

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103788.D
 Acq On : 20 Mar 2018 6:50
 Operator : JU/SJ
 Sample : J1973-02 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 08:01:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141691	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	562459	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	253213	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	411128	20.00	ng	0.00
75) Chrysene-d12	14.16	240	292875	20.00	ng	0.00
86) Perylene-d12	15.69	264	260055	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	187808	20.16	ng	0.00
7) Phenol-d6	6.58	99	256187	22.48	ng	0.00
23) Nitrobenzene-d5	7.53	82	143600	17.80	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	27678	12.71	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	192570	12.13	ng	0.00
78) Terphenyl-d14	13.09	244	149096	11.82	ng	0.00

Target Compounds

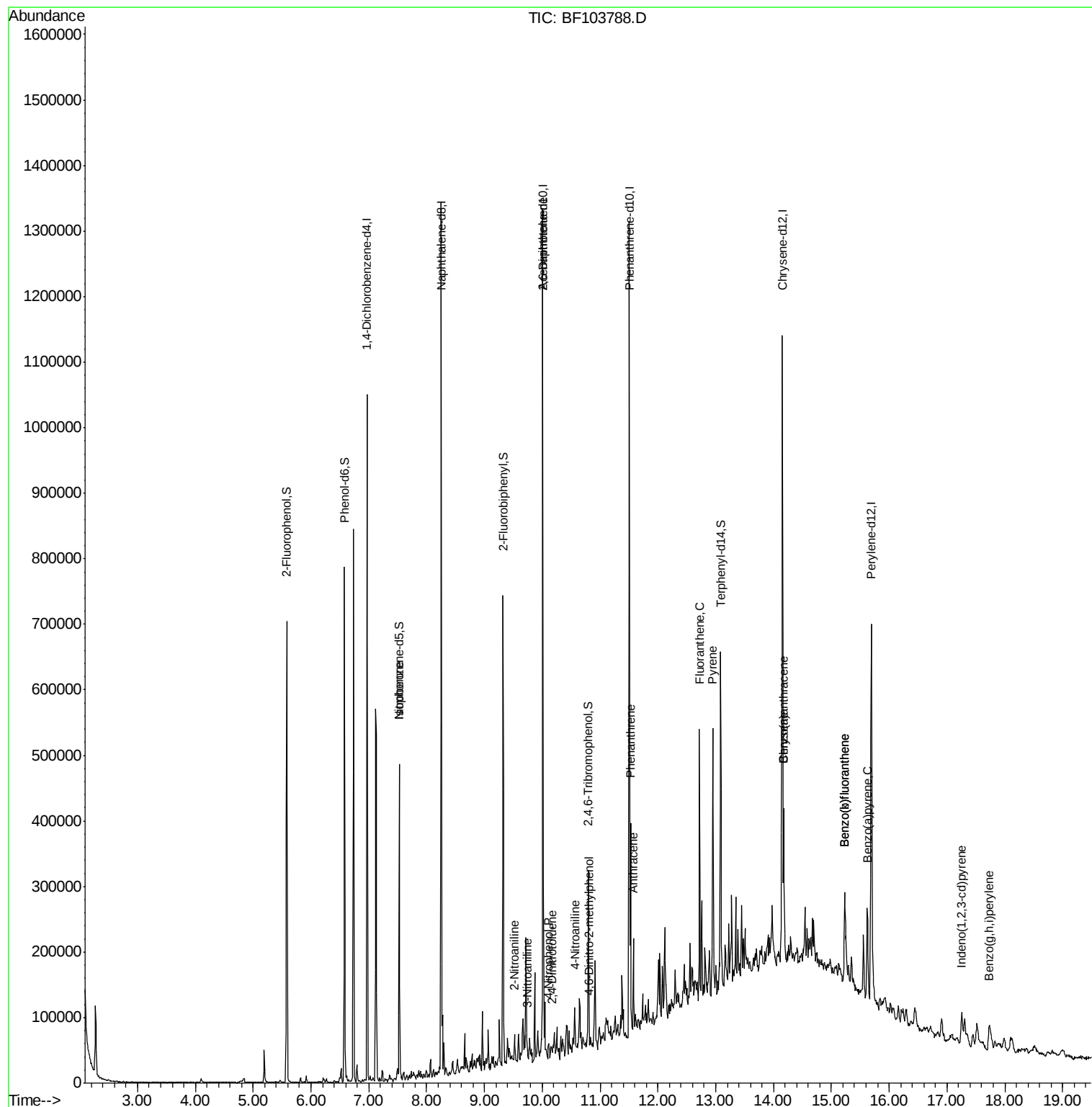
						Qvalue
25) Isophorone	7.53	82	143625	7.692	ng	# 64
47) 2-Nitroaniline	9.52	65	148	6.843	ng	# 2
50) 2,6-Dinitrotoluene	10.01	165	34342	12.410	ng	# 25
52) 3-Nitroaniline	9.75	138	108	3.837	ng	# 2
55) 4-Nitrophenol	10.11	139	797	5.181	ng	# 1
56) 2,4-Dinitrotoluene	10.17	165	1452	6.481	ng	# 21
61) 4-Nitroaniline	10.57	138	232	3.799	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.82	198	220	8.276	ng	# 1
70) Phenanthrene	11.53	178	103834	4.617	ng	98
71) Anthracene	11.58	178	54178	2.372	ng	99
74) Fluoranthene	12.72	202	136687	5.899	ng	98
77) Pyrene	12.95	202	149942	6.971	ng	98
80) Benzo(a)anthracene	14.18	228	79029	4.263	ng	96
82) Chrysene	14.18	228	79029	4.472	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	31049	2.012	ng	93
87) Benzo(b)fluoranthene	15.23	252	100323	6.106	ng	# 93
88) Benzo(k)fluoranthene	15.23	252	100323	6.352	ng	# 95
89) Benzo(a)pyrene	15.62	252	66209	4.443	ng	# 94
91) Benzo(a,h,i)perylene	17.73	276	30497	2.429	ng	96

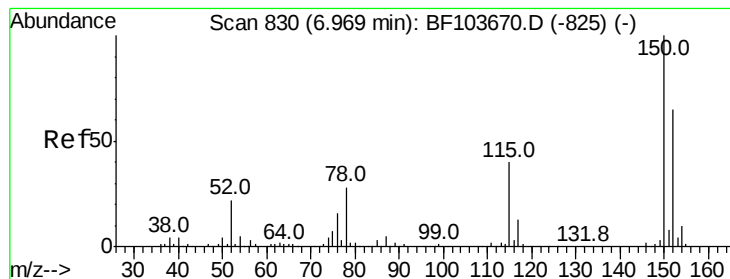
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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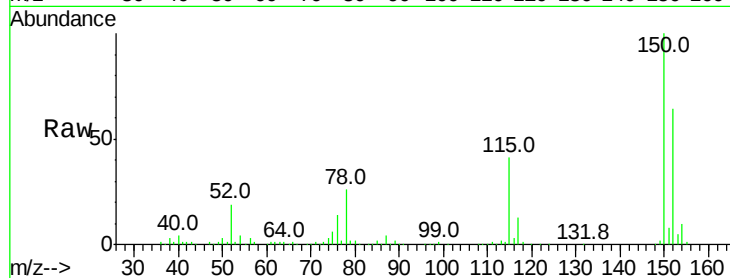


#1

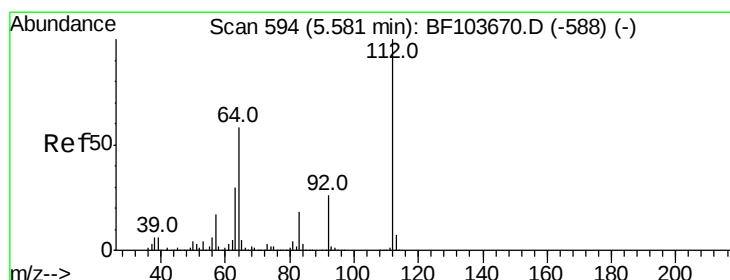
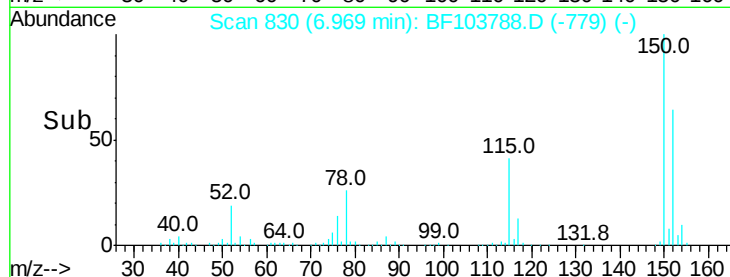
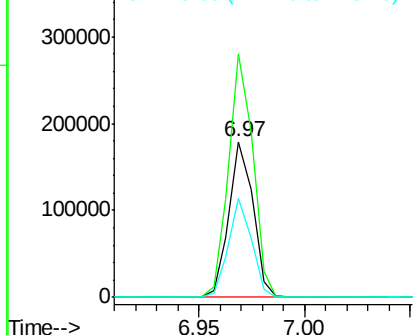
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141691
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 63.6 50.1 75.1



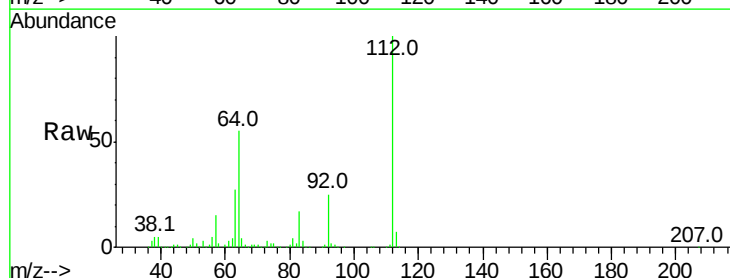
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



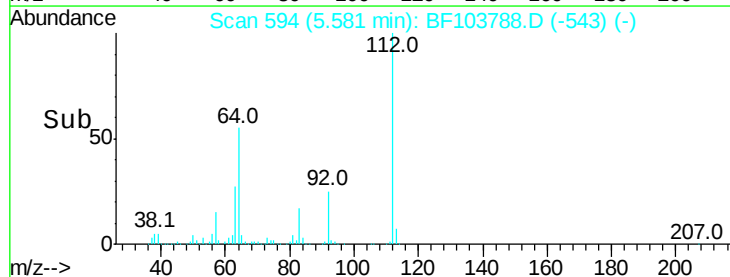
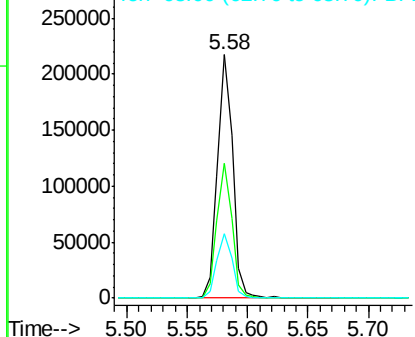
#5

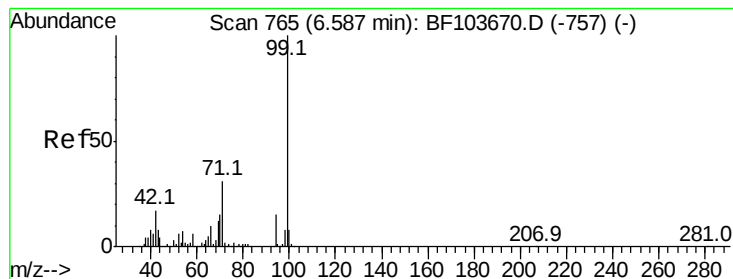
2-Fluorophenol
Concen: 20.160 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion:112 Resp: 187808
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 26.6 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: 22.478 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Instrument :

BNA_F

ClientSampleId :

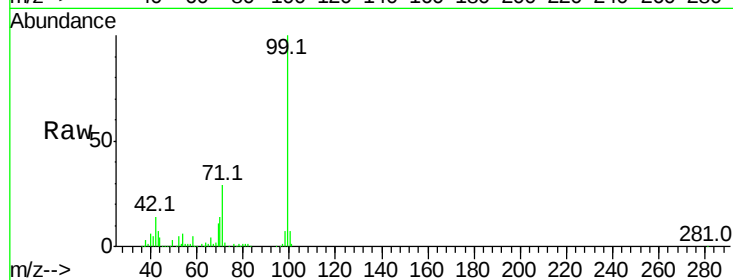
Tot Ion: 99 Resp: 256187

Ion Ratio Lower Upper

99 100

42 14.1 14.5 21.7#

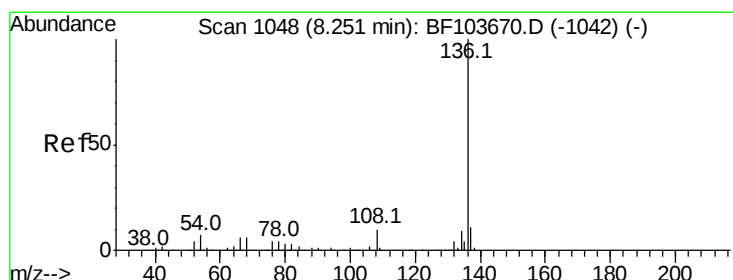
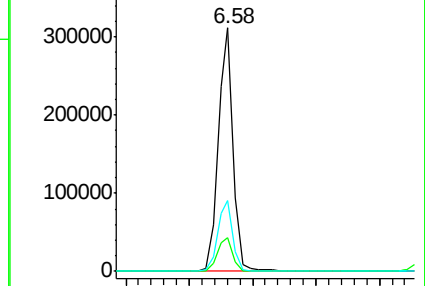
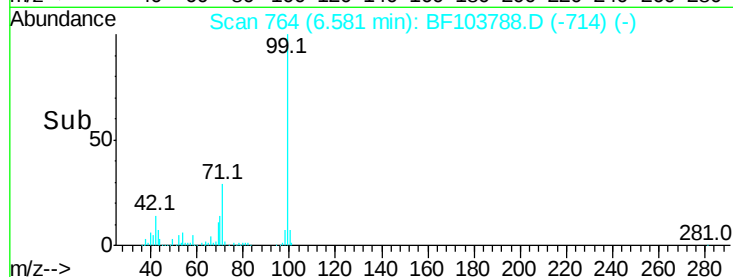
71 29.0 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Tgt Ion: 136 Resp: 562459

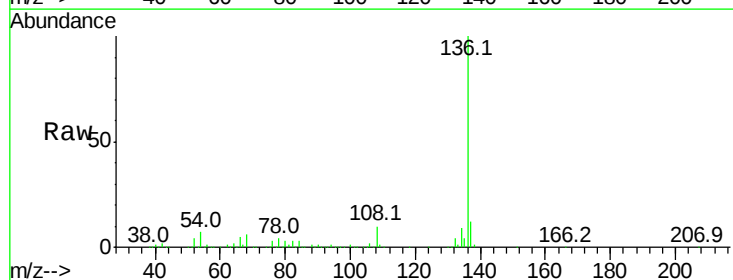
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 7.3 6.6 9.8

68 6.5 5.0 7.4

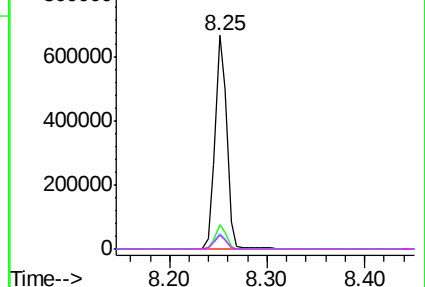
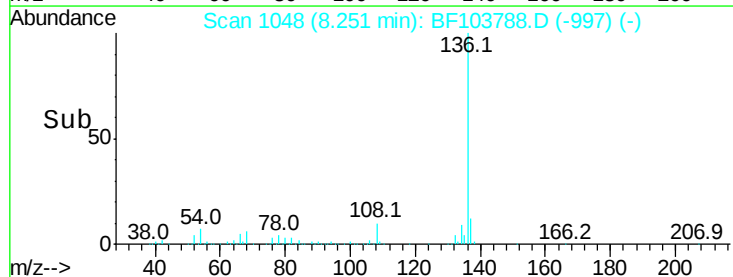


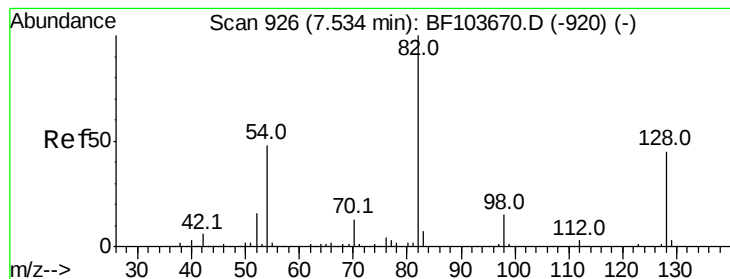
Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.804 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Instrument :

BNA_F

ClientSampleId :

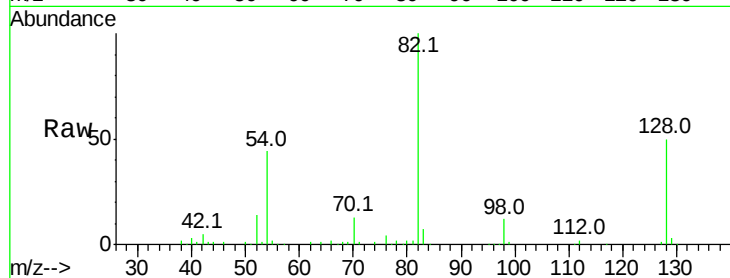
Tot Ion: 82 Resp: 143600

Ion Ratio Lower Upper

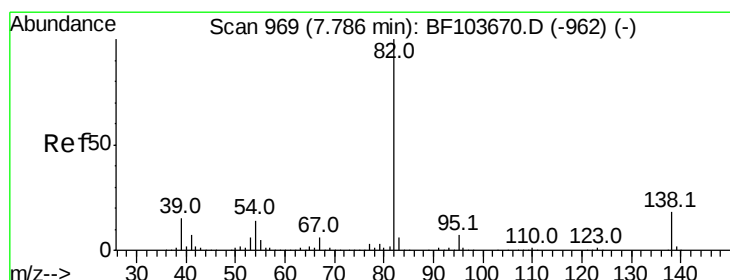
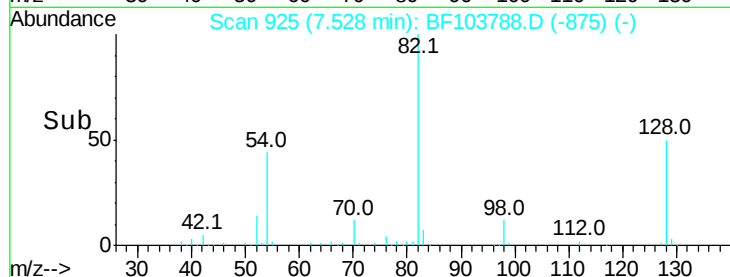
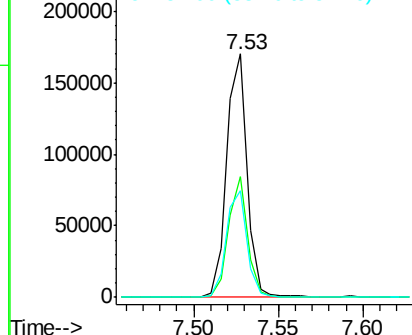
82 100

128 49.7 36.1 54.1

54 43.7 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: 7.692 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.26 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

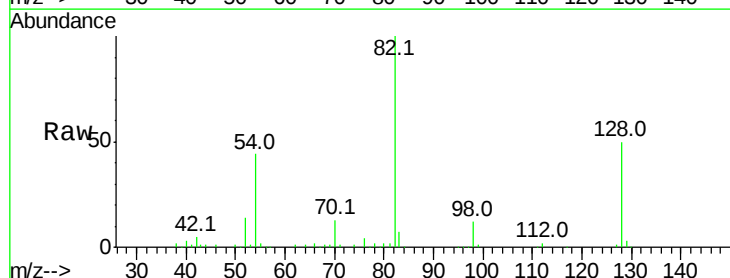
Tgt Ion: 82 Resp: 143625

Ion Ratio Lower Upper

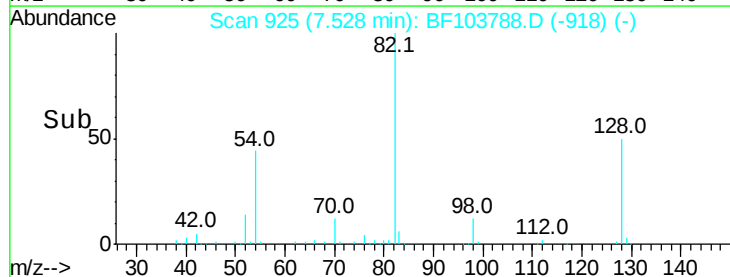
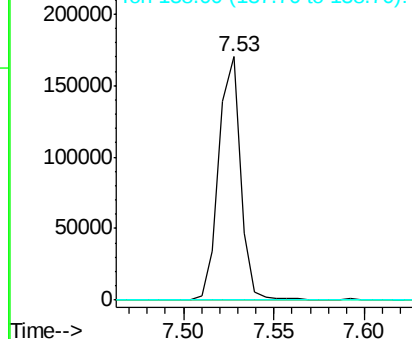
82 100

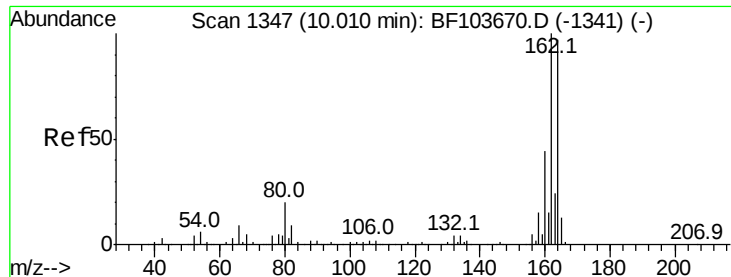
95 0.2 5.2 7.8#

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. -0.00 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Instrument :

BNA_F

ClientSampleId :

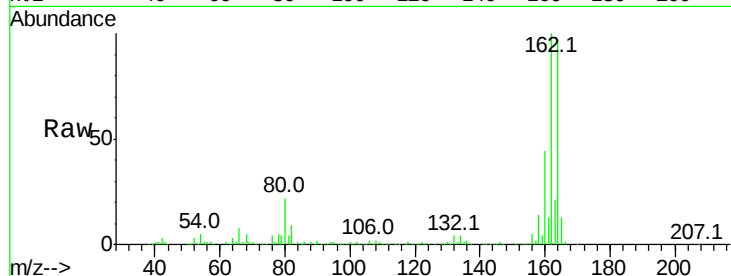
Tot Ion:164 Resp: 253213

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

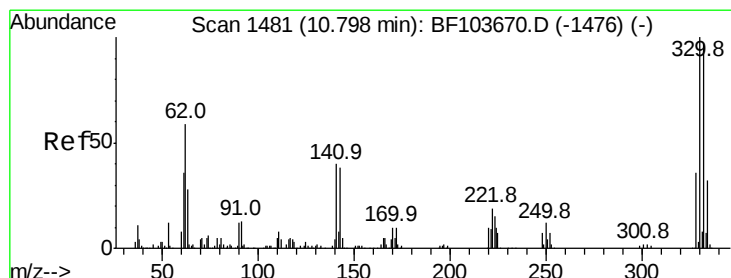
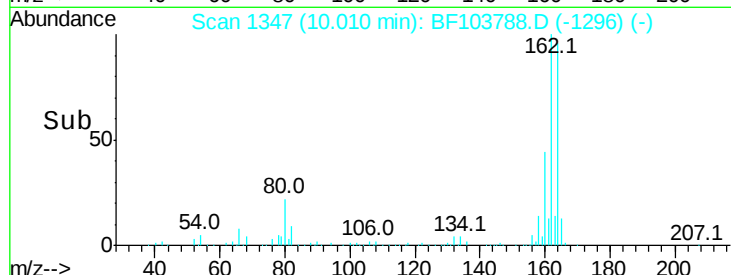
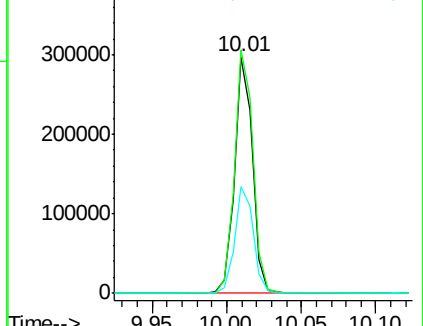
160 45.0 38.3 57.5



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: 12.713 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

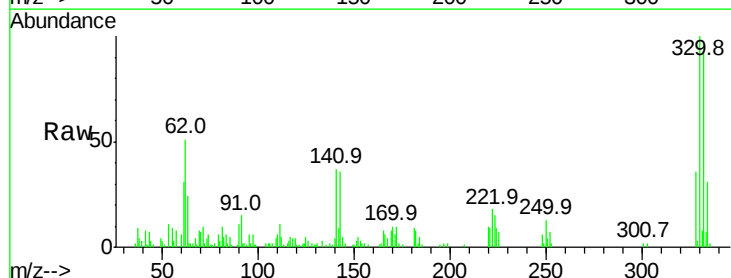
Tgt Ion:330 Resp: 27678

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

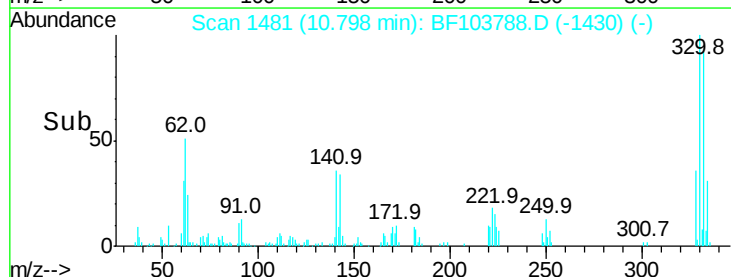
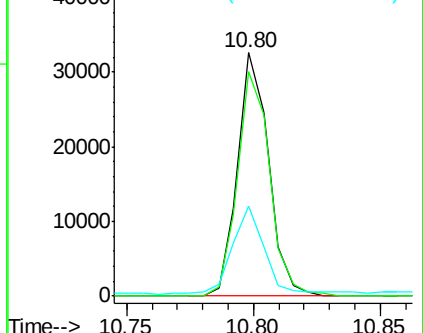
141 37.6 29.9 44.9

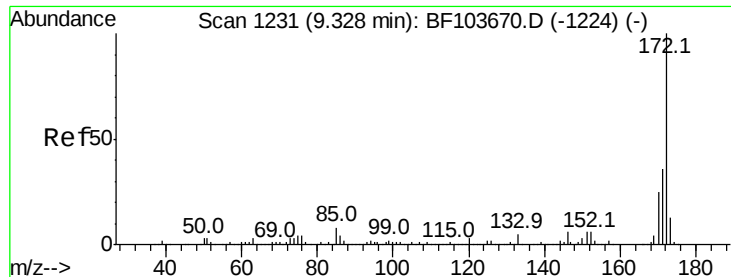


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

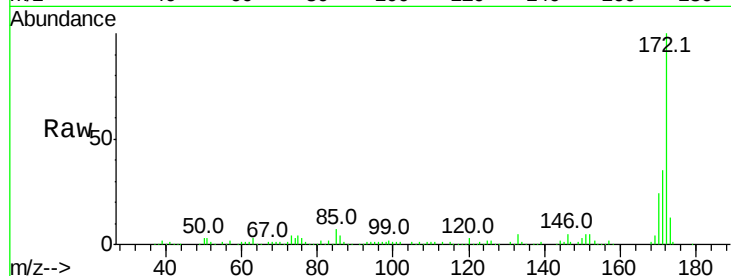




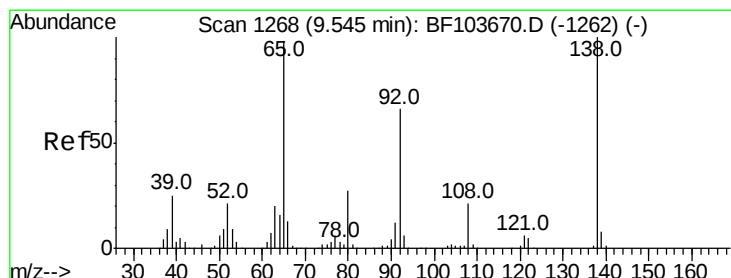
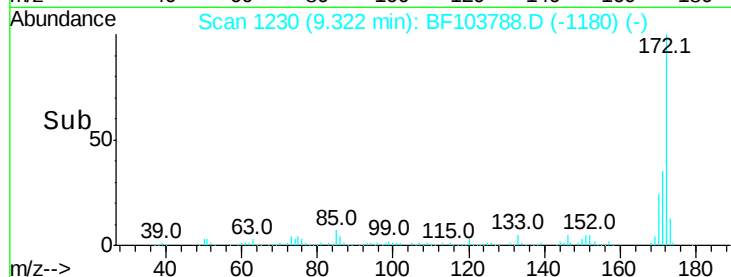
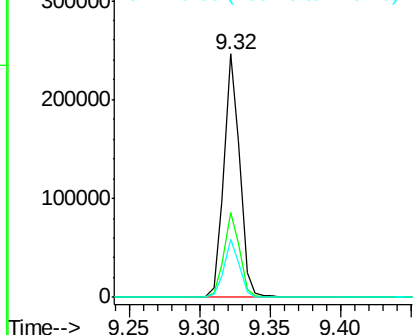
#44
2-Fluorobiphenyl
Concen: 12.131 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 192570
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.7 19.6 29.4

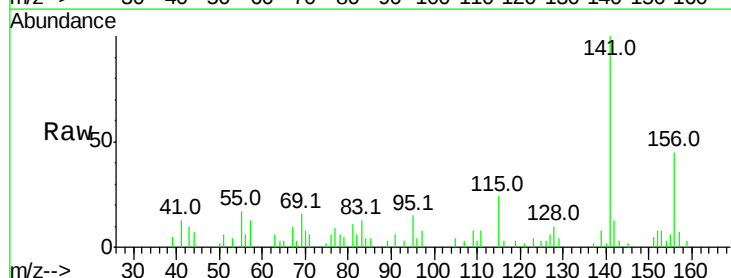


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

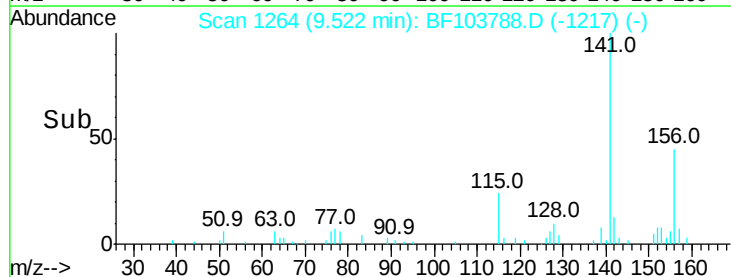
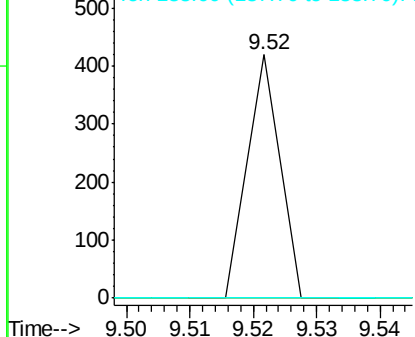


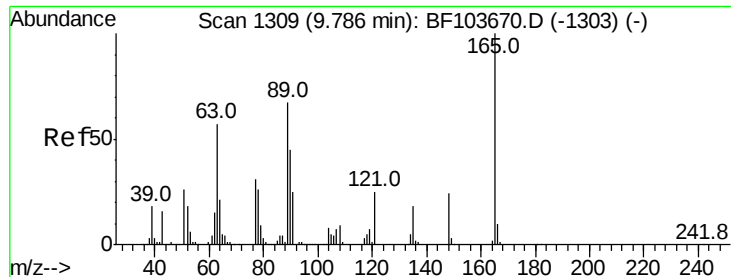
#47
2-Nitroaniline
Concen: 6.843 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion: 65 Resp: 148
Ion Ratio Lower Upper
65 100
92 0.0 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

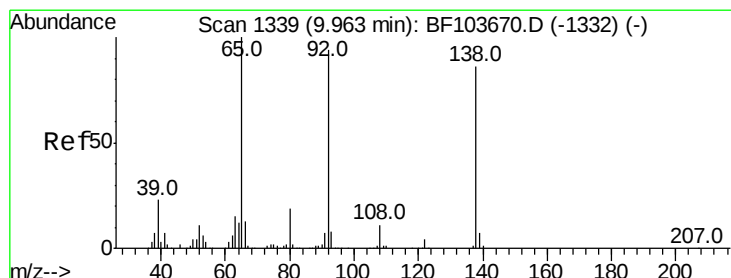
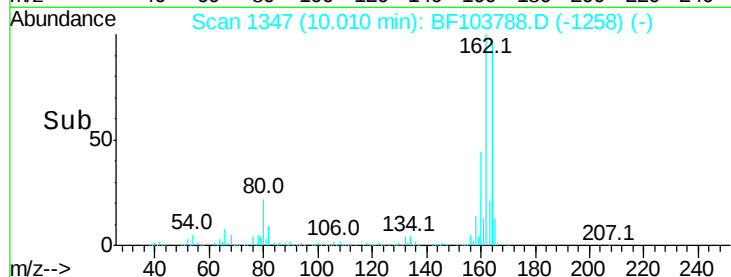
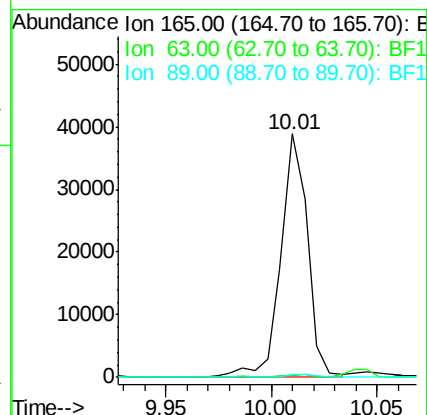
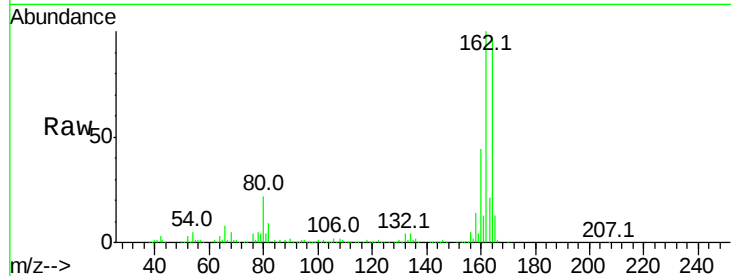




#50
 2,6-Dinitrotoluene
 Concen: 12.410 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

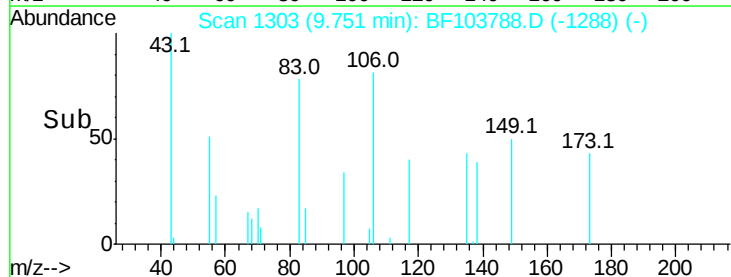
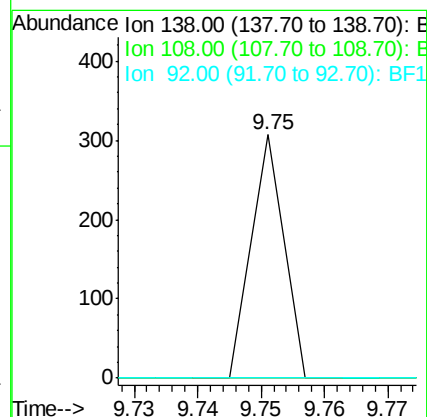
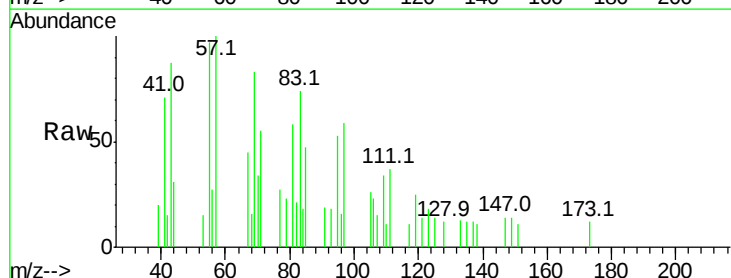
Instrument :
 BNA_F
 ClientSampled :

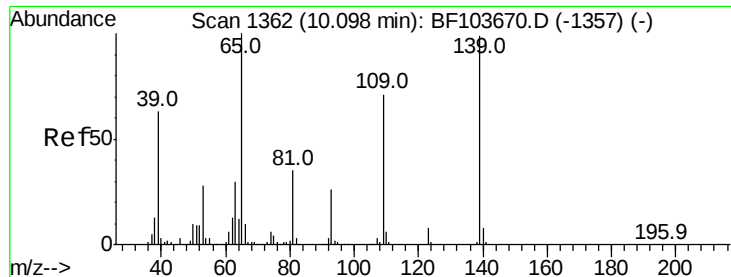
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.7	67.1#
89	1.3	44.0	66.0#



#52
 3-Nitroaniline
 Concen: 3.837 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	9.4	14.0#
92	0.0	89.4	134.2#

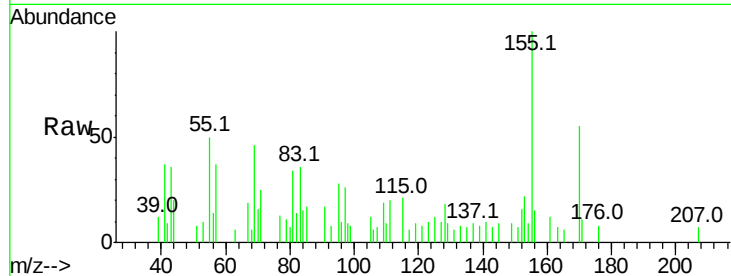




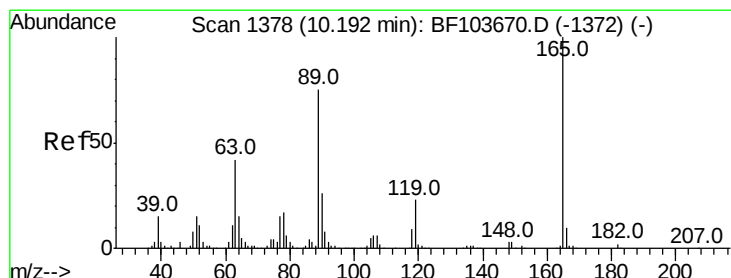
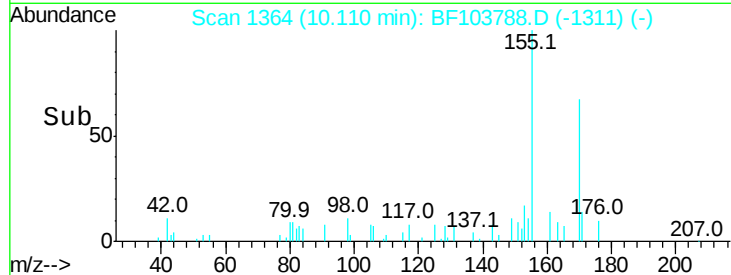
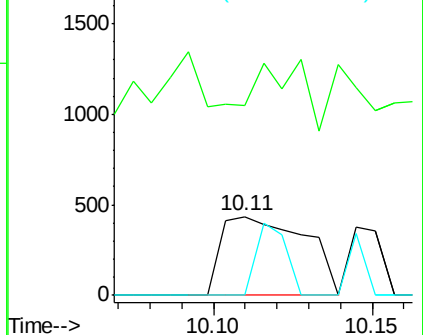
#55
4-Nitrophenol
Concen: 5.181 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 797
Ion Ratio Lower Upper
139 100
109 239.1 48.4 88.4#
65 0.0 72.6 112.6#

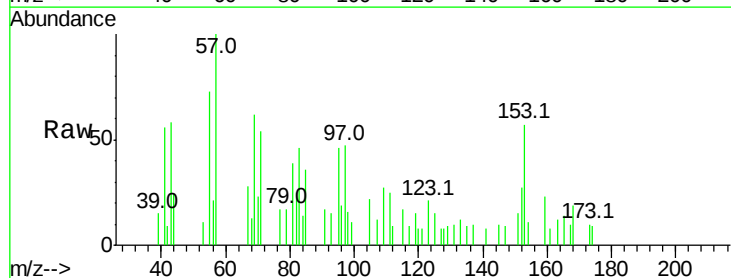


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

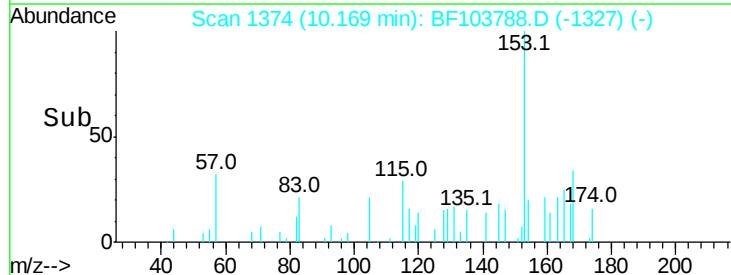
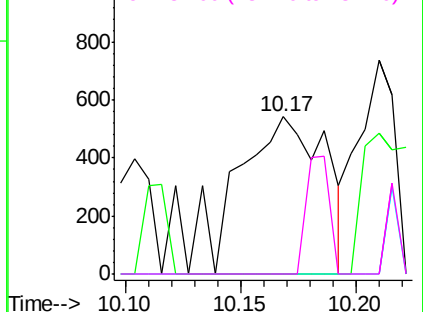


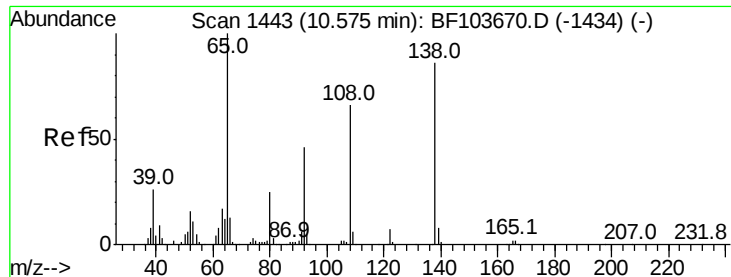
#56
2,4-Dinitrotoluene
Concen: 6.481 ng
RT: 10.17 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion:165 Resp: 1452
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 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

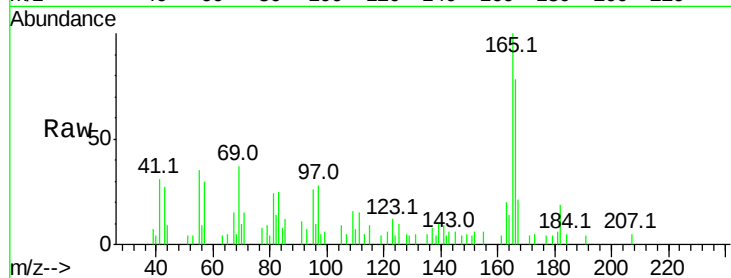




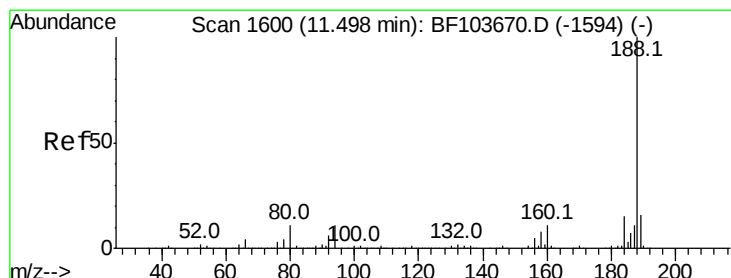
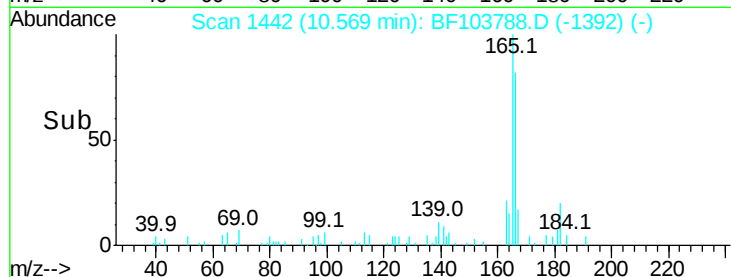
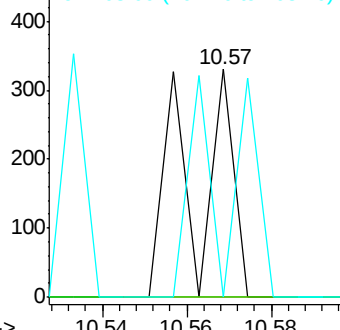
#61
4-Nitroaniline
Concen: 3.799 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 232
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#

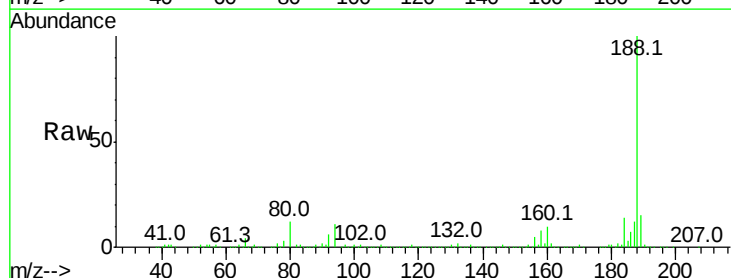


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

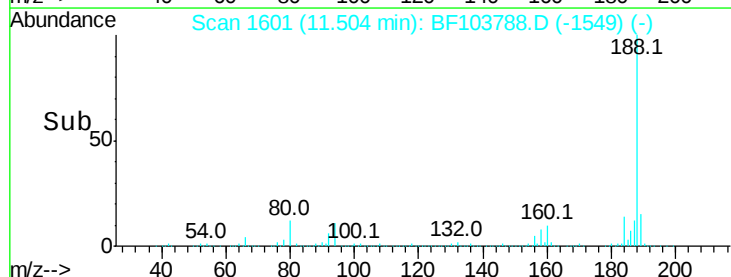
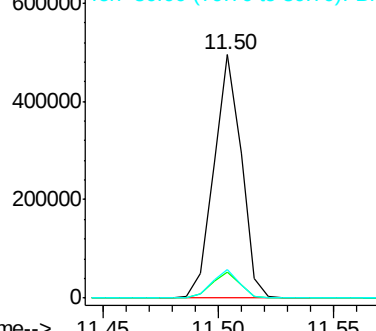


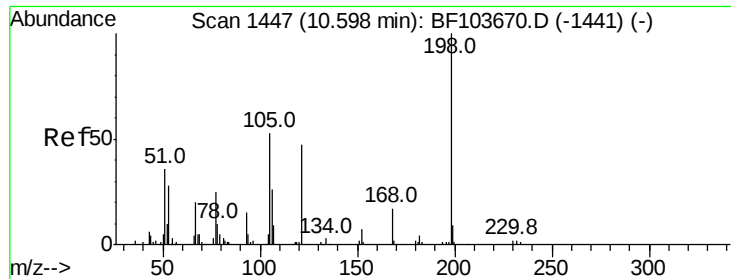
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion:188 Resp: 411128
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

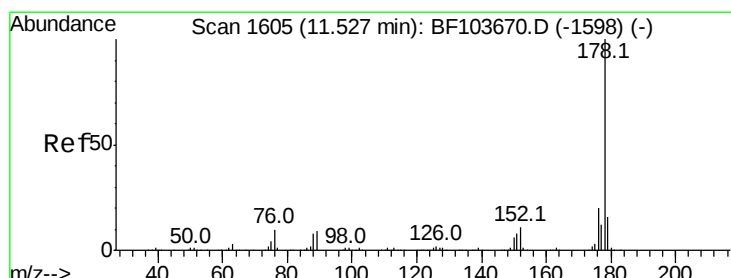
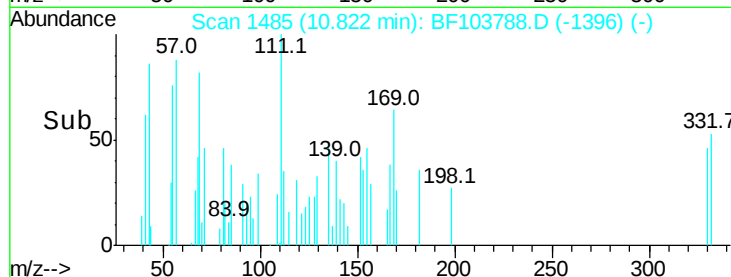
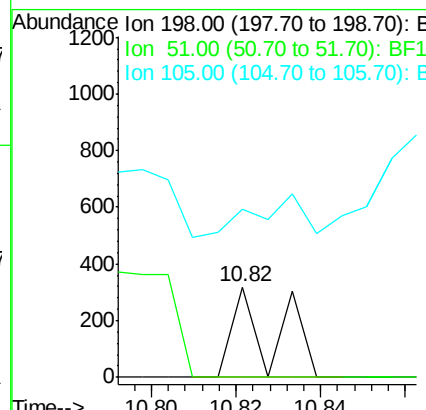
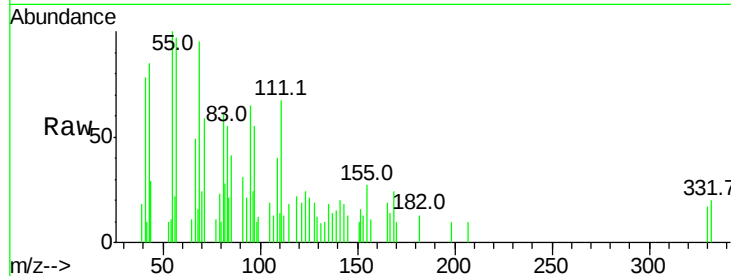




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.276 ng
 RT: 10.82 min Scan# 1485
 Delta R.T. 0.22 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

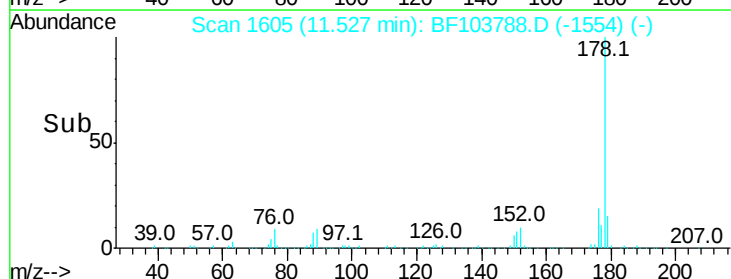
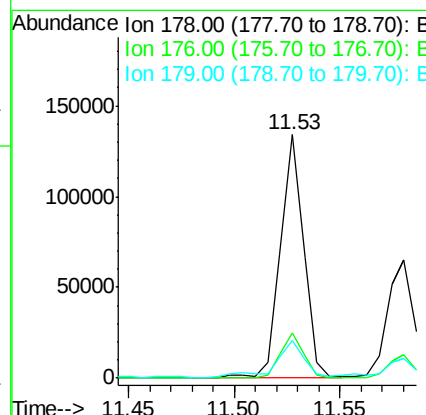
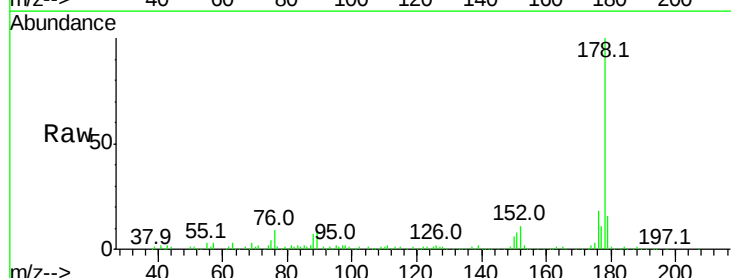
Instrument :
 BNA_F
 ClientSampled :

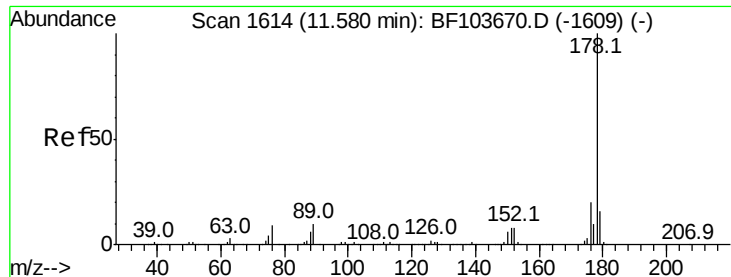
Tot Ion:198 Resp: 220
 Ion Ratio Lower Upper
 198 100
 51 0.0 37.7 77.7#
 105 186.5 36.3 76.3#



#70
 Phenanthrene
 Concen: 4.617 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Tgt Ion:178 Resp: 103834
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 15.6 13.0 19.6





#71

Anthracene

Concen: 2.372 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.00 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Instrument :

BNA_F

ClientSampleId :

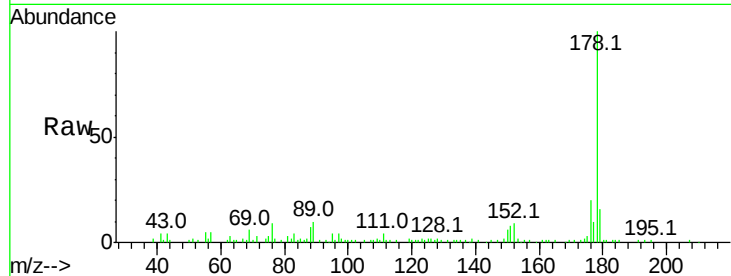
Tot Ion:178 Resp: 54178

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

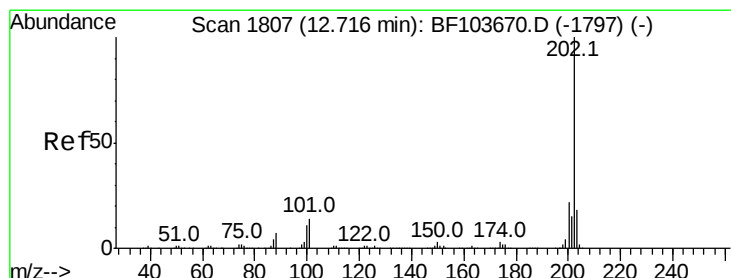
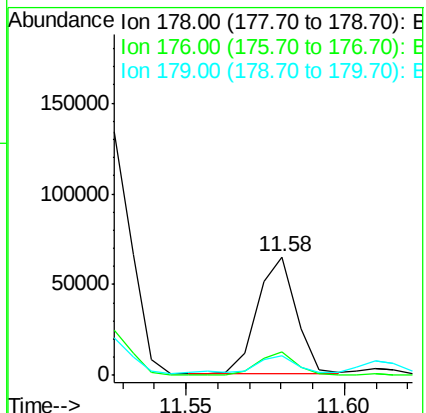
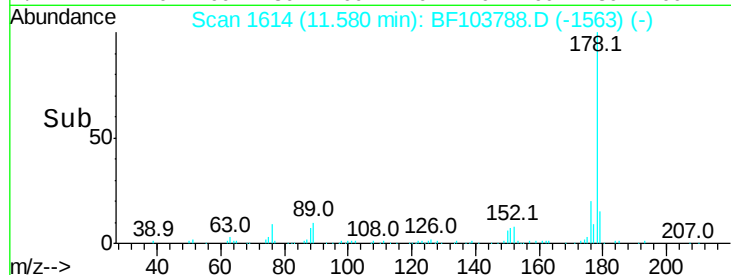
179 16.0 12.6 19.0



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: 5.899 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

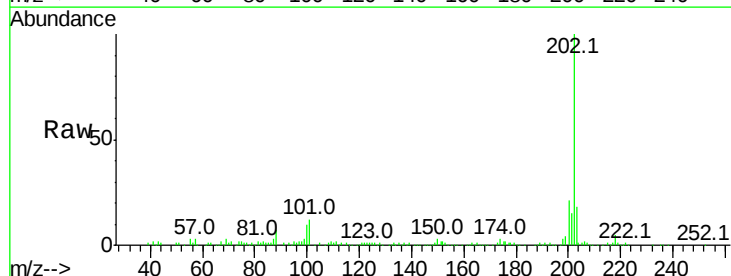
Tgt Ion:202 Resp: 136687

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

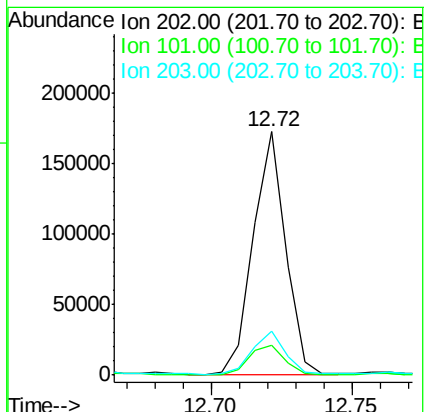
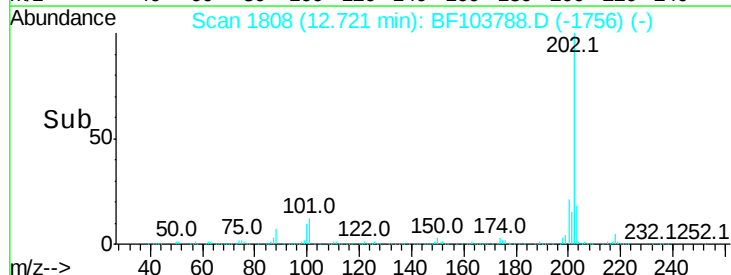
203 18.1 0.0 38.1

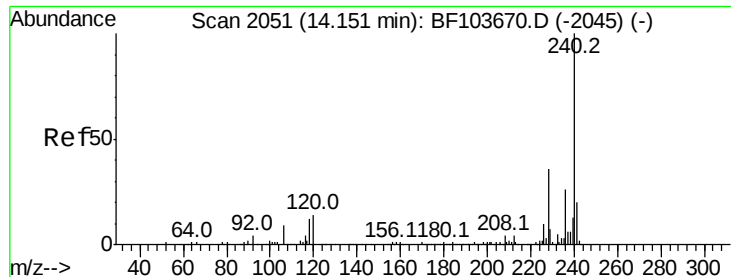


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2052

Delta R.T. 0.01 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Instrument :

BNA_F

ClientSampleId :

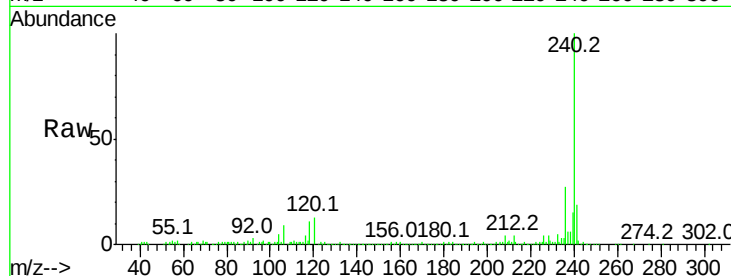
Tot Ion:240 Resp: 292875

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

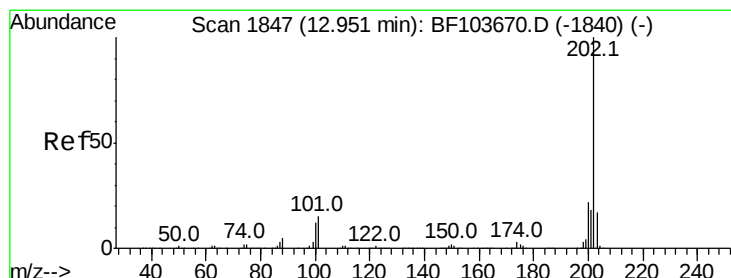
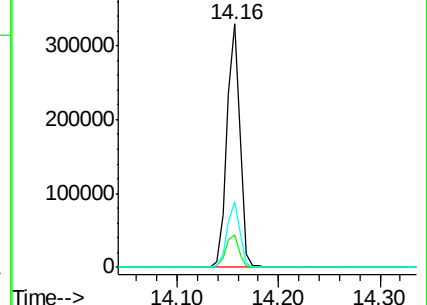
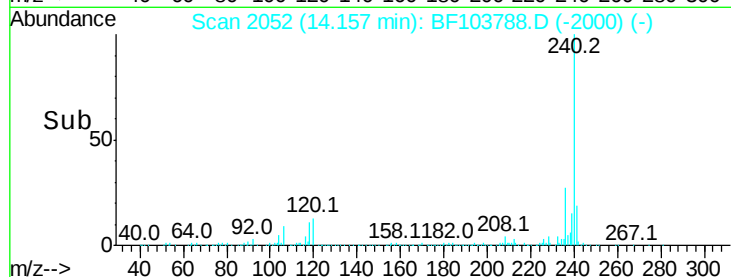
236 26.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.971 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

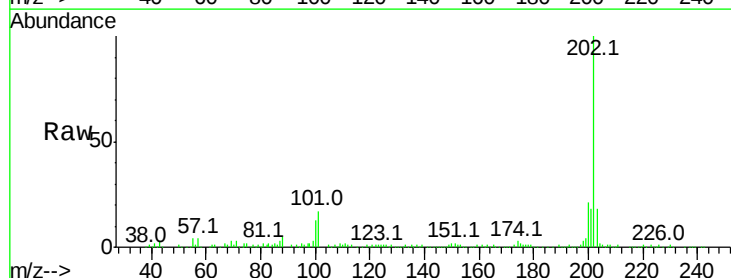
Tgt Ion:202 Resp: 149942

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

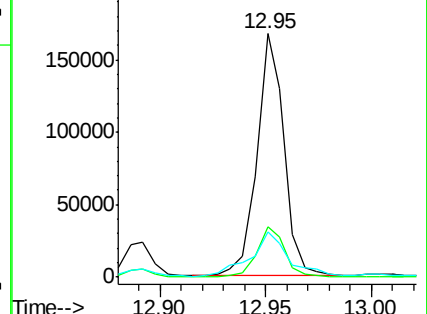
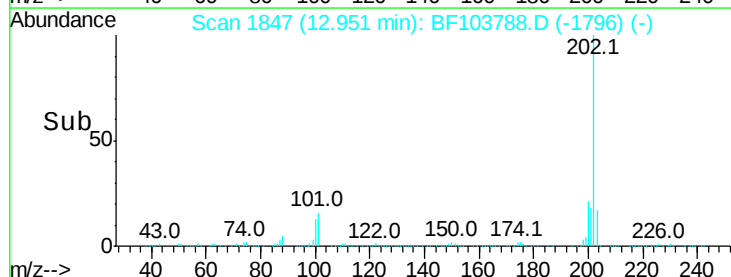
203 18.5 14.3 21.5

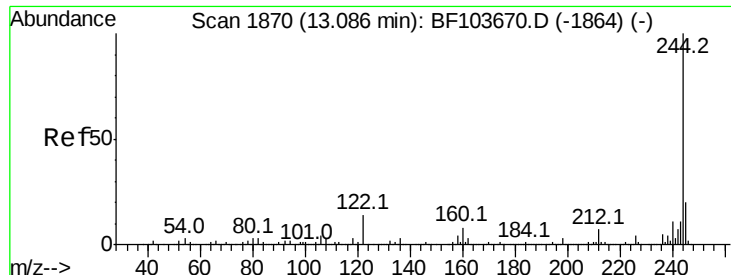


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

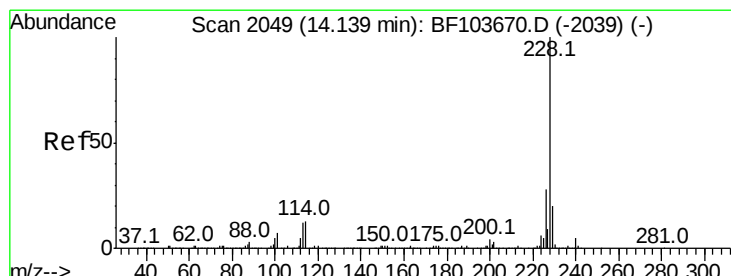
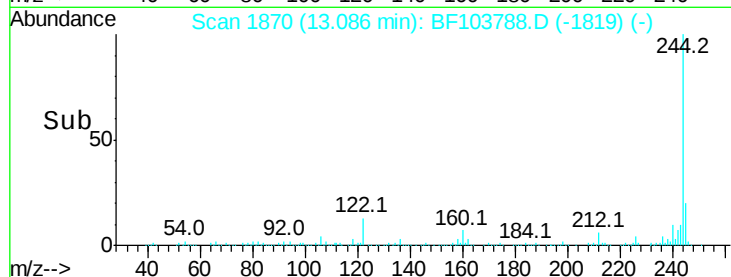
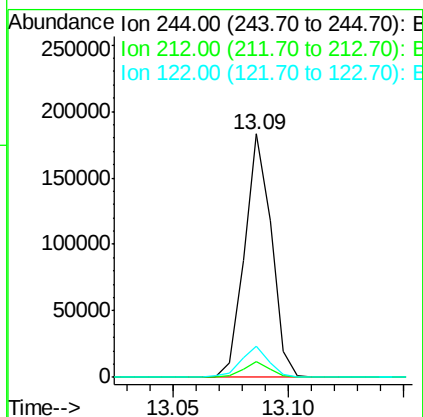
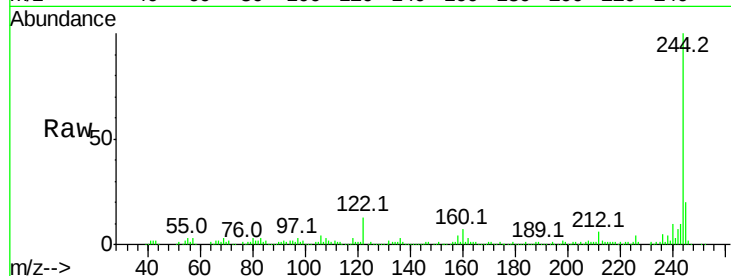




#78
 Terphenyl-d14
 Concen: 11.816 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

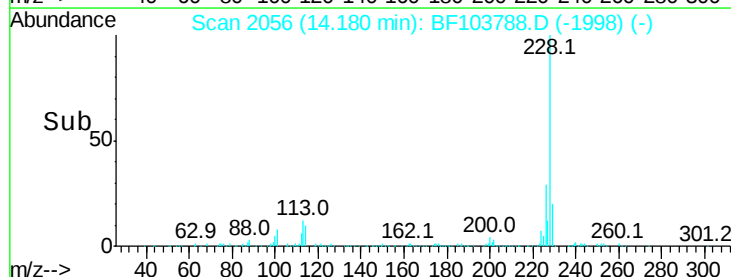
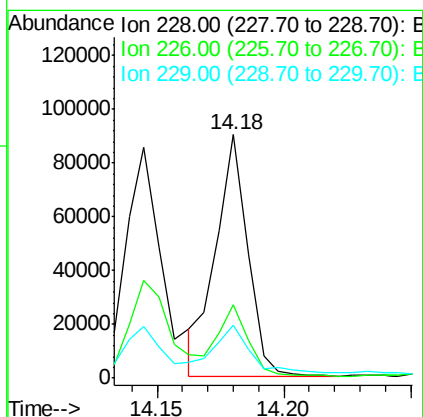
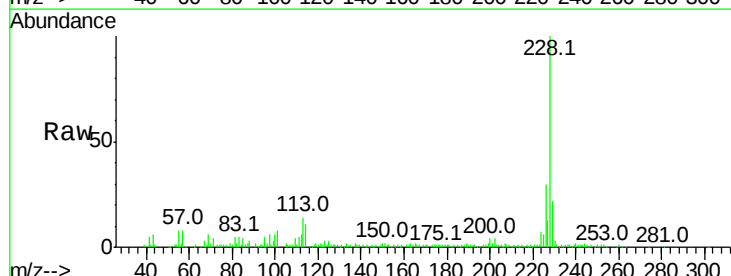
Instrument :
 BNA_F
 ClientSampled :

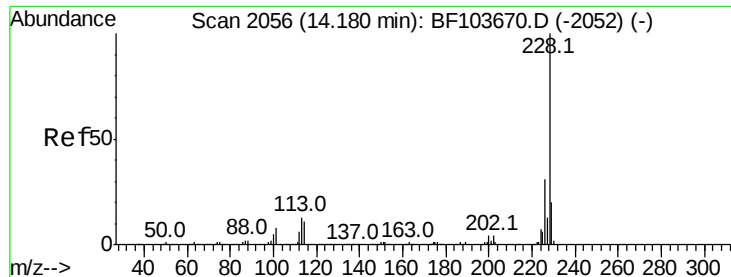
Tot Ion:244 Resp: 149096
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 13.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.263 ng
 RT: 14.18 min Scan# 2056
 Delta R.T. 0.04 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Tgt Ion:228 Resp: 79029
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 21.6 15.8 23.6

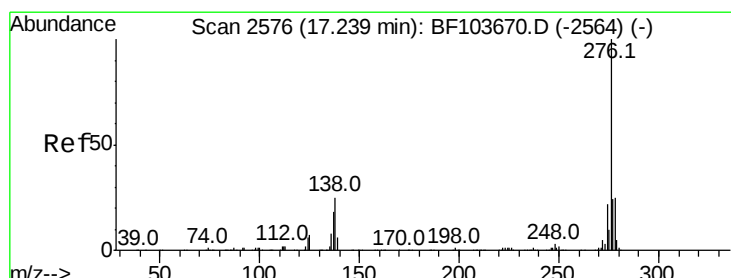
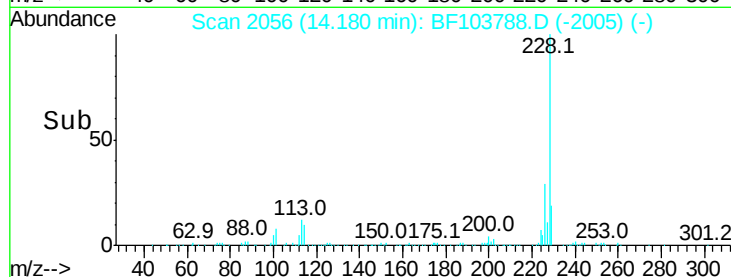
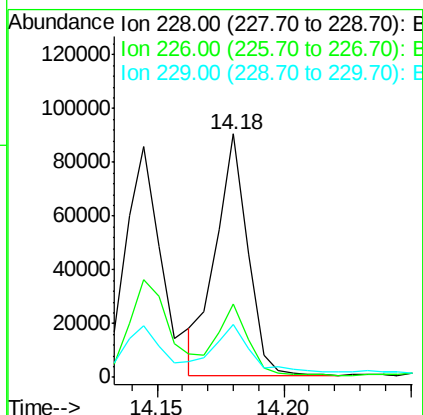
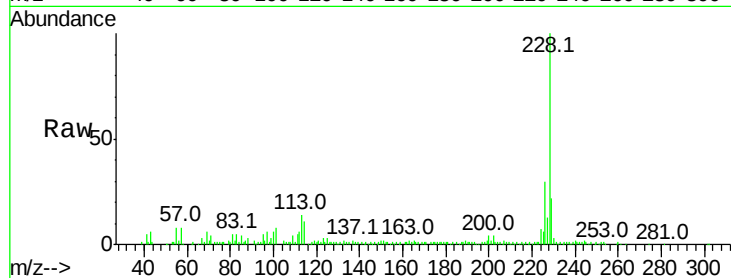




#82
Chrysene
Concen: 4.472 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

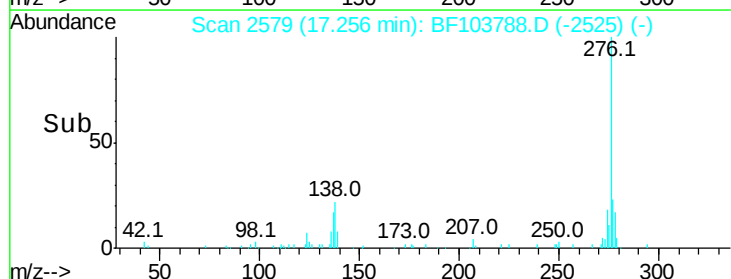
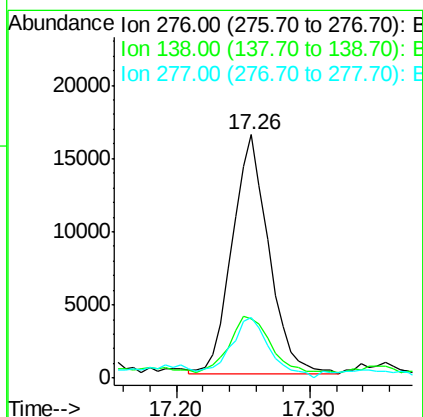
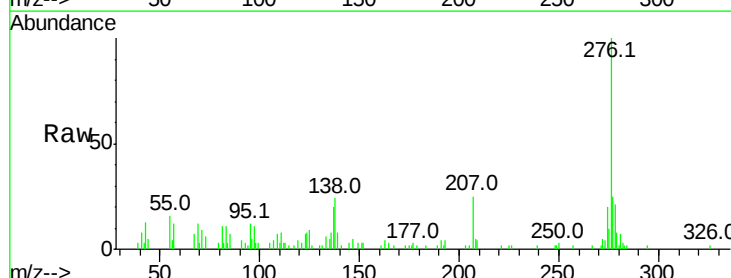
Instrument :
BNA_F
ClientSampleId :

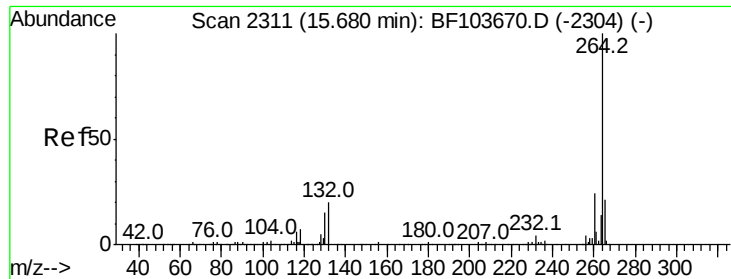
Tot Ion:228 Resp: 79029
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.6 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.012 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.02 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion:276 Resp: 31049
Ion Ratio Lower Upper
276 100
138 26.1 25.0 37.6
277 27.7 20.1 30.1

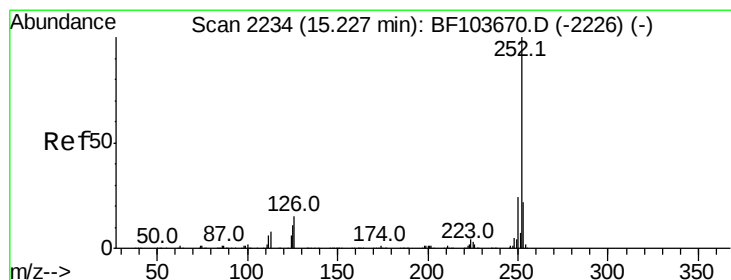
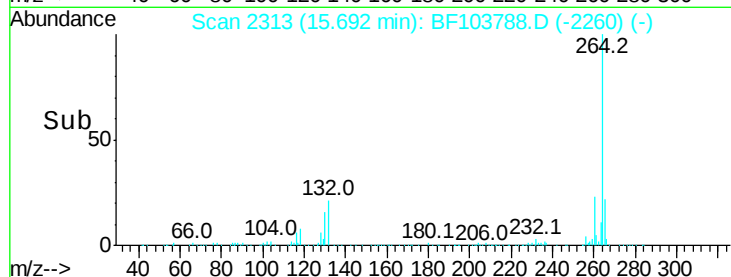
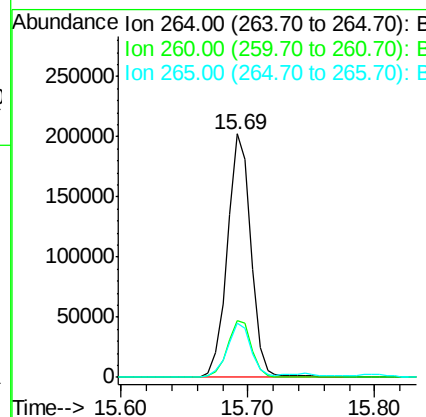
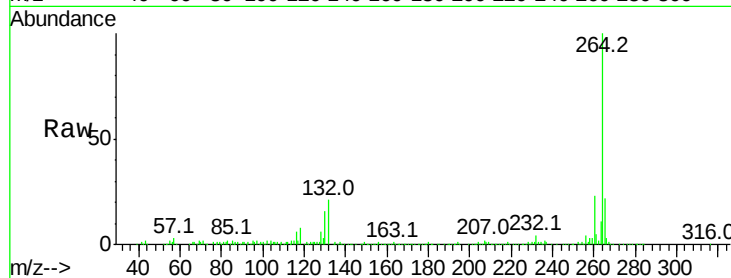




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

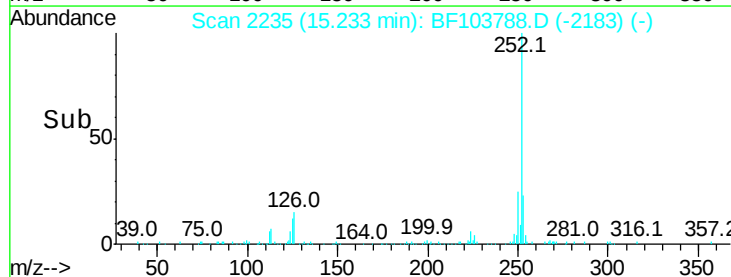
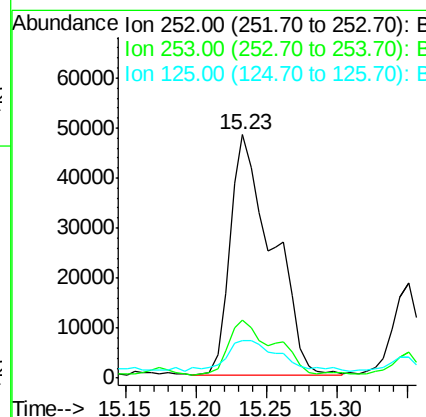
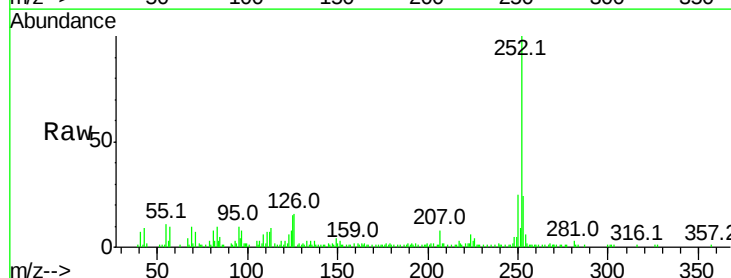
Instrument :
BNA_F
ClientSampleId :

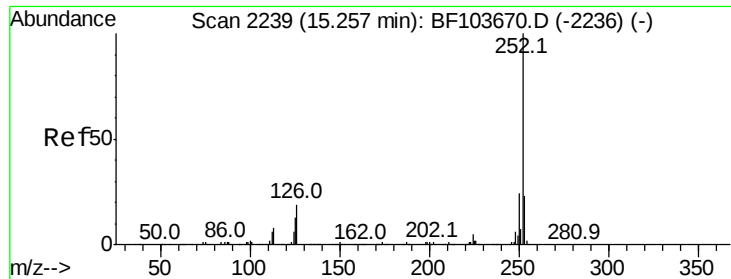
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 6.106 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	15.3	9.0	13.6#

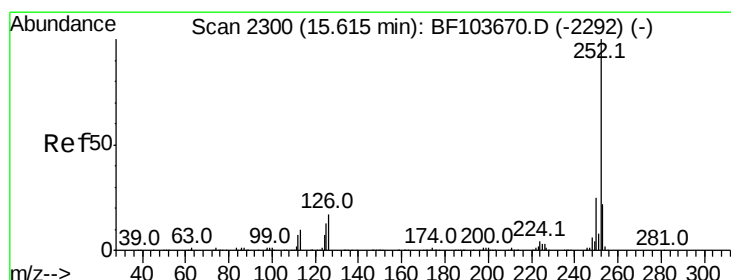
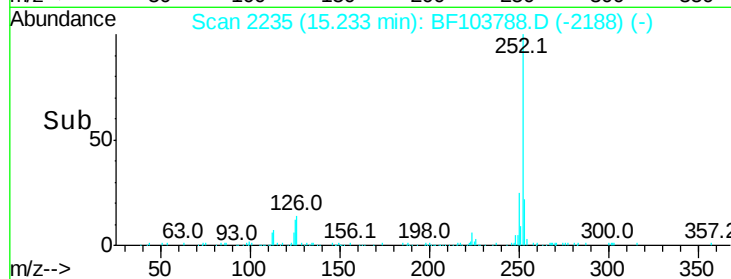
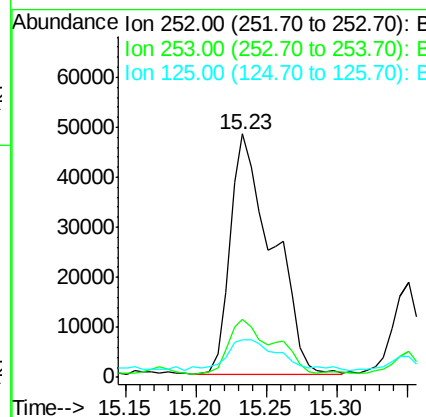
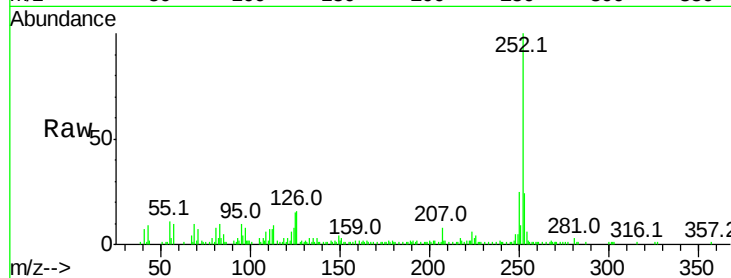




#88
Benzo(k)fluoranthene
Concen: 6.352 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

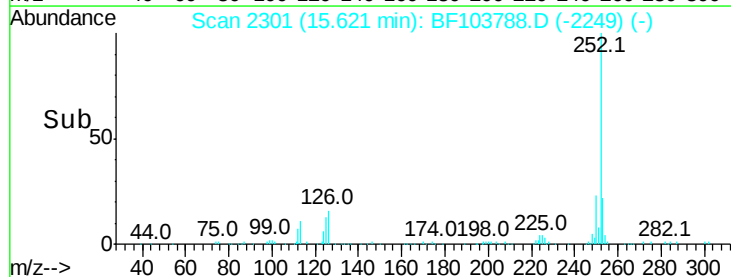
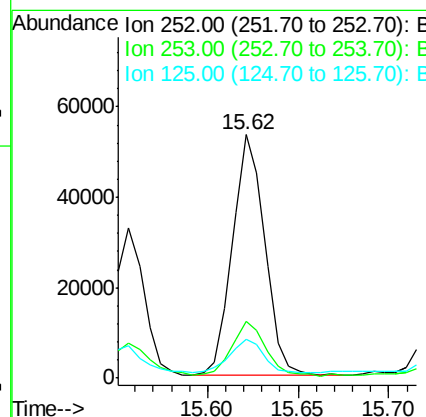
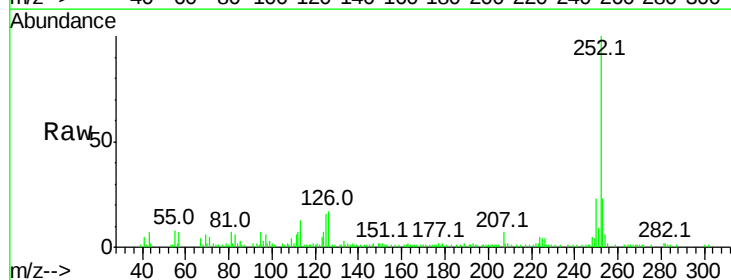
Instrument :
BNA_F
ClientSampleId :

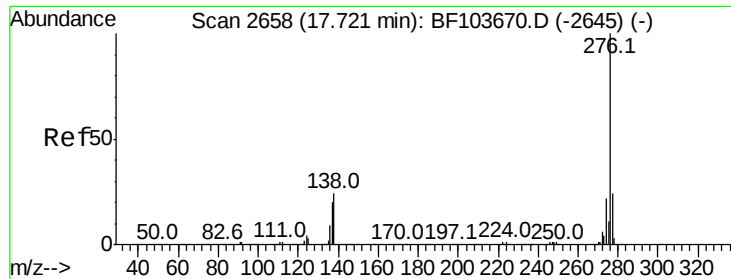
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	15.3	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 4.443 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	16.0	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.429 ng

RT: 17.73 min Scan# 2660

Delta R.T. 0.01 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Instrument :

BNA_F

ClientSampleId :

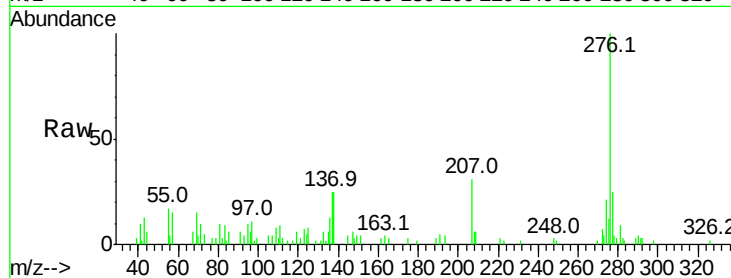
Tot Ion: 276 Resp: 30497

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 25.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

