

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101811.D
 Acq On : 28 Dec 2017 19:12
 Operator : SJ/JU
 Sample : I6970-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 04:36:01 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	6.78	152	156536	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	606666	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	237845	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	363324	20.00	ng	0.00
75) Chrysene-d12	13.96	240	304669	20.00	ng	0.00
86) Perylene-d12	15.43	264	291405	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1014581	96.55	ng	0.00
7) Phenol-d6	6.43	99	1204999	92.14	ng	0.00
23) Nitrobenzene-d5	7.36	82	744774	68.34	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	199631	87.11	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1036036	67.57	ng	0.00
78) Terphenyl-d14	12.89	244	705790	55.85	ng	0.00

Target Compounds

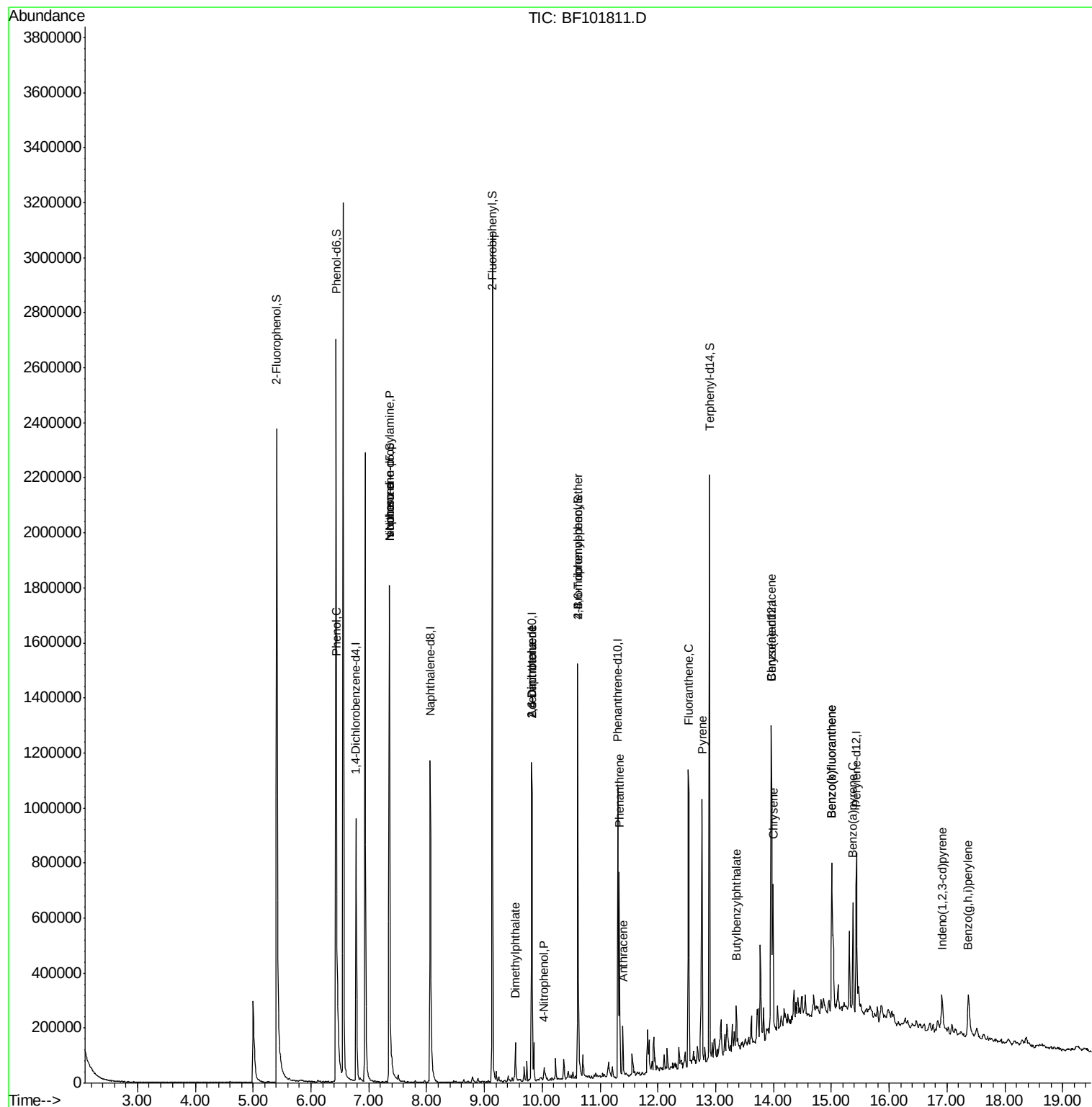
						Qvalue
10) Phenol	6.45	94	51894	3.481	ng	# 70
19) n-Nitroso-di-n-propylamine	7.36	70	99064	11.534	ng	# 79
25) Isophorone	7.36	82	744774	34.066	ng	# 64
49) Dimethylphthalate	9.54	163	67835	3.546	ng	99
50) 2,6-Dinitrotoluene	9.82	165	31175	8.018	ng	# 26
55) 4-Nitrophenol	10.03	139	7889	3.732	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	31175	7.116	ng	# 23
66) 4-Bromophenyl-phenylether	10.62	248	12473	3.055	ng	# 1
70) Phenanthrene	11.33	178	290440	14.375	ng	99
71) Anthracene	11.39	178	73872	3.579	ng	98
74) Fluoranthene	12.53	202	453050	21.362	ng	100
77) Pyrene	12.76	202	405565	17.737	ng	99
79) Butylbenzylphthalate	13.36	149	31456	3.040	ng	97
80) Benzo(a)anthracene	13.96	228	236530	11.757	ng	98
82) Chrysene	13.99	228	226109	11.904	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	97186	5.746	ng	92
87) Benzo(b)fluoranthene	15.01	252	390739	21.999	ng	98
88) Benzo(k)fluoranthene	15.01	252	390739	22.626	ng	100
89) Benzo(a)pyrene	15.37	252	181361	11.076	ng	96
91) Benzo(a,h,i)perylene	17.37	276	86344	6.203	ng	98

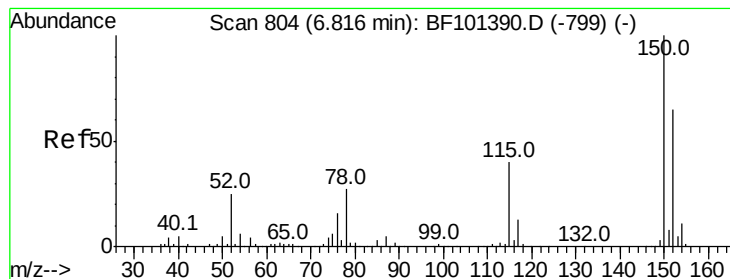
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101811.D
Acq On : 28 Dec 2017 19:12
Operator : SJ/JU
Sample : I6970-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 29 04:36:01 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



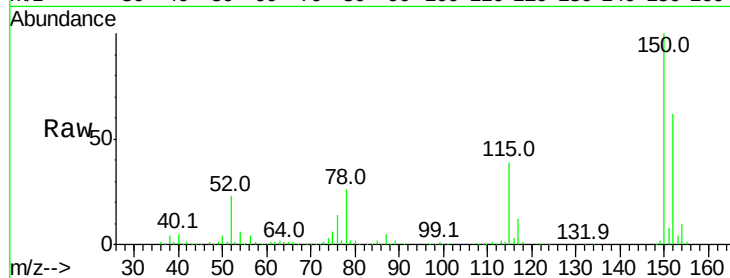


#1

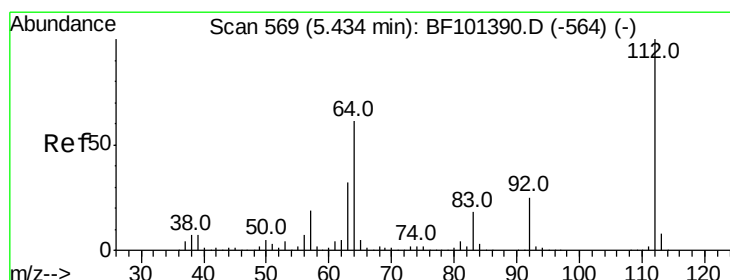
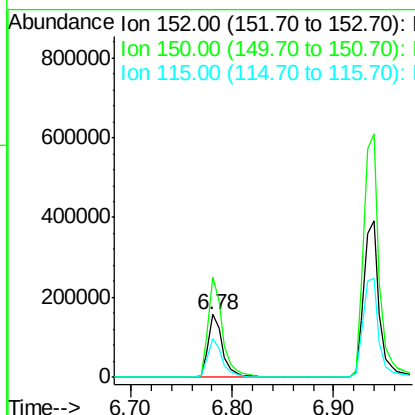
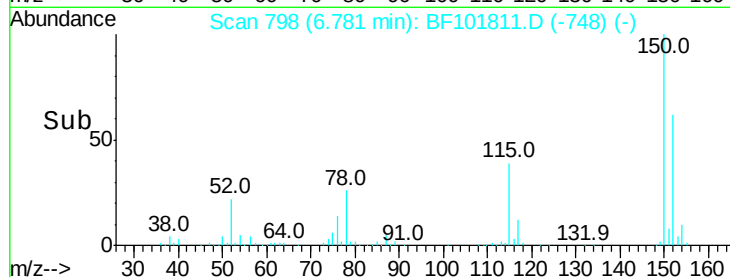
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156536
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 61.9 50.1 75.1



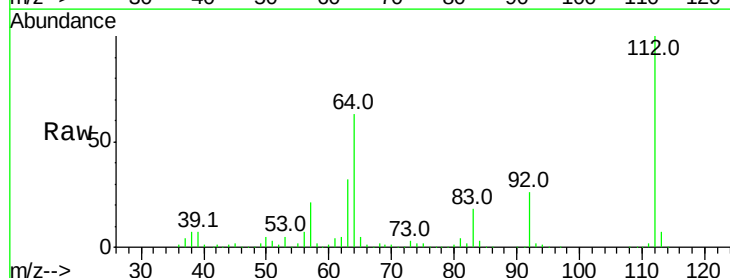
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



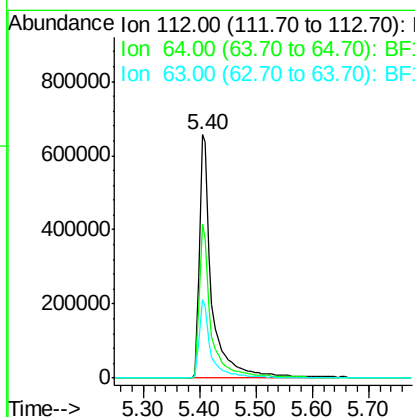
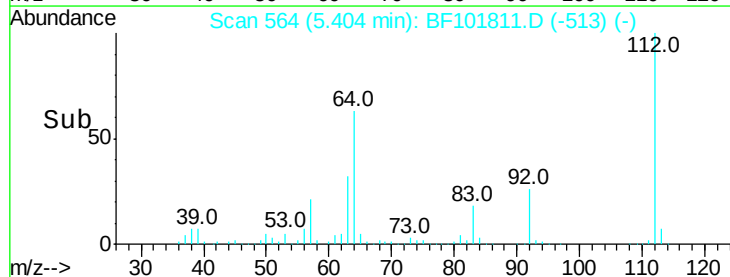
#5

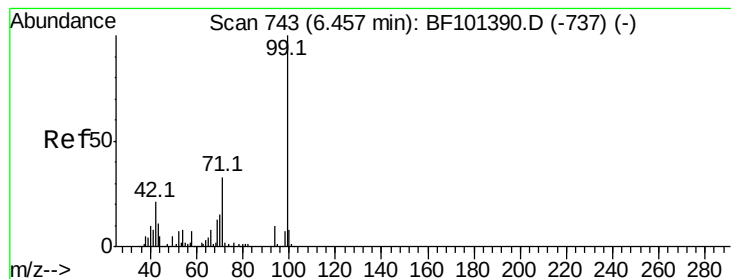
2-Fluorophenol
Concen: 96.546 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion:112 Resp: 1014581
Ion Ratio Lower Upper
112 100
64 63.4 47.9 71.9
63 32.5 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: 92.136 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Instrument :

BNA_F

ClientSampleId :

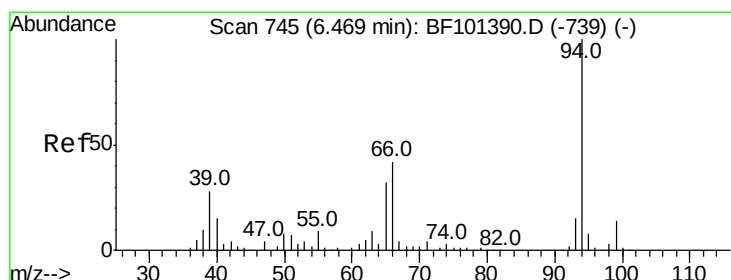
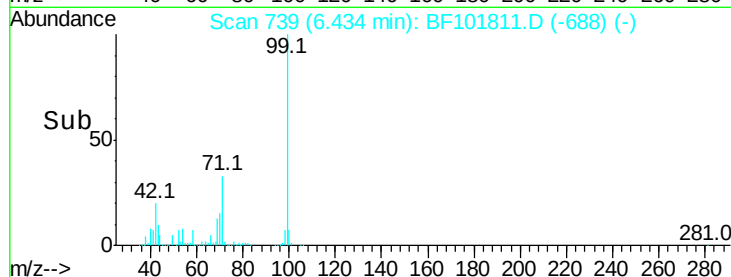
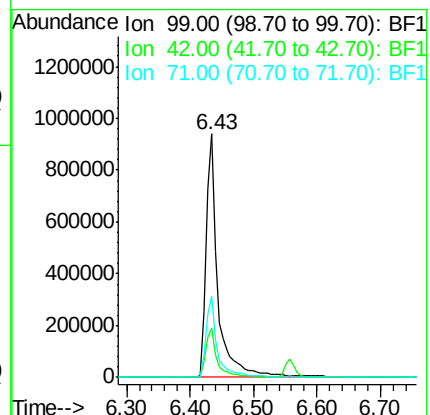
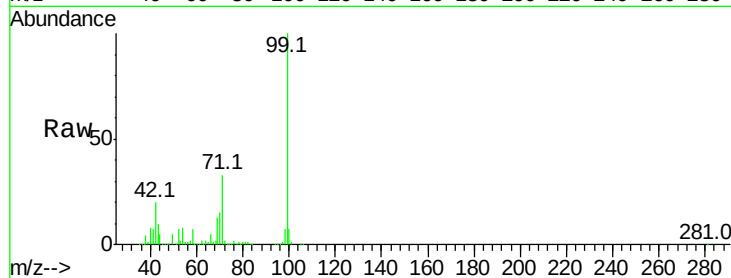
Tot Ion: 99 Resp: 1204999

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 33.1 25.4 38.0



#10

Phenol

Concen: 3.481 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

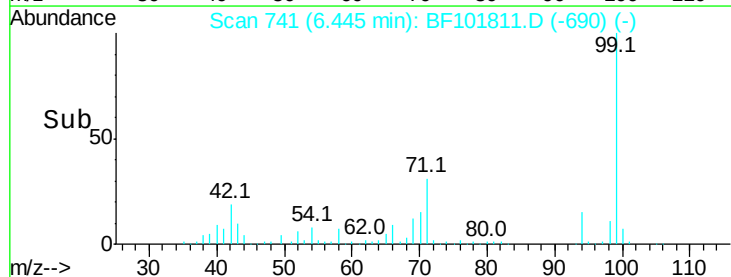
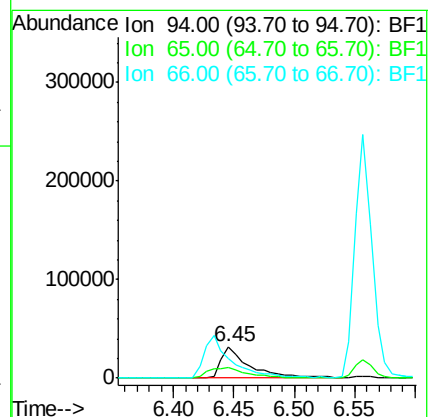
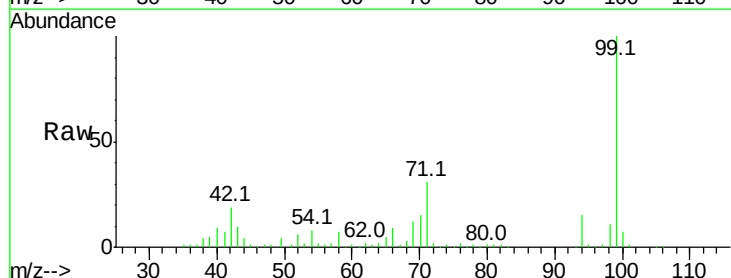
Tgt Ion: 94 Resp: 51894

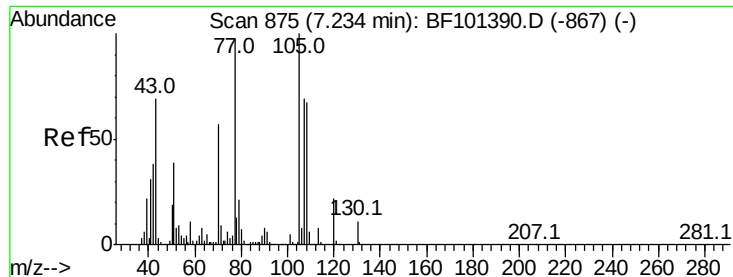
Ion Ratio Lower Upper

94 100

65 33.8 7.9 47.9

66 62.1 16.2 56.2#

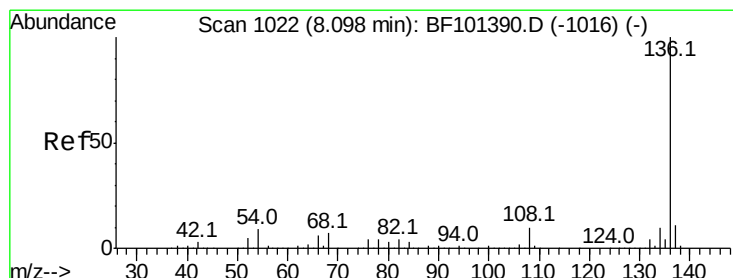
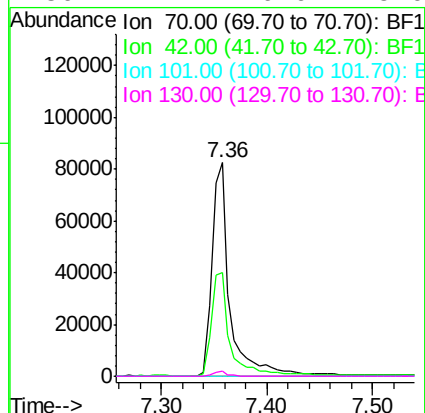
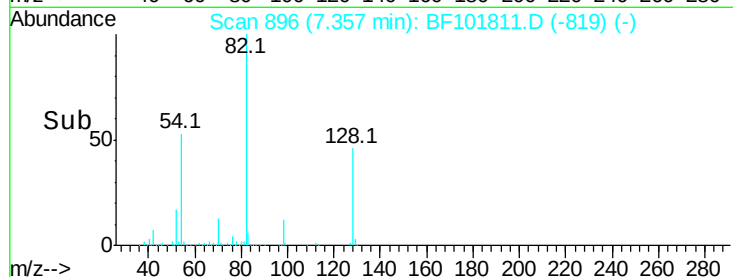
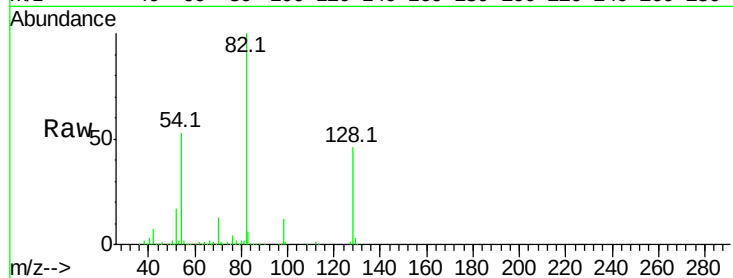




#19
n-Nitroso-di-n-propylamine
Concen: 11.534 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

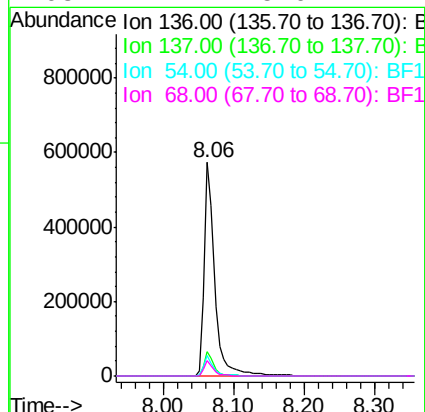
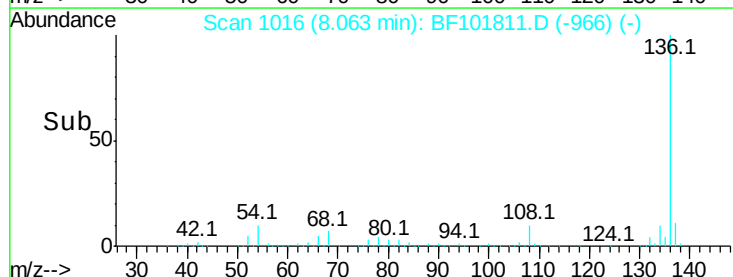
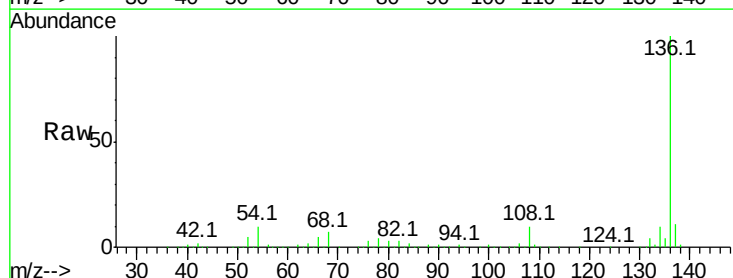
Instrument :
BNA_F
ClientSampleId :

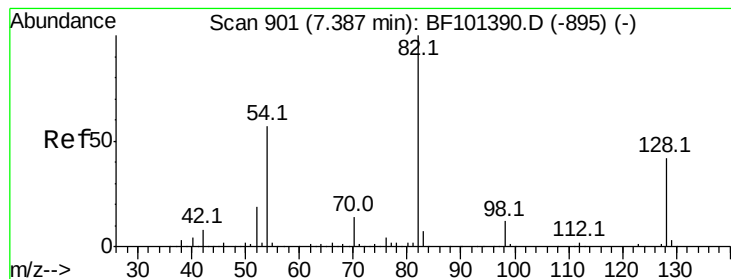
Tot Ion: 70 Resp: 99064
Ion Ratio Lower Upper
70 100
42 48.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion: 136 Resp: 606666
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 9.6 6.6 9.8
68 7.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 68.338 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Instrument :

BNA_F

ClientSampled :

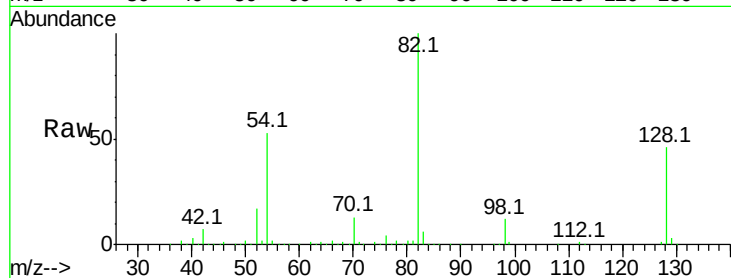
Tot Ion: 82 Resp: 744774

Ion Ratio Lower Upper

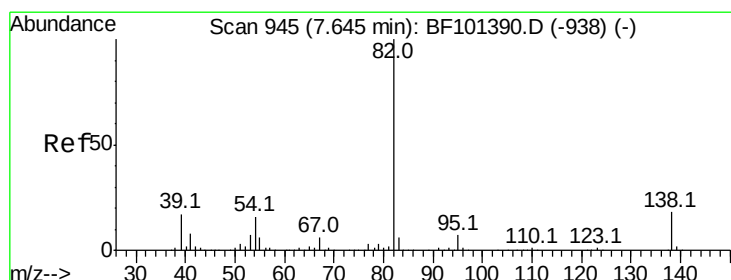
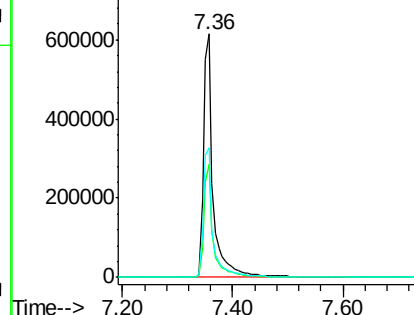
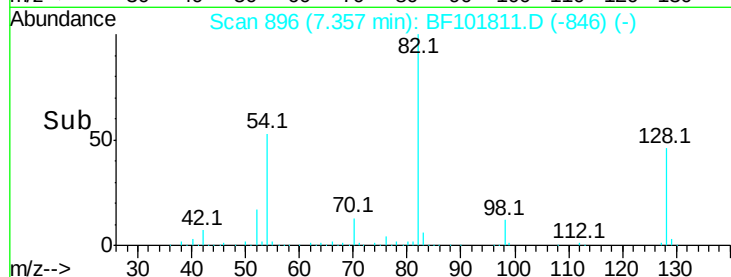
82 100

128 46.3 36.1 54.1

54 53.3 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: 34.066 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

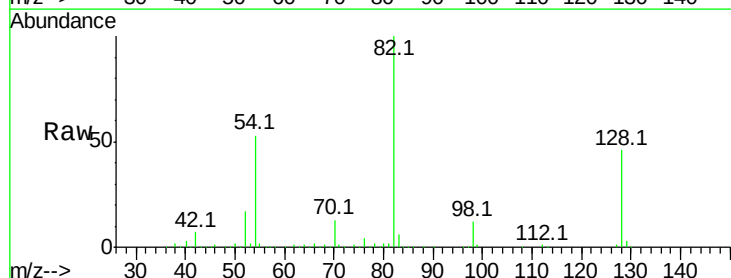
Tgt Ion: 82 Resp: 744774

Ion Ratio Lower Upper

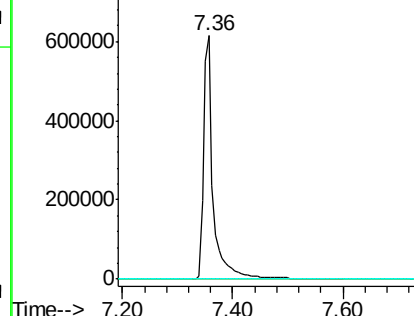
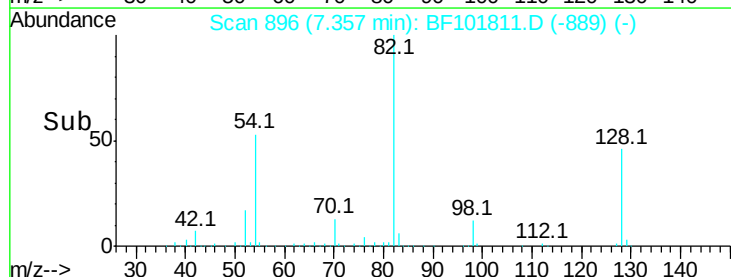
82 100

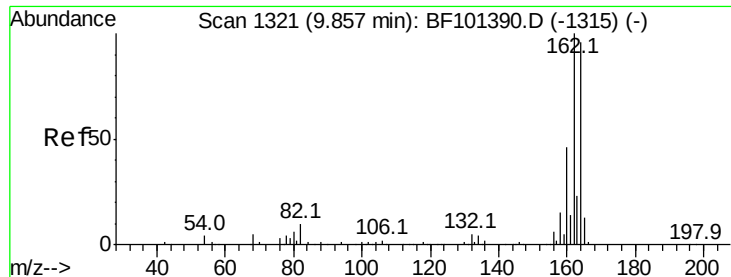
95 0.0 5.2 7.8#

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: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Instrument :

BNA_F

ClientSampleId :

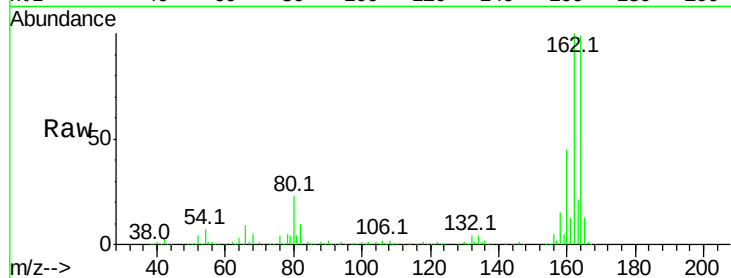
Tot Ion:164 Resp: 237845

Ion Ratio Lower Upper

164 100

162 100.8 86.1 129.1

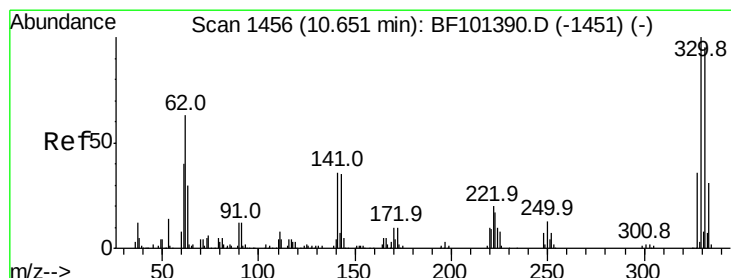
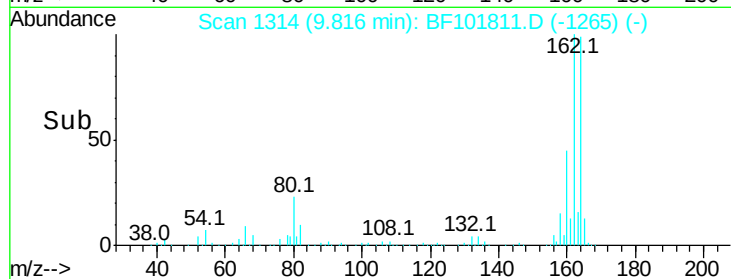
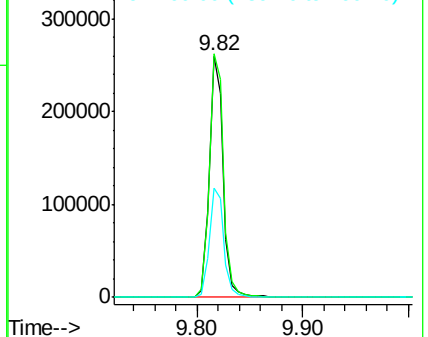
160 45.3 38.3 57.5



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: 87.106 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

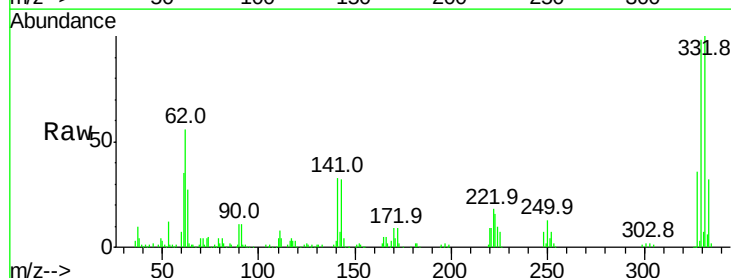
Tgt Ion:330 Resp: 199631

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

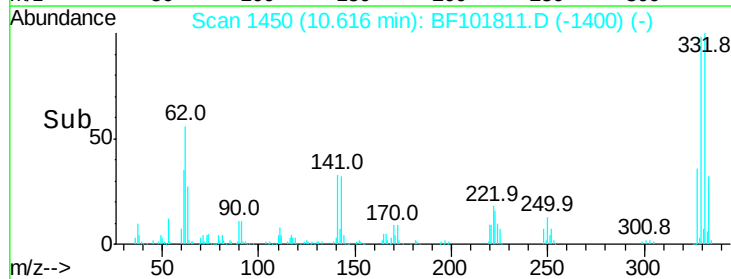
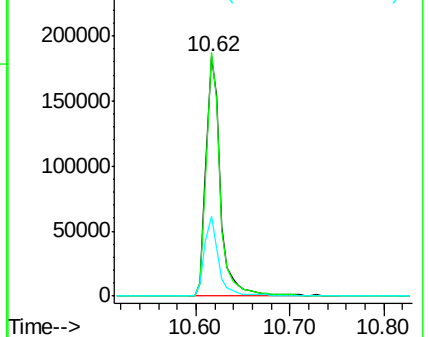
141 32.7 29.9 44.9

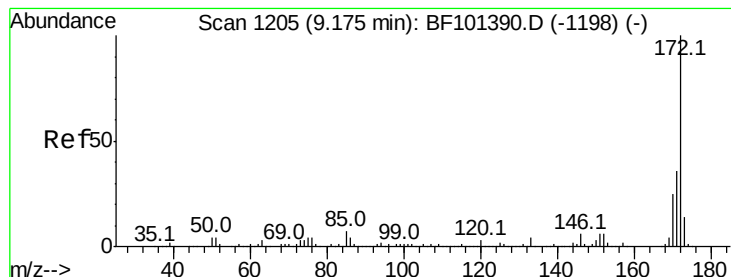


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 67.571 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Instrument :

BNA_F

ClientSampled :

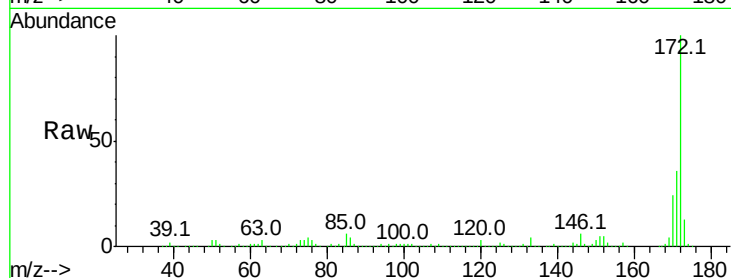
Tot Ion:172 Resp: 1036036

Ion Ratio Lower Upper

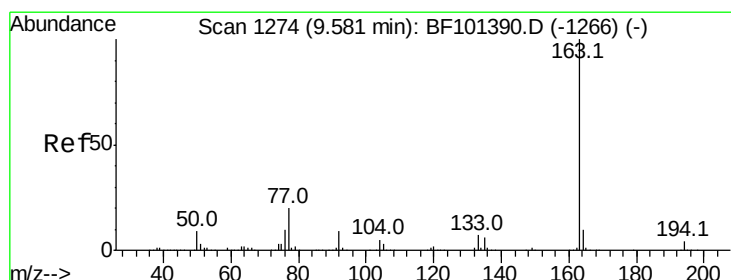
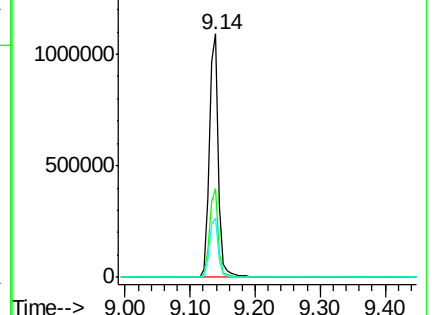
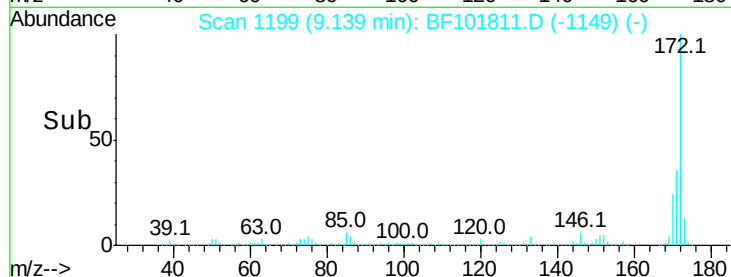
172 100

171 36.3 29.7 44.5

170 24.3 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: 3.546 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

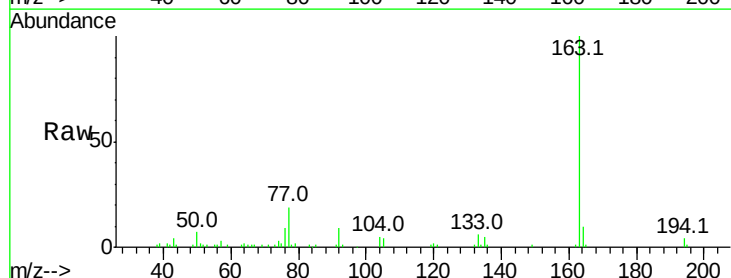
Tgt Ion:163 Resp: 67835

Ion Ratio Lower Upper

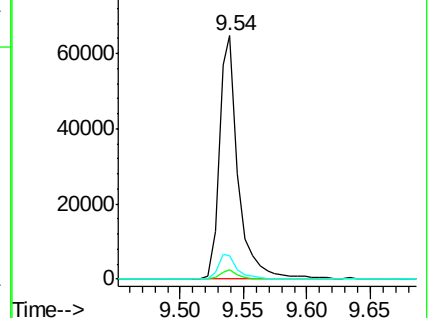
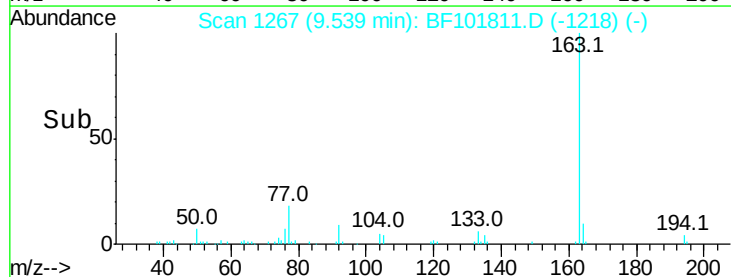
163 100

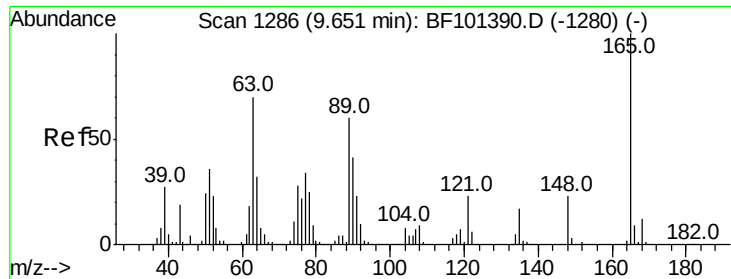
194 3.8 2.7 4.1

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

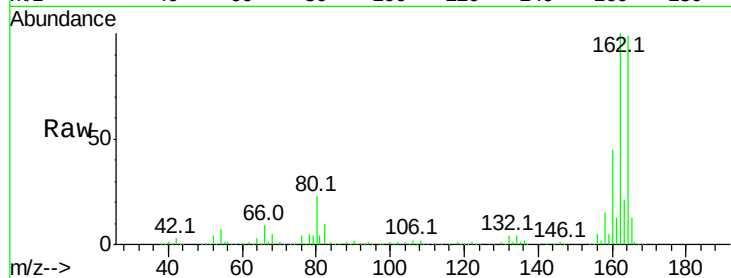




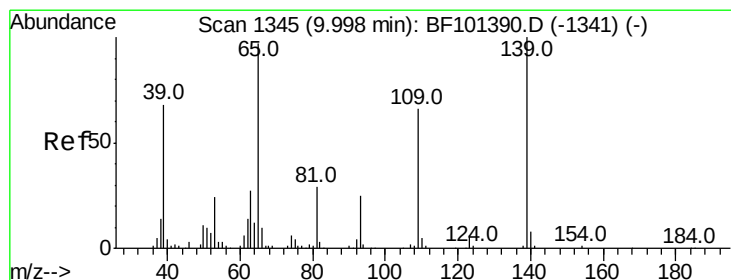
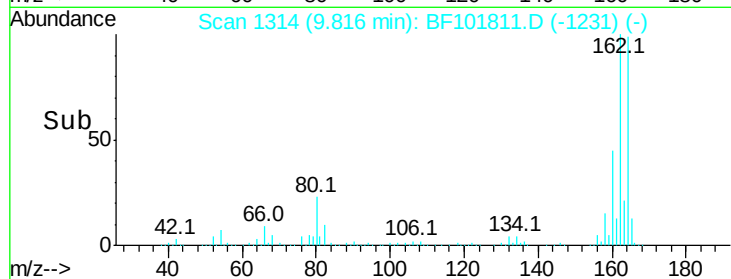
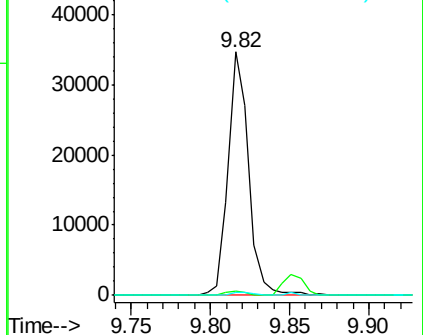
#50
 2,6-Dinitrotoluene
 Concen: 8.018 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.19 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.4	44.0	66.0#

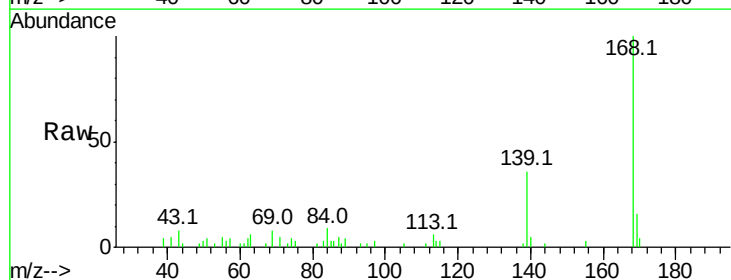


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

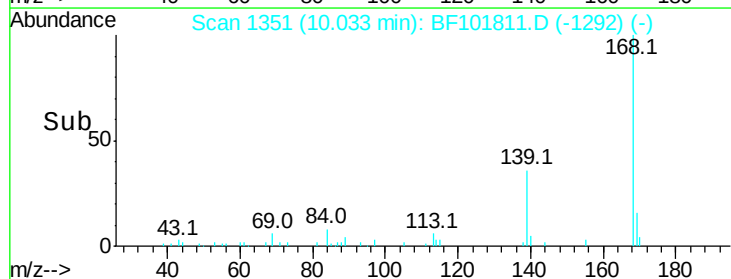
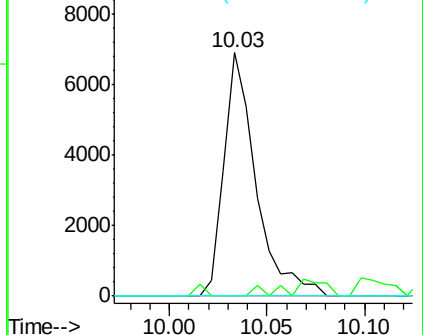


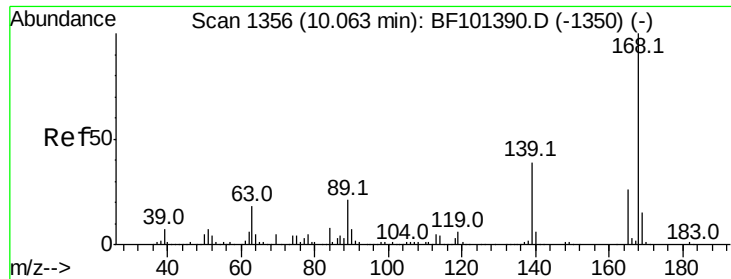
#55
 4-Nitrophenol
 Concen: 3.732 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.05 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	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

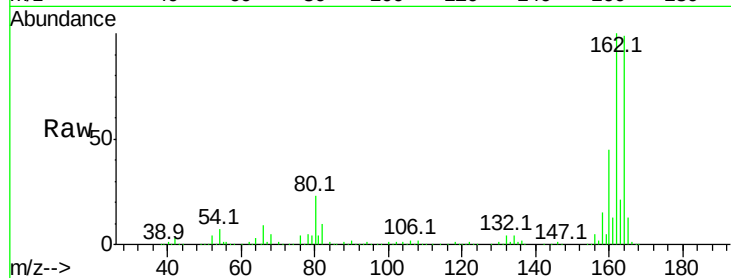




#56
 2,4-Dinitrotoluene
 Concen: 7.116 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.22 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

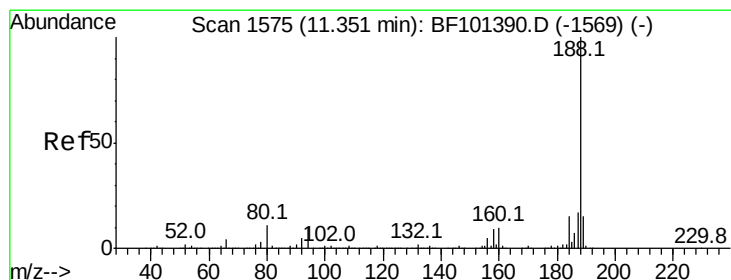
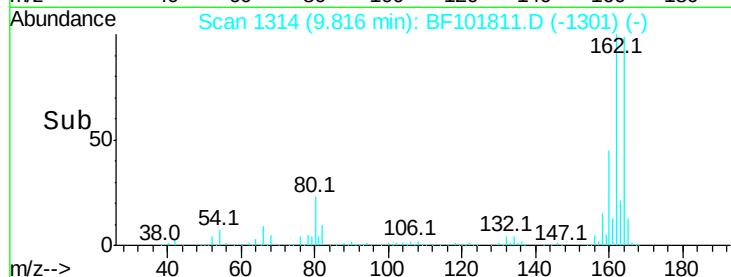
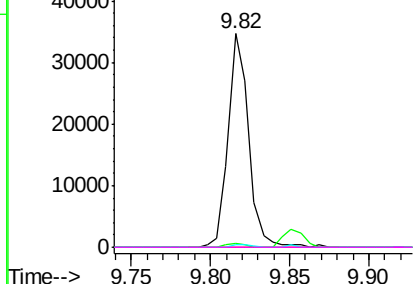


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

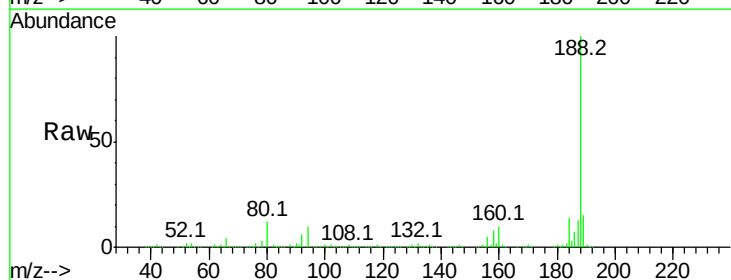
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

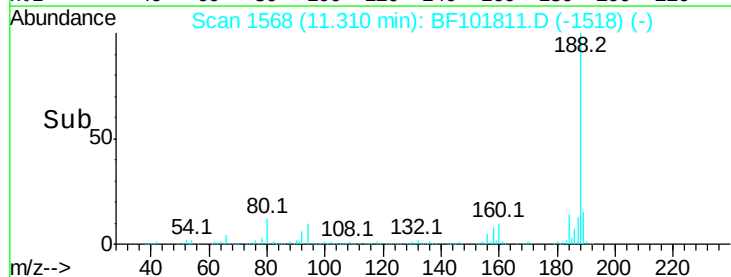
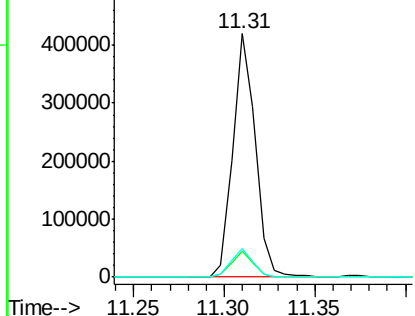
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.8	9.2	13.8

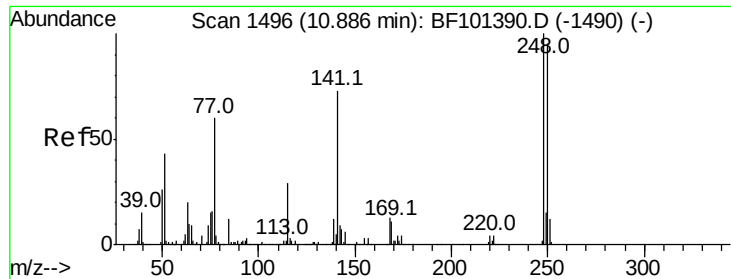


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

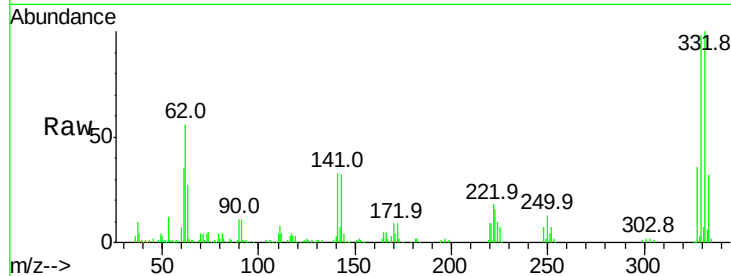




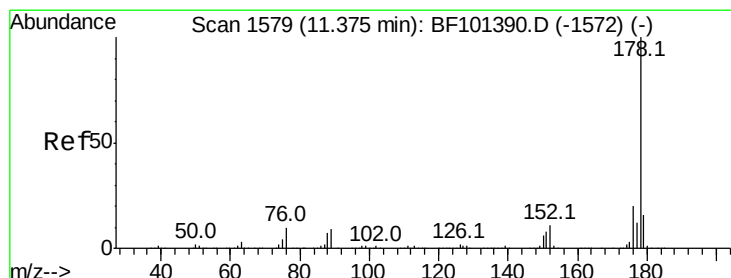
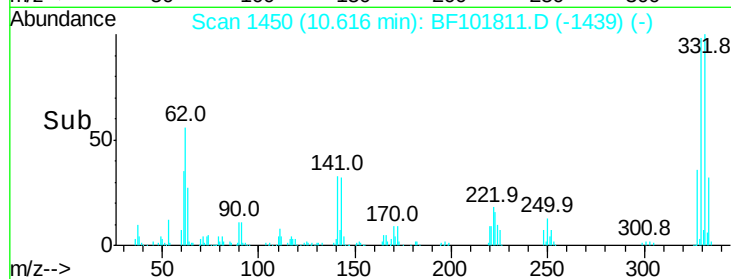
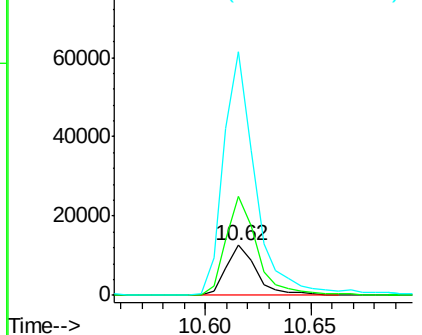
#66
 4-Bromophenyl-phenylether
 Concen: 3.055 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.24 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.1	76.9	115.3
141	489.4	74.4	111.6

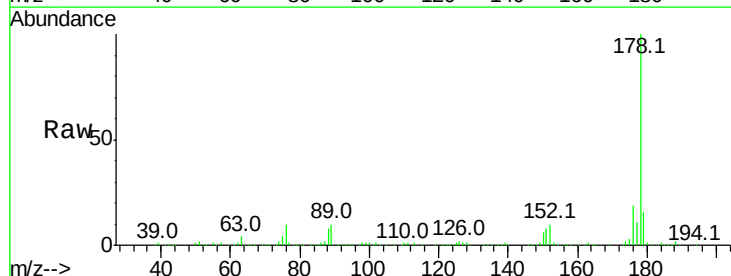


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

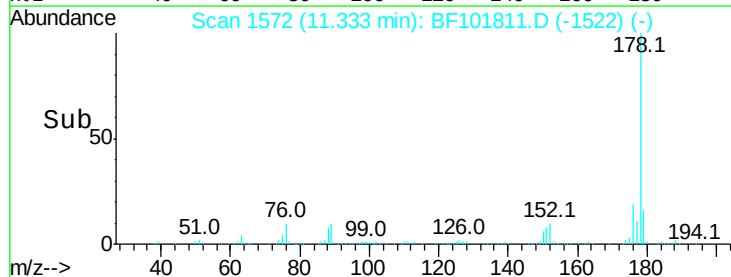
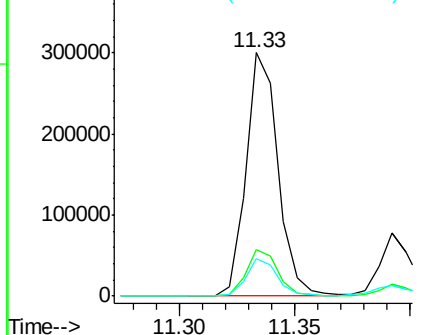


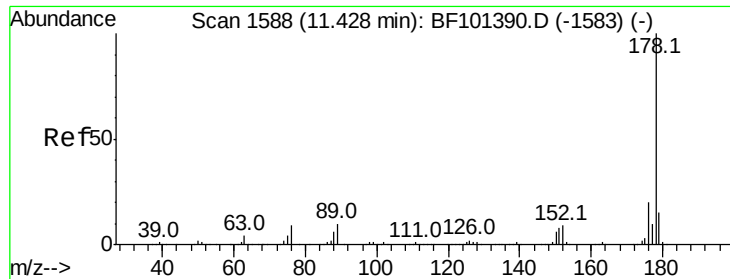
#70
 Phenanthrene
 Concen: 14.375 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.6	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

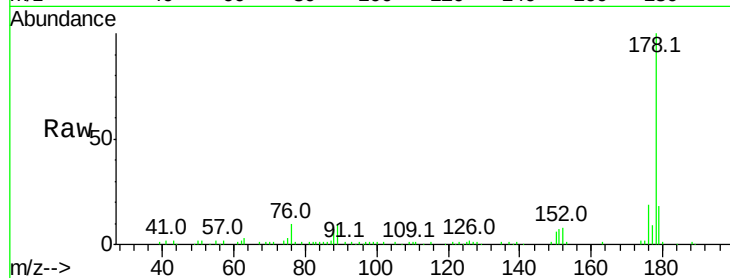




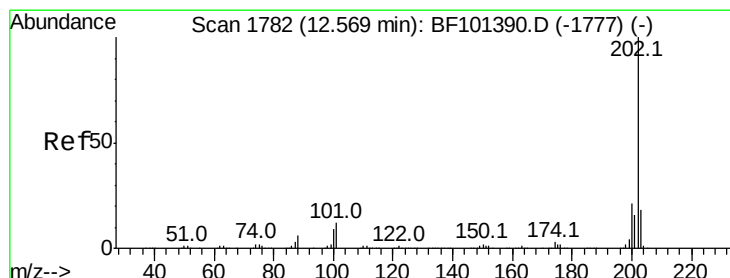
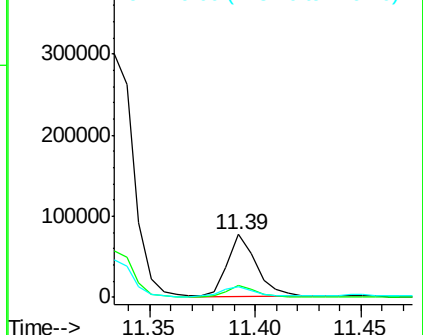
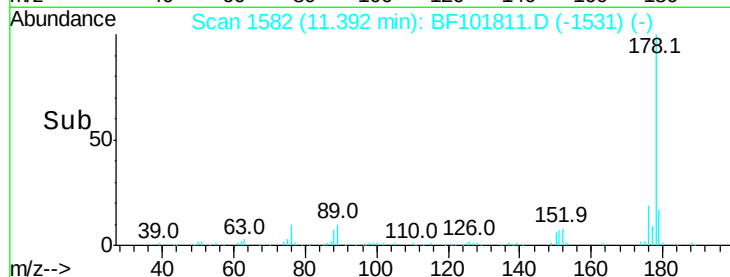
#71
 Anthracene
 Concen: 3.579 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 73872
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 17.7 12.6 19.0

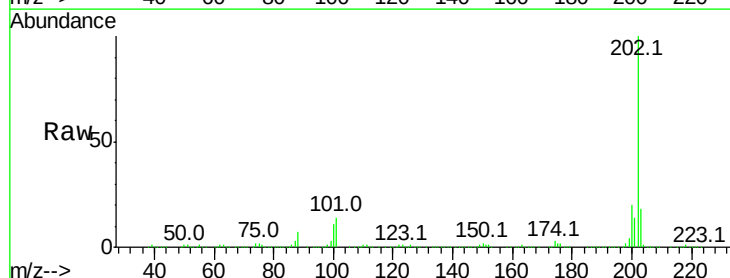


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

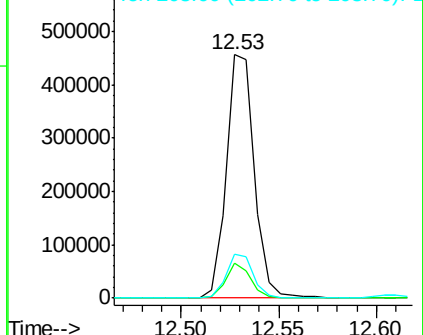
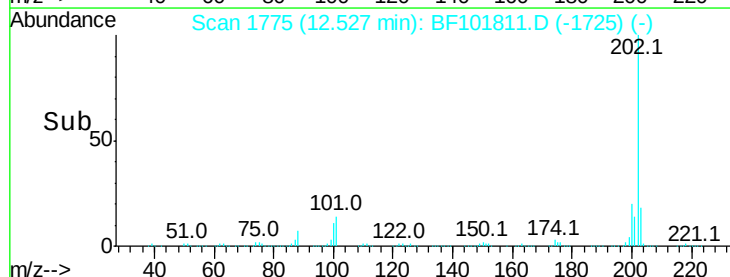


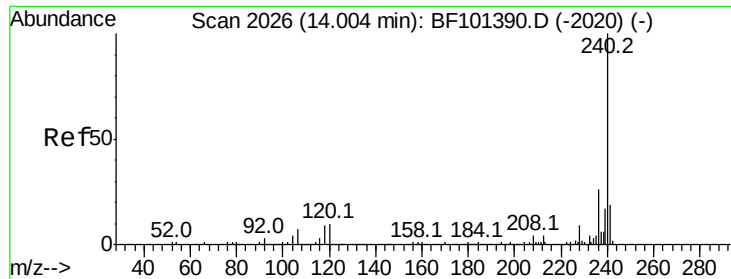
#74
 Fluoranthene
 Concen: 21.362 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Tgt Ion:202 Resp: 453050
 Ion Ratio Lower Upper
 202 100
 101 14.2 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: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Instrument :

BNA_F

ClientSampleId :

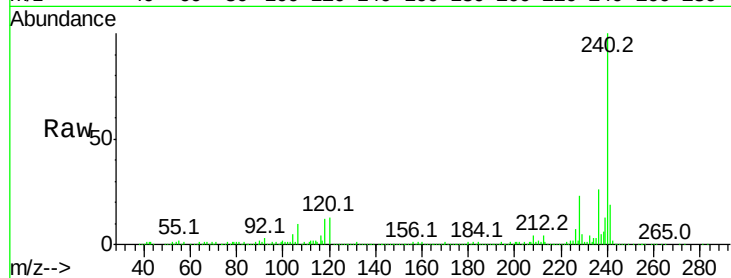
Tot Ion:240 Resp: 304669

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

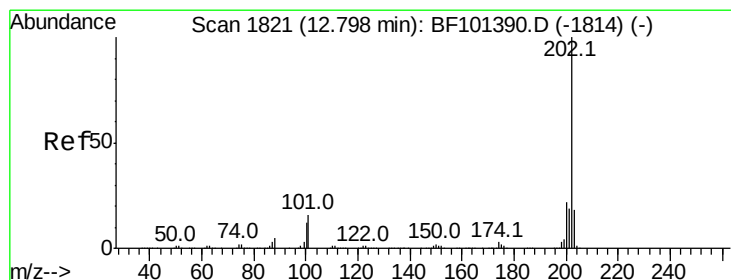
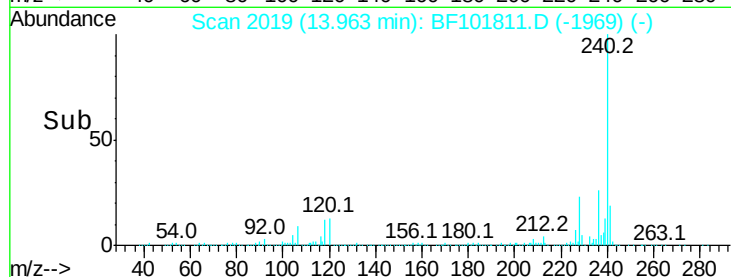
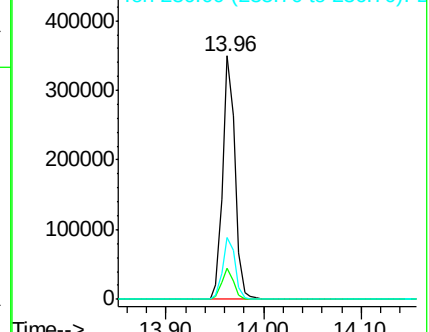
236 25.6 20.7 31.1



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: 17.737 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

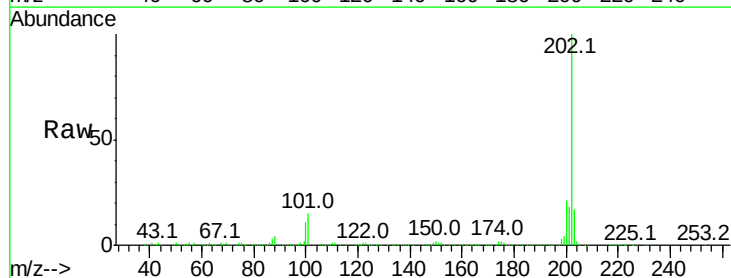
Tgt Ion:202 Resp: 405565

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

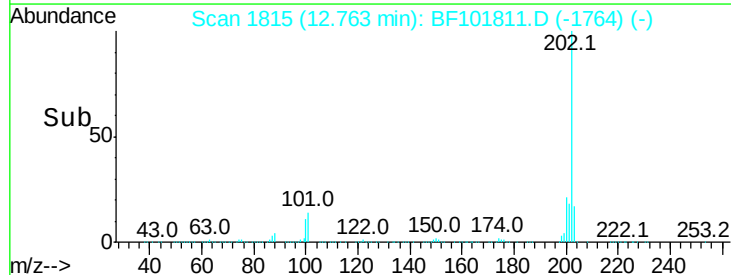
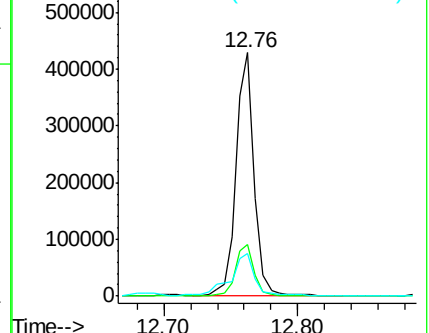
203 17.3 14.3 21.5

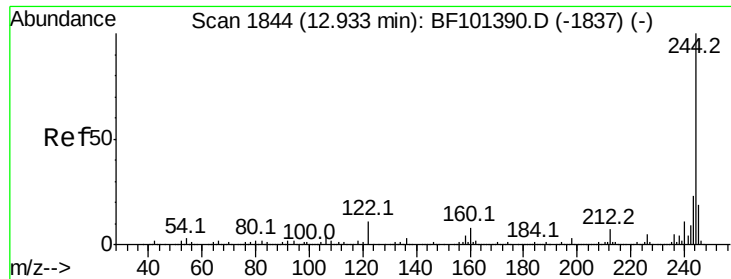


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

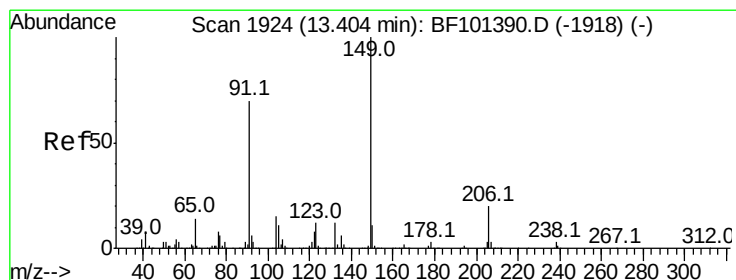
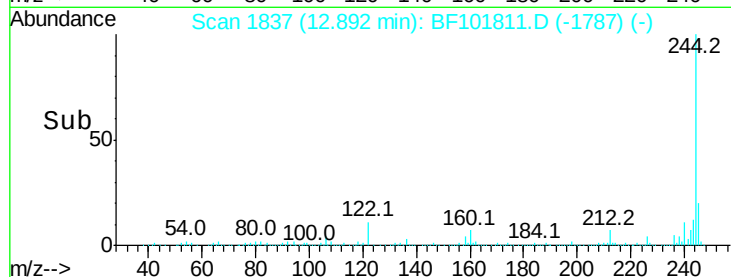
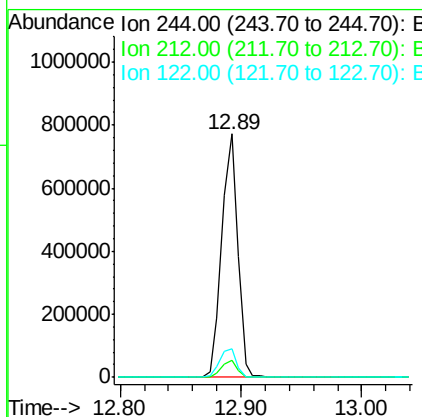
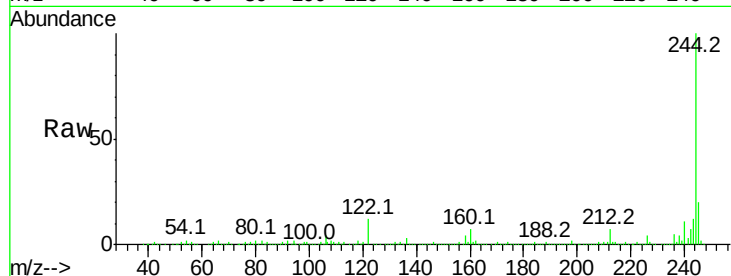




#78
 Terphenyl-d14
 Concen: 55.847 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

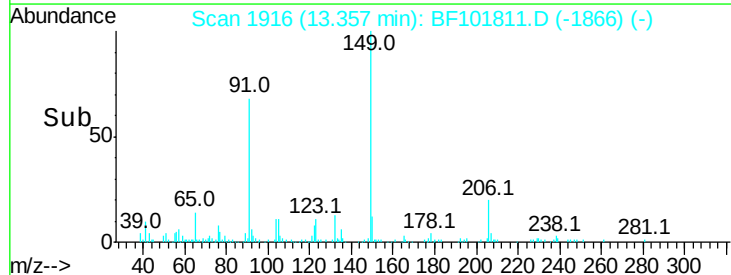
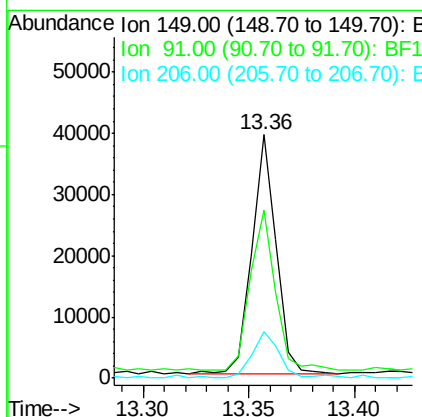
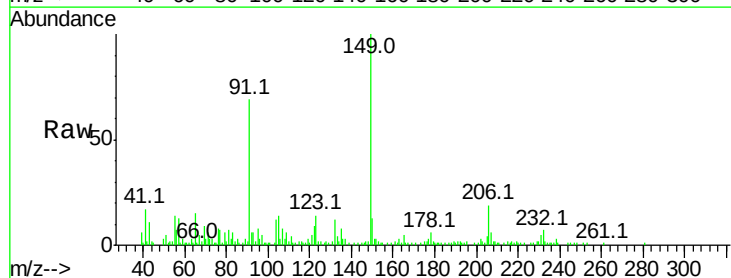
Instrument :
 BNA_F
 ClientSampled :

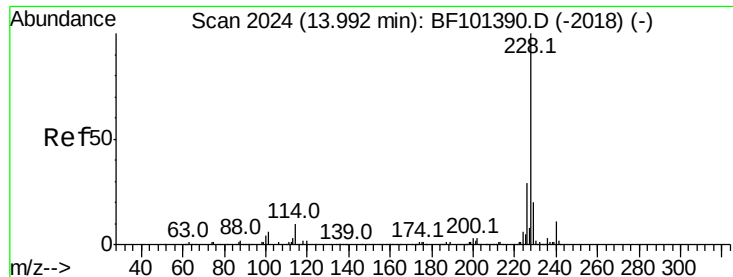
Tot Ion:244 Resp: 705790
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 11.5 11.0 16.4



#79
 Butylbenzylphthalate
 Concen: 3.040 ng
 RT: 13.36 min Scan# 1916
 Delta R.T. -0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Tgt Ion:149 Resp: 31456
 Ion Ratio Lower Upper
 149 100
 91 69.0 56.8 85.2
 206 19.2 14.1 21.1

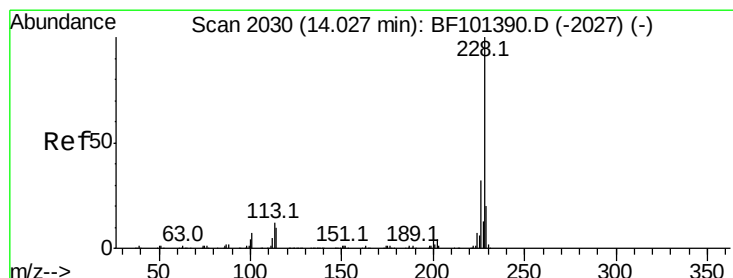
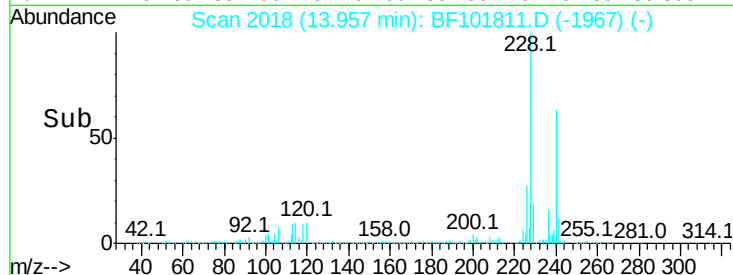
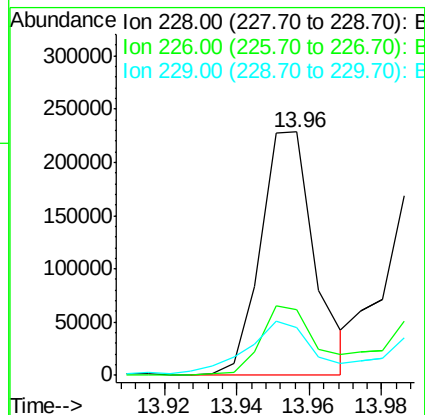
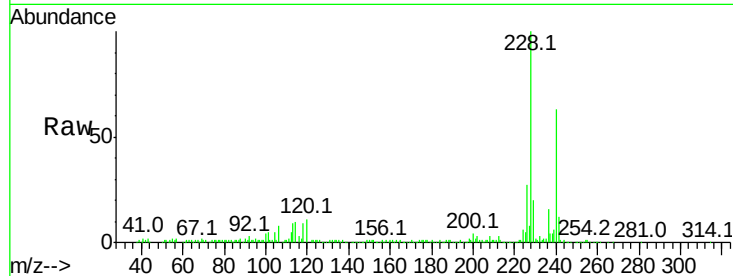




#80
Benzo(a)anthracene
Concen: 11.757 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

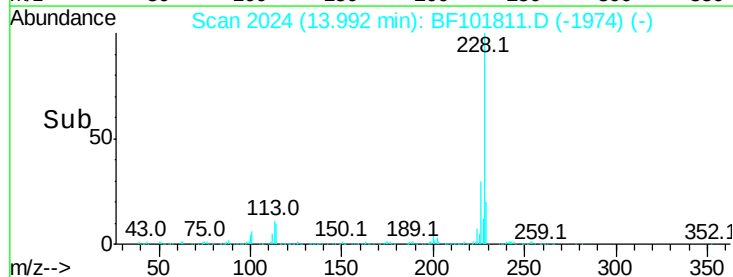
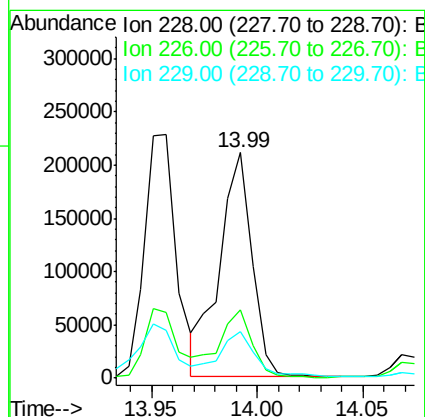
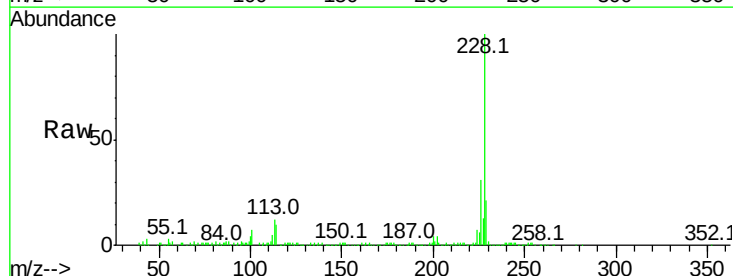
Instrument :
BNA_F
ClientSampleId :

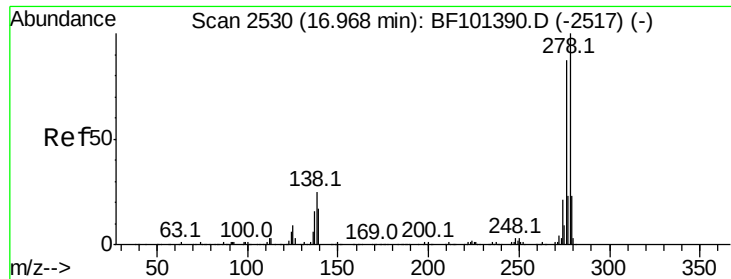
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	19.9	15.8	23.6



#82
Chrysene
Concen: 11.904 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	20.6	16.2	24.4

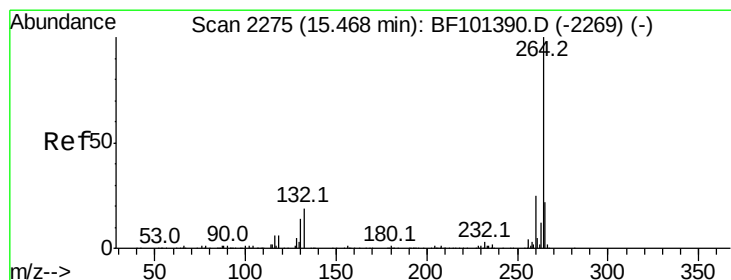
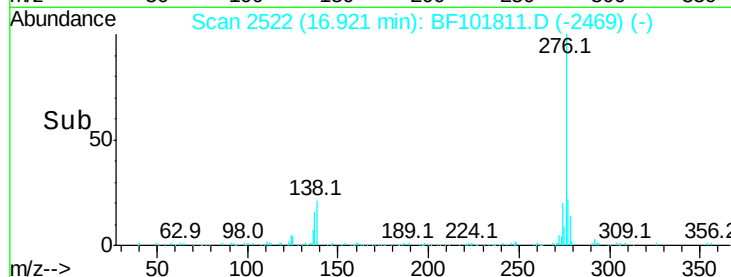
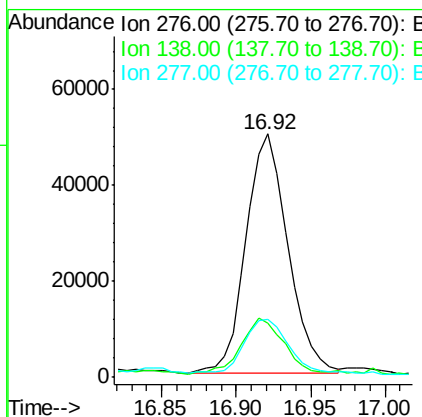
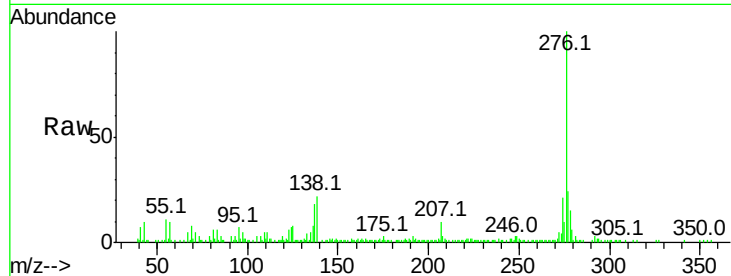




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.746 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. 0.01 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

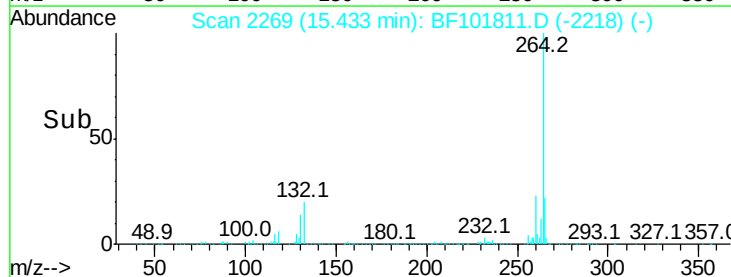
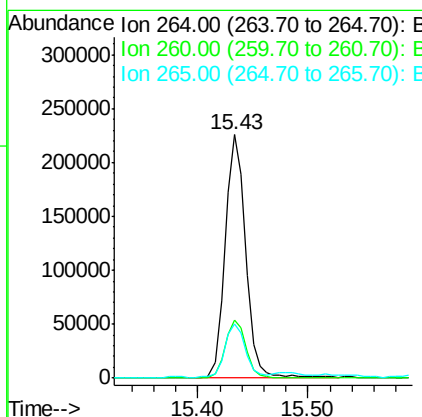
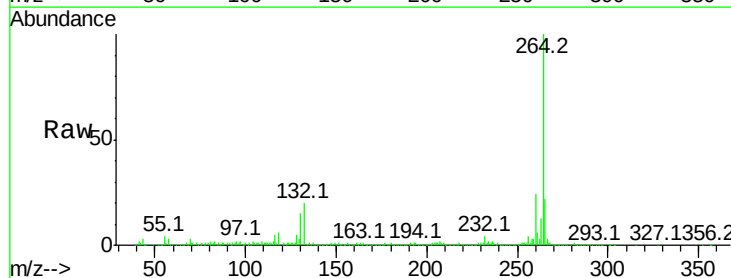
Instrument :
 BNA_F
 ClientSampleId :

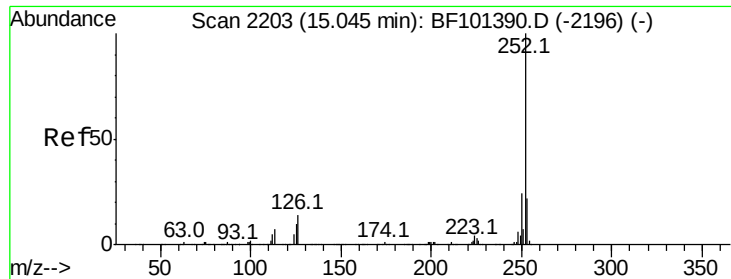
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	25.0	37.6
277	23.1	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: BF101811.D
 Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.0	17.5	26.3

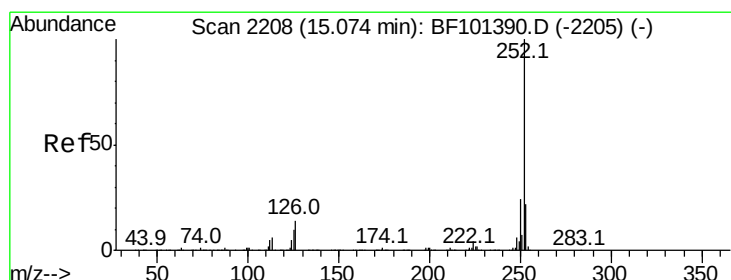
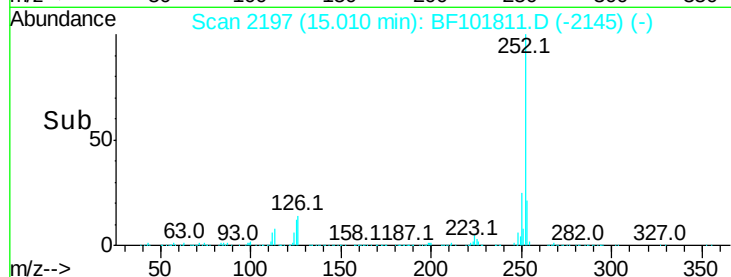
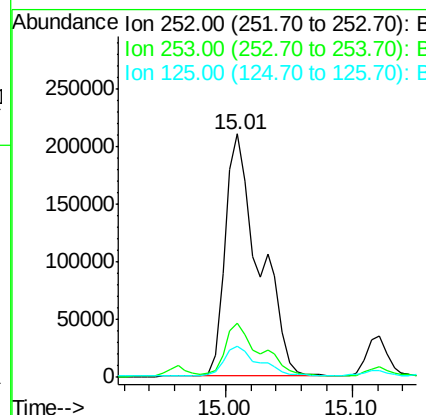
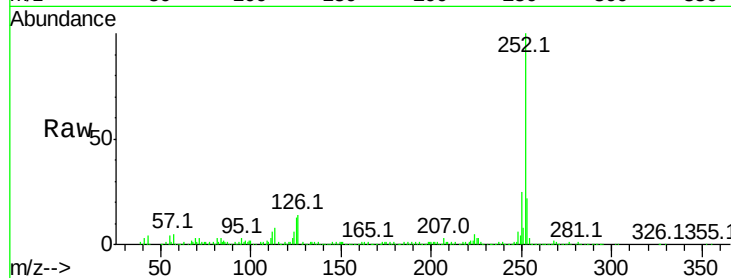




#87
Benzo(b)fluoranthene
Concen: 21.999 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

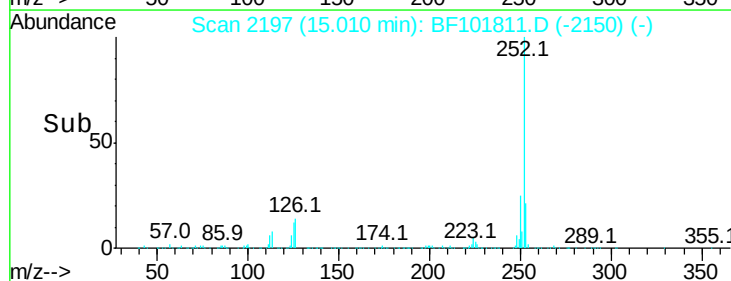
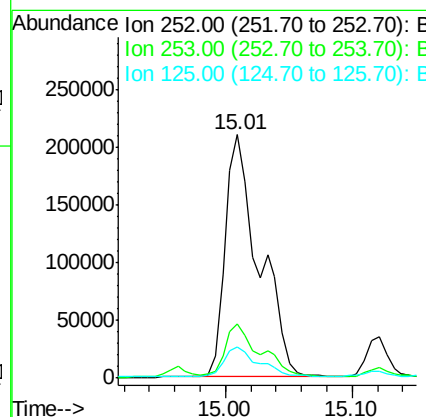
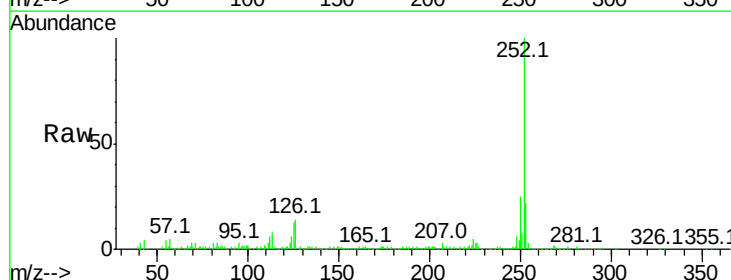
Instrument :
BNA_F
ClientSampleId :

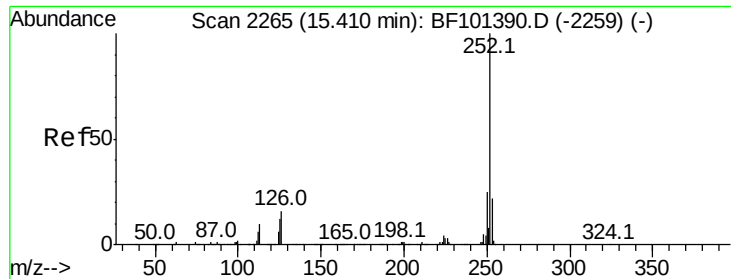
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	12.7	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 22.626 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF101811.D
Acq: 28 Dec 2017 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	12.7	10.2	15.2





#89

Benzo(a)pyrene

Concen: 11.076 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

Instrument :

BNA_F

ClientSampleId :

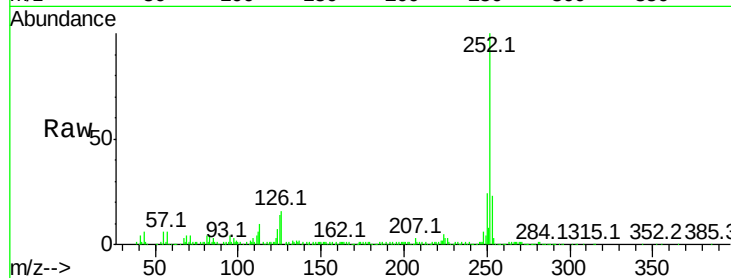
Tot Ion:252 Resp: 181361

Ion Ratio Lower Upper

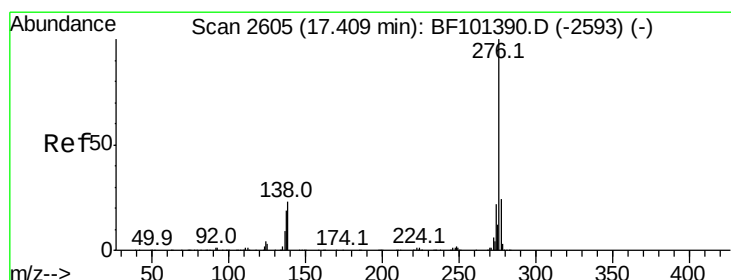
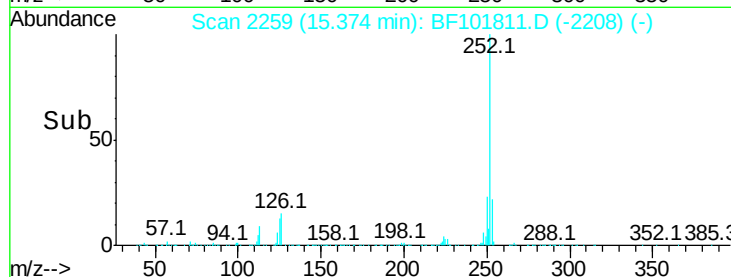
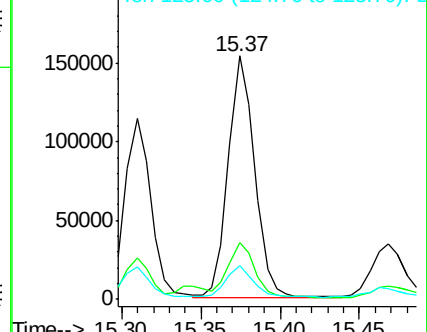
252 100

253 23.4 17.1 25.7

125 13.9 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 6.203 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.02 min

Lab File: BF101811.D

Acq: 28 Dec 2017 19:12

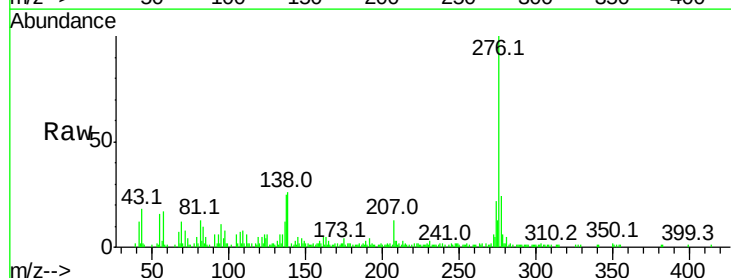
Tgt Ion:276 Resp: 86344

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 26.3 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

