

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081318\
 Data File : BF108118.D
 Acq On : 13 Aug 2018 16:11
 Operator : JU/SJ
 Sample : J4272-07RE 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 13 17:12:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

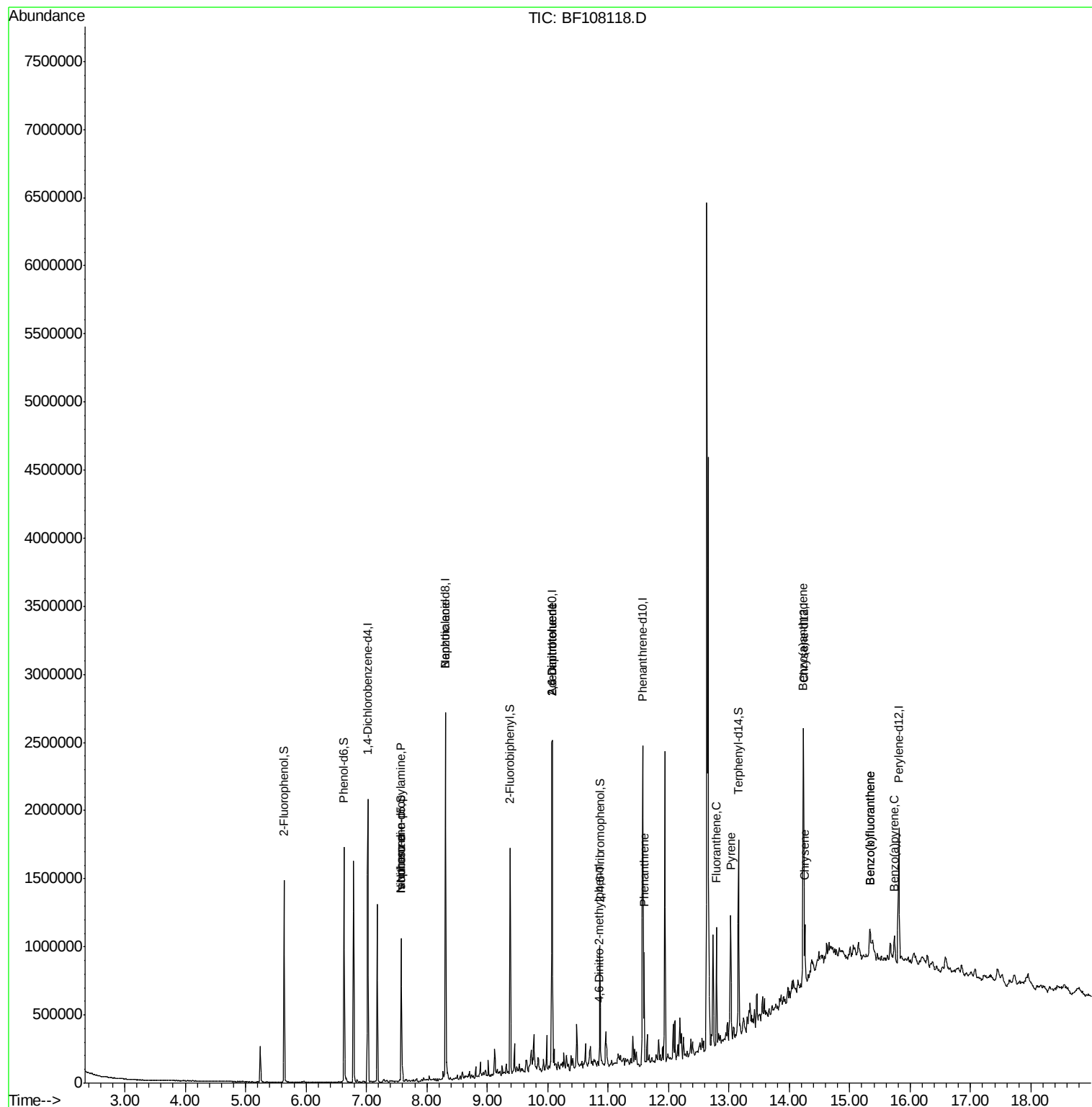
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	277635	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	1043176	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	491757	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	841626	20.00	ng	0.01
75) Chrysene-d12	14.24	240	638859	20.00	ng	0.02
86) Perylene-d12	15.81	264	509120	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	331979	21.65	ng	0.00
7) Phenol-d6	6.63	99	460895	22.62	ng	0.00
23) Nitrobenzene-d5	7.58	82	279223	14.94	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	95298	19.43	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	516459	16.86	ng	0.00
78) Terphenyl-d14	13.16	244	424438	16.89	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	39250	2.848	ng	# 85
25) Isophorone	7.58	82	279219	7.836	ng	# 64
32) Benzoic acid	8.31	122	156	5.989	ng	# 1
50) 2,6-Dinitrotoluene	10.07	165	68509	9.559	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	68509	7.426	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	131	5.395	ng	# 1
70) Phenanthrene	11.59	178	275180	6.932	ng	99
74) Fluoranthene	12.79	202	311108	7.181	ng	96
77) Pyrene	13.03	202	382147	9.448	ng	99
80) Benzo(a)anthracene	14.22	228	156229	4.261	ng	96
82) Chrysene	14.26	228	157416	4.683	ng	98
87) Benzo(b)fluoranthene	15.34	252	162774	5.351	ng	# 88
88) Benzo(k)fluoranthene	15.34	252	162774	5.821	ng	# 91
89) Benzo(a)pyrene	15.74	252	101204	3.715	ng	# 94

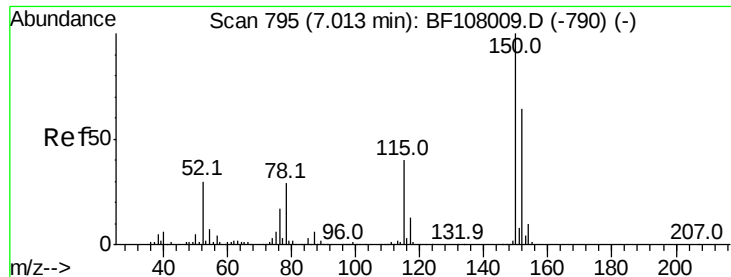
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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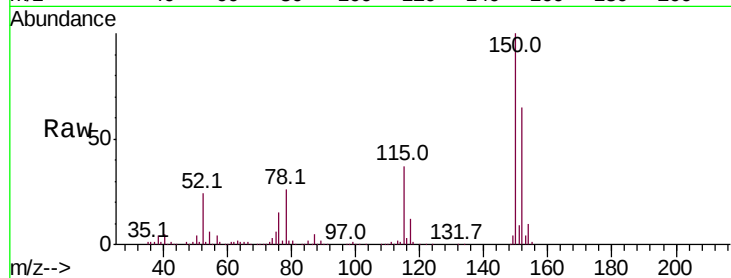


#1

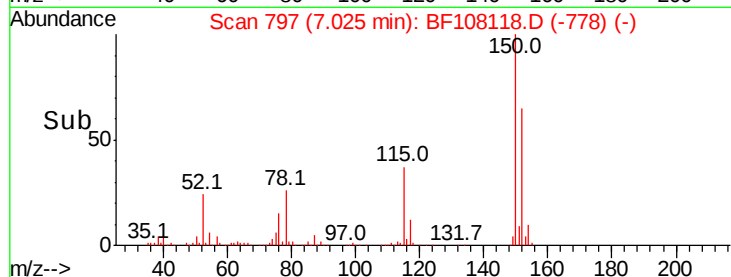
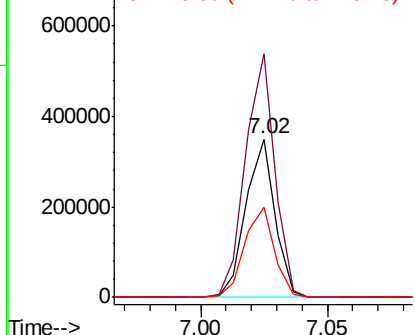
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 277635
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 57.0 50.1 75.1



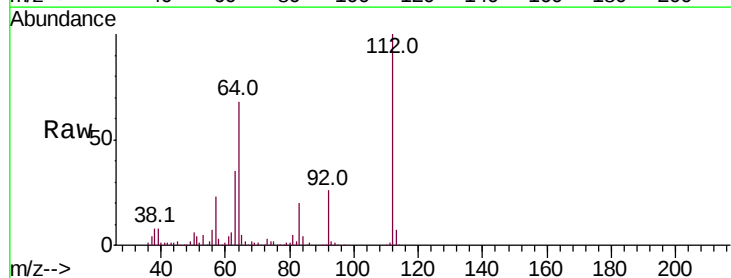
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



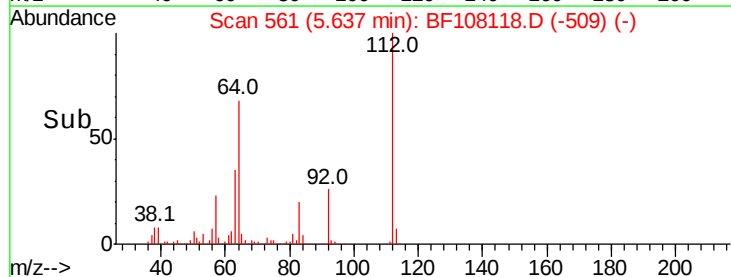
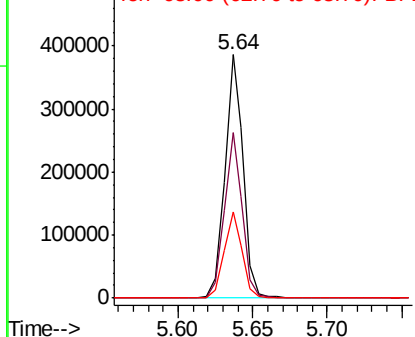
#5

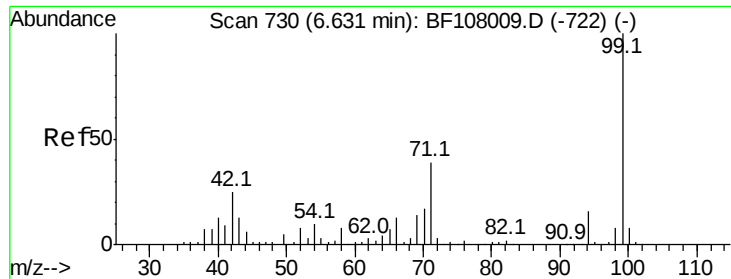
2-Fluorophenol
Concen: 21.648 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:112 Resp: 331979
Ion Ratio Lower Upper
112 100
64 68.2 47.9 71.9
63 35.4 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: 22.617 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

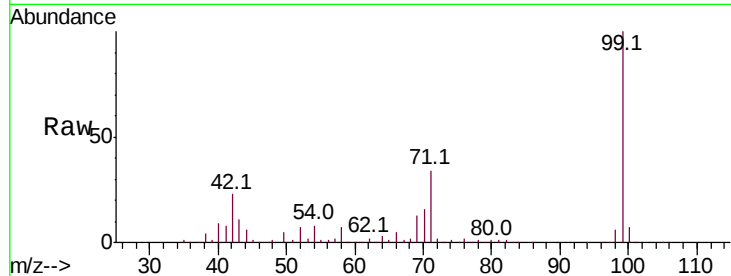
Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

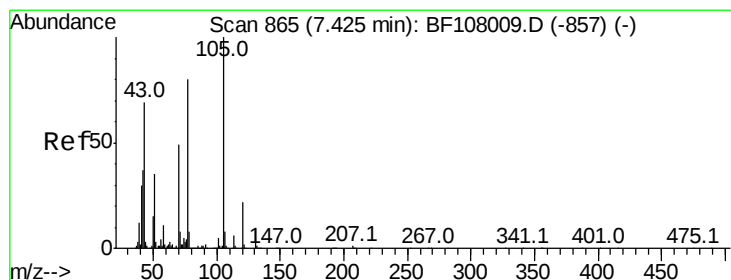
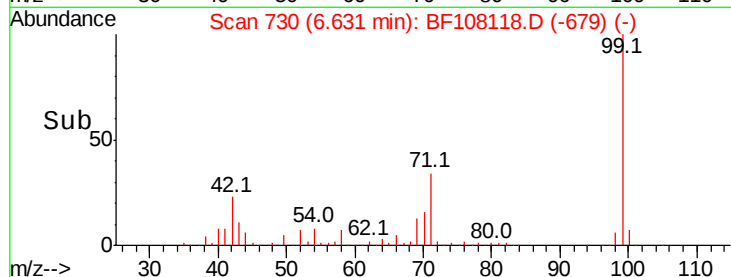
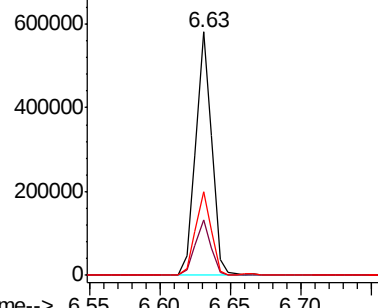
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 99 Resp: 460895

Ion	Ratio	Lower	Upper
99	100		
42	22.5	14.5	21.7#
71	34.4	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



#19

n-Nitroso-di-n-propylamine

Concen: 2.848 ng

RT: 7.58 min Scan# 891

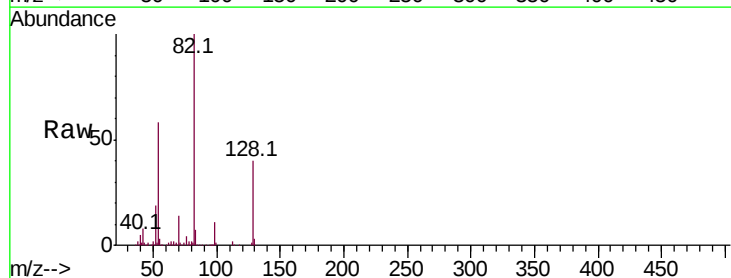
Delta R.T. 0.15 min

Lab File: BF108118.D

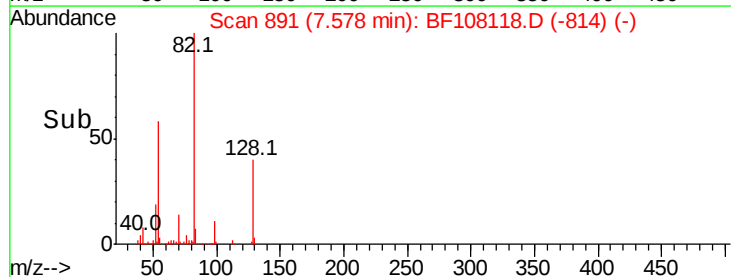
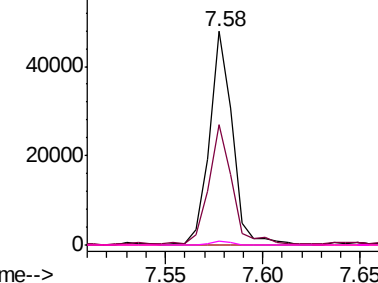
Acq: 13 Aug 2018 16:11

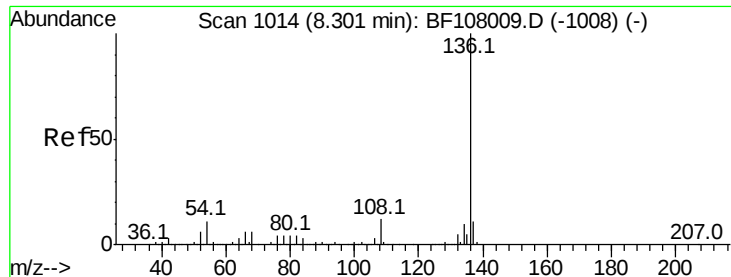
Tgt Ion: 70 Resp: 39250

Ion	Ratio	Lower	Upper
70	100		
42	56.1	47.5	71.3
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#



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

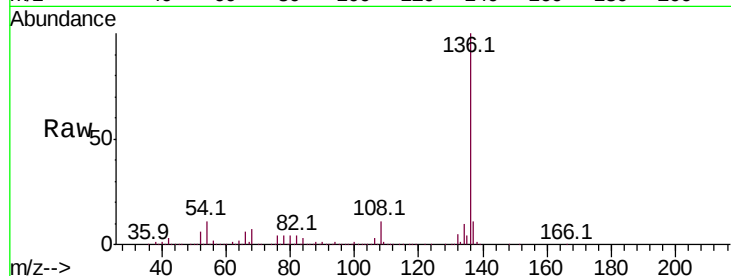




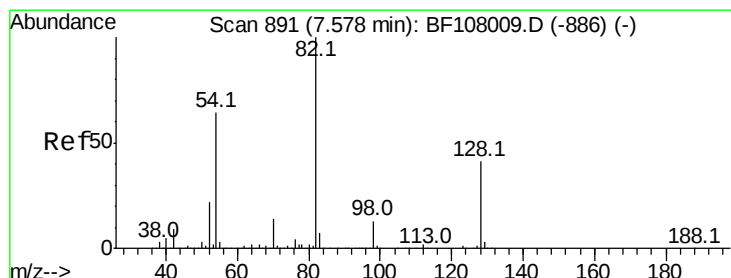
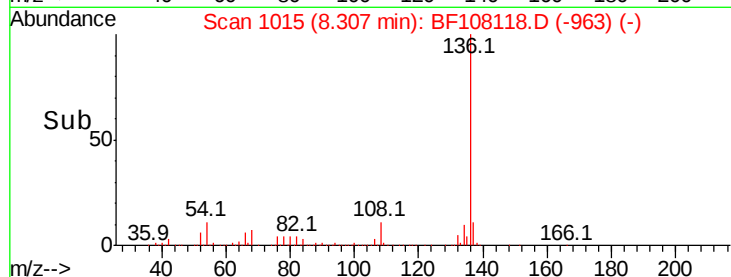
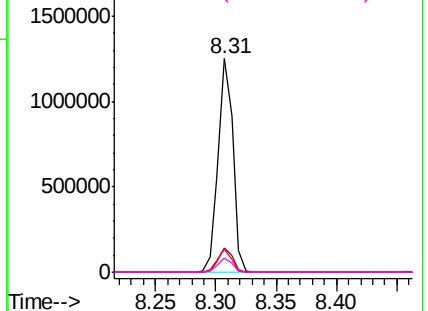
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	1043176
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.9	6.6	9.8#
68	6.6	5.0	7.4

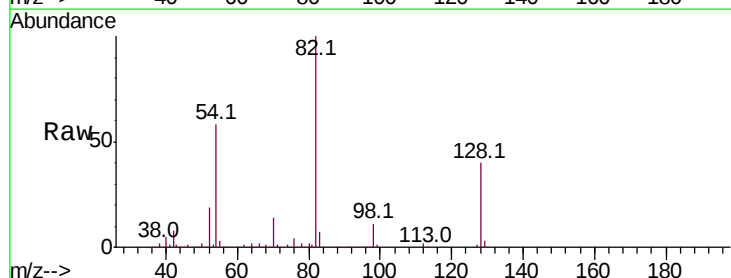


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

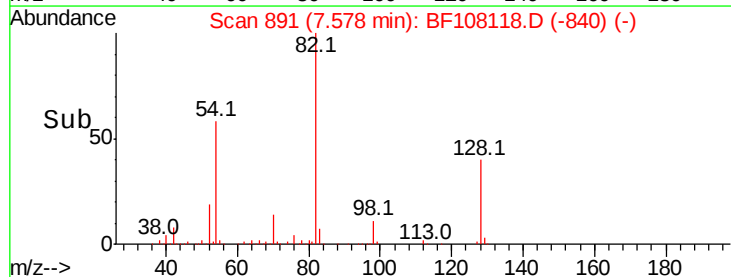
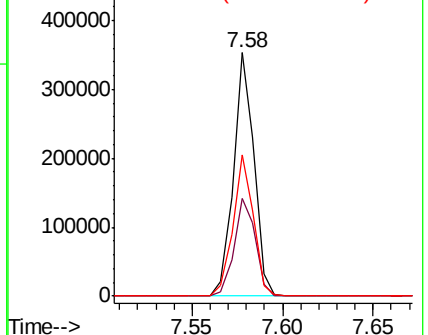


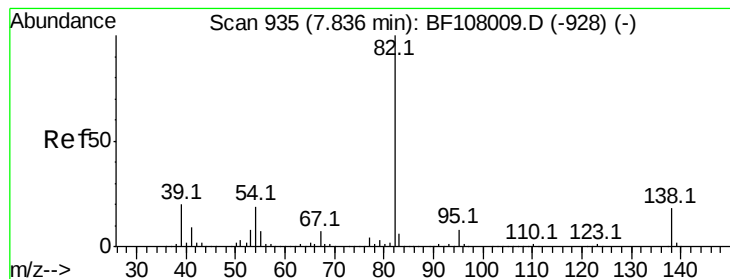
#23
Nitrobenzene-d5
Concen: 14.936 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:	82	Resp:	279223
Ion	Ratio	Lower	Upper
82	100		
128	40.0	36.1	54.1
54	58.2	41.4	62.2



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





#25

Isophorone

Concen: 7.836 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

Instrument :

BNA_F

ClientSampleId :

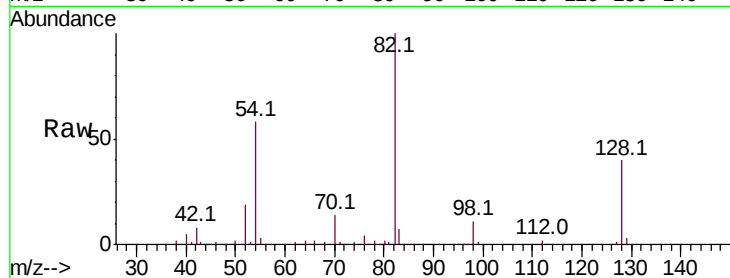
Tot Ion: 82 Resp: 279219

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

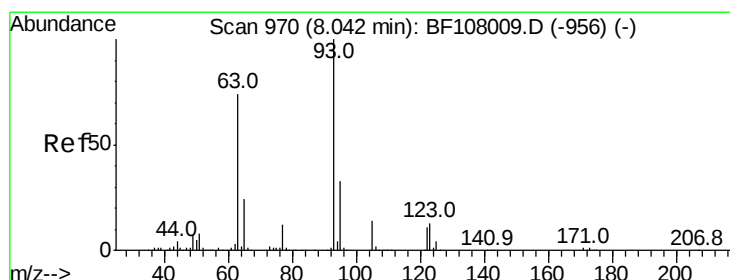
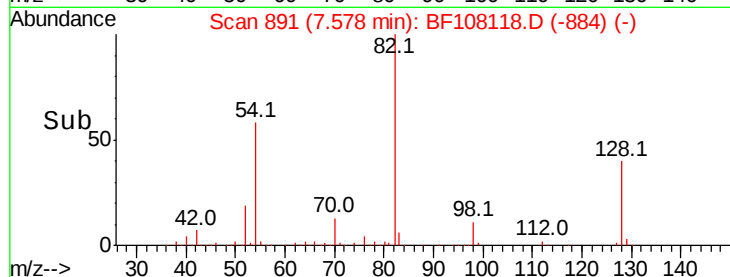
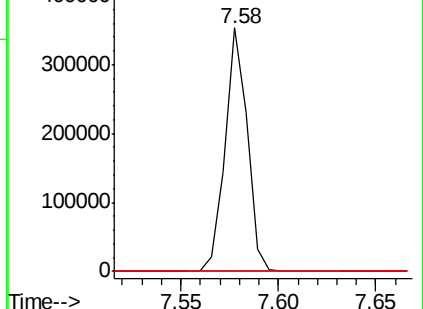
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 5.989 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.26 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

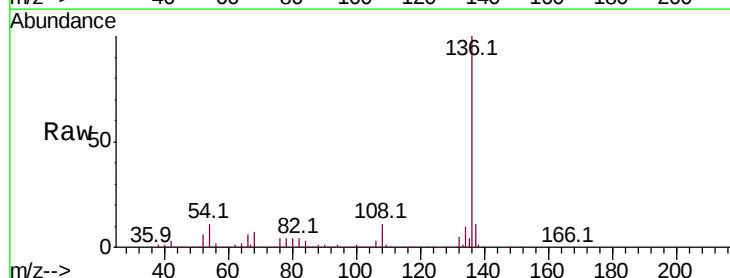
Tgt Ion: 122 Resp: 156

Ion Ratio Lower Upper

122 100

105 346.9 101.1 141.1#

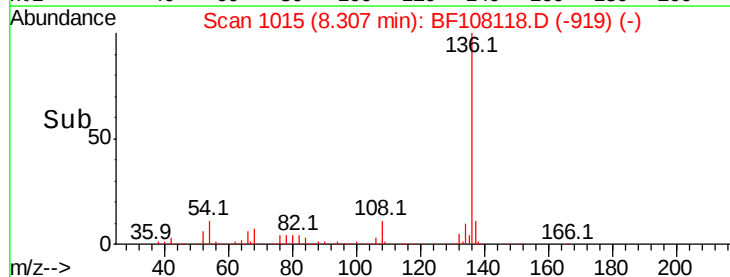
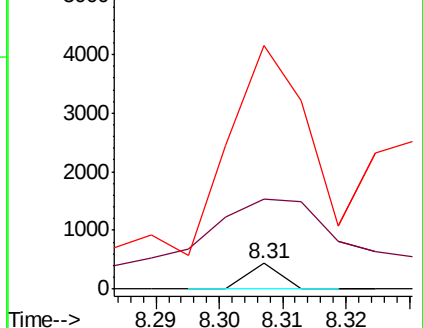
77 941.3 70.7 110.7#

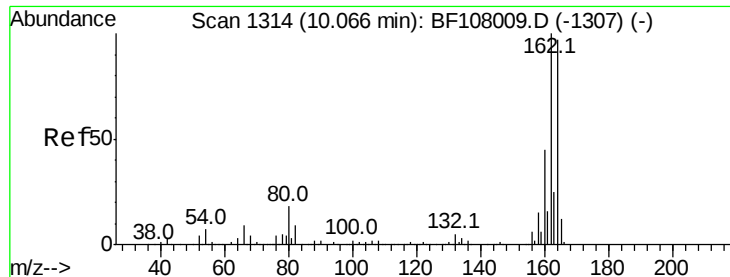


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

Instrument :

BNA_F

ClientSampleId :

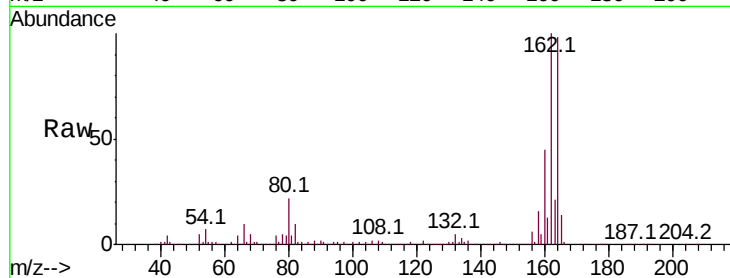
Tot Ion:164 Resp: 491757

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

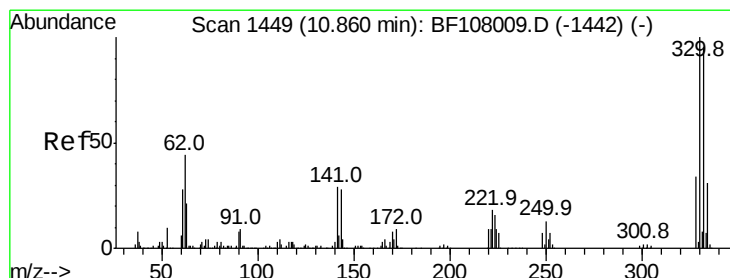
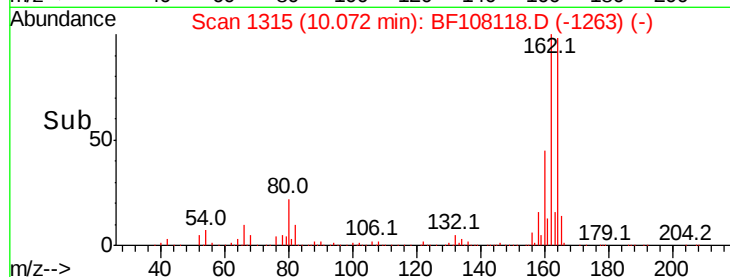
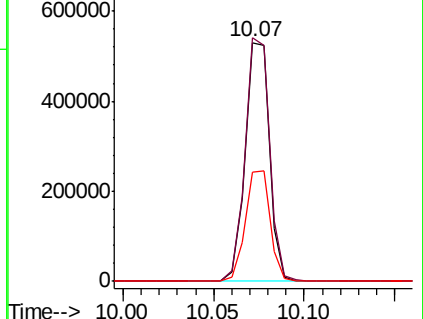
160 45.8 38.3 57.5



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: 19.428 ng

RT: 10.87 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

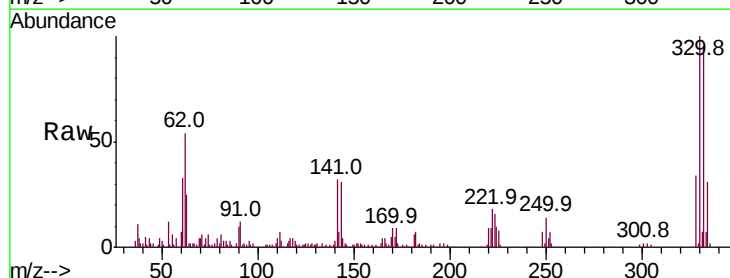
Tgt Ion:330 Resp: 95298

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

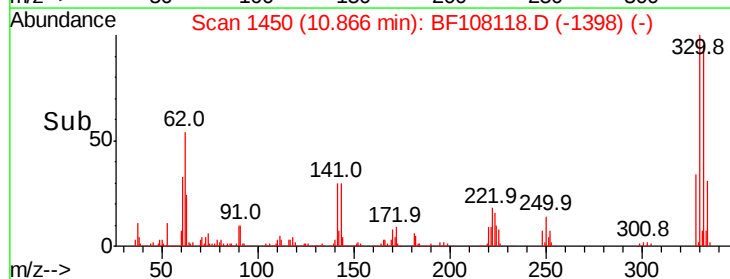
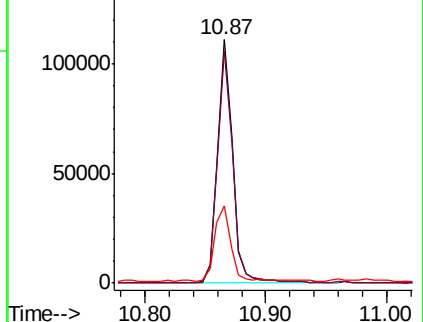
141 33.1 29.9 44.9

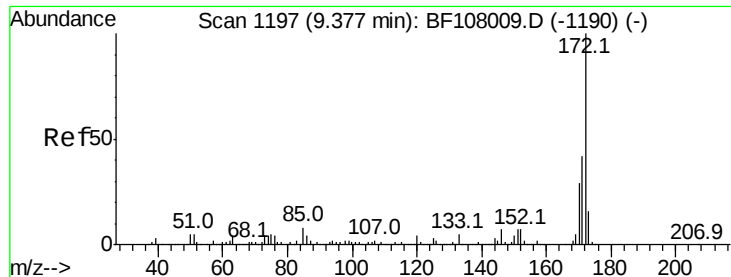


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

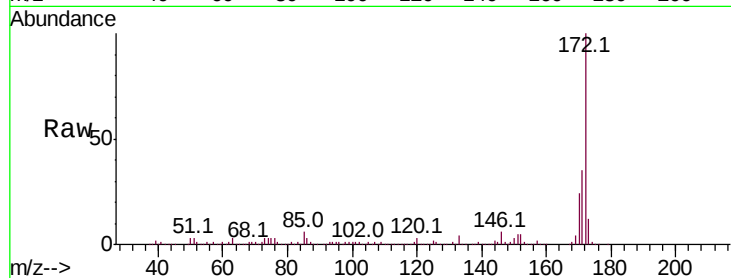




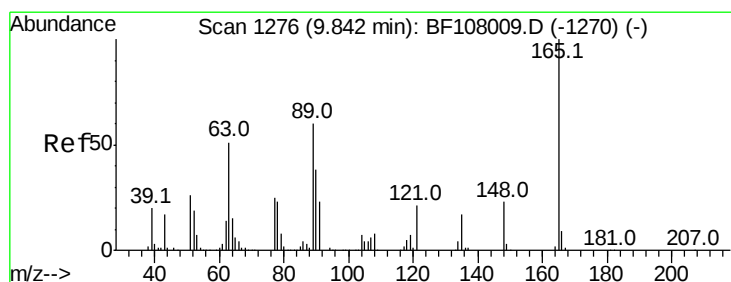
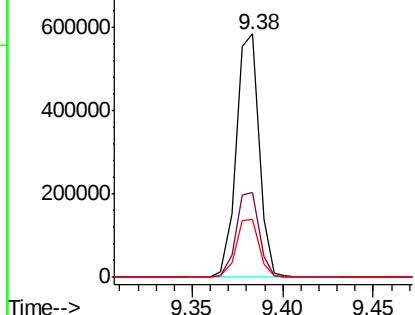
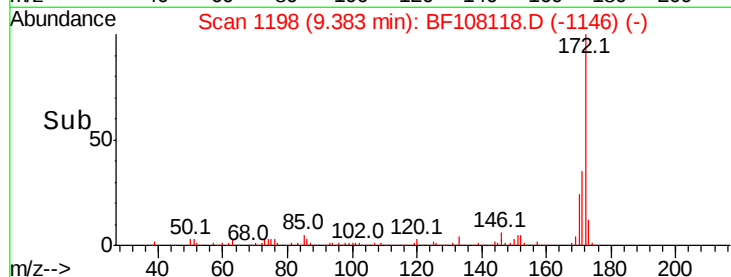
#44
2-Fluorobiphenyl
Concen: 16.861 ng
RT: 9.38 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.8	19.6	29.4

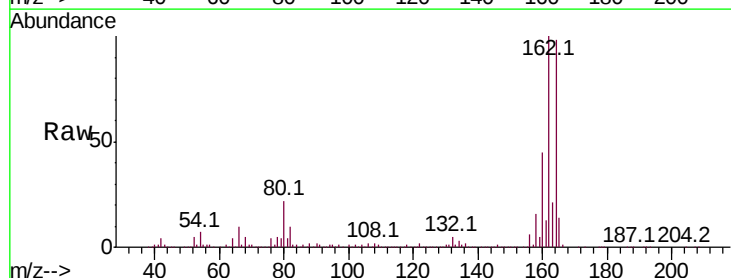


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

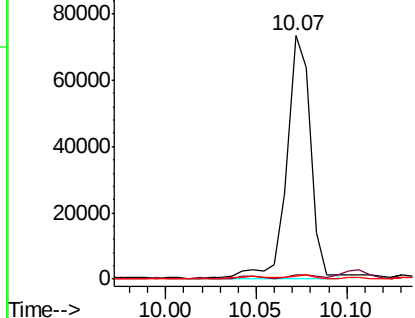
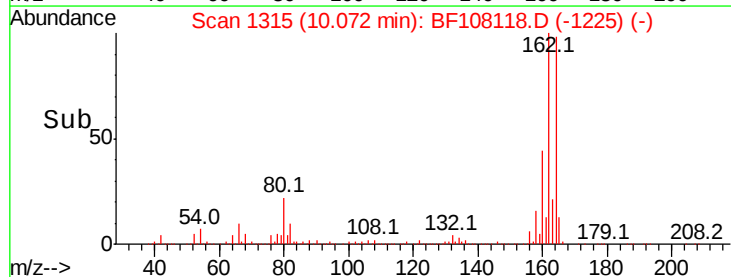


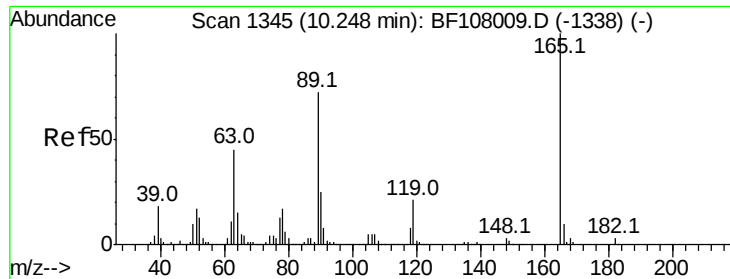
#50
2,6-Dinitrotoluene
Concen: 9.559 ng
RT: 10.07 min Scan# 1315
Delta R.T. 0.23 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	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

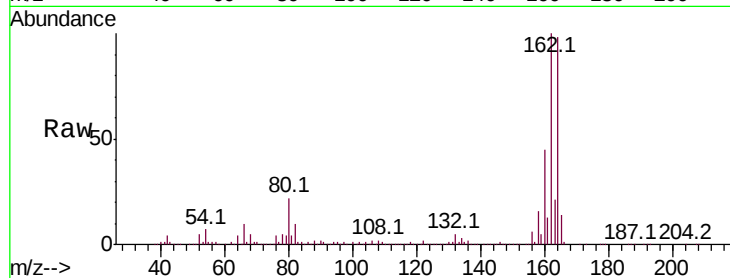




#56
 2,4-Dinitrotoluene
 Concen: 7.426 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. -0.18 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

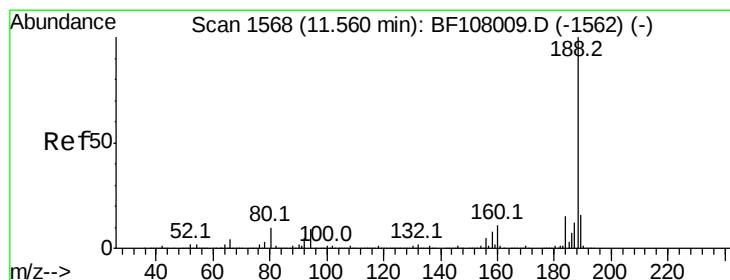
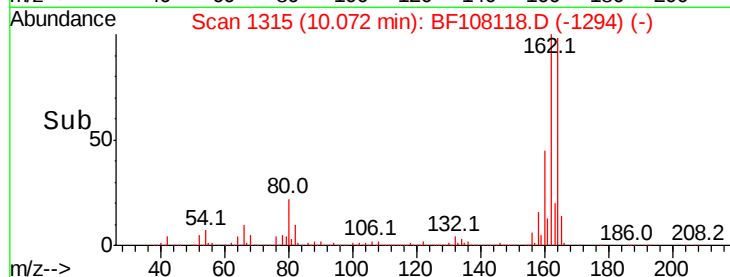
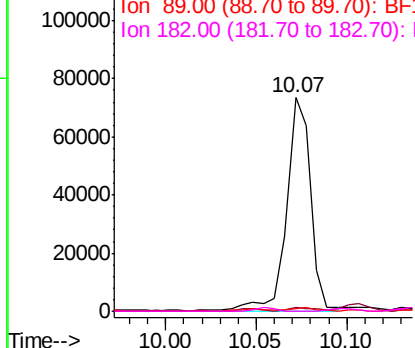


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

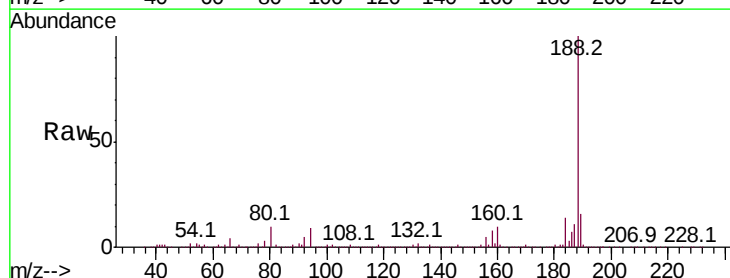
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

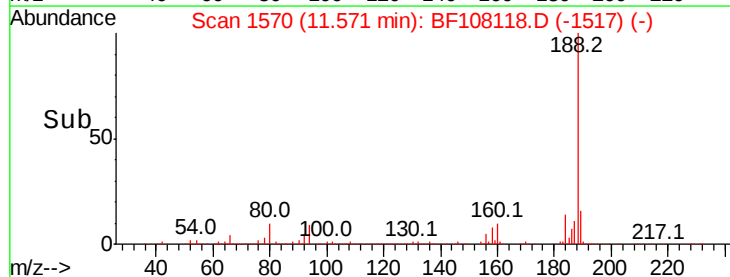
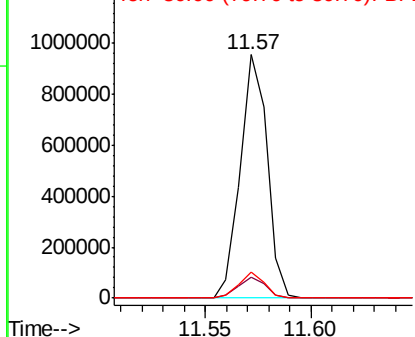
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	10.5	9.2	13.8

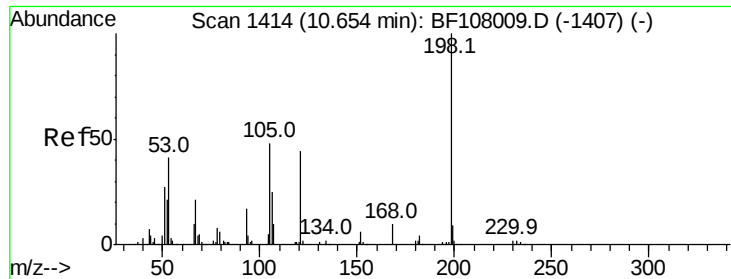


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

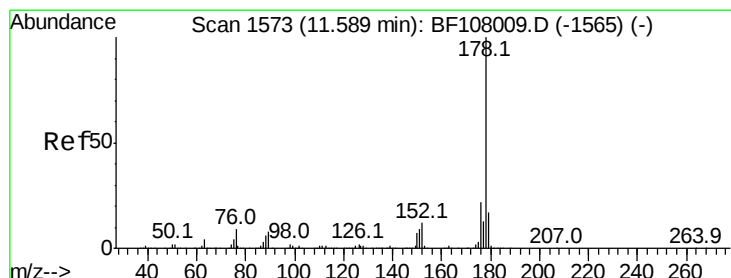
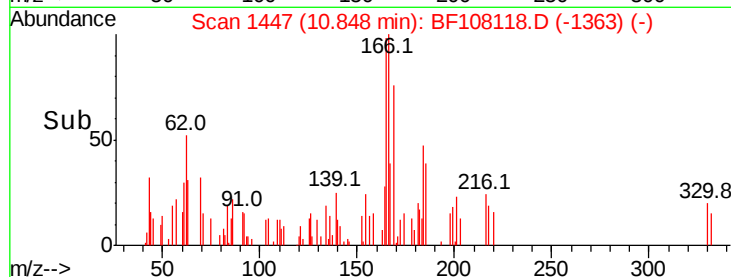
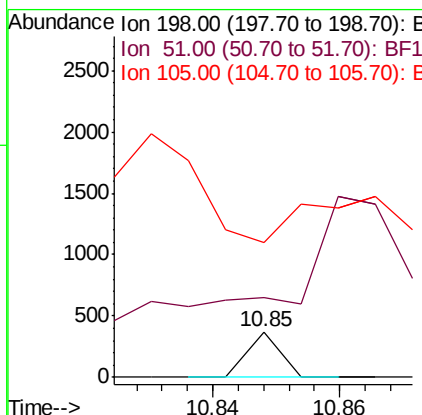
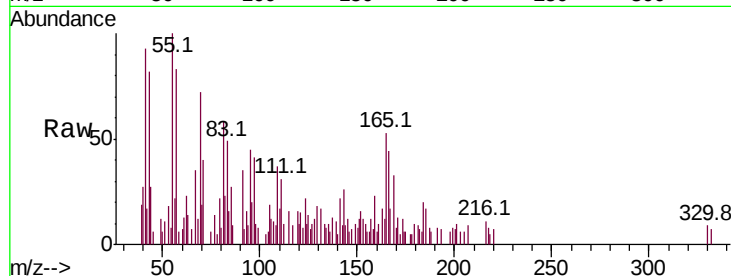




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.395 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

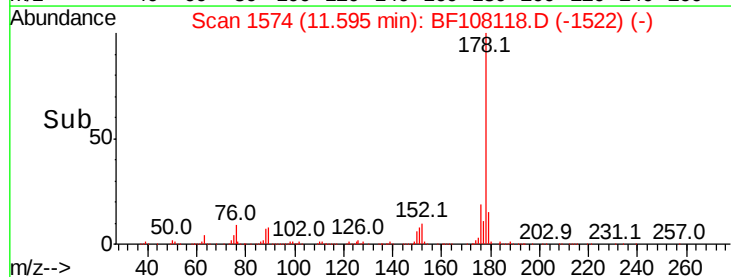
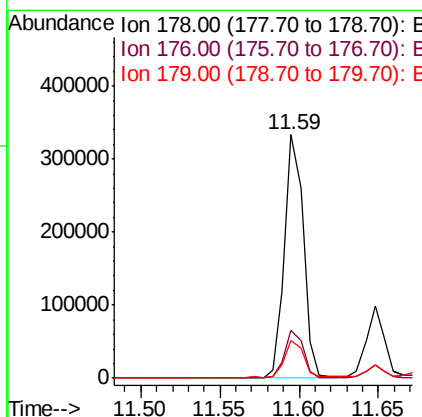
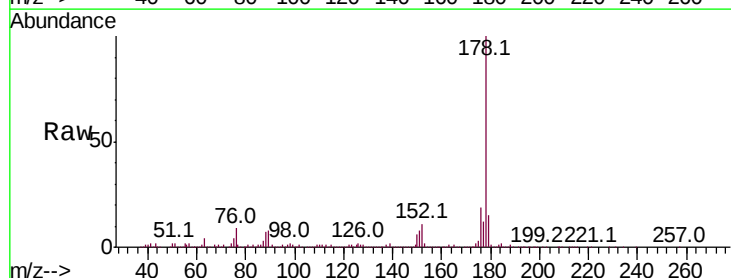
Instrument :
 BNA_F
 ClientSampleId :

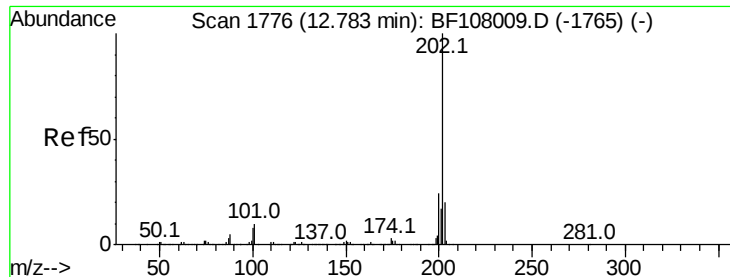
Tot Ion:198 Resp: 131
 Ion Ratio Lower Upper
 198 100
 51 176.3 37.7 77.7#
 105 295.4 36.3 76.3#



#70
 Phenanthrene
 Concen: 6.932 ng
 RT: 11.59 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

Tgt Ion:178 Resp: 275180
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.3 13.0 19.6





#74

Fluoranthene

Concen: 7.181 ng

RT: 12.79 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF108118.D

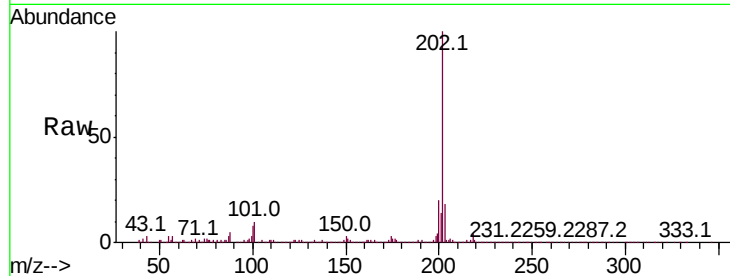
Acq: 13 Aug 2018 16:11

Instrument :

BNA_F

ClientSampleId :

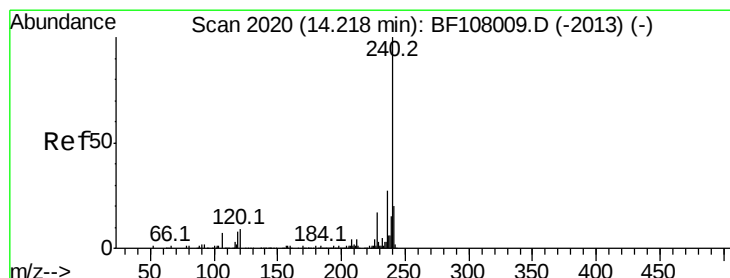
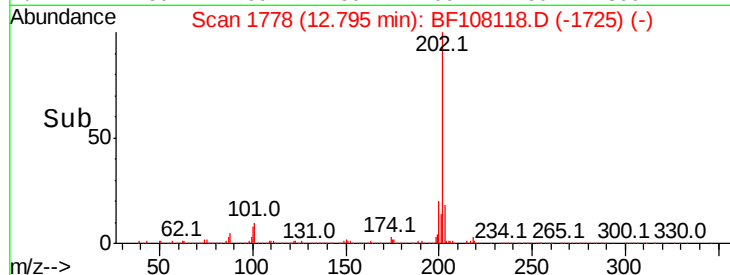
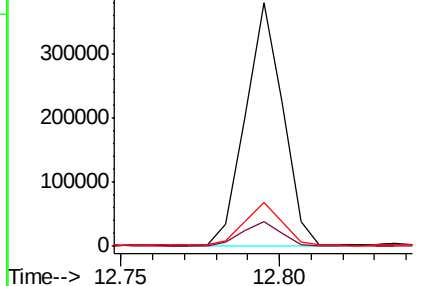
Tot Ion:	202	Resp:	311108
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	34.1
203	18.0	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

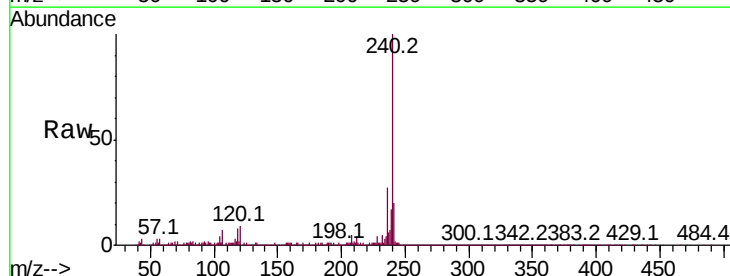
RT: 14.24 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

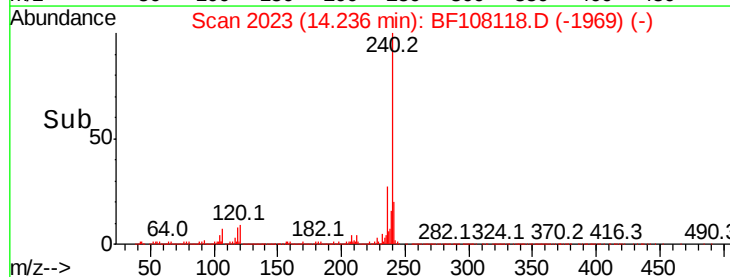
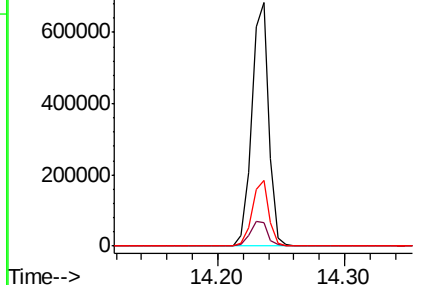
Tgt Ion:	240	Resp:	638859
Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	26.9	20.7	31.1

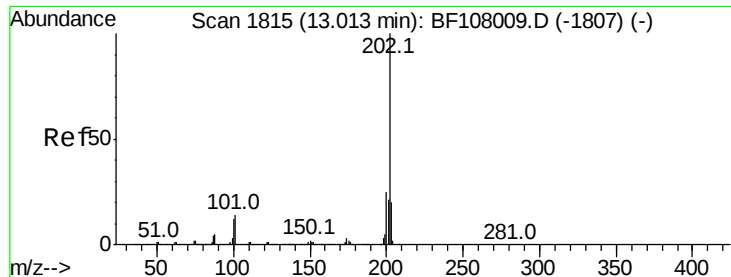


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.448 ng

RT: 13.03 min Scan# 1818

Delta R.T. 0.02 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

Instrument :

BNA_F

ClientSampleId :

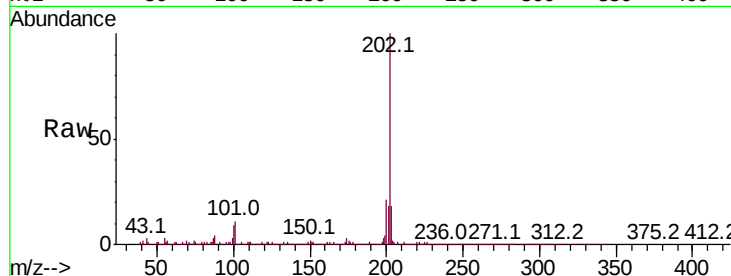
Tot Ion:202 Resp: 382147

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

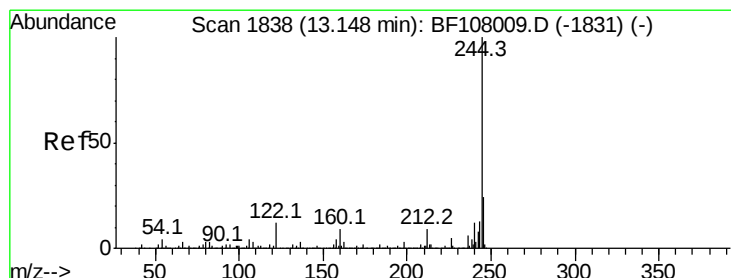
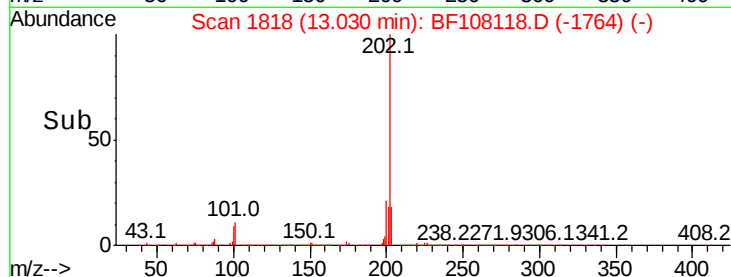
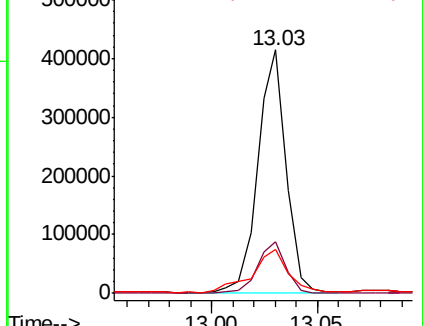
203 18.1 14.3 21.5



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: 16.892 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

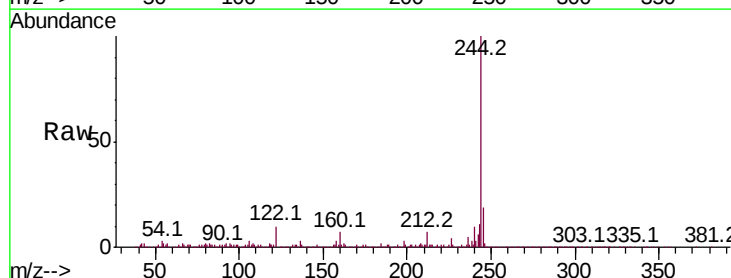
Tgt Ion:244 Resp: 424438

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

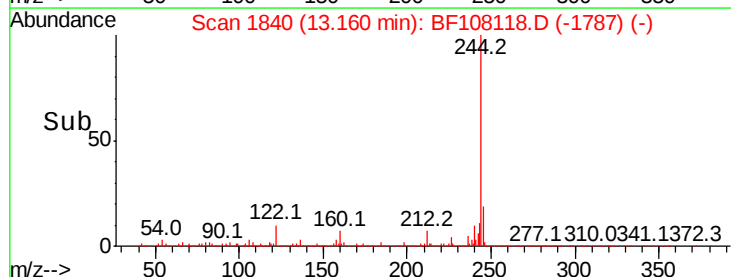
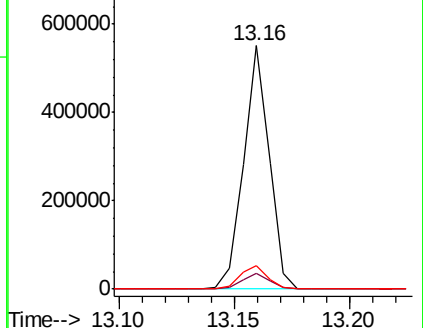
122 9.7 11.0 16.4#

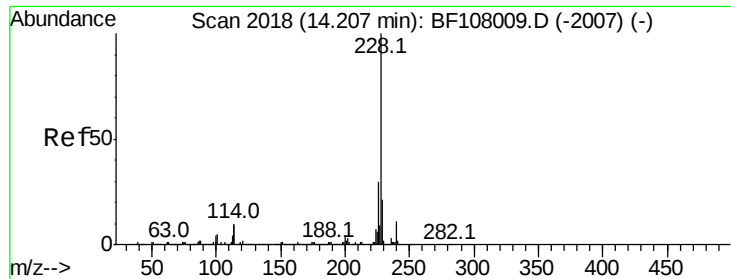


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

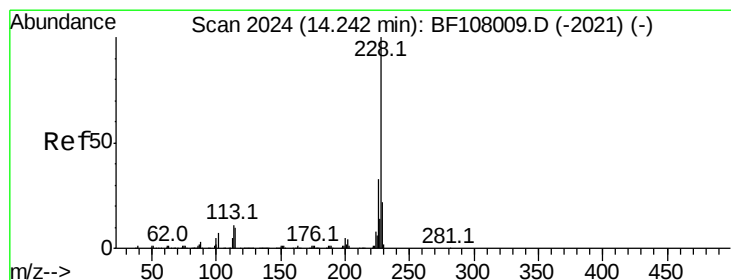
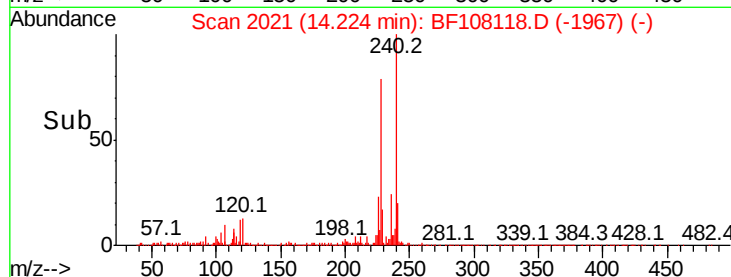
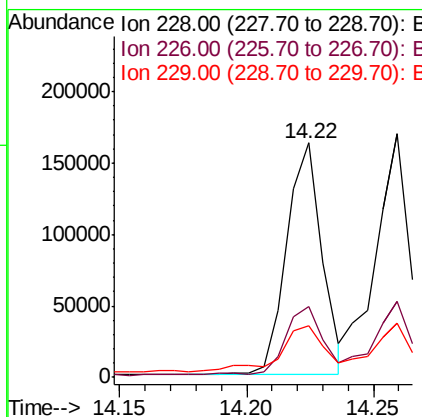
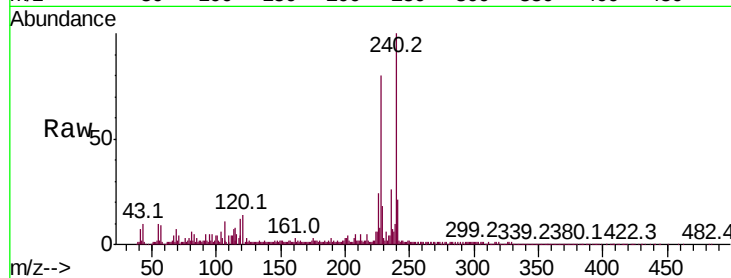




#80
Benzo(a)anthracene
Concen: 4.261 ng
RT: 14.22 min Scan# 2021
Delta R.T. 0.02 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

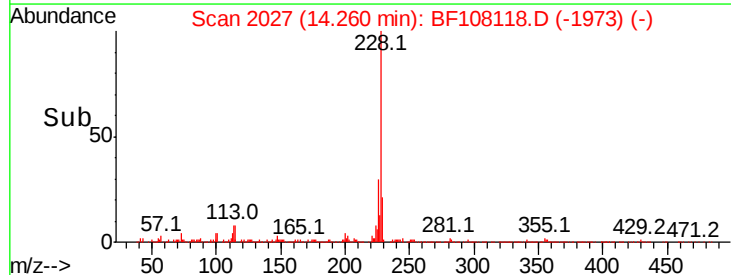
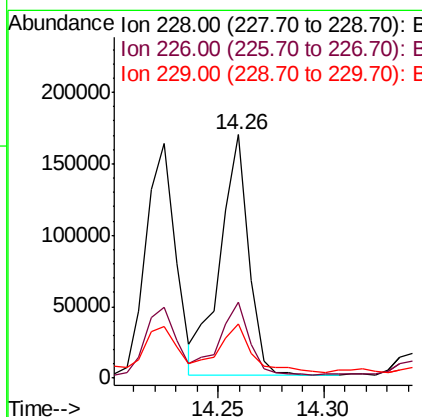
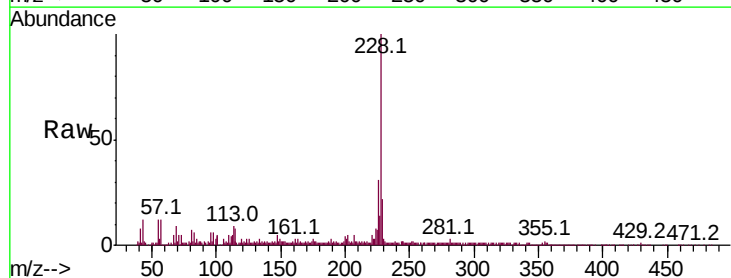
Instrument :
BNA_F
ClientSampleId :

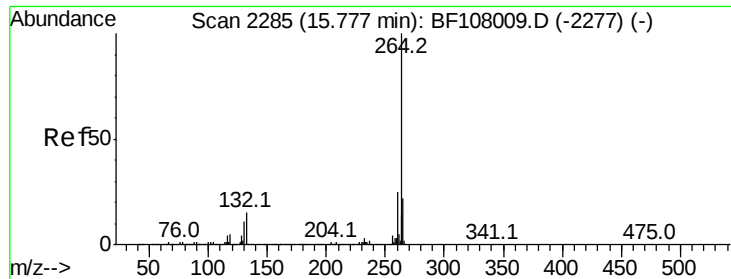
Tot Ion:228 Resp: 156229
Ion Ratio Lower Upper
228 100
226 30.3 22.6 33.8
229 22.1 15.8 23.6



#82
Chrysene
Concen: 4.683 ng
RT: 14.26 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion:228 Resp: 157416
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 22.1 16.2 24.4

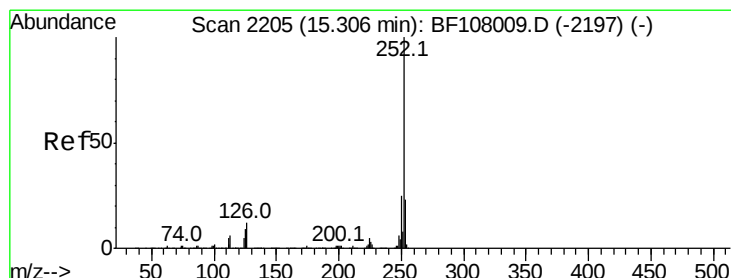
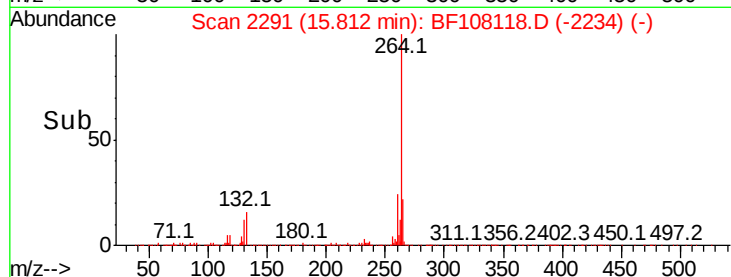
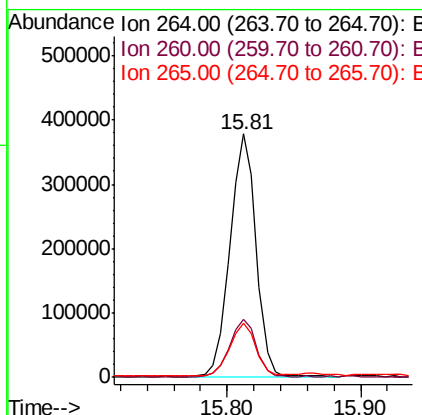
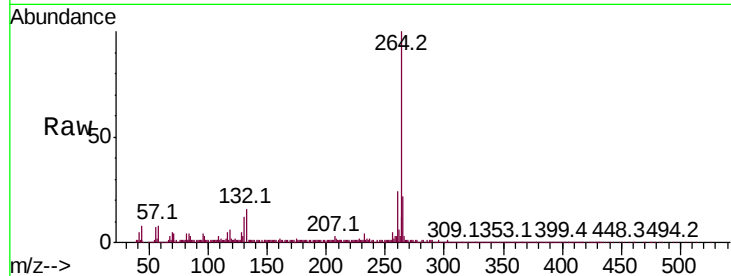




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2291
Delta R.T. 0.04 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

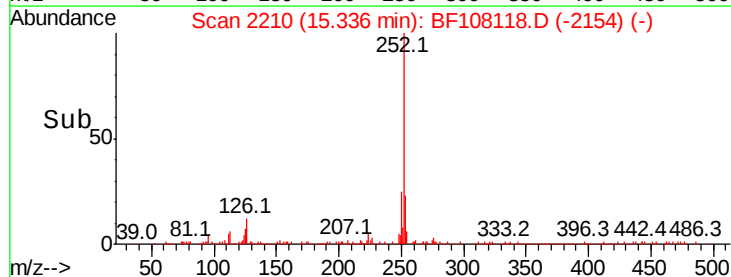
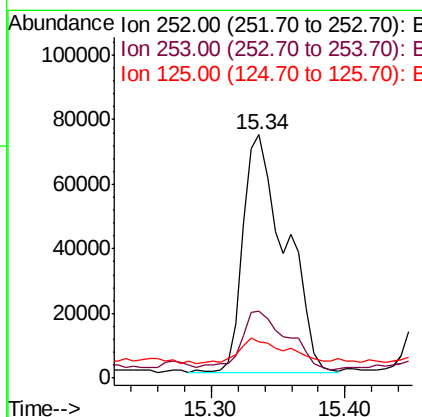
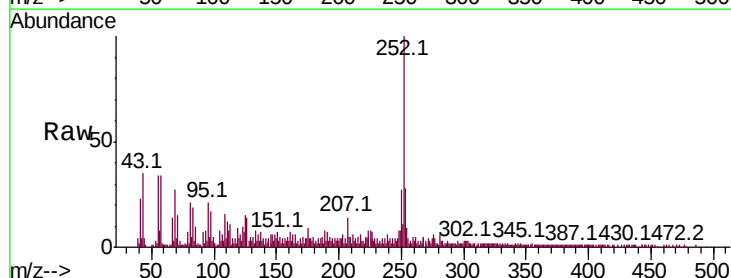
Instrument :
BNA_F
ClientSampleId :

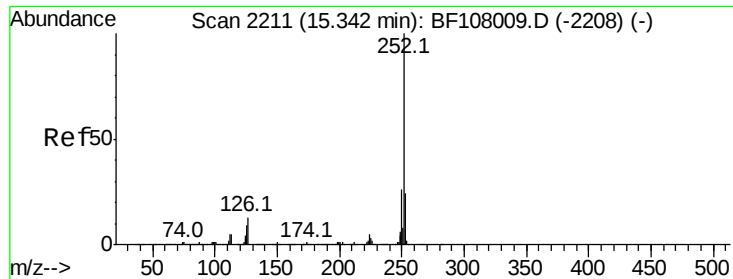
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 5.351 ng
RT: 15.34 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.0	25.6#
125	14.6	9.0	13.6#

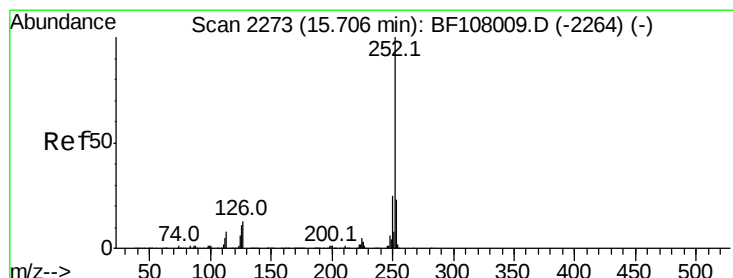
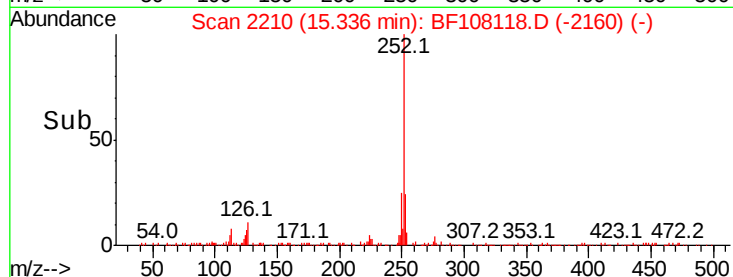
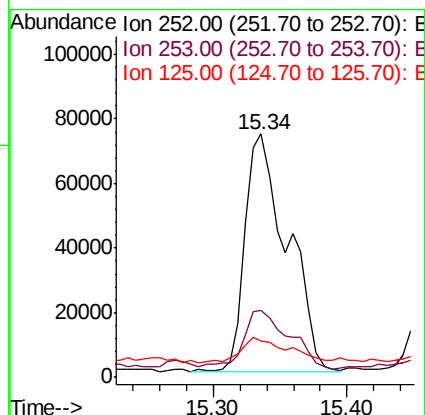
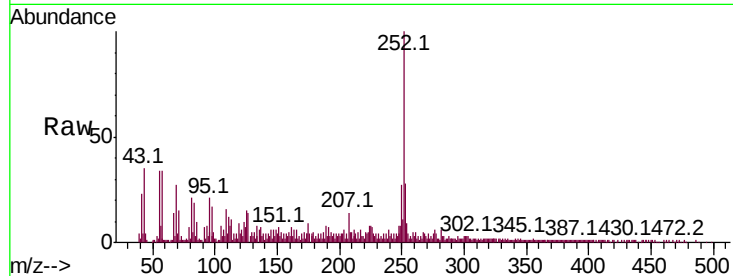




#88
Benzo(k)fluoranthene
Concen: 5.821 ng
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.9	26.9#
125	14.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.715 ng
RT: 15.74 min Scan# 2279
Delta R.T. 0.04 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	16.6	9.8	14.6#

