

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102918.D
 Acq On : 12 Feb 2018 14:12
 Operator : SJ/JU
 Sample : J1525-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 00:06:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	191265	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	781376	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	319408	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	460455	20.00	ng	0.00
75) Chrysene-d12	14.05	240	351998	20.00	ng	0.00
86) Perylene-d12	15.54	264	347668	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1102164	87.51	ng	0.02
7) Phenol-d6	6.52	99	1287026	84.87	ng	0.01
23) Nitrobenzene-d5	7.45	82	854910	75.90	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	205307	79.86	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1163280	60.43	ng	0.00
78) Terphenyl-d14	13.00	244	724388	48.73	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.52	94	98453	6.06	ng	88
19) n-Nitroso-di-n-propylamine	7.45	70	115304	11.53	ng	# 83
24) Nitrobenzene	7.49	77	840	Below	Cal	# 8
25) Isophorone	7.45	82	855044	32.97	ng	# 64
32) Benzoic acid	7.94	122	335	8.58	ng	# 59
47) 2-Nitroaniline	9.45	65	260	3.51	ng	# 2
49) Dimethylphthalate	9.63	163	158677	6.37	ng	98
55) 4-Nitrophenol	10.02	139	277	4.08	ng	# 47
56) 2,4-Dinitrotoluene	10.23	165	2063	3.38	ng	# 69
64) 4,6-Dinitro-2-methylphenol	10.71	198	288	8.93	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	13270	2.72	ng	# 1
70) Phenanthrene	11.43	178	82091	3.20	ng	97
74) Fluoranthene	12.63	202	154483	5.99	ng	98
77) Pyrene	12.86	202	169259	6.13	ng	98
80) Benzo(a)anthracene	14.08	228	99267	4.48	ng	98
82) Chrysene	14.08	228	99267	4.45	ng	96
83) Bis(2-ethylhexyl)phthalate	14.02	149	83225	4.92	ng	98
85) Indeno(1,2,3-cd)pyrene	17.03	276	50919	2.75	ng	99
87) Benzo(b)fluoranthene	15.10	252	182005	8.07	ng	# 93
88) Benzo(k)fluoranthene	15.10	252	182005	8.45	ng	# 95
89) Benzo(a)pyrene	15.47	252	87292	4.30	ng	# 95
91) Benzo(g,h,i)perylene	17.50	276	51014	3.16	ng	92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

Instrument :

BNA_F

ClientSampleId :

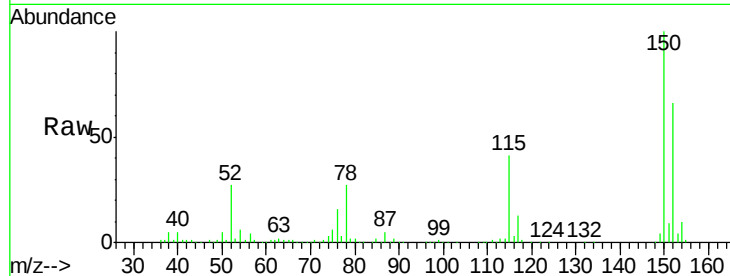
Tot Ion:152 Resp: 191265

Ion Ratio Lower Upper

152 100

150 152.2 124.6 186.8

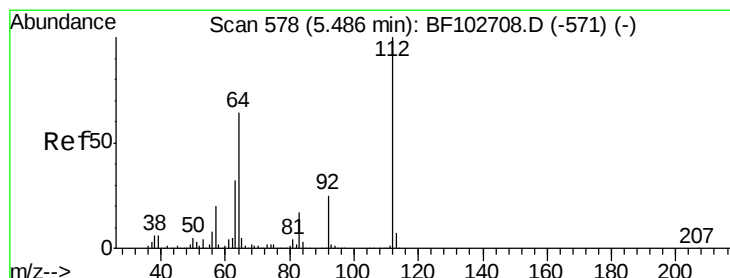
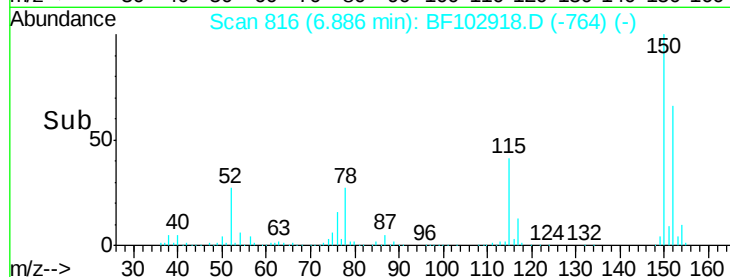
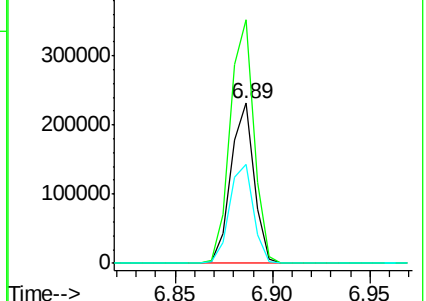
115 61.9 50.1 75.1



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: 87.51 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

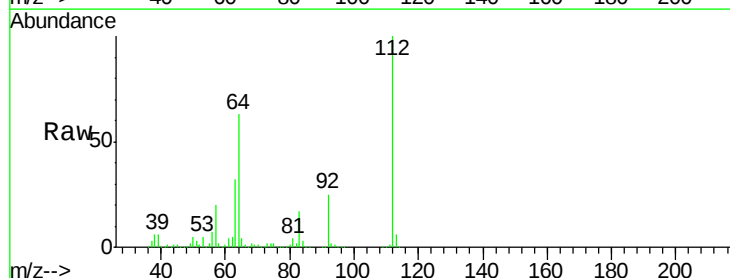
Tgt Ion:112 Resp: 1102164

Ion Ratio Lower Upper

112 100

64 62.6 47.9 71.9

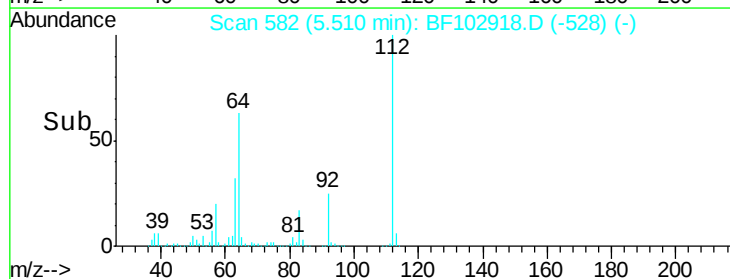
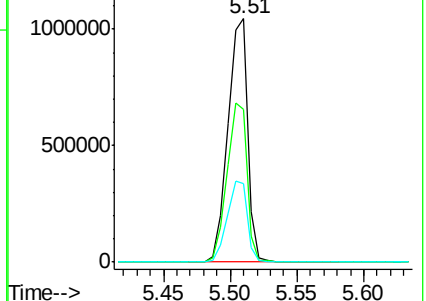
63 32.4 23.7 35.5



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: 84.87 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

Instrument :

BNA_F

ClientSampleId :

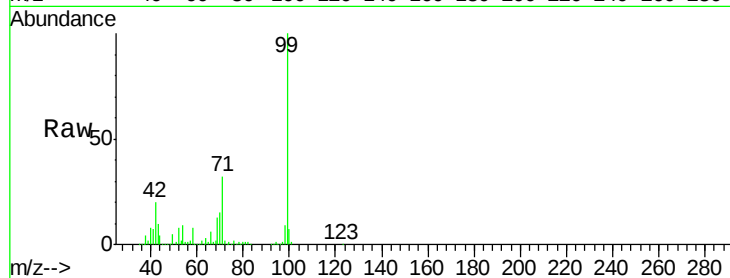
Tot Ion: 99 Resp: 1287026

Ion Ratio Lower Upper

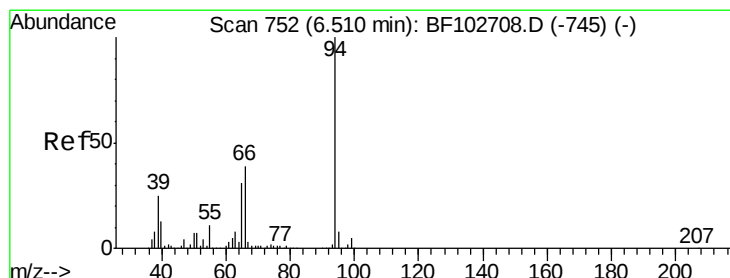
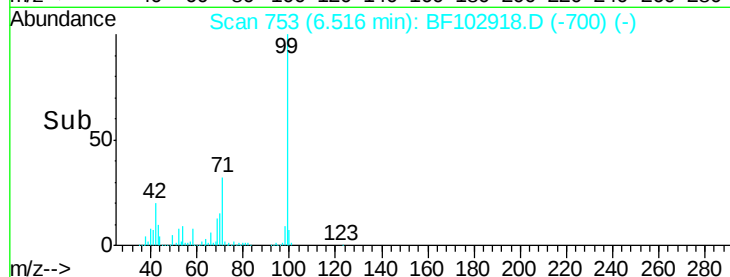
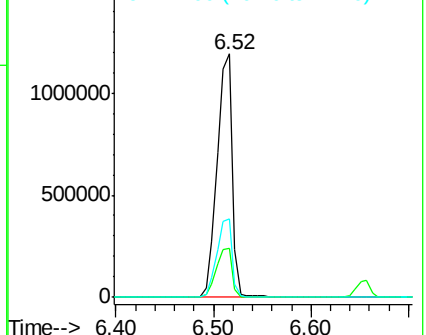
99 100

42 20.1 14.5 21.7

71 32.0 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: 6.06 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

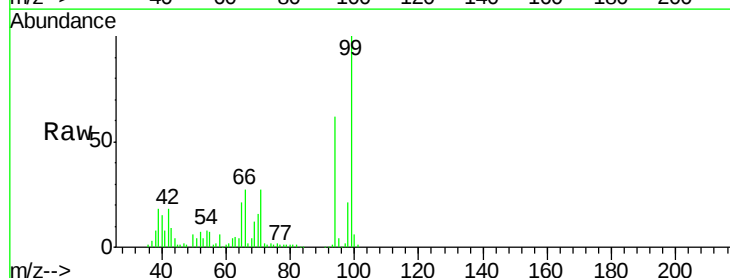
Tgt Ion: 94 Resp: 98453

Ion Ratio Lower Upper

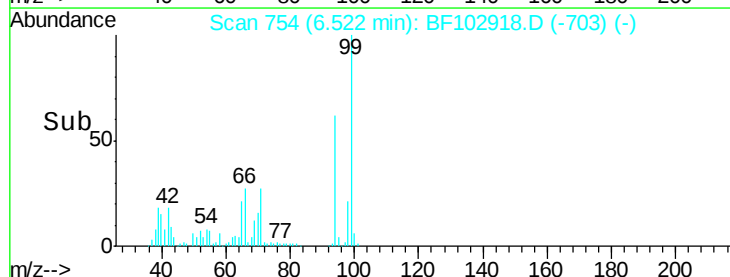
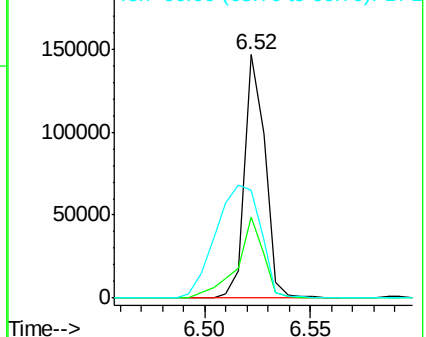
94 100

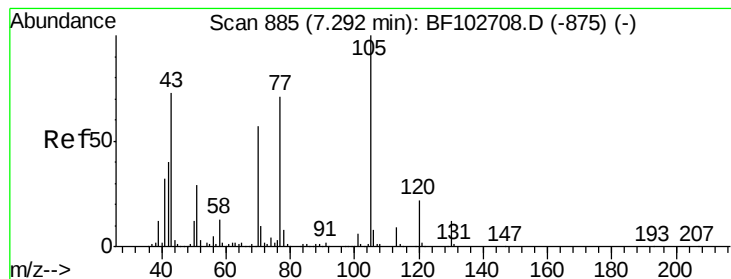
65 33.2 7.9 47.9

66 44.1 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: 11.53 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 115304

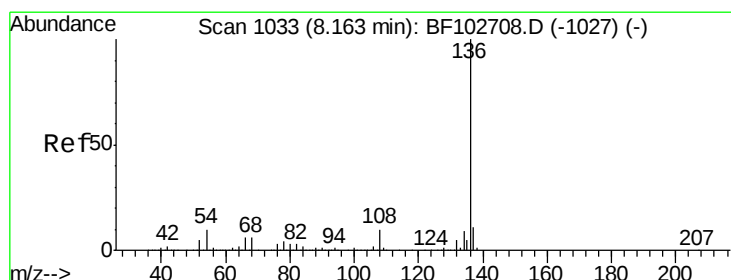
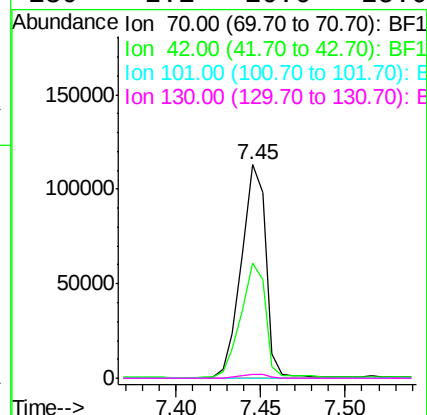
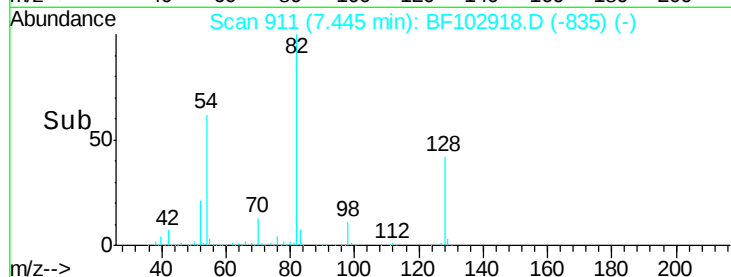
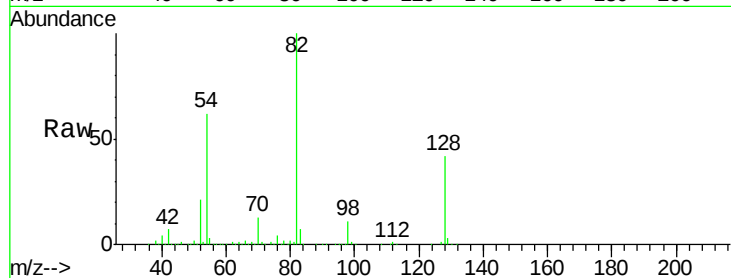
Ion Ratio Lower Upper

70 100

42 53.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

Tgt Ion: 136 Resp: 781376

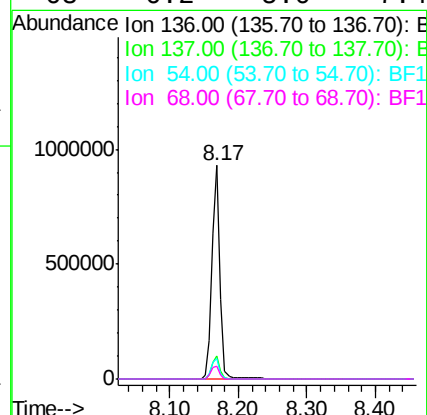
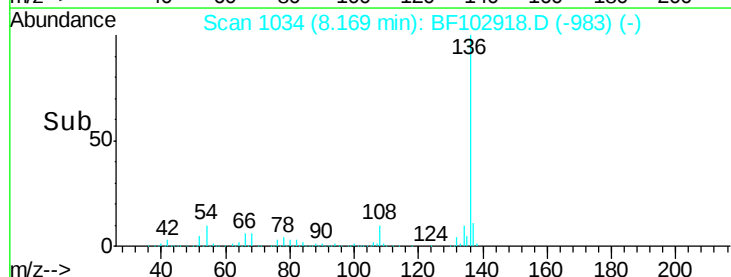
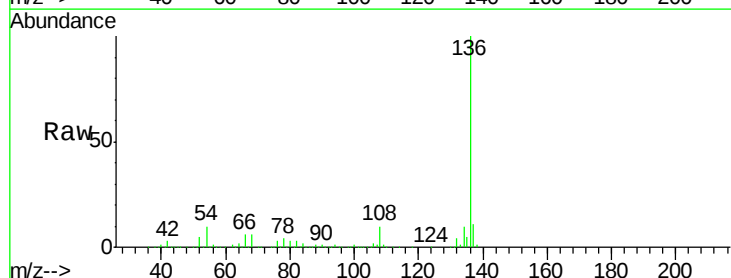
Ion Ratio Lower Upper

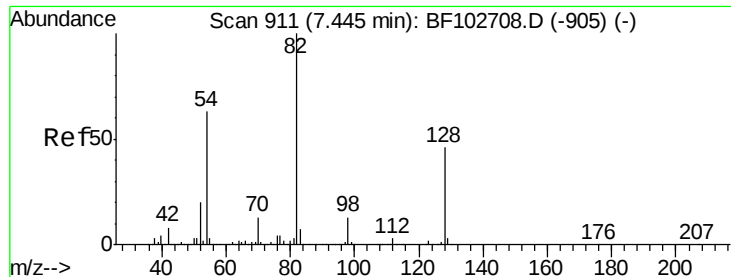
136 100

137 11.0 8.9 13.3

54 9.7 6.6 9.8

68 6.2 5.0 7.4

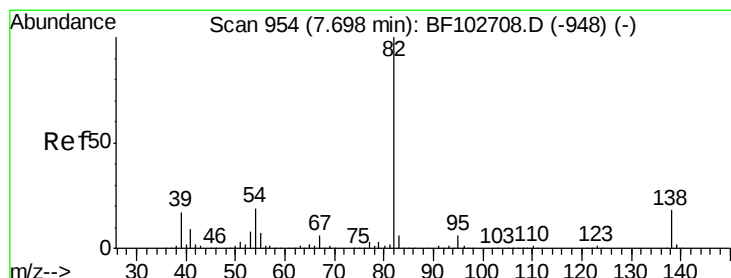
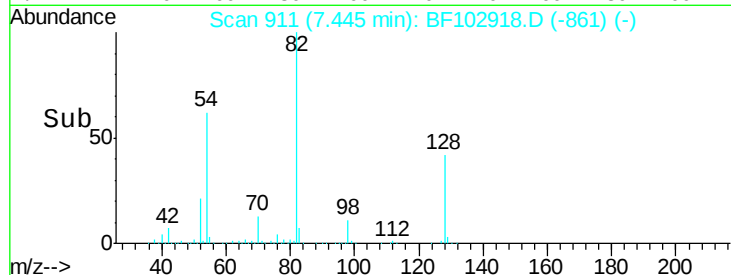
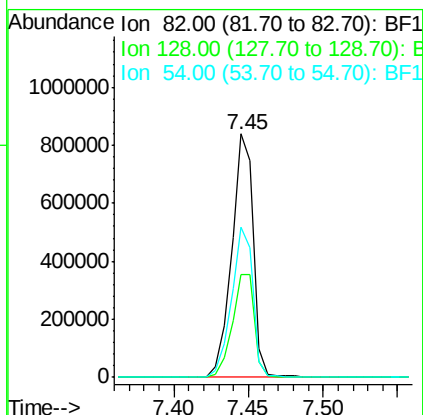
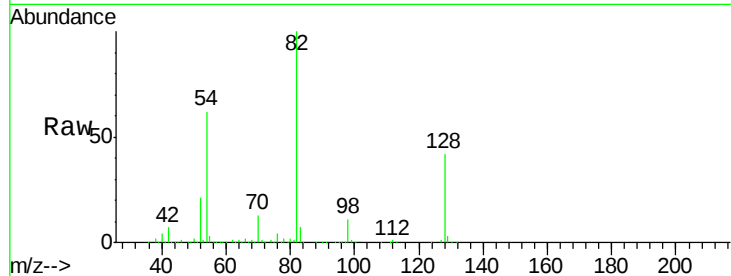




#23
Nitrobenzene-d5
Concen: 75.90 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

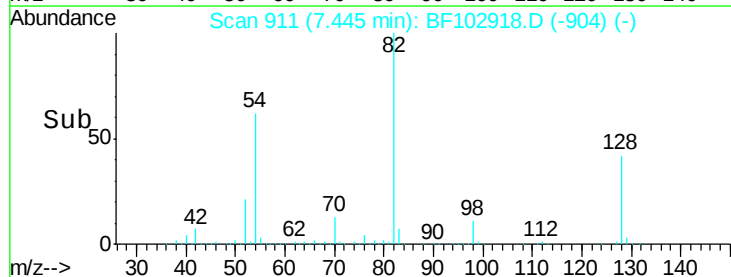
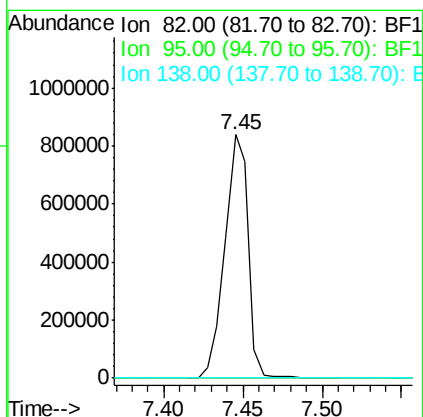
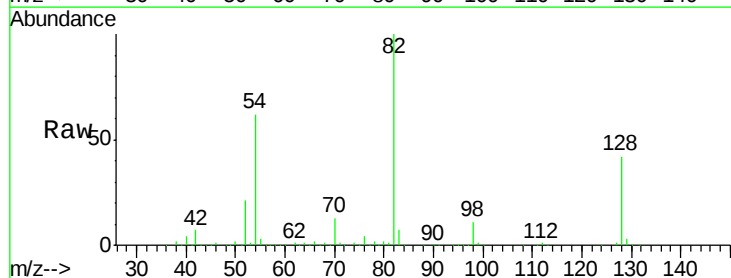
Instrument :
BNA_F
ClientSampleId :

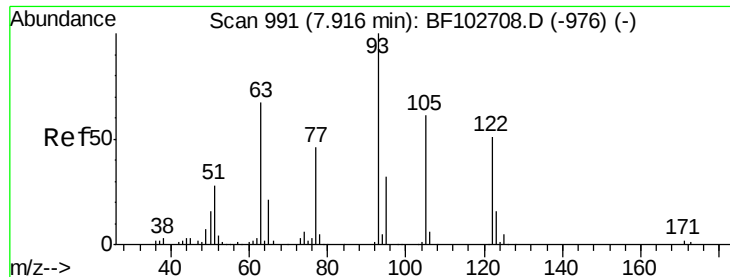
Tot Ion	82	Resp	854910
Ion Ratio	Lower	Upper	
82	100		
128	42.4	36.1	54.1
54	61.7	41.4	62.2



#25
Isophorone
Concen: 32.97 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

Tgt Ion	82	Resp	855044
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 8.58 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

Instrument :

BNA_F

ClientSampled :

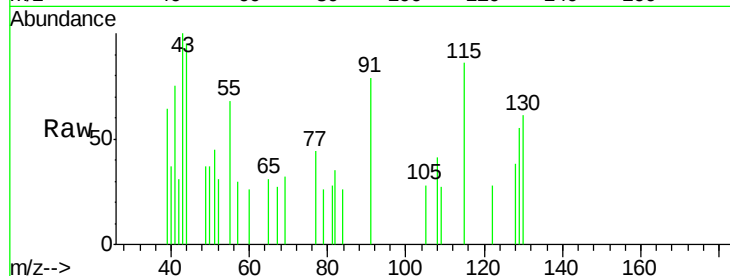
Tot Ion:122 Resp: 335

Ion Ratio Lower Upper

122 100

105 101.5 101.1 141.1

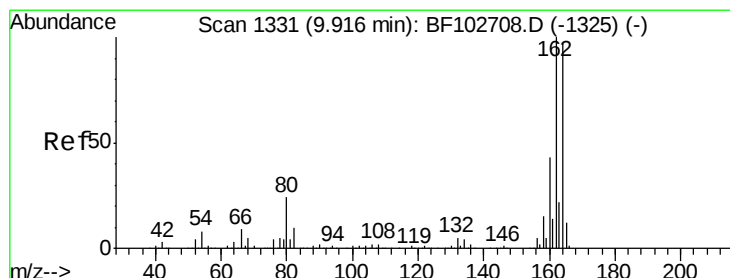
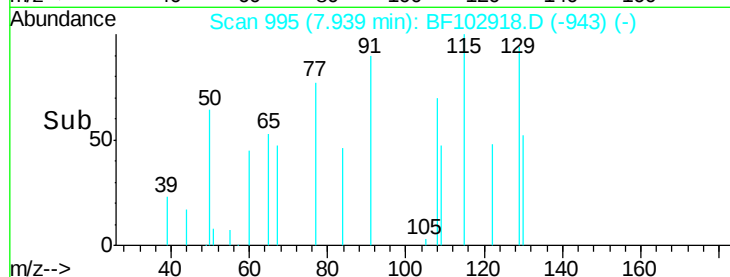
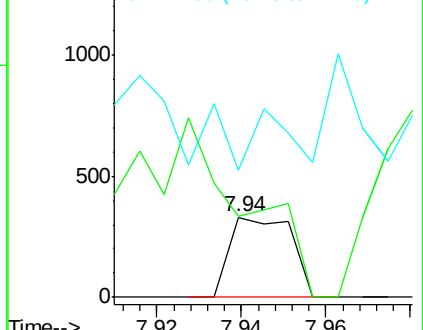
77 159.2 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

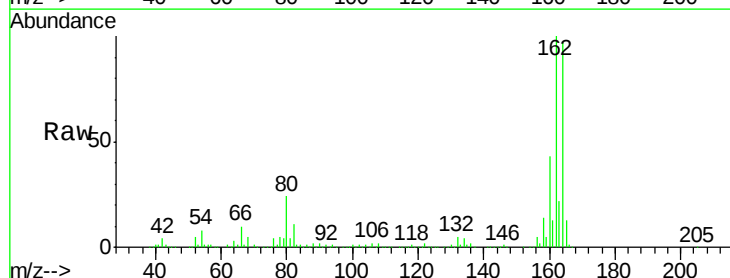
Tgt Ion:164 Resp: 319408

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

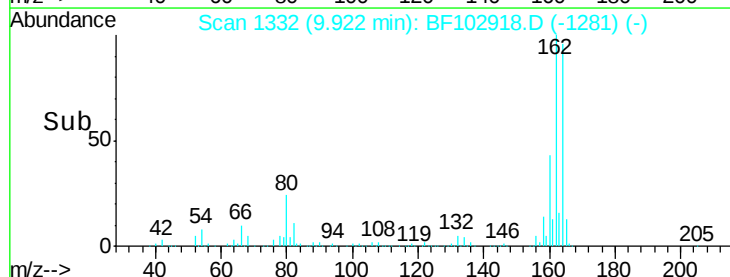
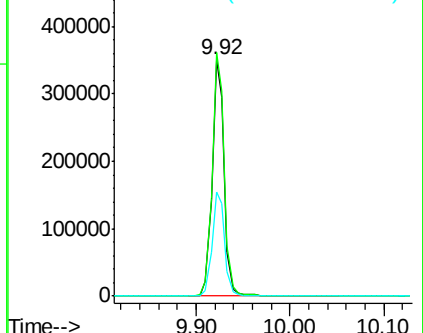
160 44.1 38.3 57.5

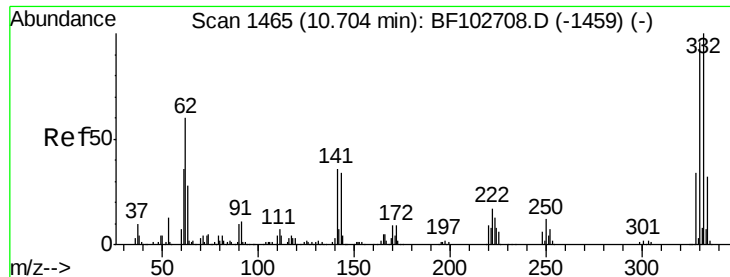


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

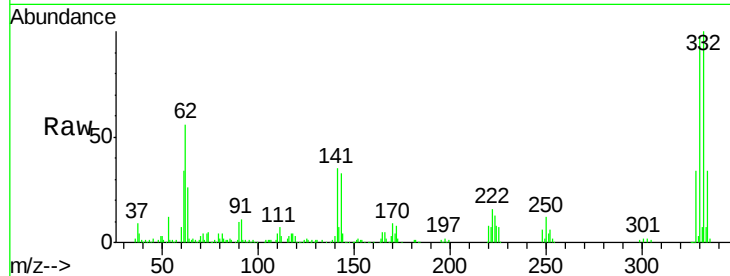




#41
 2,4,6-Tribromophenol
 Concen: 79.86 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102918.D
 Acq: 12 Feb 2018 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.9	77.0	115.6
141	42.0	29.9	44.9

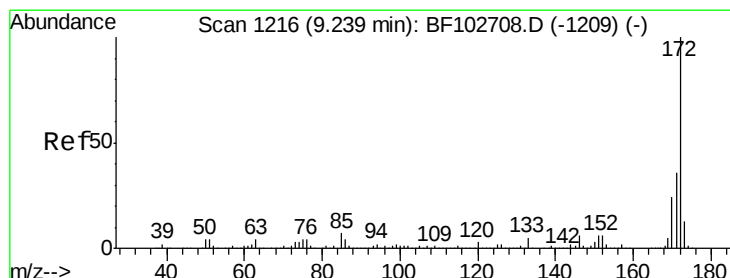
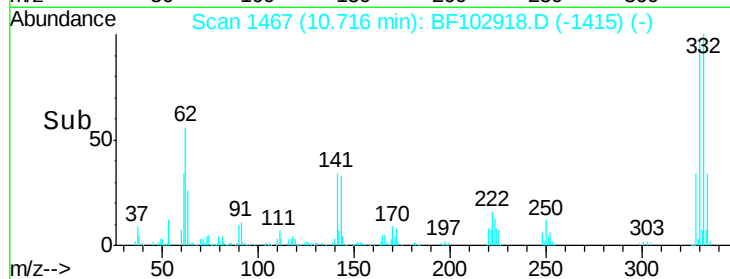
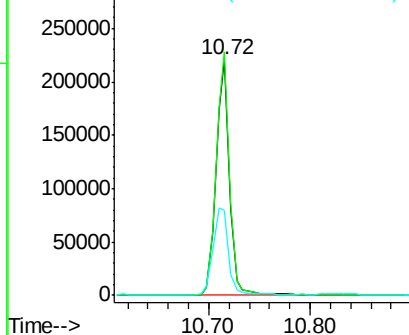


Abundance

Ion 329.80 (329.50 to 330.50): E

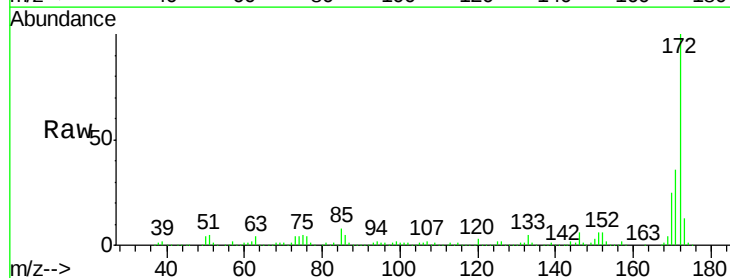
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 60.43 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102918.D
 Acq: 12 Feb 2018 14:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.7	19.6	29.4

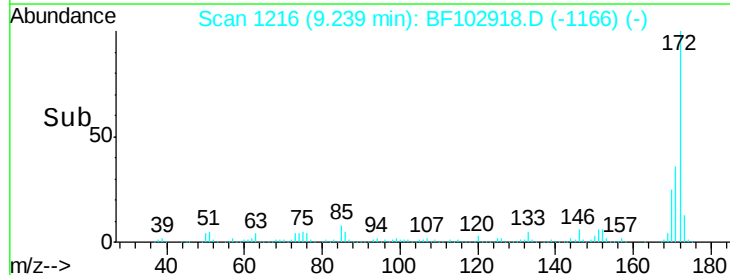
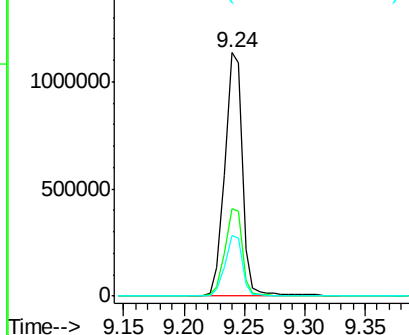


Abundance

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





#47

2-Nitroaniline

Concen: 3.51 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

Instrument :

BNA_F

ClientSampleId :

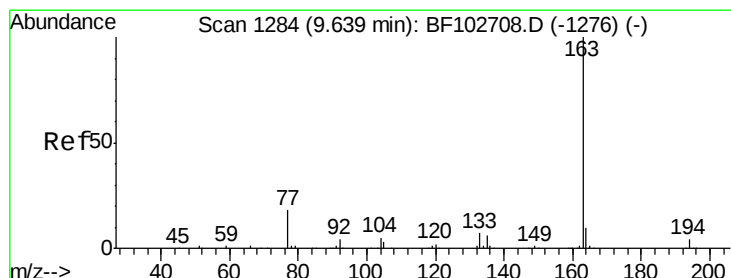
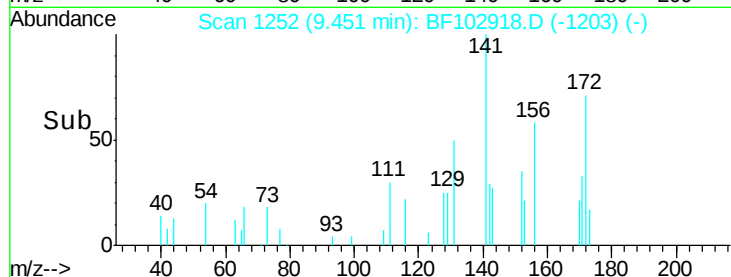
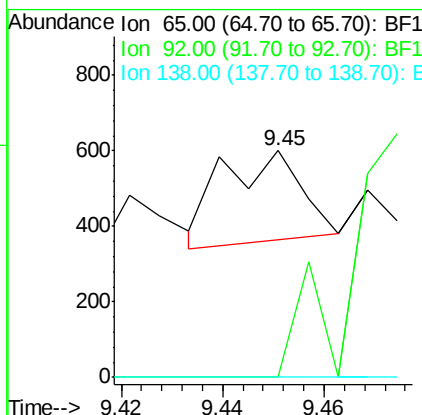
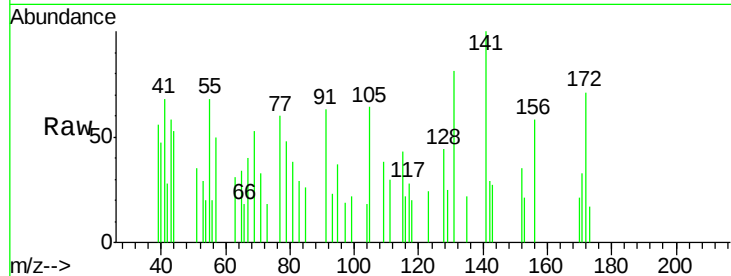
Tot Ion: 65 Resp: 260

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 6.37 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

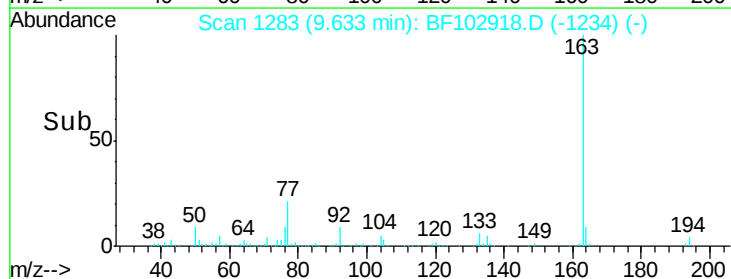
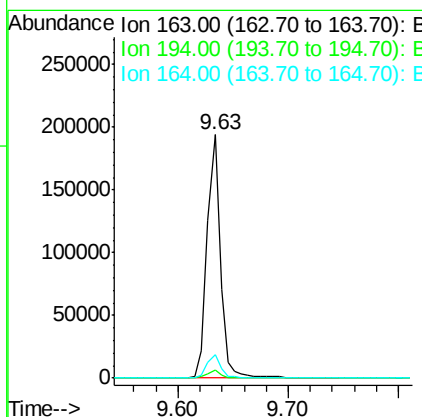
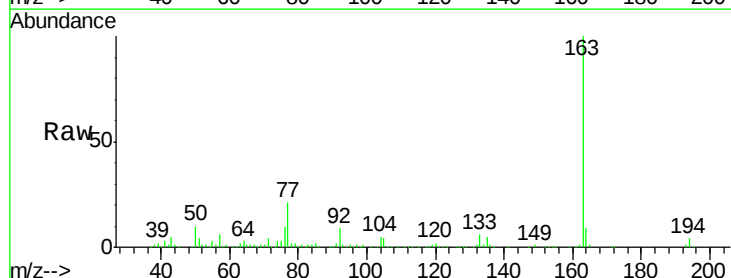
Tgt Ion: 163 Resp: 158677

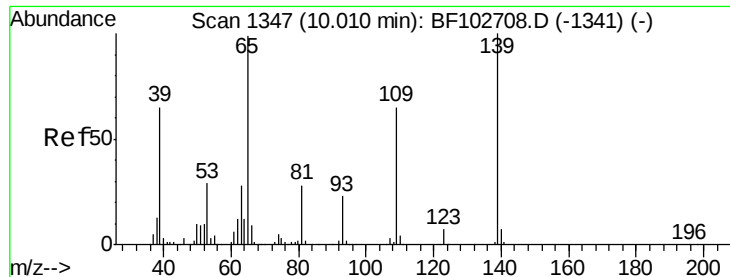
Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

164 9.5 8.2 12.2

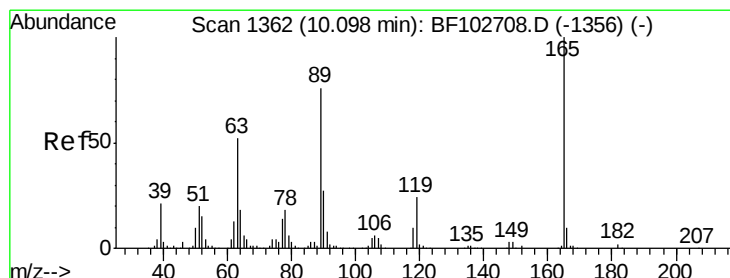
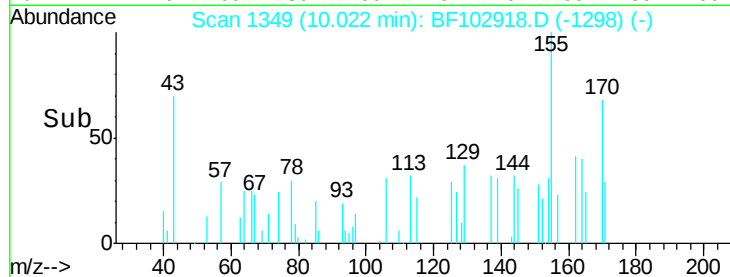
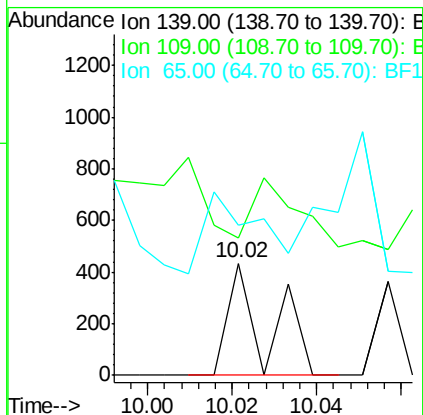
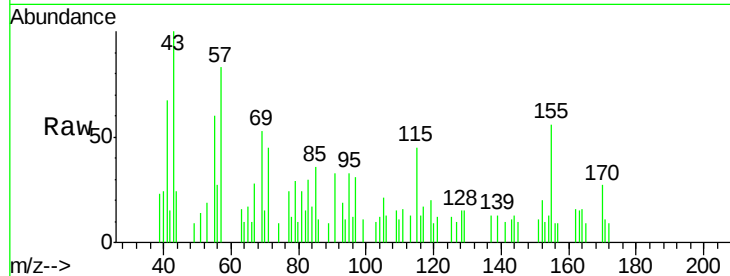




#55
4-Nitrophenol
Concen: 4.08 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

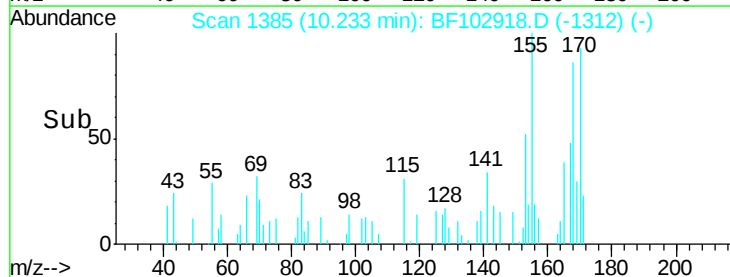
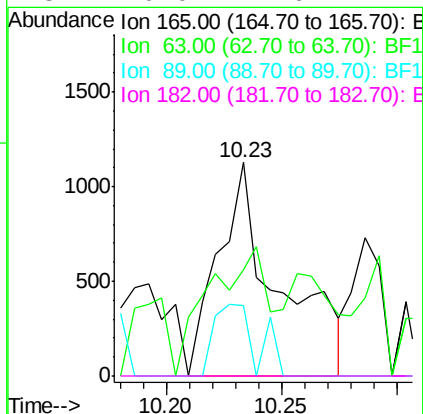
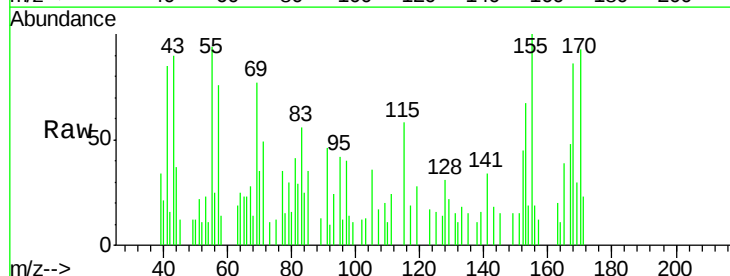
Instrument :
BNA_F
ClientSampleId :

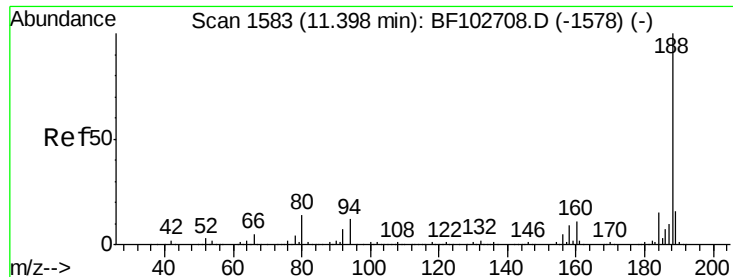
Tot Ion:139 Resp: 277
Ion Ratio Lower Upper
139 100
109 122.9 48.4 88.4#
65 133.9 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.38 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.13 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

Tgt Ion:165 Resp: 2063
Ion Ratio Lower Upper
165 100
63 49.5 36.4 54.6
89 32.7 57.8 86.6#
182 0.0 1.6 2.4#

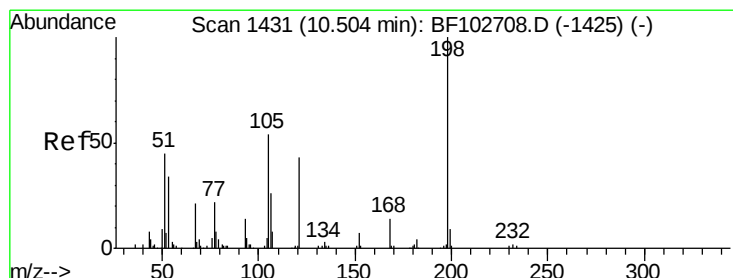
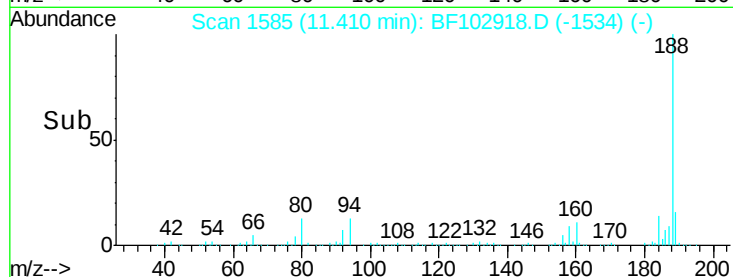
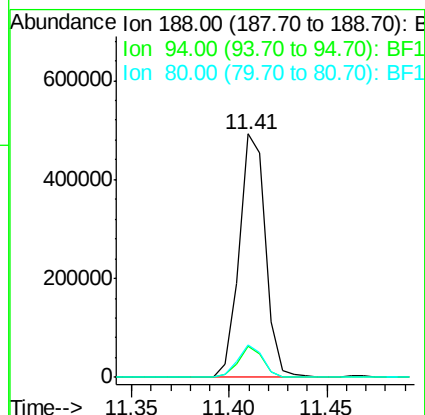
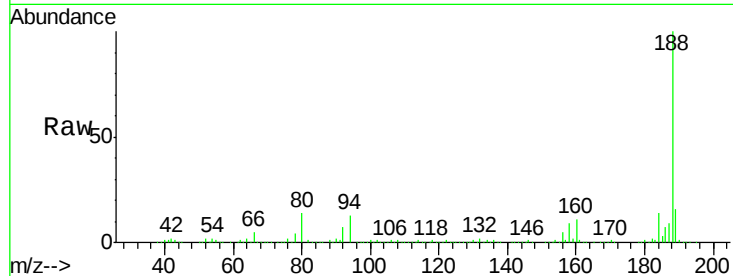




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

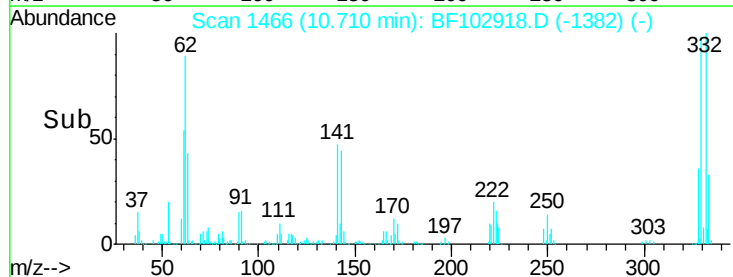
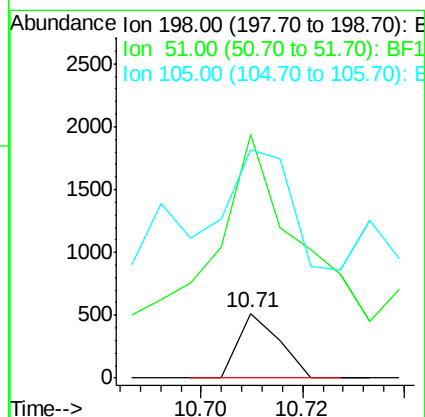
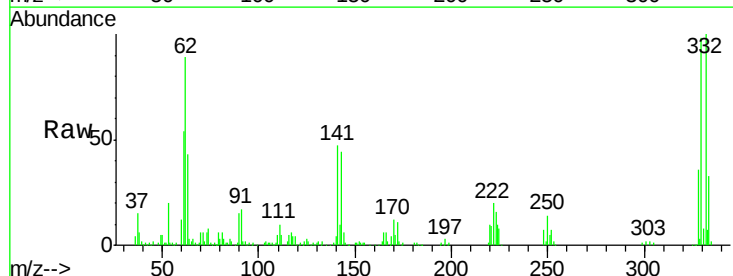
Instrument :
BNA_F
ClientSampleId :

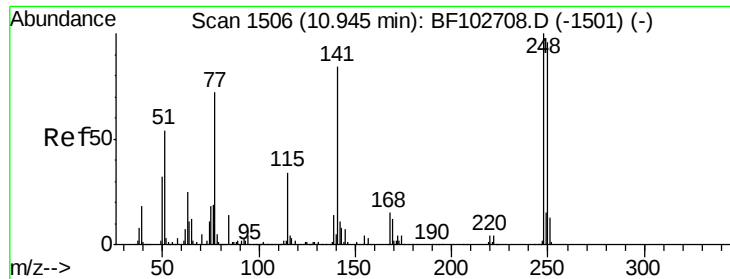
Tot Ion:188 Resp: 460455
Ion Ratio Lower Upper
188 100
94 12.8 8.5 12.7#
80 13.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.93 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

Tgt Ion:198 Resp: 288
Ion Ratio Lower Upper
198 100
51 376.1 37.7 77.7#
105 352.6 36.3 76.3#

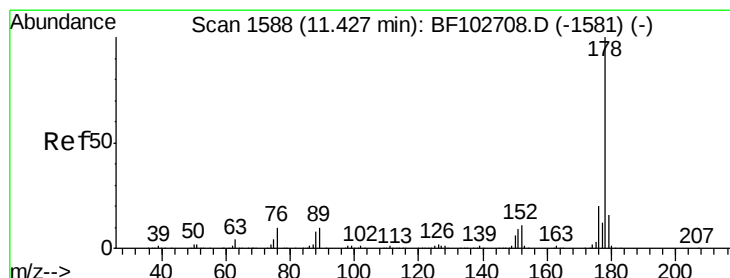
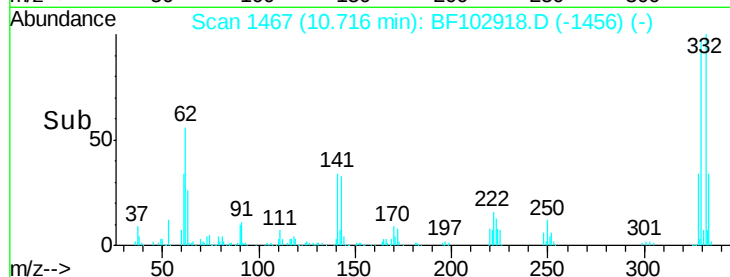
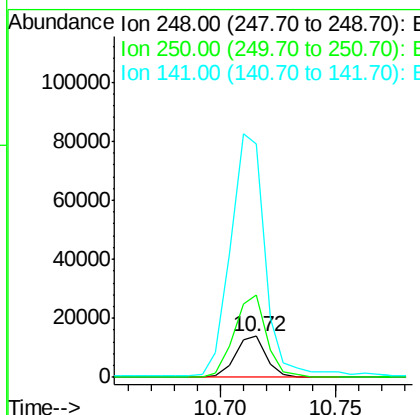
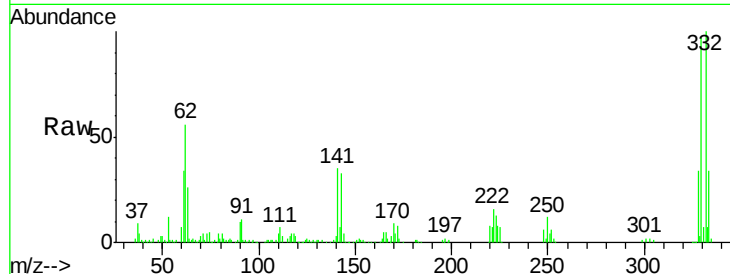




#66
 4-Bromophenyl-phenylether
 Concen: 2.72 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF102918.D
 Acq: 12 Feb 2018 14:12

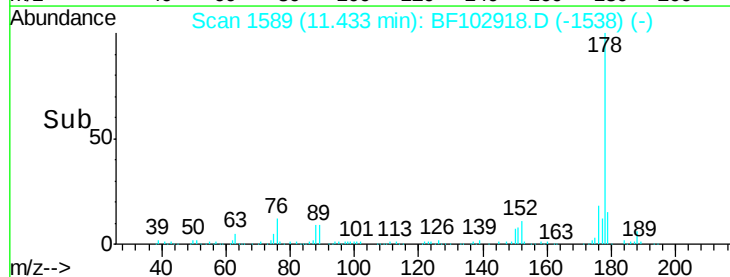
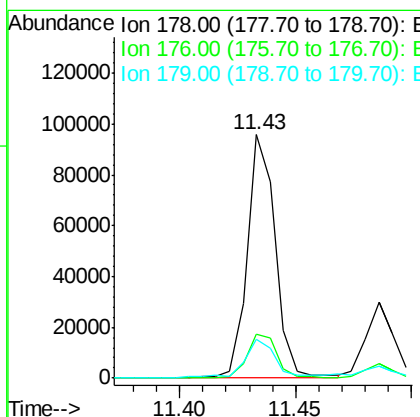
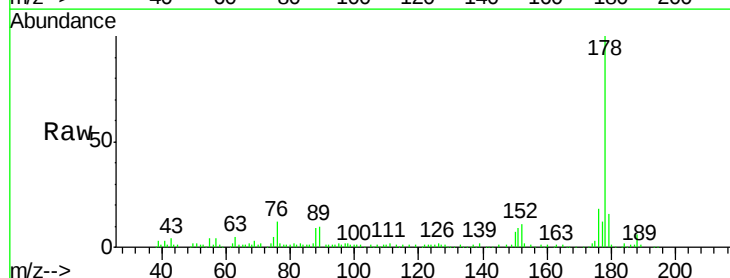
Instrument :
 BNA_F
 ClientSampled :

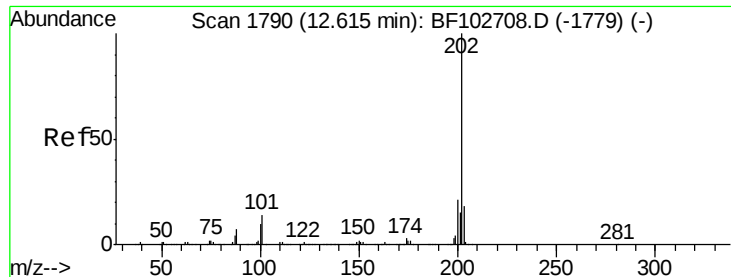
Tot Ion:248 Resp: 13270
 Ion Ratio Lower Upper
 248 100
 250 199.1 76.9 115.3#
 141 566.4 74.4 111.6#



#70
 Phenanthrene
 Concen: 3.20 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BF102918.D
 Acq: 12 Feb 2018 14:12

Tgt Ion:178 Resp: 82091
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.8
 179 15.7 13.0 19.6





#74

Fluoranthene

Concen: 5.99 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

Instrument :

BNA_F

ClientSampled :

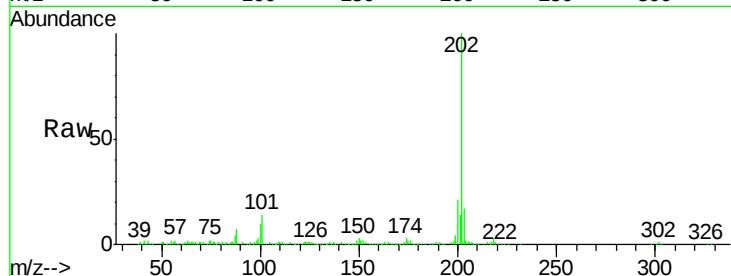
Tot Ion:202 Resp: 154483

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.1

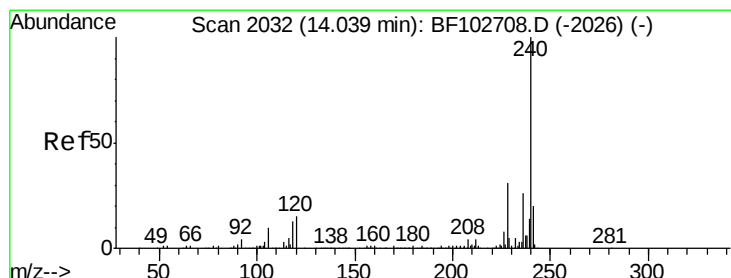
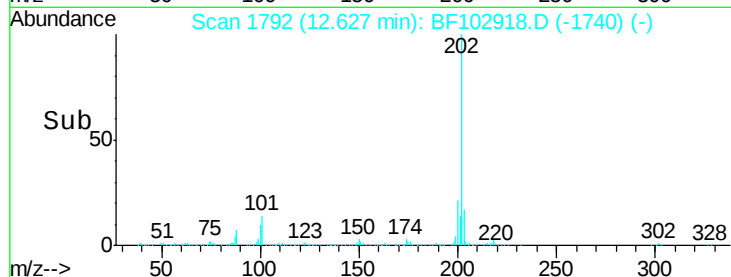
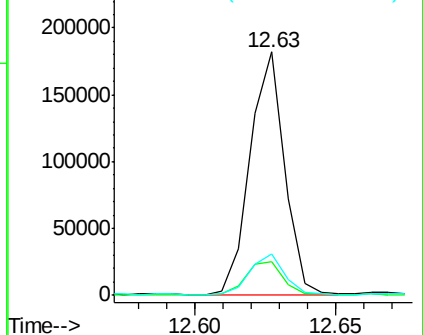
203 16.9 0.0 38.1



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: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

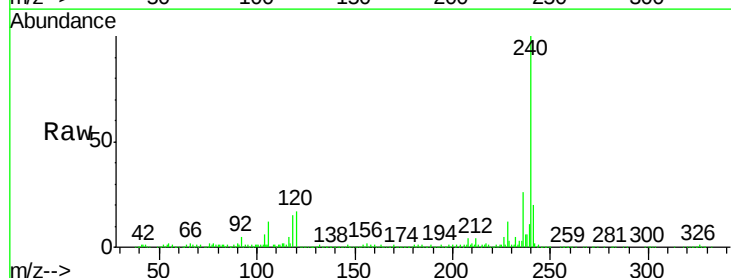
Tgt Ion:240 Resp: 351998

Ion Ratio Lower Upper

240 100

120 16.6 9.5 14.3#

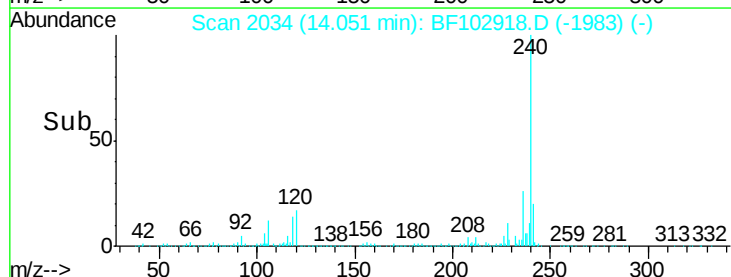
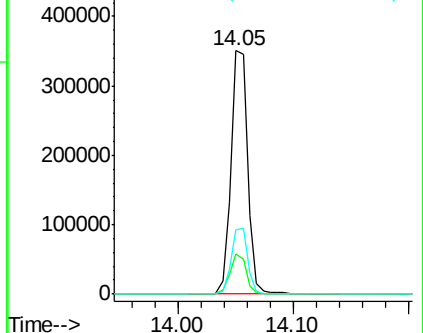
236 26.4 20.7 31.1

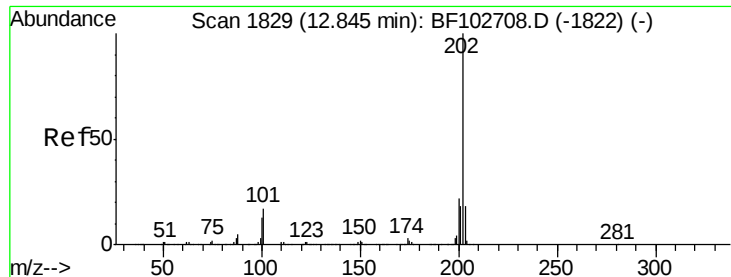


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

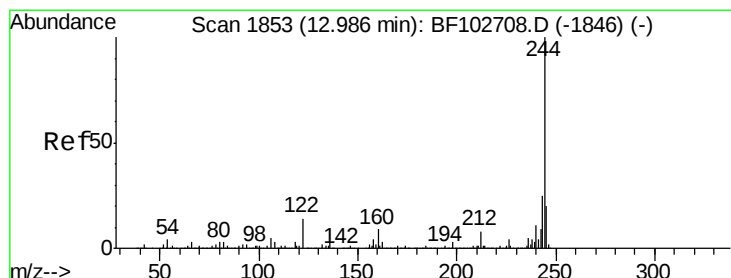
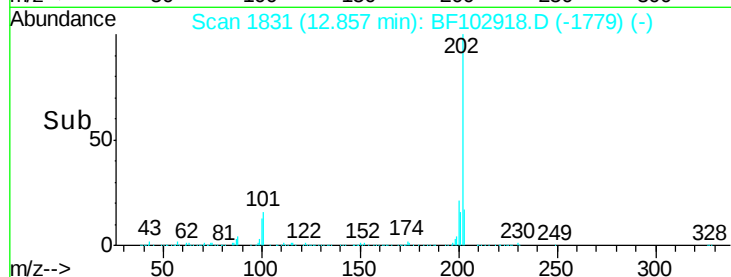
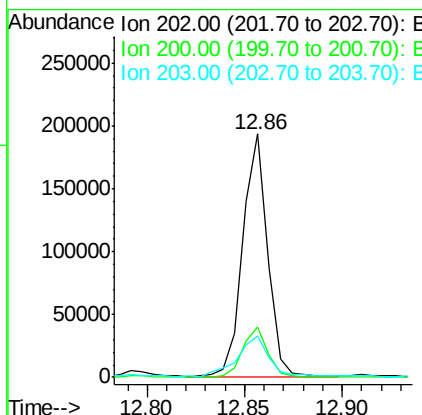
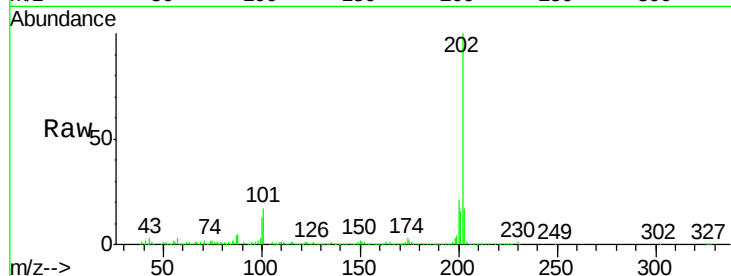




#77
Pvrene
Concen: 6.13 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

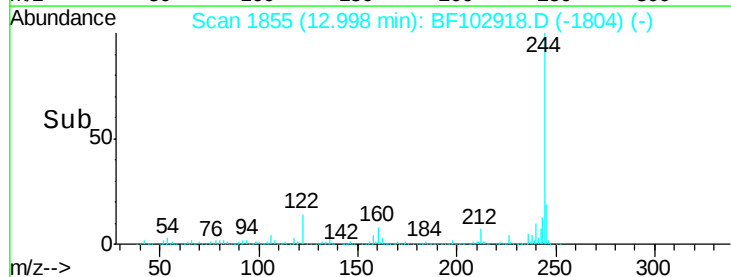
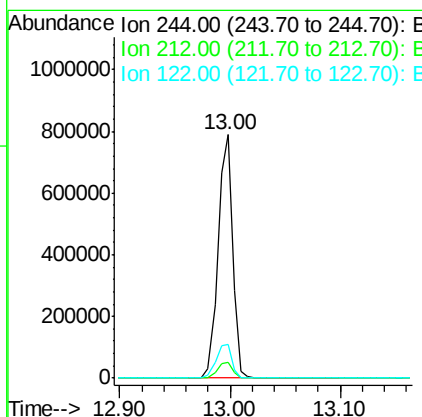
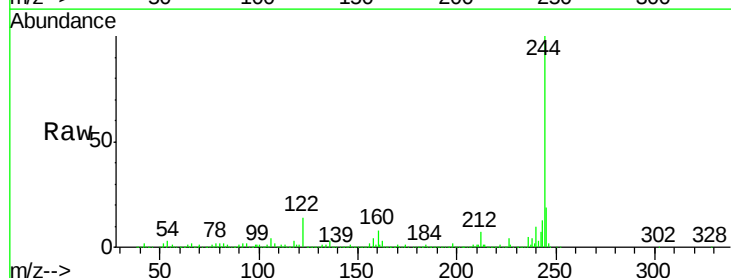
Instrument :
BNA_F
ClientSampled :

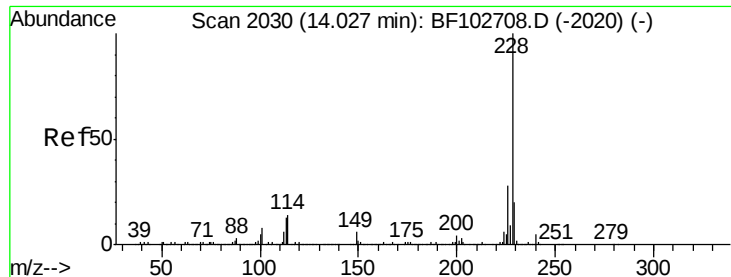
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.2	14.3	21.5



#78
Terphenyl-d14
Concen: 48.73 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.7	11.0	16.4





#80

Benzo(a)anthracene

Concen: 4.48 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.04 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

Instrument :

BNA_F

ClientSampleId :

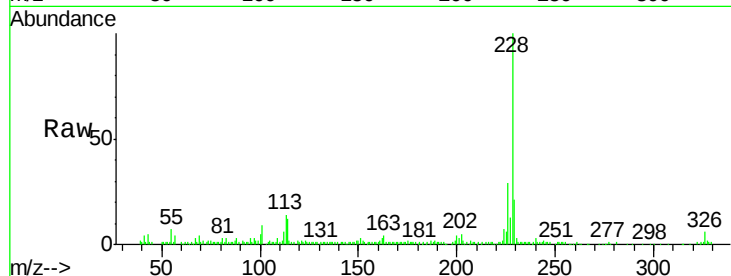
Tot Ion:228 Resp: 99267

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

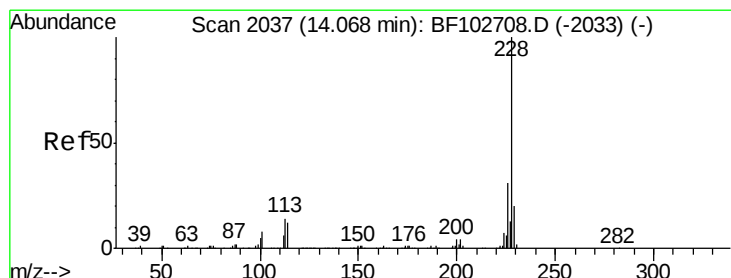
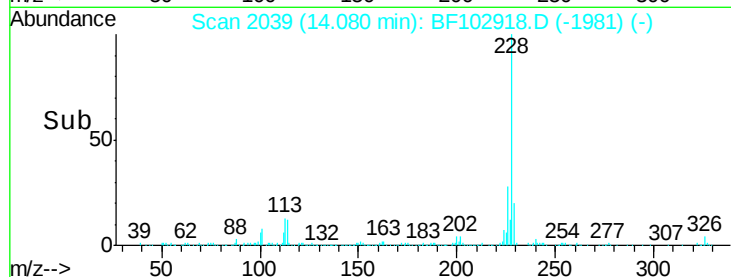
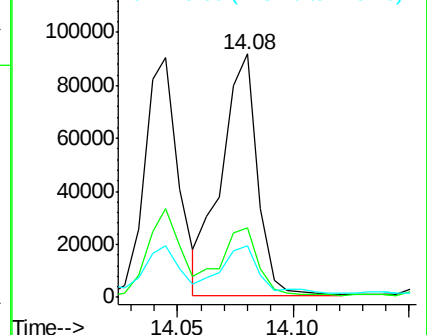
229 21.3 15.8 23.6



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: 4.45 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

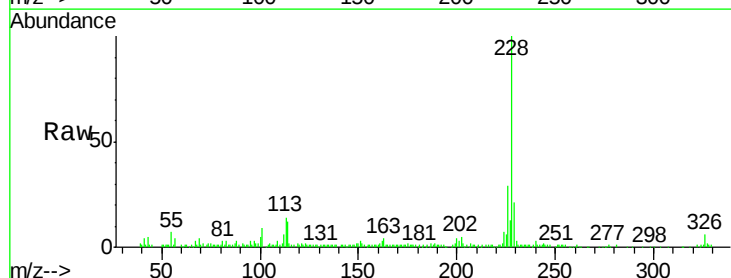
Tgt Ion:228 Resp: 99267

Ion Ratio Lower Upper

228 100

226 28.8 25.0 37.6

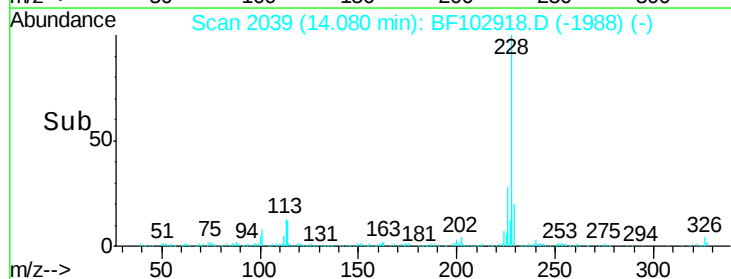
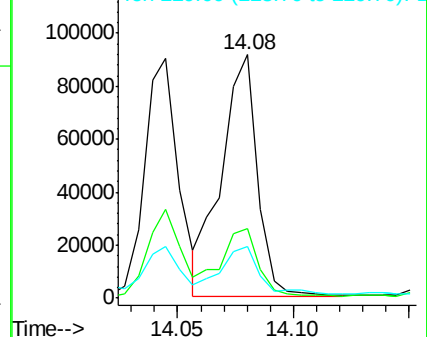
229 21.3 16.2 24.4

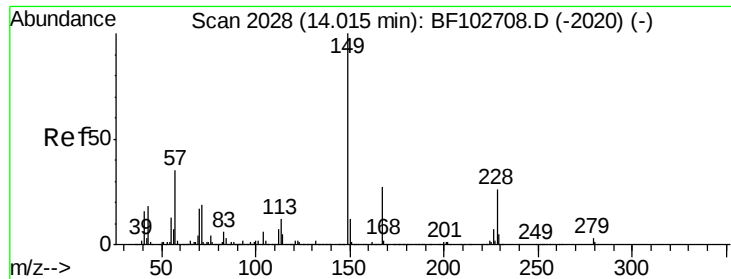


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

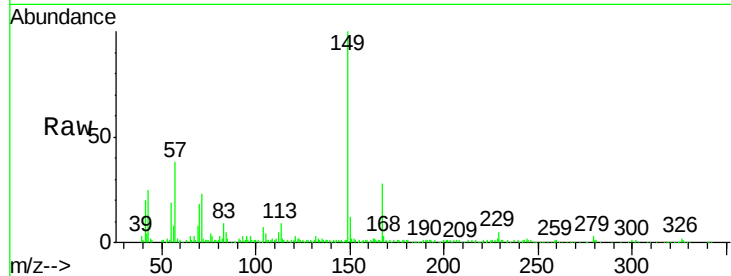




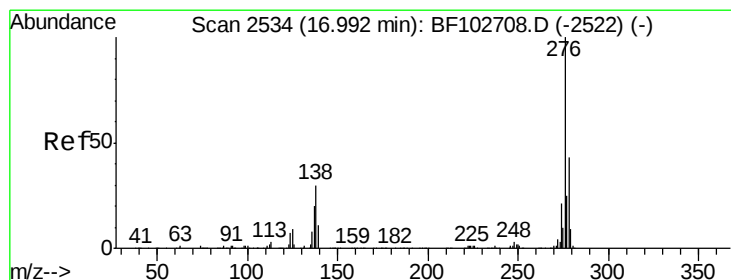
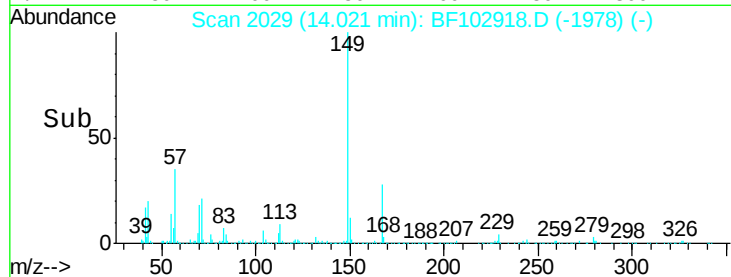
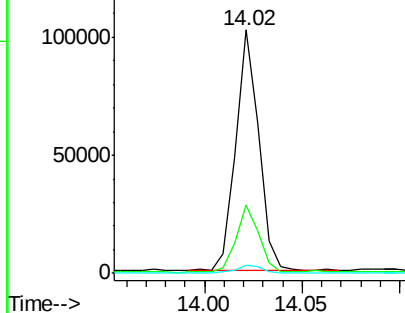
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.92 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF102918.D
 Acq: 12 Feb 2018 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.3	31.9
279	3.3	3.0	4.4

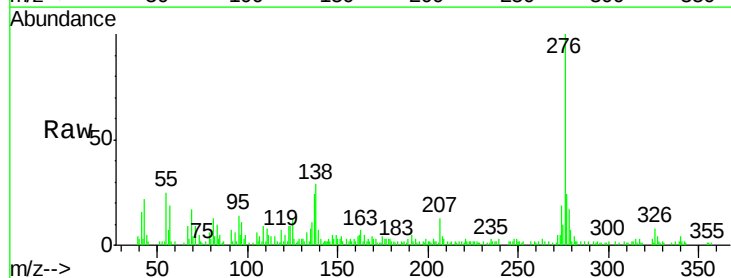


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

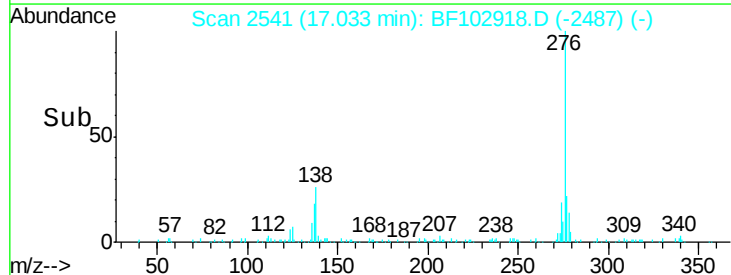
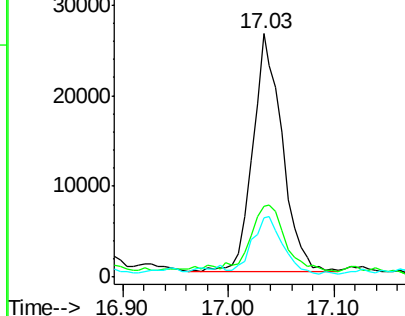


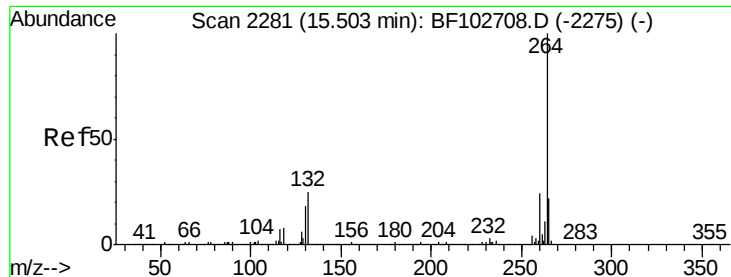
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.75 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.02 min
 Lab File: BF102918.D
 Acq: 12 Feb 2018 14:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.6	25.0	37.6
277	25.1	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

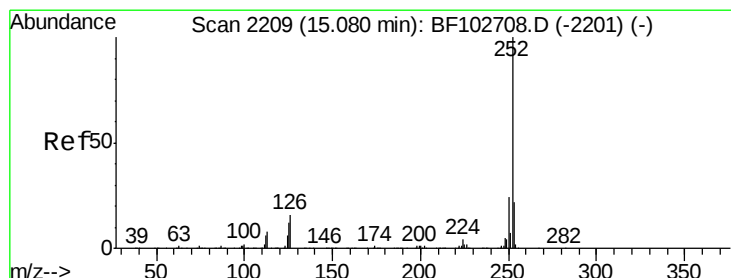
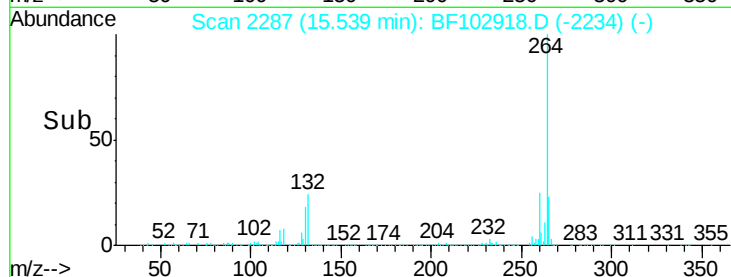
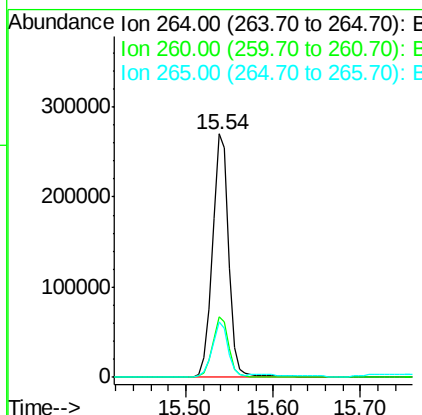
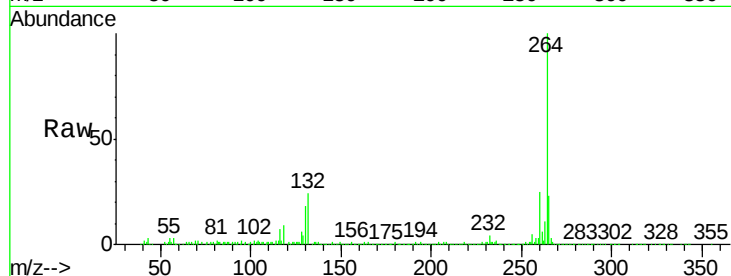




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

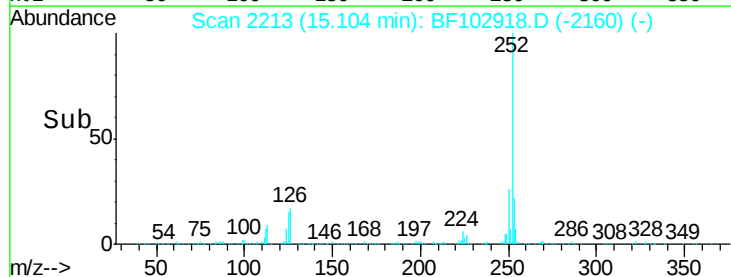
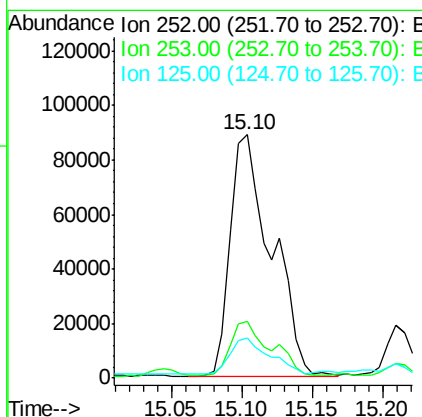
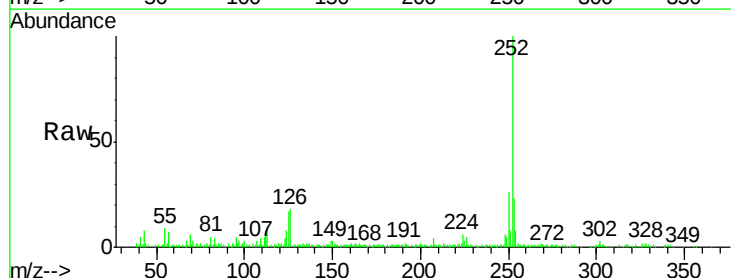
Instrument :
BNA_F
ClientSampleId :

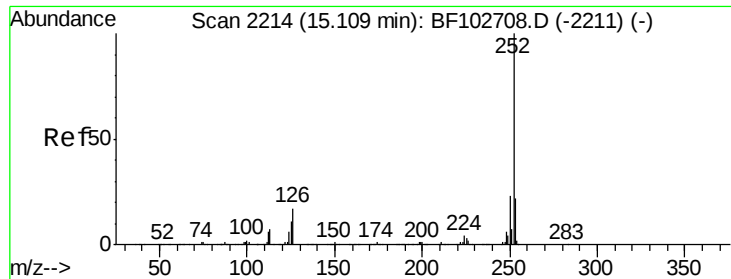
Tot Ion:264 Resp: 347668
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 23.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.07 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

Tgt Ion:252 Resp: 182005
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 16.7 9.0 13.6#

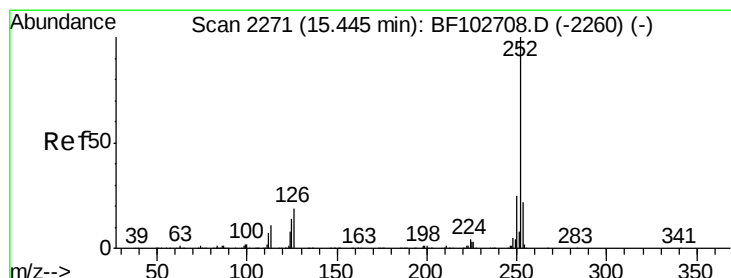
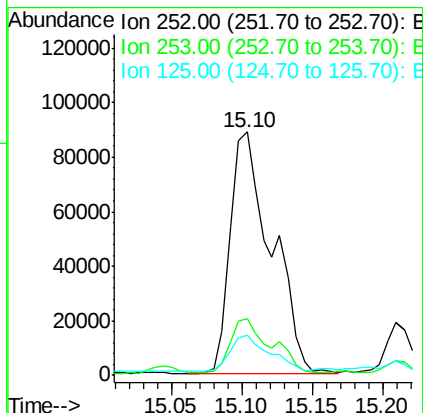
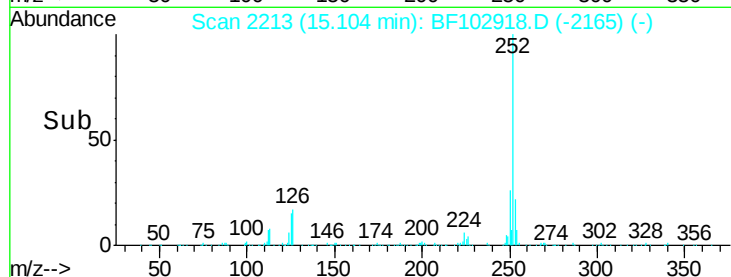
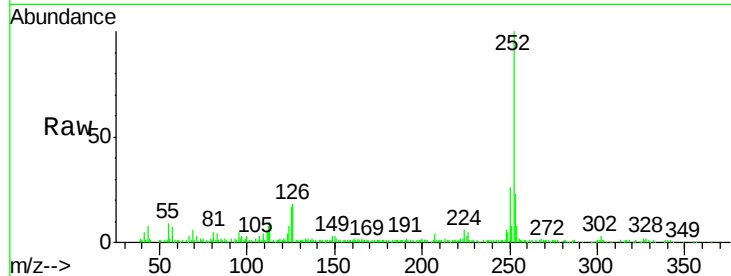




#88
Benzo(k)fluoranthene
Concen: 8.45 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

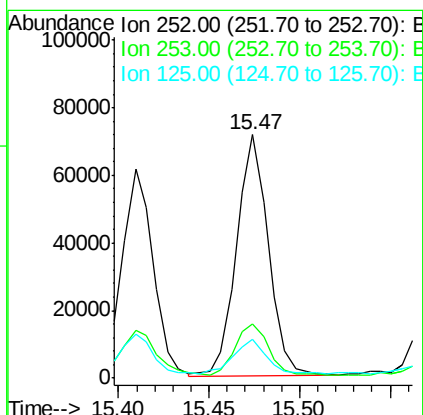
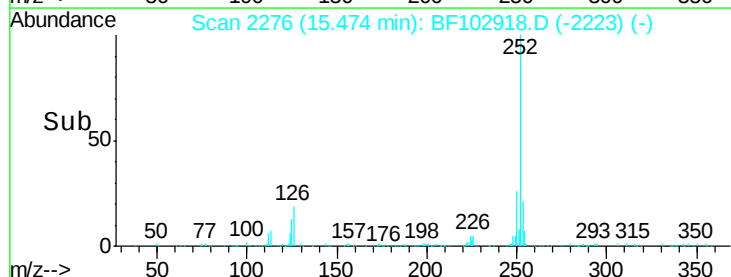
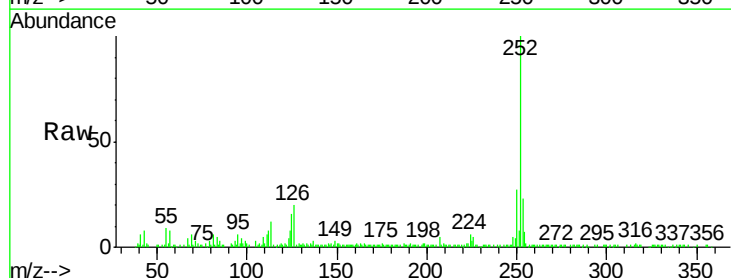
Instrument :
BNA_F
ClientSampleId :

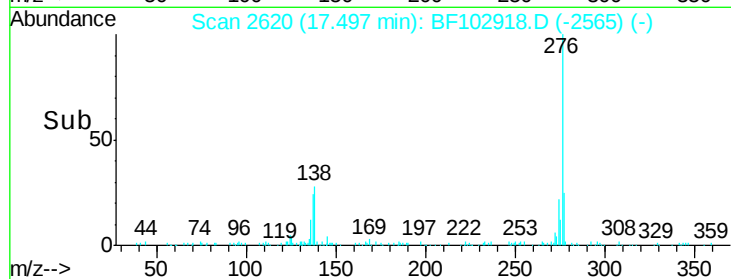
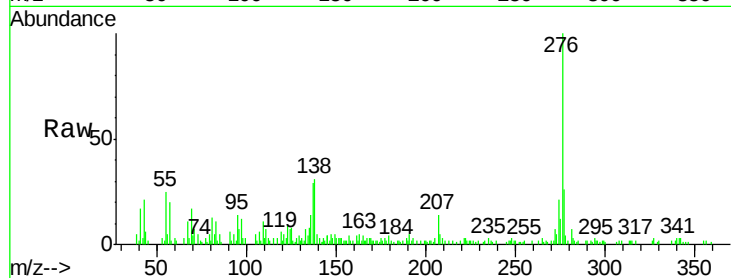
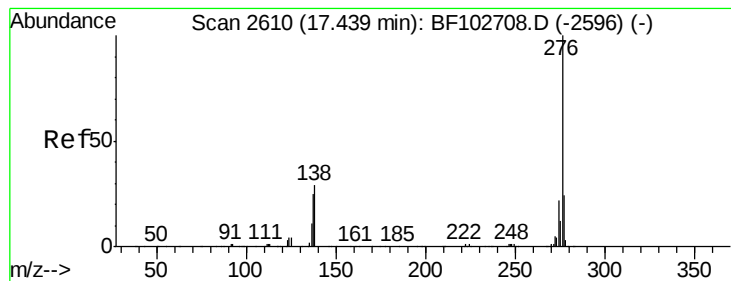
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	16.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.30 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102918.D
Acq: 12 Feb 2018 14:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	16.2	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.16 ng

RT: 17.50 min Scan# 2620

Delta R.T. 0.02 min

Lab File: BF102918.D

Acq: 12 Feb 2018 14:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 51014

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 31.0 21.8 32.8

