

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103996.D
 Acq On : 28 Mar 2018 4:22
 Operator : JU/SJ
 Sample : J2069-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 07:12:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	136912	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	558335	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	245438	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	390763	20.00	ng	0.00
75) Chrysene-d12	14.16	240	273335	20.00	ng	0.00
86) Perylene-d12	15.72	264	244049	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	253660	28.18	ng	0.00
7) Phenol-d6	6.60	99	684427	62.15	ng	0.00
23) Nitrobenzene-d5	7.53	82	498576	62.27	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	33038	15.66	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	949233	61.69	ng	0.00
78) Terphenyl-d14	13.09	244	731426	62.11	ng	0.00

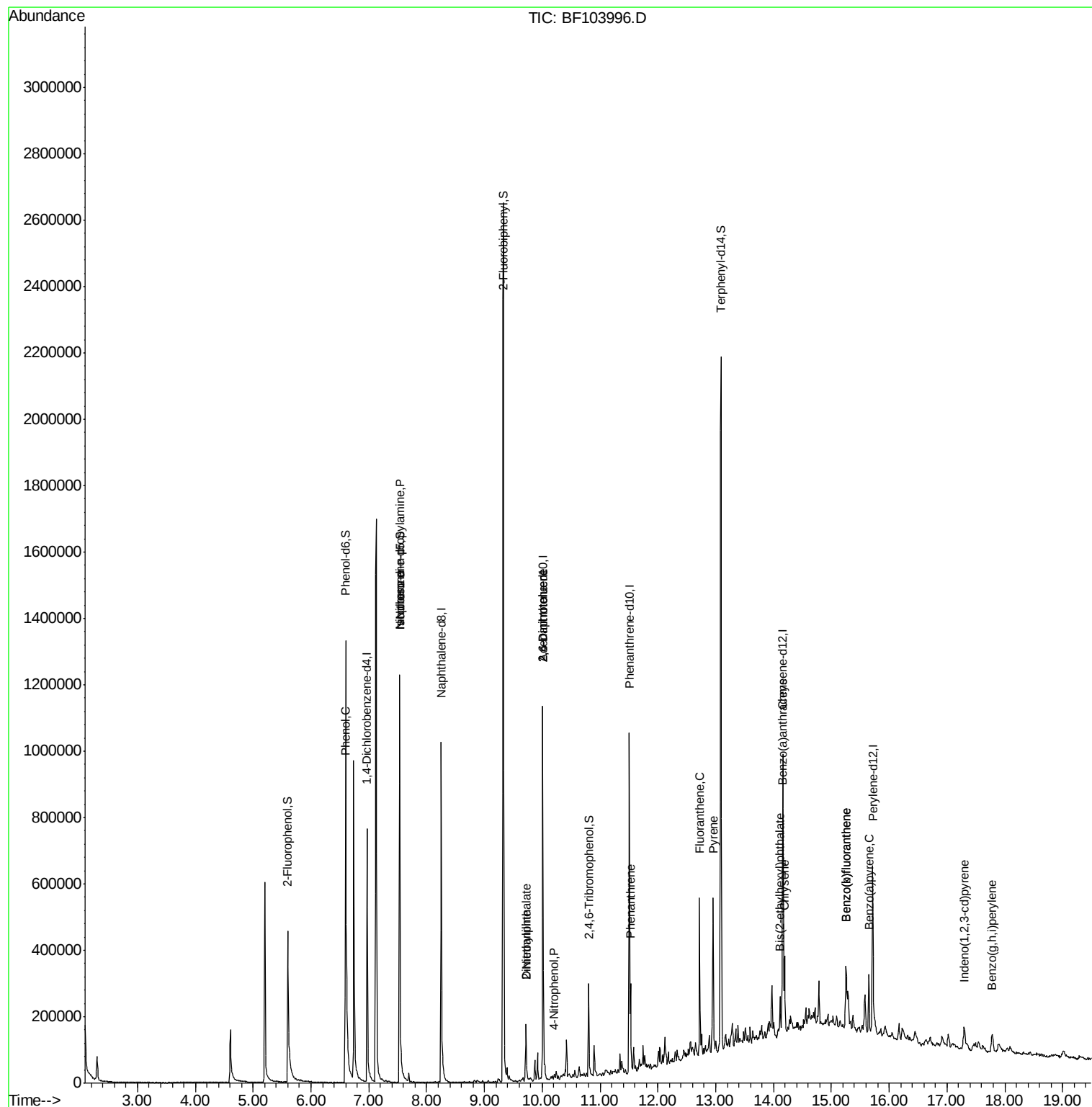
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	50632	4.327	ng	80
19) n-Nitroso-di-n-propylamine	7.53	70	64341	9.116	ng	# 71
25) Isophorone	7.53	82	498573	26.900	ng	# 64
47) 2-Nitroaniline	9.72	65	687	6.953	ng	# 1
49) Dimethylphthalate	9.72	163	72800	3.888	ng	99
50) 2,6-Dinitrotoluene	10.01	165	31423	11.938	ng	# 25
55) 4-Nitrophenol	10.22	139	2124	5.551	ng	# 30
56) 2,4-Dinitrotoluene	10.01	165	31579	12.204	ng	# 23
70) Phenanthrene	11.53	178	90771	4.246	ng	99
74) Fluoranthene	12.72	202	192285	8.732	ng	99
77) Pyrene	12.96	202	200242	9.975	ng	99
80) Benzo(a)anthracene	14.15	228	102872	5.946	ng	99
82) Chrysene	14.19	228	96361	5.842	ng	97
83) Bis(2-ethylhexyl)phthalate	14.12	149	32564	2.563	ng	99
85) Indeno(1,2,3-cd)pyrene	17.30	276	43200	2.999	ng	# 89
87) Benzo(b)fluoranthene	15.26	252	146796	9.521	ng	# 95
88) Benzo(k)fluoranthene	15.26	252	146796	9.904	ng	98
89) Benzo(a)pyrene	15.65	252	82489	5.899	ng	# 95
91) Benzo(a,h,i)perylene	17.79	276	45576	3.869	ng	97

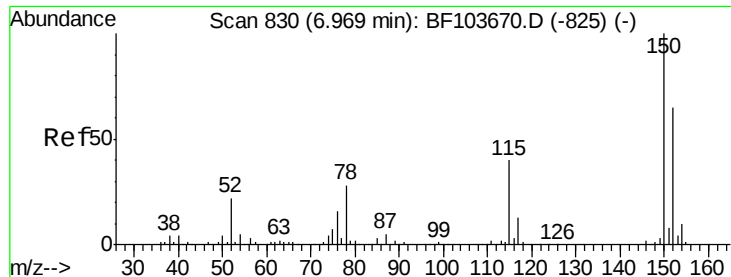
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103996.D
Acq On : 28 Mar 2018 4:22
Operator : JU/SJ
Sample : J2069-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 28 07:12:40 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 2018
Response via : Initial Calibration



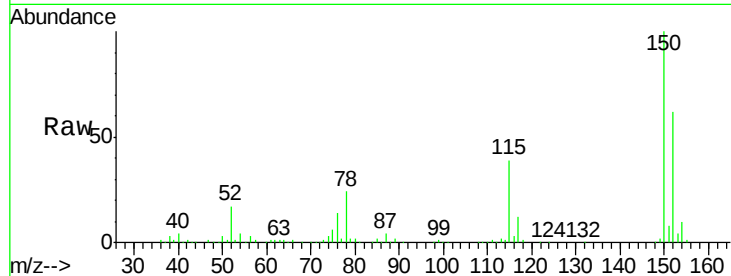


#1

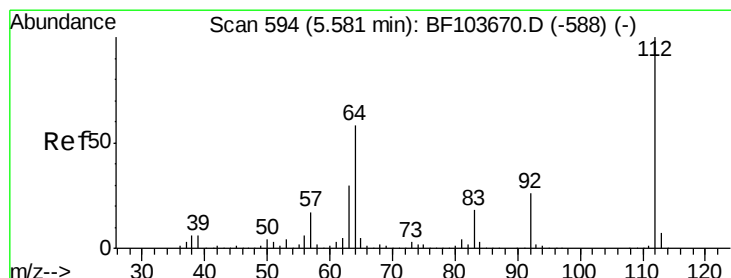
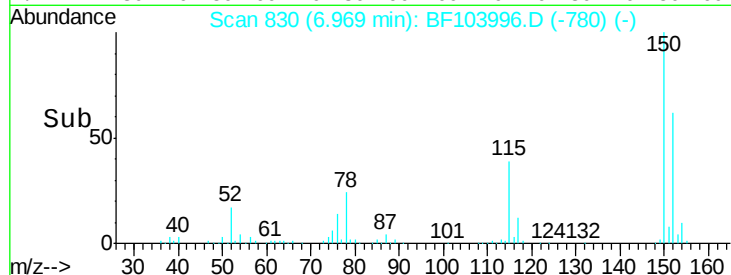
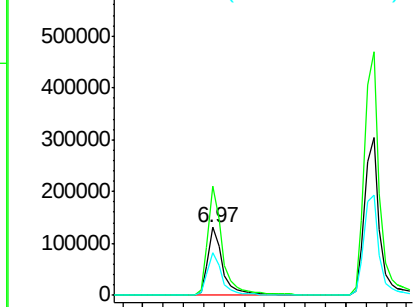
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136912
Ion Ratio Lower Upper
152 100
150 161.5 124.6 186.8
115 62.9 50.1 75.1



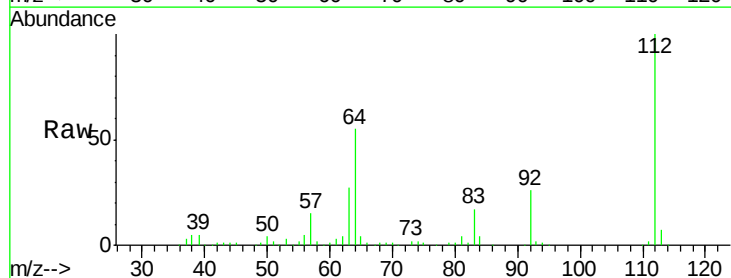
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



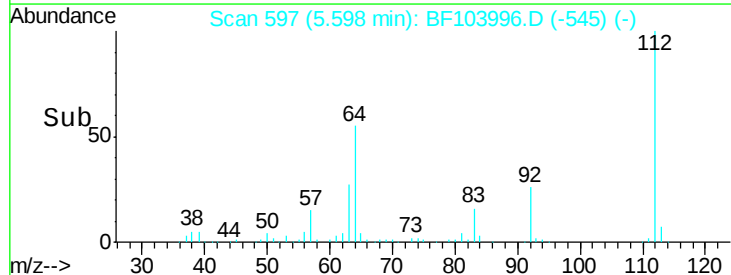
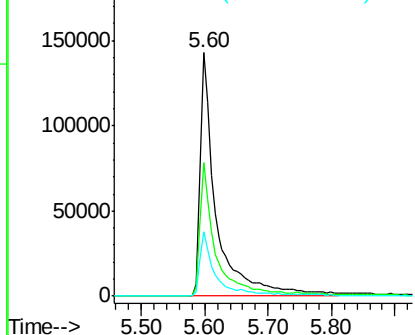
#5

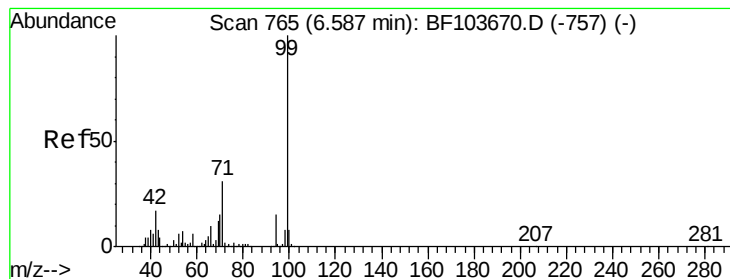
2-Fluorophenol
Concen: 28.180 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion:112 Resp: 253660
Ion Ratio Lower Upper
112 100
64 54.6 47.9 71.9
63 26.7 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: 62.149 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

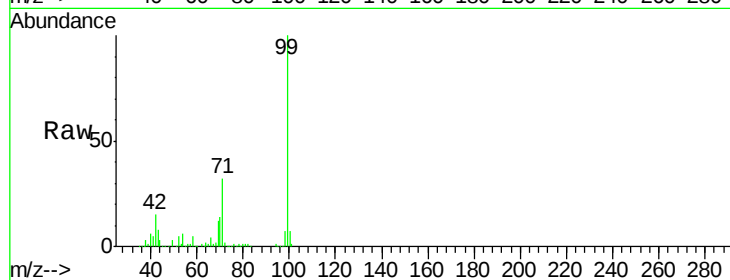
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 684427

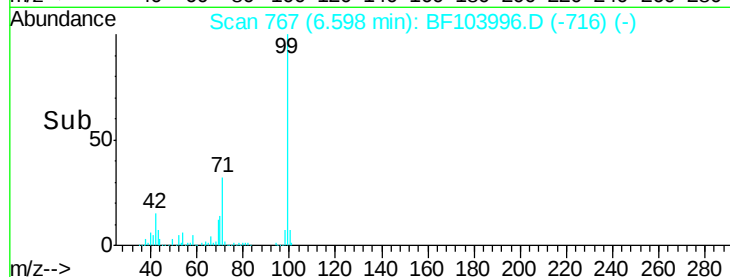
Ion	Ratio	Lower	Upper
99	100		
42	15.0	14.5	21.7
71	31.6	25.4	38.0



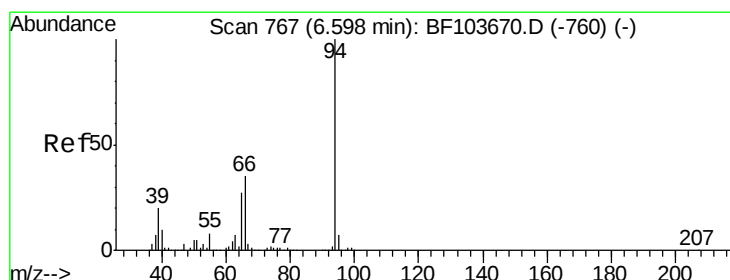
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#10

Phenol

Concen: 4.327 ng

RT: 6.61 min Scan# 769

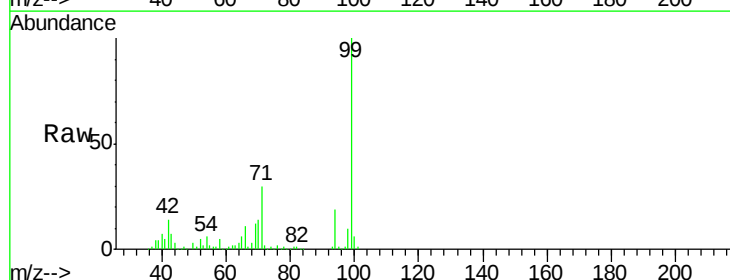
Delta R.T. -0.00 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Tgt Ion: 94 Resp: 50632

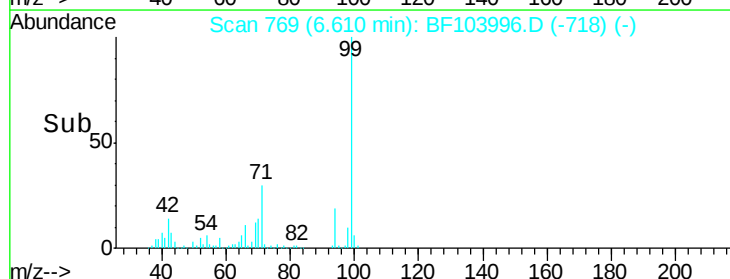
Ion	Ratio	Lower	Upper
94	100		
65	30.5	7.9	47.9
66	54.6	16.2	56.2



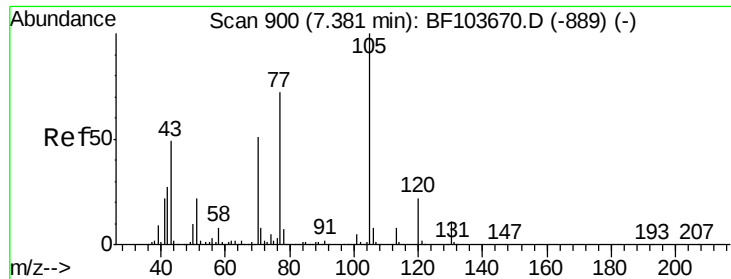
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



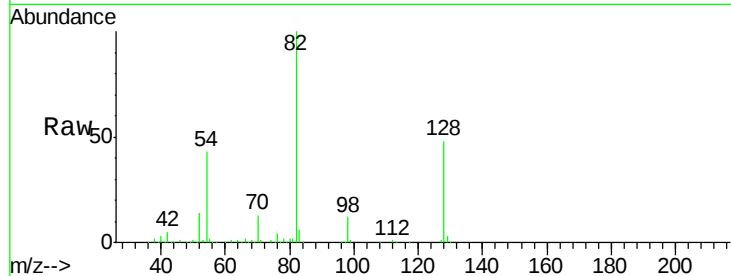
Time-->



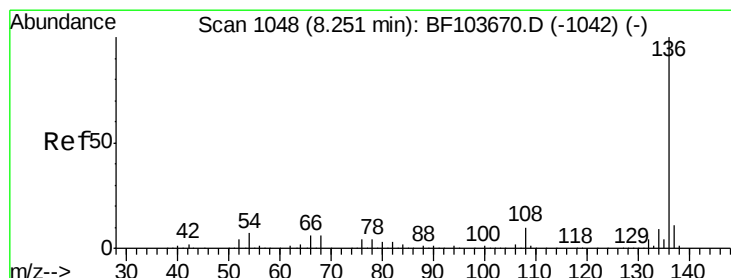
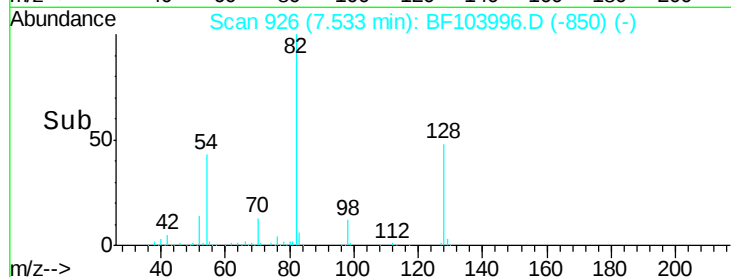
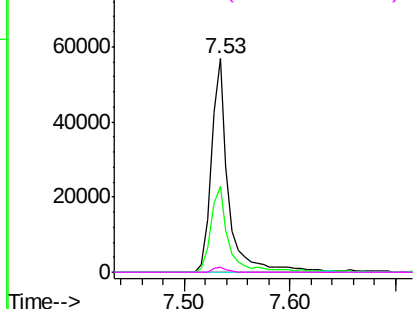
#19
n-Nitroso-di-n-propylamine
Concen: 9.116 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 64341
Ion Ratio Lower Upper
70 100
42 40.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

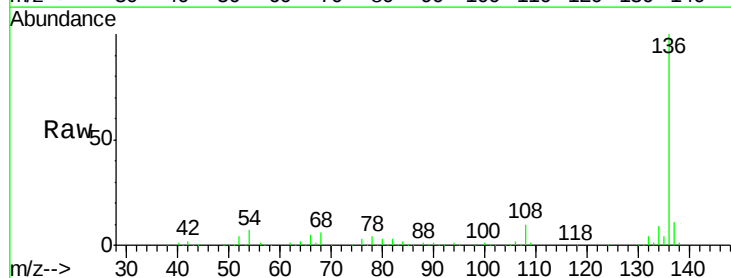


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

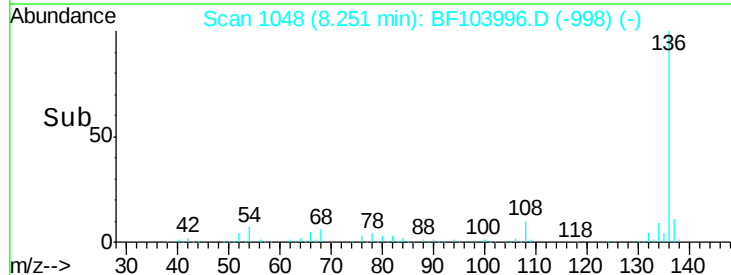
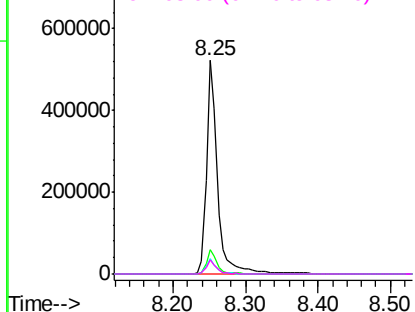


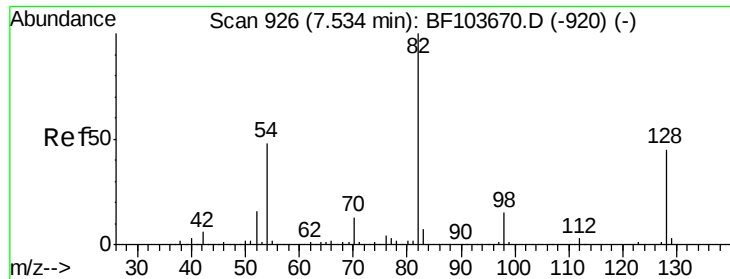
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion: 136 Resp: 558335
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.3 6.6 9.8
68 6.3 5.0 7.4



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

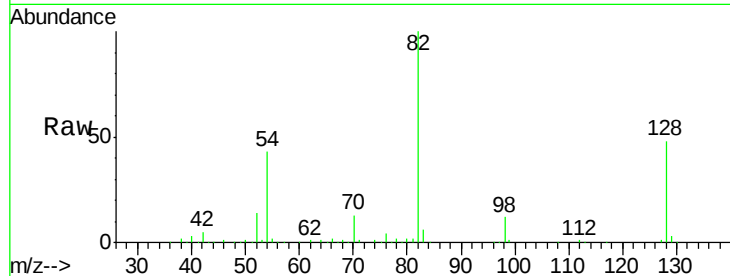




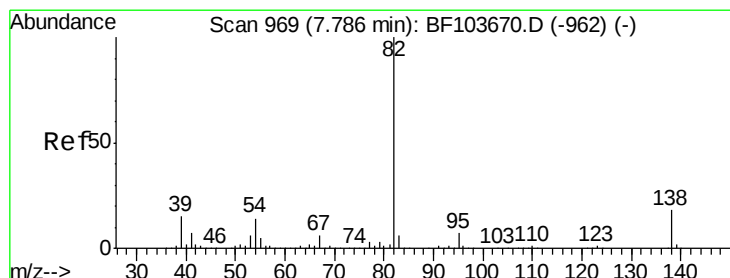
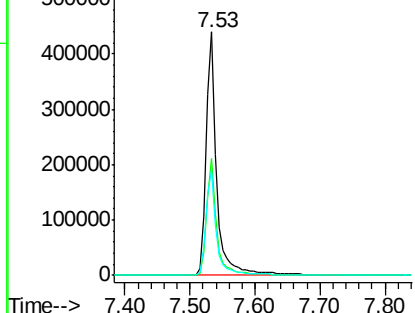
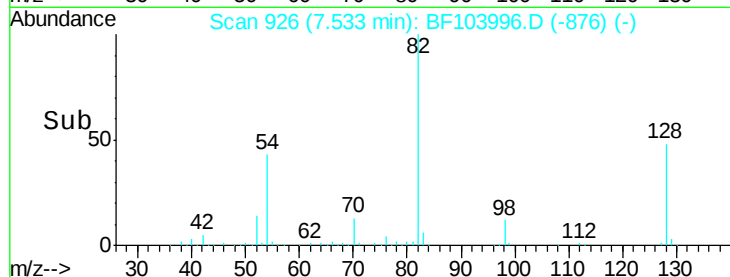
#23
 Nitrobenzene-d5
 Concen: 62.272 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 498576
 Ion Ratio Lower Upper
 82 100
 128 48.1 36.1 54.1
 54 43.1 41.4 62.2

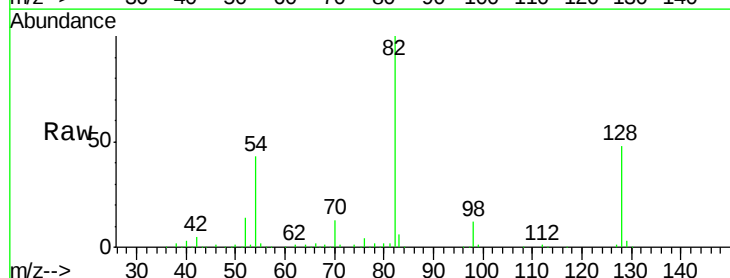


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

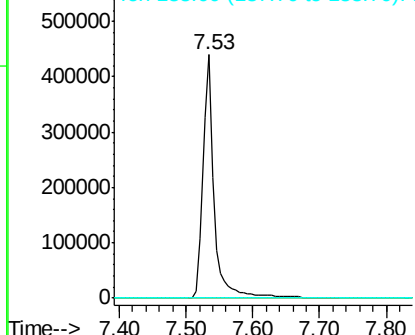
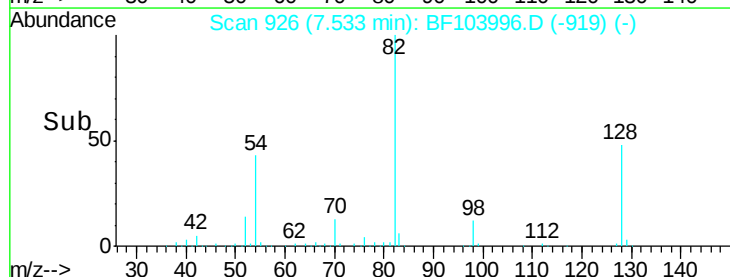


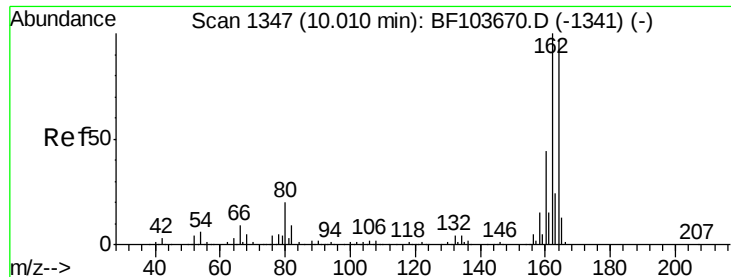
#25
 Isophorone
 Concen: 26.900 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.26 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Tgt Ion: 82 Resp: 498573
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Instrument :

BNA_F

ClientSampleId :

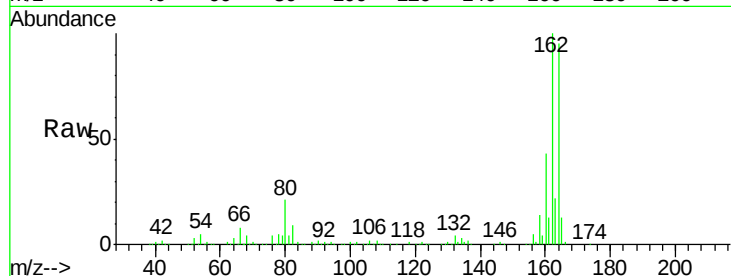
Tot Ion:164 Resp: 245438

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

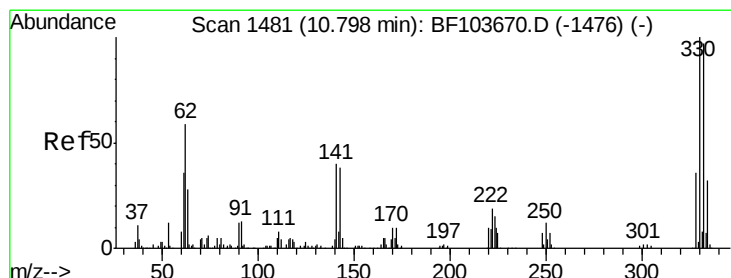
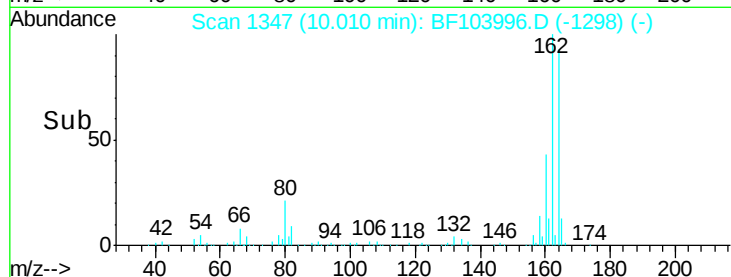
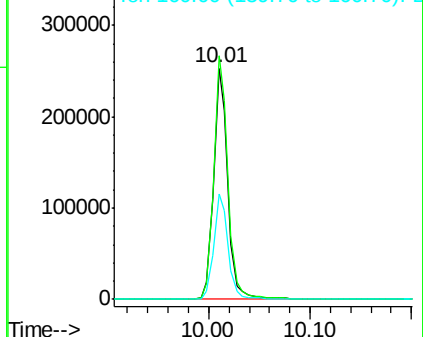
160 45.5 38.3 57.5



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: 15.656 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

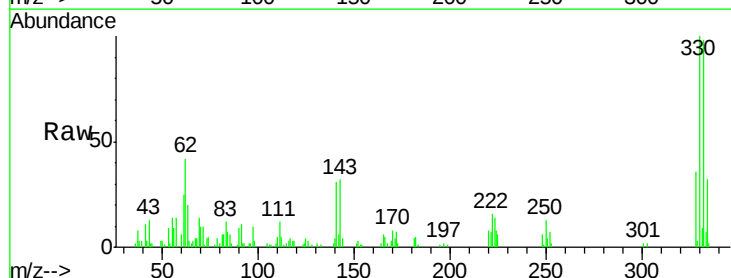
Tgt Ion:330 Resp: 33038

Ion Ratio Lower Upper

330 100

332 98.8 77.0 115.6

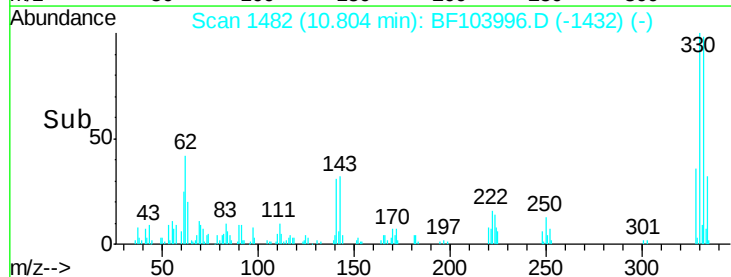
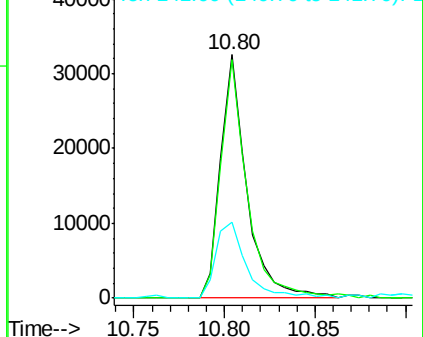
141 36.3 29.9 44.9

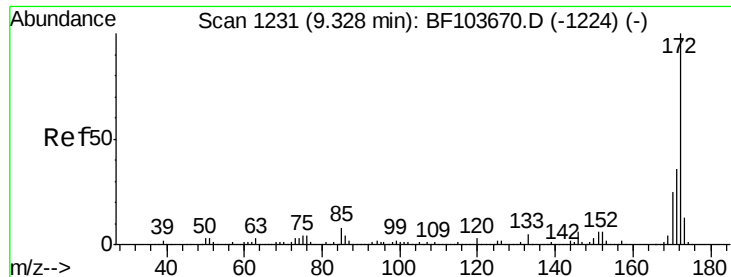


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

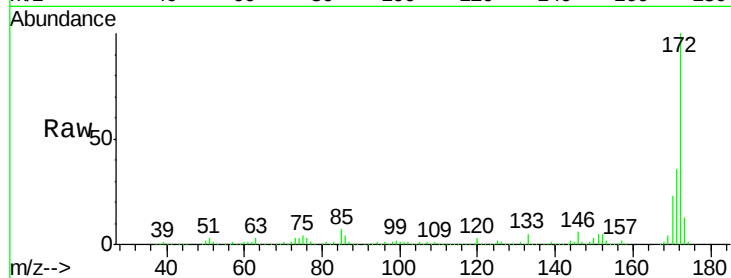




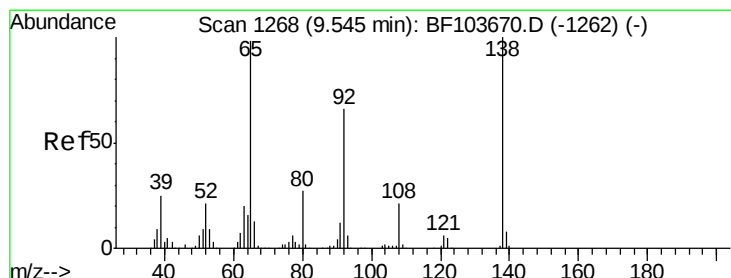
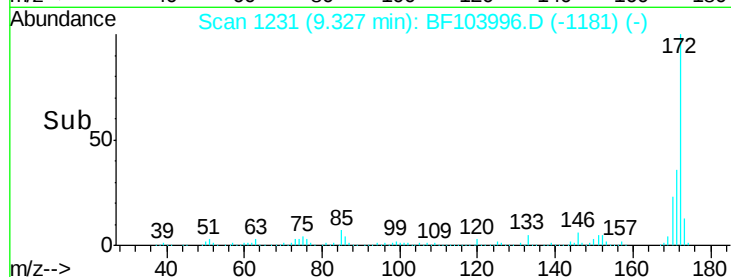
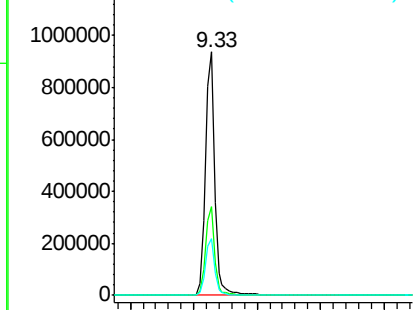
#44
 2-Fluorobiphenyl
 Concen: 61.693 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 949233
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 23.5 19.6 29.4

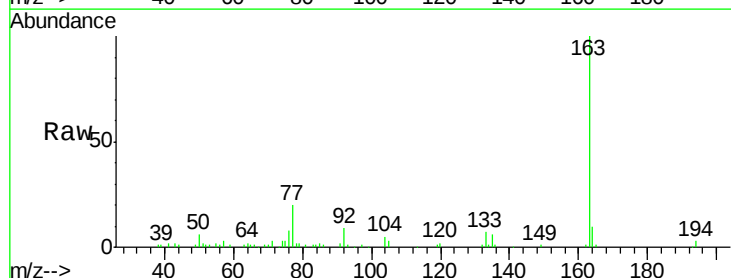


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

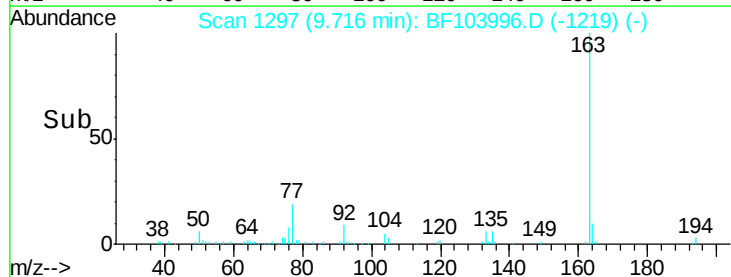
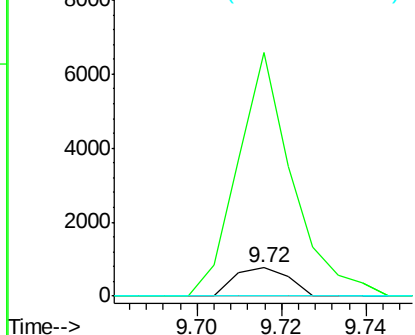


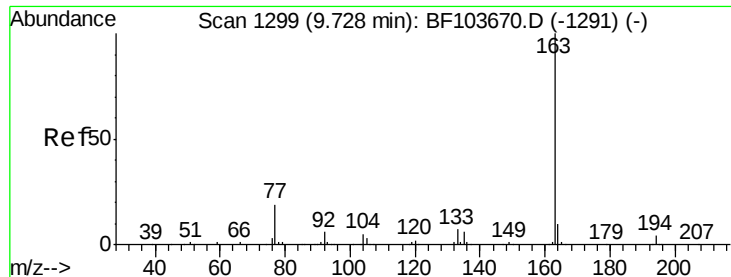
#47
 2-Nitroaniline
 Concen: 6.953 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.16 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Tgt Ion: 65 Resp: 687
 Ion Ratio Lower Upper
 65 100
 92 868.2 55.8 83.6#
 138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

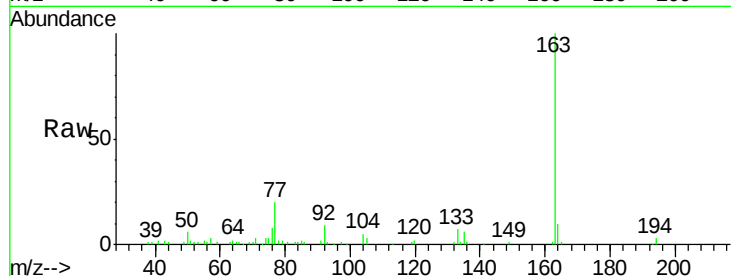




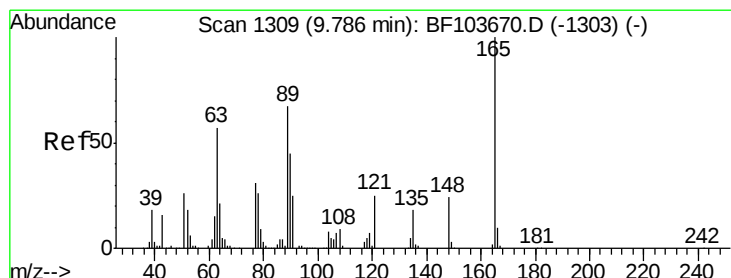
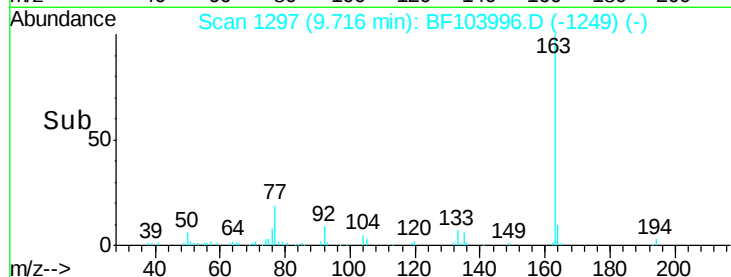
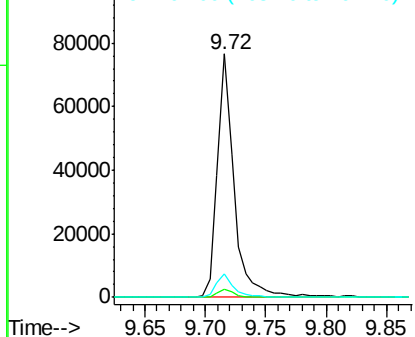
#49
Dimethylphthalate
Concen: 3.888 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 72800
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.7 8.2 12.2

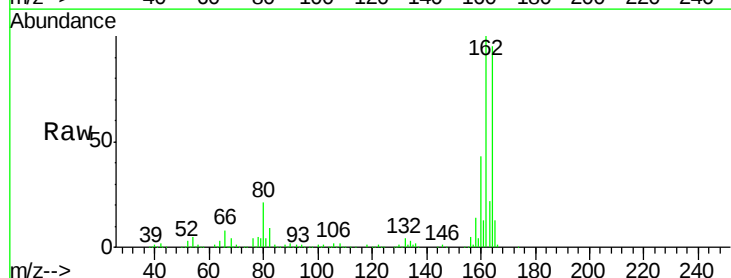


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

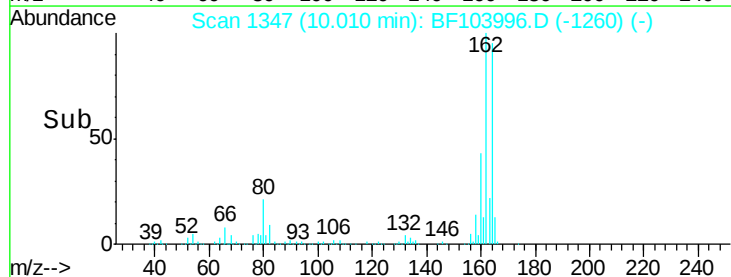
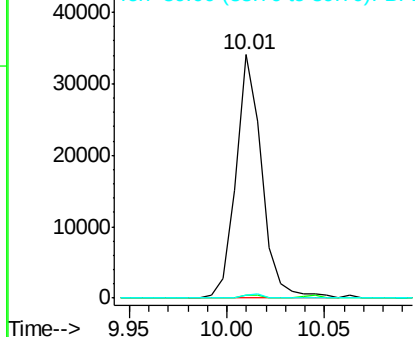


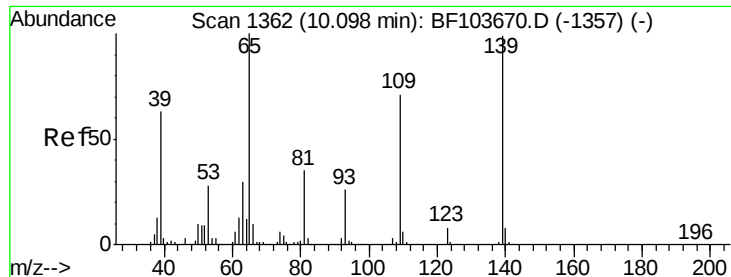
#50
2,6-Dinitrotoluene
Concen: 11.938 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion:165 Resp: 31423
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.3 44.0 66.0#



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





#55

4-Nitrophenol

Concen: 5.551 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.09 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Instrument :

BNA_F

ClientSampleId :

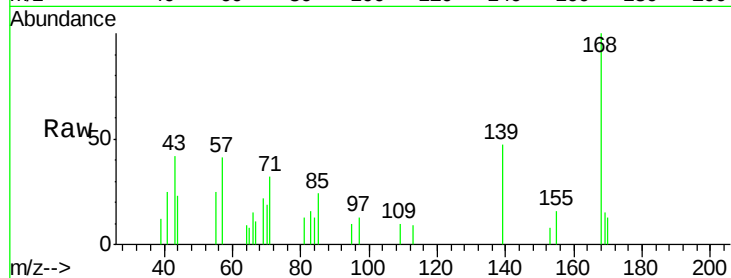
Tot Ion:139 Resp: 2124

Ion Ratio Lower Upper

139 100

109 21.0 48.4 88.4#

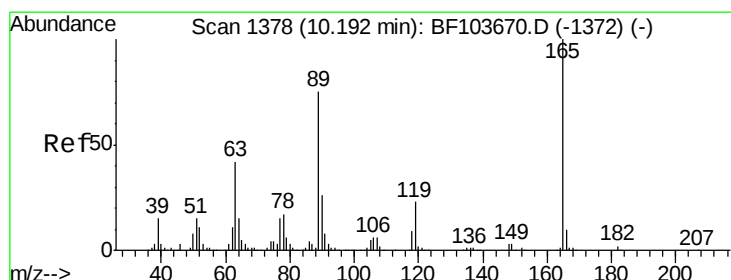
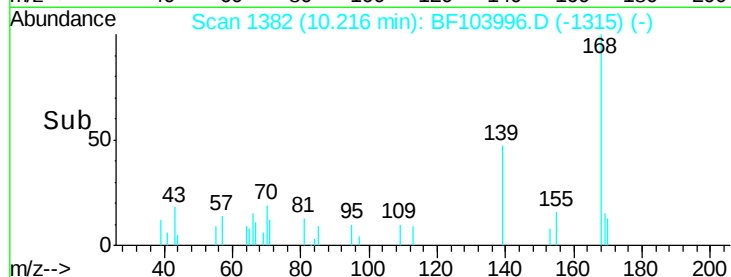
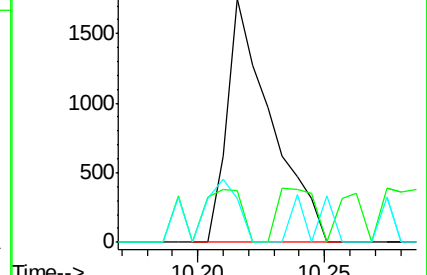
65 18.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 12.204 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.19 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Tgt Ion:165 Resp: 31579

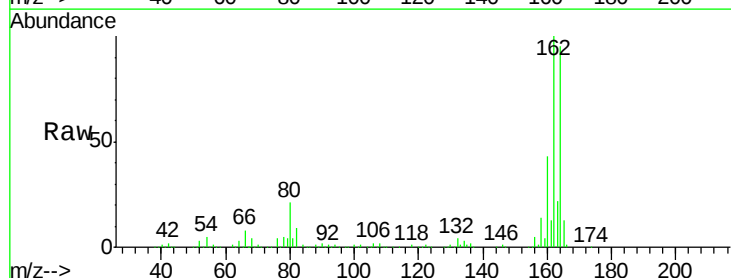
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

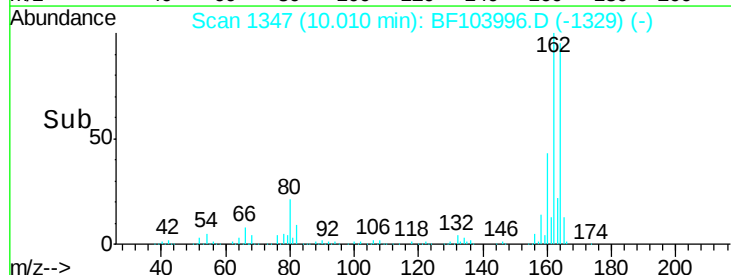
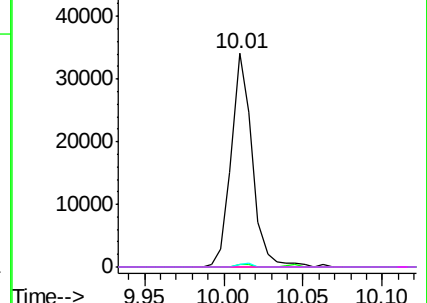


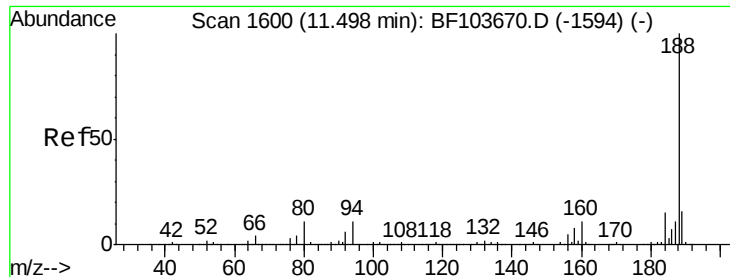
Abundance Ion 165.00 (164.70 to 165.70): E

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

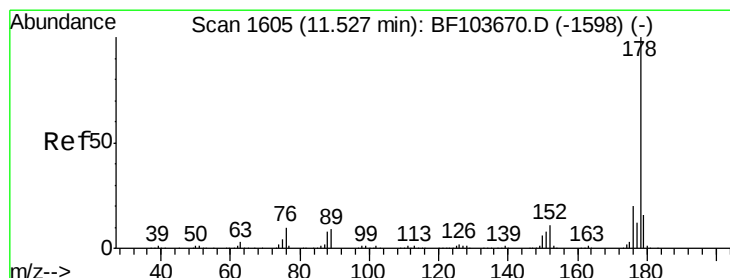
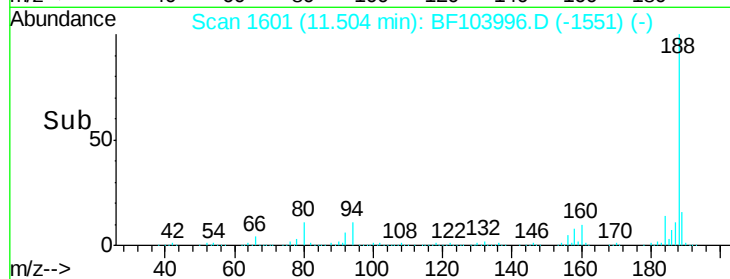
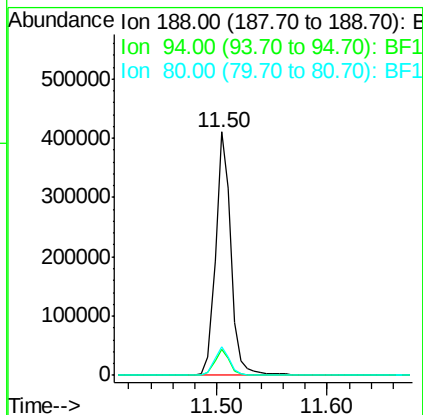
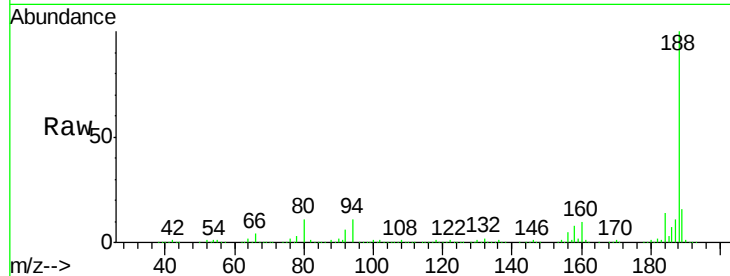




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

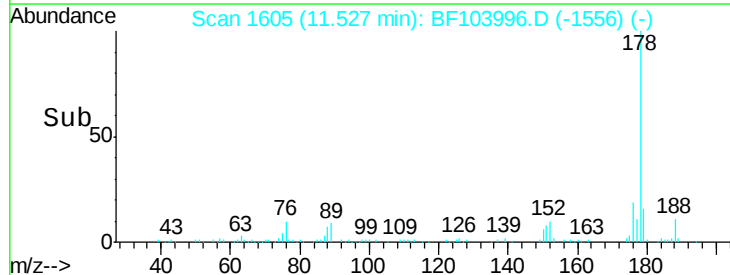
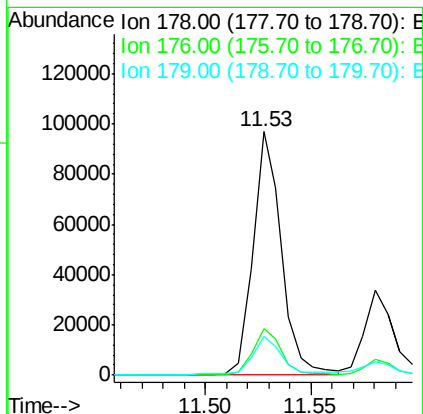
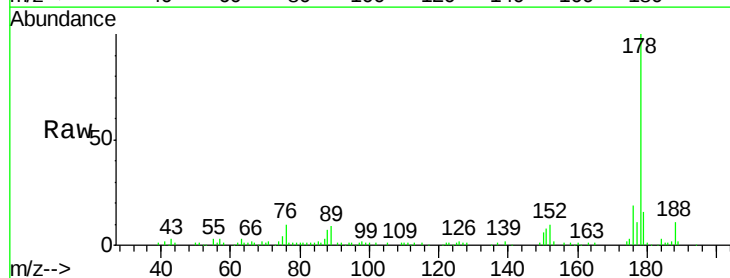
Instrument :
 BNA_F
 ClientSampled :

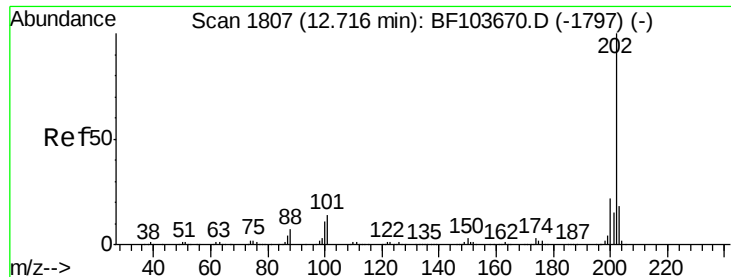
Tot Ion:188 Resp: 390763
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.5 9.2 13.8



#70
 Phenanthrene
 Concen: 4.246 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Tgt Ion:178 Resp: 90771
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.8 13.0 19.6





#74

Fluoranthene

Concen: 8.732 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Instrument :

BNA_F

ClientSampled :

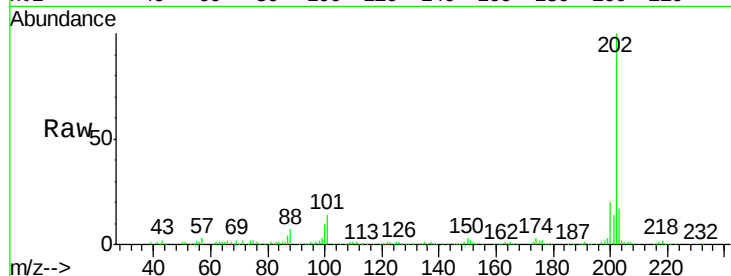
Tot Ion:202 Resp: 192285

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

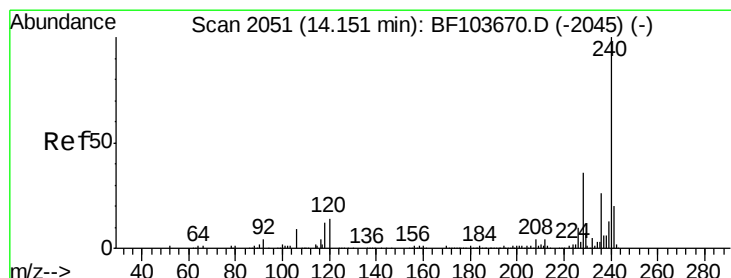
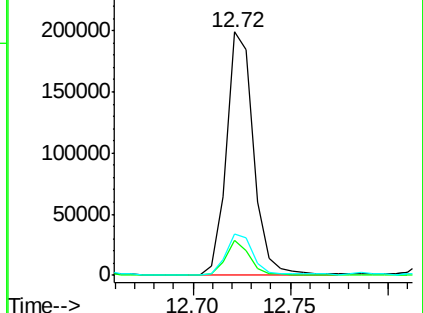
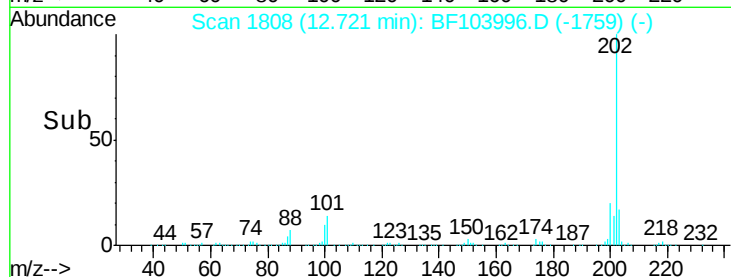
203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

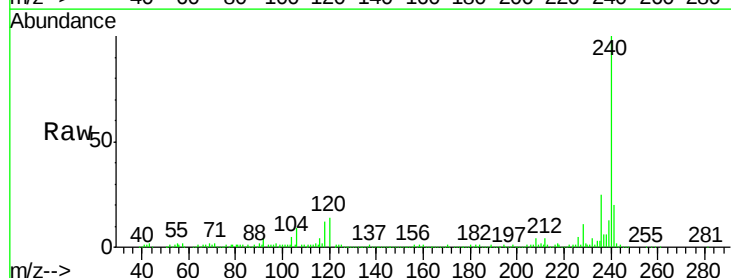
Tgt Ion:240 Resp: 273335

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

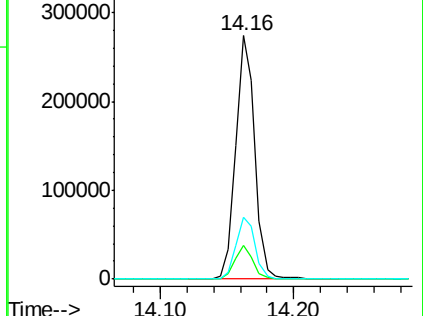
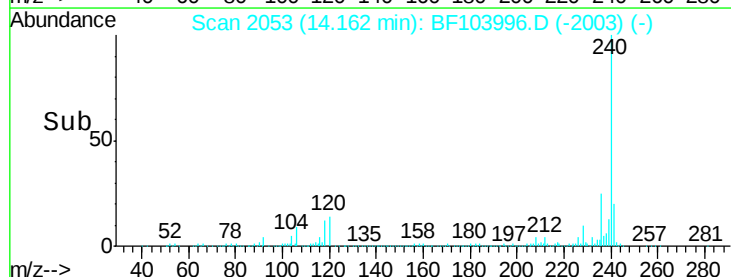
236 25.3 20.7 31.1

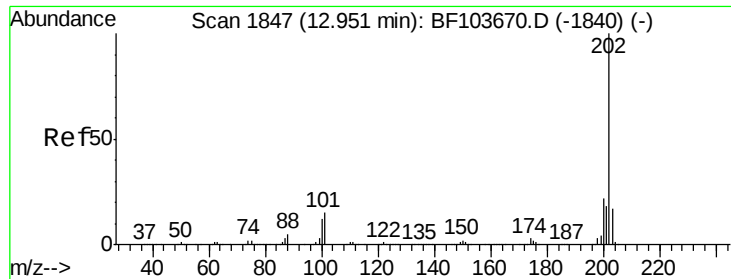


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

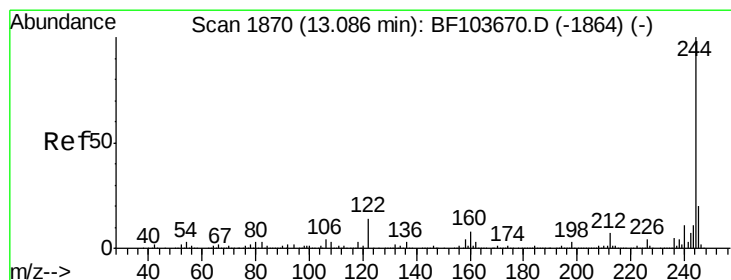
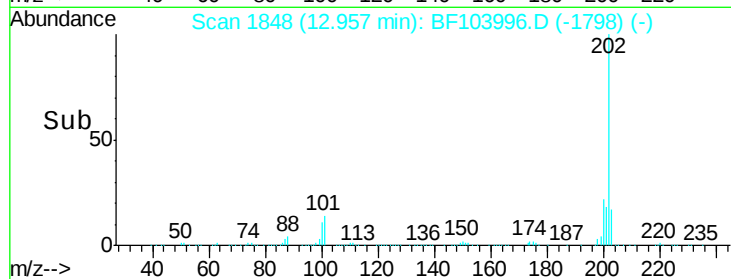
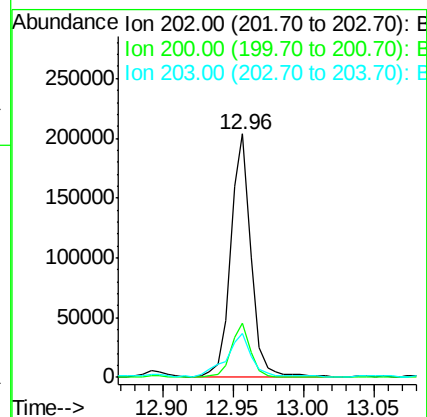
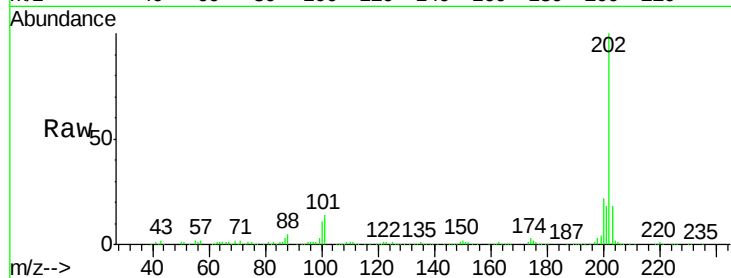




#77
Pvrene
Concen: 9.975 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

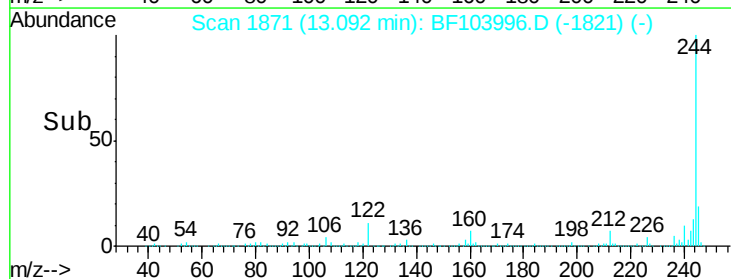
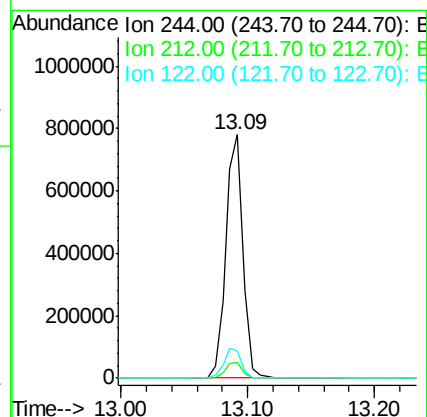
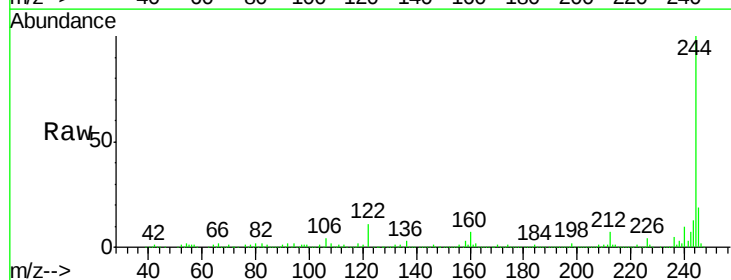
Instrument :
BNA_F
ClientSampleId :

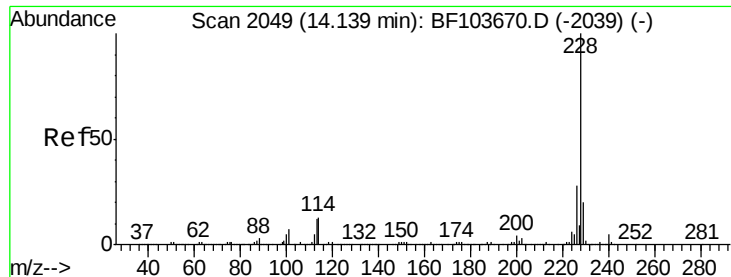
Tot Ion:202 Resp: 200242
Ion Ratio Lower Upper
202 100
200 22.5 17.4 26.2
203 18.1 14.3 21.5



#78
Terphenyl-d14
Concen: 62.112 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion:244 Resp: 731426
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.2 11.0 16.4

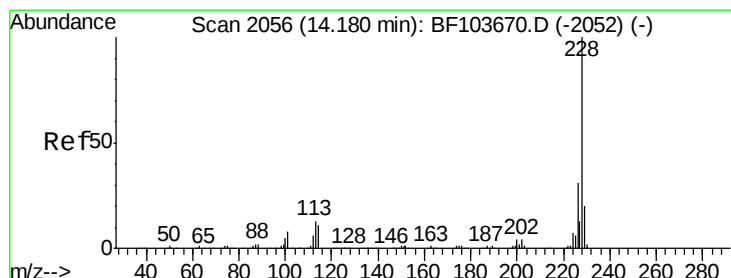
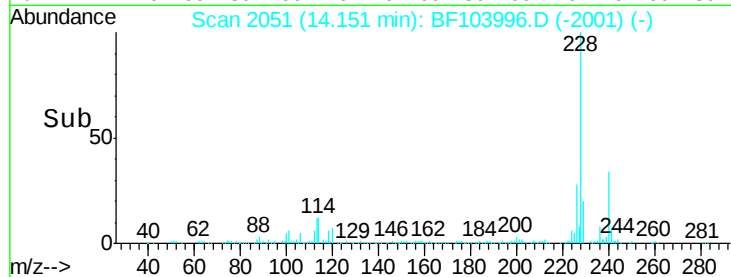
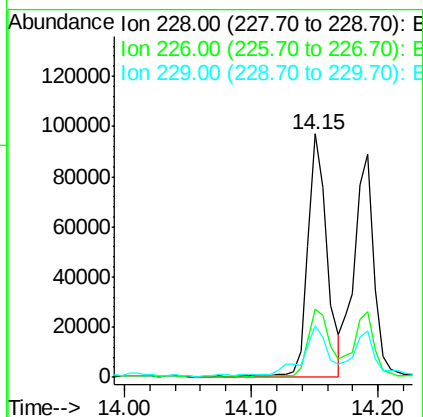
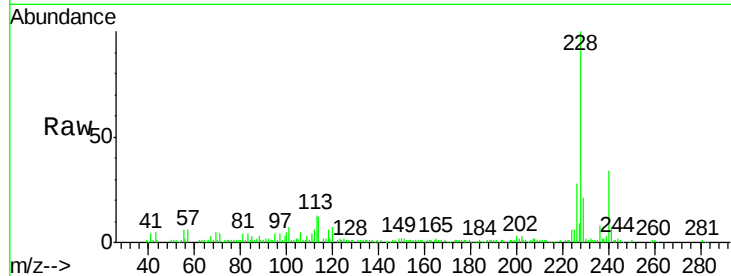




#80
Benzo(a)anthracene
Concen: 5.946 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

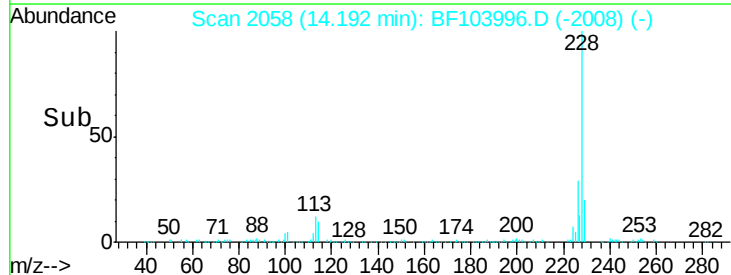
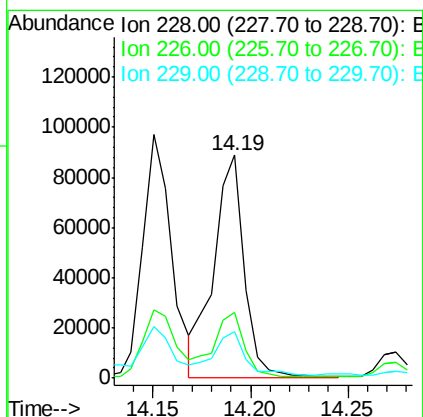
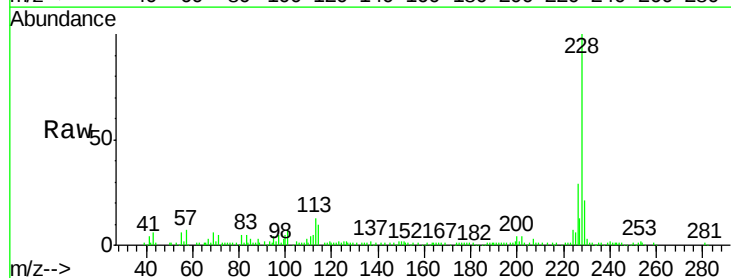
Instrument :
BNA_F
ClientSampleId :

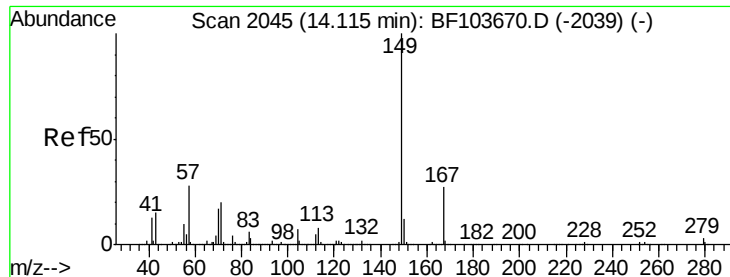
Tot Ion:228 Resp: 102872
Ion Ratio Lower Upper
228 100
226 28.1 22.6 33.8
229 21.0 15.8 23.6



#82
Chrysene
Concen: 5.842 ng
RT: 14.19 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion:228 Resp: 96361
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.6
229 20.9 16.2 24.4

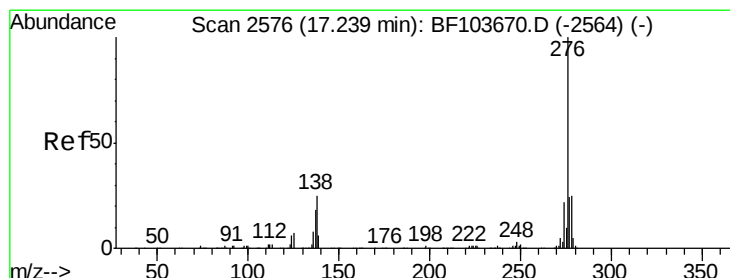
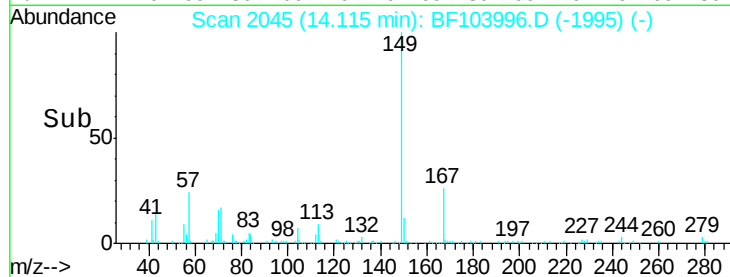
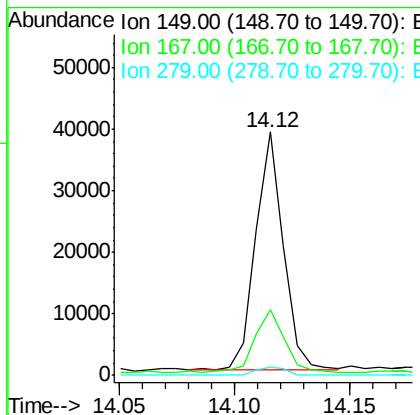
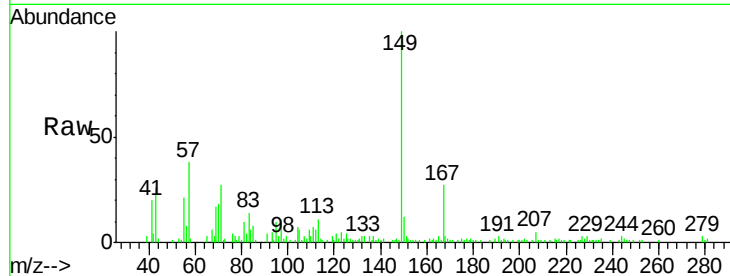




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.563 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

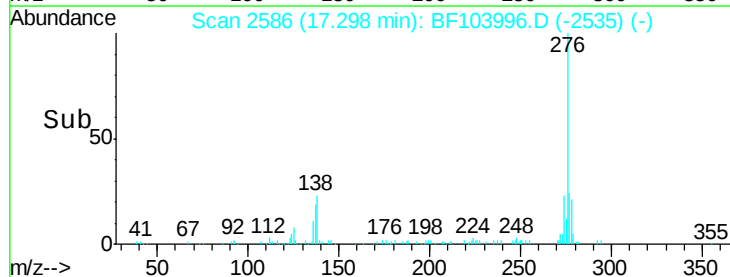
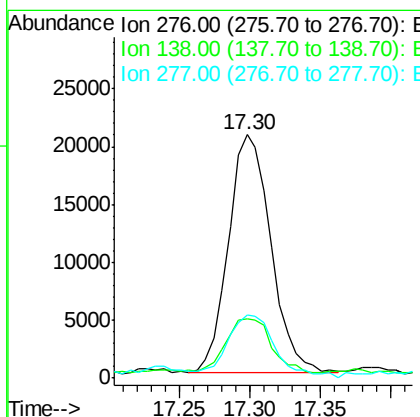
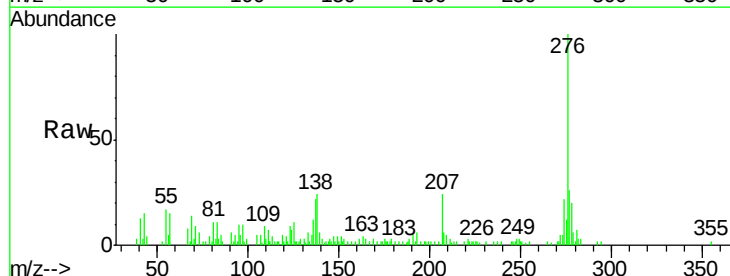
Instrument :
 BNA_F
 ClientSampled :

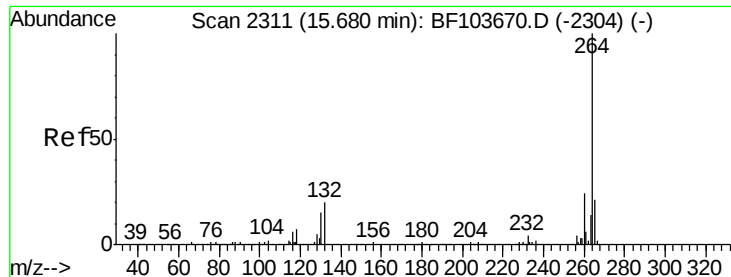
Tot Ion:149 Resp: 32564
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.3 31.9
 279 3.1 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.999 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Tgt Ion:276 Resp: 43200
 Ion Ratio Lower Upper
 276 100
 138 24.5 25.0 37.6#
 277 30.1 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.72 min Scan# 2317

Delta R.T. 0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Instrument :

BNA_F

ClientSampleId :

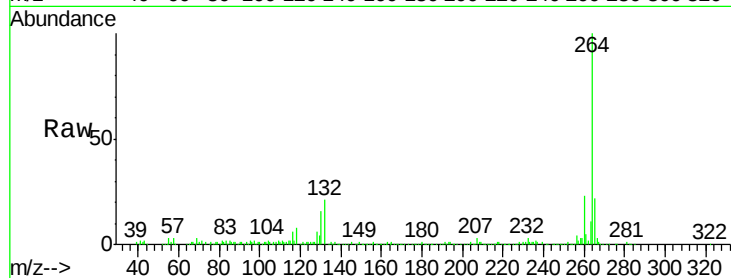
Tot Ion:264 Resp: 244049

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

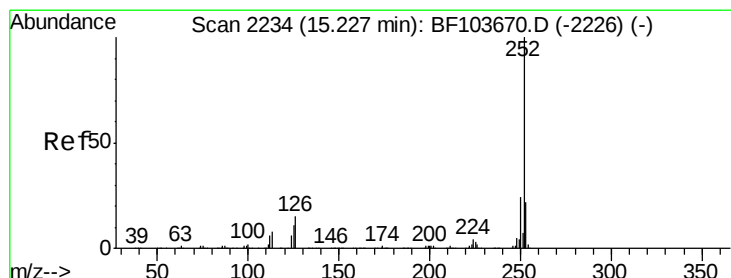
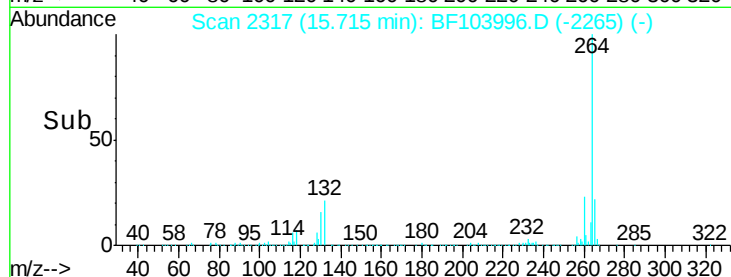
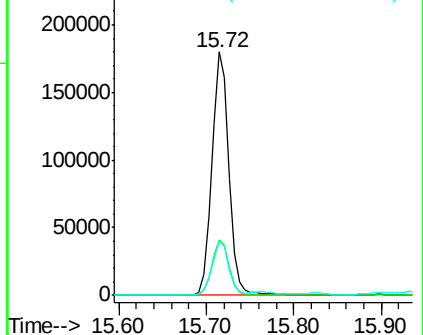
265 22.2 17.5 26.3



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: 9.521 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

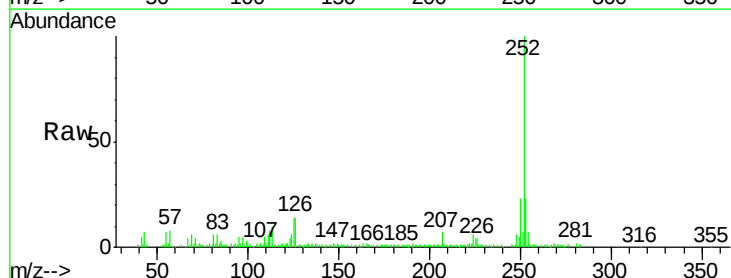
Tgt Ion:252 Resp: 146796

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

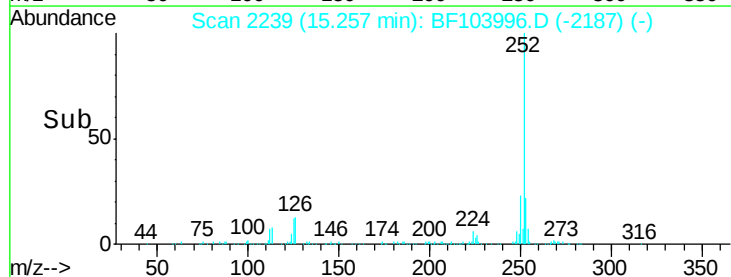
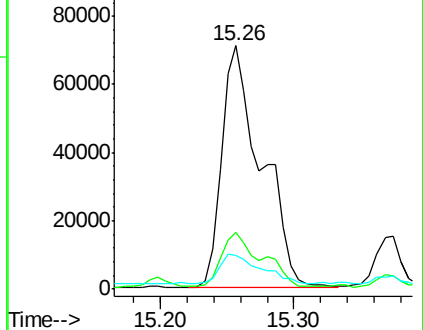
125 13.8 9.0 13.6#

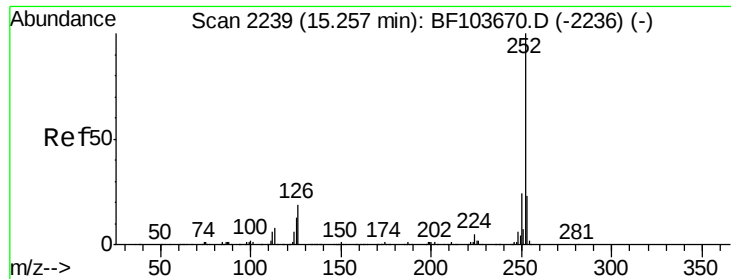


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

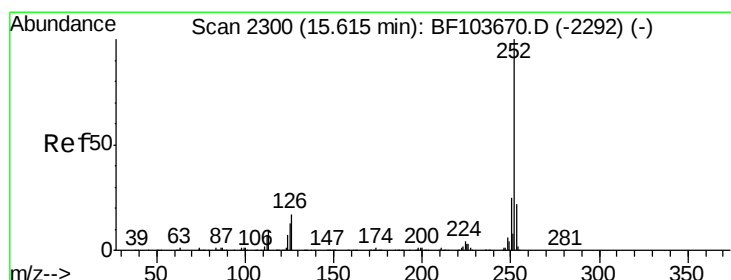
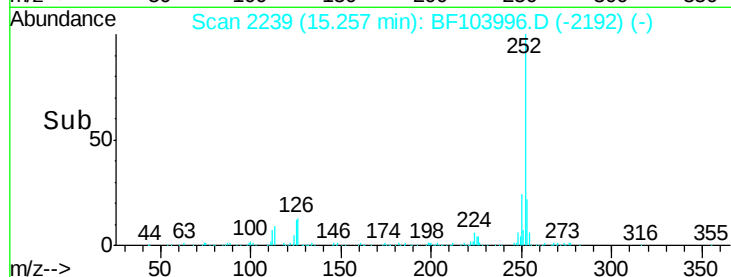
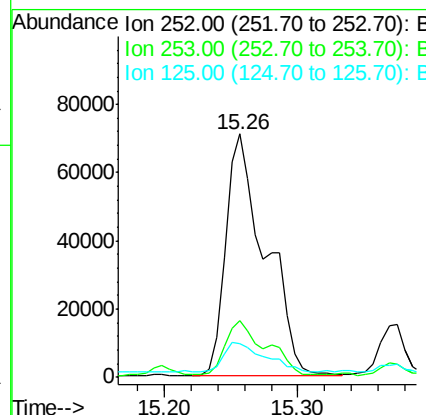
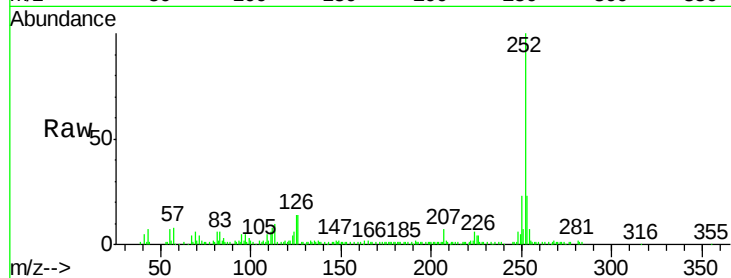




#88
Benzo(k)fluoranthene
Concen: 9.904 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

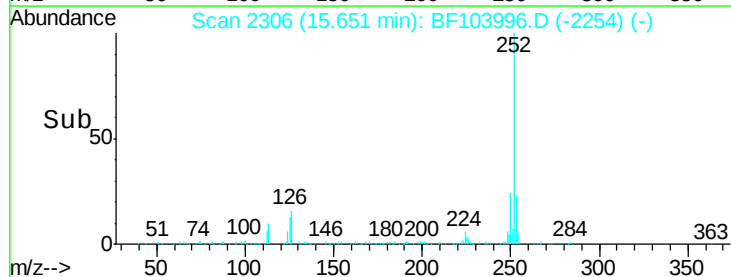
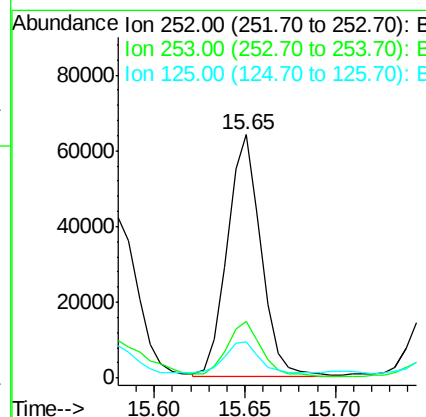
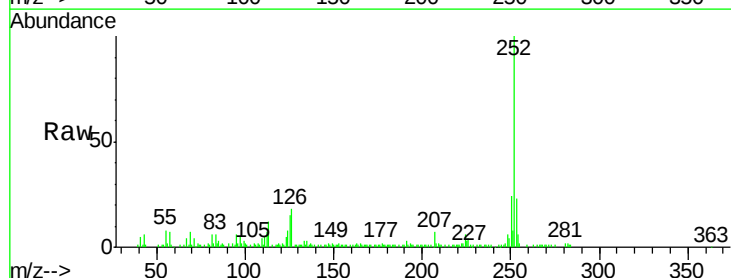
Instrument :
BNA_F
ClientSampleId :

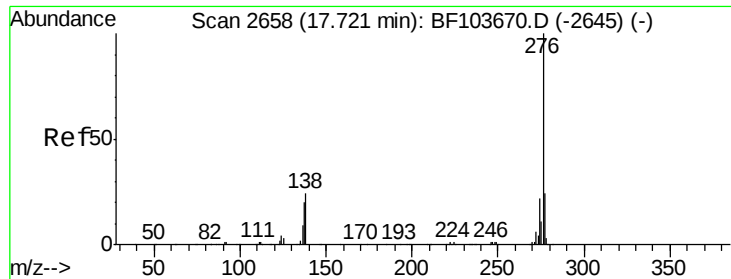
Tot Ion:252 Resp: 146796
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 13.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 5.899 ng
RT: 15.65 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion:252 Resp: 82489
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 15.0 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.869 ng
 RT: 17.79 min Scan# 2669
 Delta R.T. 0.01 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	26.6	21.8	32.8

