

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101806.D
 Acq On : 28 Dec 2017 16:58
 Operator : SJ/JU
 Sample : I6970-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 18:14:18 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	155313	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	601224	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	244762	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	387600	20.00	ng	0.00
75) Chrysene-d12	13.96	240	304060	20.00	ng	0.00
86) Perylene-d12	15.43	264	290494	20.00	ng	0.00

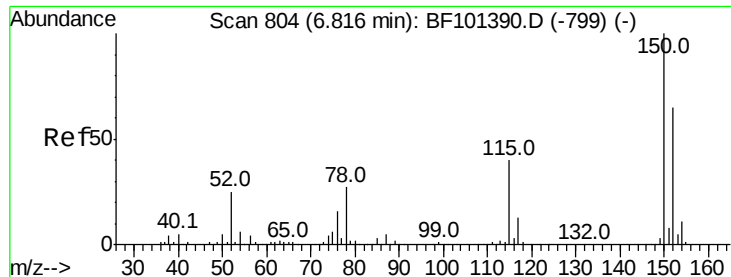
System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1027404	98.54	ng	0.00
7) Phenol-d6	6.43	99	1222084	94.18	ng	0.00
23) Nitrobenzene-d5	7.36	82	756549	70.05	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	219240	92.96	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1162396	73.67	ng	0.00
78) Terphenyl-d14	12.89	244	861545	68.31	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.45	94	46091	3.116	ng	# 64
19) n-Nitroso-di-n-propylamine	7.36	70	99954	11.729	ng	# 80
25) Isophorone	7.36	82	756549	34.918	ng	# 64
49) Dimethylphthalate	9.54	163	59129	3.003	ng	# 98
50) 2,6-Dinitrotoluene	9.82	165	31415	7.851	ng	# 25
57) Fluorene	10.37	166	43465	2.565	ng	# 96
66) 4-Bromophenyl-phenylether	10.62	248	13530	3.107	ng	# 1
70) Phenanthrene	11.34	178	492620	22.854	ng	# 98
71) Anthracene	11.39	178	136996	6.222	ng	# 97
74) Fluoranthene	12.53	202	393017	17.371	ng	# 97
77) Pyrene	12.76	202	443512	19.436	ng	# 99
80) Benzo(a)anthracene	13.95	228	183931	9.161	ng	# 97
82) Chrysene	13.99	228	167981	8.861	ng	# 98
87) Benzo(b)fluoranthene	15.01	252	199740	11.281	ng	# 95
88) Benzo(k)fluoranthene	15.01	252	199740	11.602	ng	# 98
89) Benzo(a)pyrene	15.38	252	131278	8.043	ng	# 98
91) Benzo(a,h,i)perylene	17.38	276	60284	4.344	ng	# 93

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

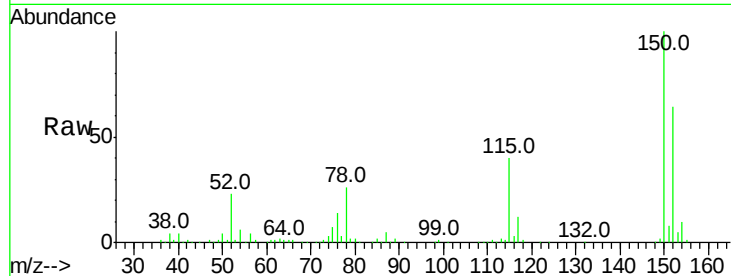


#1

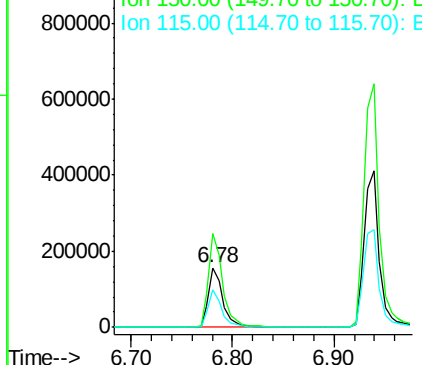
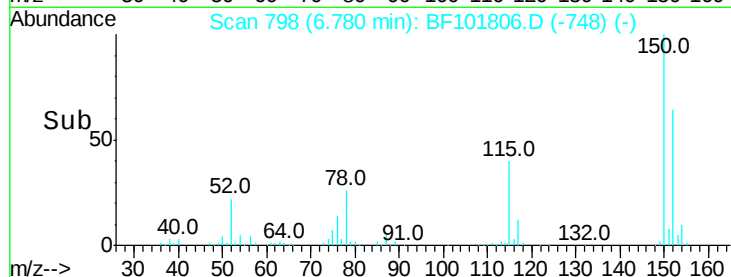
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155313
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 62.4 50.1 75.1



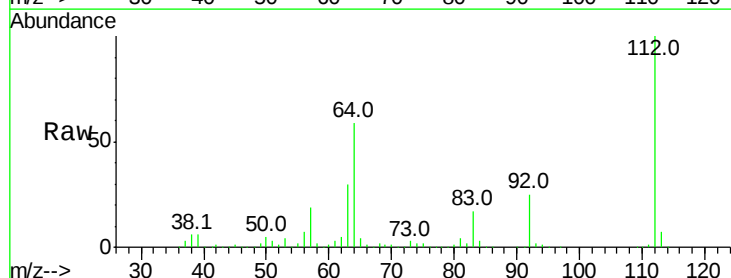
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



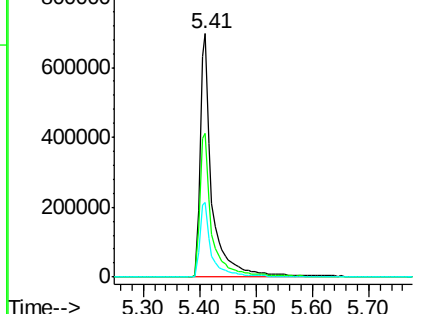
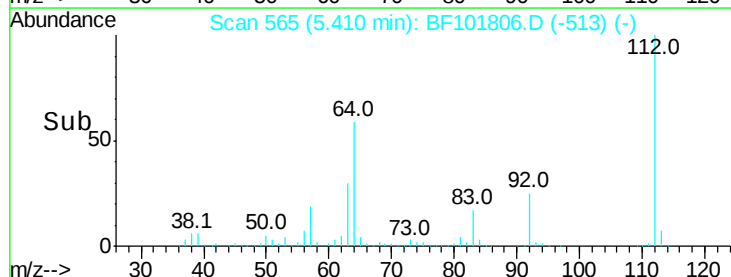
#5

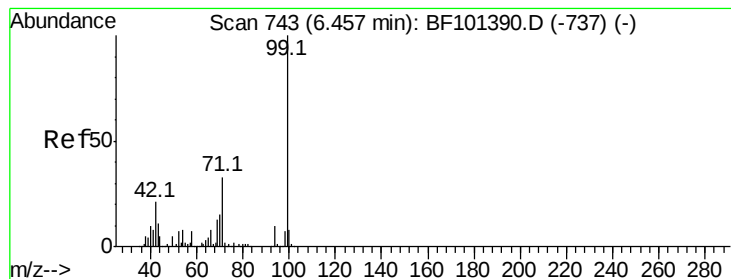
2-Fluorophenol
Concen: 98.536 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion:112 Resp: 1027404
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 30.4 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: 94.178 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

ClientSampleId :

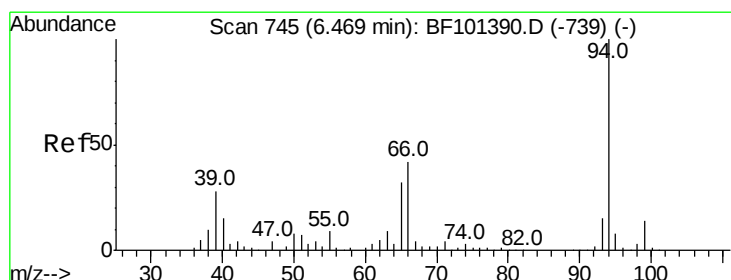
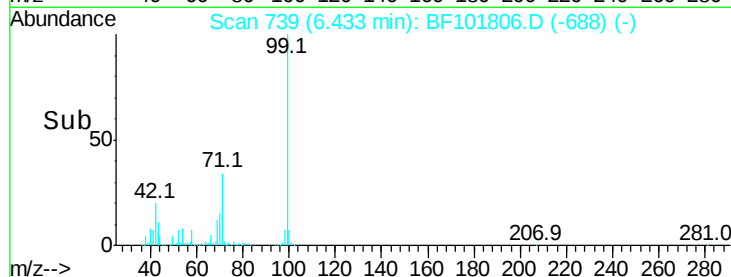
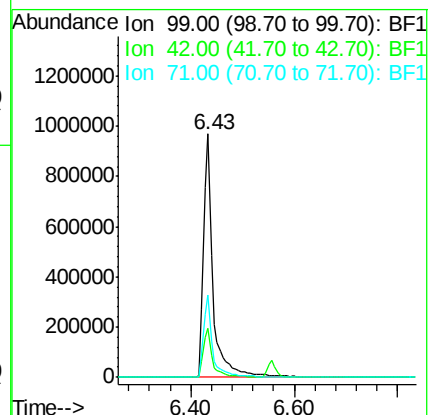
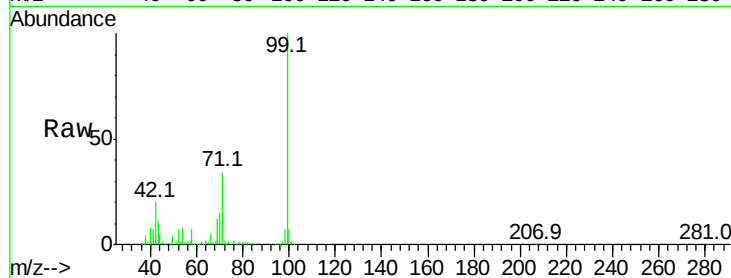
Tot Ion: 99 Resp: 1222084

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 33.8 25.4 38.0



#10

Phenol

Concen: 3.116 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

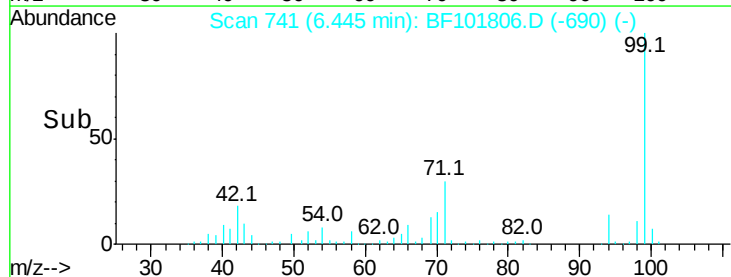
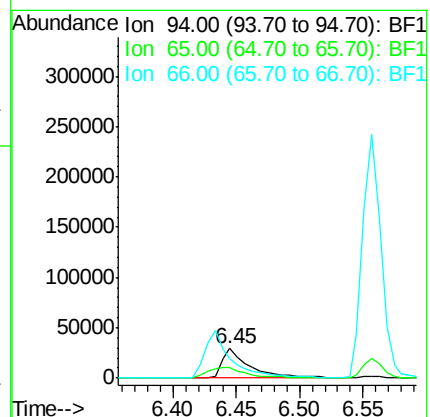
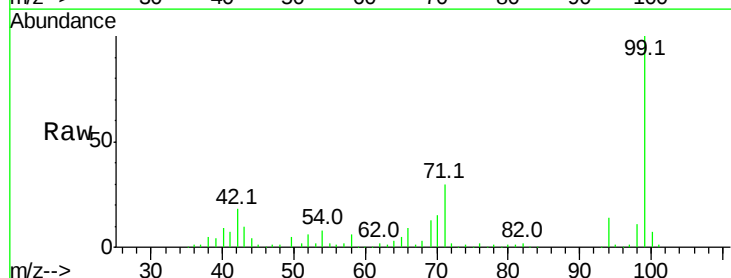
Tgt Ion: 94 Resp: 46091

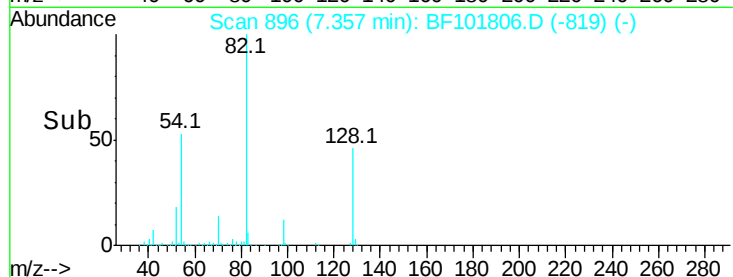
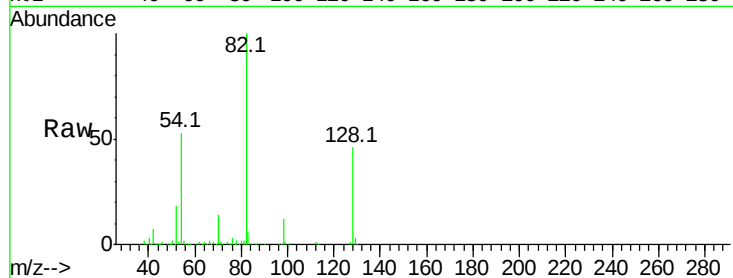
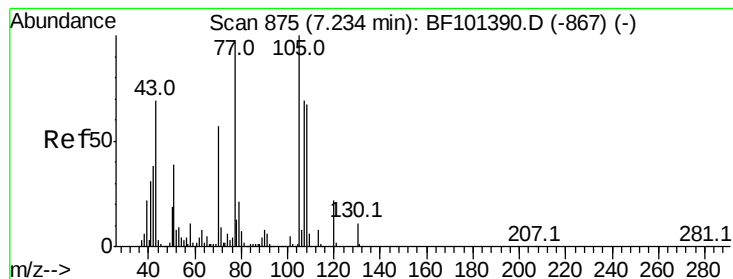
Ion Ratio Lower Upper

94 100

65 36.6 7.9 47.9

66 66.2 16.2 56.2#





#19

n-Nitroso-di-n-propylamine

Concen: 11.729 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101806.D

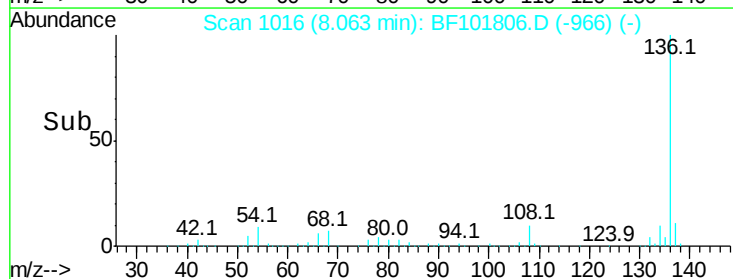
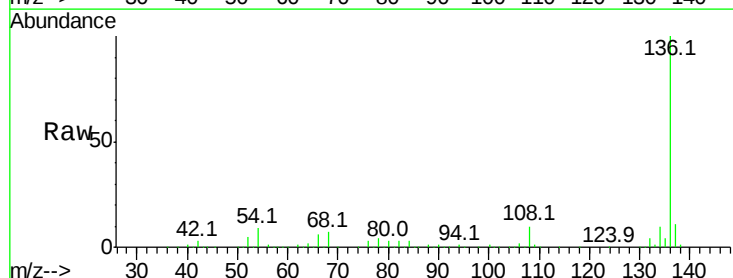
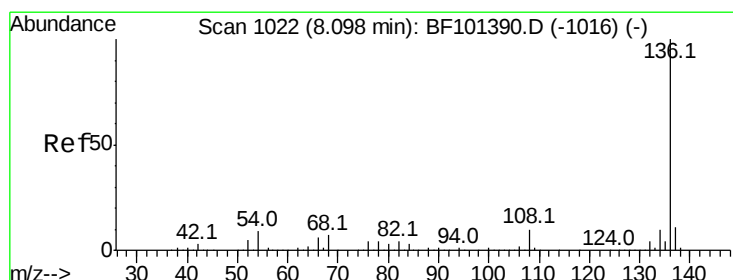
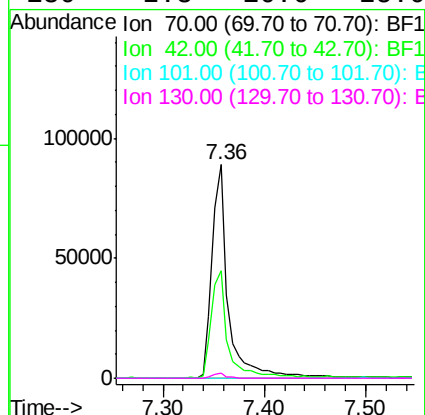
Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	99954
Ion	Ratio	Lower	Upper
70	100		
42	50.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

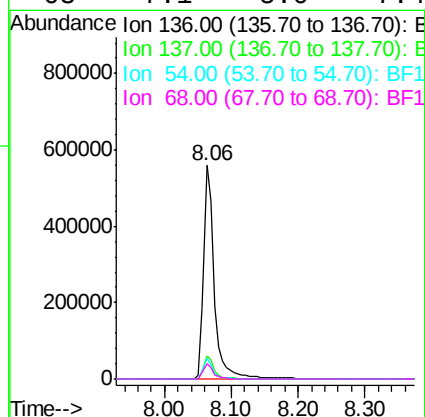
RT: 8.06 min Scan# 1016

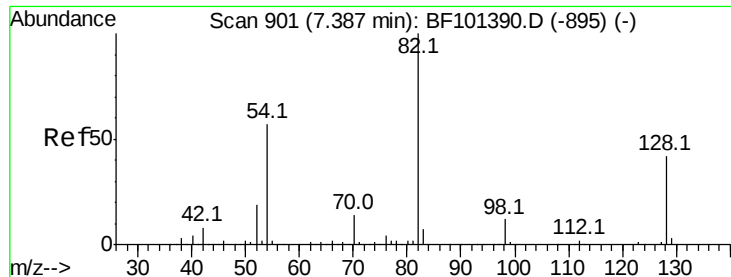
Delta R.T. -0.01 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Tgt Ion:	136	Resp:	601224
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.5	6.6	9.8
68	7.1	5.0	7.4

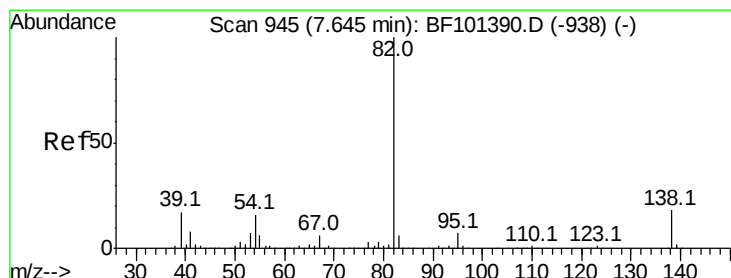
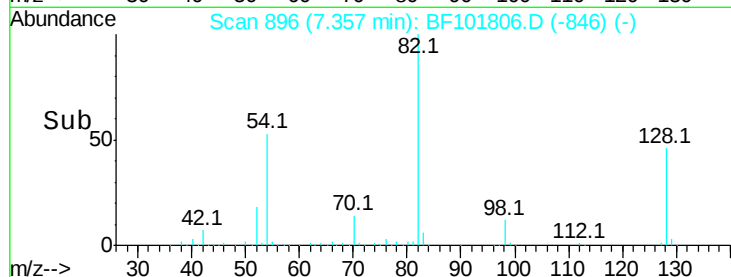
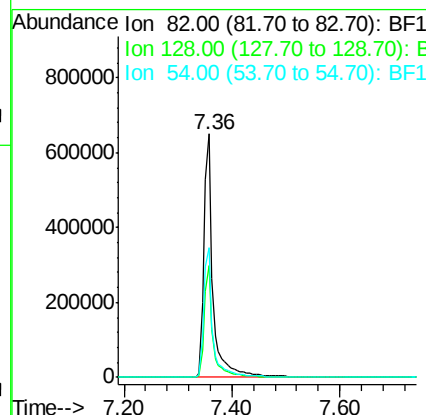
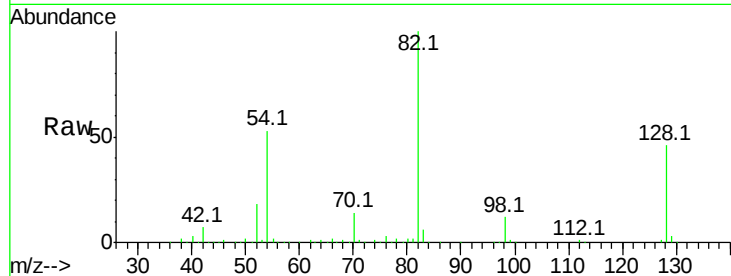




#23
 Nitrobenzene-d5
 Concen: 70.047 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

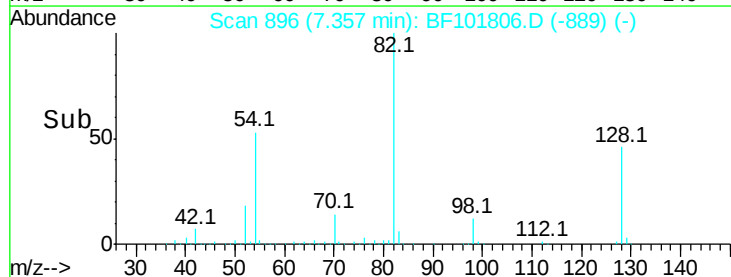
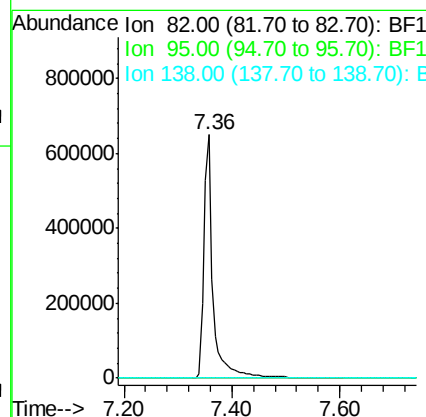
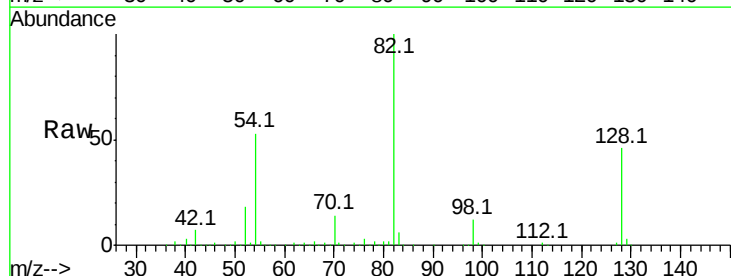
Instrument :
 BNA_F
 ClientSampled :

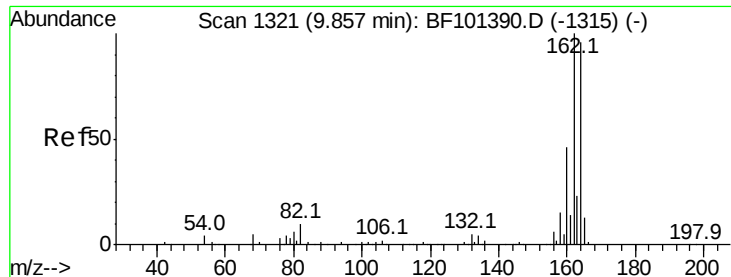
Tot Ion	82	Resp	756549
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	53.3	41.4	62.2



#25
 Isophorone
 Concen: 34.918 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

Tgt Ion	82	Resp	756549
Ion Ratio	100		
Lower	5.2		
Upper	7.8#		
95	0.0	14.9	22.3#
138	0.0		

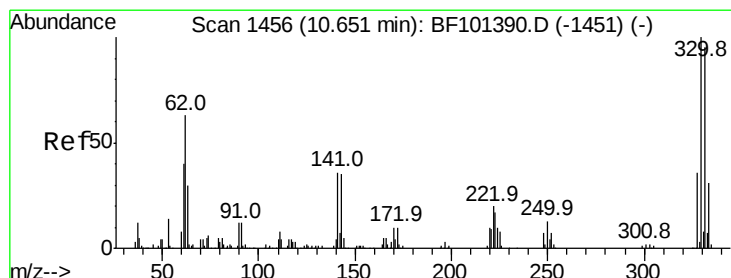
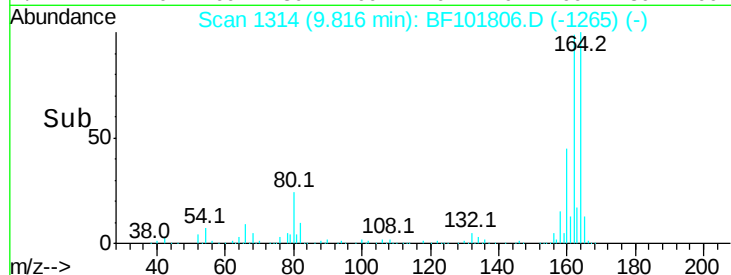
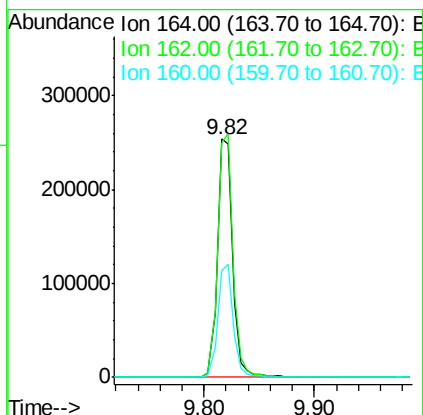
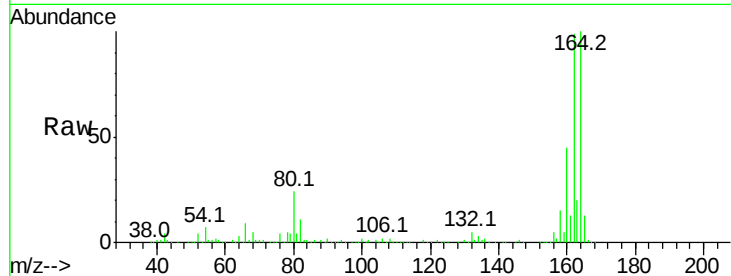




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

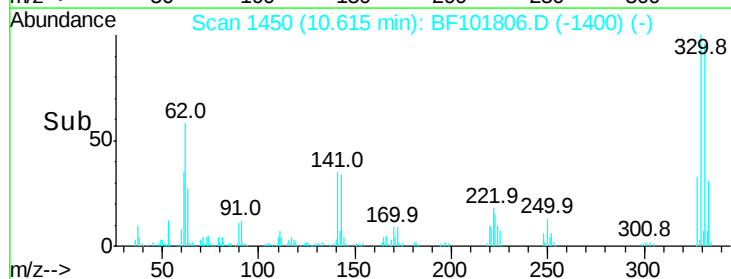
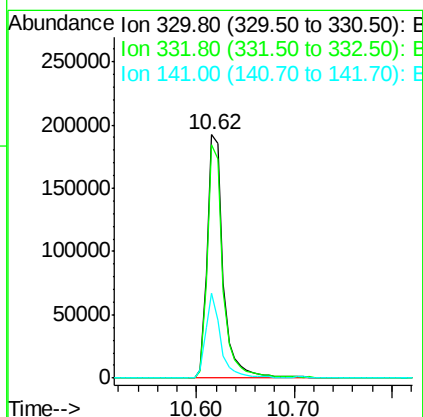
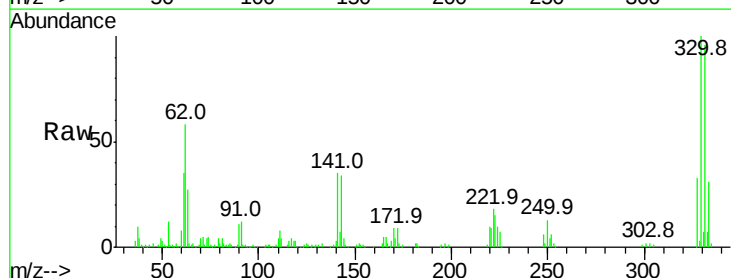
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 244762
 Ion Ratio Lower Upper
 164 100
 162 98.8 86.1 129.1
 160 45.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 92.958 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

Tgt Ion:330 Resp: 219240
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 32.9 29.9 44.9

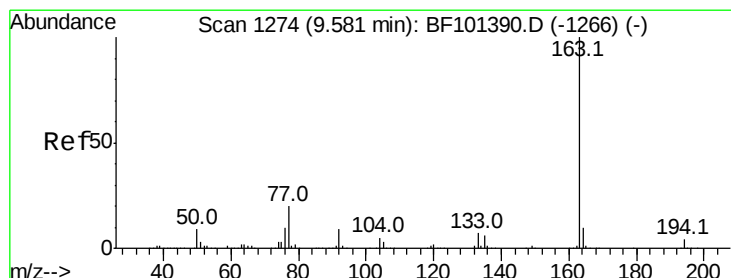
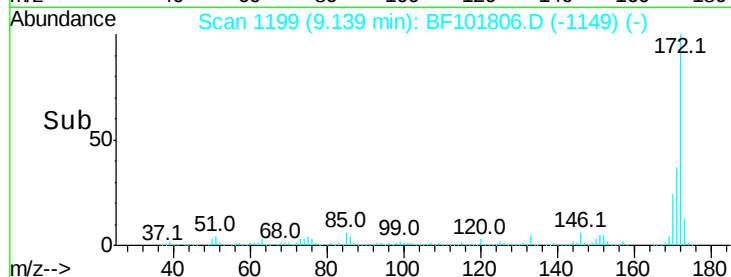
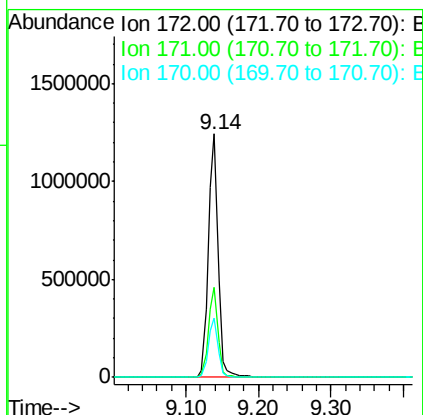
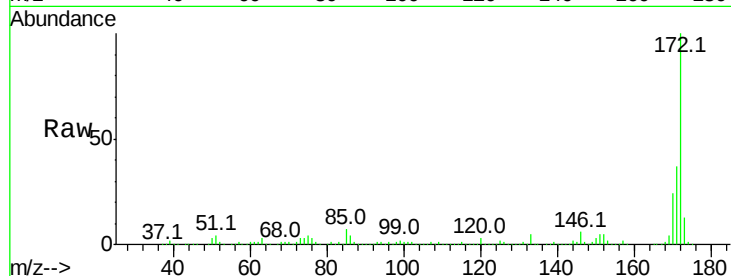




#44
2-Fluorobiphenyl
Concen: 73.670 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

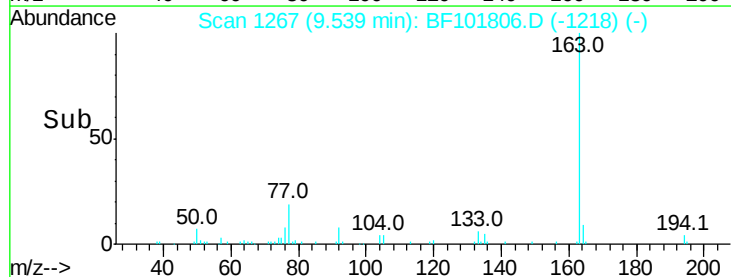
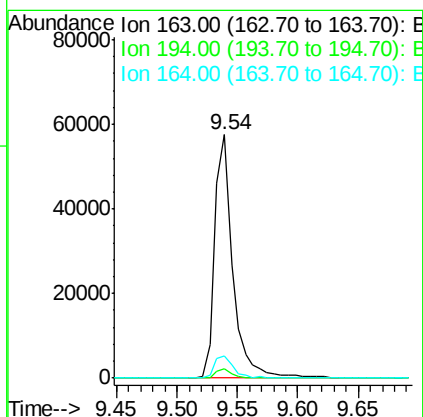
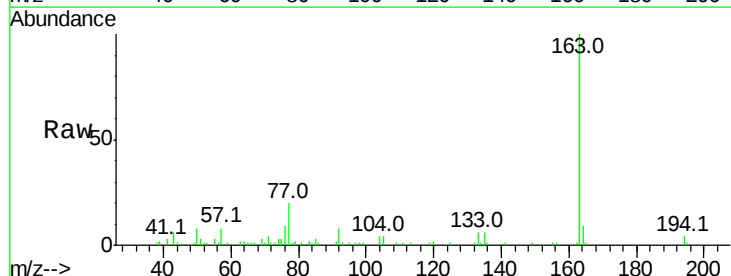
Instrument :
BNA_F
ClientSampleId :

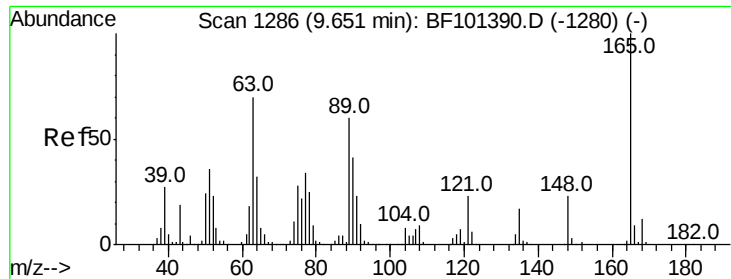
Tot Ion:172 Resp: 1162396
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 24.3 19.6 29.4



#49
Dimethylphthalate
Concen: 3.003 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion:163 Resp: 59129
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.2 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 7.851 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.19 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

ClientSampleId :

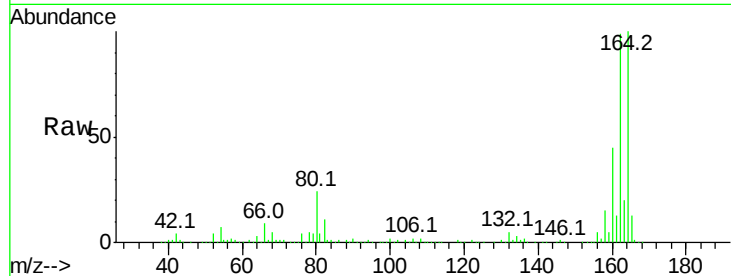
Tot Ion:165 Resp: 31415

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

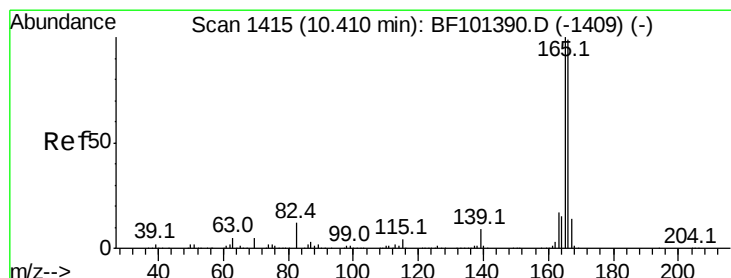
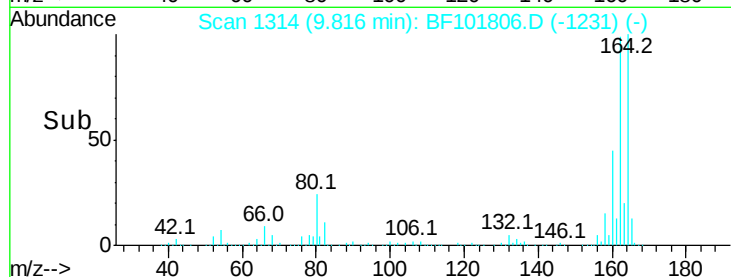
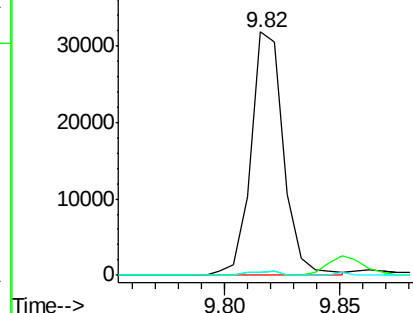
89 1.3 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

Fluorene

Concen: 2.565 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

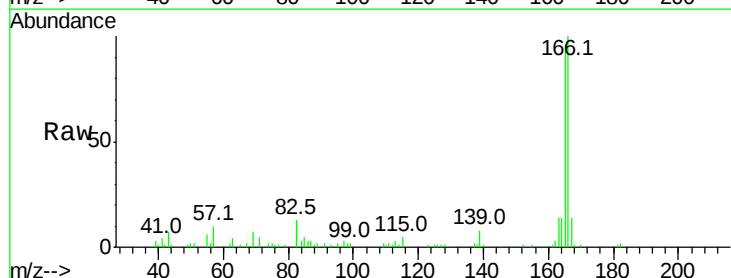
Tgt Ion:166 Resp: 43465

Ion Ratio Lower Upper

166 100

165 96.0 79.8 119.8

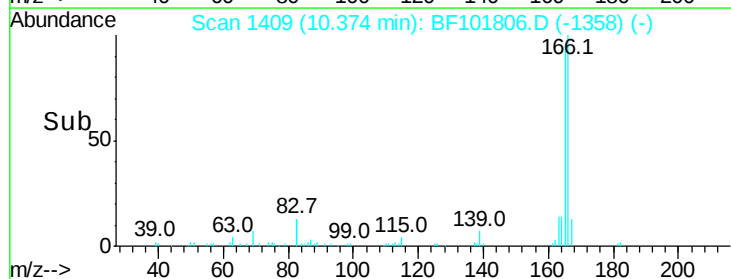
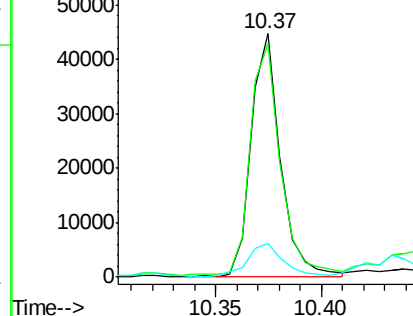
167 13.9 10.6 16.0

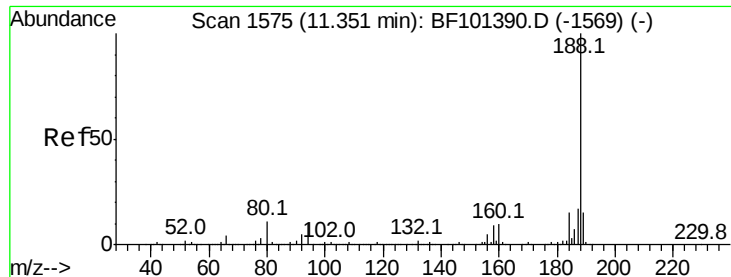


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

ClientSampleId :

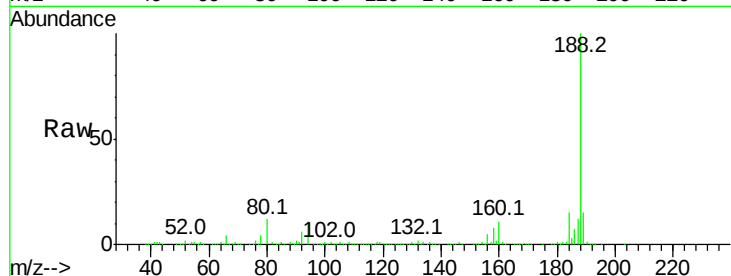
Tot Ion:188 Resp: 387600

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

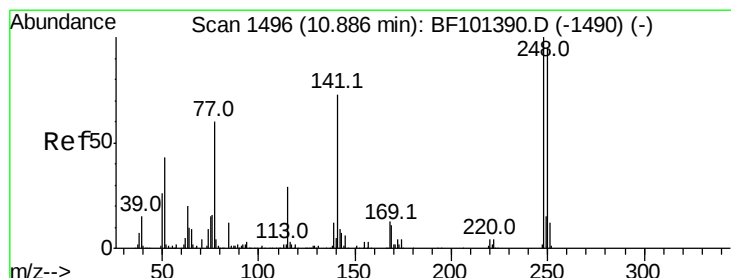
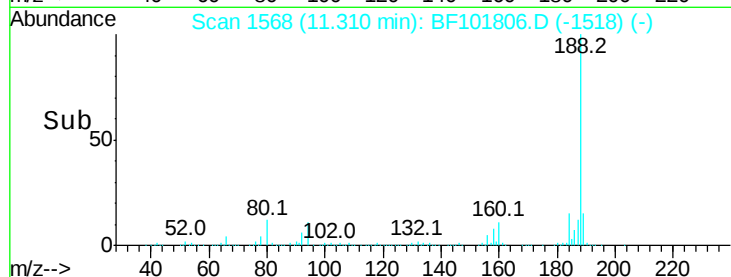
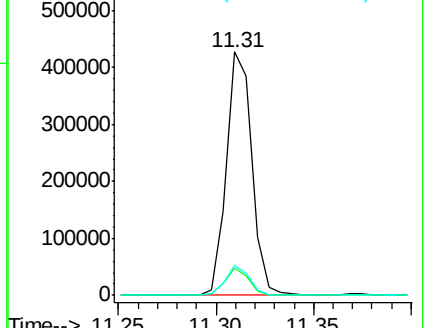
80 12.1 9.2 13.8



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: 3.107 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.24 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

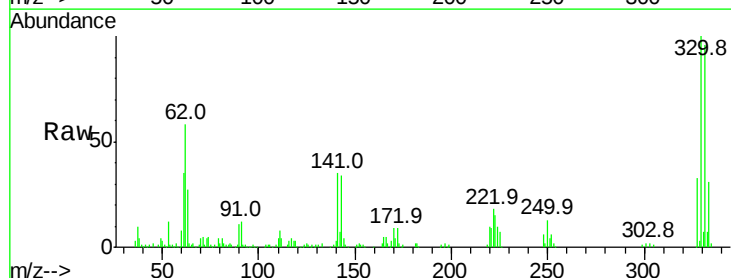
Tgt Ion:248 Resp: 13530

Ion Ratio Lower Upper

248 100

250 207.1 76.9 115.3#

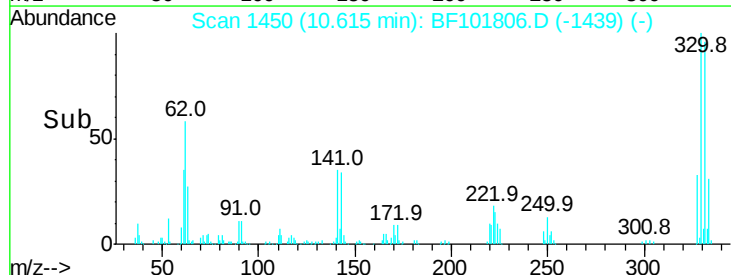
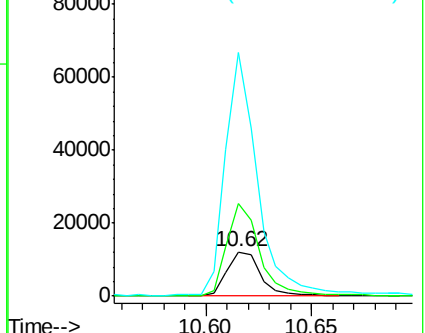
141 546.7 74.4 111.6#

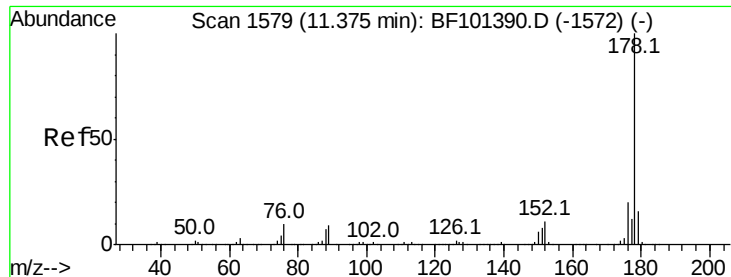


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

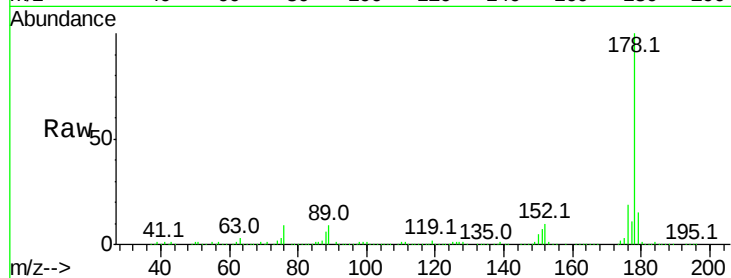




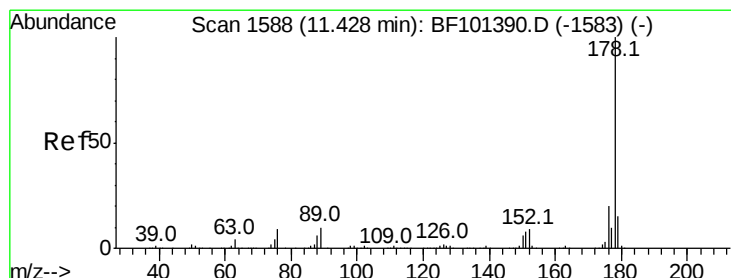
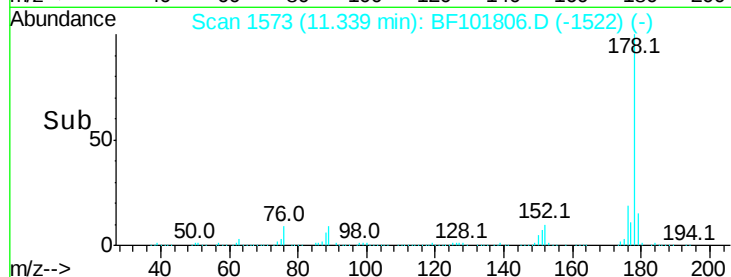
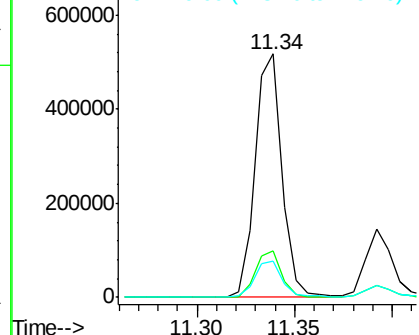
#70
Phenanthrene
Concen: 22.854 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 492620
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.0 13.0 19.6

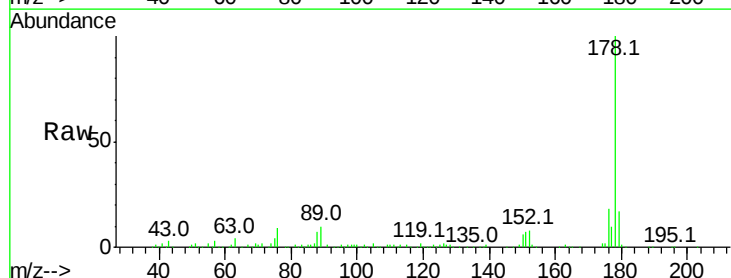


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

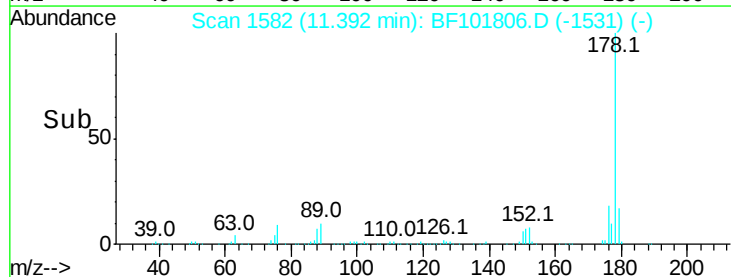
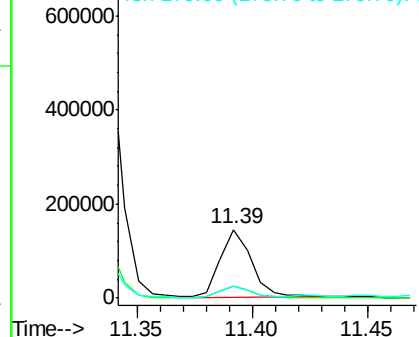


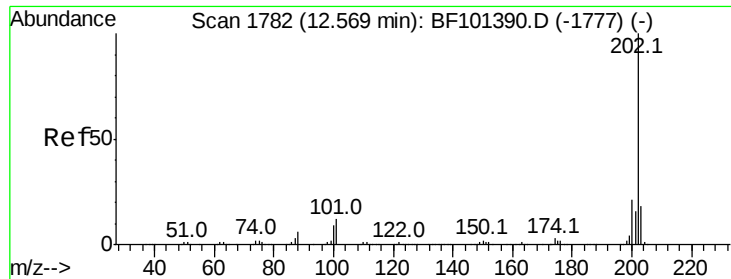
#71
Anthracene
Concen: 6.222 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion:178 Resp: 136996
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 17.1 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: 17.371 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

ClientSampleId :

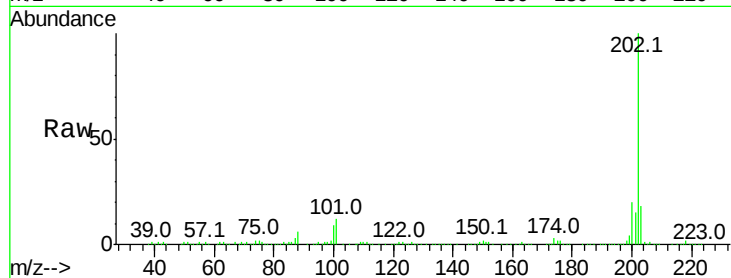
Tot Ion:202 Resp: 393017

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.1
203	17.9	0.0	38.1

202 100

101 11.7 0.0 34.1

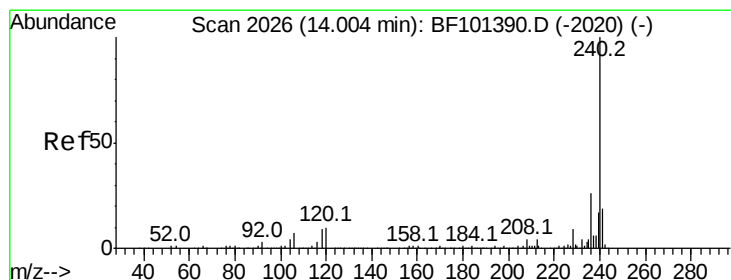
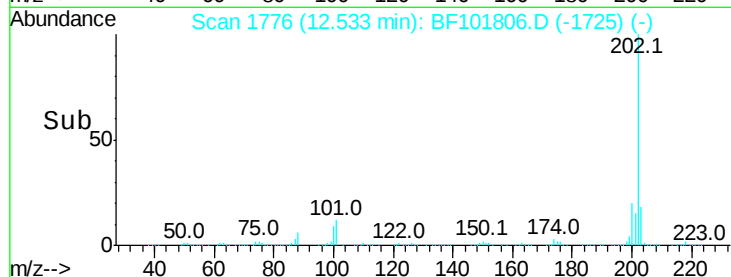
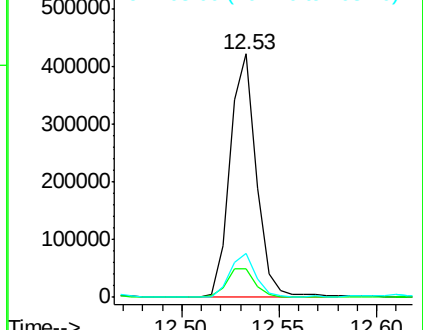
203 17.9 0.0 38.1



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: BF101806.D

Acq: 28 Dec 2017 16:58

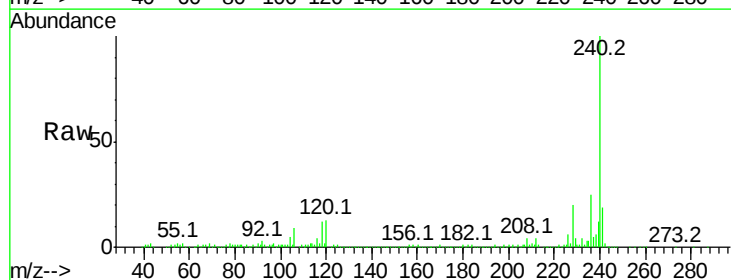
Tgt Ion:240 Resp: 304060

Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.5	14.3
236	24.9	20.7	31.1

240 100

120 13.2 9.5 14.3

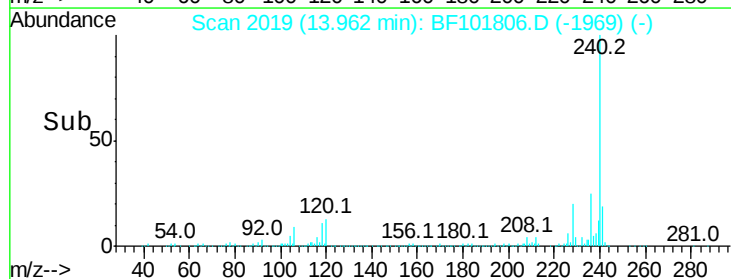
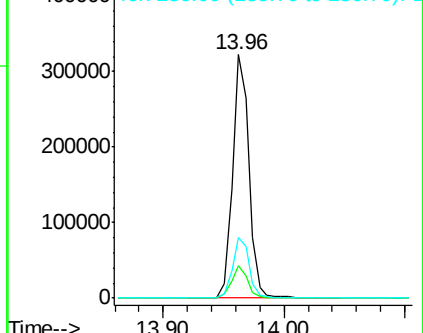
236 24.9 20.7 31.1

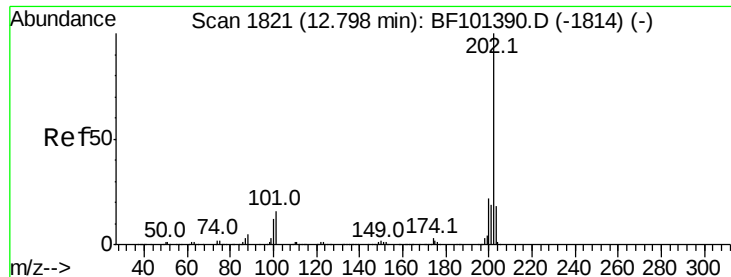


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.436 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

ClientSampleId :

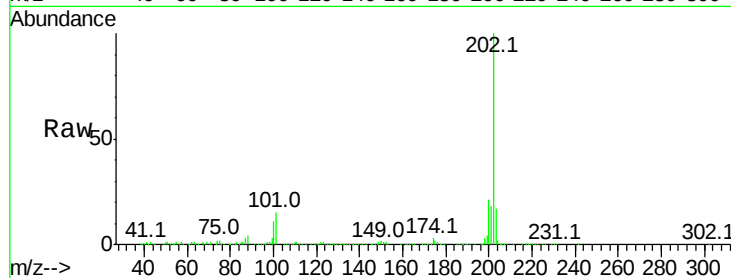
Tot Ion:202 Resp: 443512

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

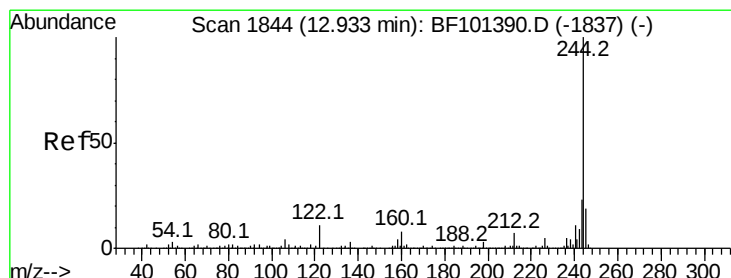
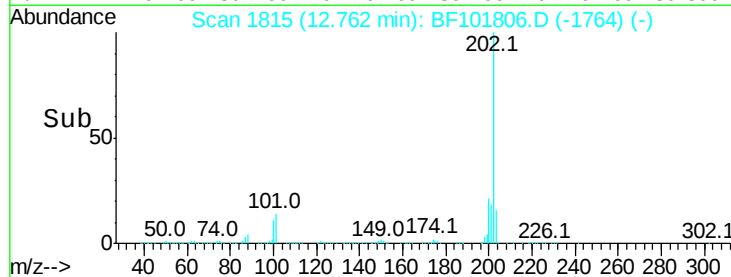
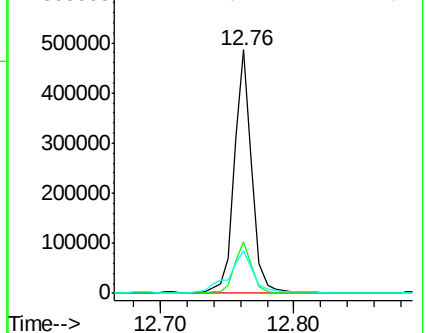
203 17.3 14.3 21.5



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: 68.308 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

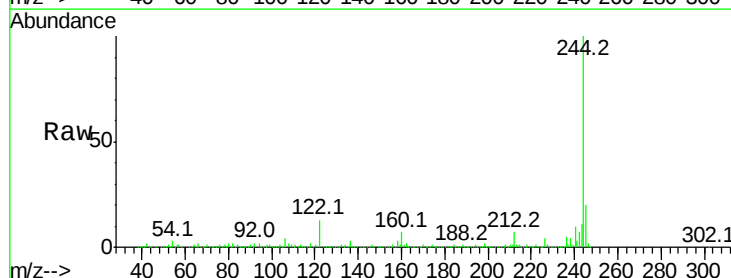
Tgt Ion:244 Resp: 861545

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

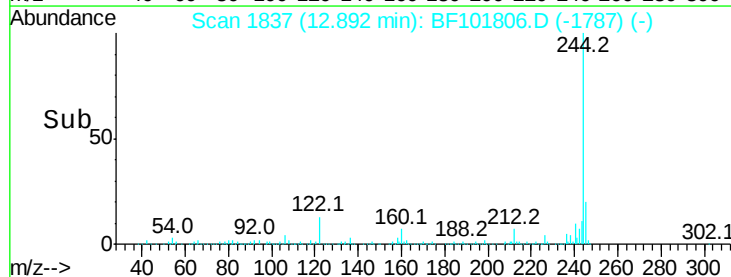
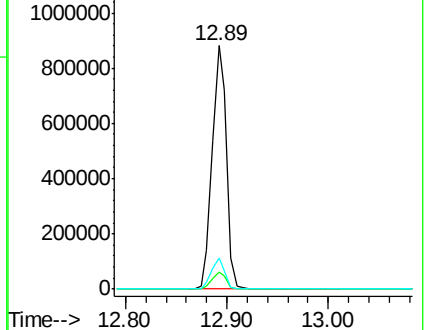
122 12.6 11.0 16.4

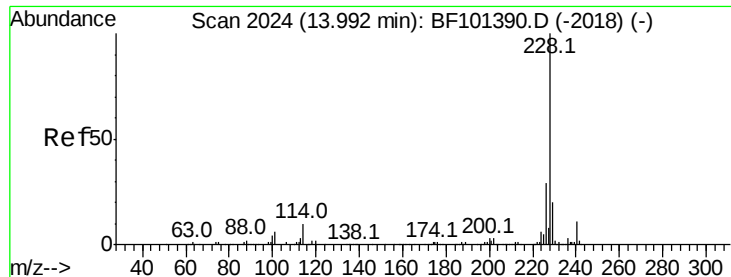


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.161 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

ClientSampleId :

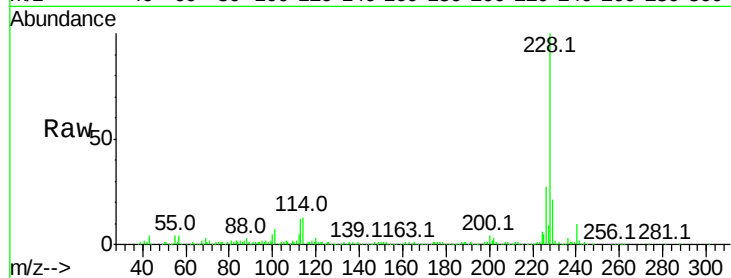
Tot Ion:228 Resp: 183931

Ion Ratio Lower Upper

228 100

226 27.0 22.6 33.8

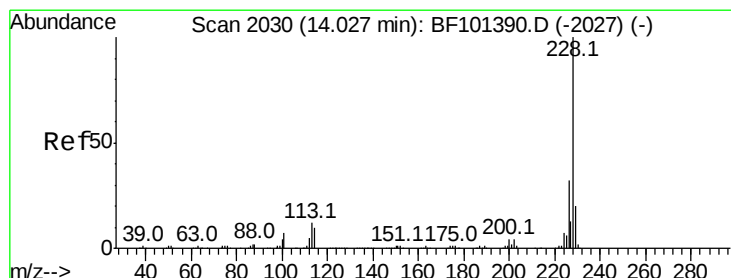
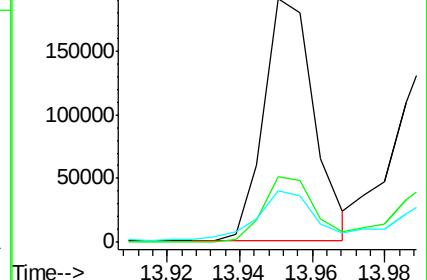
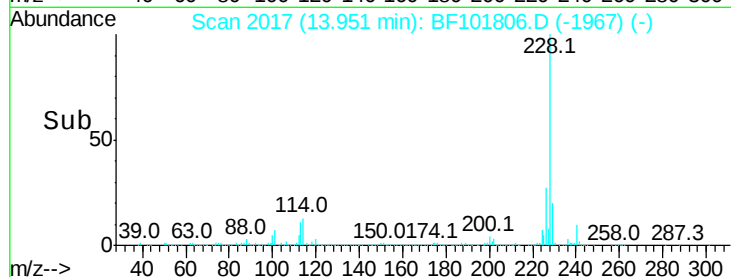
229 21.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 8.861 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

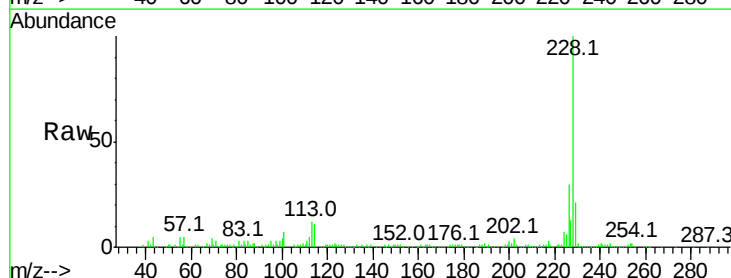
Tgt Ion:228 Resp: 167981

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

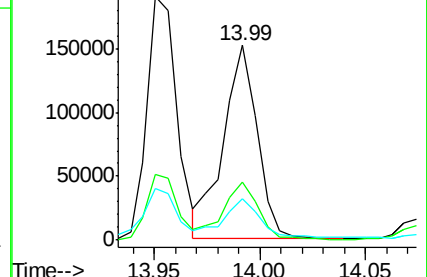
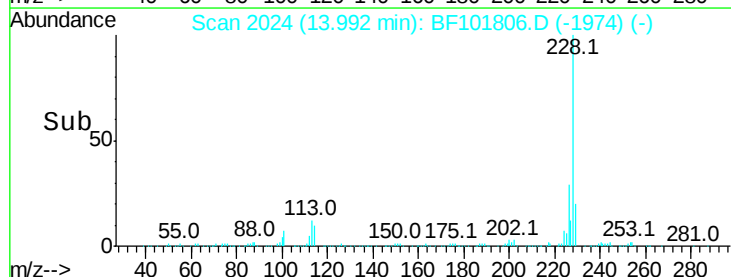
229 21.0 16.2 24.4

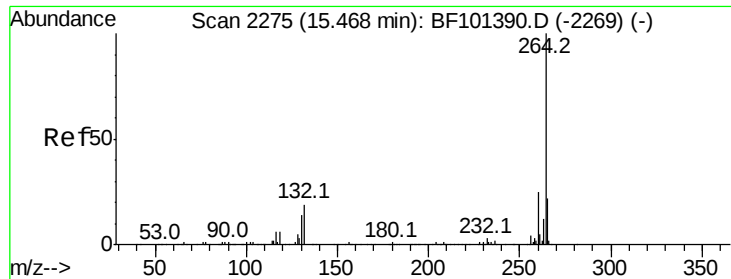


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

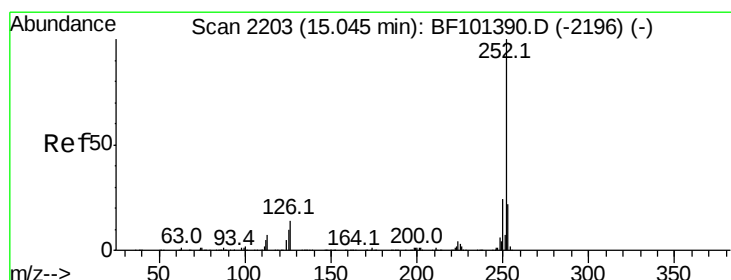
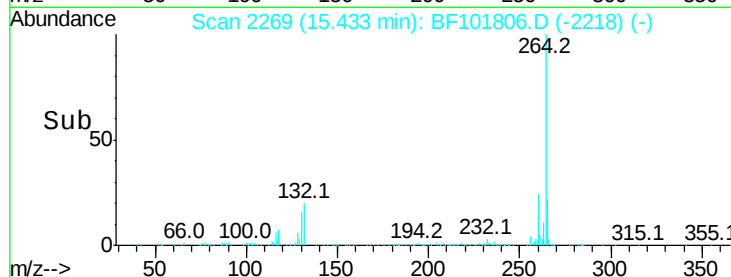
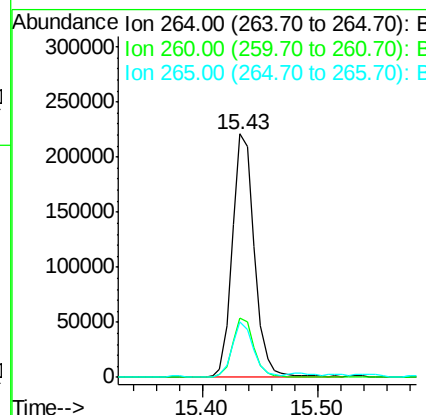
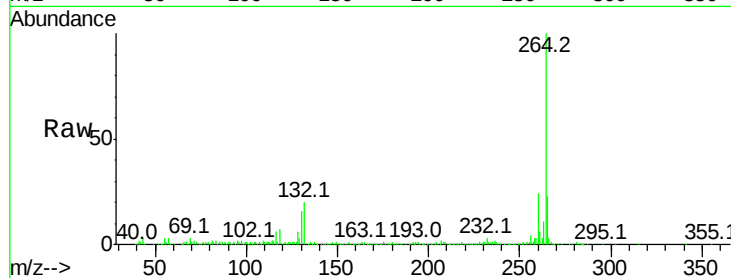




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

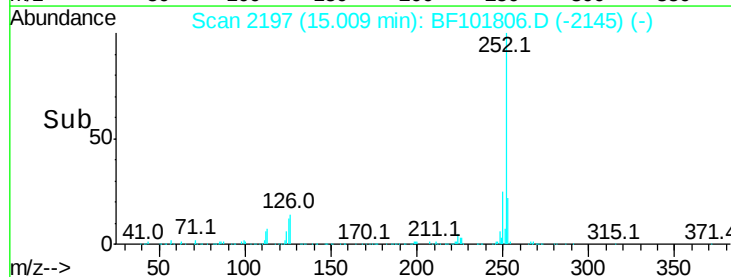
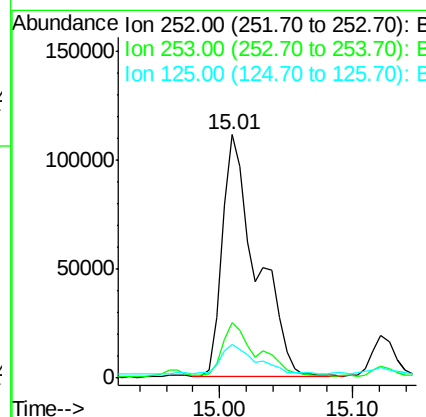
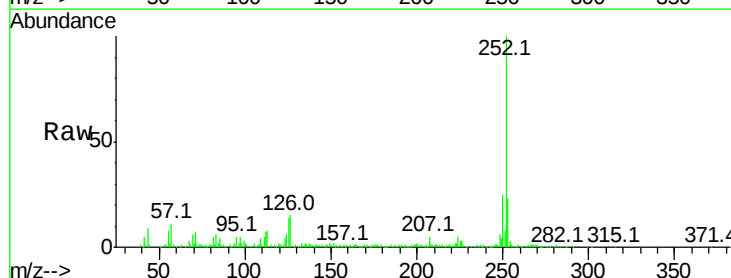
Instrument :
BNA_F
ClientSampled :

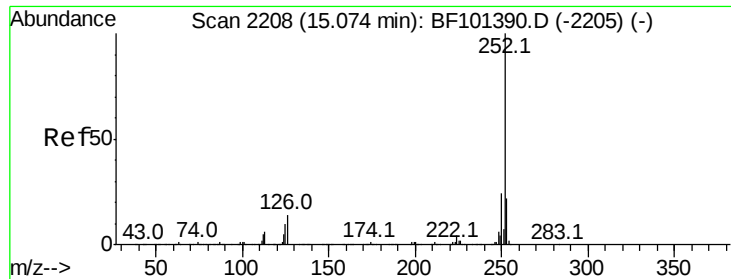
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 11.281 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.7	9.0	13.6#

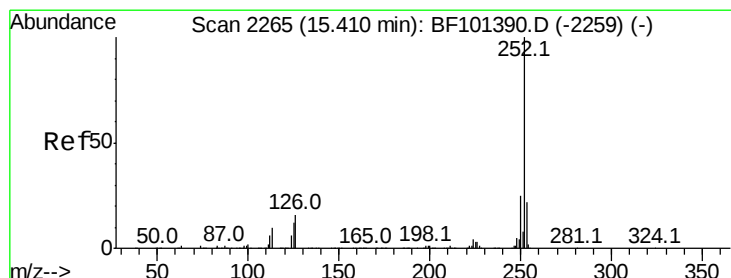
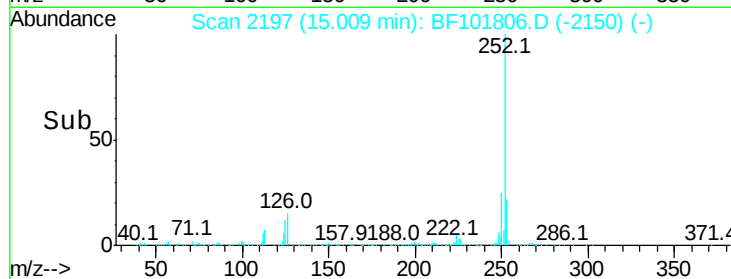
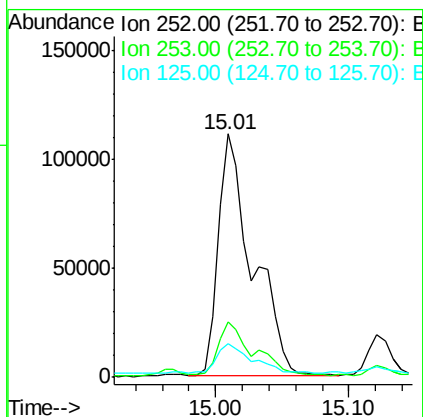
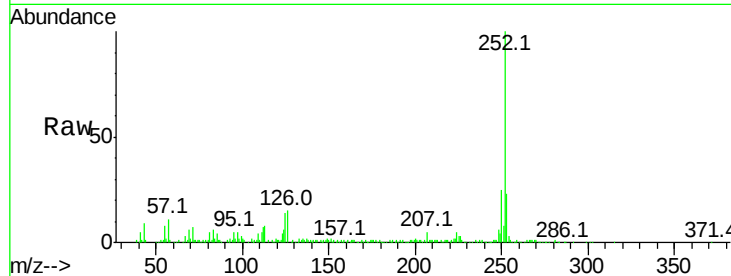




#88
Benzo(k)fluoranthene
Concen: 11.602 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

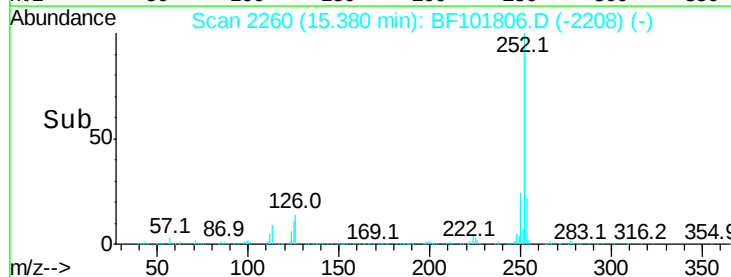
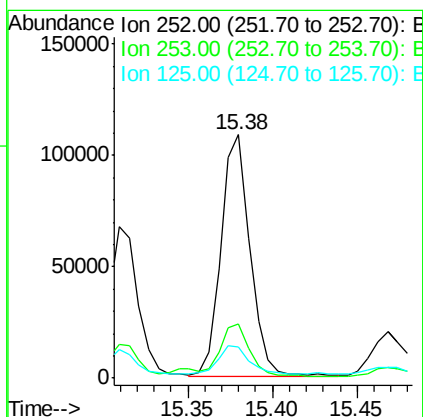
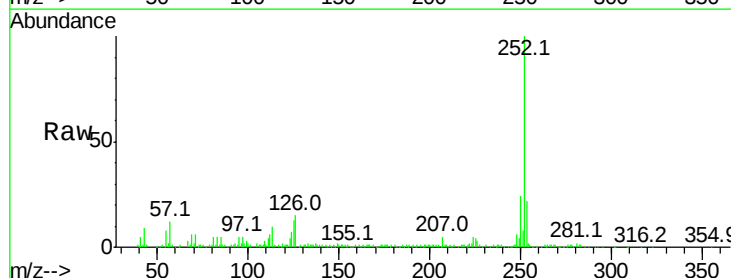
Instrument :
BNA_F
ClientSampleId :

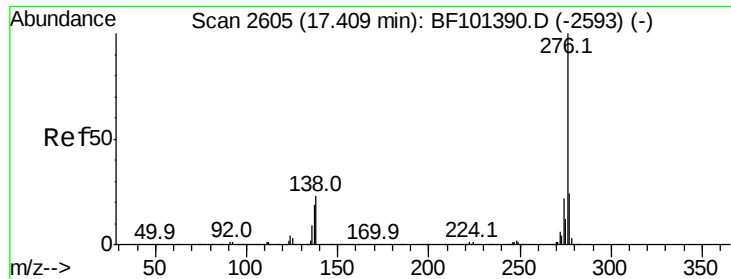
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	13.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.043 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	12.8	9.8	14.6

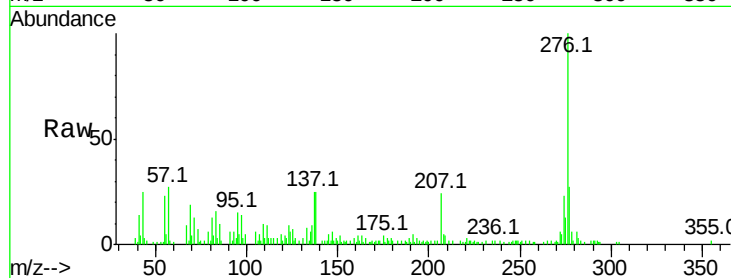




#91
 Benzo(a,h,i)perylene
 Concen: 4.344 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. 0.03 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.9	26.9
138	24.7	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

