

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
 Data File : BF102356.D
 Acq On : 23 Jan 2018 21:45
 Operator : SJ/JU
 Sample : J1238-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 23:45:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	135778	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	579388	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	250779	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	382917	20.00	ng	0.00
75) Chrysene-d12	13.87	240	250353	20.00	ng	0.00
86) Perylene-d12	15.30	264	209115	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	980531	109.50	ng	0.00
7) Phenol-d6	6.36	99	1211237	112.20	ng	0.00
23) Nitrobenzene-d5	7.29	82	761788	75.56	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	232072	93.39	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1186145	69.55	ng	0.00
78) Terphenyl-d14	12.82	244	796322	71.71	ng	0.00

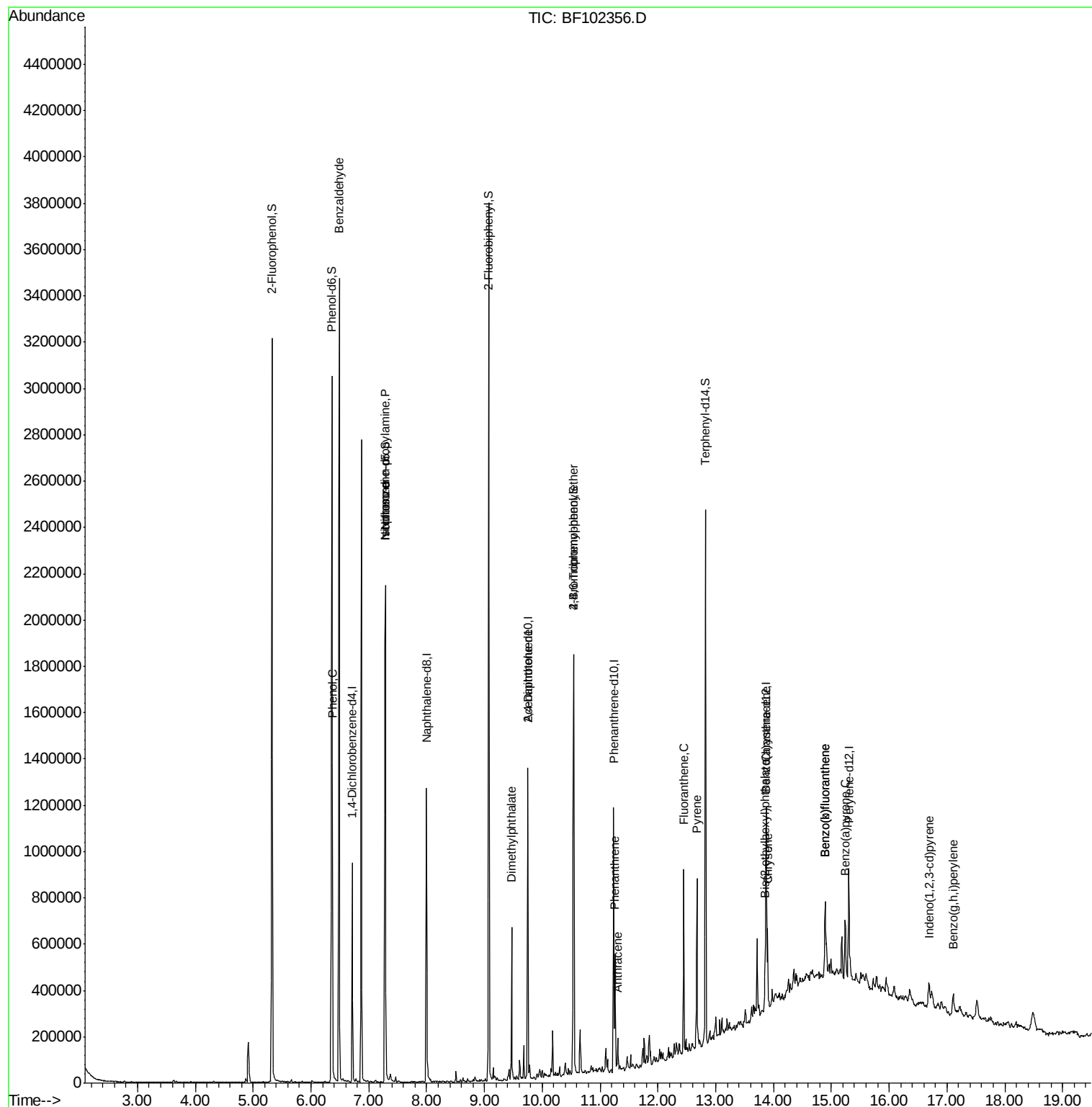
Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	21950	2.926	ng	82
10) Phenol	6.37	94	39380	3.341	ng	99
19) n-Nitroso-di-n-propylamine	7.29	70	101855	15.417	ng	# 79
25) Isophorone	7.29	82	753149	41.902	ng	# 64
49) Dimethylphthalate	9.47	163	234809	11.328	ng	100
56) 2,4-Dinitrotoluene	9.75	165	31940	5.812	ng	# 24
66) 4-Bromophenyl-phenylether	10.55	248	15731	3.816	ng	# 1
70) Phenanthrene	11.26	178	164347	7.365	ng	98
71) Anthracene	11.31	178	49127	2.157	ng	99
74) Fluoranthene	12.45	202	308844	13.573	ng	97
77) Pyrene	12.67	202	283827	14.663	ng	99
80) Benzo(a)anthracene	13.86	228	144618	9.383	ng	95
82) Chrysene	13.90	228	127017	8.115	ng	97
83) Bis(2-ethylhexyl)phthalate	13.85	149	30791	2.379	ng	98
85) Indeno(1,2,3-cd)pyrene	16.69	276	59081	4.570	ng	98
87) Benzo(b)fluoranthene	14.89	252	218354	16.110	ng	# 93
88) Benzo(k)fluoranthene	14.89	252	218354	17.052	ng	96
89) Benzo(a)pyrene	15.24	252	114792	9.391	ng	# 92
91) Benzo(a,h,i)perylene	17.11	276	61158	6.255	ng	# 93

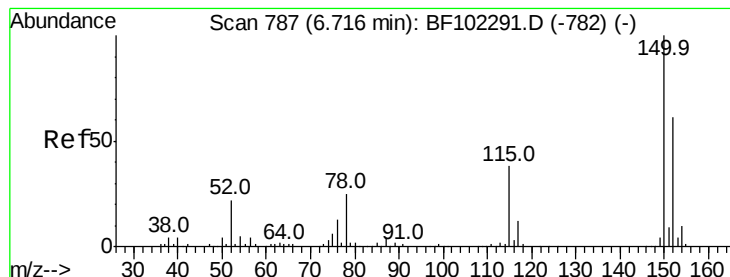
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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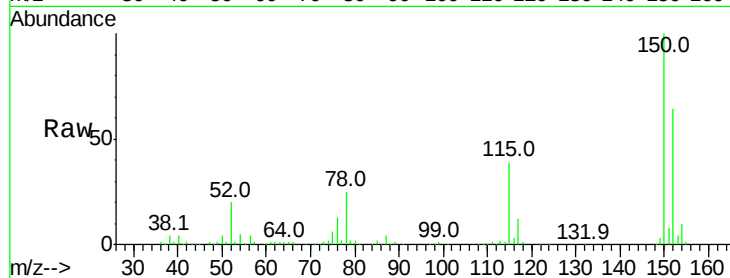


#1

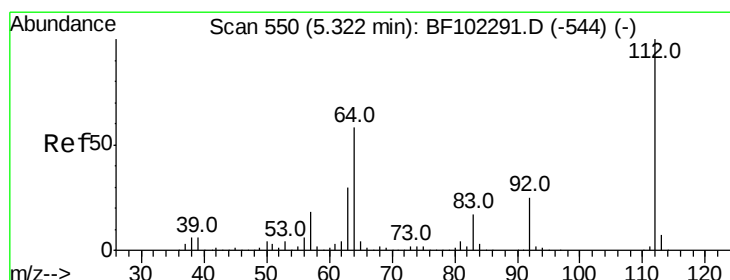
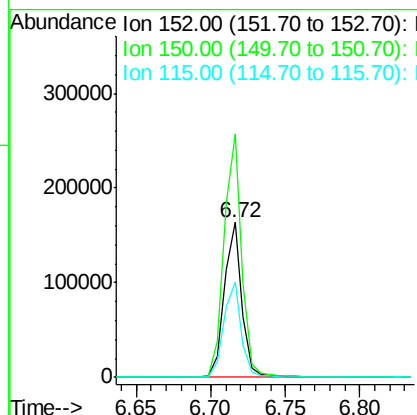
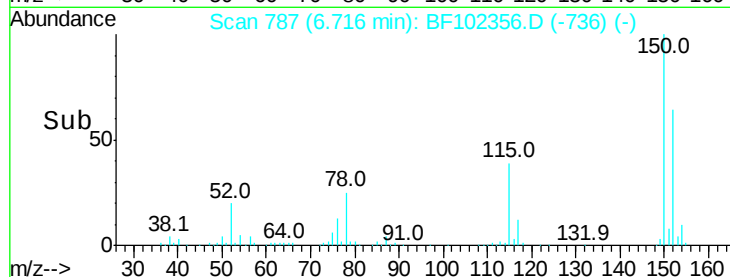
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 135778
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 61.7 50.1 75.1



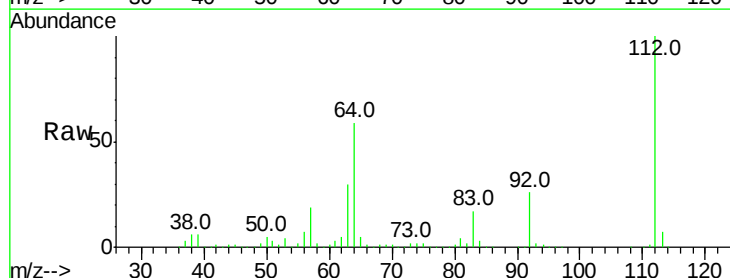
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



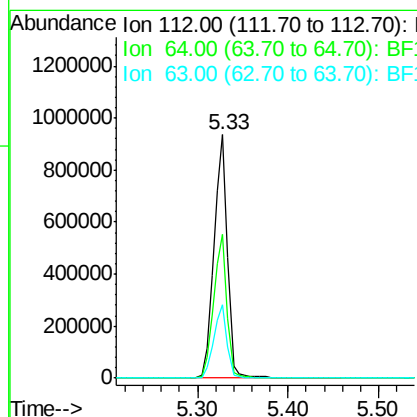
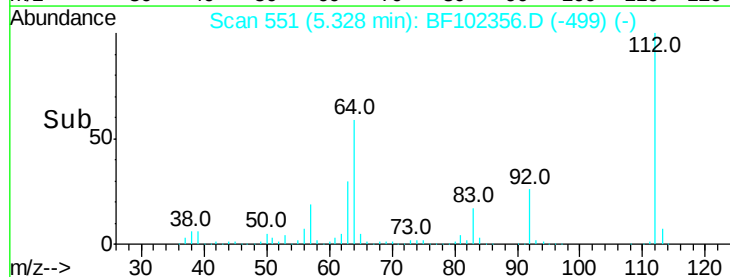
#5

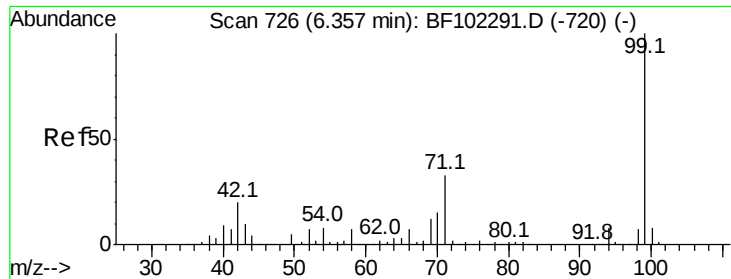
2-Fluorophenol
Concen: 109.498 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

Tgt Ion:112 Resp: 980531
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 30.1 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: 112.195 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

Instrument :

BNA_F

ClientSampled :

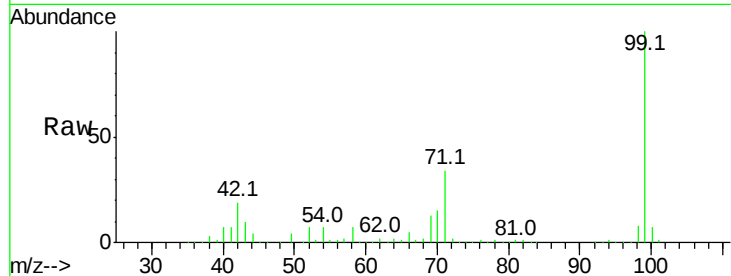
Tot Ion: 99 Resp: 1211237

Ion Ratio Lower Upper

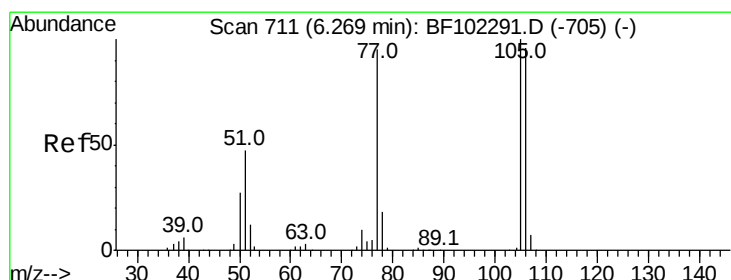
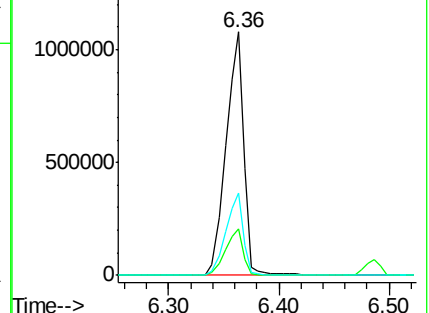
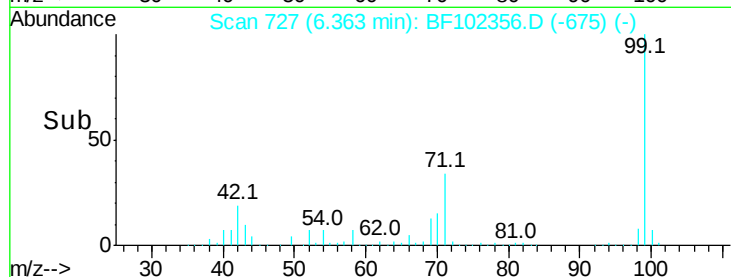
99 100

42 18.8 14.5 21.7

71 33.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.926 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

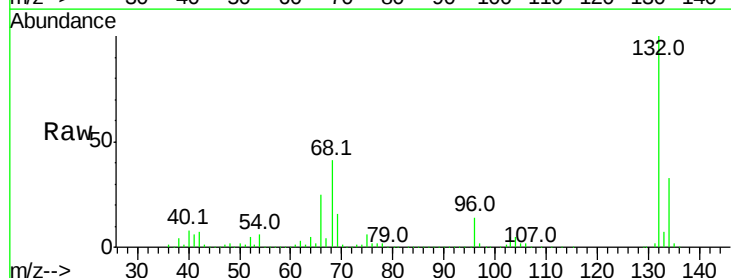
Tgt Ion: 77 Resp: 21950

Ion Ratio Lower Upper

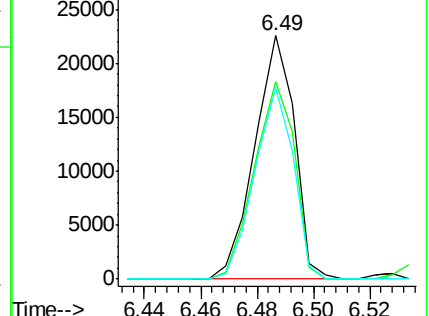
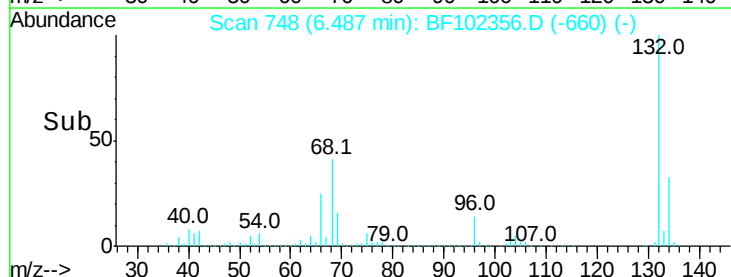
77 100

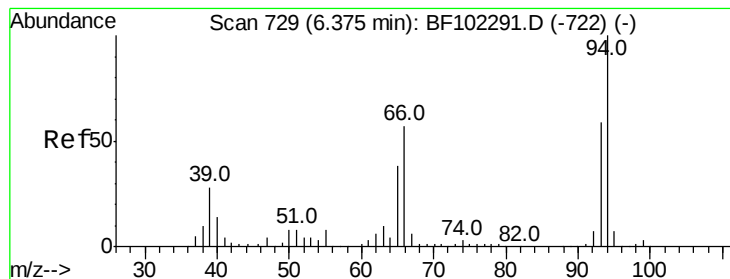
105 81.2 81.1 121.1

106 78.5 74.5 114.5



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





#10

Phenol

Concen: 3.341 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

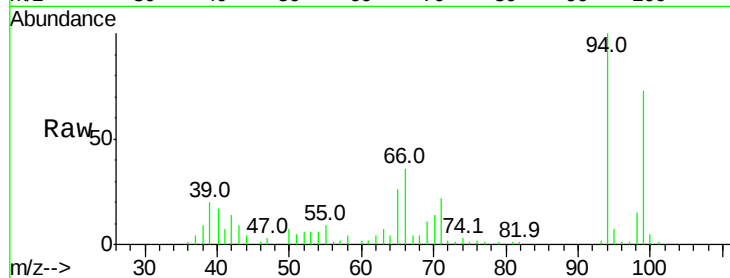
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 39380

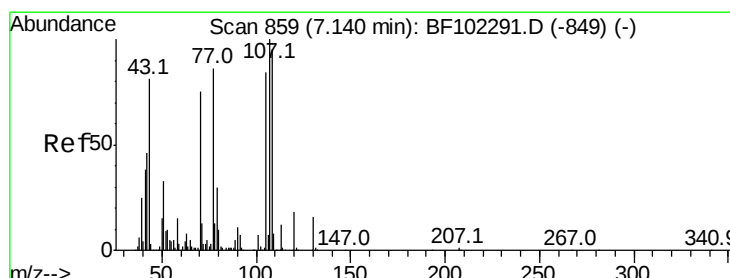
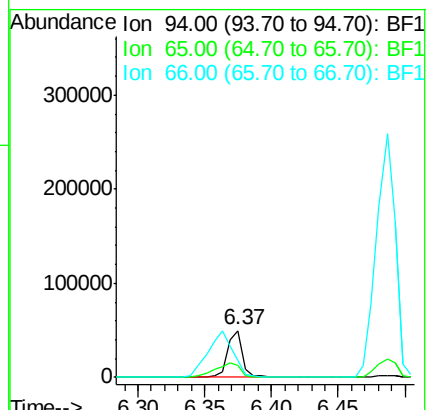
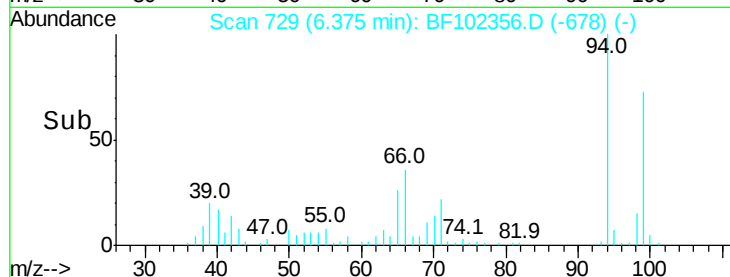
Ion	Ratio	Lower	Upper
94	100		
65	26.2	7.9	47.9
66	36.3	16.2	56.2



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: 15.417 ng

RT: 7.29 min Scan# 884

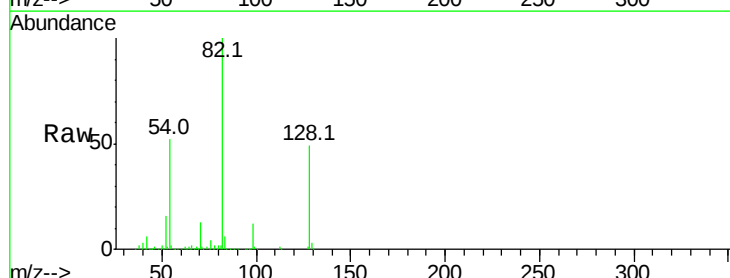
Delta R.T. 0.15 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

Tgt Ion: 70 Resp: 101855

Ion	Ratio	Lower	Upper
70	100		
42	48.8	47.5	71.3
101	0.0	7.4	11.2#
130	2.6	16.6	25.0#

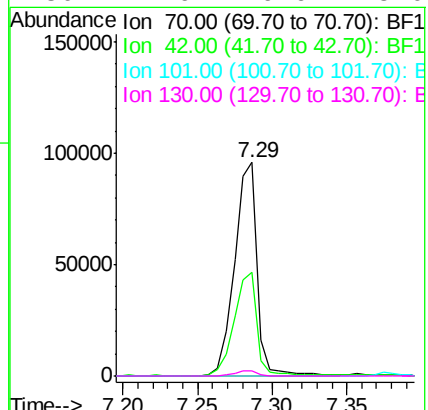
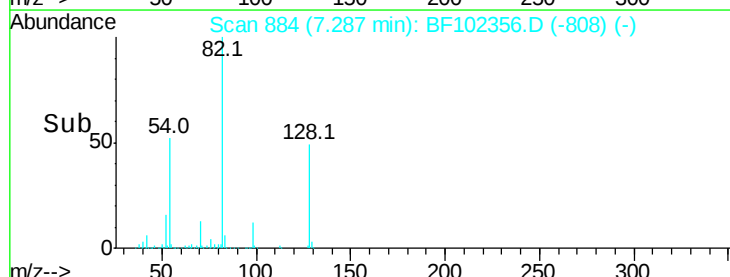


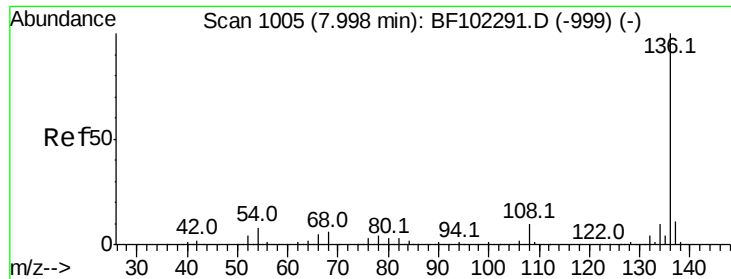
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

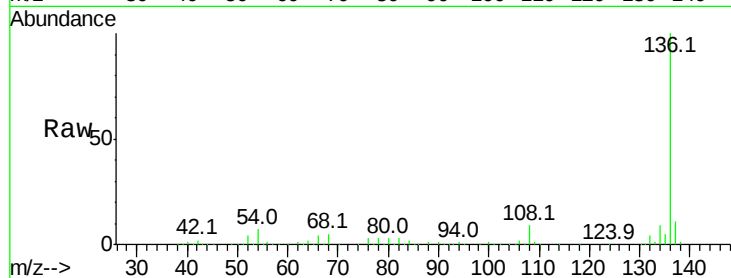




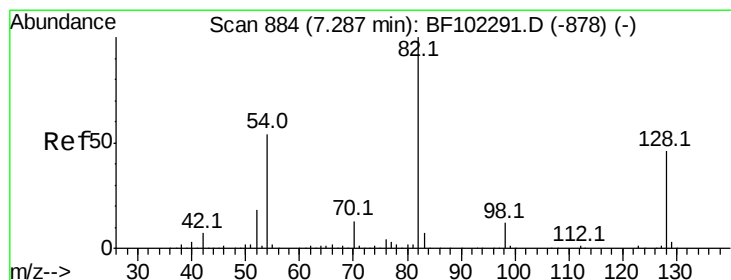
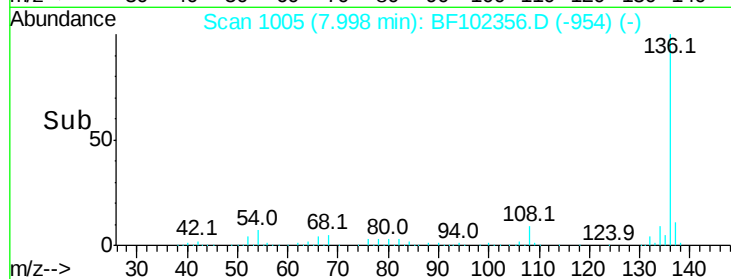
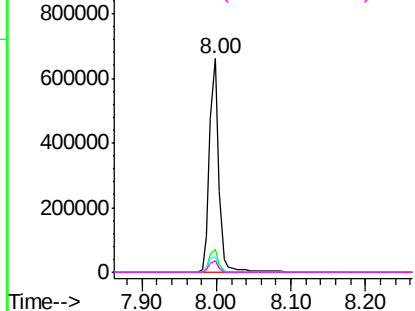
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	579388
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	6.6	9.8
68	5.2	5.0	7.4

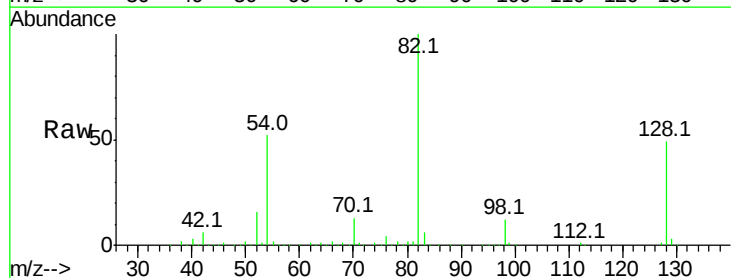


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

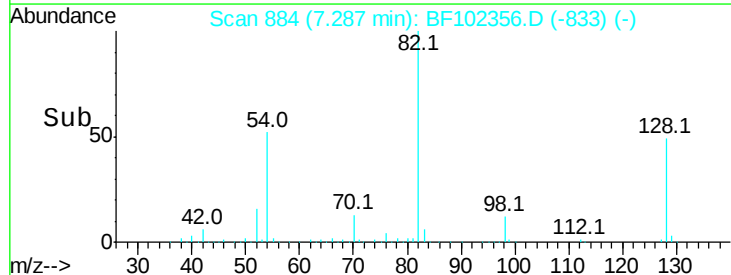
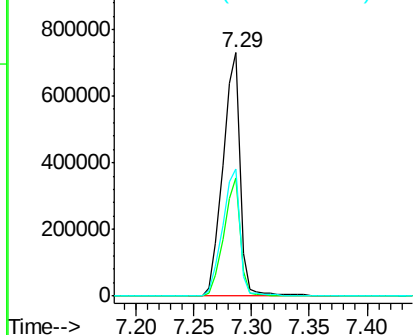


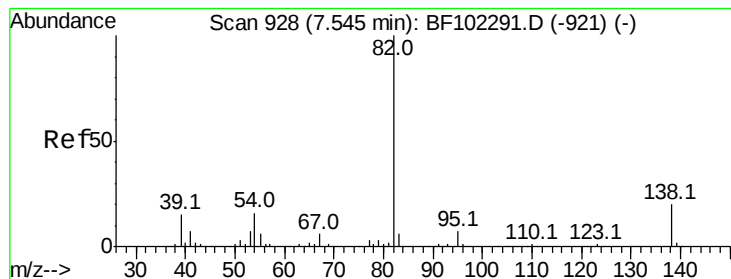
#23
Nitrobenzene-d5
Concen: 75.558 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

Tgt Ion:	82	Resp:	761788
Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.1	54.1
54	52.1	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: 41.902 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

Instrument :

BNA_F

ClientSampled :

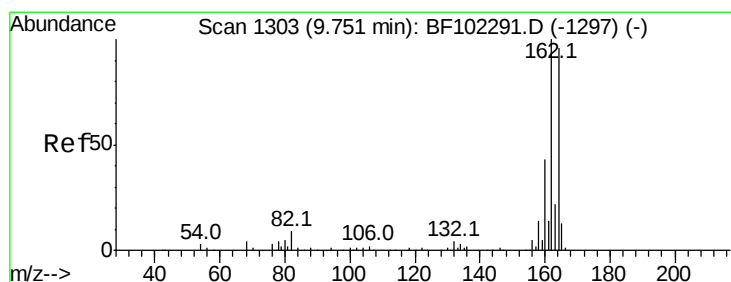
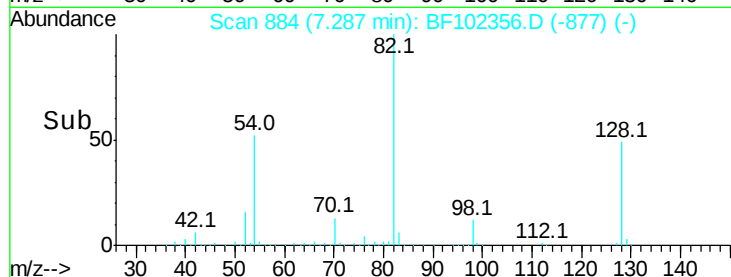
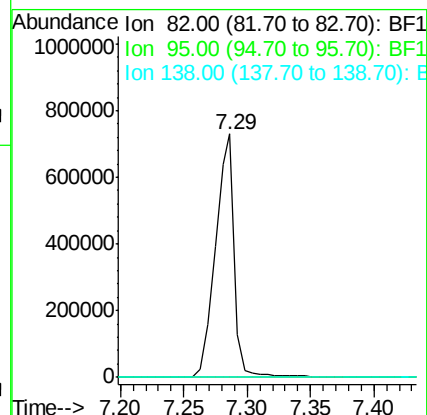
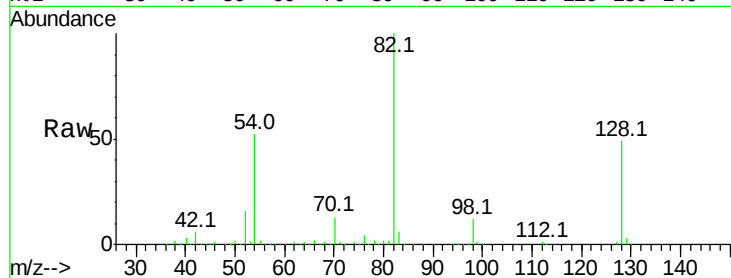
Tot Ion: 82 Resp: 753149

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

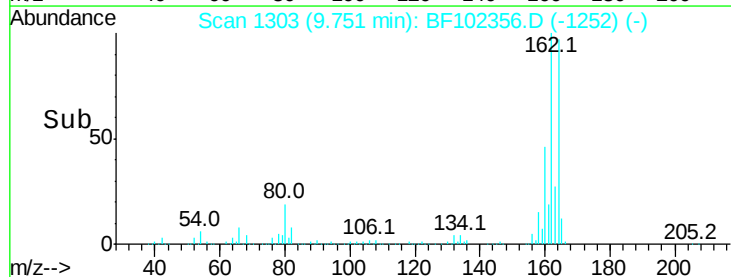
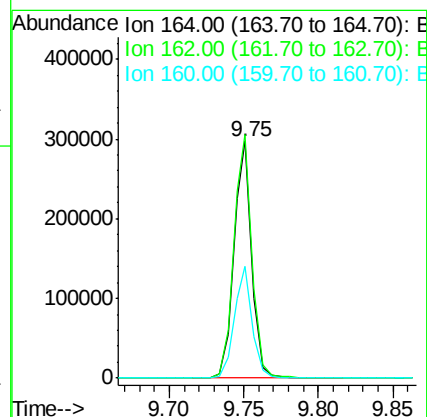
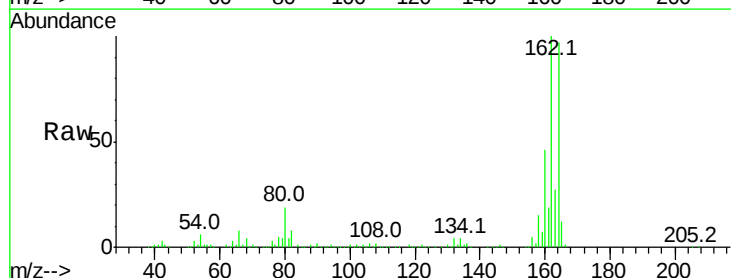
Tgt Ion:164 Resp: 250779

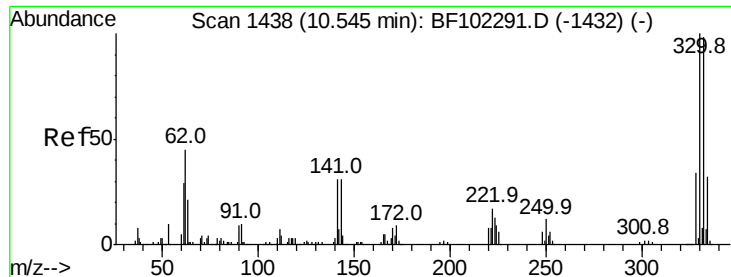
Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

160 46.9 38.3 57.5

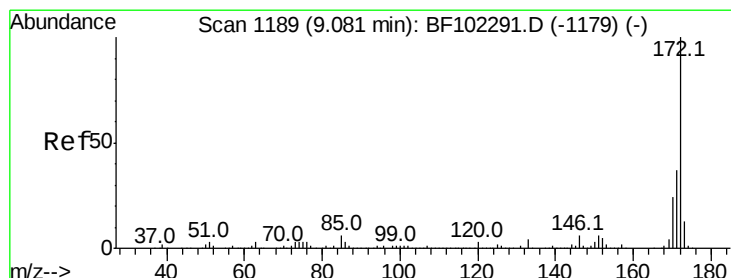
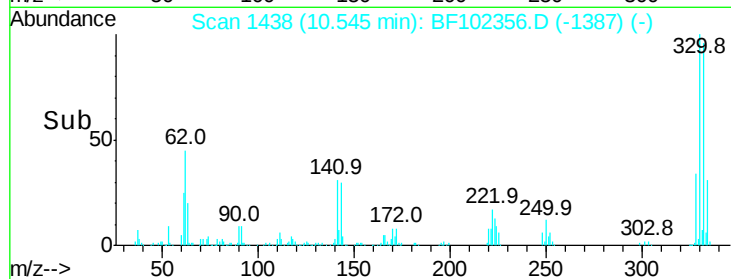
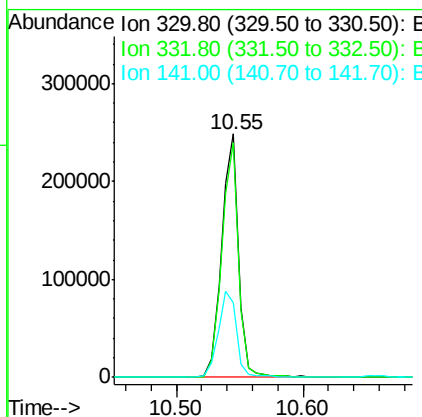
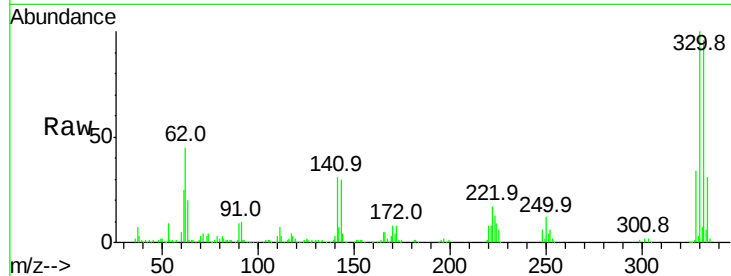




#41
 2,4,6-Tribromophenol
 Concen: 93.394 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102356.D
 Acq: 23 Jan 2018 21:45

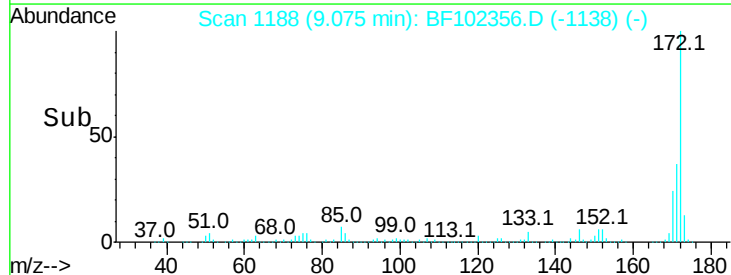
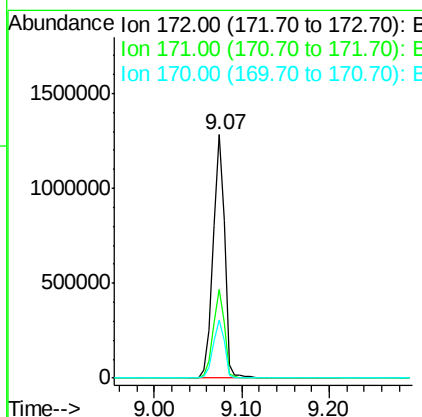
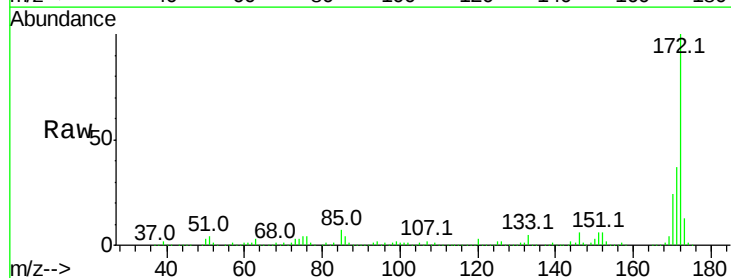
Instrument :
 BNA_F
 ClientSampleId :

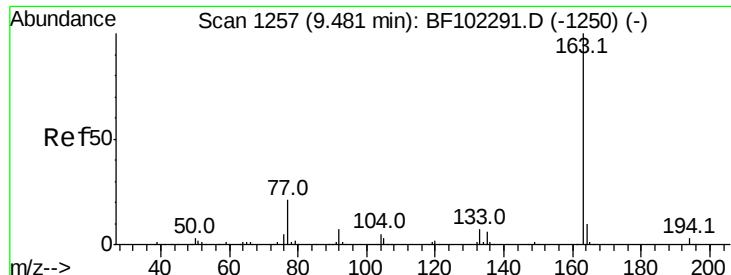
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	39.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 69.545 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102356.D
 Acq: 23 Jan 2018 21:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.9	19.6	29.4

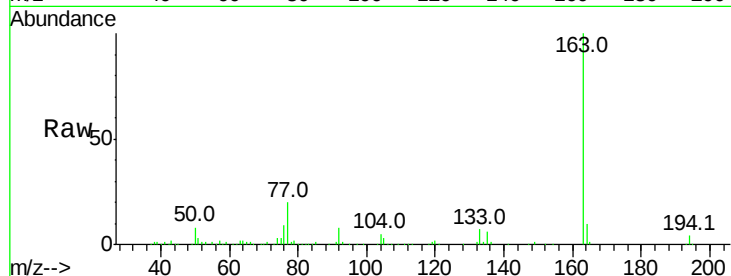




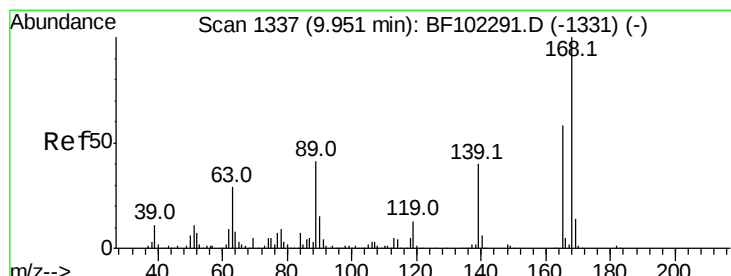
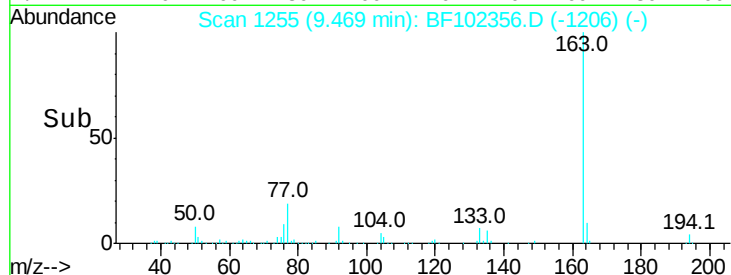
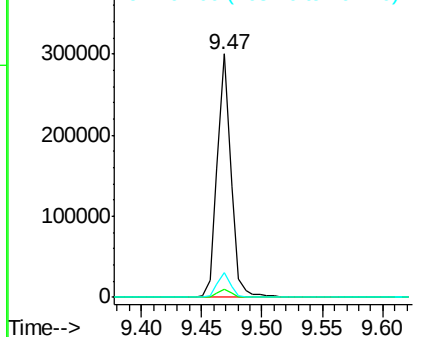
#49
 Dimethylphthalate
 Concen: 11.328 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF102356.D
 Acq: 23 Jan 2018 21:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	163	Resp:	234809
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.2	8.2	12.2

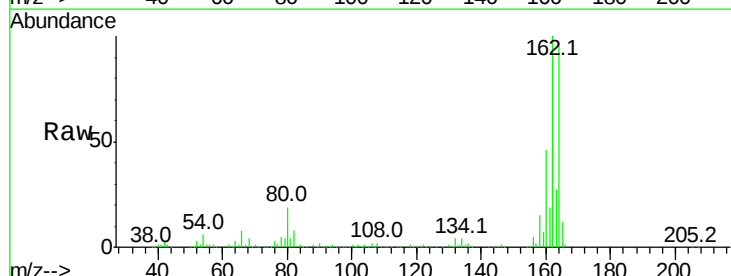


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

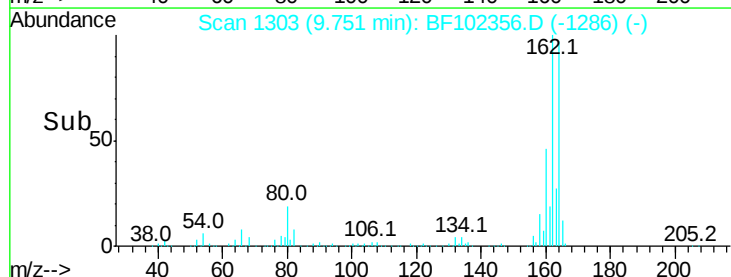
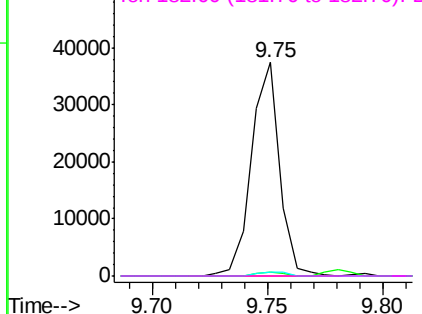


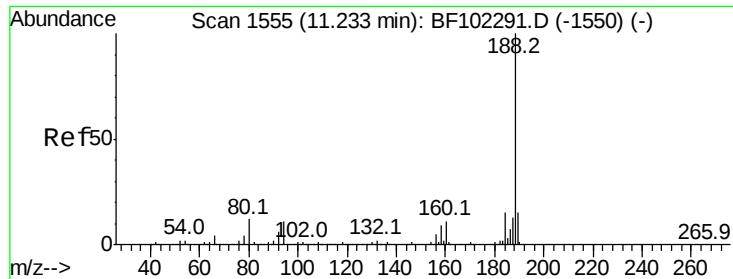
#56
 2,4-Dinitrotoluene
 Concen: 5.812 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF102356.D
 Acq: 23 Jan 2018 21:45

Tgt Ion:	165	Resp:	31940
Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

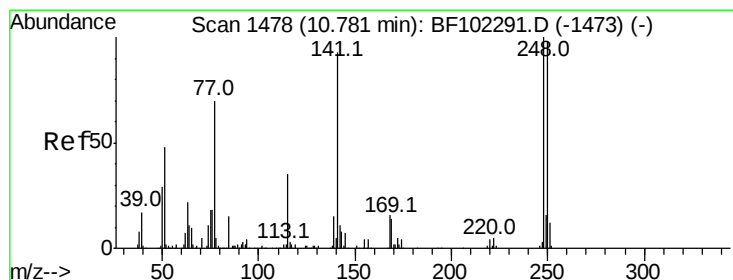
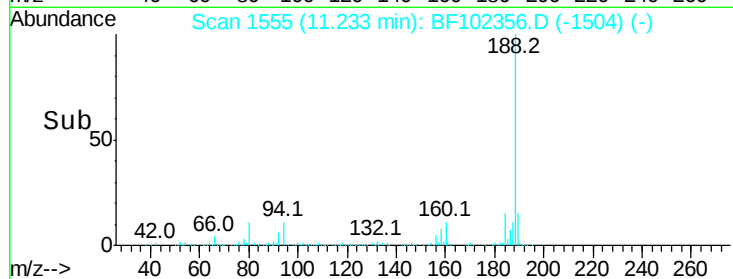
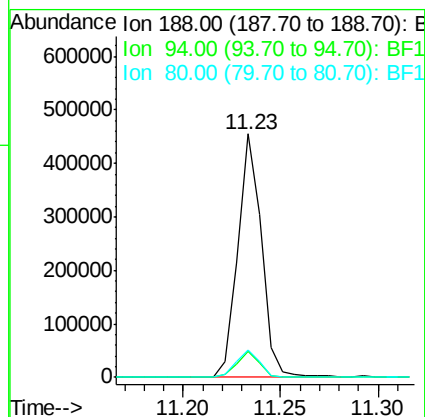
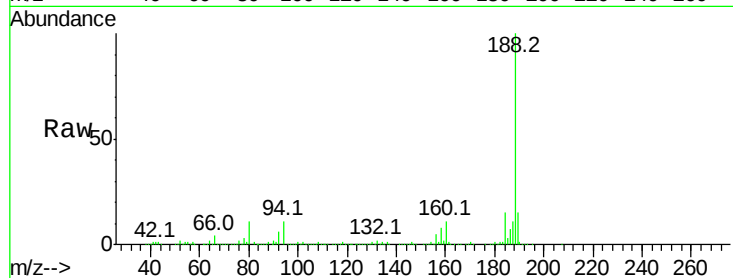




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

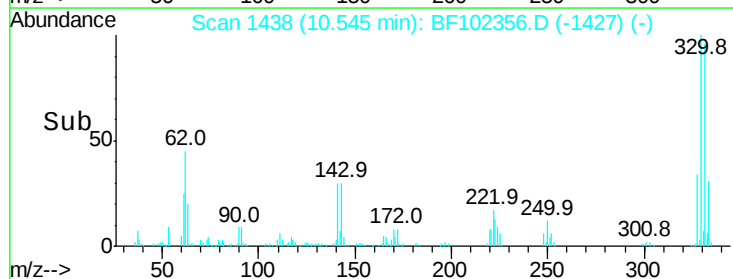
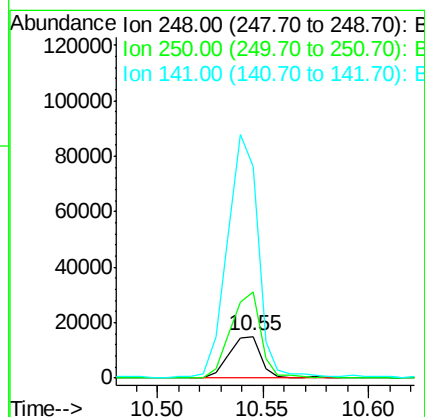
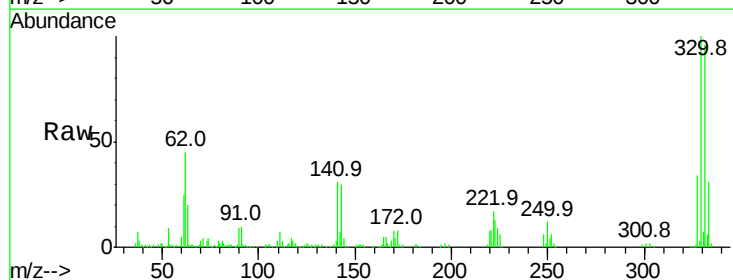
Instrument :
BNA_F
ClientSampleId :

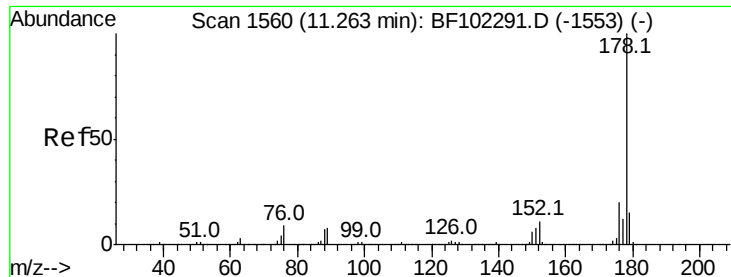
Tot Ion:188 Resp: 382917
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.816 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

Tgt Ion:248 Resp: 15731
Ion Ratio Lower Upper
248 100
250 205.9 76.9 115.3#
141 508.4 74.4 111.6#





#70

Phenanthrene

Concen: 7.365 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

Instrument :

BNA_F

ClientSampleId :

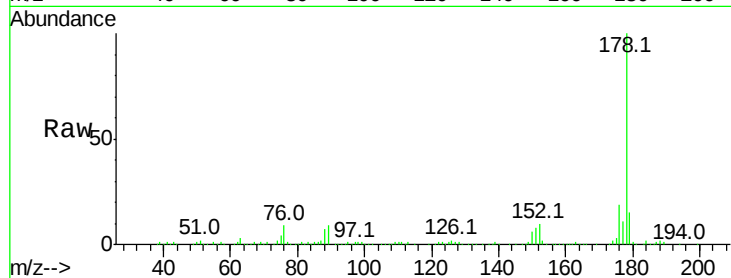
Tot Ion:178 Resp: 164347

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

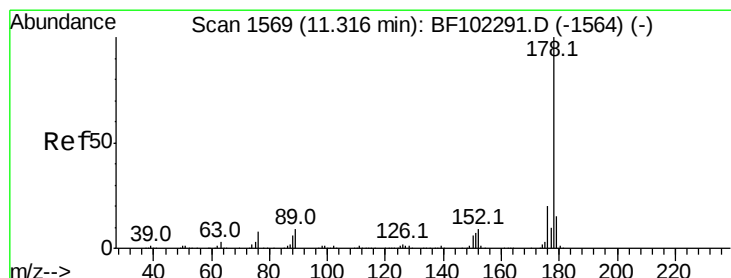
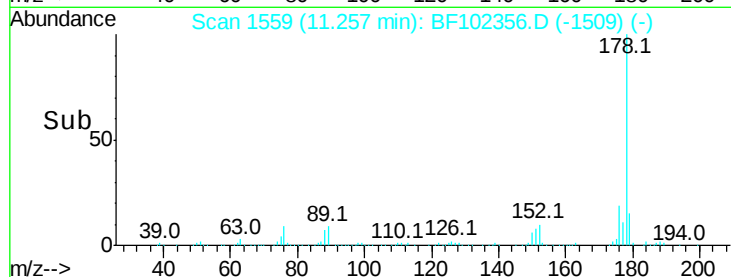
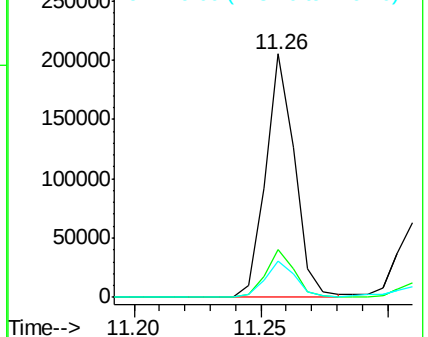
179 15.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.157 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

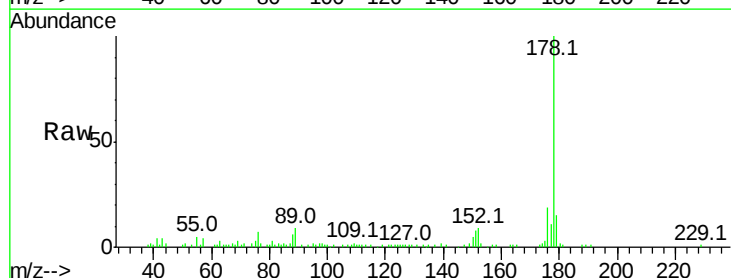
Tgt Ion:178 Resp: 49127

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

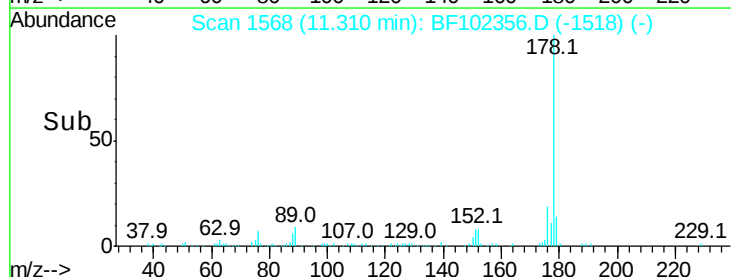
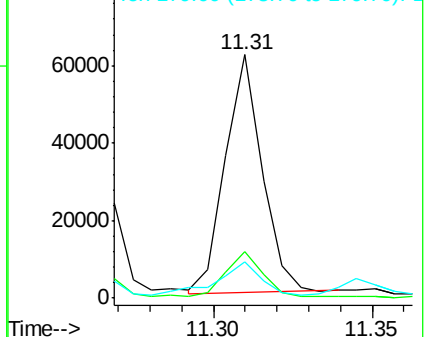
179 14.6 12.6 19.0

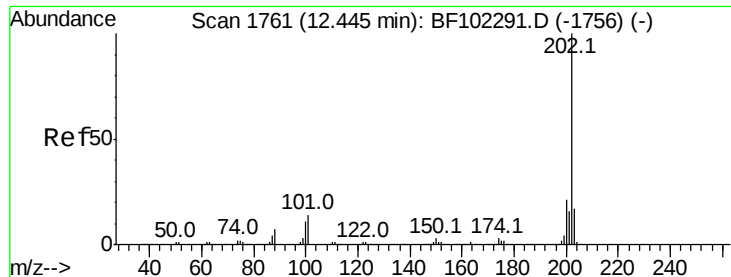


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

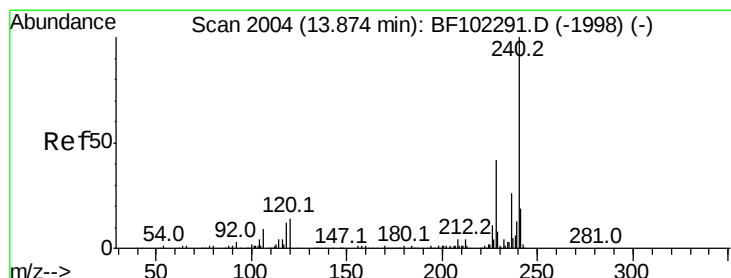
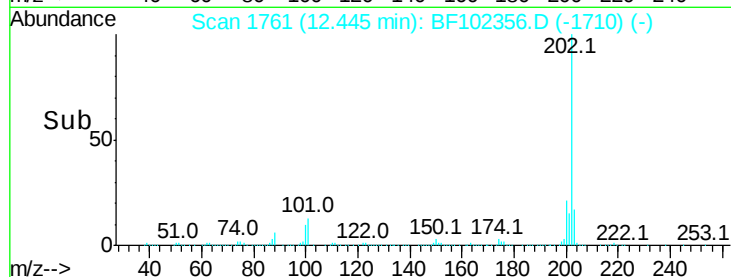
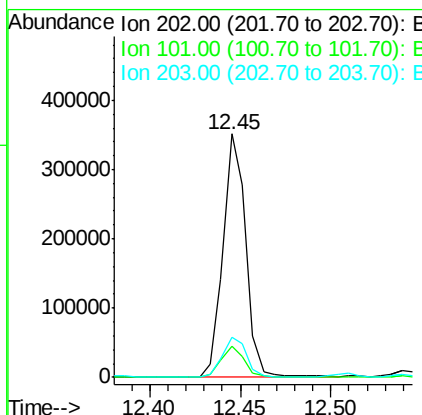
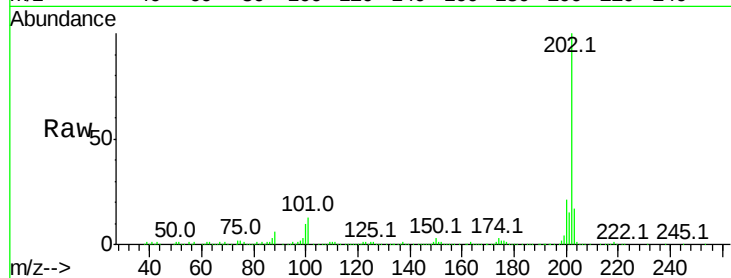




#74
Fluoranthene
 Concen: 13.573 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BF102356.D
 Acq: 23 Jan 2018 21:45

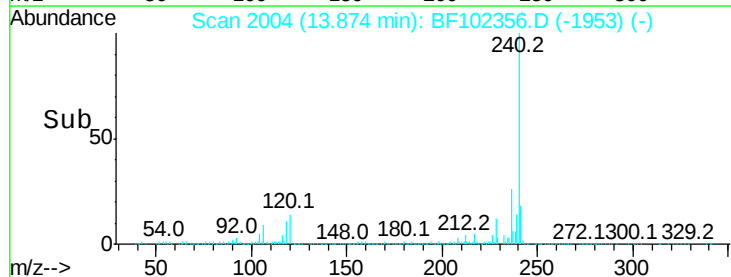
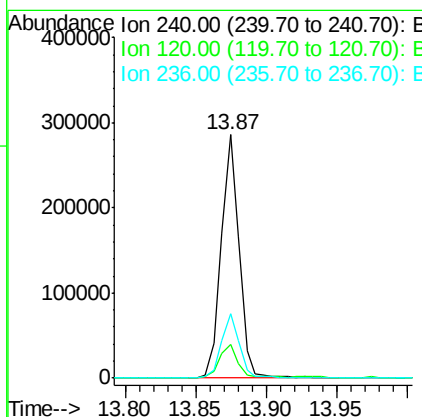
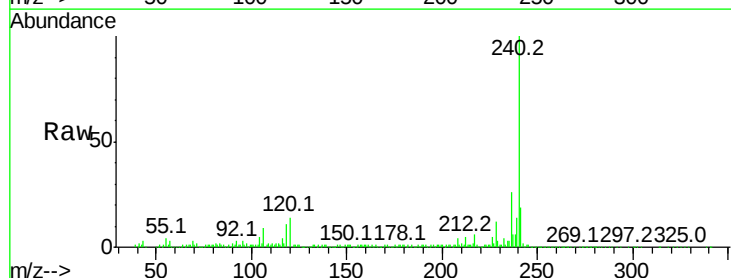
Instrument :
 BNA_F
 ClientSampleId :

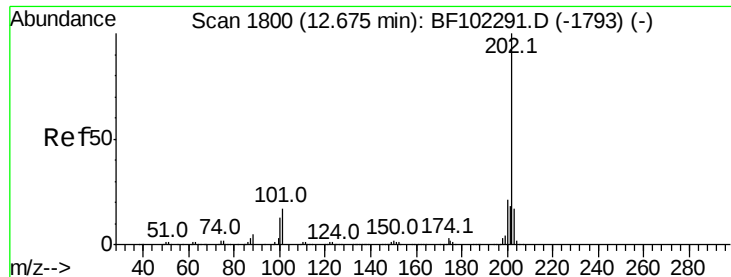
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	16.7	0.0	38.1



#75
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.00 min
 Lab File: BF102356.D
 Acq: 23 Jan 2018 21:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.5	14.3
236	26.2	20.7	31.1





#77

Pvrene

Concen: 14.663 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

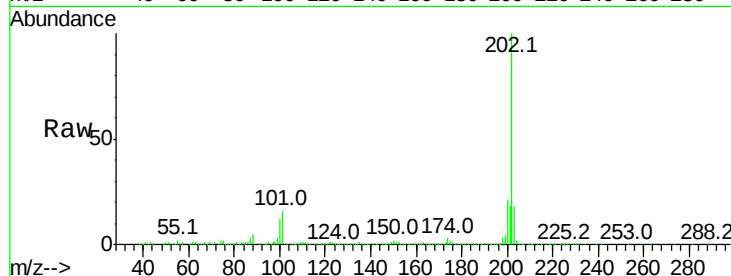
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 283827

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	18.0	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

12.67

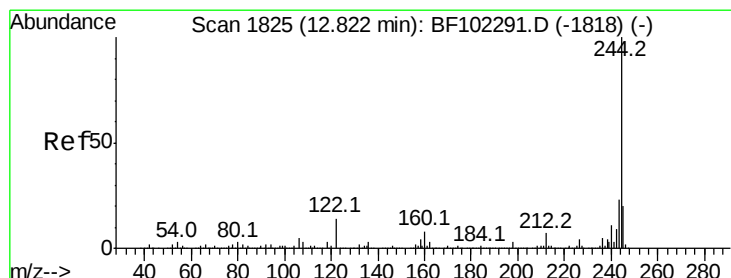
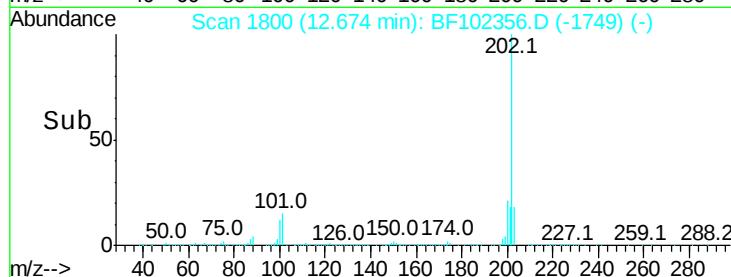
300000

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 71.707 ng

RT: 12.82 min Scan# 1825

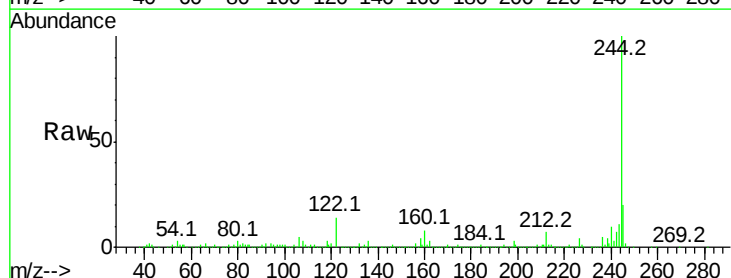
Delta R.T. -0.00 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

Tgt Ion:244 Resp: 796322

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.4	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

12.82

800000

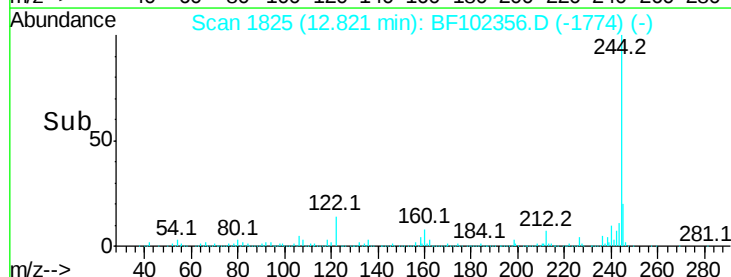
600000

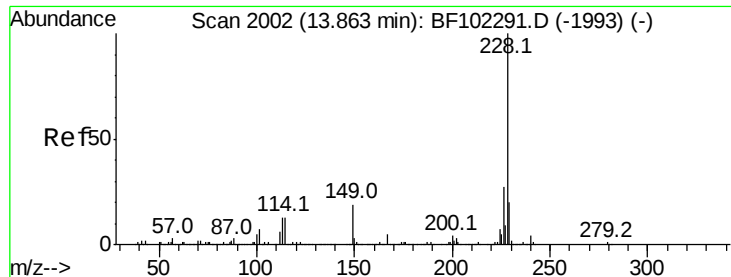
400000

200000

0

Time-->





#80

Benzo(a)anthracene

Concen: 9.383 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

Instrument :

BNA_F

ClientSampleId :

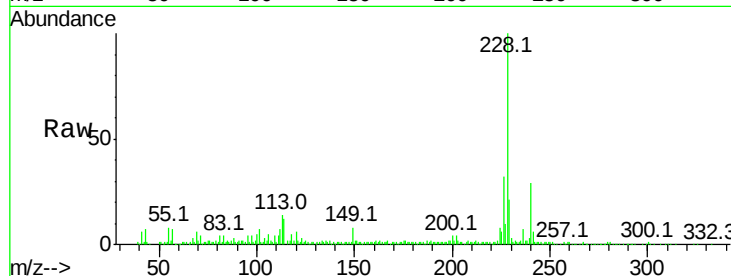
Tot Ion:228 Resp: 144618

Ion Ratio Lower Upper

228 100

226 31.5 22.6 33.8

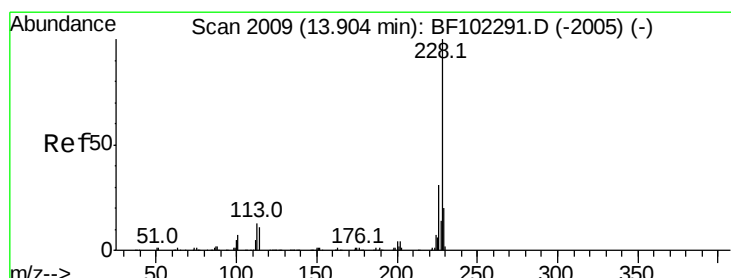
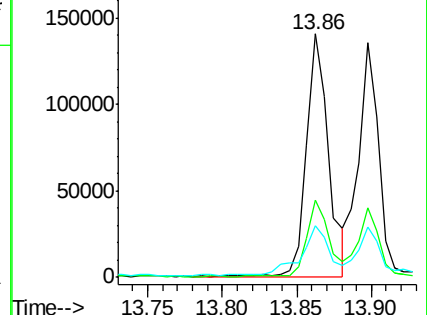
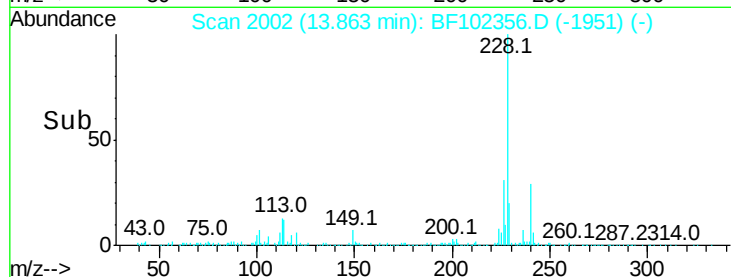
229 21.0 15.8 23.6



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: 8.115 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

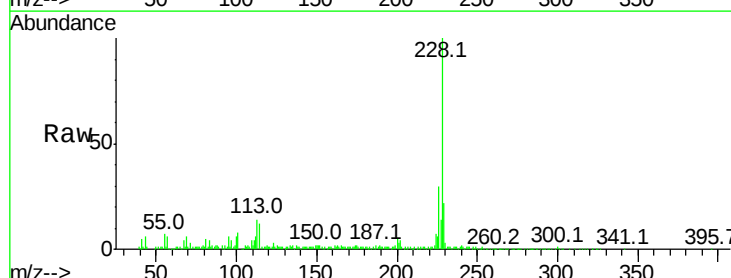
Tgt Ion:228 Resp: 127017

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

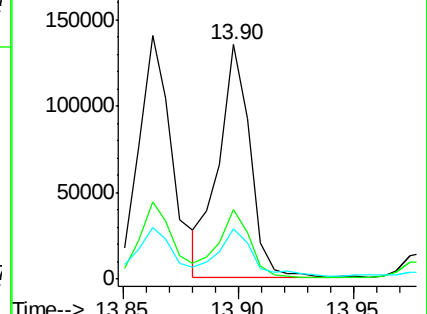
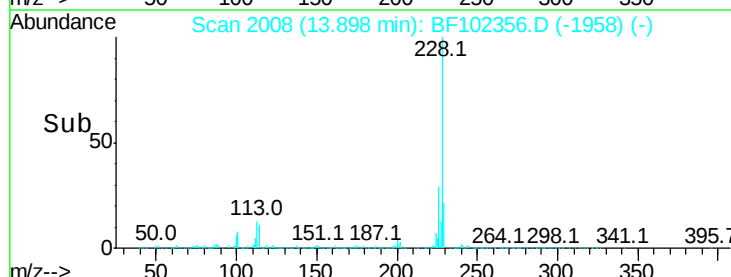
229 21.7 16.2 24.4

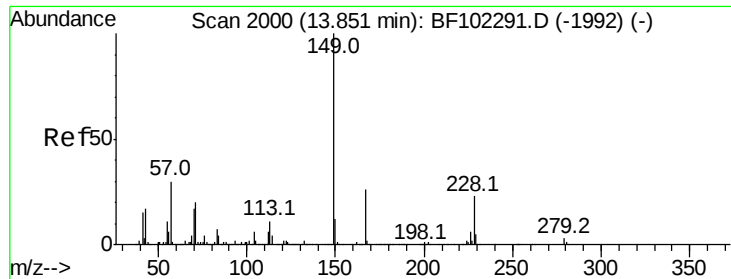


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.379 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.00 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

Instrument :

BNA_F

ClientSampleId :

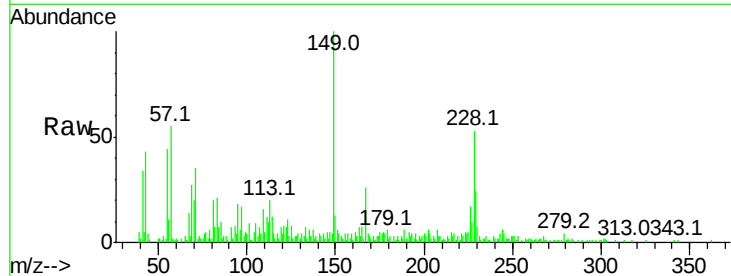
Tot Ion:149 Resp: 30791

Ion Ratio Lower Upper

149 100

167 25.7 21.3 31.9

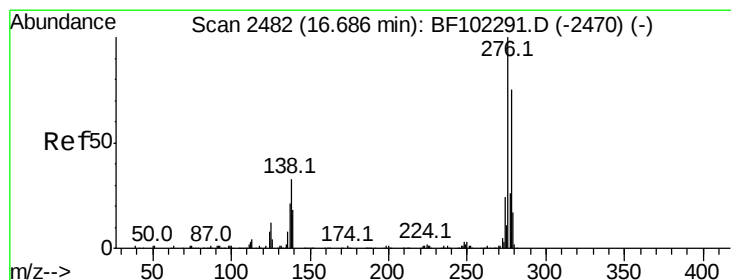
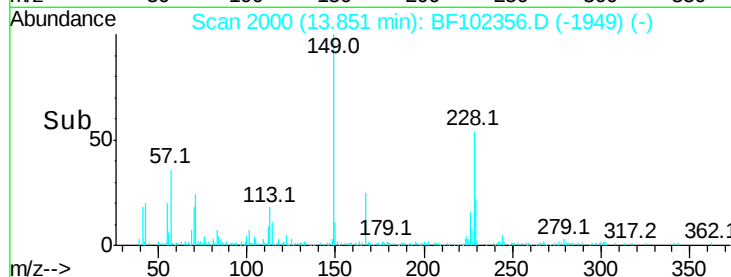
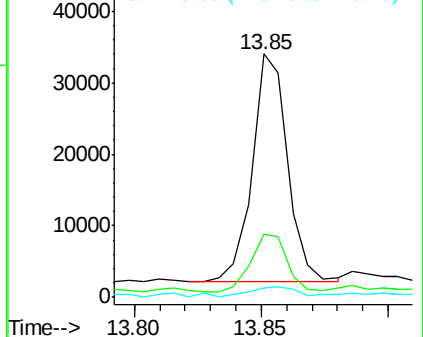
279 3.7 3.0 4.4



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: 4.570 ng

RT: 16.69 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

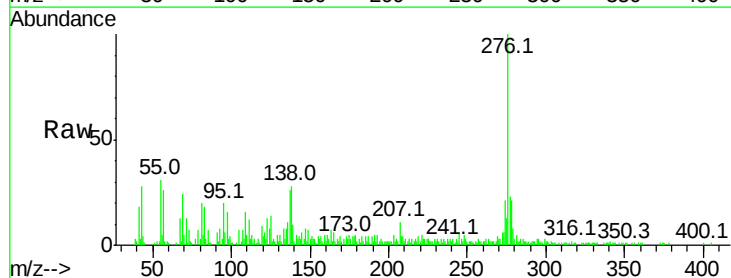
Tgt Ion:276 Resp: 59081

Ion Ratio Lower Upper

276 100

138 30.0 25.0 37.6

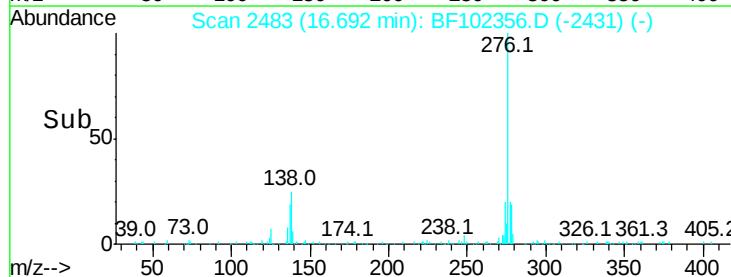
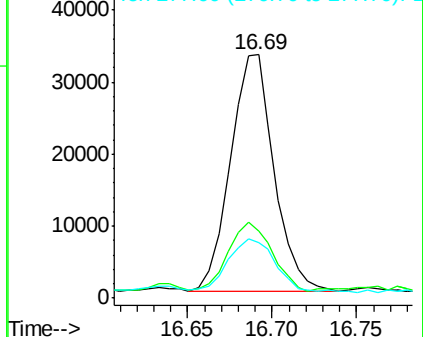
277 26.0 20.1 30.1

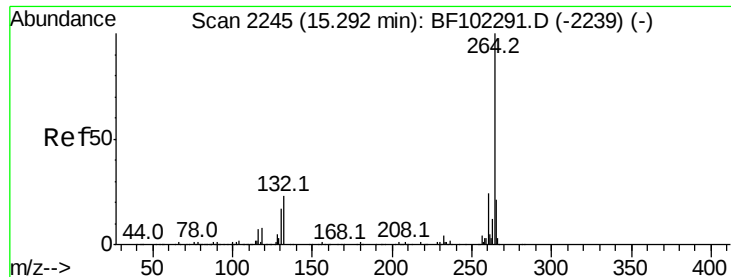


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

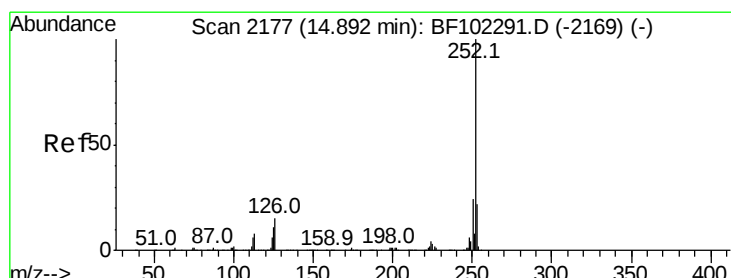
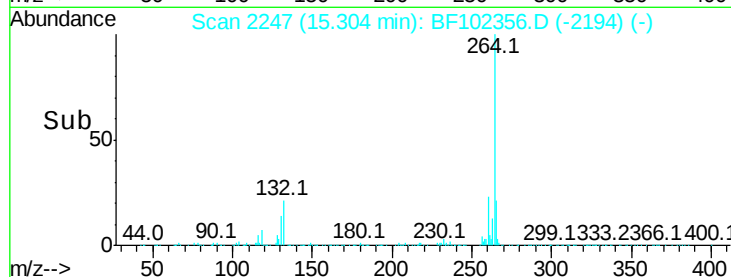
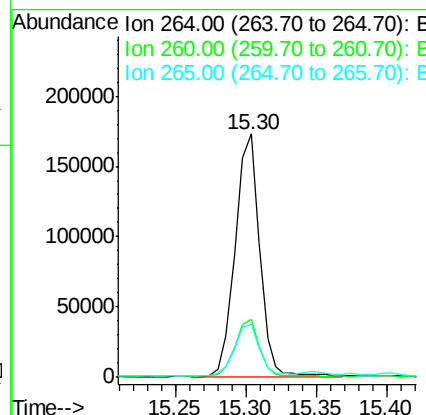
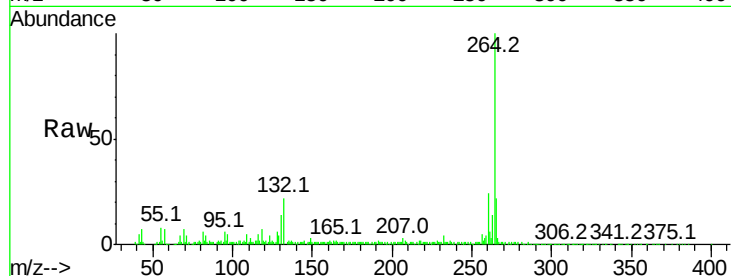




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

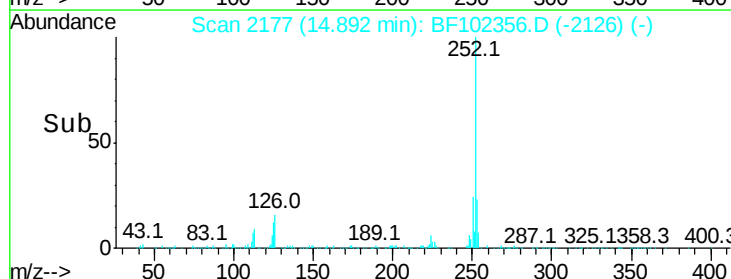
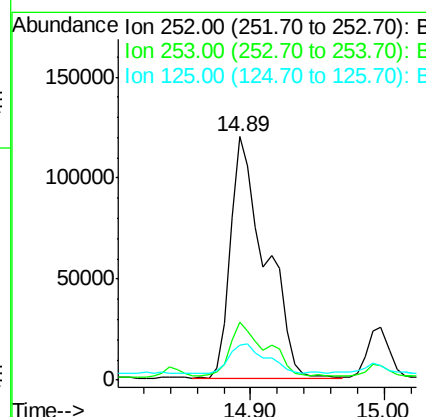
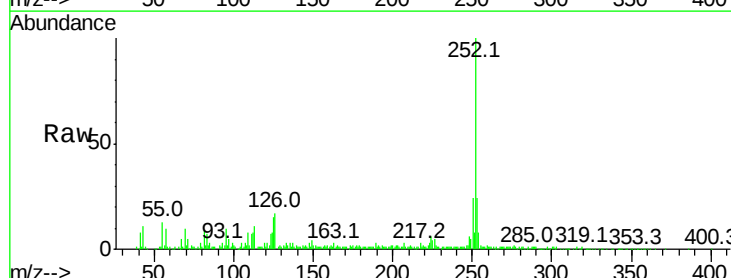
Instrument :
BNA_F
ClientSampleId :

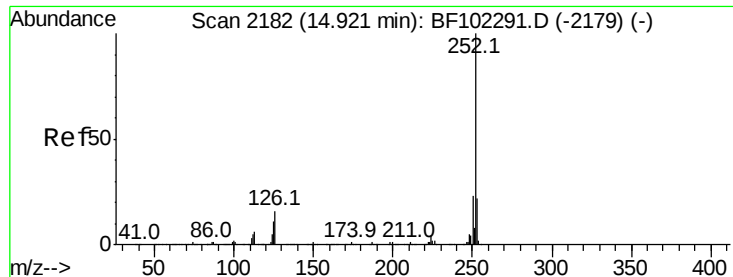
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 16.110 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	14.6	9.0	13.6#

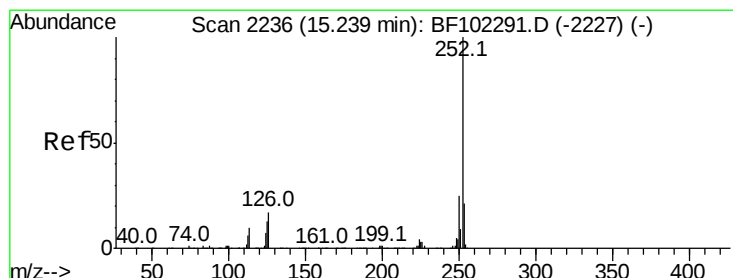
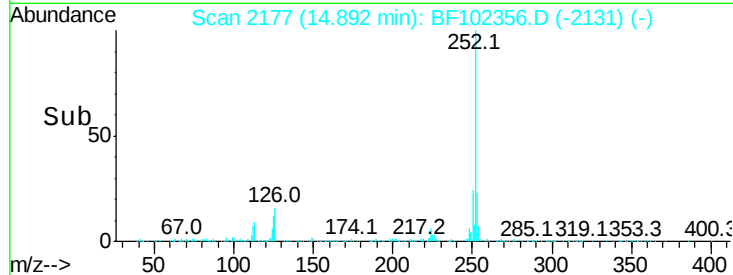
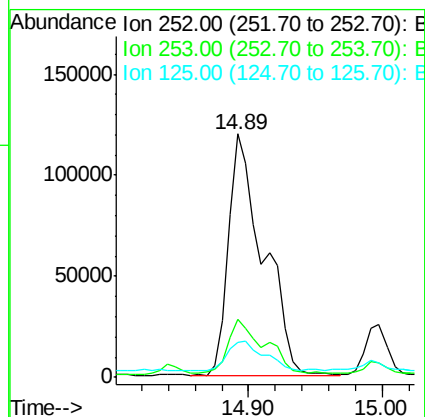
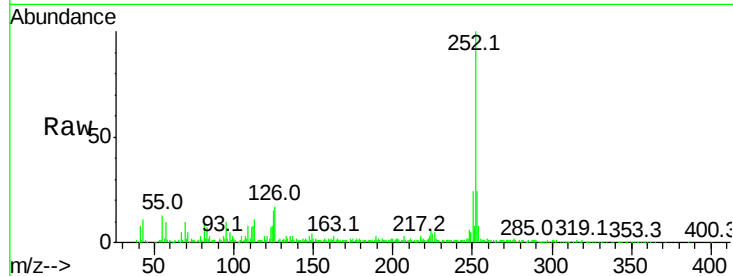




#88
Benzo(k)fluoranthene
Concen: 17.052 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.03 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

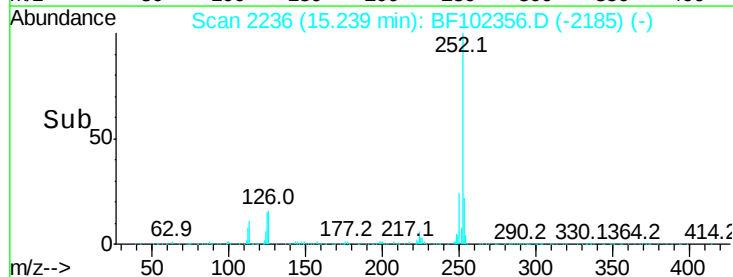
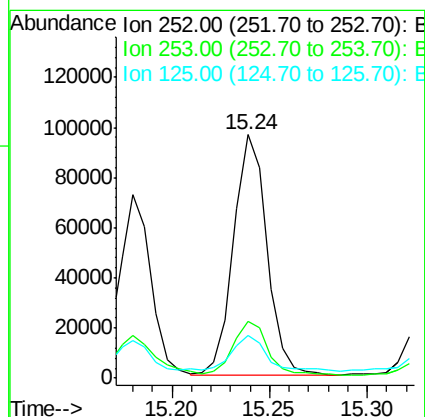
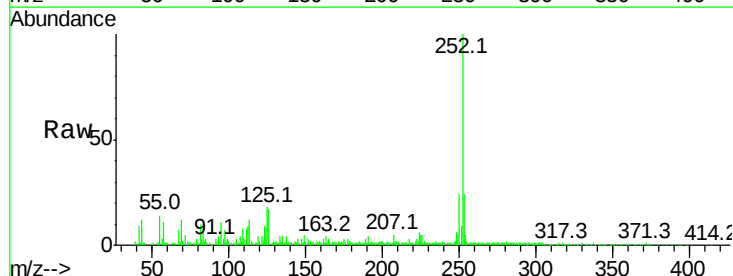
Instrument :
BNA_F
ClientSampleId :

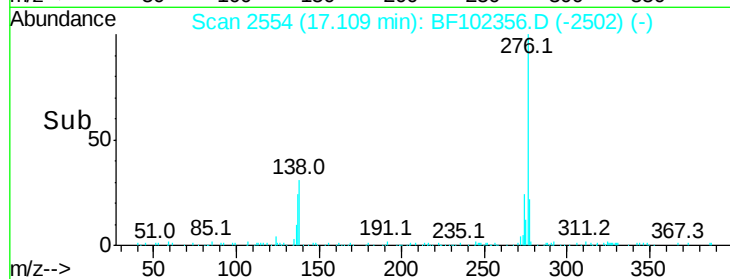
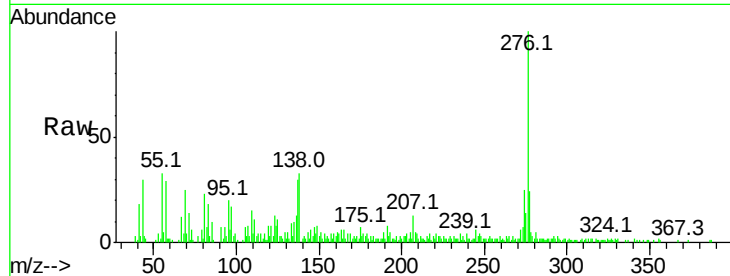
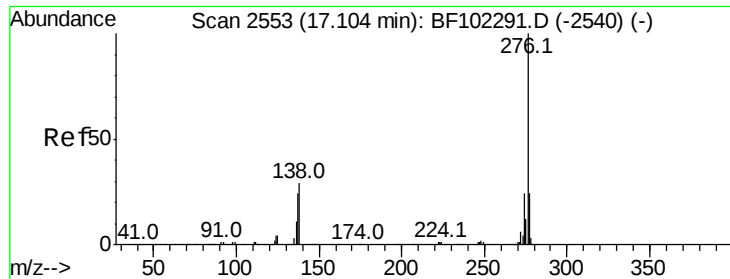
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	14.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 9.391 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF102356.D
Acq: 23 Jan 2018 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	17.5	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 6.255 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.01 min

Lab File: BF102356.D

Acq: 23 Jan 2018 21:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 61158

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 33.0 21.8 32.8#

