

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101778.D
 Acq On : 27 Dec 2017 22:22
 Operator : SJ/JU
 Sample : I7064-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 04:10:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	162470	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	624160	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	255293	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	412245	20.00	ng	0.00
75) Chrysene-d12	13.97	240	299290	20.00	ng	0.00
86) Perylene-d12	15.44	264	277952	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	661480	60.65	ng	0.00
7) Phenol-d6	6.43	99	794662	58.54	ng	0.00
23) Nitrobenzene-d5	7.36	82	475275	42.39	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	143129	58.18	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	806391	49.00	ng	0.00
78) Terphenyl-d14	12.90	244	554401	44.66	ng	0.00

Target Compounds

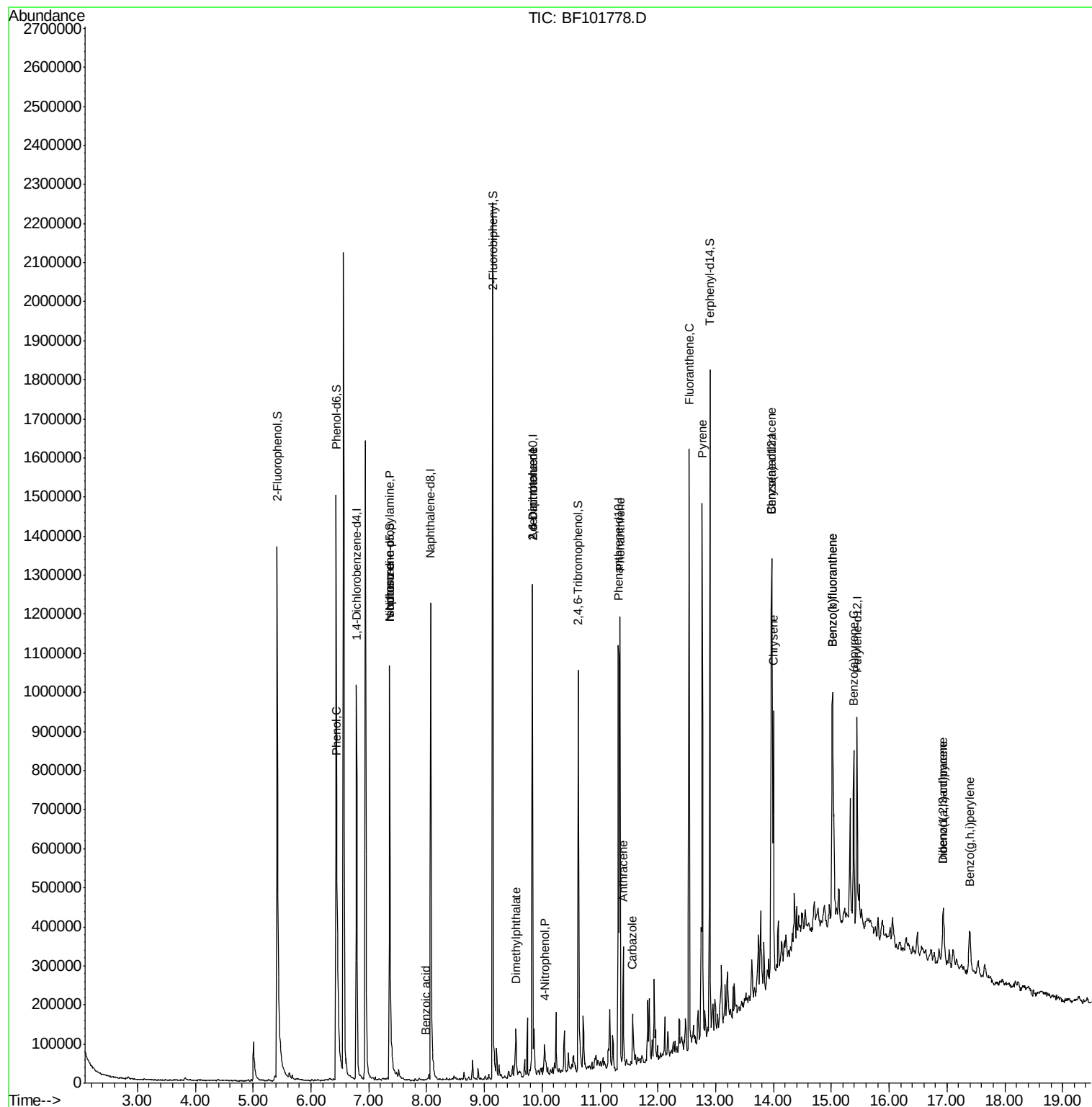
						Qvalue
10) Phenol	6.45	94	36431	2.355	ng	# 49
19) n-Nitroso-di-n-propylamine	7.36	70	63656	7.141	ng	# 81
25) Isophorone	7.36	82	475275	21.130	ng	# 64
32) Benzoic acid	7.97	122	256	7.996	ng	# 1
49) Dimethylphthalate	9.55	163	55402	2.698	ng	99
50) 2,6-Dinitrotoluene	9.83	165	33044	7.917	ng	# 26
55) 4-Nitrophenol	10.04	139	12189	5.372	ng	# 12
56) 2,4-Dinitrotoluene	9.83	165	33044	7.027	ng	# 23
70) Phenanthrene	11.34	178	455767	19.880	ng	99
71) Anthracene	11.40	178	121376	5.183	ng	99
72) Carbazole	11.57	167	53757	2.452	ng	98
74) Fluoranthene	12.54	202	618397	25.698	ng	97
77) Pyrene	12.77	202	541982	24.129	ng	99
80) Benzo(a)anthracene	13.96	228	285885	14.466	ng	99
82) Chrysene	14.00	228	252504	13.532	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	114658	6.900	ng	# 89
87) Benzo(b)fluoranthene	15.02	252	425789	25.132	ng	97
88) Benzo(k)fluoranthene	15.02	252	425789	25.849	ng	99
89) Benzo(a)pyrene	15.39	252	207029	13.256	ng	98
90) Dibenzo(a,h)anthracene	16.93	278	27399	2.043	ng	# 88
91) Benzo(g,h,i)perylene	17.39	276	105508	7.946	ng	96

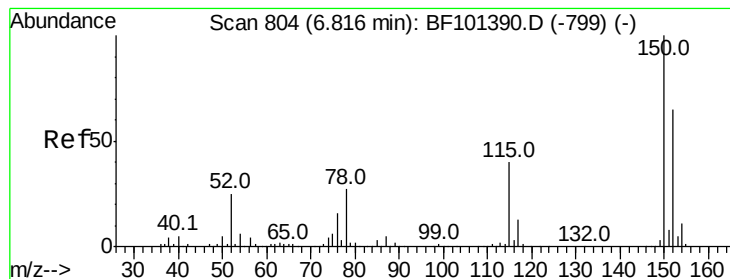
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_F

ClientSampled :

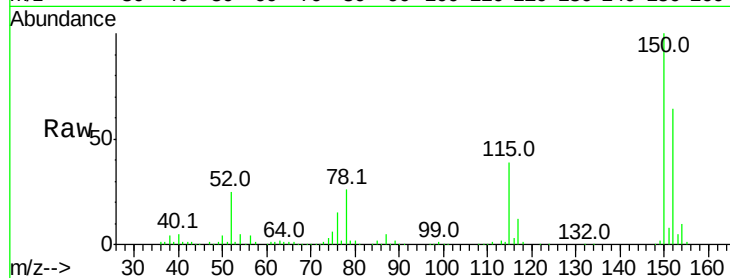
Tot Ion:152 Resp: 162470

Ion Ratio Lower Upper

152 100

150 156.6 124.6 186.8

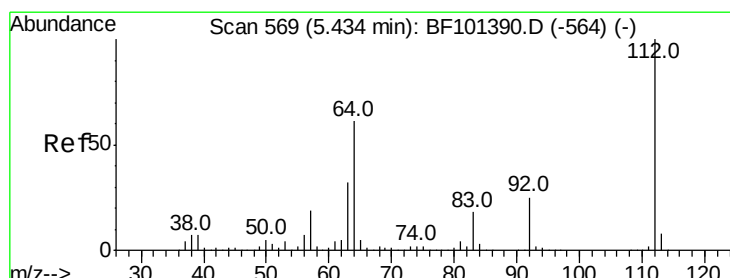
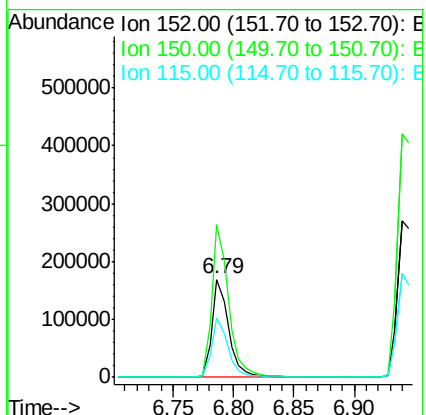
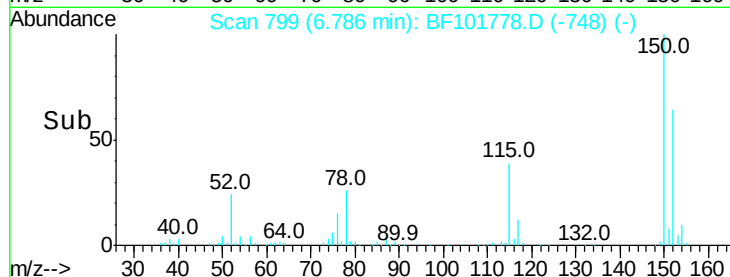
115 60.5 50.1 75.1



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: 60.647 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

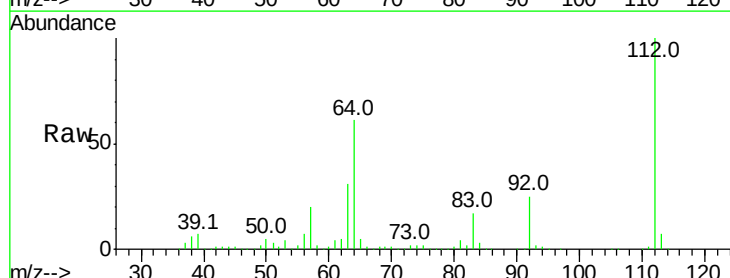
Tgt Ion:112 Resp: 661480

Ion Ratio Lower Upper

112 100

64 61.2 47.9 71.9

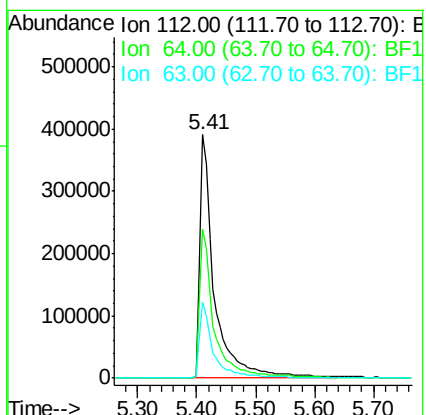
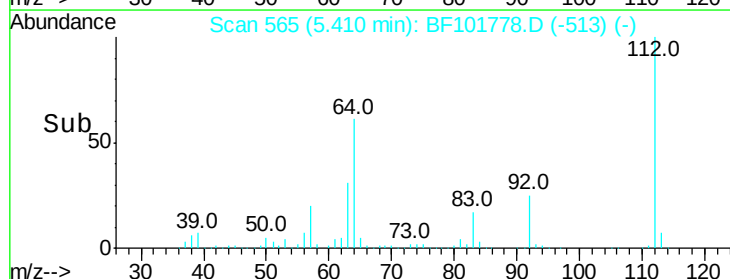
63 31.0 23.7 35.5

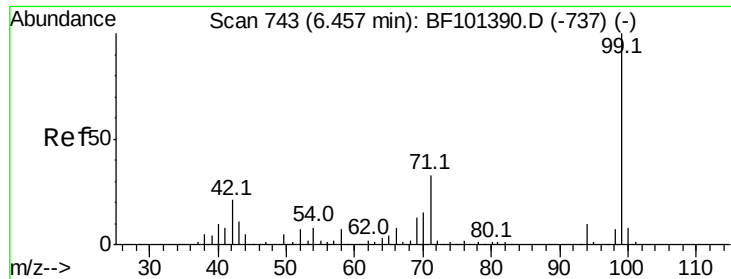


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 58.542 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_F

ClientSampleId :

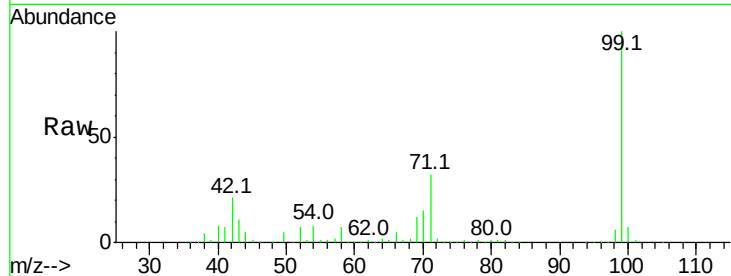
Tot Ion: 99 Resp: 794662

Ion Ratio Lower Upper

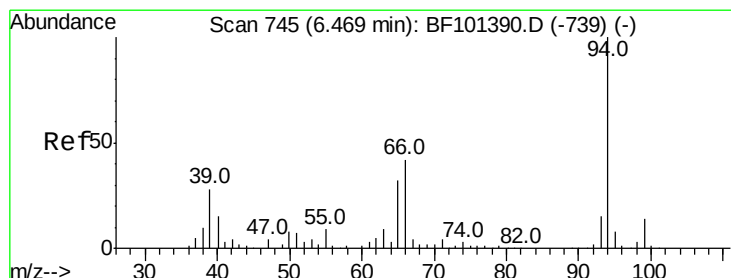
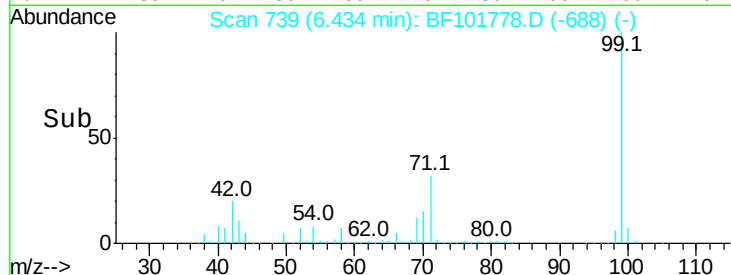
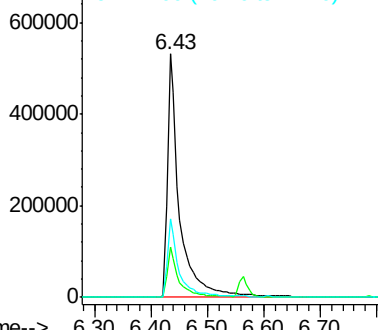
99 100

42 20.6 14.5 21.7

71 32.1 25.4 38.0



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



#10

Phenol

Concen: 2.355 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

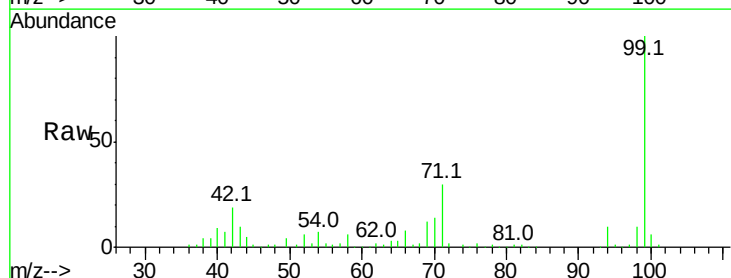
Tgt Ion: 94 Resp: 36431

Ion Ratio Lower Upper

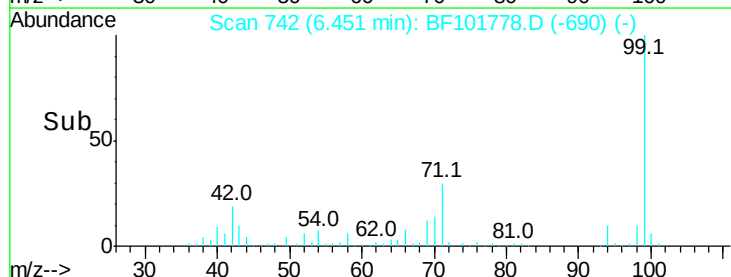
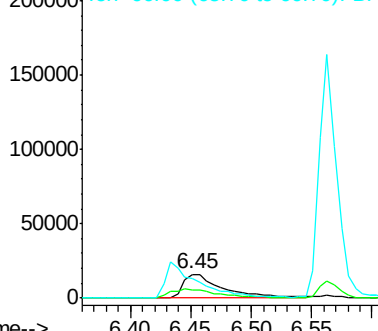
94 100

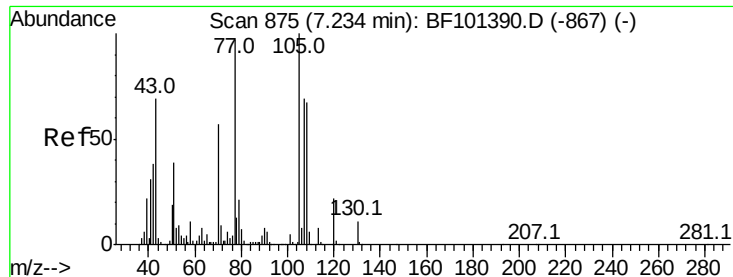
65 35.9 7.9 47.9

66 82.3 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

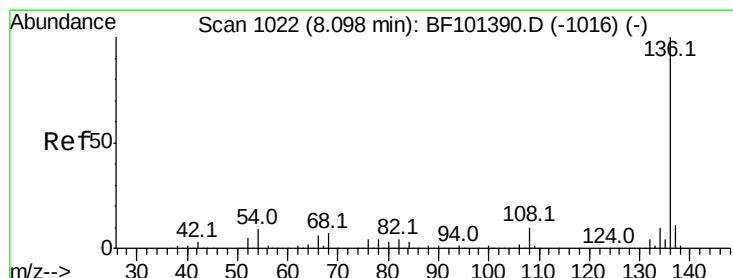
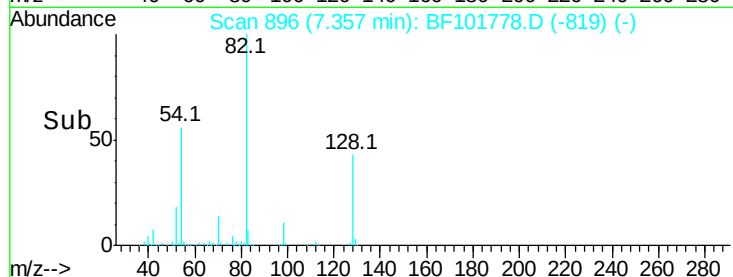
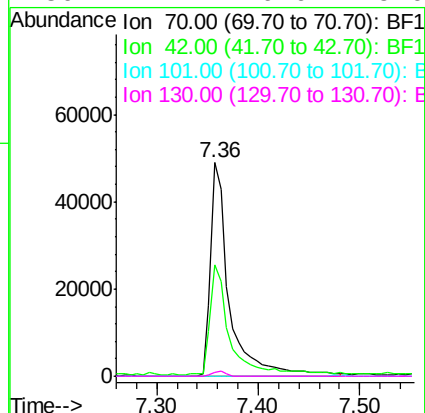
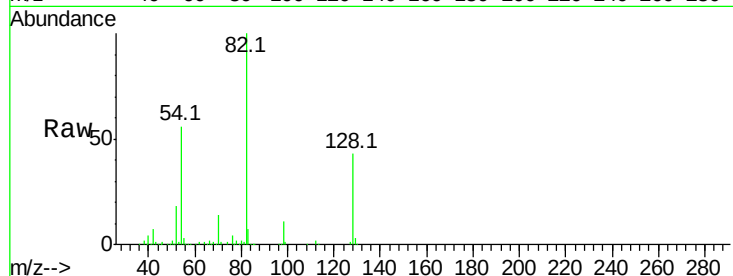




#19
n-Nitroso-di-n-propylamine
Concen: 7.141 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

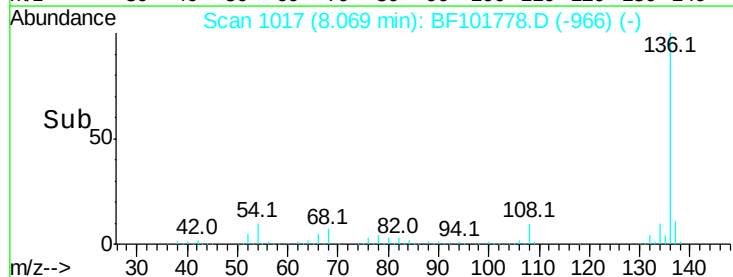
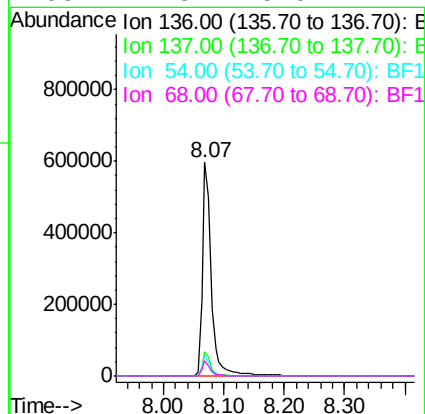
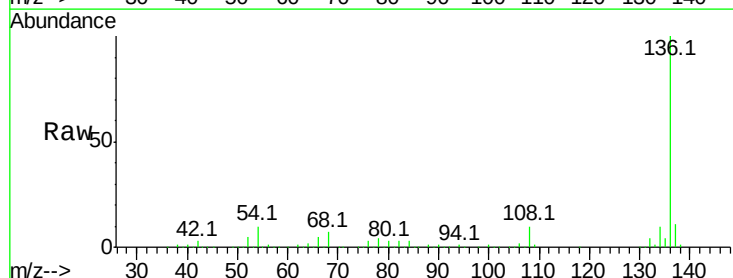
Instrument :
BNA_F
ClientSampleId :

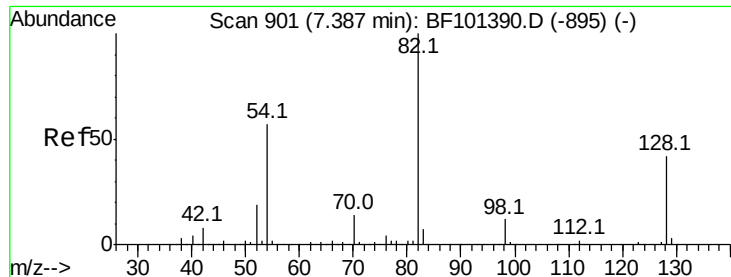
Tot Ion: 70 Resp: 63656
Ion Ratio Lower Upper
70 100
42 52.1 47.5 71.3
101 0.0 7.4 11.2#
130 1.7 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion: 136 Resp: 624160
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.6 6.6 9.8
68 7.3 5.0 7.4

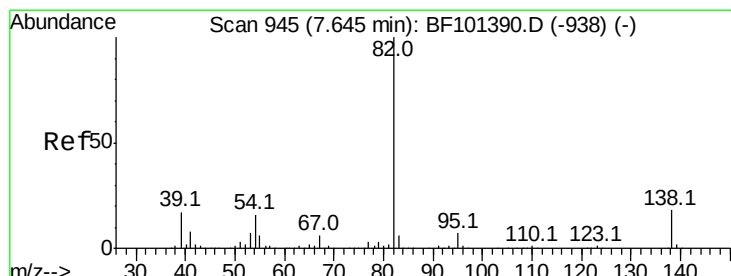
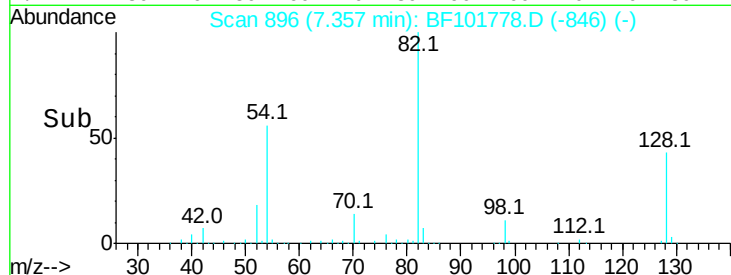
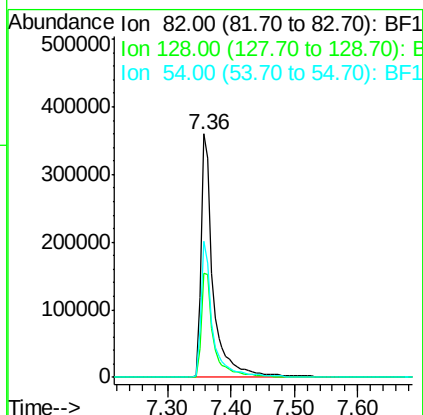
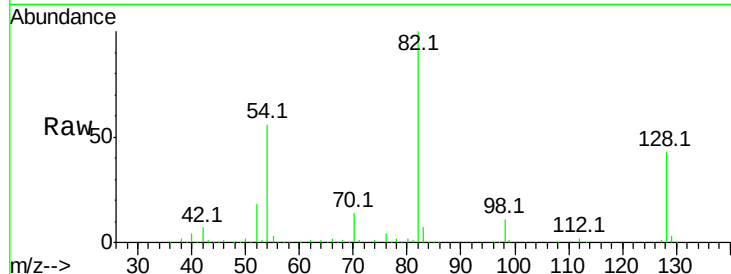




#23
 Nitrobenzene-d5
 Concen: 42.387 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

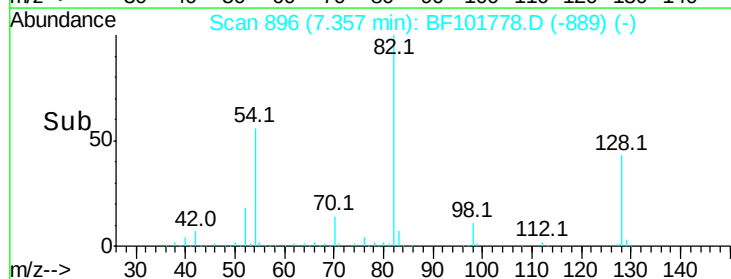
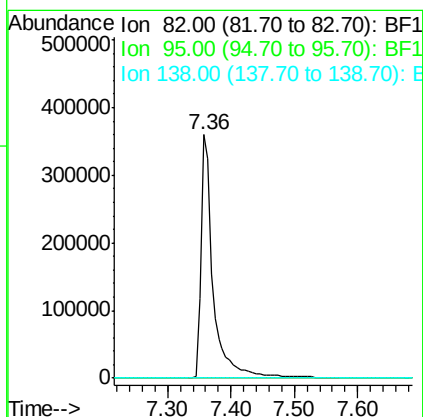
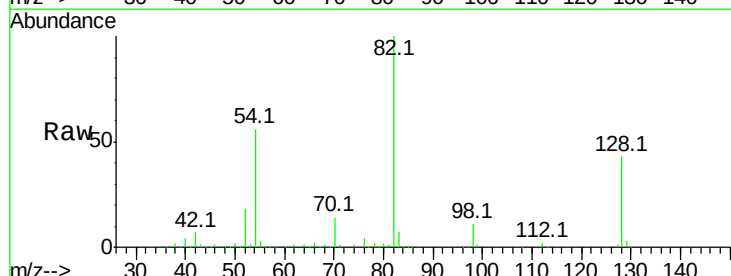
Instrument :
 BNA_F
 ClientSampled :

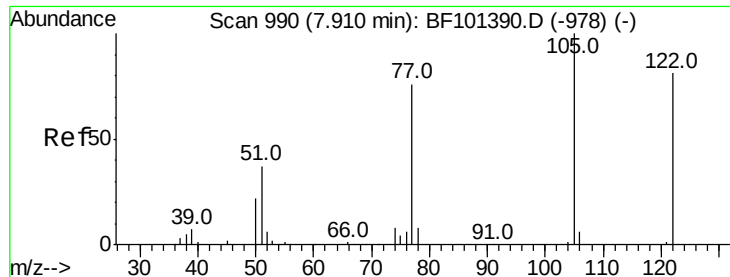
Tot Ion: 82 Resp: 475275
 Ion Ratio Lower Upper
 82 100
 128 42.9 36.1 54.1
 54 55.9 41.4 62.2



#25
 Isophorone
 Concen: 21.130 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Tgt Ion: 82 Resp: 475275
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 7.996 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.08 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_F

ClientSampleId :

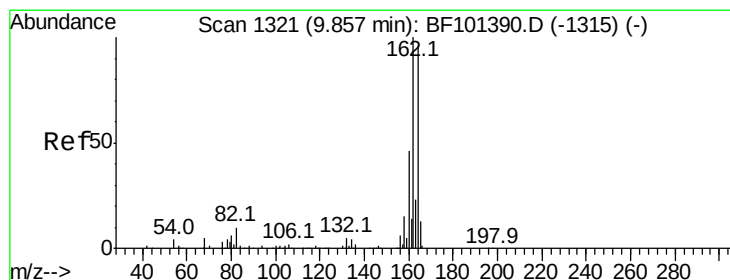
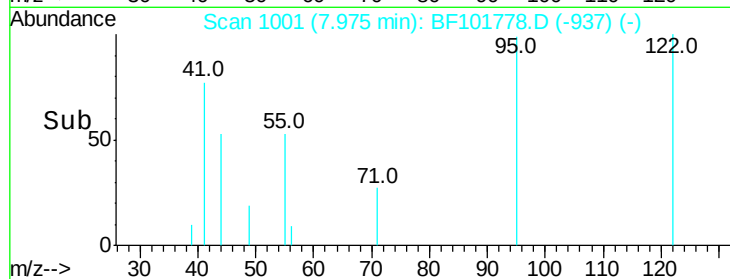
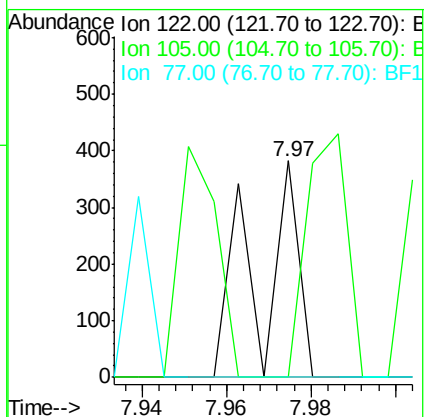
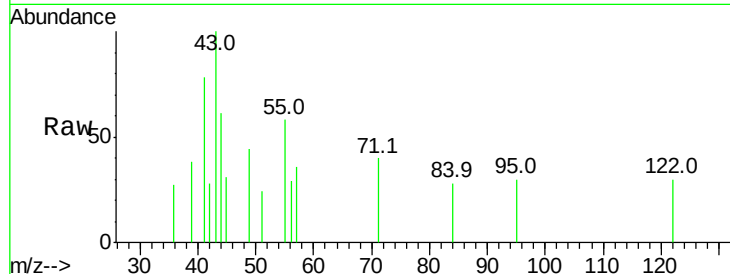
Tot Ion:122 Resp: 256

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

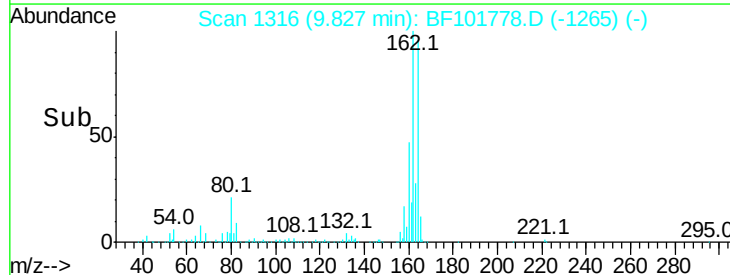
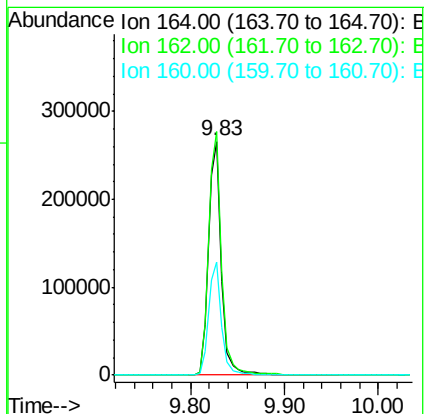
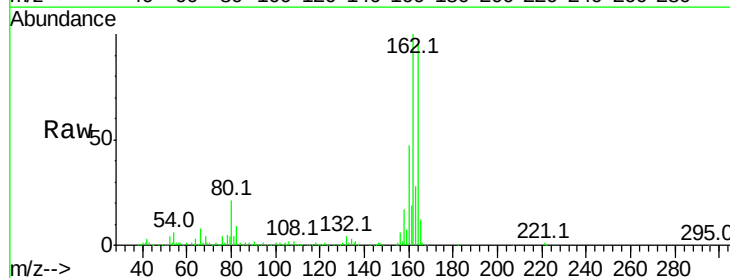
Tgt Ion:164 Resp: 255293

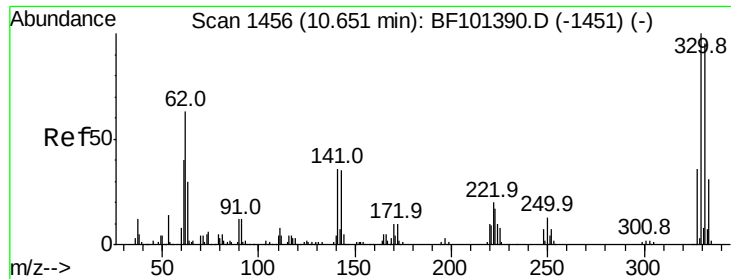
Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

160 48.7 38.3 57.5

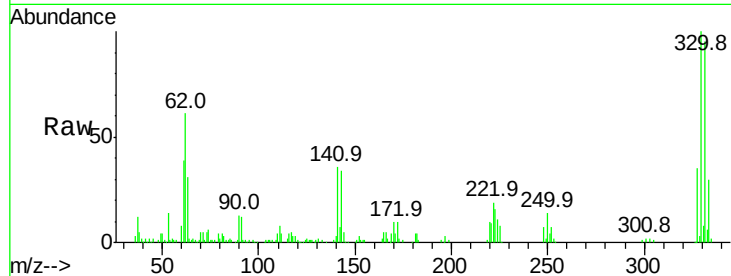




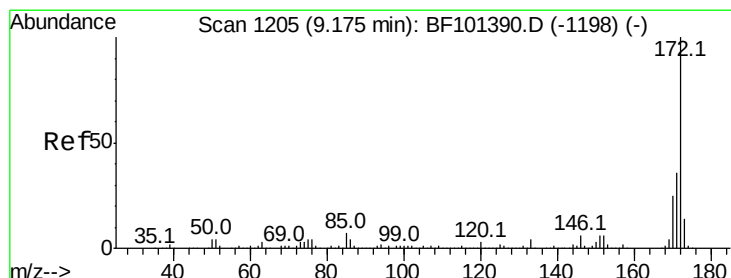
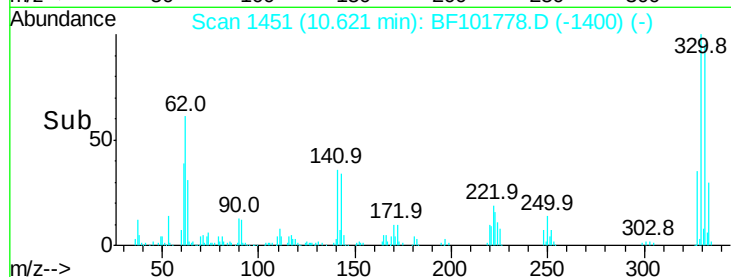
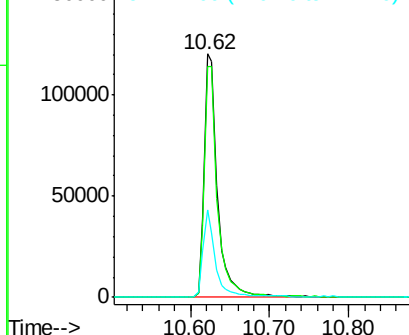
#41
 2,4,6-Tribromophenol
 Concen: 58.184 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 143129
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 34.1 29.9 44.9

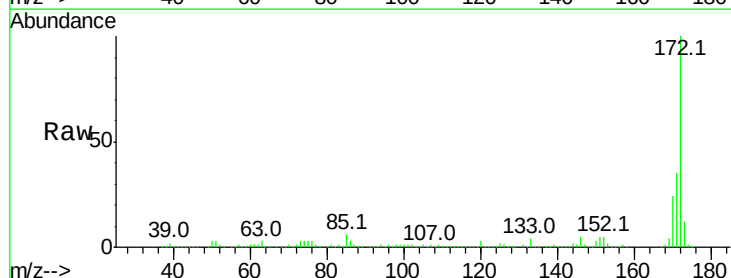


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

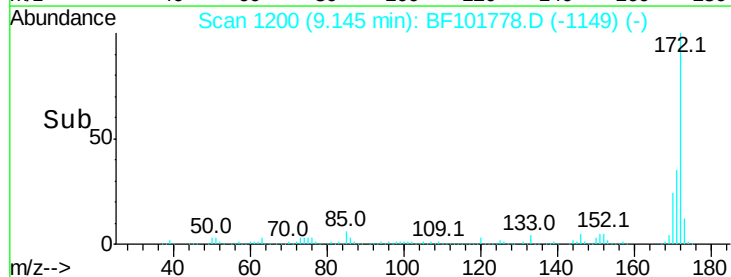
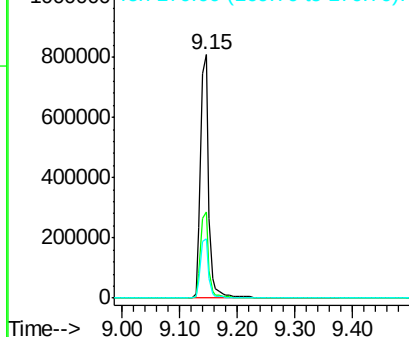


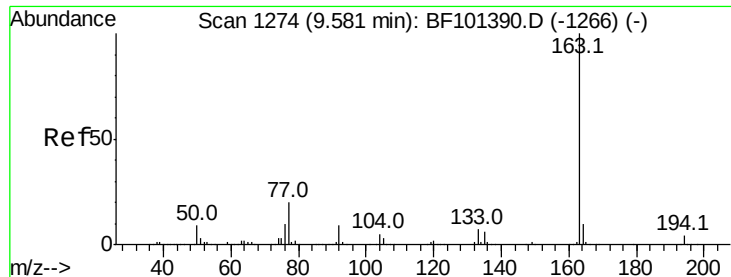
#44
 2-Fluorobiphenyl
 Concen: 48.999 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Tgt Ion:172 Resp: 806391
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 24.2 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

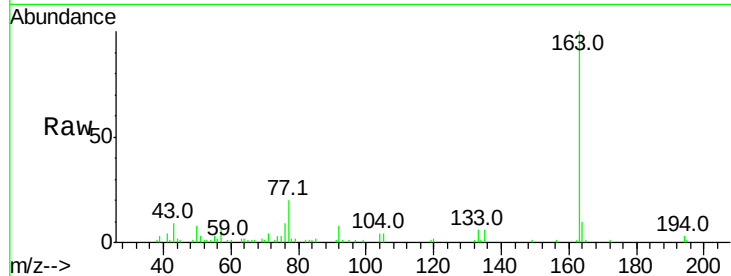




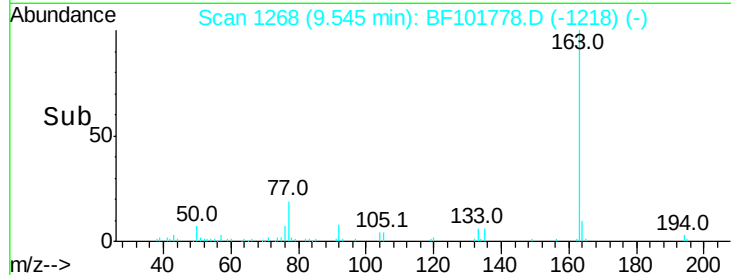
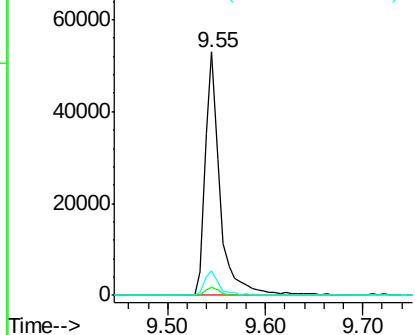
#49
Dimethylphthalate
Concen: 2.698 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 55402
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.9 8.2 12.2

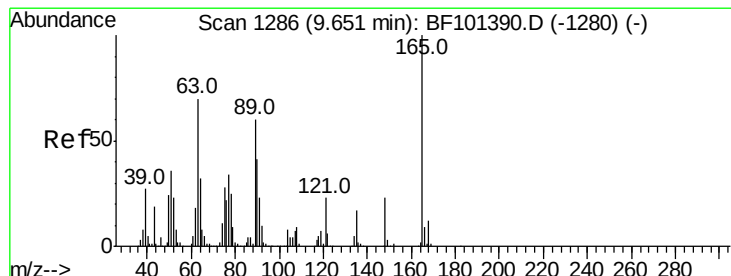


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

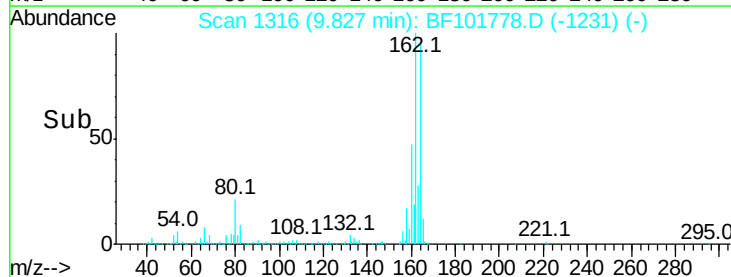
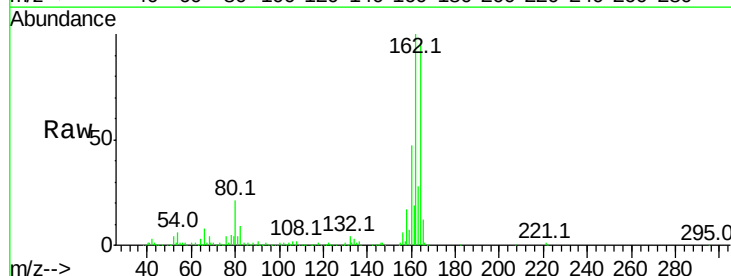
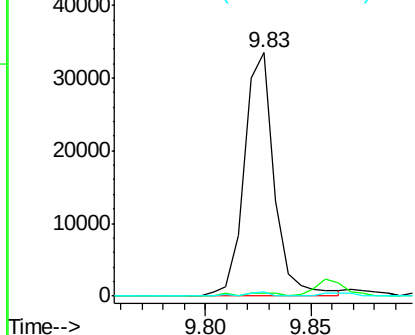


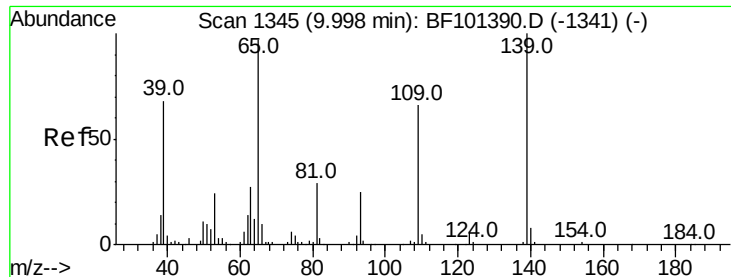
#50
2,6-Dinitrotoluene
Concen: 7.917 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.20 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion:165 Resp: 33044
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.6 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: 5.372 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.05 min

Lab File: BF101778.D

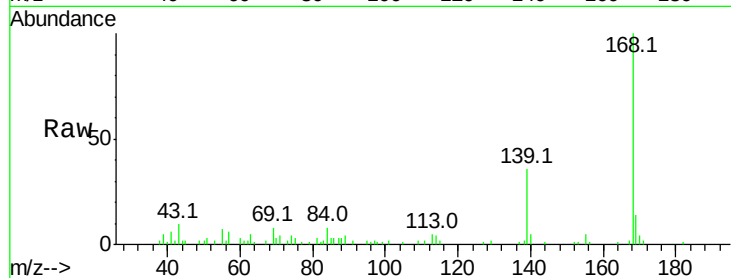
Acq: 27 Dec 2017 22:22

Instrument :

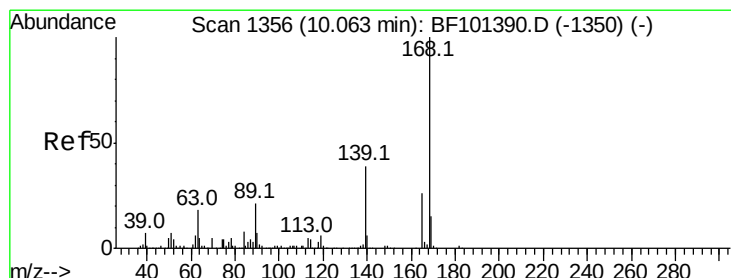
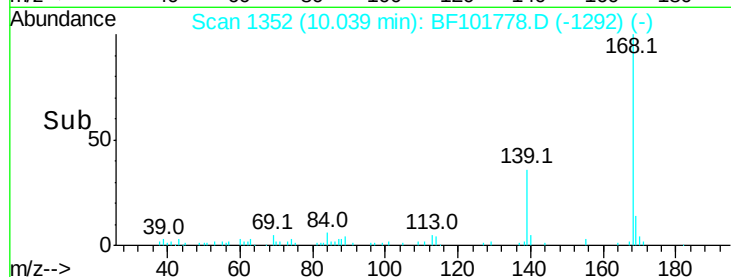
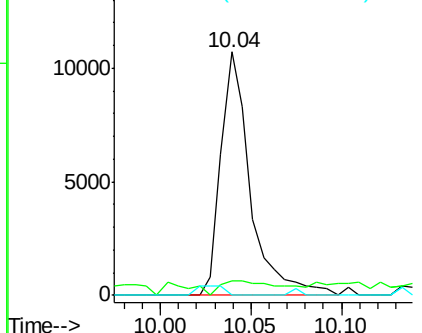
BNA_F

ClientSampled :

Tot Ion:	139	Resp:	12189
Ion	Ratio	Lower	Upper
139	100		
109	5.7	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: 7.027 ng

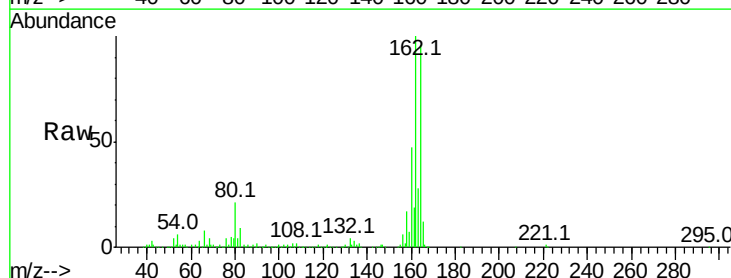
RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

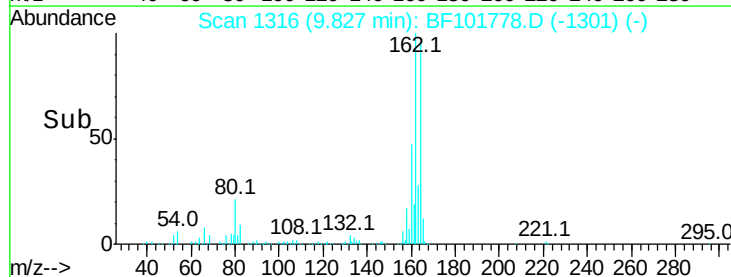
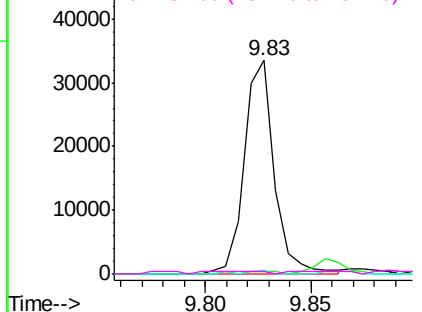
Lab File: BF101778.D

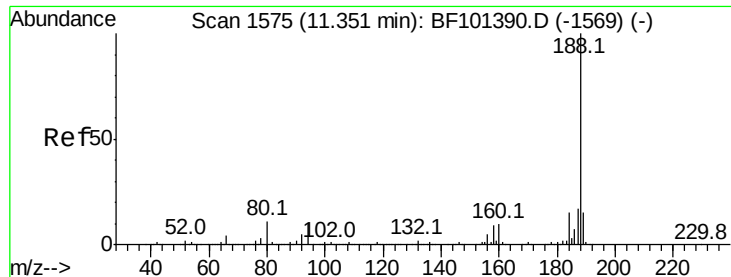
Acq: 27 Dec 2017 22:22

Tgt Ion:	165	Resp:	33044
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	1.0	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

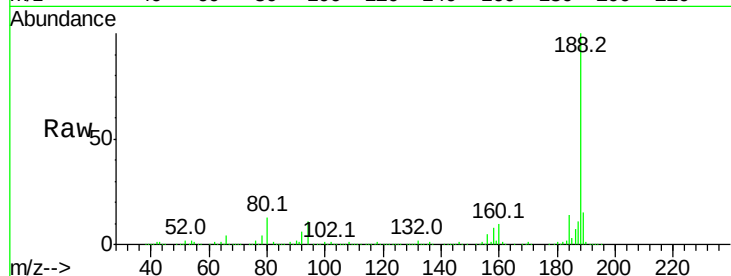




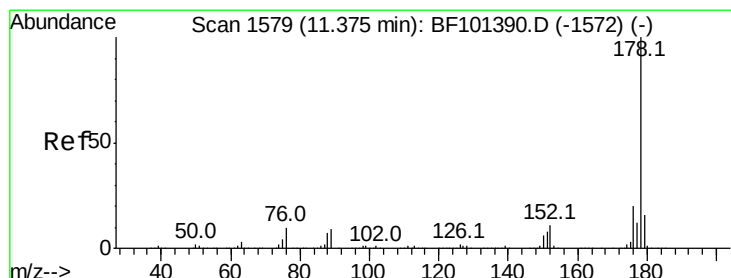
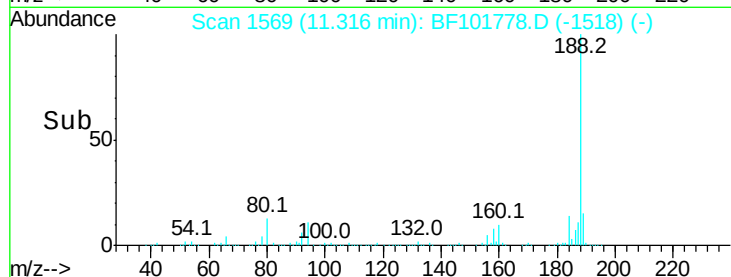
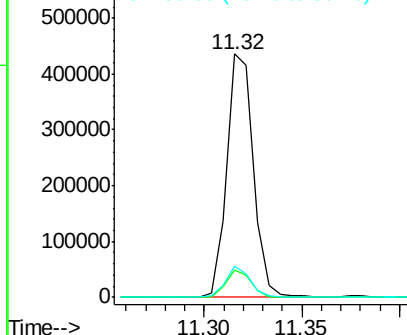
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 412245
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 12.6 9.2 13.8

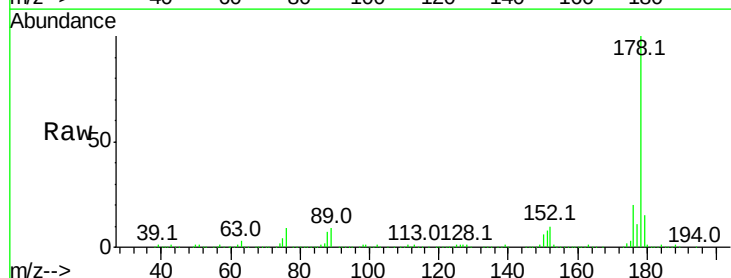


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

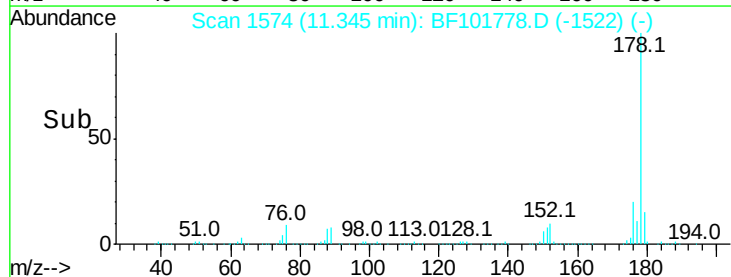
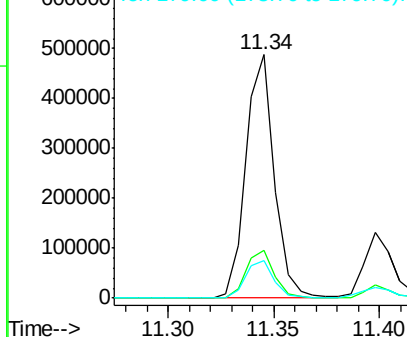


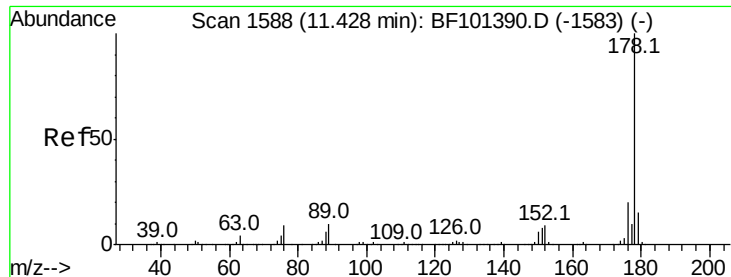
#70
Phenanthrene
Concen: 19.880 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion:178 Resp: 455767
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.2 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: 5.183 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_F

ClientSampleId :

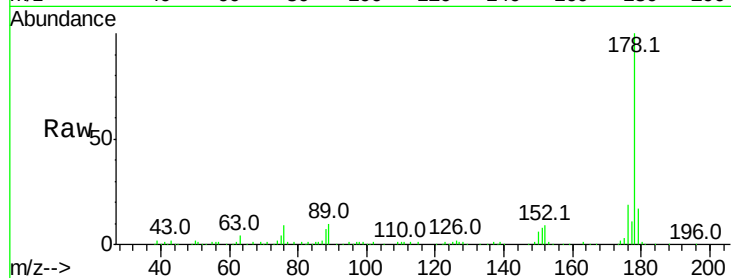
Tot Ion:178 Resp: 121376

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

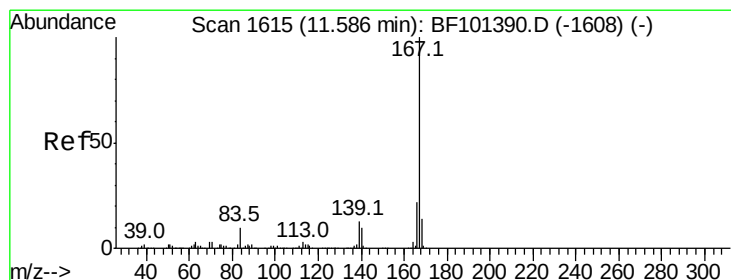
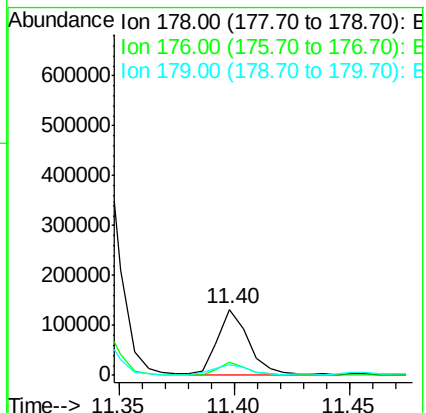
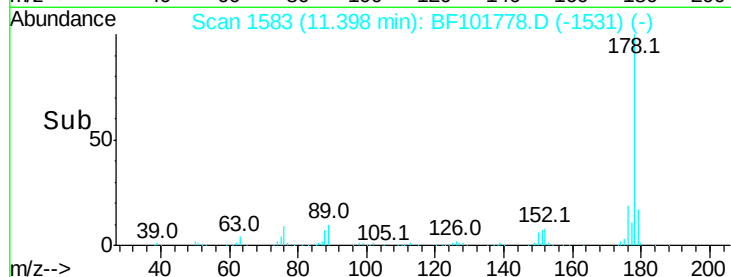
179 16.9 12.6 19.0



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



#72

Carbazole

Concen: 2.452 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

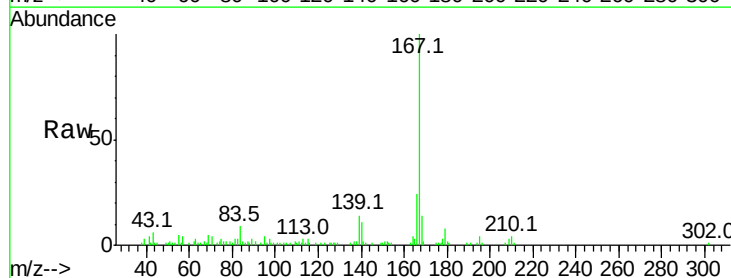
Tgt Ion:167 Resp: 53757

Ion Ratio Lower Upper

167 100

166 23.9 17.6 26.4

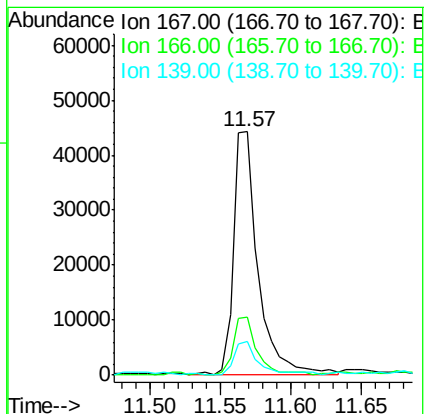
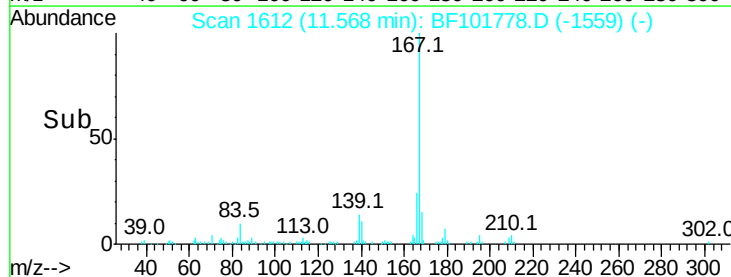
139 13.6 10.9 16.3

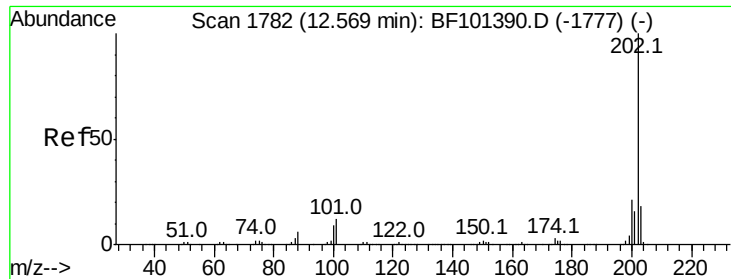


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 25.698 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_F

ClientSampleId :

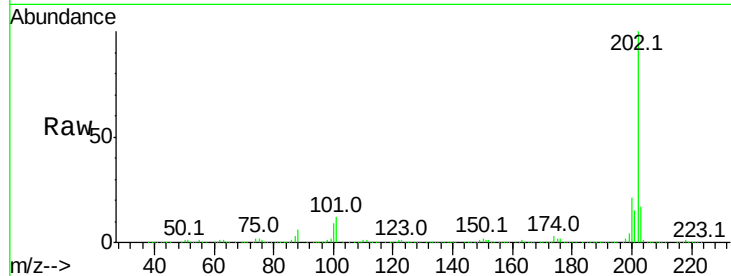
Tot Ion:202 Resp: 618397

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

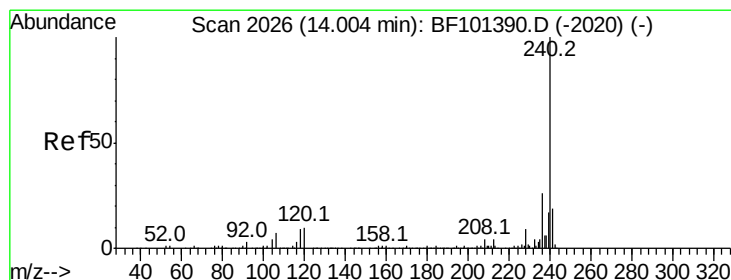
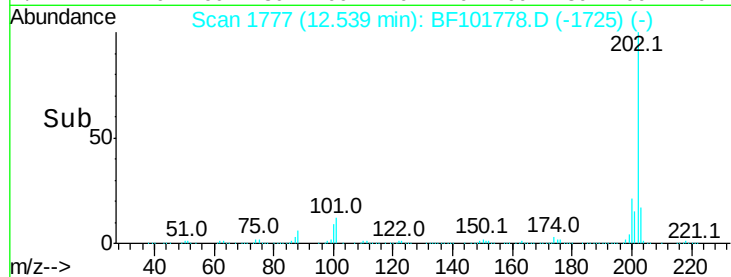
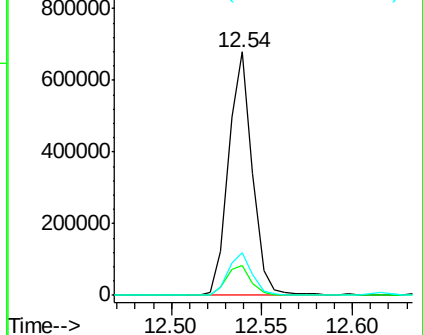
203 17.4 0.0 38.1



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: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

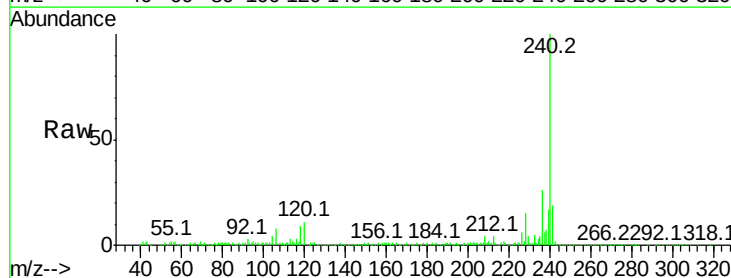
Tgt Ion:240 Resp: 299290

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

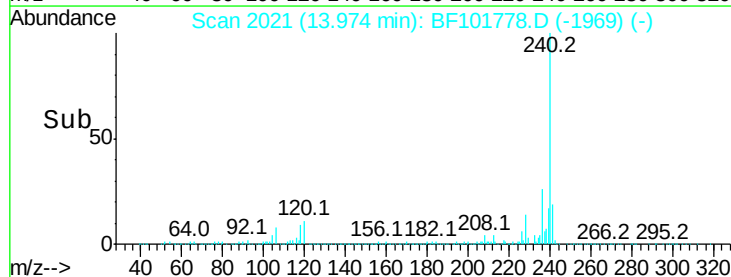
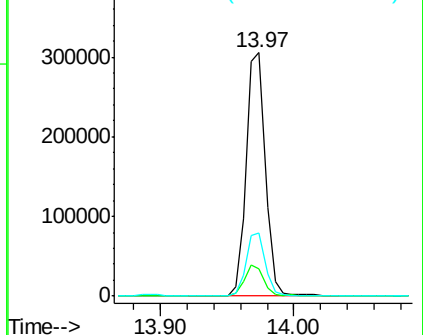
236 26.0 20.7 31.1

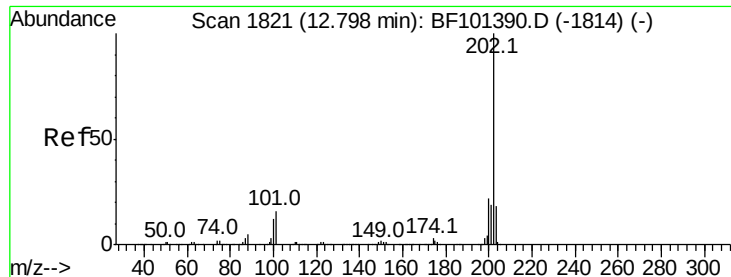


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

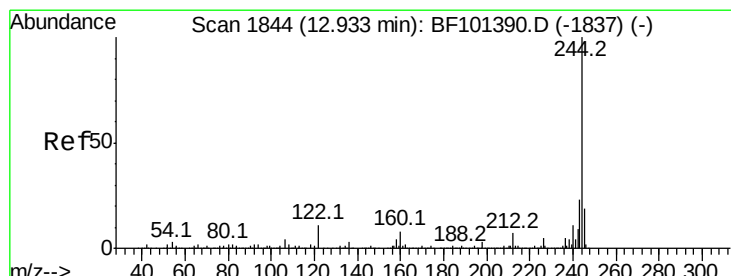
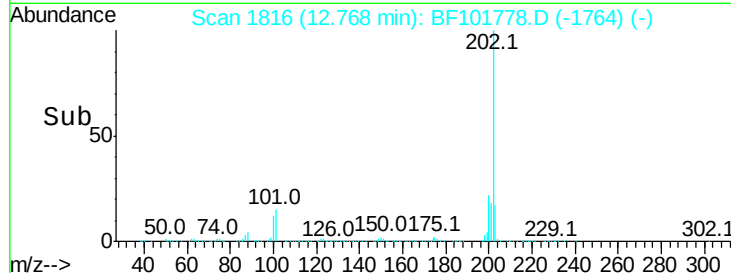
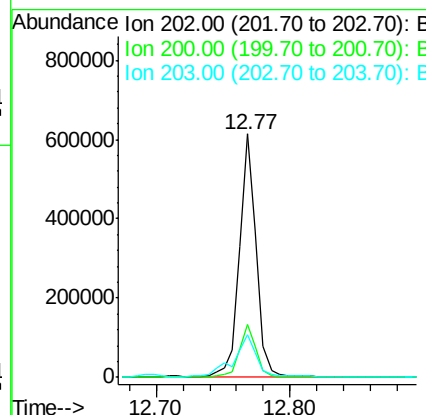
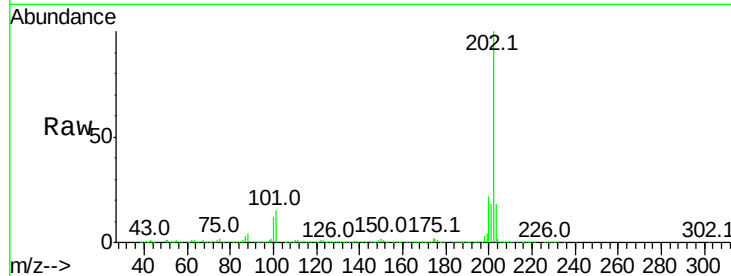




#77
Pvrene
Concen: 24.129 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

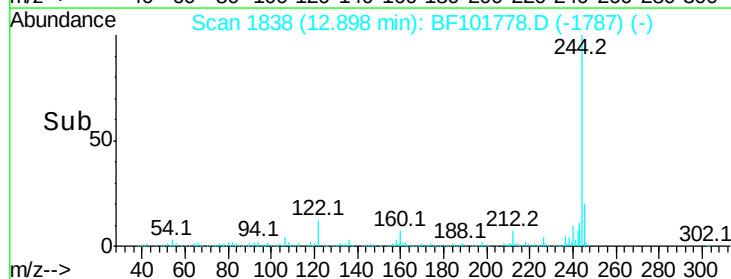
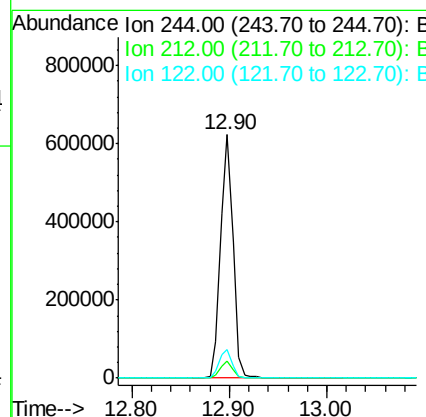
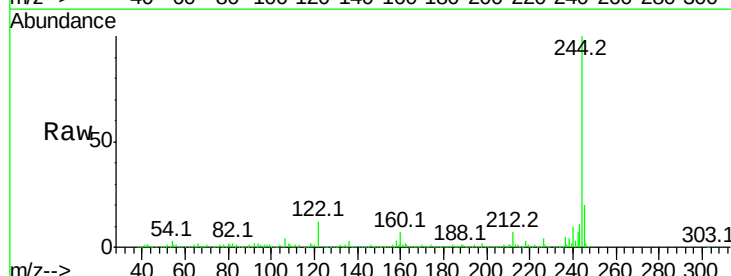
Instrument :
BNA_F
ClientSampleId :

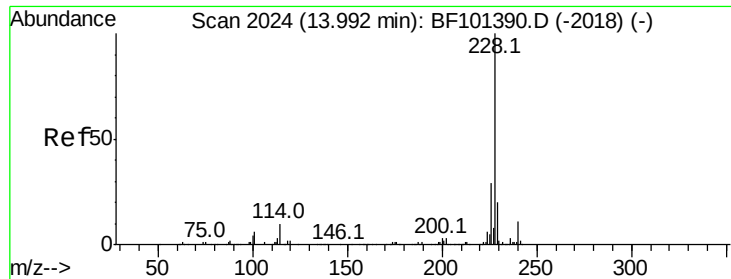
Tot Ion:202 Resp: 541982
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.6 14.3 21.5



#78
Terphenyl-d14
Concen: 44.657 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion:244 Resp: 554401
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 11.9 11.0 16.4

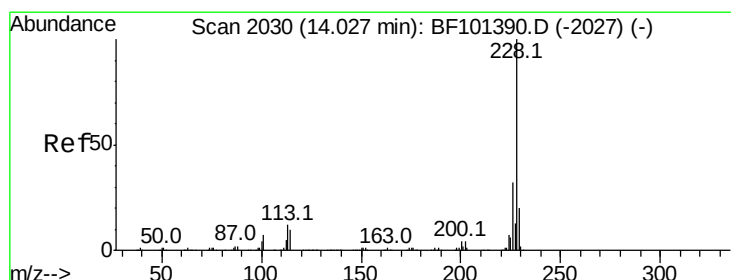
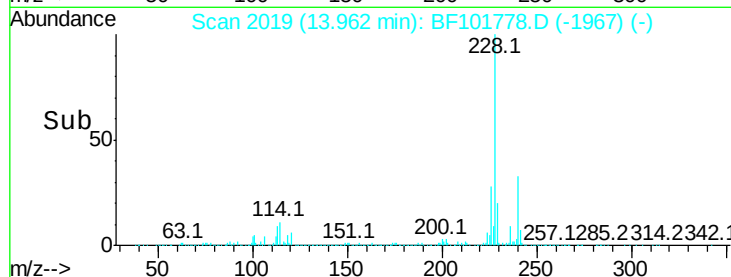
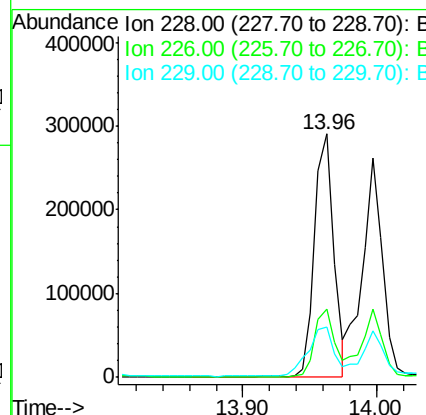
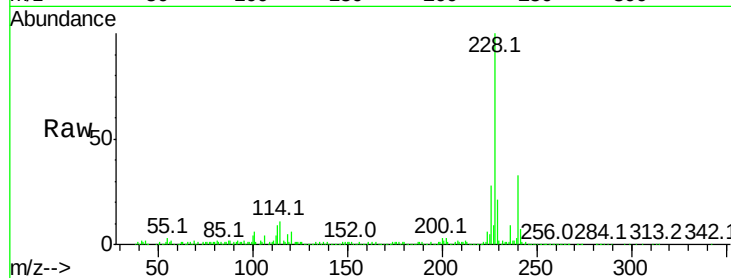




#80
Benzo(a)anthracene
Concen: 14.466 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

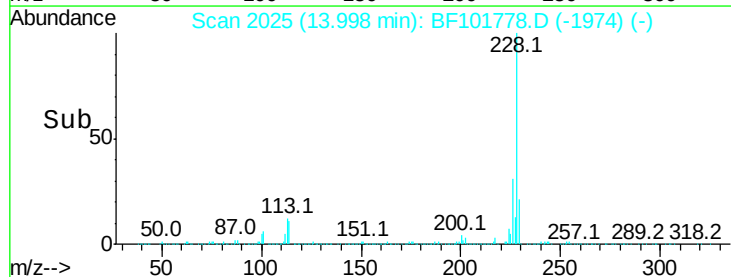
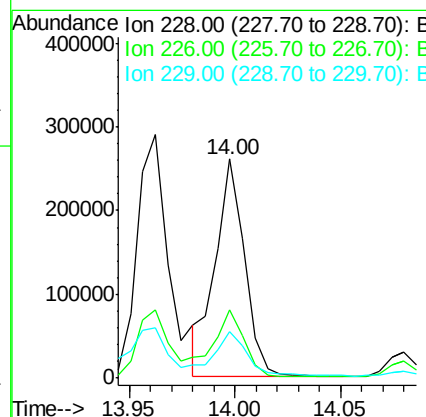
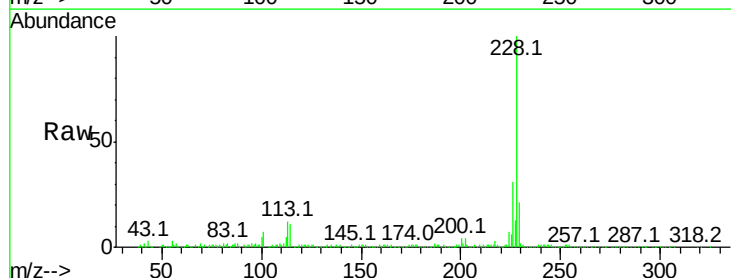
Instrument :
BNA_F
ClientSampleId :

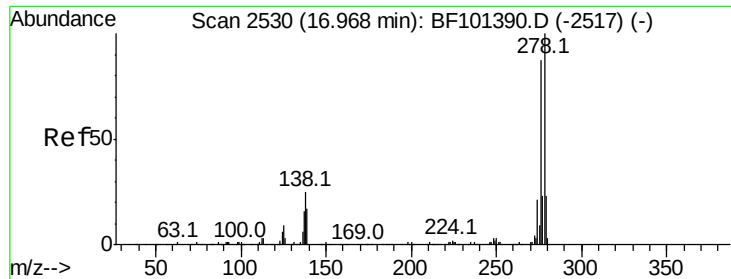
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.8	15.8	23.6



#82
Chrysene
Concen: 13.532 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	21.5	16.2	24.4

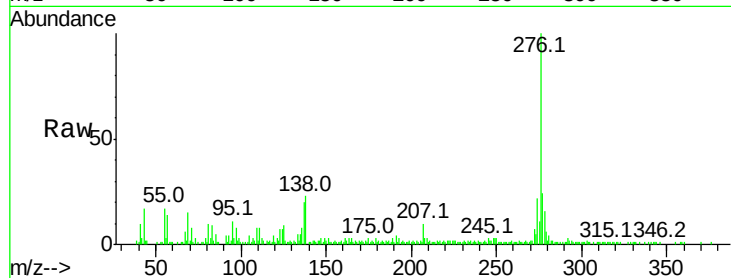




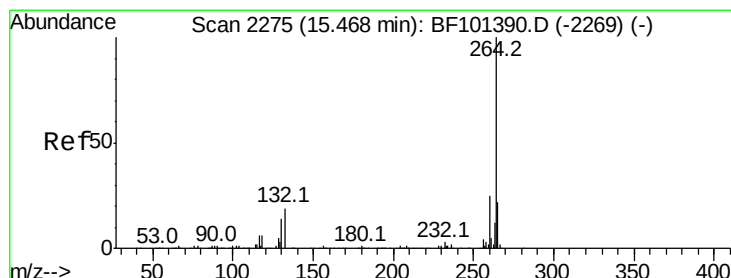
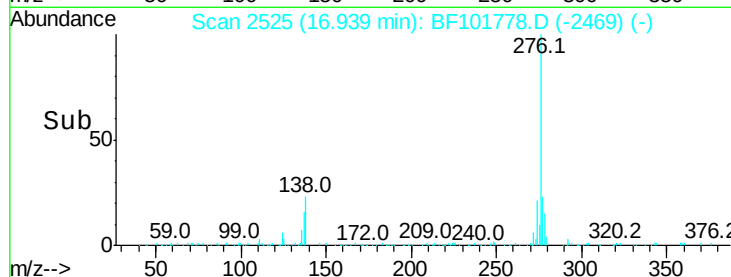
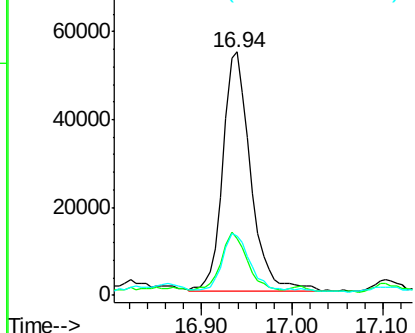
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.900 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. 0.03 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	22.8	20.1	30.1

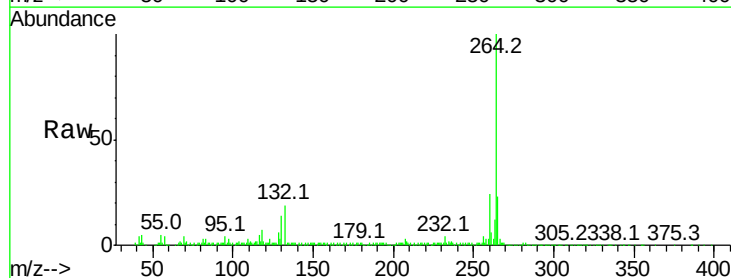


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

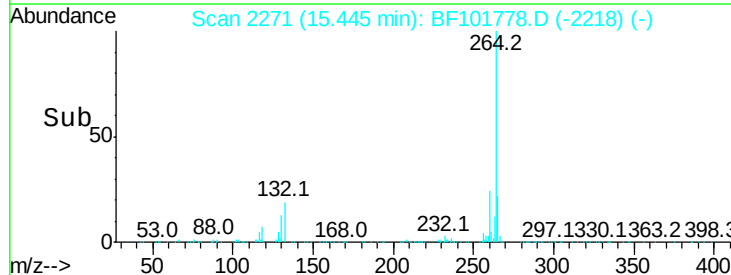
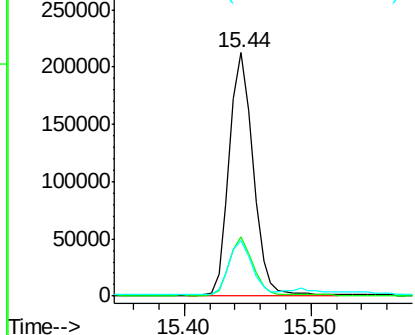


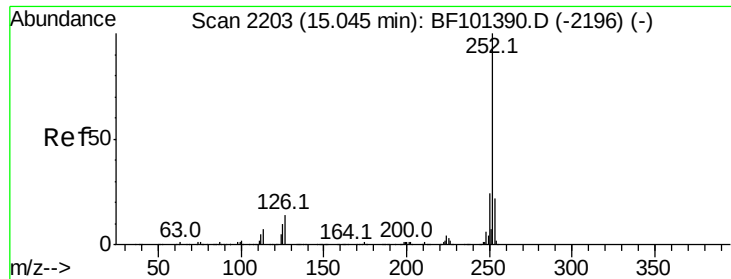
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.6	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

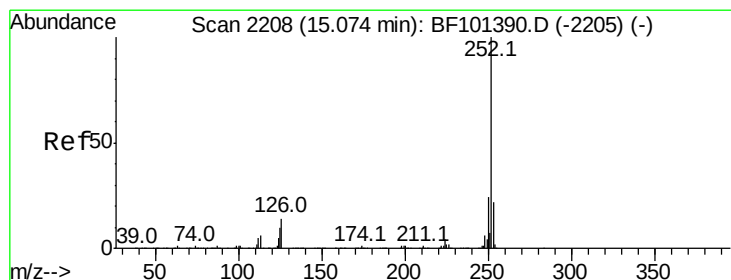
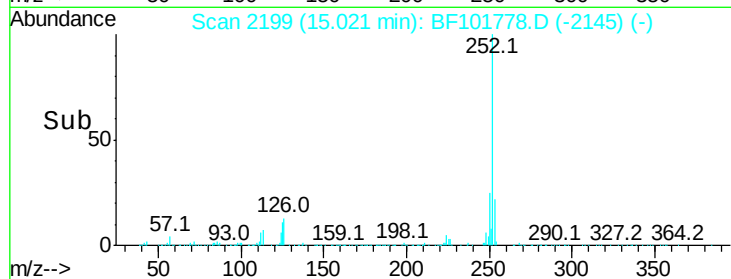
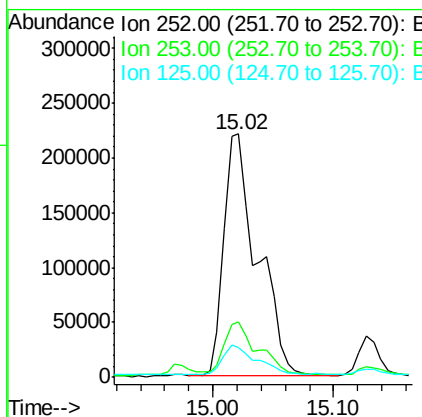
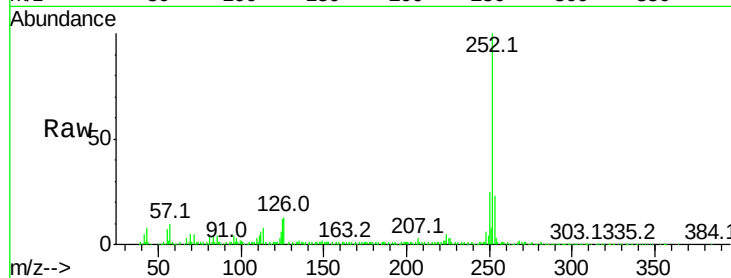




#87
Benzo(b)fluoranthene
Concen: 25.132 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

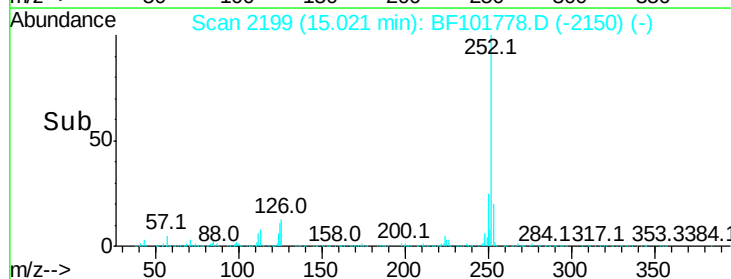
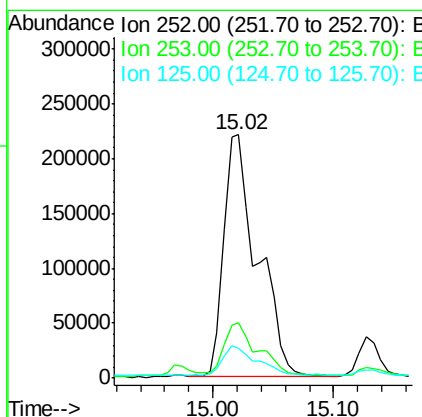
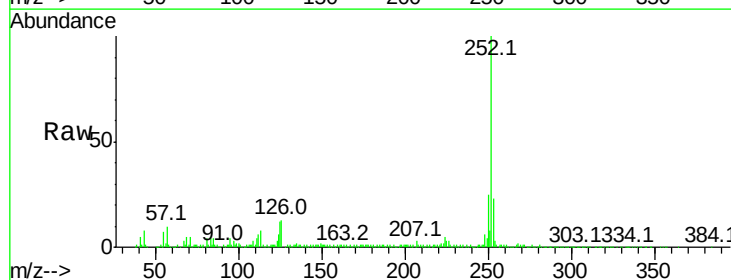
Instrument :
BNA_F
ClientSampleId :

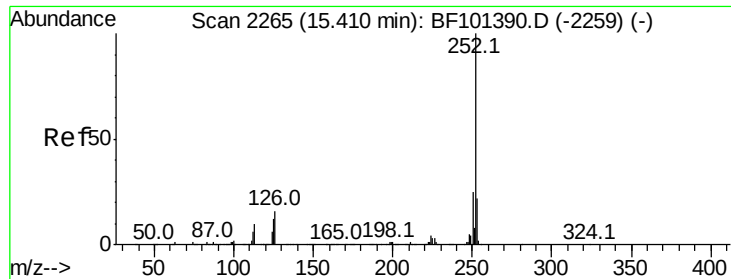
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 25.849 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.2	10.2	15.2

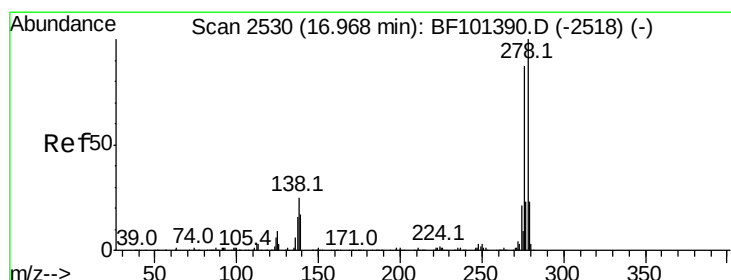
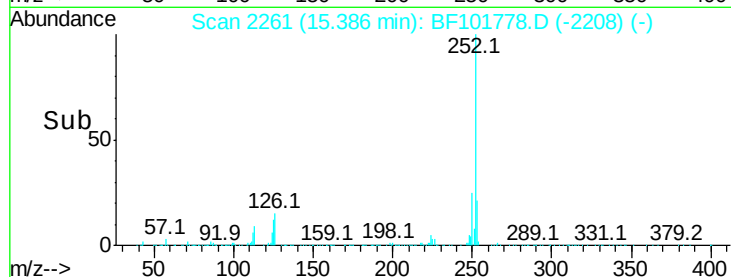
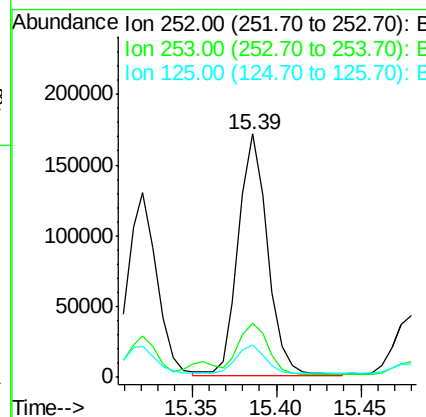
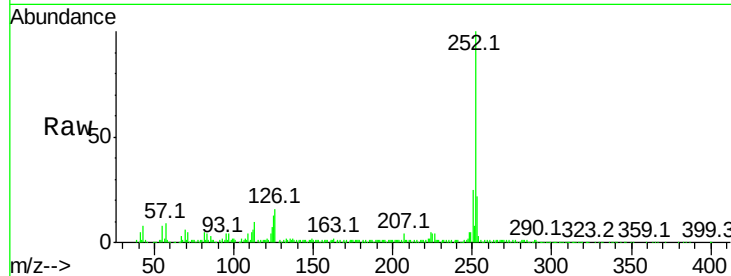




#89
Benzo(a)pyrene
Concen: 13.256 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

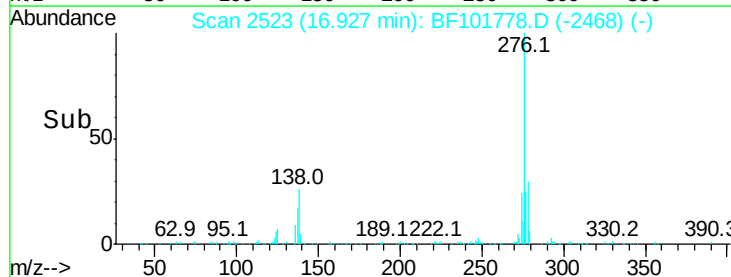
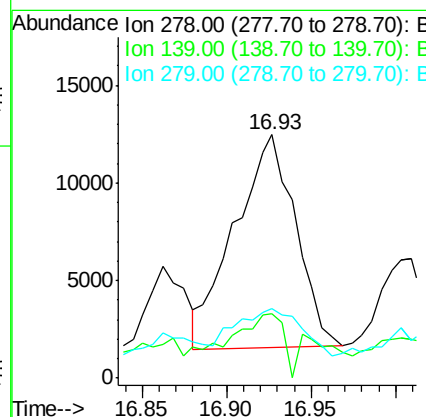
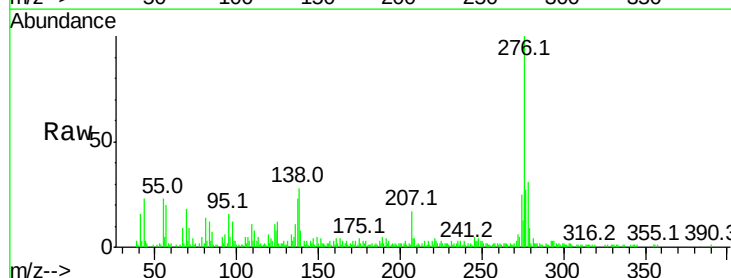
Instrument :
BNA_F
ClientSampleId :

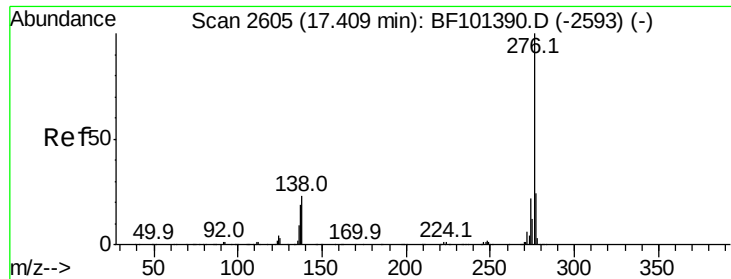
Tot Ion:252 Resp: 207029
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 13.4 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 2.043 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion:278 Resp: 27399
Ion Ratio Lower Upper
278 100
139 26.6 15.9 23.9#
279 28.5 19.0 28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 7.946 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.04 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	26.9	21.8	32.8

