

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102475.D
 Acq On : 26 Jan 2018 18:15
 Operator : SJ/JU
 Sample : J1020-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 22:02:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	170322	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	688150	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	265754	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	375948	20.00	ng	0.00
75) Chrysene-d12	13.89	240	301643	20.00	ng	0.00
86) Perylene-d12	15.32	264	216145	20.00	ng	0.02

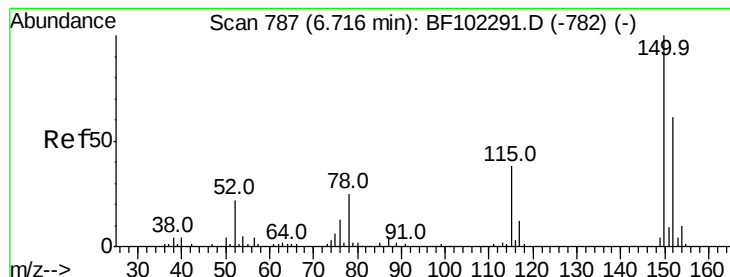
System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	558920	49.76	ng	0.00
7) Phenol-d6	6.36	99	675692	49.89	ng	0.00
23) Nitrobenzene-d5	7.29	82	314049	26.23	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	75509	28.68	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	588560	32.56	ng	0.00
78) Terphenyl-d14	12.83	244	385867	28.84	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	42024	5.071	ng	# 77
25) Isophorone	7.29	82	314047	14.711	ng	# 64
48) Acenaphthylene	9.62	152	82817	2.878	ng	99
49) Dimethylphthalate	9.47	163	98736	4.495	ng	100
54) Dibenzofuran	9.96	168	48717	2.142	ng	96
55) 4-Nitrophenol	9.96	139	19684	5.323	ng	# 11
57) Fluorene	10.30	166	78389	4.349	ng	100
70) Phenanthrene	11.27	178	532110	24.289	ng	99
71) Anthracene	11.32	178	204746	9.157	ng	100
74) Fluoranthene	12.46	202	877641	39.285	ng	98
77) Pyrene	12.69	202	848049	36.363	ng	99
80) Benzo(a)anthracene	13.88	228	451421	24.308	ng	95
82) Chrysene	13.92	228	410773	21.781	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	136119	8.740	ng	97
87) Benzo(b)fluoranthene	14.92	252	534264	38.136	ng	# 93
88) Benzo(k)fluoranthene	14.92	252	534264	40.365	ng	96
89) Benzo(a)pyrene	15.26	252	280264	22.182	ng	# 97
90) Dibenzo(a,h)anthracene	16.73	278	34950	3.415	ng	# 78
91) Benzo(a,h,i)perylene	17.15	276	130268	12.890	ng	94

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

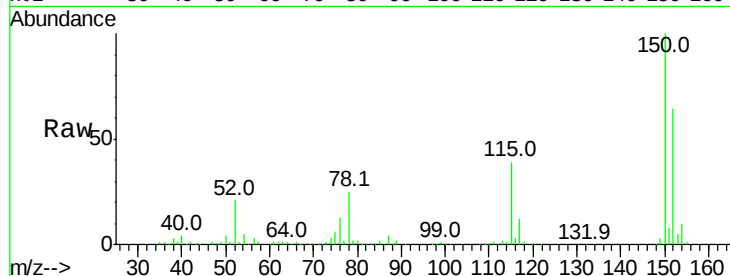


#1

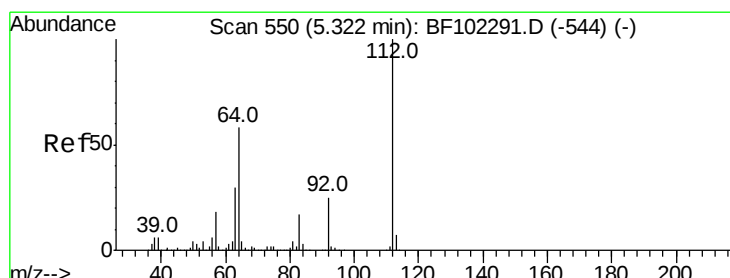
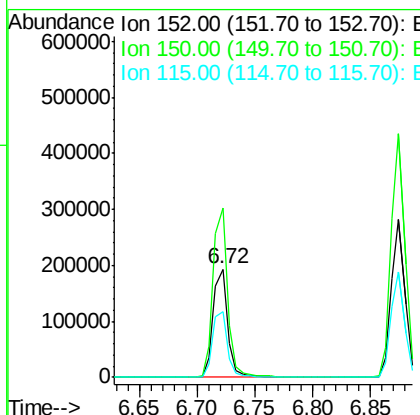
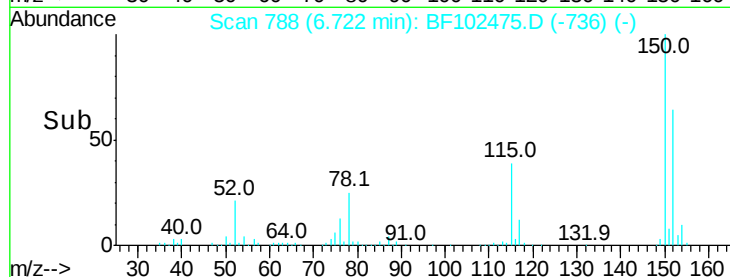
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	60.5	50.1	75.1



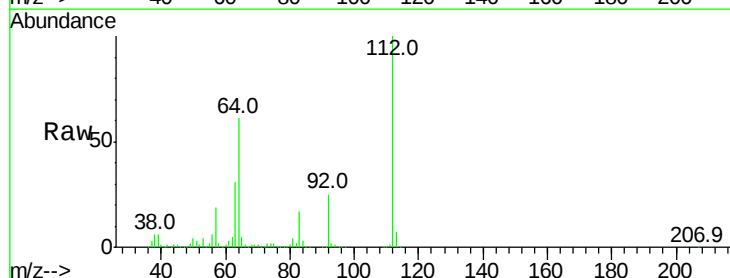
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



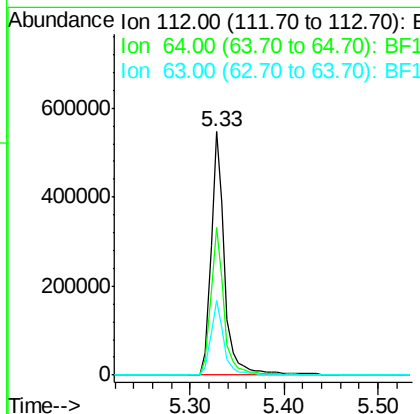
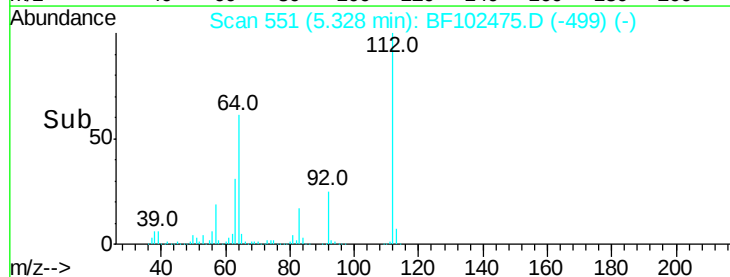
#5

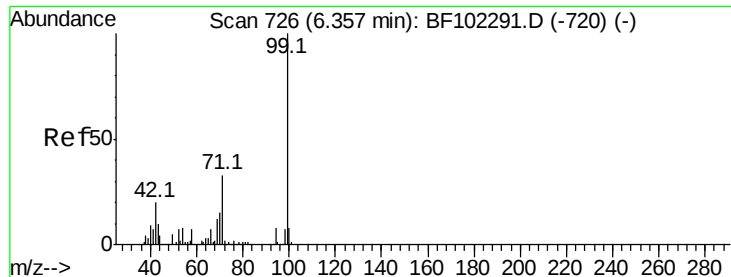
2-Fluorophenol
Concen: 49.757 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	30.9	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: 49.894 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

ClientSampled :

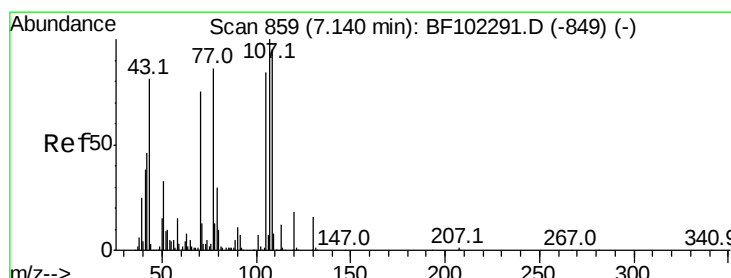
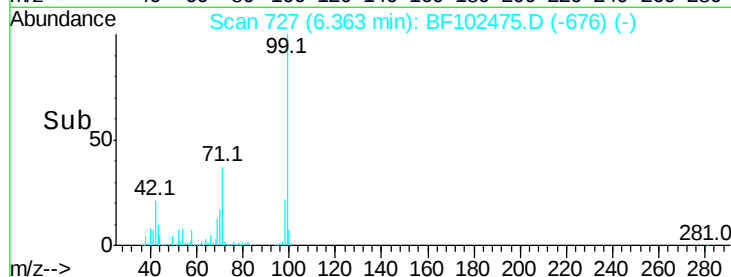
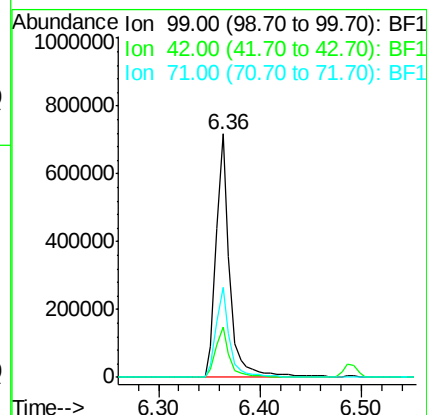
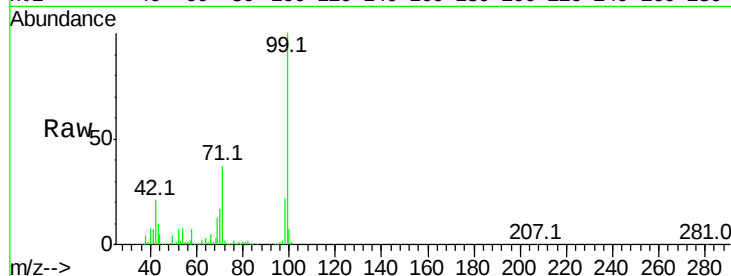
Tot Ion: 99 Resp: 675692

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 36.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.071 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Tgt Ion: 70 Resp: 42024

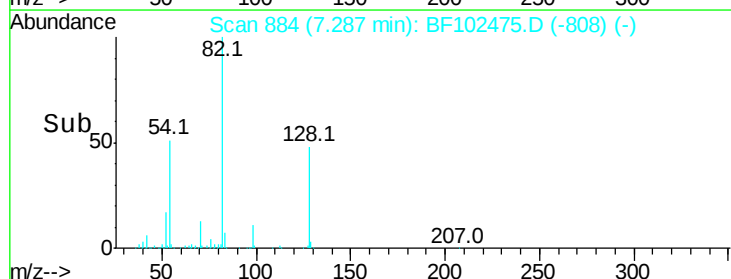
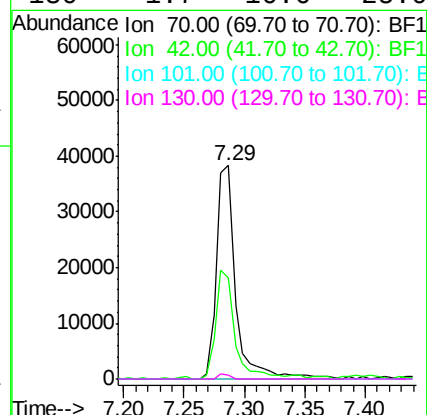
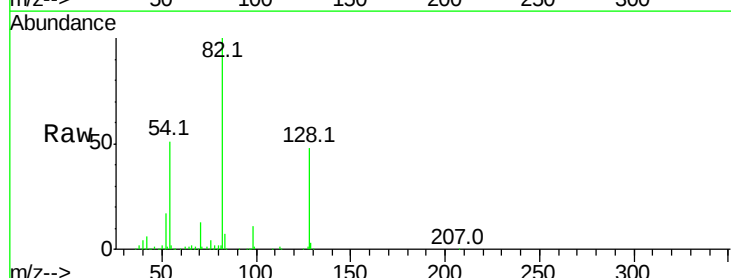
Ion Ratio Lower Upper

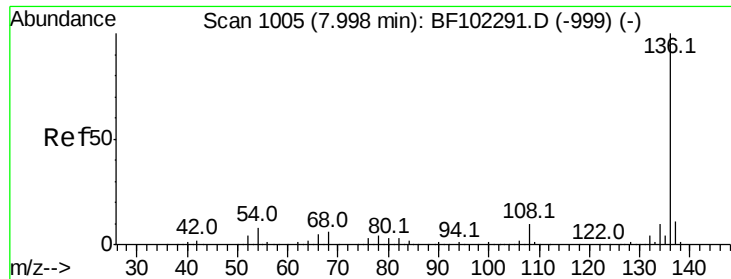
70 100

42 47.4 47.5 71.3#

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

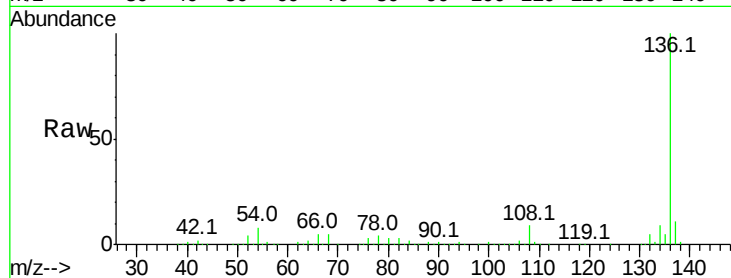




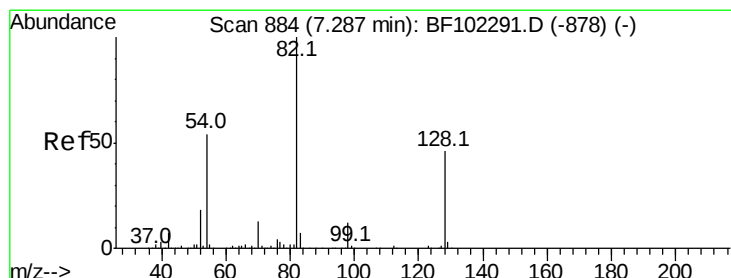
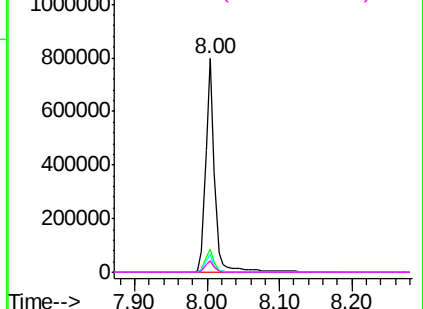
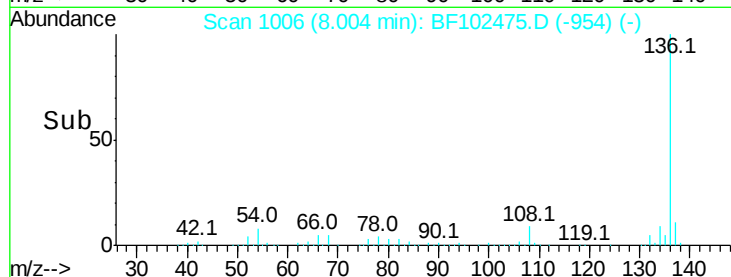
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	688150
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.2	6.6	9.8
68	5.3	5.0	7.4

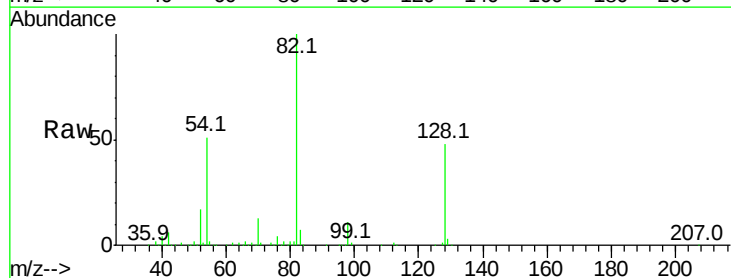


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

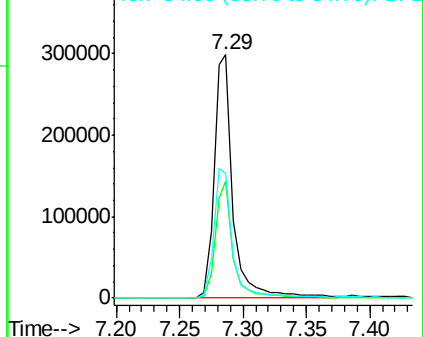
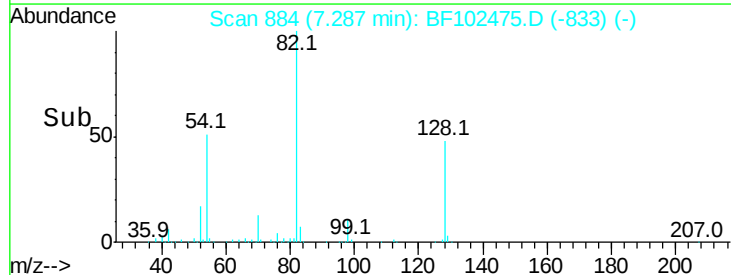


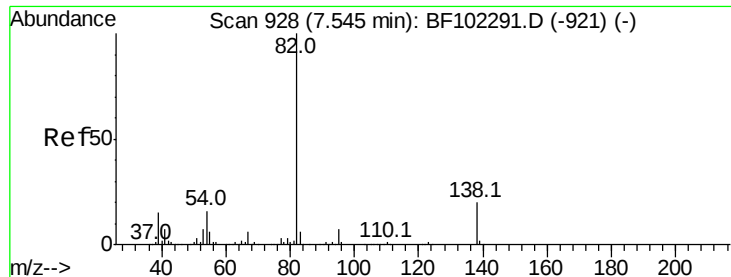
#23
Nitrobenzene-d5
Concen: 26.226 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion:	82	Resp:	314049
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.1	54.1
54	51.2	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: 14.711 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

ClientSampleId :

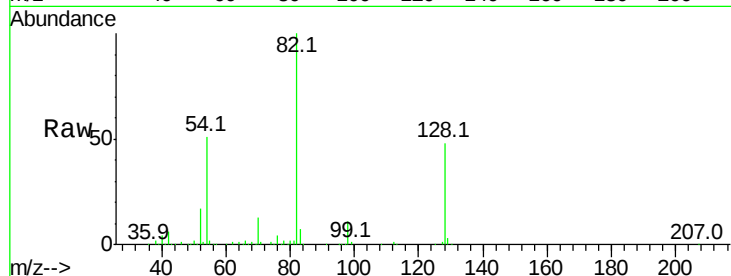
Tot Ion: 82 Resp: 314047

Ion Ratio Lower Upper

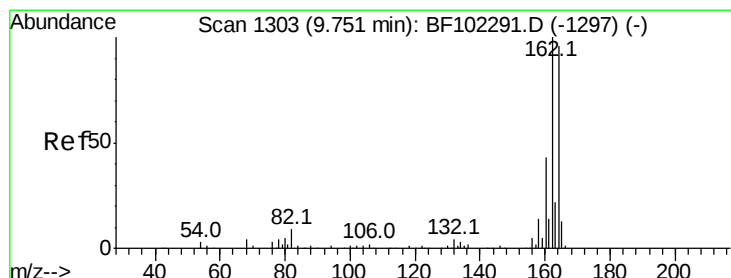
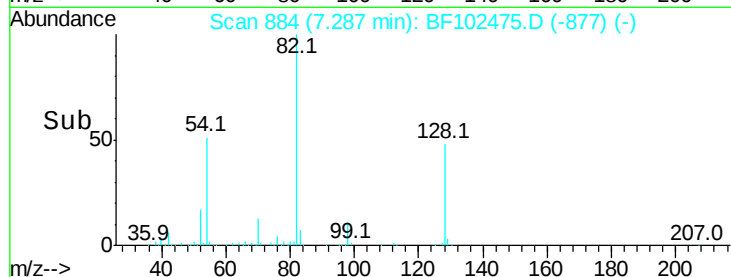
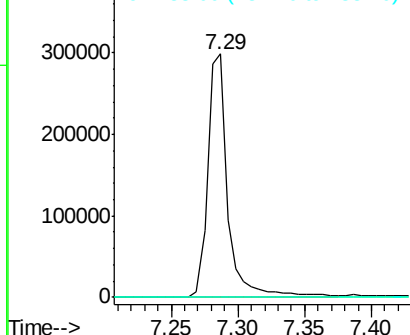
82 100

95 0.1 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: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

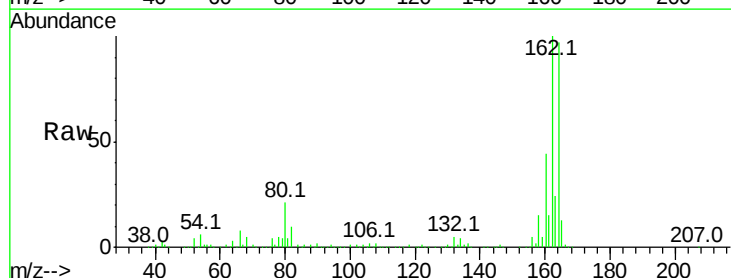
Tgt Ion:164 Resp: 265754

Ion Ratio Lower Upper

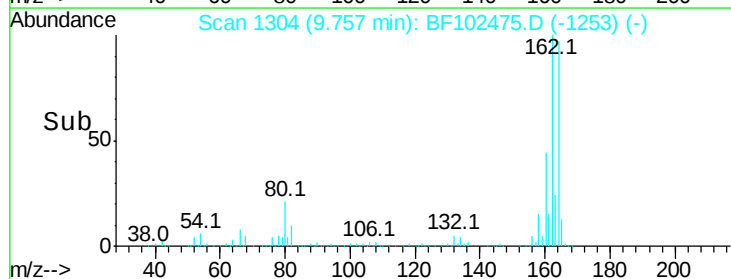
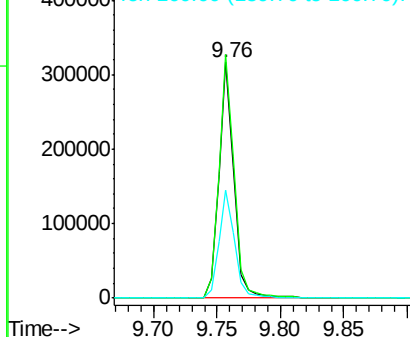
164 100

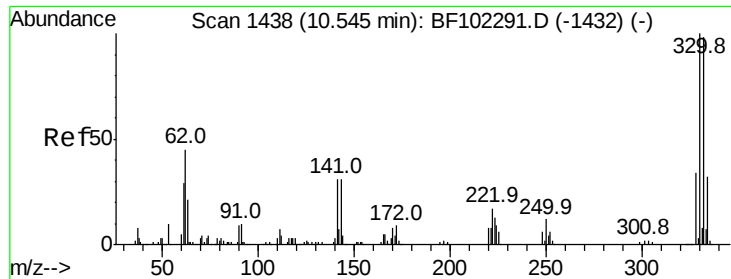
162 103.4 86.1 129.1

160 45.8 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

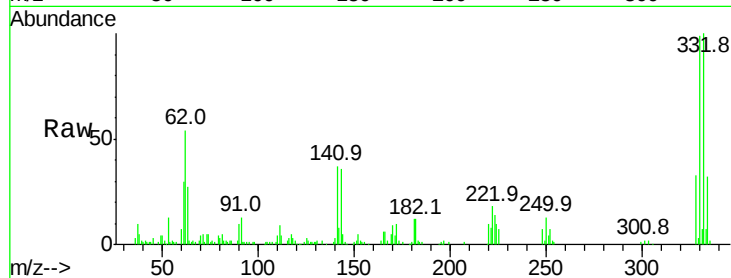




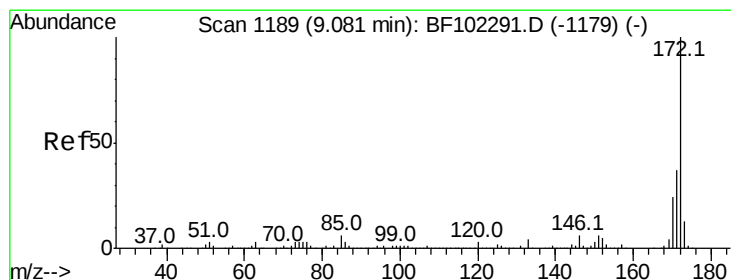
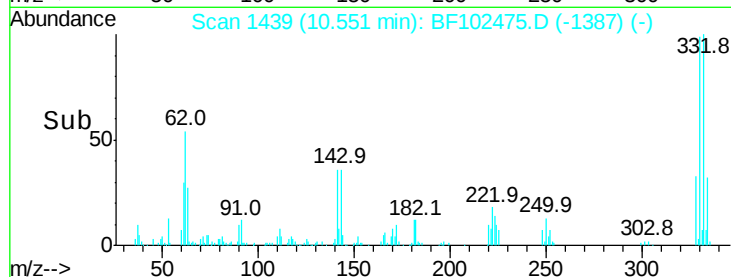
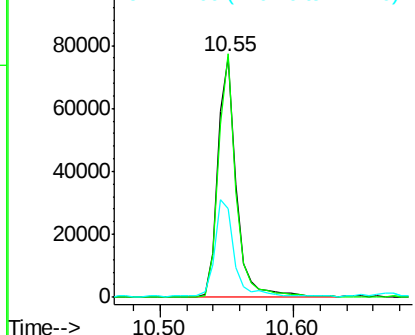
#41
 2,4,6-Tribromophenol
 Concen: 28.675 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 75509
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 45.0 29.9 44.9#

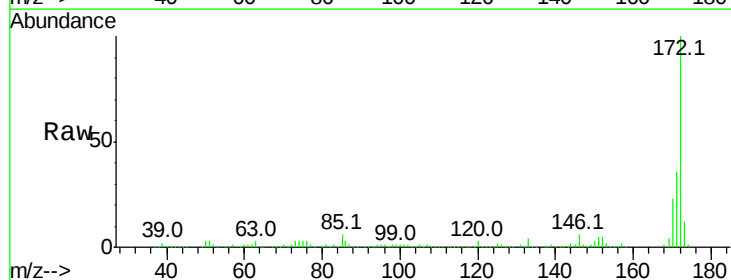


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

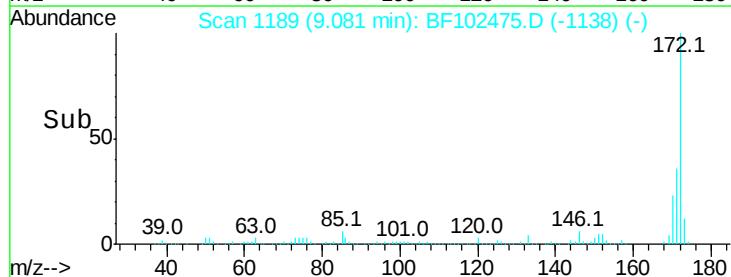
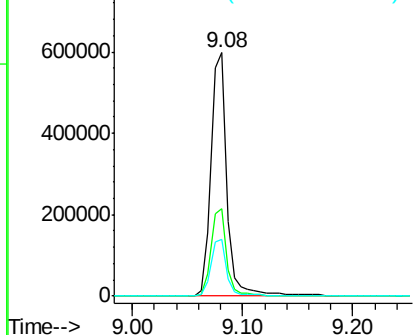


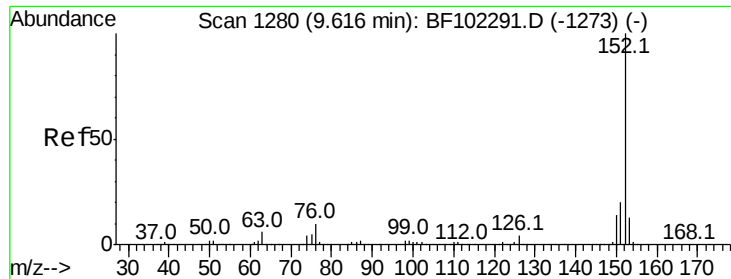
#44
 2-Fluorobiphenyl
 Concen: 32.564 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Tgt Ion:172 Resp: 588560
 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

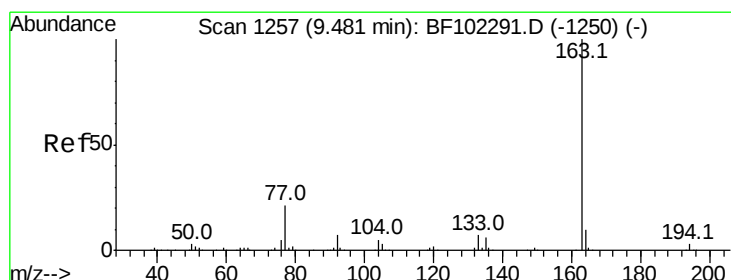
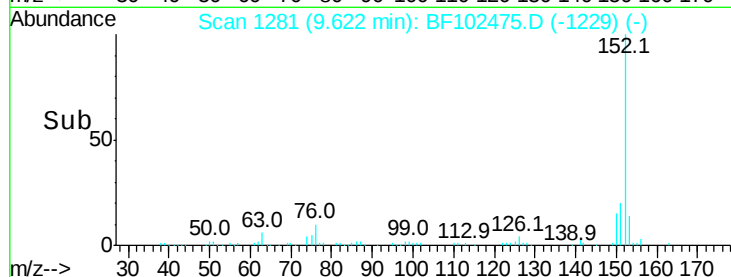
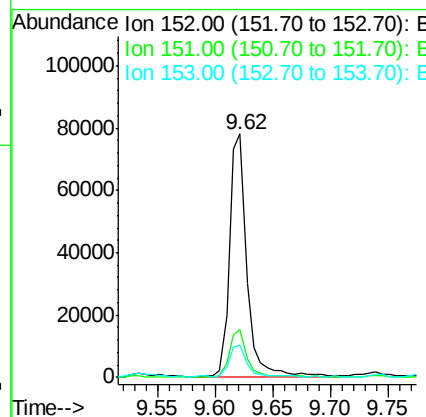
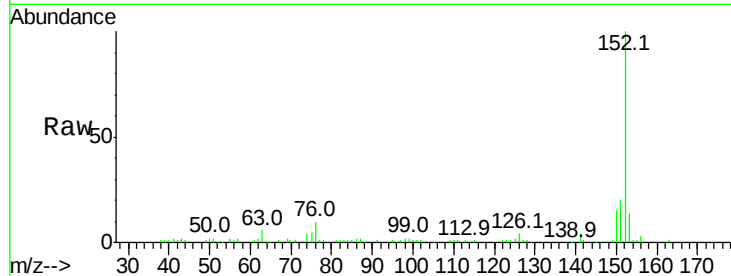




#48
Acenaphthylene
Concen: 2.878 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

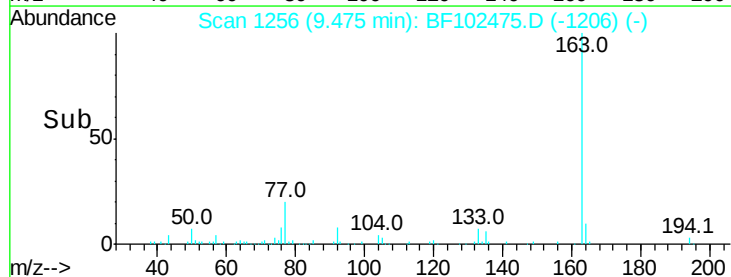
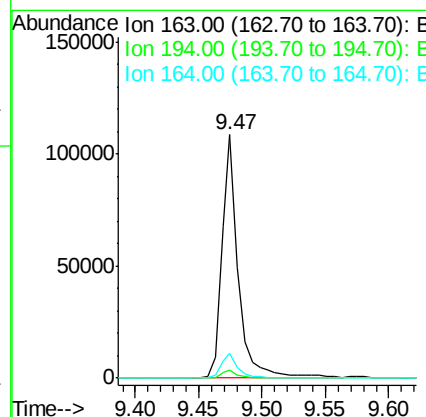
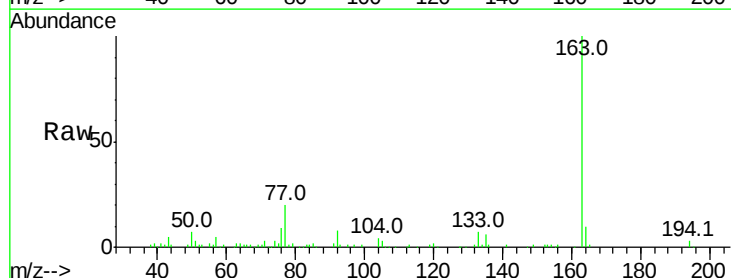
Instrument :
BNA_F
ClientSampleId :

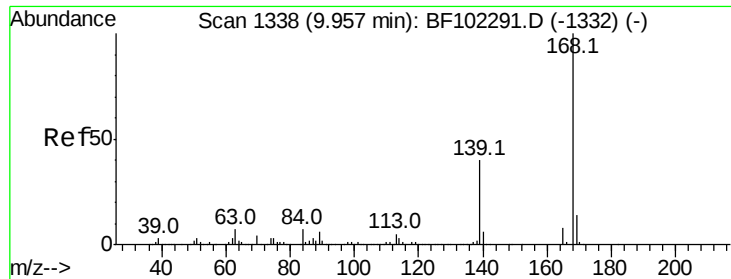
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	13.6	10.7	16.1



#49
Dimethylphthalate
Concen: 4.495 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.2	8.2	12.2

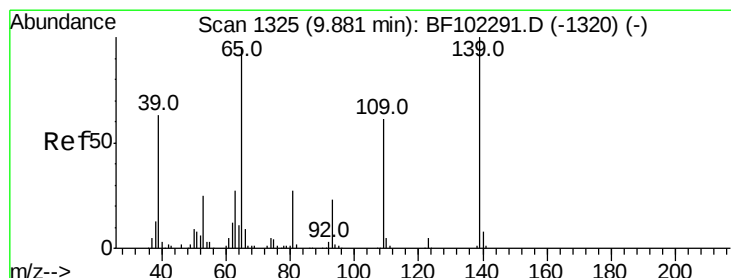
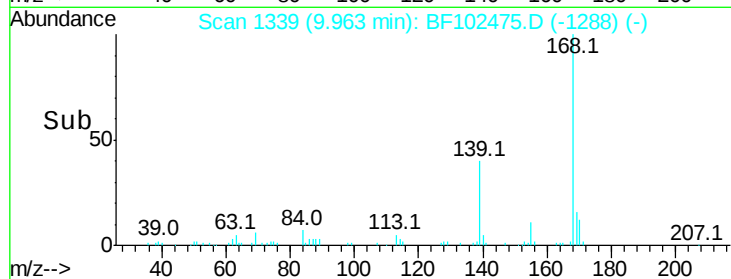
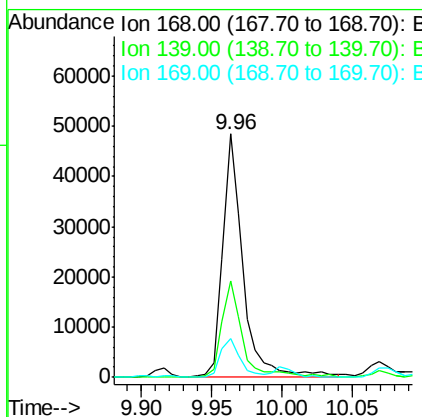
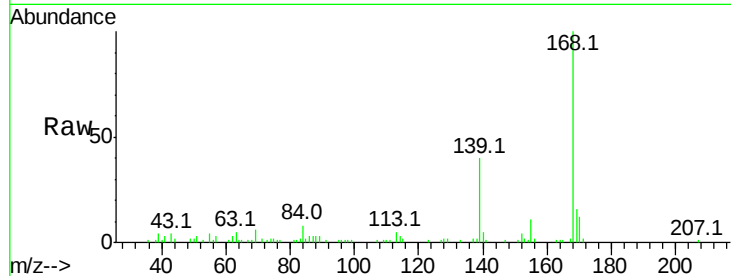




#54
Dibenzofuran
Concen: 2.142 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

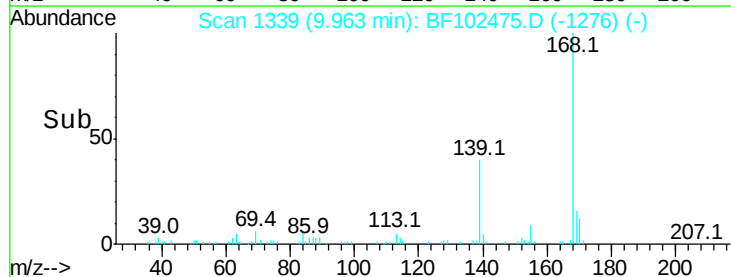
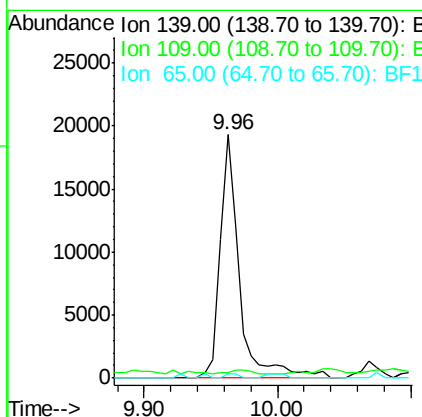
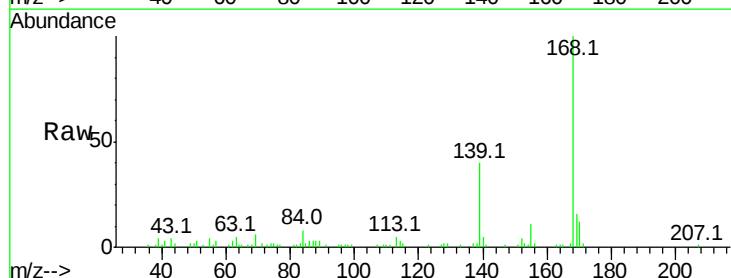
Instrument :
BNA_F
ClientSampleId :

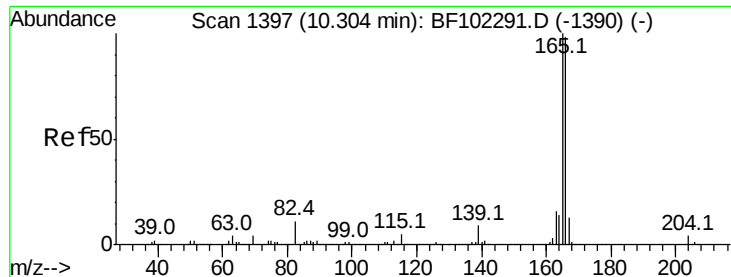
Tot Ion:168 Resp: 48717
Ion Ratio Lower Upper
168 100
139 39.8 30.1 45.1
169 15.8 10.9 16.3



#55
4-Nitrophenol
Concen: 5.323 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.07 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion:139 Resp: 19684
Ion Ratio Lower Upper
139 100
109 2.5 48.4 88.4#
65 1.6 72.6 112.6#





#57

Fluorene

Concen: 4.349 ng

RT: 10.30 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

ClientSampleId :

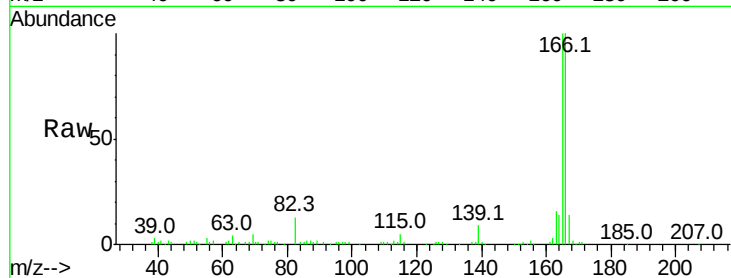
Tot Ion:166 Resp: 78389

Ion Ratio Lower Upper

166 100

165 99.6 79.8 119.8

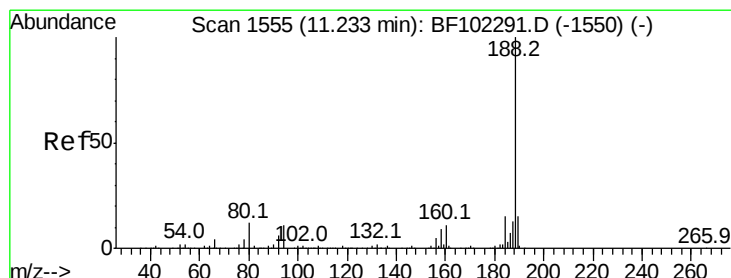
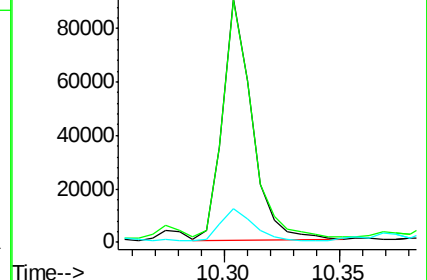
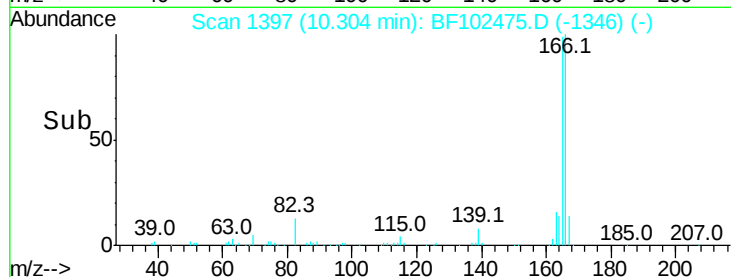
167 13.9 10.6 16.0



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: 11.25 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

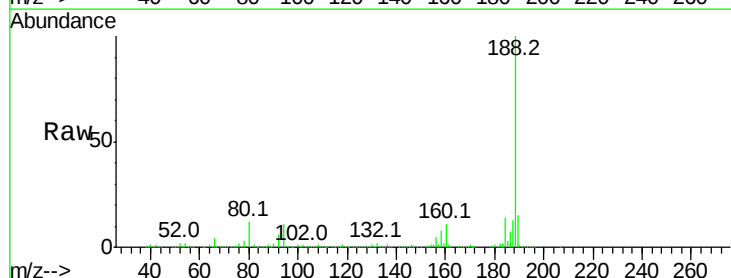
Tgt Ion:188 Resp: 375948

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

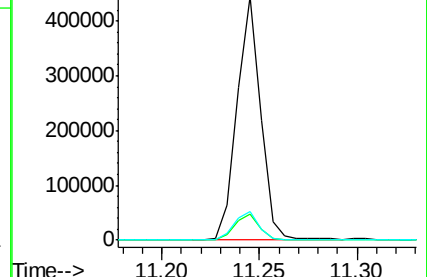
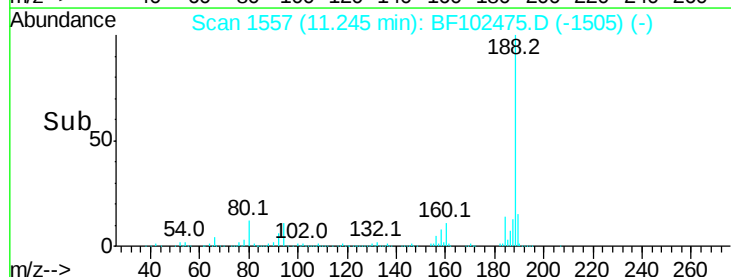
80 11.6 9.2 13.8

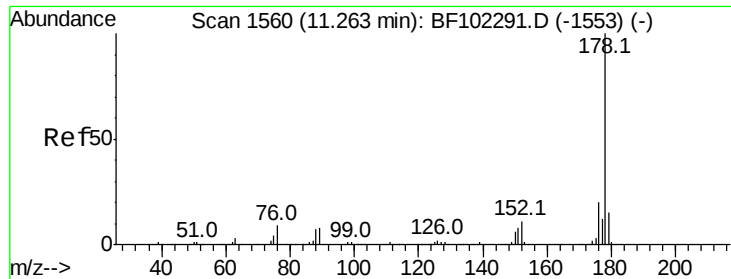


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 24.289 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.00 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

ClientSampleId :

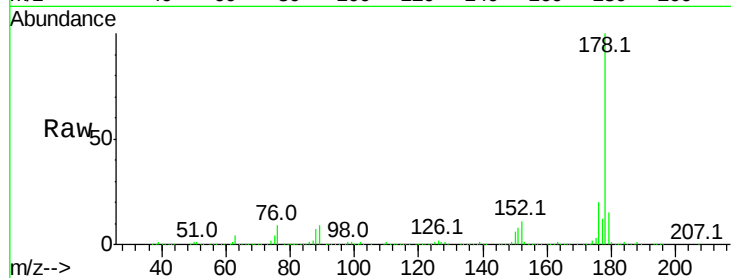
Tot Ion:178 Resp: 532110

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

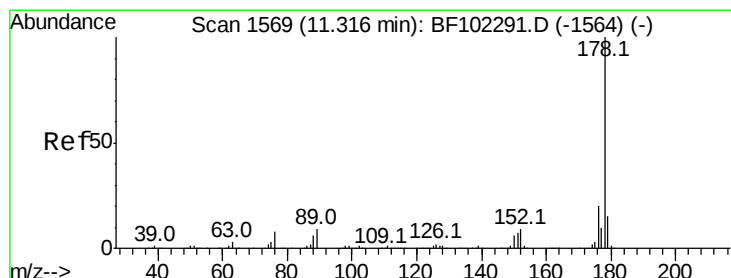
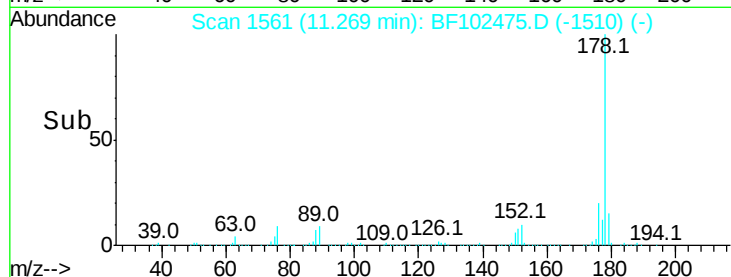
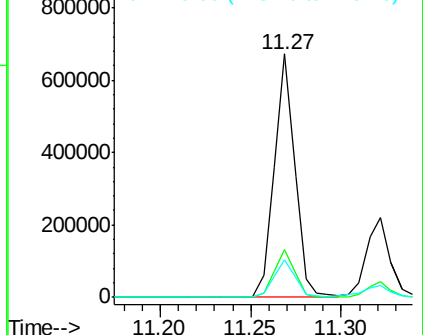
179 15.3 13.0 19.6



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: 9.157 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

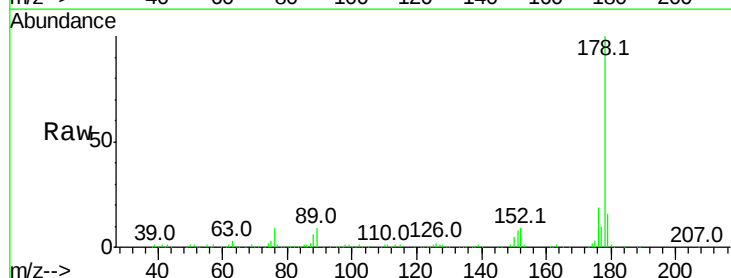
Tgt Ion:178 Resp: 204746

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

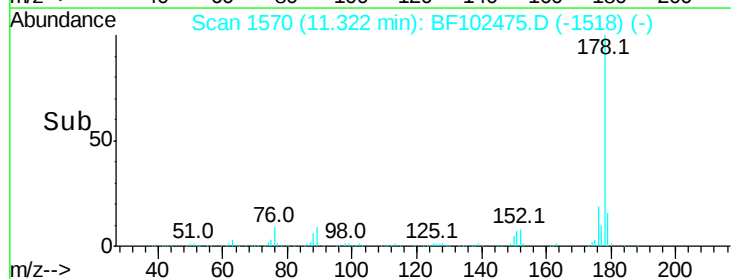
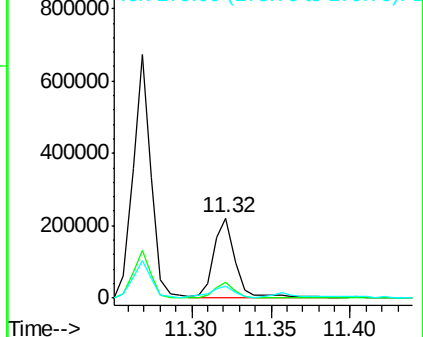
179 15.7 12.6 19.0

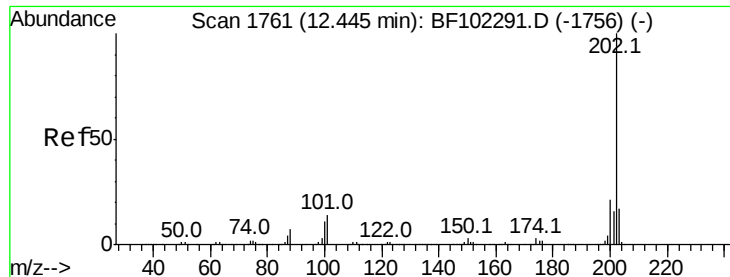


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 39.285 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

ClientSampleId :

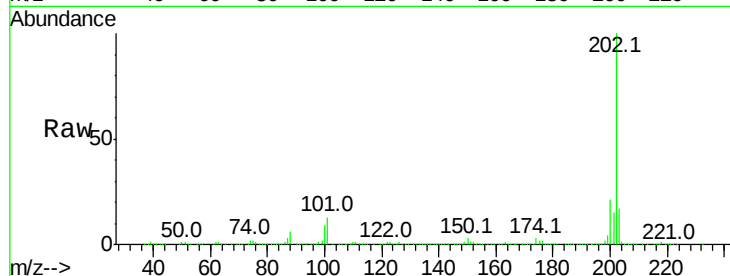
Tot Ion:202 Resp: 877641

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

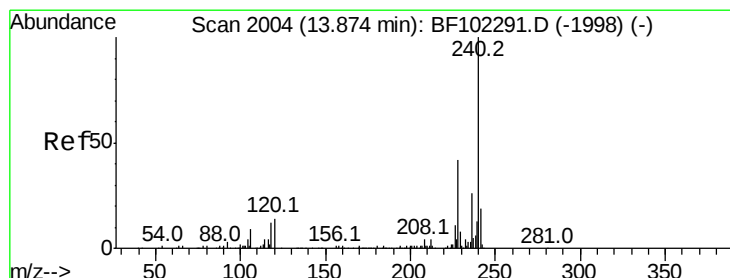
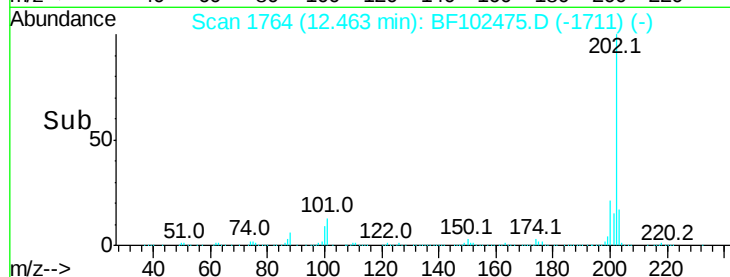
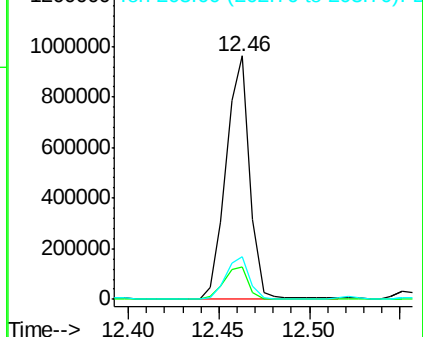
203 17.4 0.0 38.1



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: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

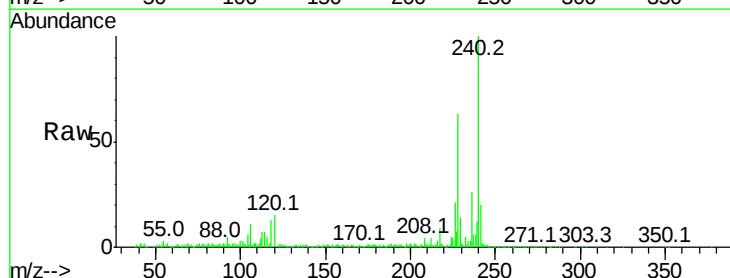
Tgt Ion:240 Resp: 301643

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

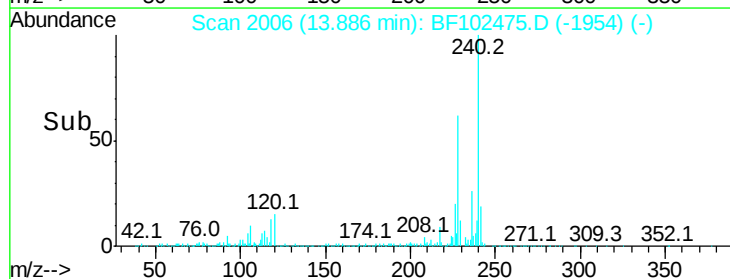
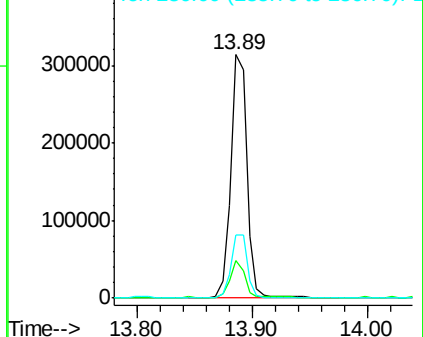
236 26.0 20.7 31.1

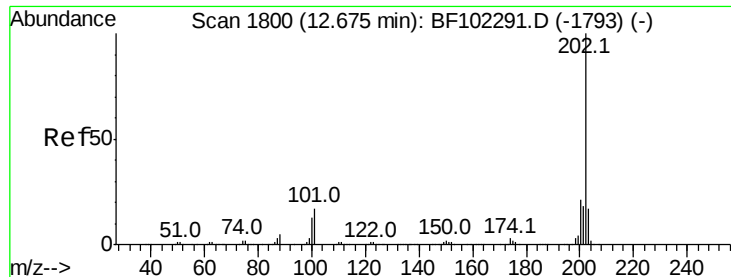


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 36.363 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

ClientSampled :

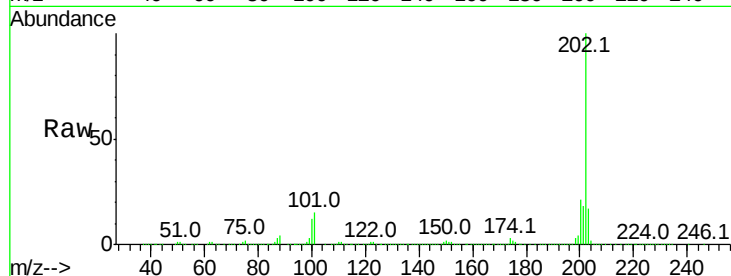
Tot Ion:202 Resp: 848049

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

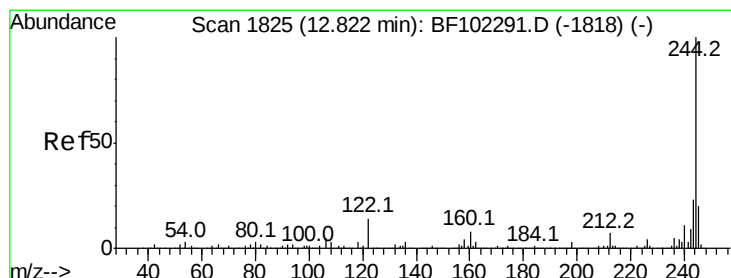
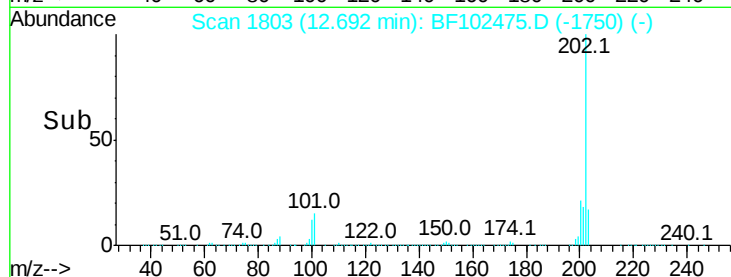
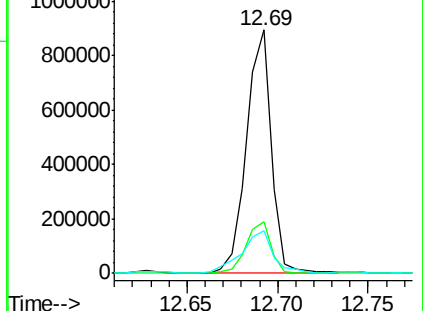
203 17.3 14.3 21.5



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: 28.838 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

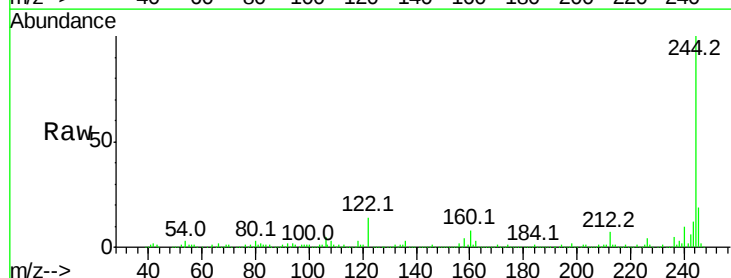
Tgt Ion:244 Resp: 385867

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

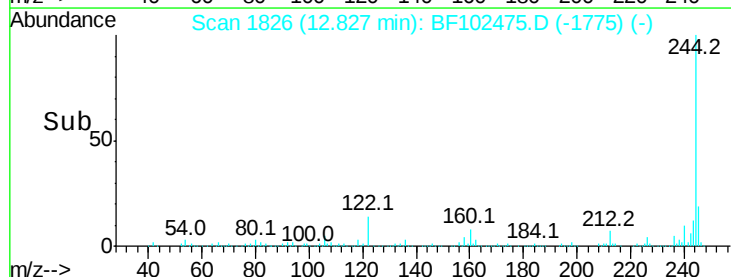
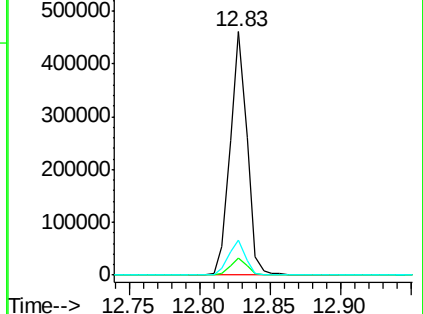
122 14.3 11.0 16.4

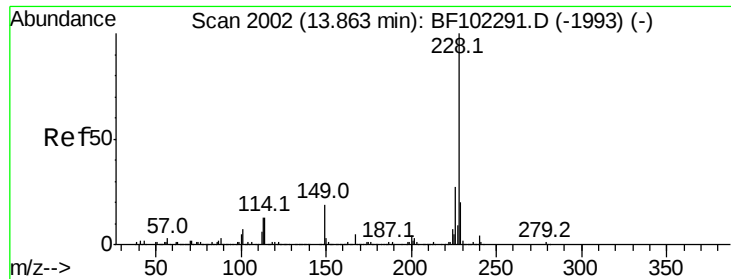


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

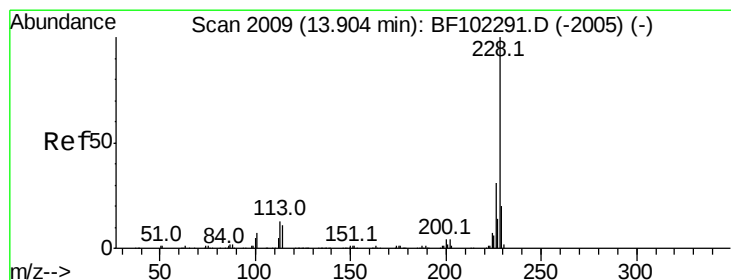
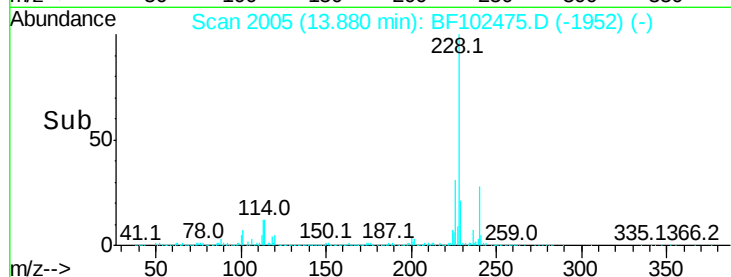
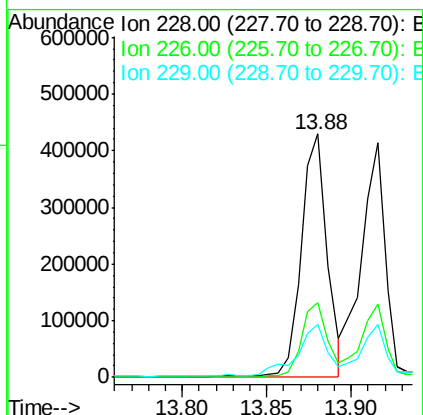
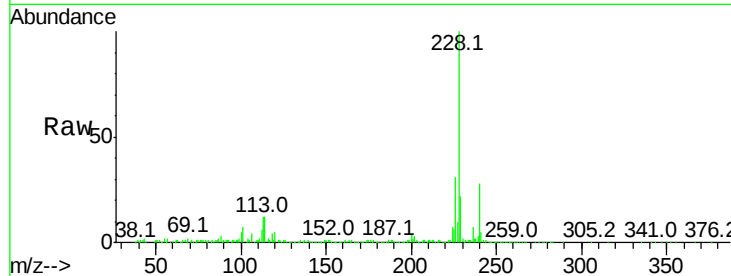




#80
Benzo(a)anthracene
Concen: 24.308 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

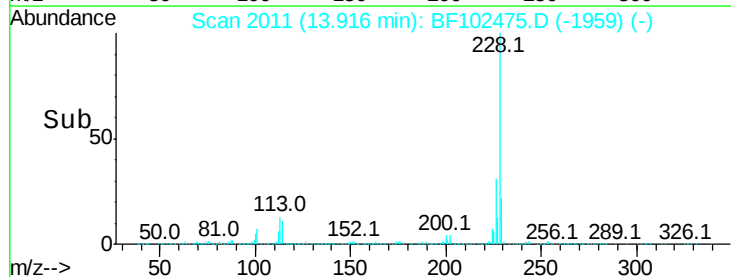
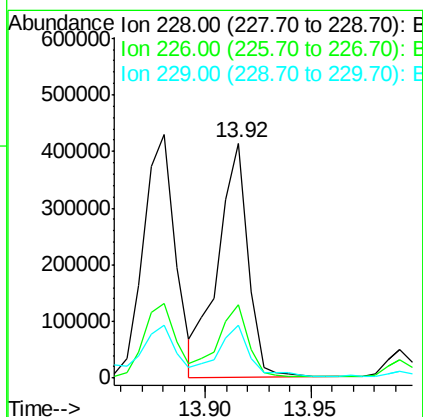
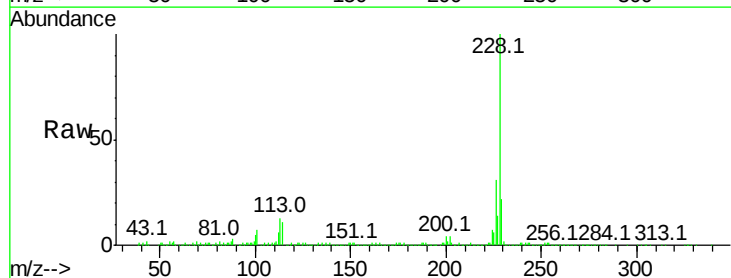
Instrument :
BNA_F
ClientSampleId :

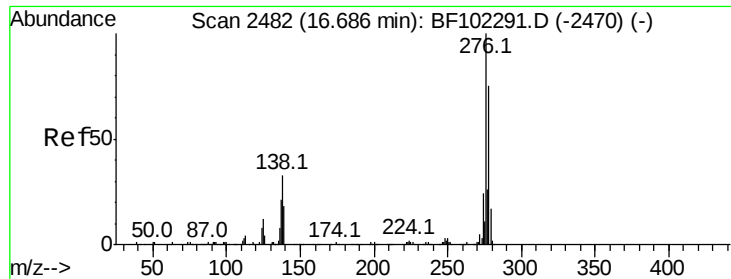
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	21.5	15.8	23.6



#82
Chrysene
Concen: 21.781 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.2	16.2	24.4

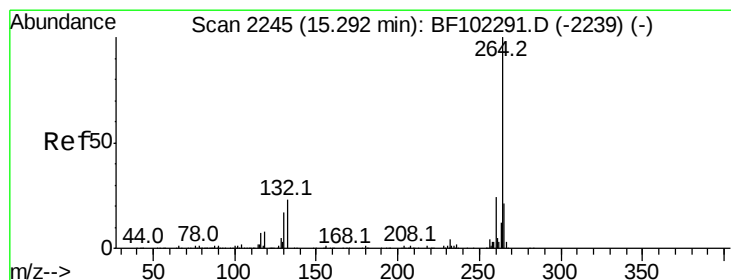
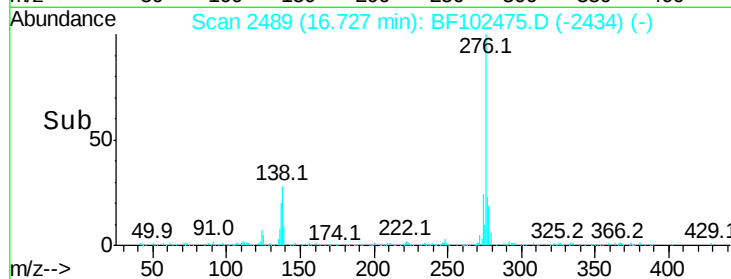
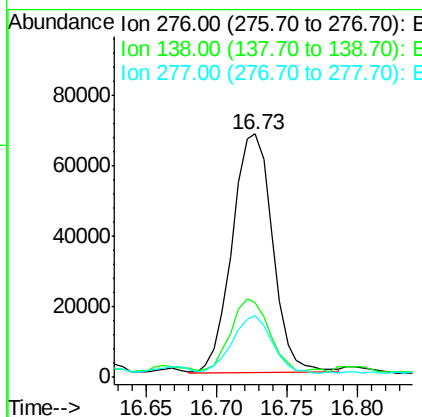
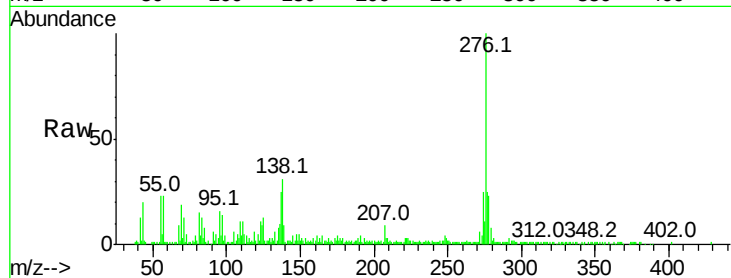




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.740 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.02 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

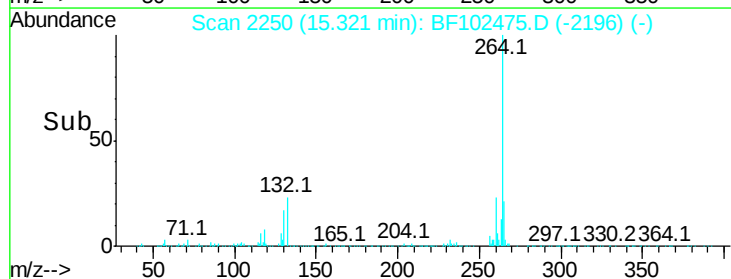
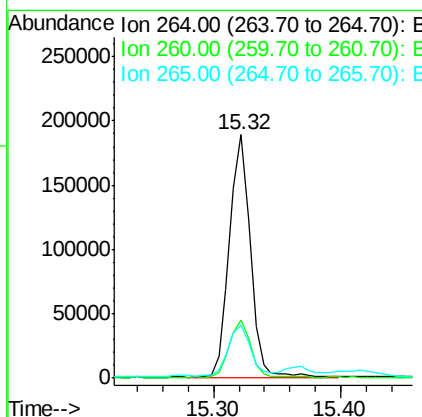
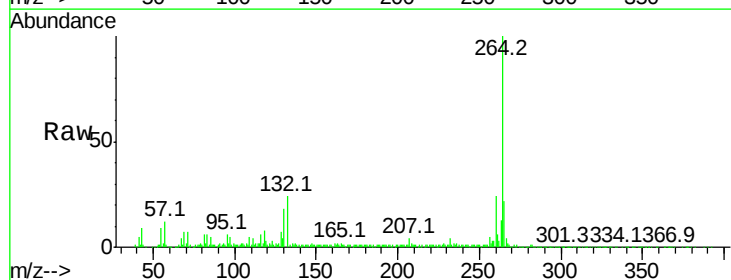
Instrument :
 BNA_F
 ClientSampleId :

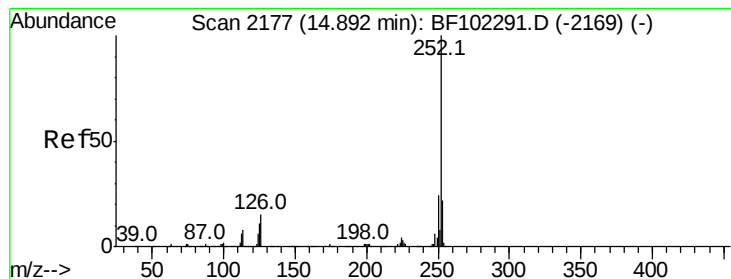
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	23.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.02 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 38.136 ng

RT: 14.92 min Scan# 2181

Delta R.T. 0.02 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

ClientSampleId :

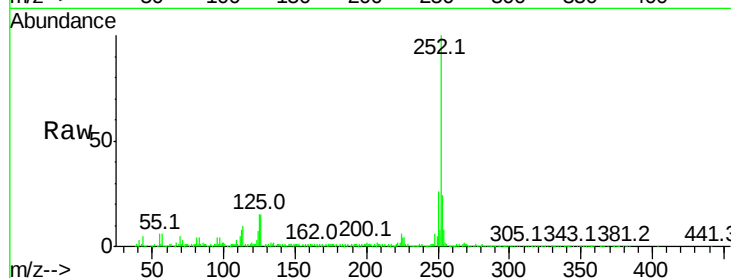
Tot Ion:252 Resp: 534264

Ion Ratio Lower Upper

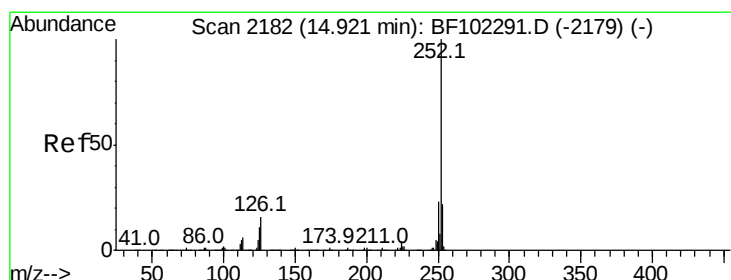
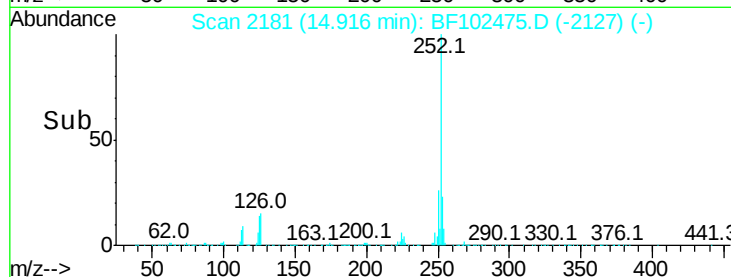
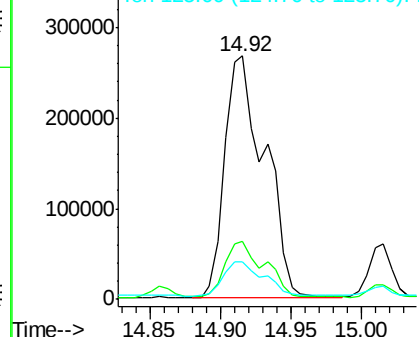
252 100

253 23.7 17.0 25.6

125 15.2 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: 40.365 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

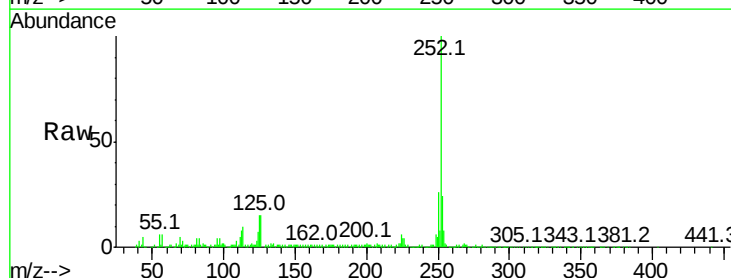
Tgt Ion:252 Resp: 534264

Ion Ratio Lower Upper

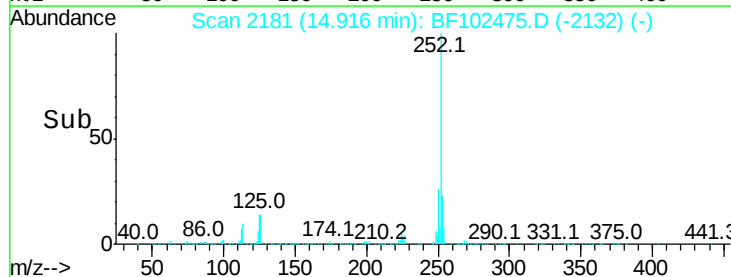
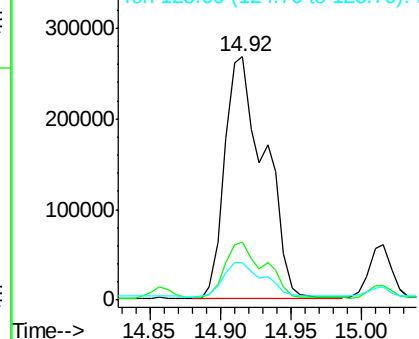
252 100

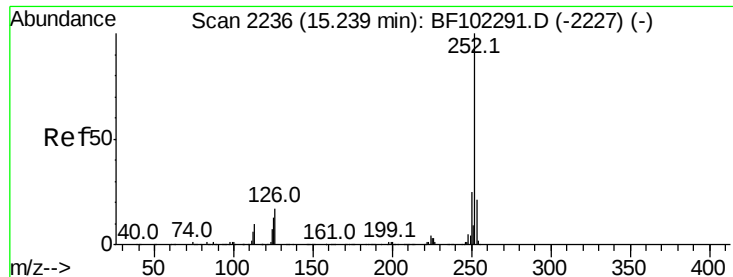
253 23.7 17.9 26.9

125 15.2 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: 22.182 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.02 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

ClientSampleId :

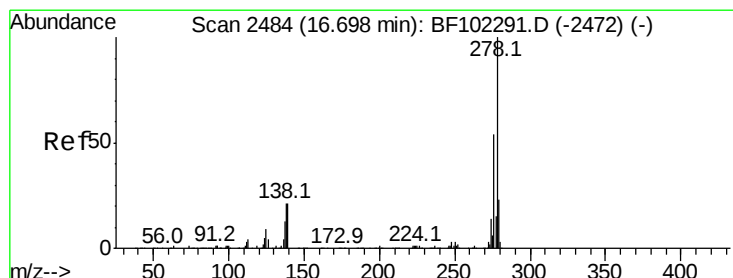
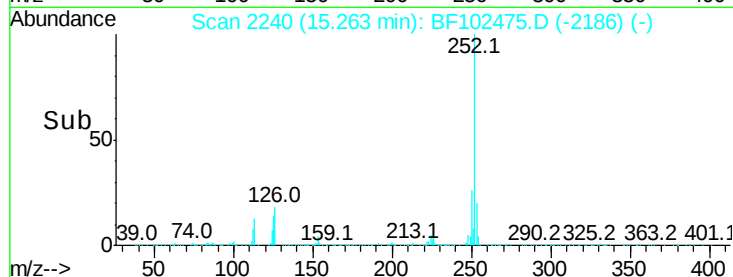
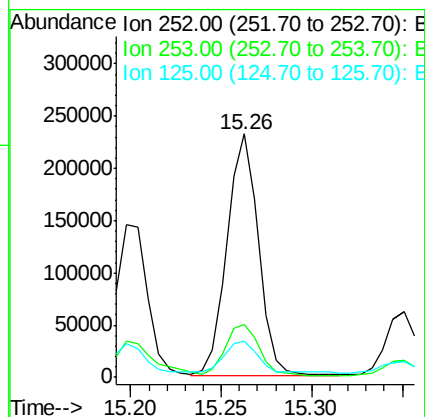
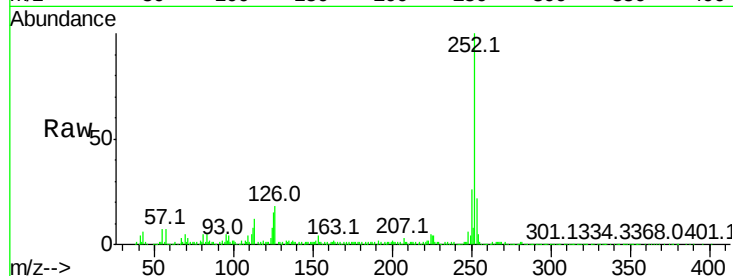
Tot Ion:252 Resp: 280264

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 14.7 9.8 14.6#



#90

Dibenzo(a,h)anthracene

Concen: 3.415 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.02 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

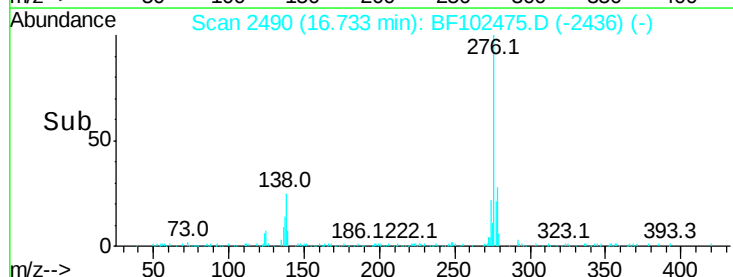
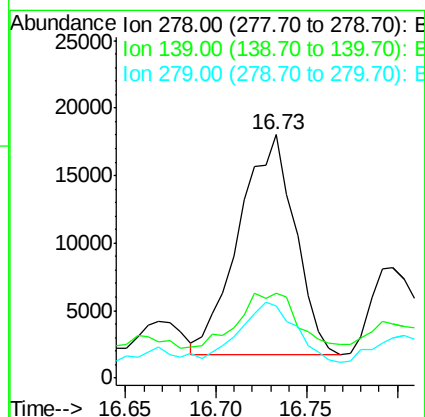
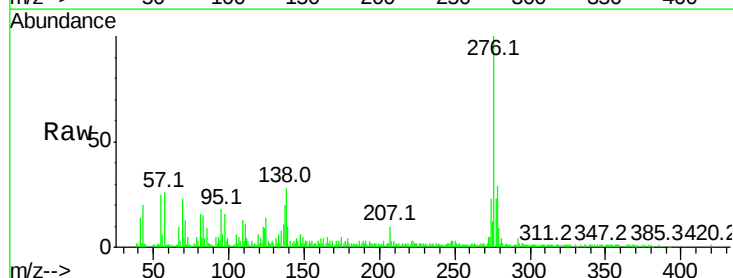
Tgt Ion:278 Resp: 34950

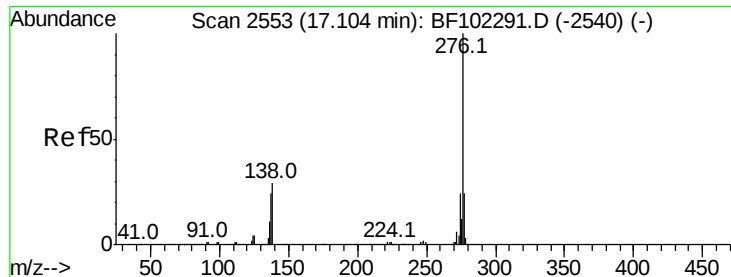
Ion Ratio Lower Upper

278 100

139 35.0 15.9 23.9#

279 29.5 19.0 28.4#

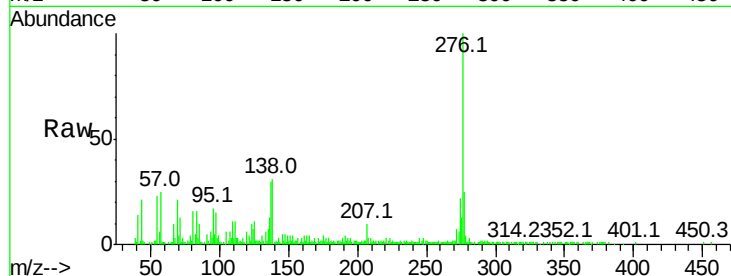




#91
 Benzo(a,h,i)perylene
 Concen: 12.890 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. 0.02 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	30.6	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

