

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102595.D
 Acq On : 29 Jan 2018 14:09
 Operator : SJ/JU
 Sample : J1253-15 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 00:06:27 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	6.72	152	176965	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	701468	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	281630	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	400147	20.00	ng	0.00
75) Chrysene-d12	13.89	240	294823	20.00	ng	0.01
86) Perylene-d12	15.33	264	237065	20.00	ng	0.02

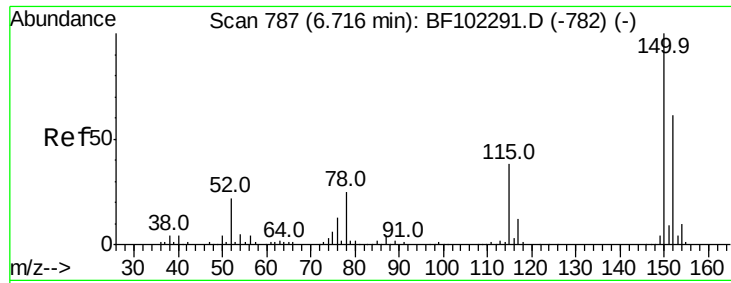
System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	636831	54.56	ng	0.00
7) Phenol-d6	6.36	99	760323	54.04	ng	0.00
23) Nitrobenzene-d5	7.28	82	426042	34.90	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	105845	37.93	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	710725	37.11	ng	0.00
78) Terphenyl-d14	12.82	244	465169	35.57	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.37	94	34870	2.270	ng	91
19) n-Nitroso-di-n-propylamine	7.28	70	56683	6.583	ng	# 80
25) Isophorone	7.28	82	426038	19.578	ng	# 64
31) Naphthalene	8.02	128	112911	3.224	ng	100
37) 2-Methylnaphthalene	8.71	142	52370	2.245	ng	99
49) Dimethylphthalate	9.47	163	139368	5.987	ng	99
51) Acenaphthene	9.79	154	122254	6.864	ng	99
54) Dibenzofuran	9.96	168	109009	4.523	ng	98
57) Fluorene	10.30	166	168446	8.819	ng	97
70) Phenanthrene	11.27	178	1476390	63.317	ng	99
71) Anthracene	11.32	178	419027	17.606	ng	100
72) Carbazole	11.47	167	165286	7.119	ng	98
74) Fluoranthene	12.46	202	1456411	61.250	ng	99
77) Pyrene	12.69	202	1478327	64.854	ng	100
80) Benzo(a)anthracene	13.88	228	674237	37.145	ng	99
82) Chrysene	13.92	228	592525	32.146	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	206618	13.573	ng	97
87) Benzo(b)fluoranthene	14.92	252	774792	50.425	ng	# 93
88) Benzo(k)fluoranthene	14.92	252	774792	53.372	ng	# 95
89) Benzo(a)pyrene	15.27	252	427972	30.883	ng	# 95
90) Dibenzo(a,h)anthracene	16.74	278	55743	4.966	ng	# 66
91) Benzo(g,h,i)perylene	17.17	276	212028	19.129	ng	95

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

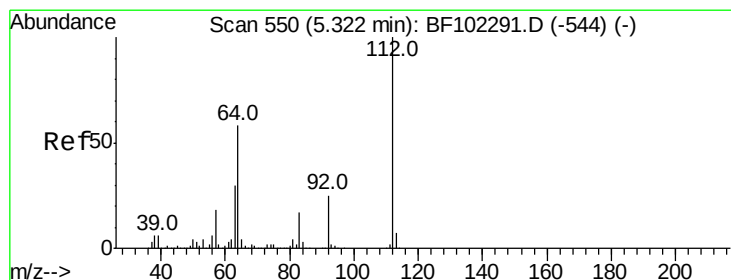
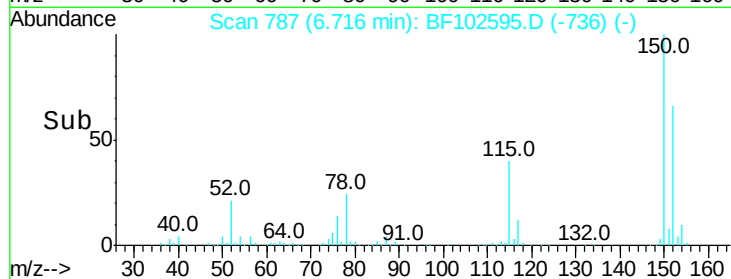
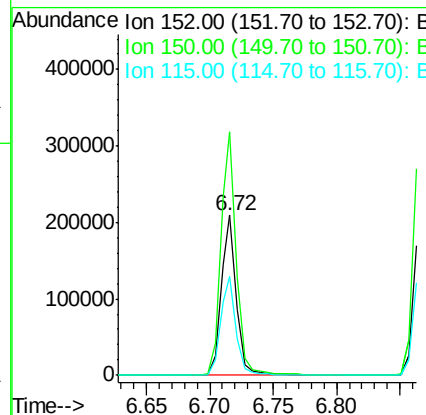
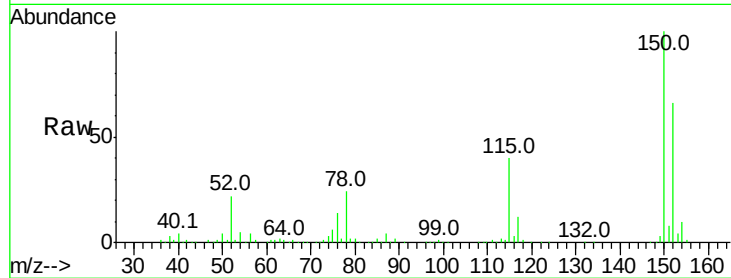


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Instrument :
BNA_F
ClientSampleId :

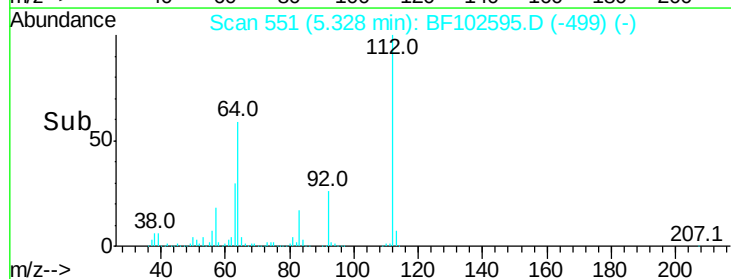
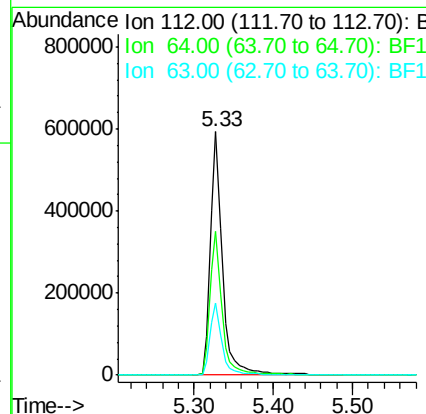
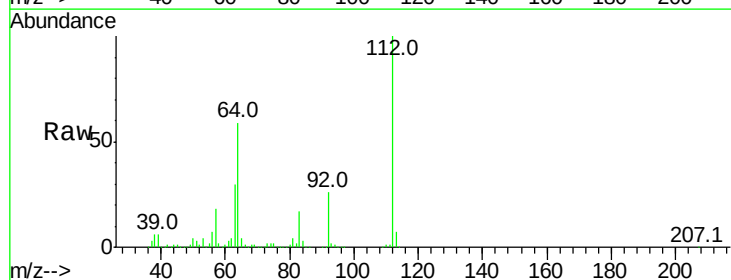
Tot Ion:152 Resp: 176965
Ion Ratio Lower Upper
152 100
150 151.8 124.6 186.8
115 61.5 50.1 75.1

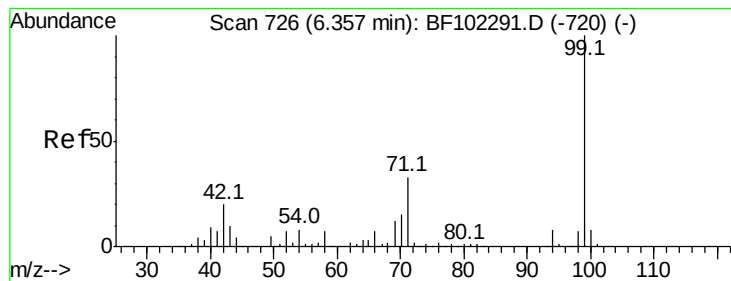


#5

2-Fluorophenol
Concen: 54.565 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion:112 Resp: 636831
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 29.8 23.7 35.5





#7

Phenol-d6

Concen: 54.036 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

ClientSampled :

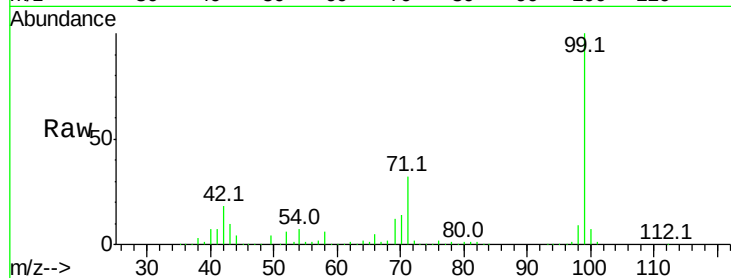
Tot Ion: 99 Resp: 760323

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

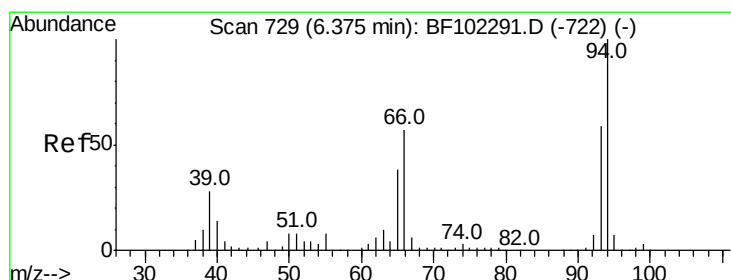
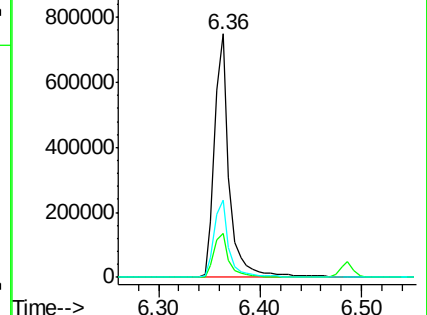
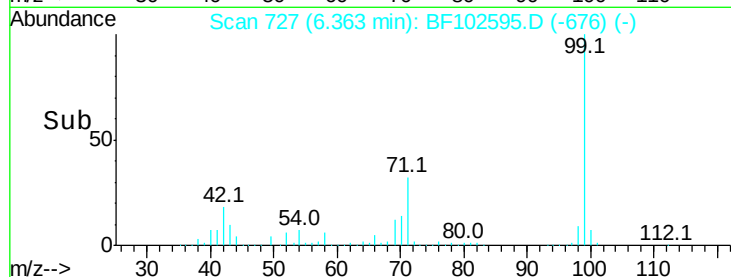
71 31.7 25.4 38.0



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



#10

Phenol

Concen: 2.270 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

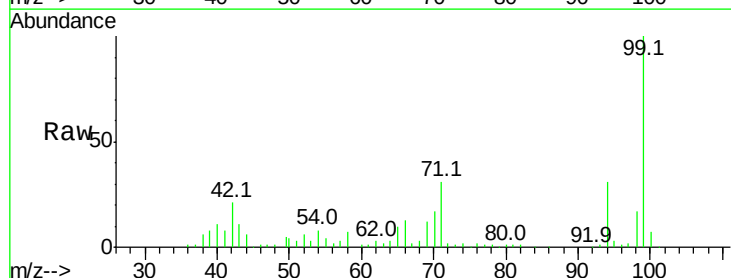
Tgt Ion: 94 Resp: 34870

Ion Ratio Lower Upper

94 100

65 30.5 7.9 47.9

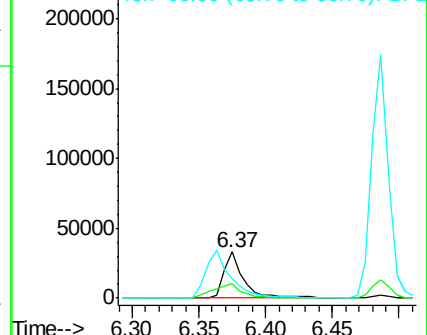
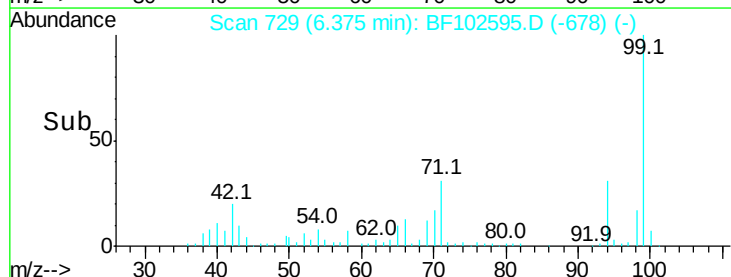
66 43.0 16.2 56.2

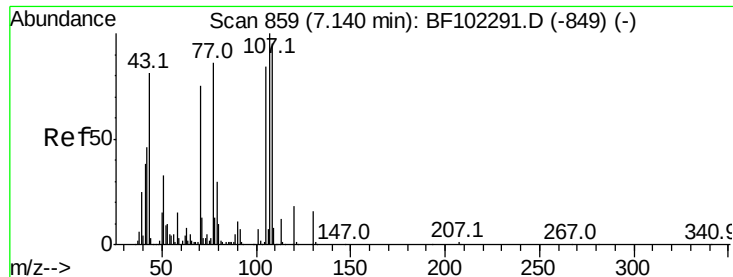


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

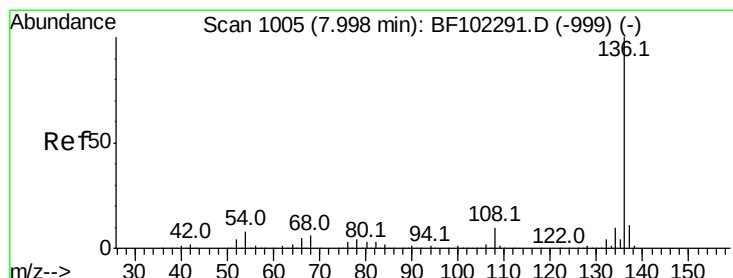
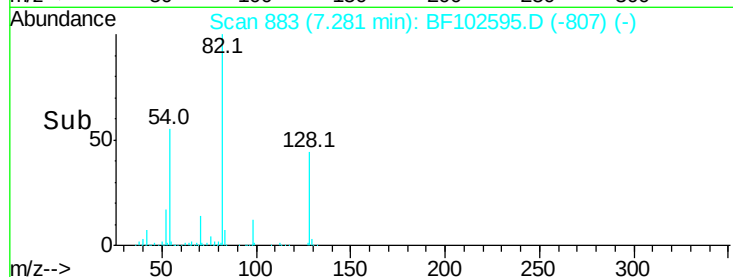
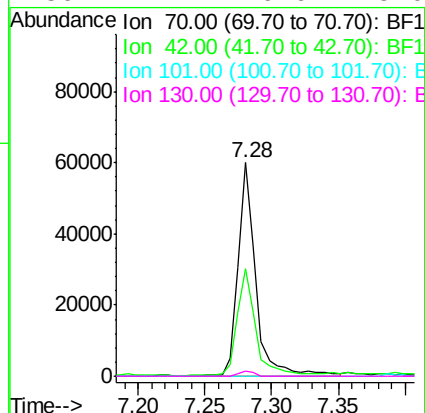
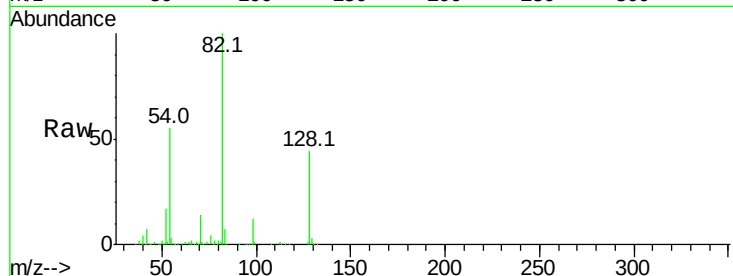




#19
n-Nitroso-di-n-propylamine
Concen: 6.583 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

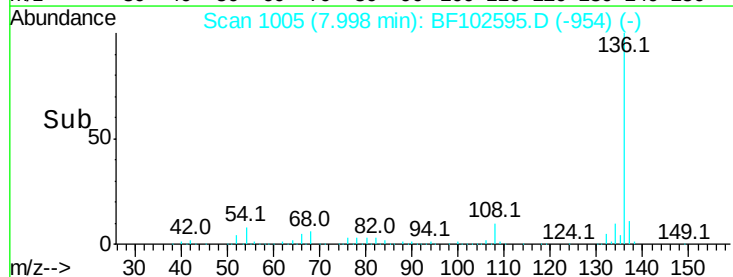
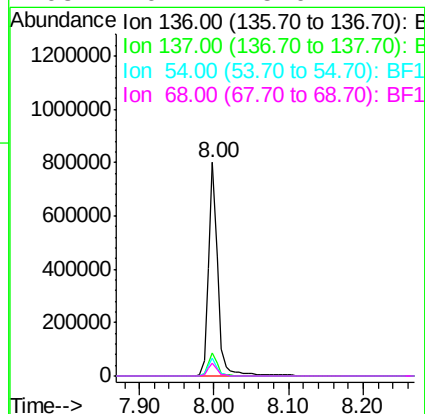
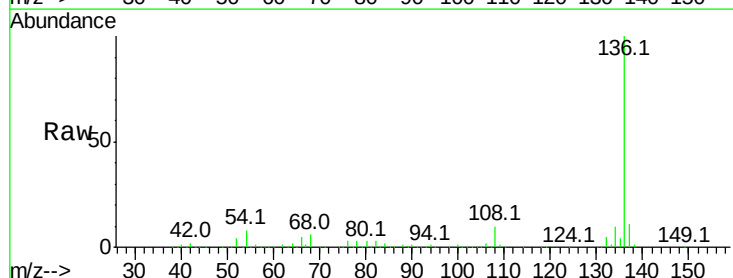
Instrument :
BNA_F
ClientSampleId :

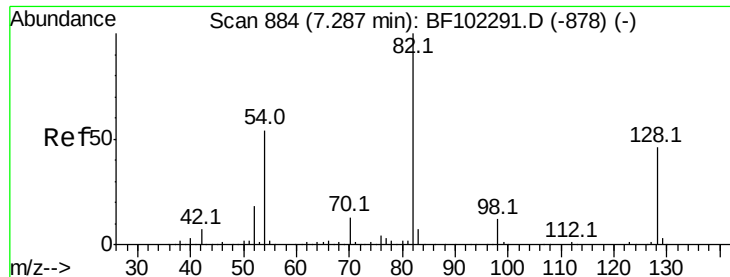
Tot Ion: 70 Resp: 56683
Ion Ratio Lower Upper
70 100
42 50.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion: 136 Resp: 701468
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.4 6.6 9.8
68 6.1 5.0 7.4

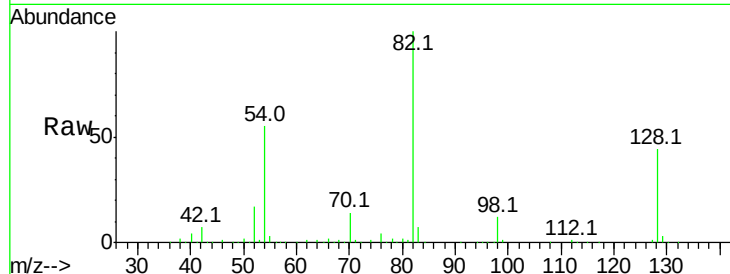




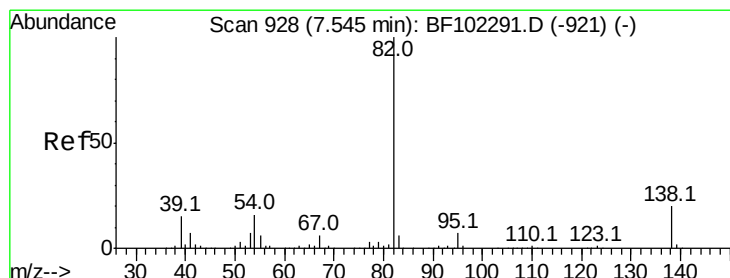
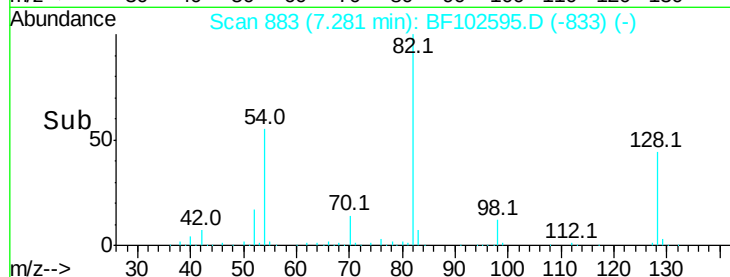
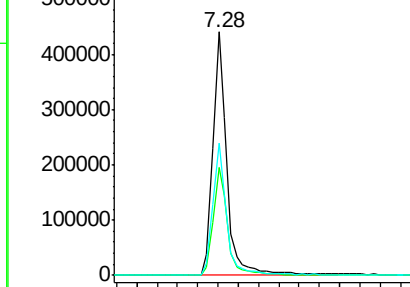
#23
Nitrobenzene-d5
Concen: 34.903 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 426042
Ion Ratio Lower Upper
82 100
128 44.5 36.1 54.1
54 54.5 41.4 62.2

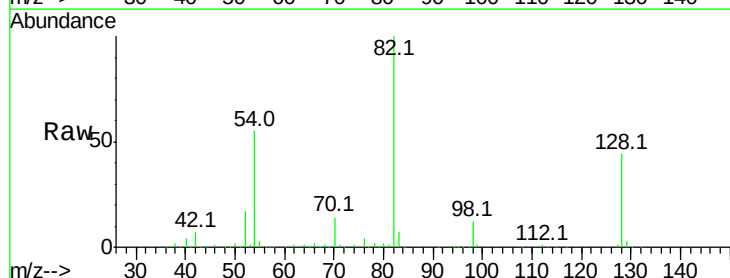


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

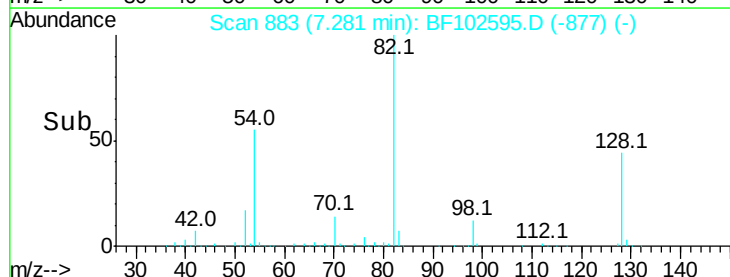
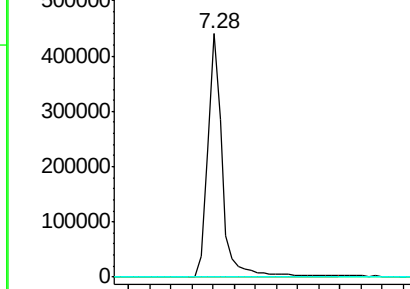


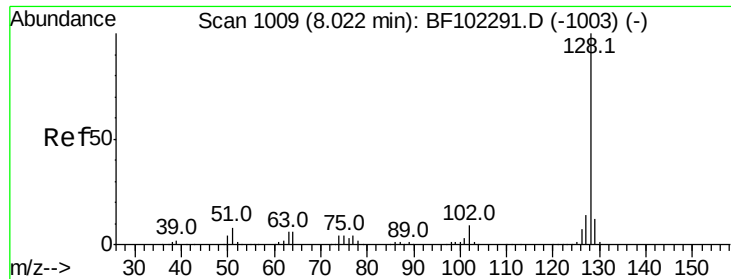
#25
Isophorone
Concen: 19.578 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion: 82 Resp: 426038
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

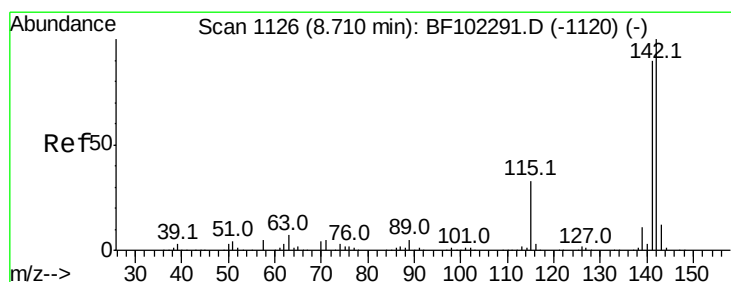
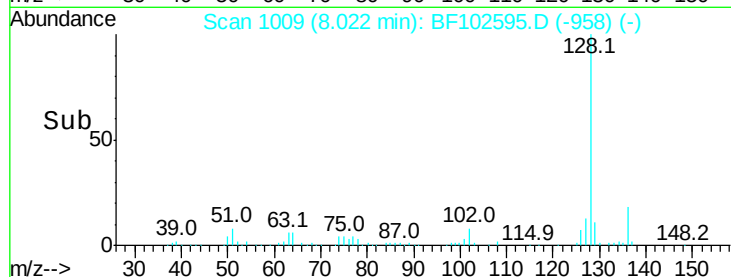
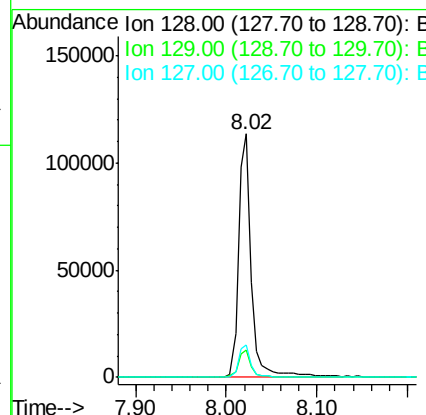
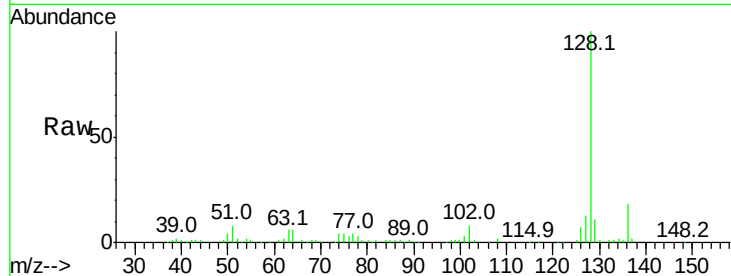




#31
Naphthalene
Concen: 3.224 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

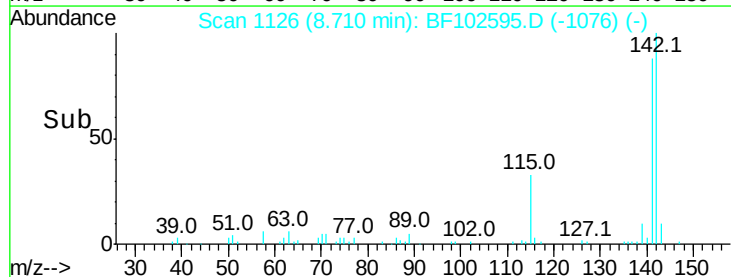
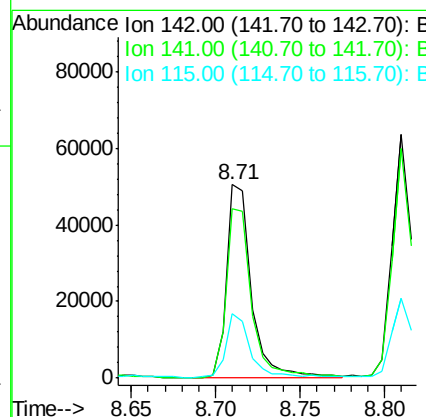
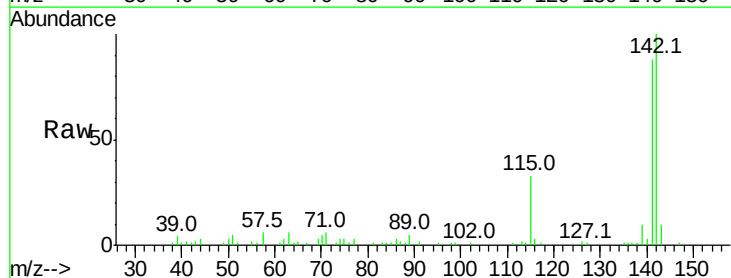
Instrument :
BNA_F
ClientSampleId :

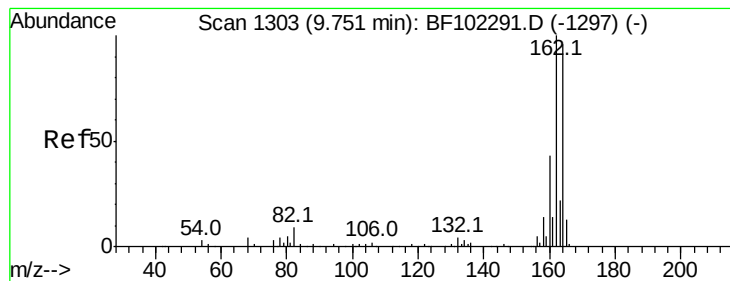
Tot Ion:128 Resp: 112911
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.5 10.9 16.3



#37
2-Methylnaphthalene
Concen: 2.245 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion:142 Resp: 52370
Ion Ratio Lower Upper
142 100
141 87.6 70.8 106.2
115 33.3 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

ClientSampleId :

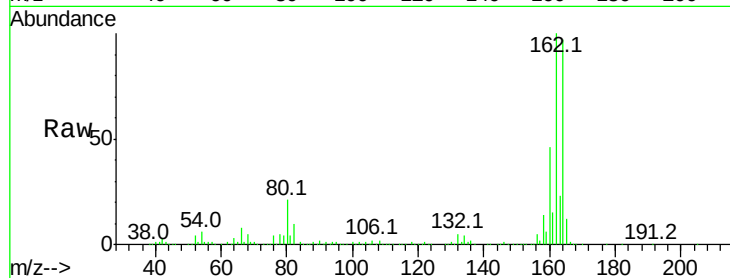
Tot Ion:164 Resp: 281630

Ion Ratio Lower Upper

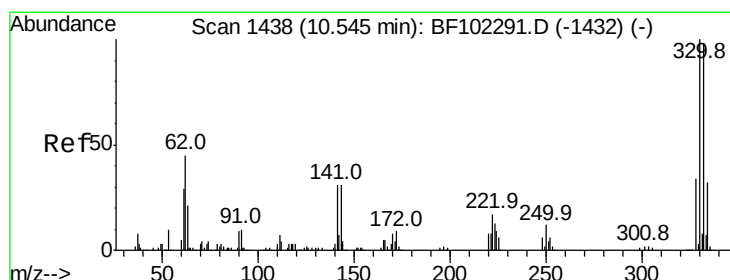
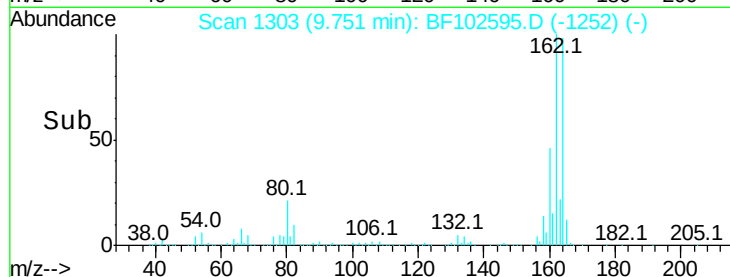
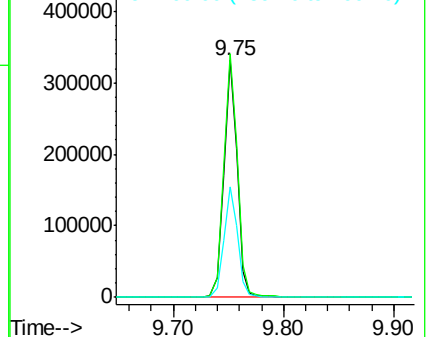
164 100

162 102.7 86.1 129.1

160 46.7 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: 37.930 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

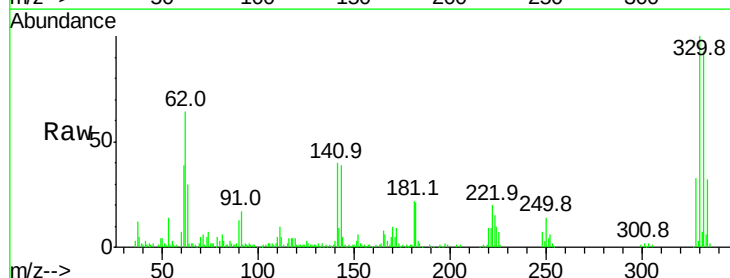
Tgt Ion:330 Resp: 105845

Ion Ratio Lower Upper

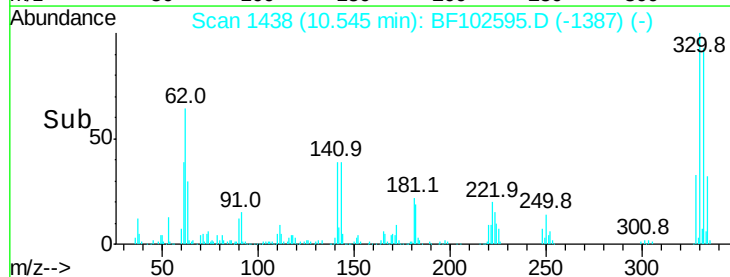
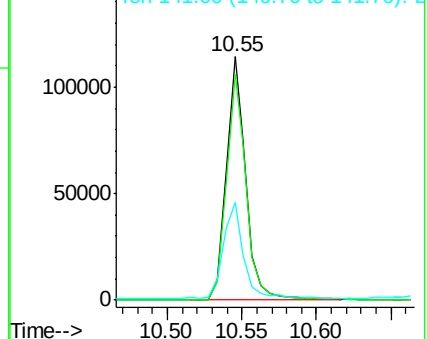
330 100

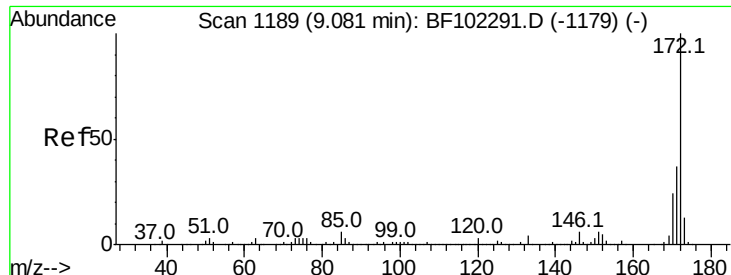
332 94.7 77.0 115.6

141 41.0 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

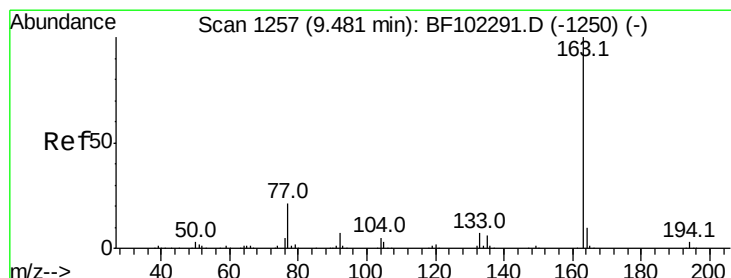
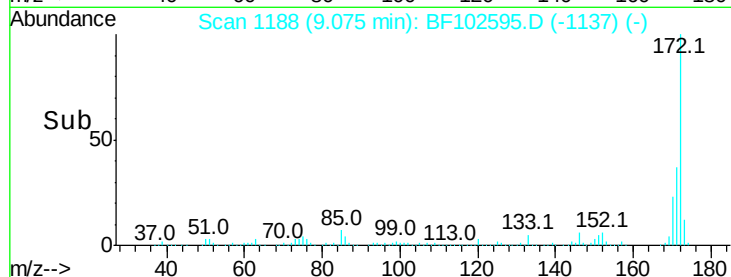
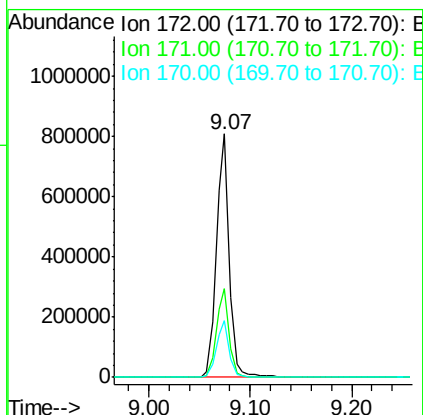
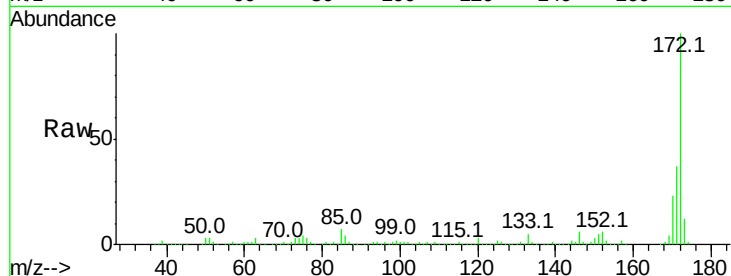




#44
2-Fluorobiphenyl
Concen: 37.106 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

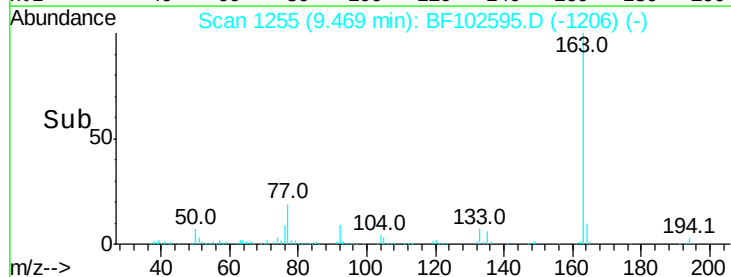
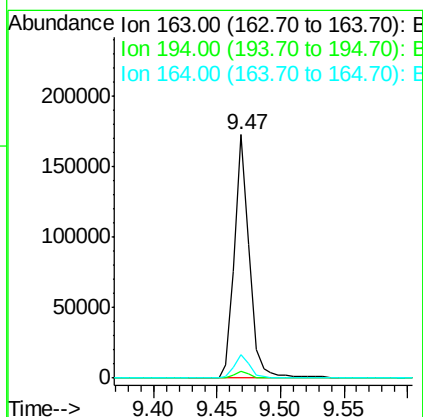
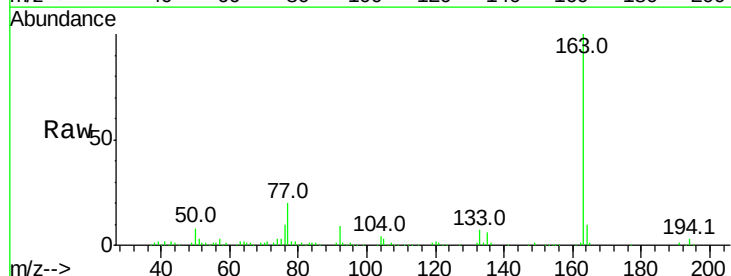
Instrument :
BNA_F
ClientSampled :

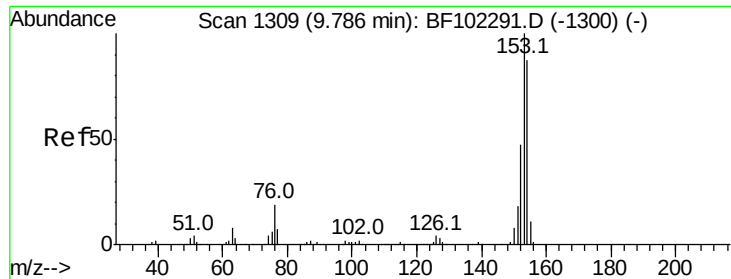
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.1	19.6	29.4



#49
Dimethylphthalate
Concen: 5.987 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.7	4.1
164	9.7	8.2	12.2





#51

Acenaphthene

Concen: 6.864 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

ClientSampleId :

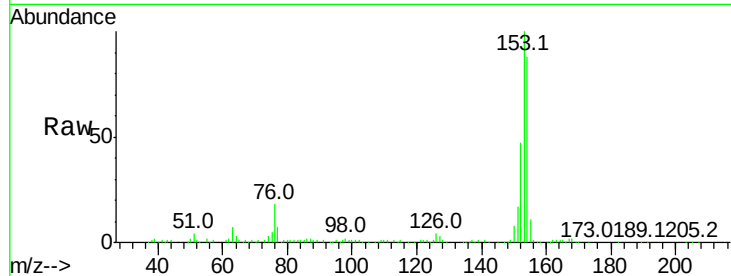
Tot Ion:154 Resp: 122254

Ion Ratio Lower Upper

154 100

153 113.9 91.2 136.8

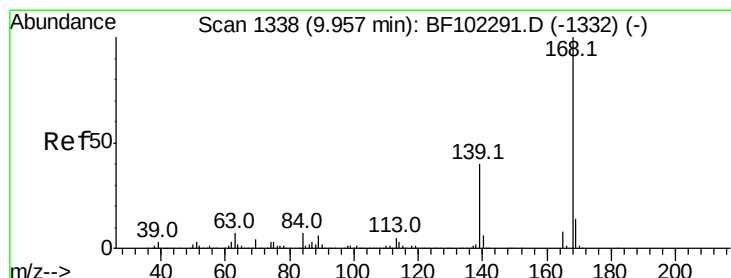
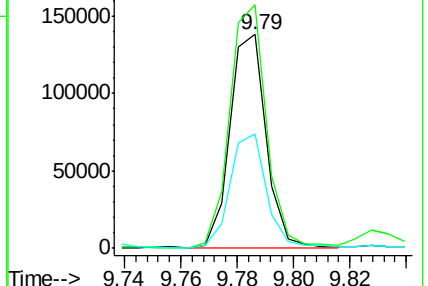
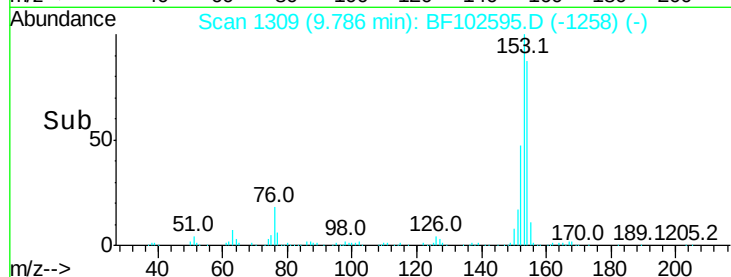
152 53.7 43.8 65.8



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



#54

Dibenzofuran

Concen: 4.523 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

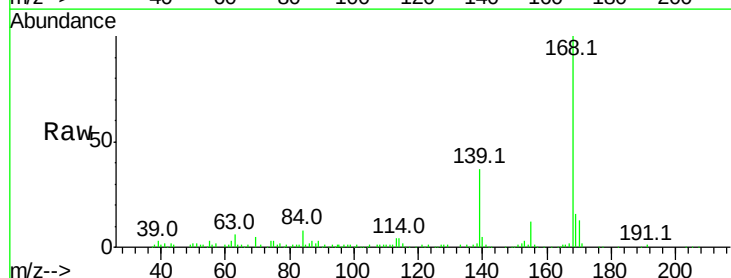
Tgt Ion:168 Resp: 109009

Ion Ratio Lower Upper

168 100

139 36.7 30.1 45.1

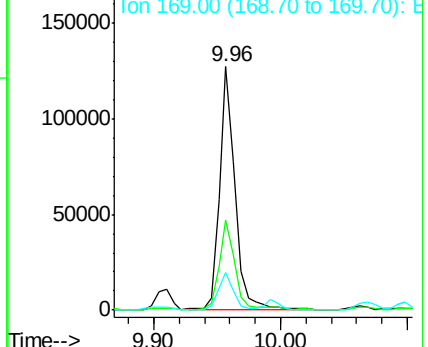
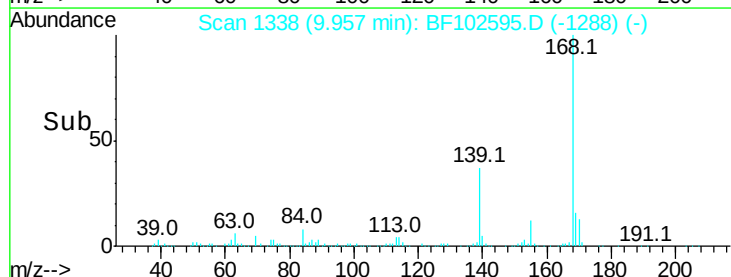
169 15.5 10.9 16.3

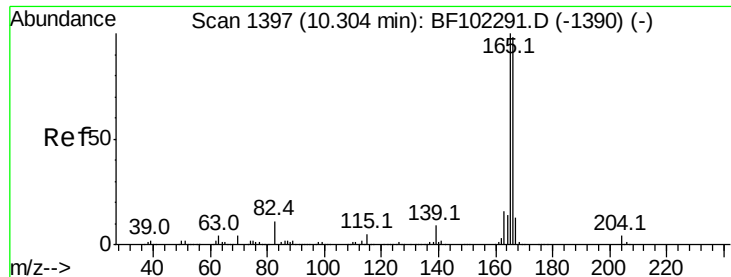


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

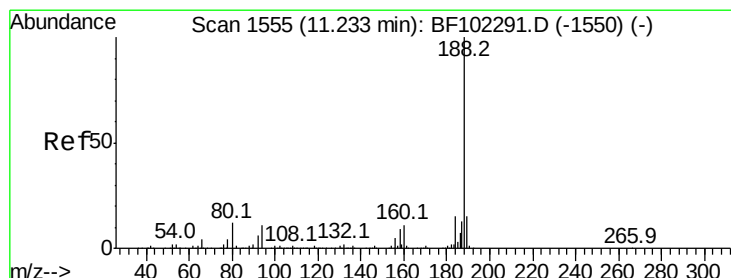
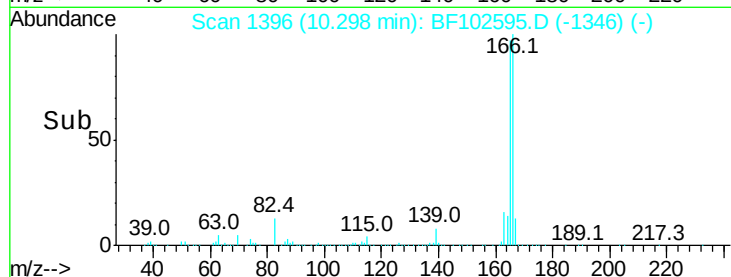
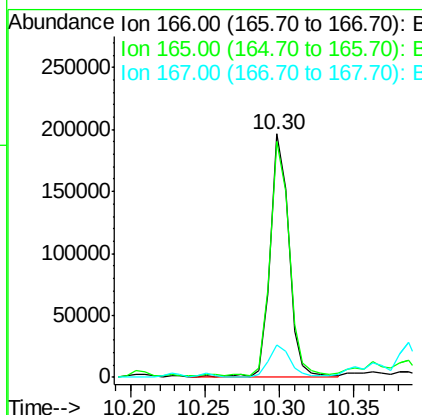
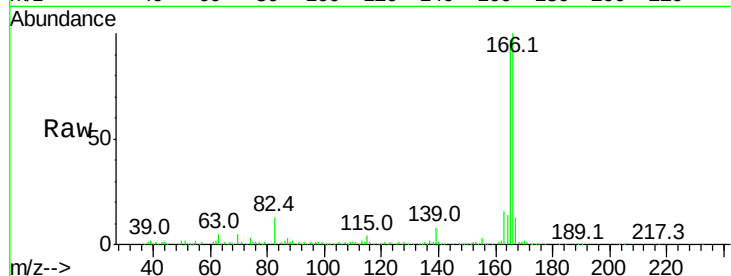




#57
 Fluorene
 Concen: 8.819 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102595.D
 Acq: 29 Jan 2018 14:09

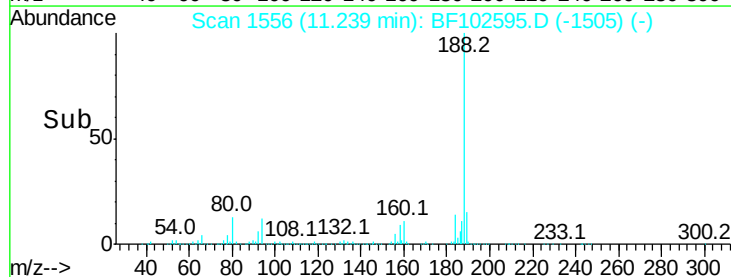
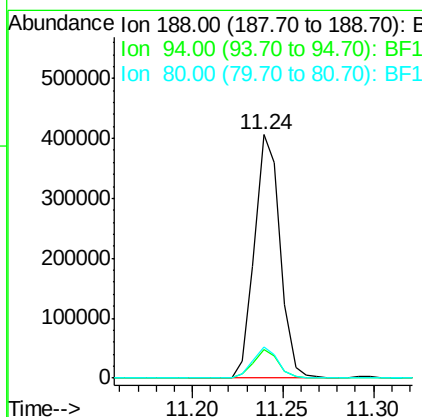
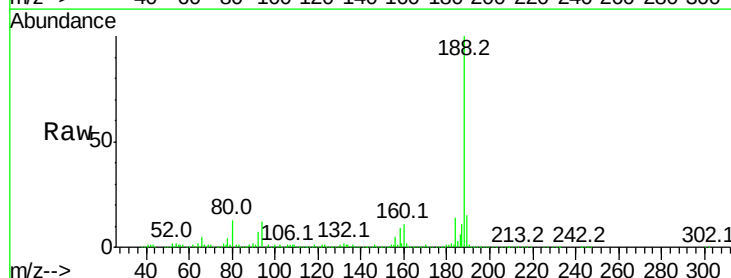
Instrument :
 BNA_F
 ClientSampled :

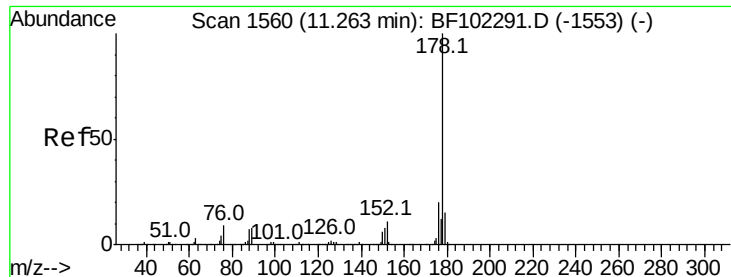
Tot Ion:166 Resp: 168446
 Ion Ratio Lower Upper
 166 100
 165 96.8 79.8 119.8
 167 13.3 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102595.D
 Acq: 29 Jan 2018 14:09

Tgt Ion:188 Resp: 400147
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 13.0 9.2 13.8





#70

Phenanthrene

Concen: 63.317 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

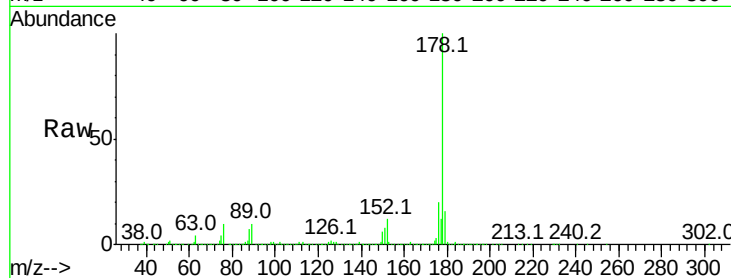
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 1476390

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.7	13.0	19.6



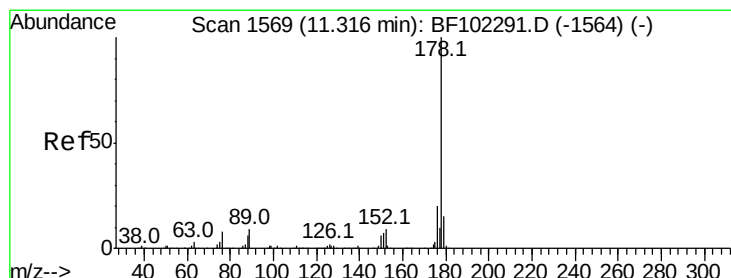
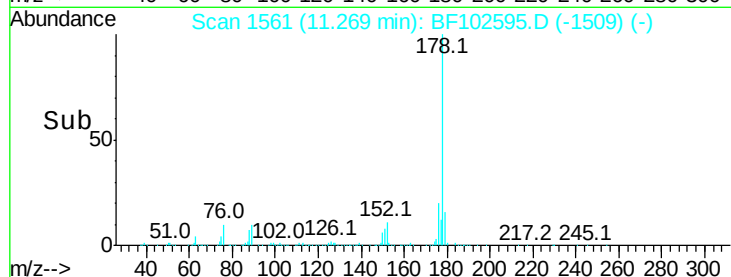
Abundance

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

Time-->



#71

Anthracene

Concen: 17.606 ng

RT: 11.32 min Scan# 1569

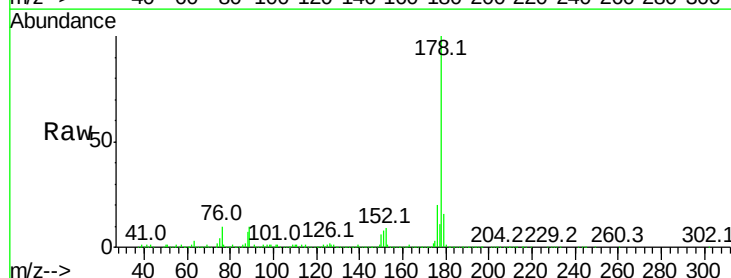
Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Tgt Ion:178 Resp: 419027

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.8	12.6	19.0



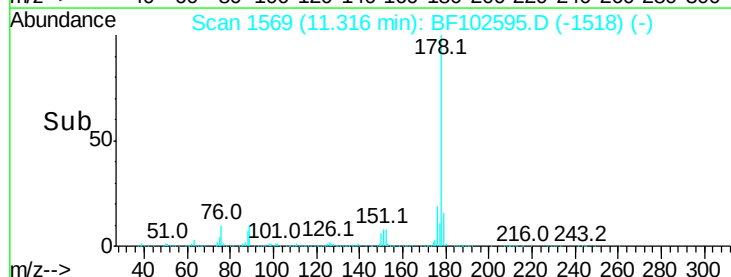
Abundance

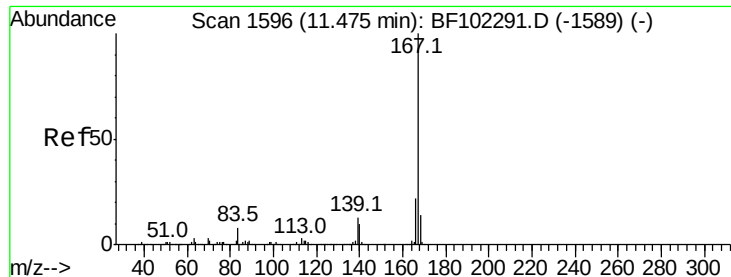
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->

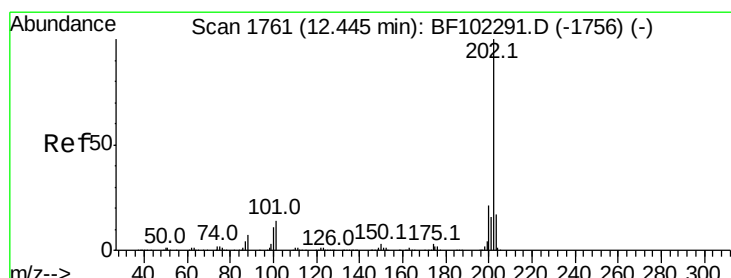
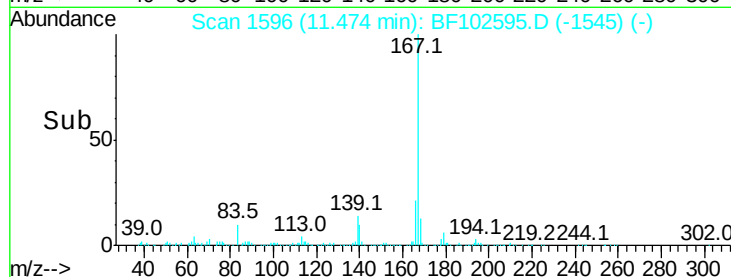
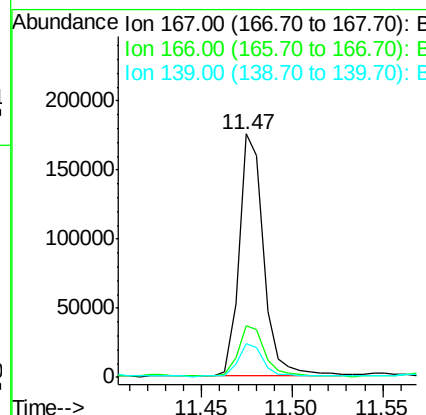
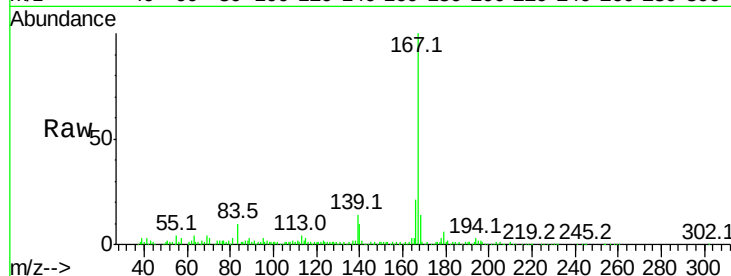




#72
 Carbazole
 Concen: 7.119 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BF102595.D
 Acq: 29 Jan 2018 14:09

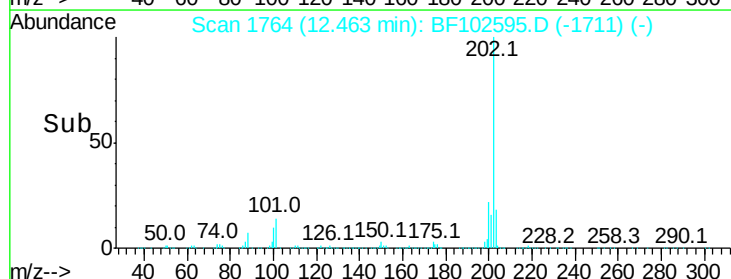
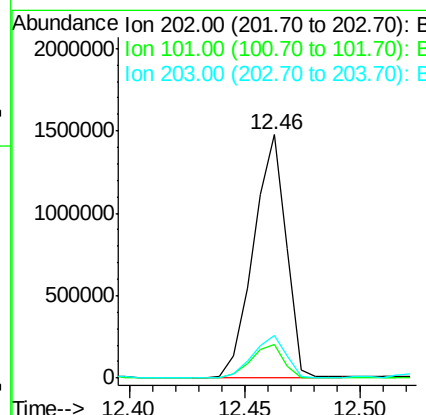
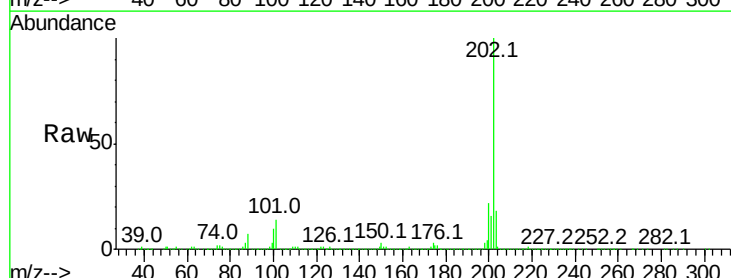
Instrument :
 BNA_F
 ClientSampleId :

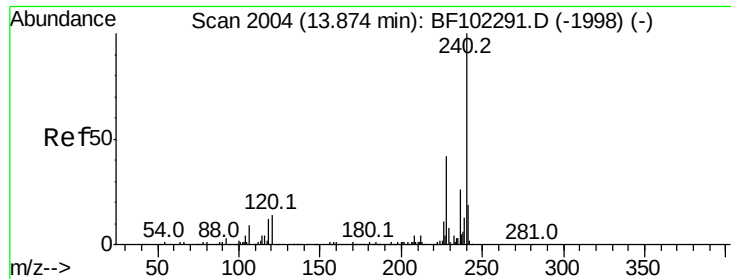
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	13.9	10.9	16.3



#74
 Fluoranthene
 Concen: 61.250 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: BF102595.D
 Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

ClientSampleId :

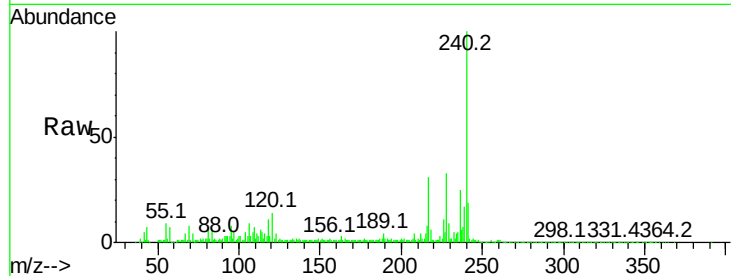
Tot Ion:240 Resp: 294823

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

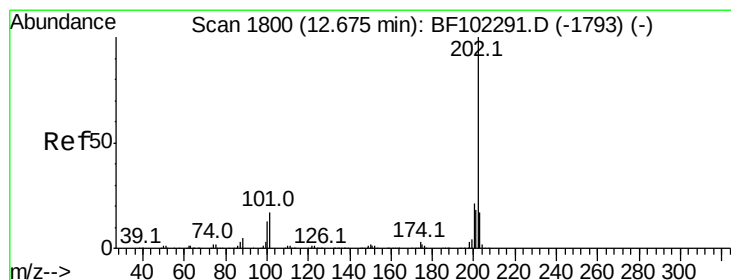
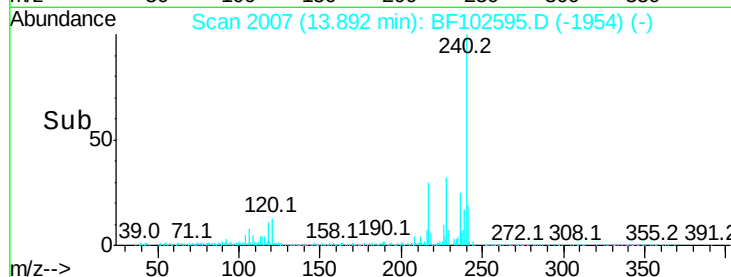
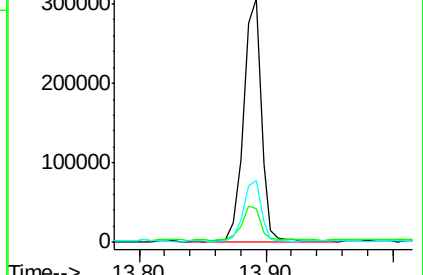
236 25.5 20.7 31.1



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

Pyrene

Concen: 64.854 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

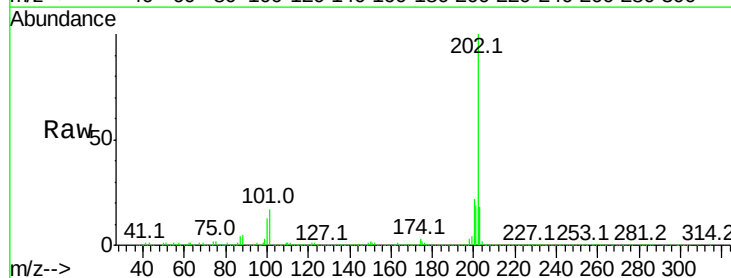
Tgt Ion:202 Resp: 1478327

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

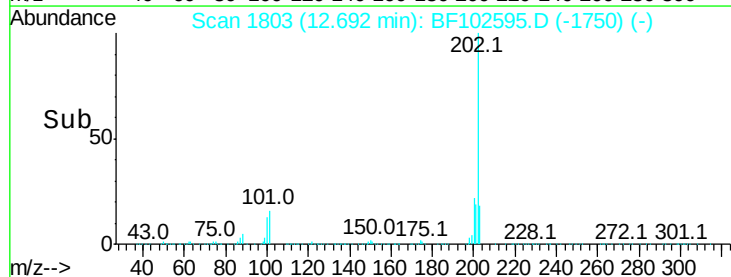
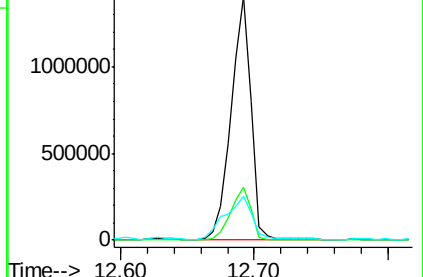
203 18.3 14.3 21.5

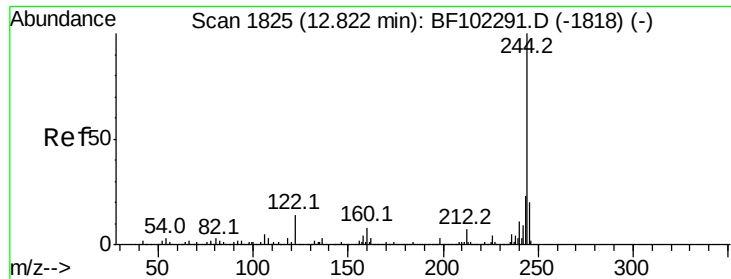


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.569 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

ClientSampleId :

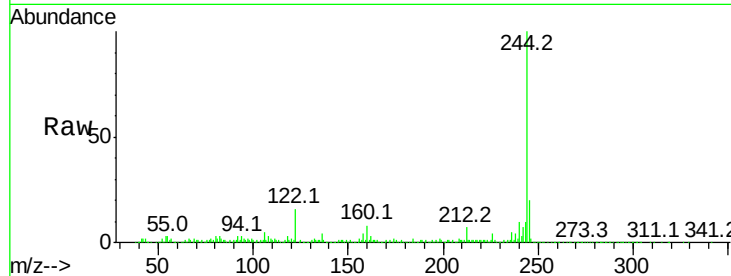
Tot Ion:244 Resp: 465169

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	15.5	11.0	16.4

244 100

212 6.8 5.4 8.0

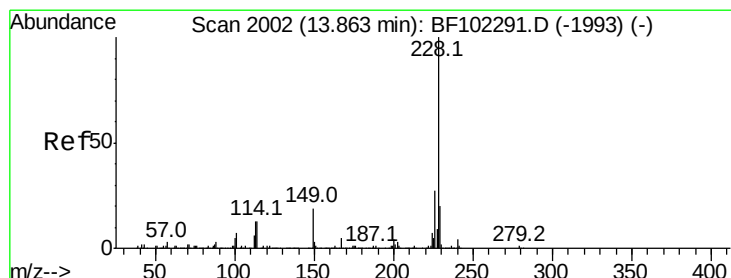
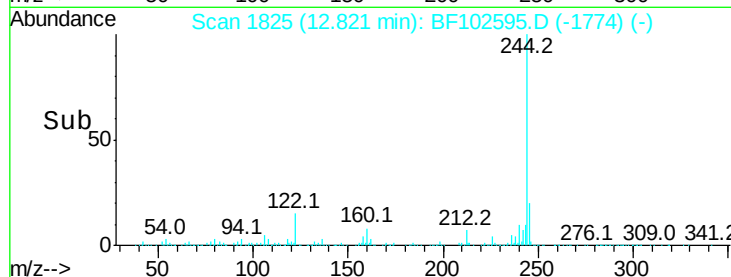
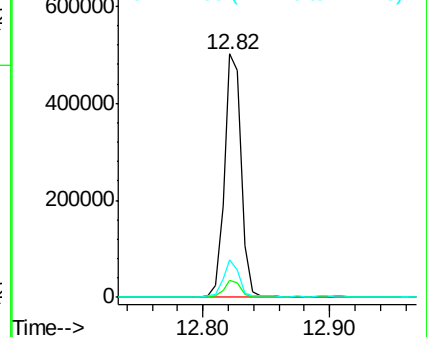
122 15.5 11.0 16.4



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: 37.145 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

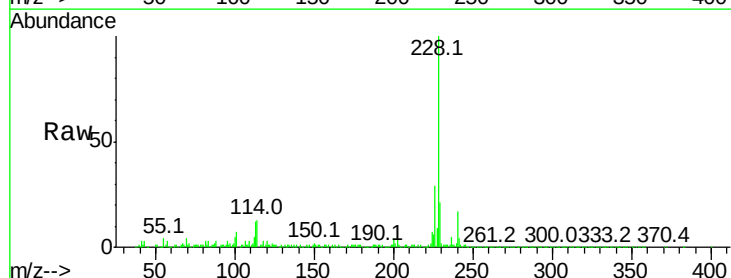
Tgt Ion:228 Resp: 674237

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.6	15.8	23.6

228 100

226 28.7 22.6 33.8

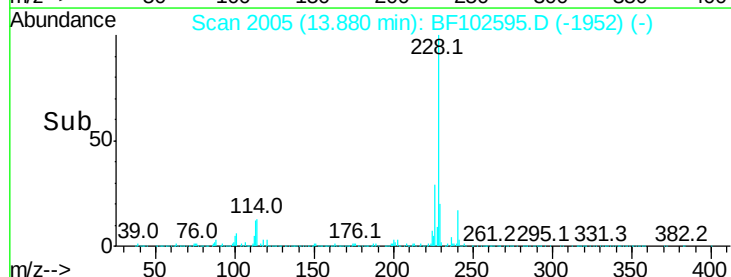
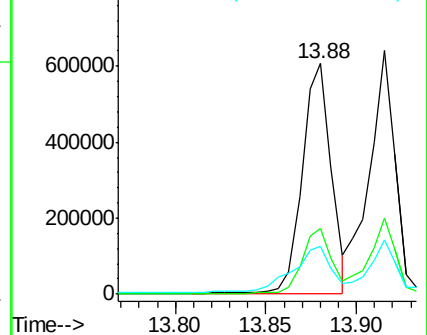
229 20.6 15.8 23.6

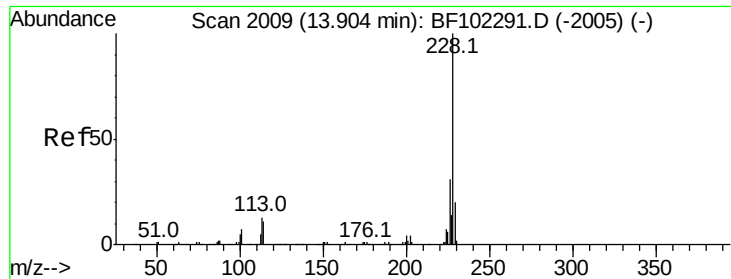


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 32.146 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

ClientSampleId :

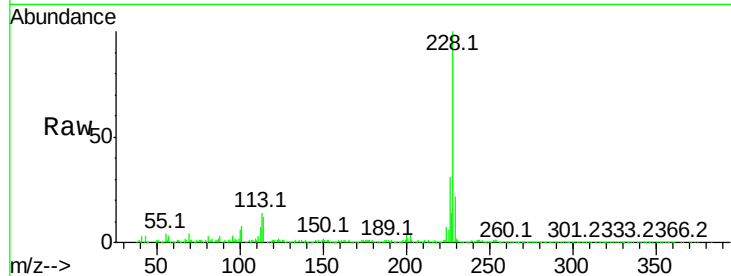
Tot Ion:228 Resp: 592525

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

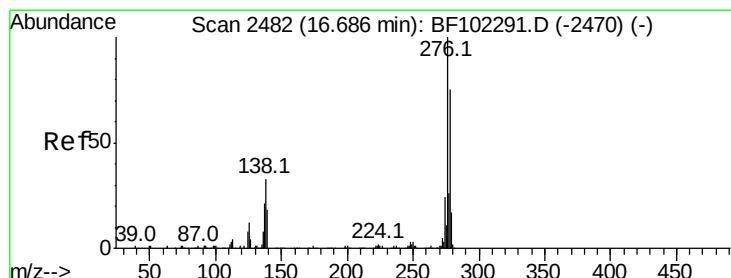
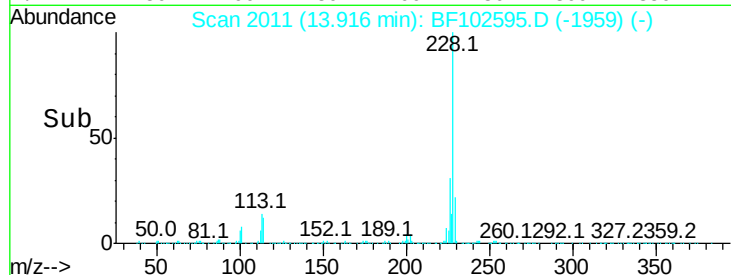
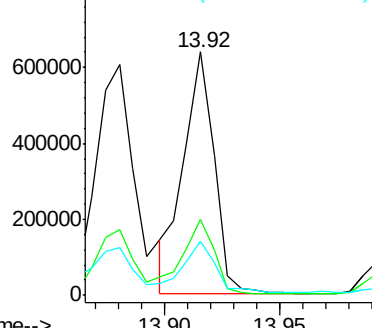
229 22.4 16.2 24.4



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: 13.573 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.04 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

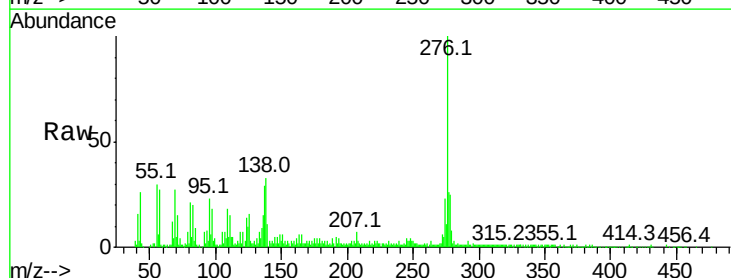
Tgt Ion:276 Resp: 206618

Ion Ratio Lower Upper

276 100

138 28.6 25.0 37.6

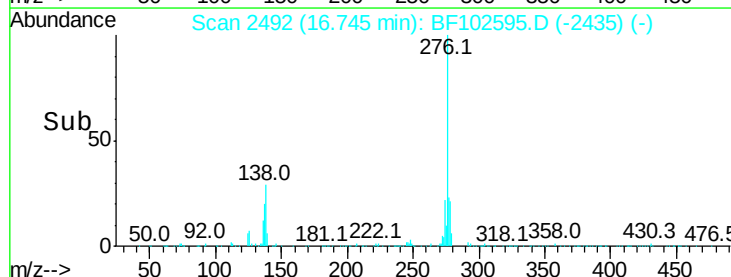
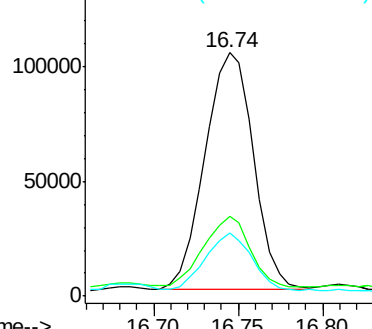
277 25.2 20.1 30.1

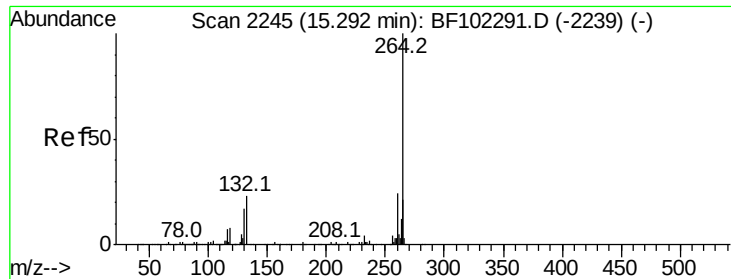


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

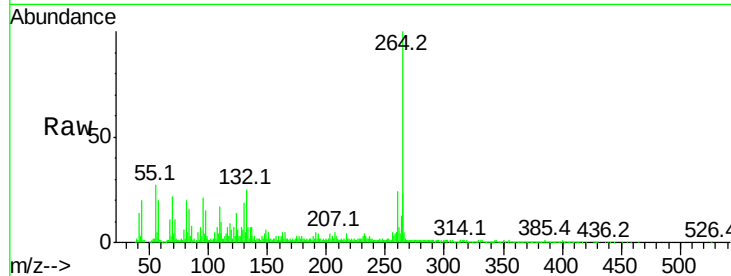




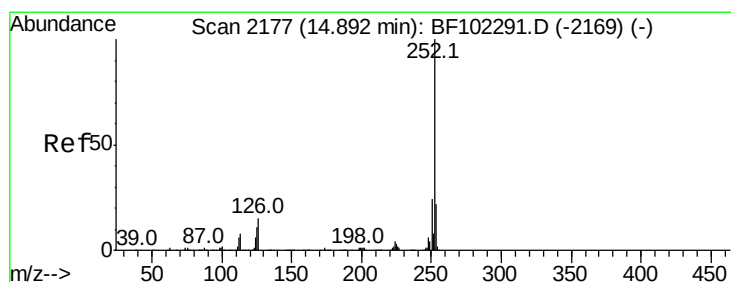
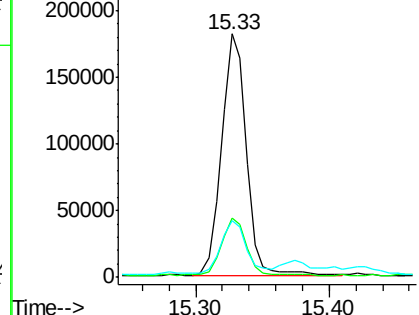
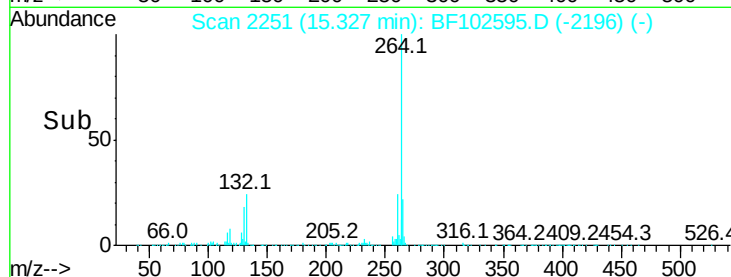
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.3	17.5	26.3

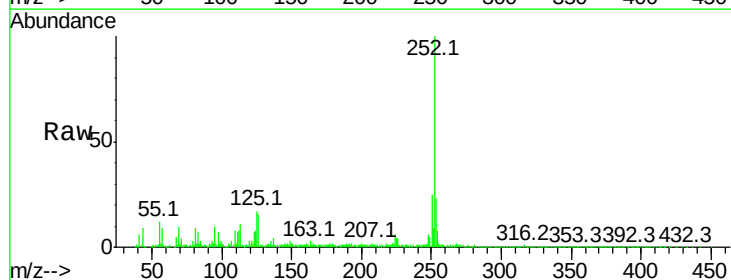


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

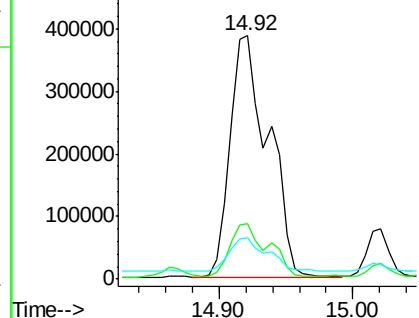
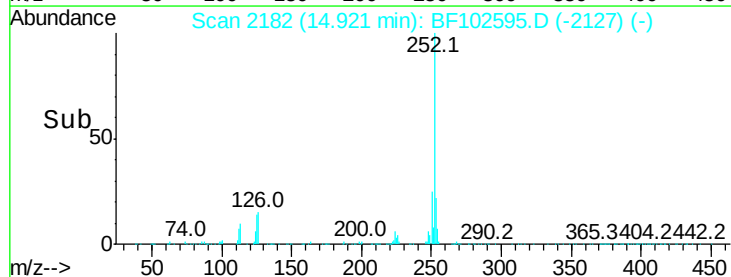


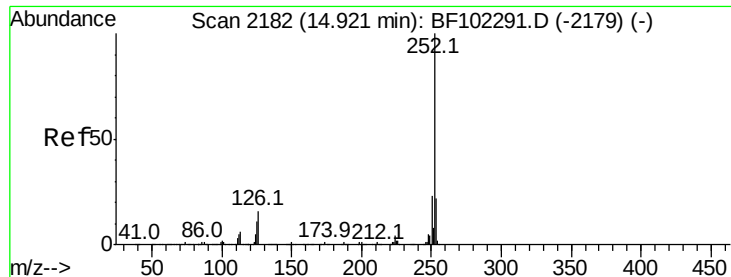
#87
Benzo(b)fluoranthene
Concen: 50.425 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	16.9	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

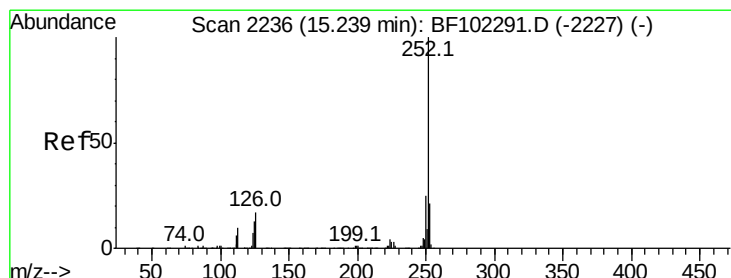
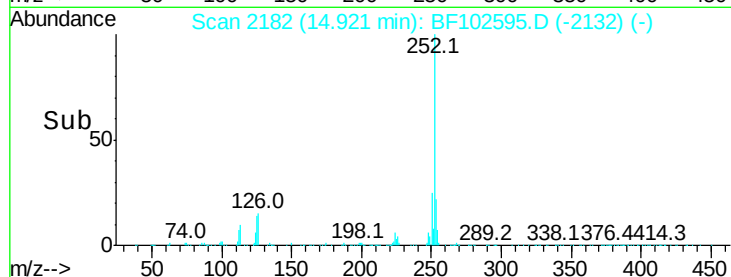
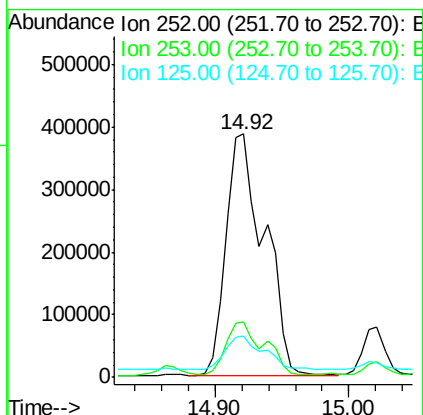
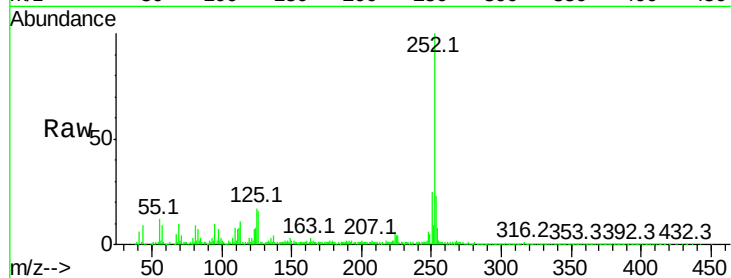




#88
Benzo(k)fluoranthene
Concen: 53.372 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

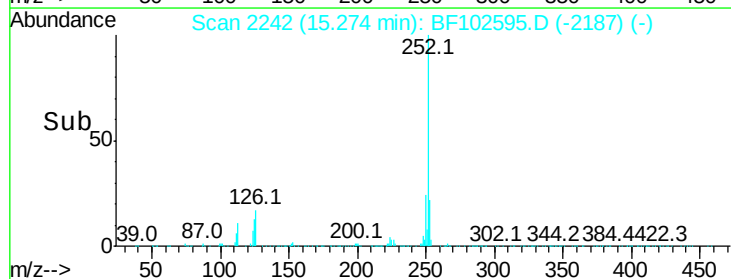
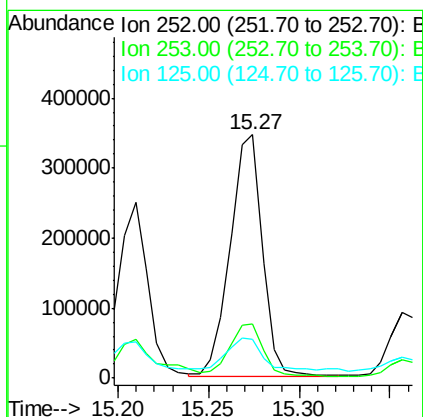
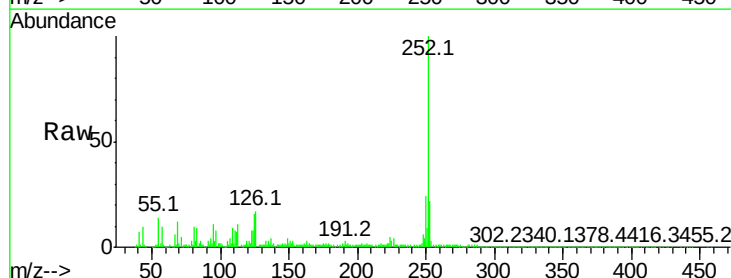
Instrument :
BNA_F
ClientSampled :

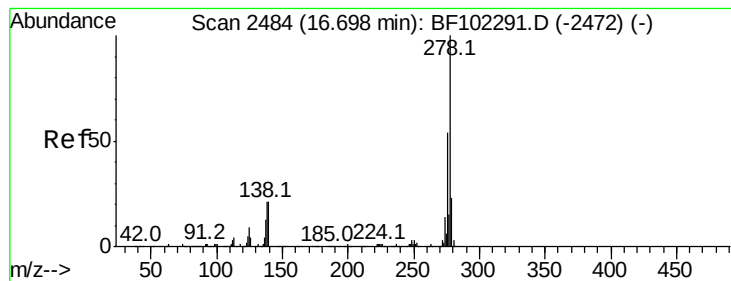
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	16.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 30.883 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.7	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.966 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.02 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

ClientSampleId :

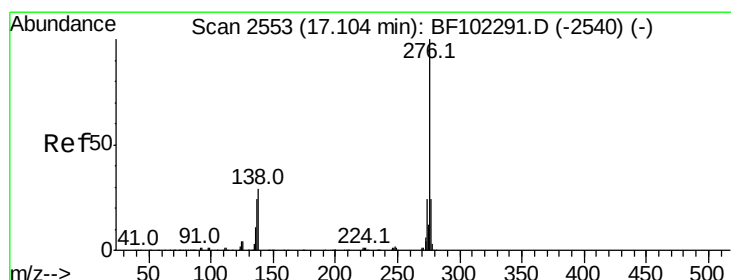
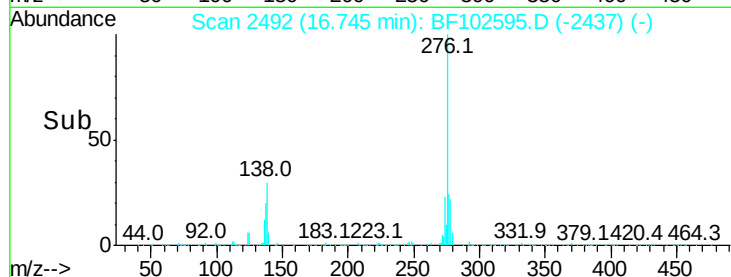
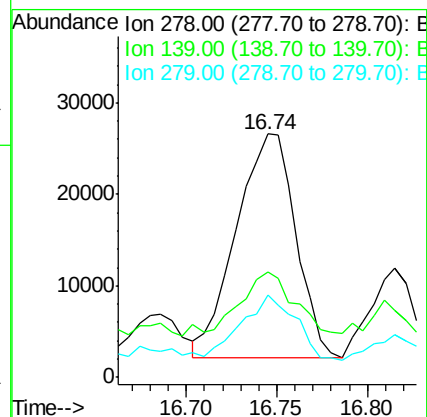
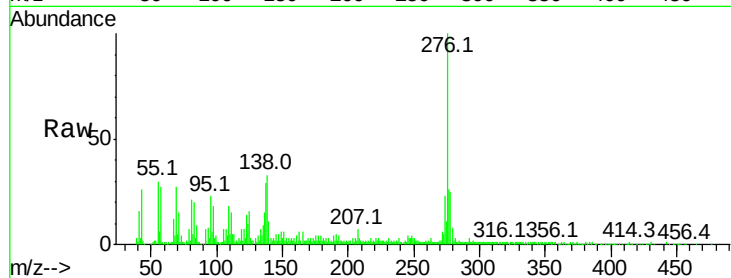
Tot Ion:278 Resp: 55743

Ion Ratio Lower Upper

278 100

139 43.3 15.9 23.9#

279 33.8 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 19.129 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.04 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Tgt Ion:276 Resp: 212028

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 29.6 21.8 32.8

