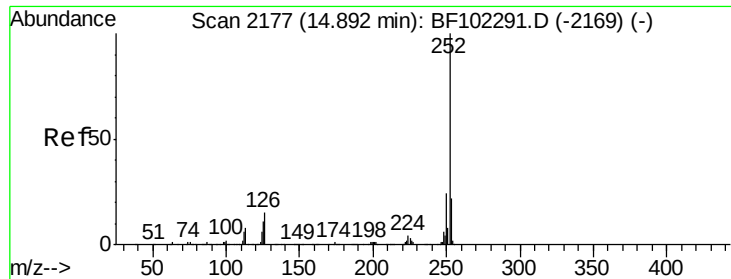
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.5	25.0	37.6
277	23.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.02 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 36.797 ng

RT: 14.92 min Scan# 2181

Delta R.T. 0.02 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL

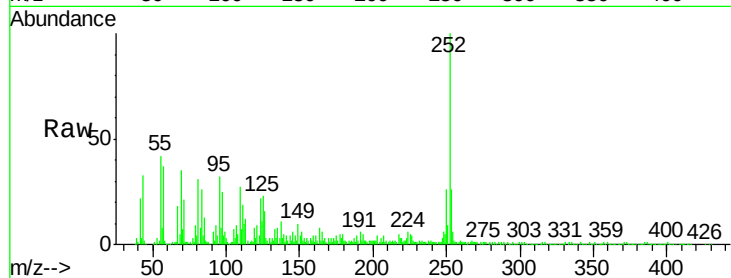
Tgt Ion:252 Resp: 426688

Ion Ratio Lower Upper

252 100

253 26.0 17.0 25.6#

125 22.9 9.0 13.6#

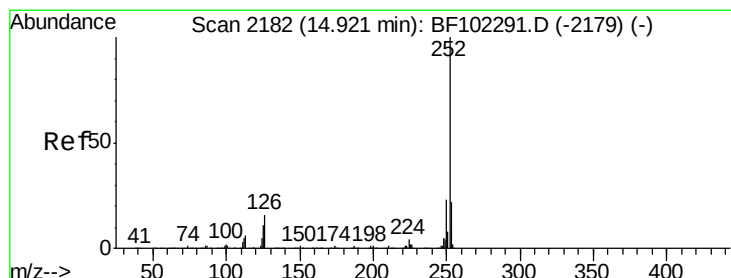
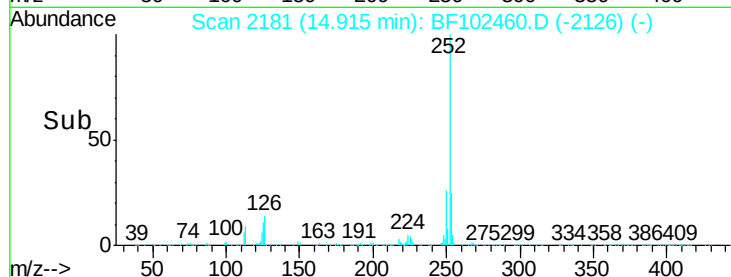
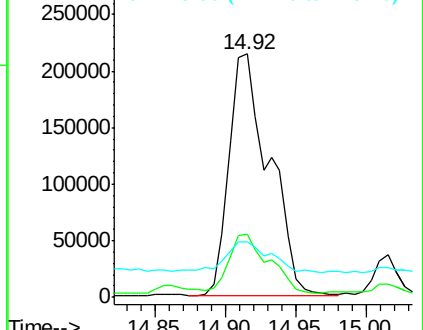


Abundance

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: 38.948 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

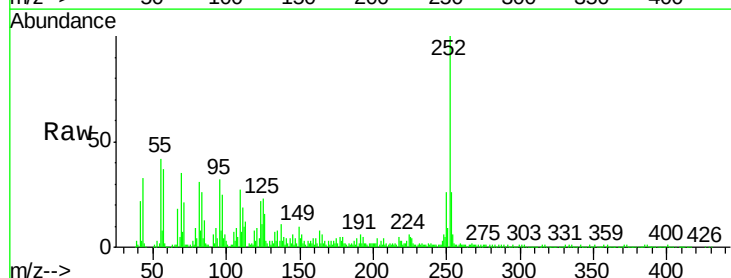
Tgt Ion:252 Resp: 426688

Ion Ratio Lower Upper

252 100

253 26.0 17.9 26.9

125 22.9 10.2 15.2#

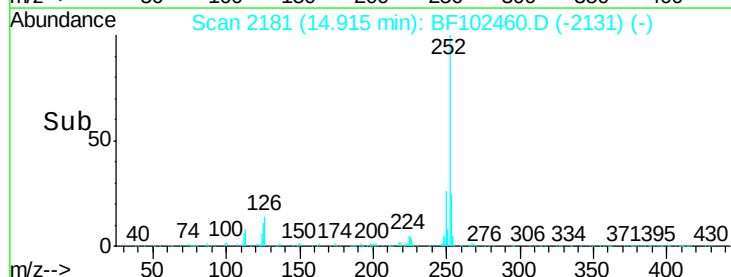
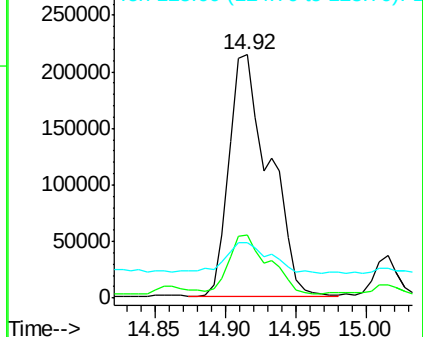


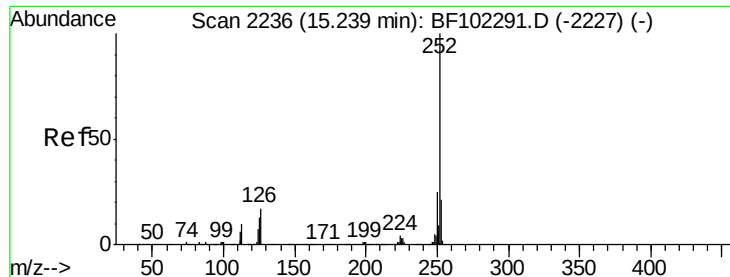
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 20.176 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.02 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL

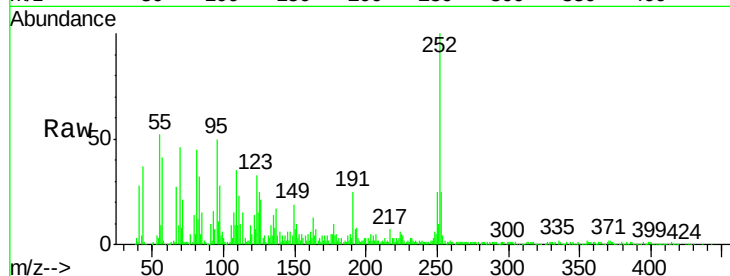
Tgt Ion:252 Resp: 211005

Ion Ratio Lower Upper

252 100

253 24.8 17.1 25.7

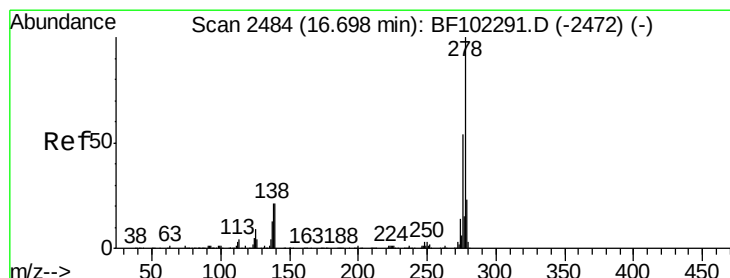
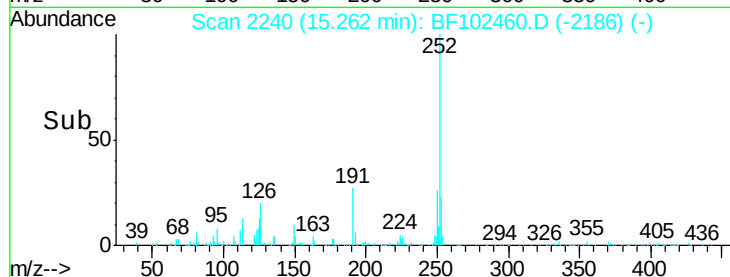
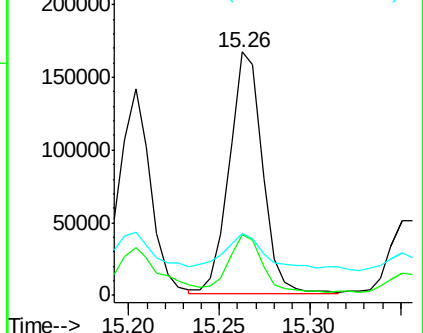
125 25.4 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 3.625 ng

RT: 16.72 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

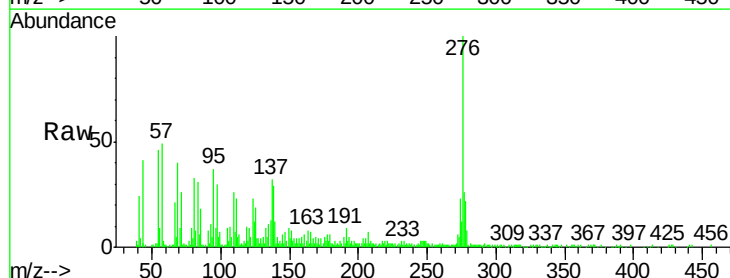
Tgt Ion:278 Resp: 30712

Ion Ratio Lower Upper

278 100

139 52.9 15.9 23.9#

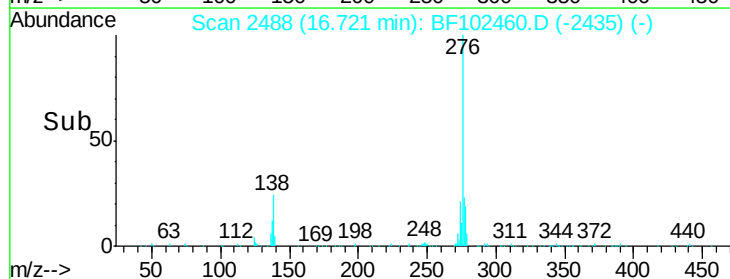
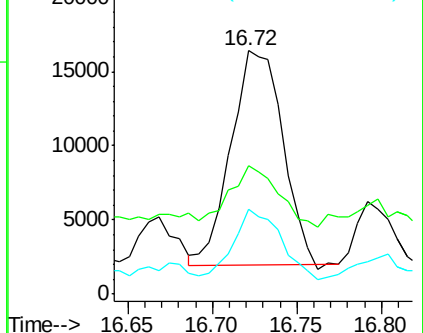
279 35.1 19.0 28.4#

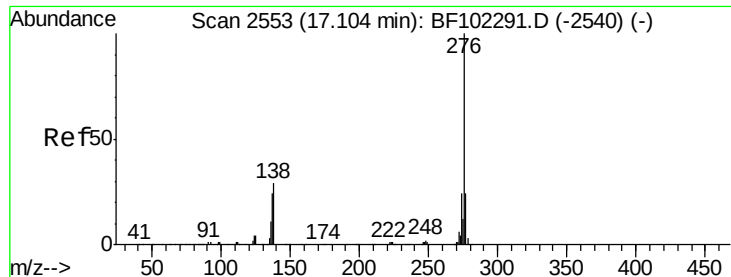


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 16.945 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.04 min

Lab File: BF102460.D

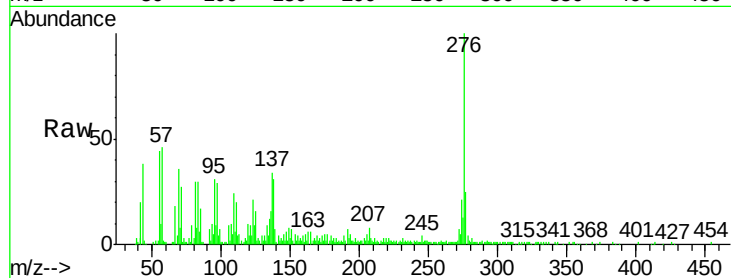
Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL



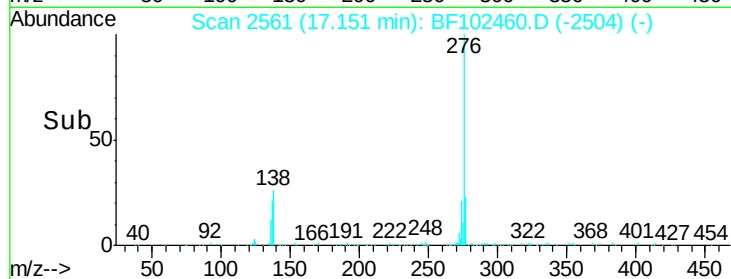
Tgt Ion:276 Resp: 141743

Ion Ratio Lower Upper

276 100

277 24.8 17.9 26.9

138 30.5 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

