

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080918\
 Data File : BF108062.D
 Acq On : 9 Aug 2018 19:39
 Operator : JU/SJ
 Sample : J4388-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2A

Quant Time: Aug 10 01:10:18 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	270787	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	954038	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	419031	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	661180	20.00	ng	0.00
75) Chrysene-d12	14.21	240	627494	20.00	ng	0.00
86) Perylene-d12	15.78	264	467833	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	1593850	106.56	ng	0.01
7) Phenol-d6	6.63	99	2140247	107.68	ng	0.00
23) Nitrobenzene-d5	7.58	82	1371539	80.22	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	400437	95.80	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2069040	79.27	ng	0.00
78) Terphenyl-d14	13.15	244	1718503	69.63	ng	0.00

Target Compounds

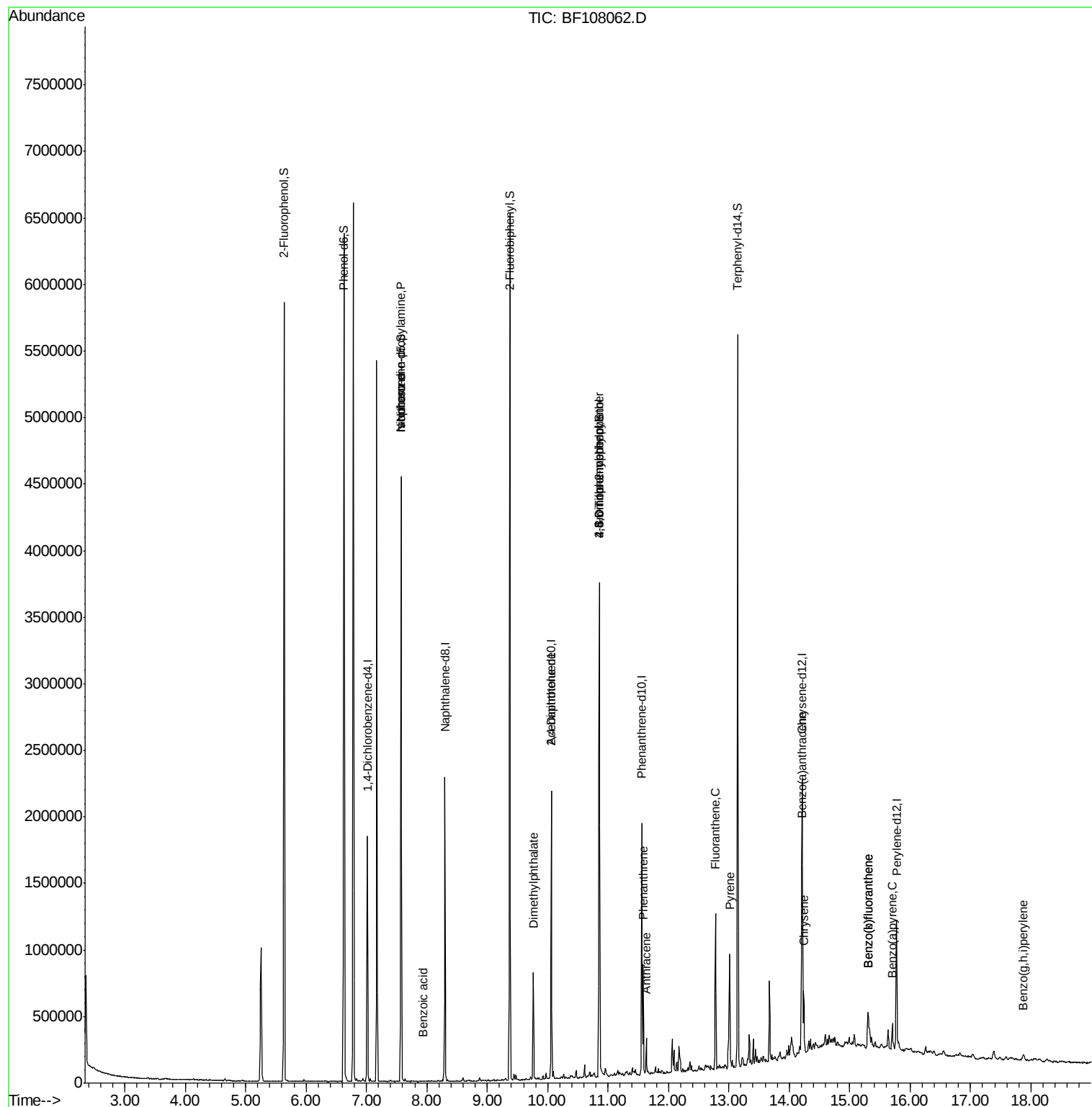
						Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	189851	14.125	ng	# 84
25) Isophorone	7.58	82	1371502	42.087	ng	# 64
32) Benzoic acid	7.93	122	372	6.013	ng	# 1
49) Dimethylphthalate	9.77	163	296878	10.171	ng	99
56) 2,4-Dinitrotoluene	10.06	165	56049	7.130	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	877	5.672	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	27272	3.796	ng	# 1
70) Phenanthrene	11.58	178	290418	9.313	ng	99
71) Anthracene	11.63	178	101647	3.180	ng	97
74) Fluoranthene	12.78	202	417421	12.264	ng	96
77) Pyrene	13.01	202	352337	8.869	ng	99
80) Benzo(a)anthracene	14.20	228	199033	5.527	ng	99
82) Chrysene	14.24	228	171050	5.181	ng	96
87) Benzo(b)fluoranthene	15.30	252	217331	7.774	ng	99
88) Benzo(k)fluoranthene	15.30	252	217331	8.457	ng	97
89) Benzo(a)pyrene	15.71	252	107705	4.303	ng	98
91) Benzo(g,h,i)perylene	17.88	276	41786	2.049	ng	# 87

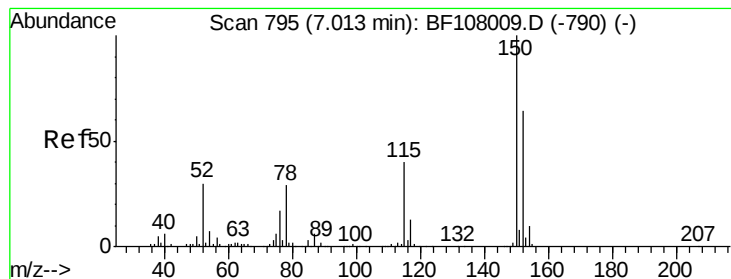
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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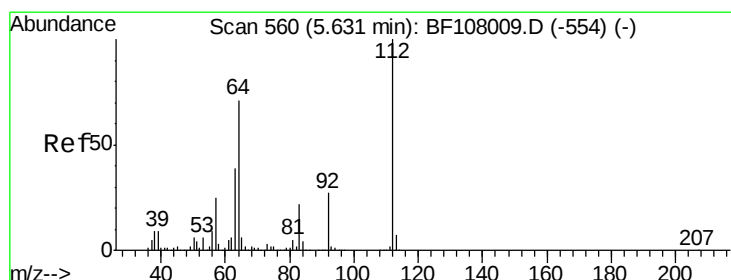
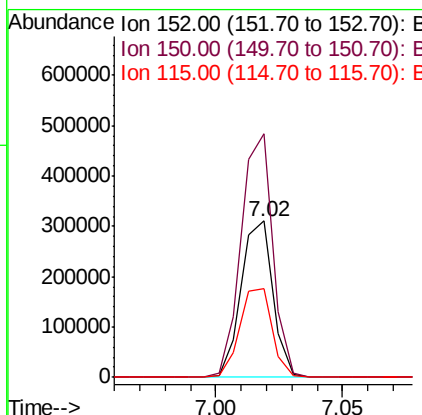
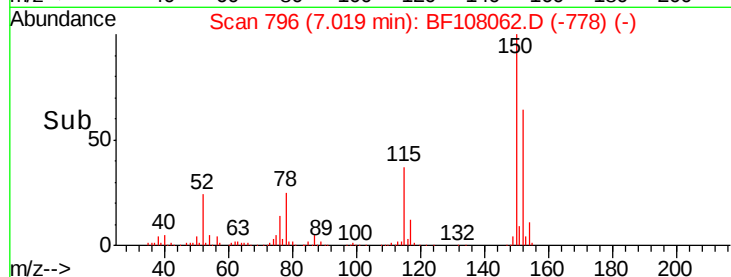
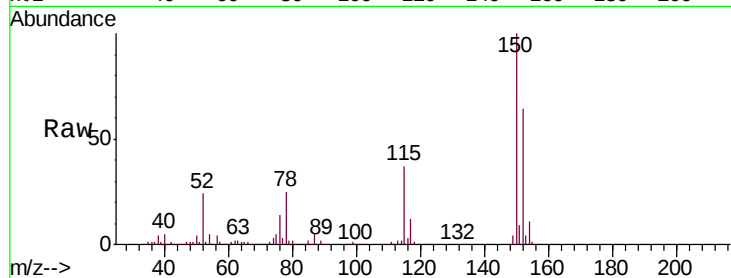


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Instrument :
BNA_F
ClientSampleId :
S-2A

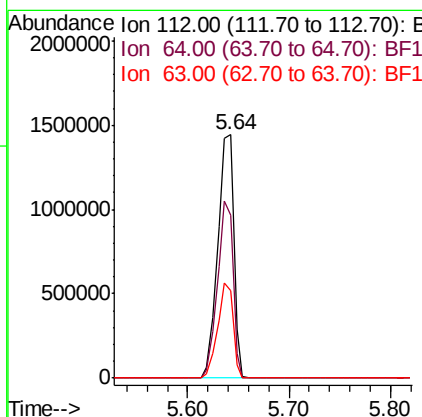
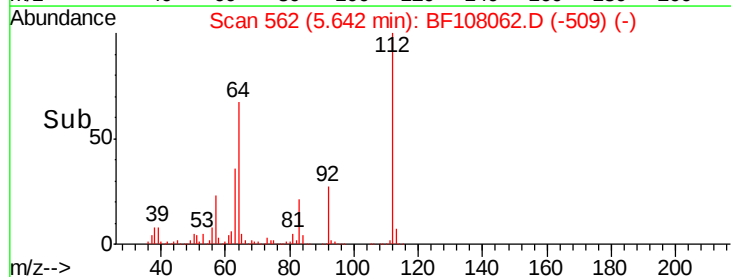
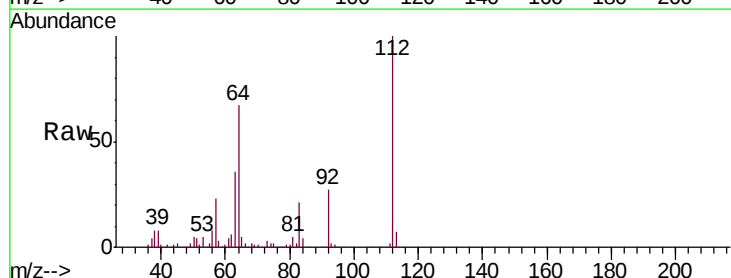
Tgt Ion:152 Resp: 270787
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 56.9 50.1 75.1



#5

2-Fluorophenol
Concen: 106.563 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion:112 Resp: 1593850
Ion Ratio Lower Upper
112 100
64 66.9 47.9 71.9
63 35.9 23.7 35.5#





#7

Phenol-d6

Concen: 107.682 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Instrument :

BNA_F

ClientSampleId :

S-2A

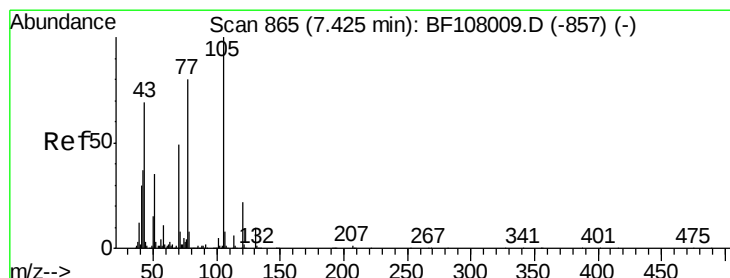
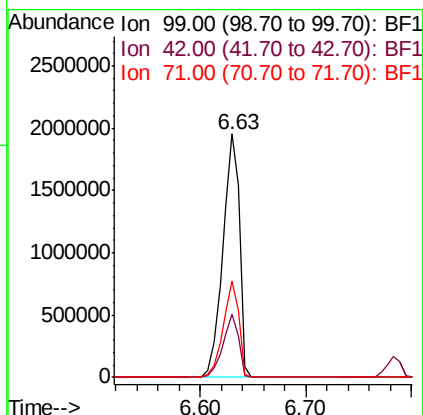
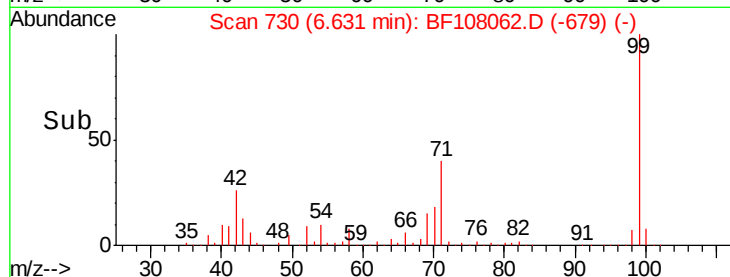
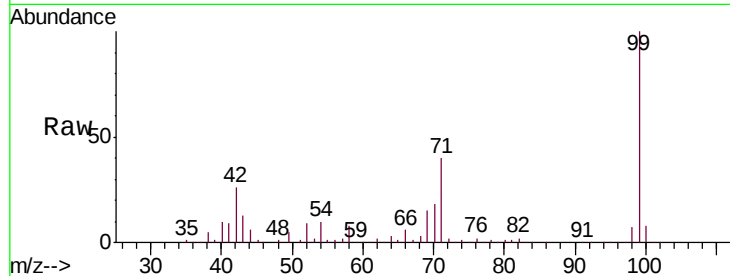
Tgt Ion: 99 Resp: 2140247

Ion Ratio Lower Upper

99 100

42 26.1 14.5 21.7#

71 39.6 25.4 38.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.125 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Tgt Ion: 70 Resp: 189851

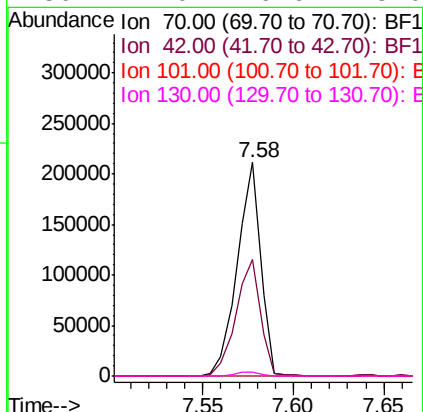
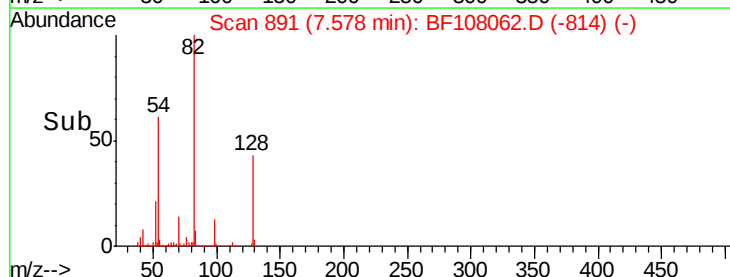
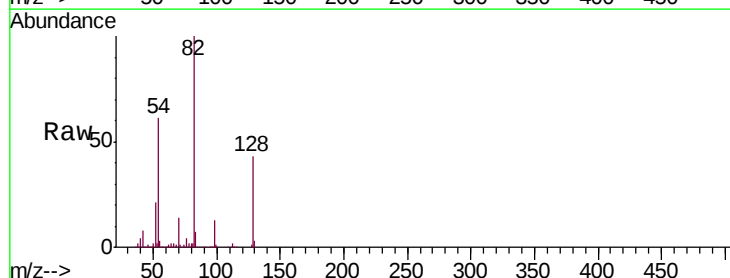
Ion Ratio Lower Upper

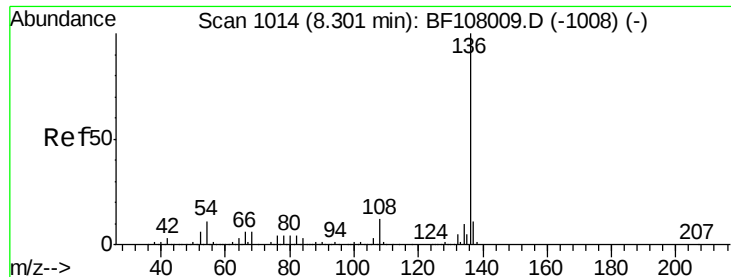
70 100

42 54.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

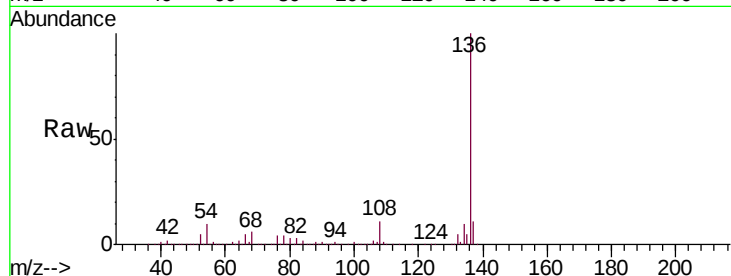




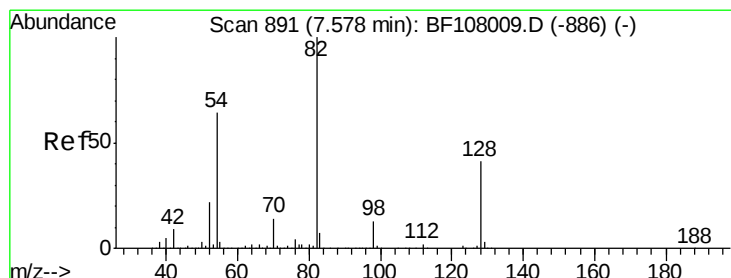
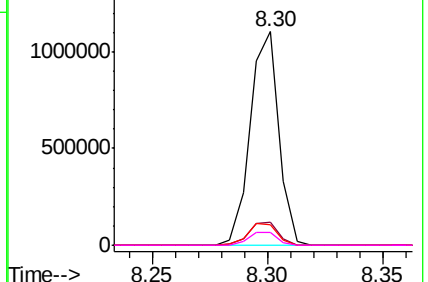
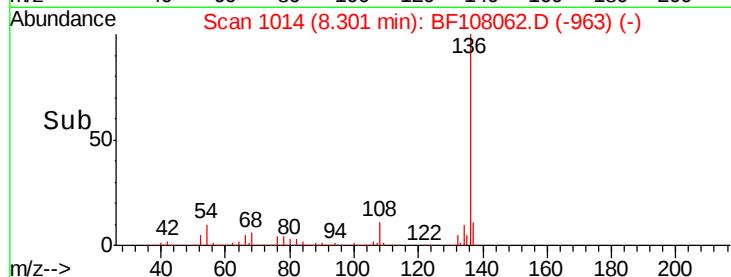
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Instrument :
BNA_F
ClientSampleId :
S-2A

Tgt Ion:	136	Resp:	954038
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.6	6.6	9.8
68	6.0	5.0	7.4

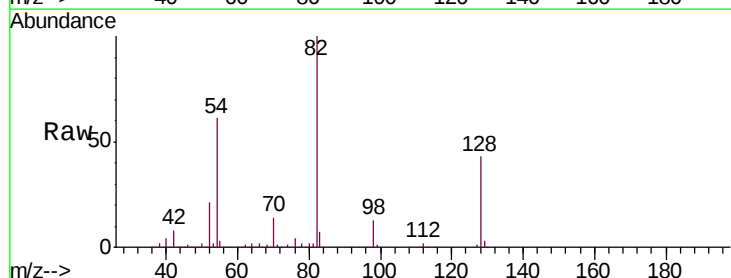


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

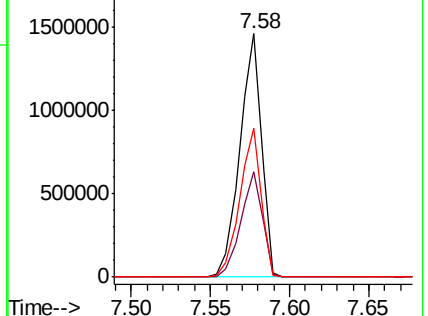
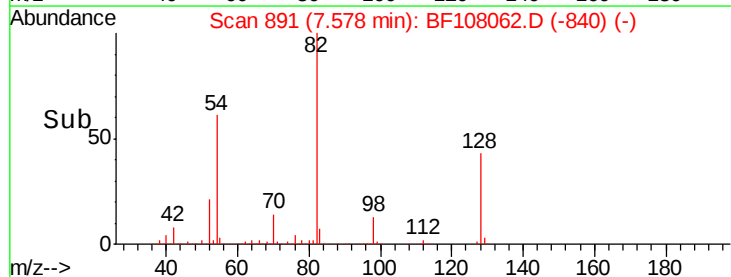


#23
Nitrobenzene-d5
Concen: 80.221 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion:	82	Resp:	1371539
Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	61.2	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: 42.087 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Instrument :

BNA_F

ClientSampleId :

S-2A

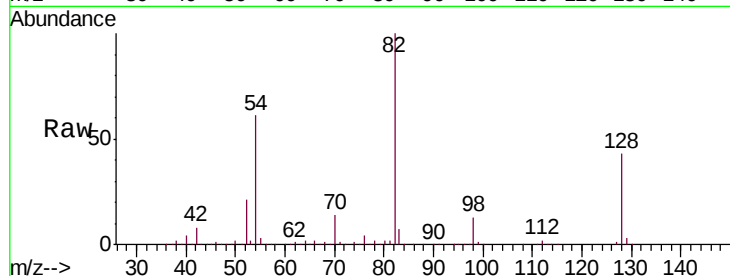
Tgt Ion: 82 Resp: 1371502

Ion Ratio Lower Upper

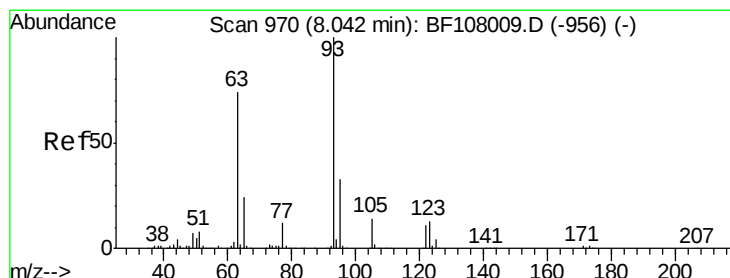
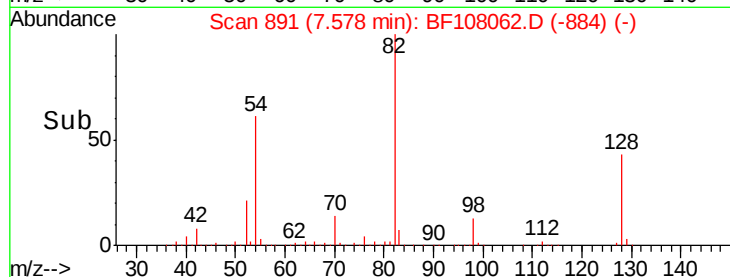
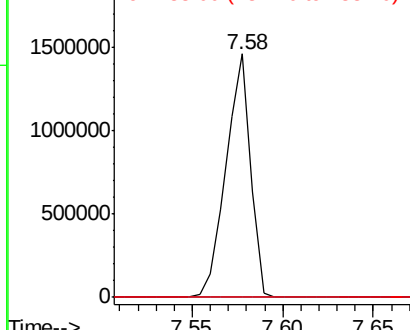
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.013 ng

RT: 7.93 min Scan# 951

Delta R.T. -0.11 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

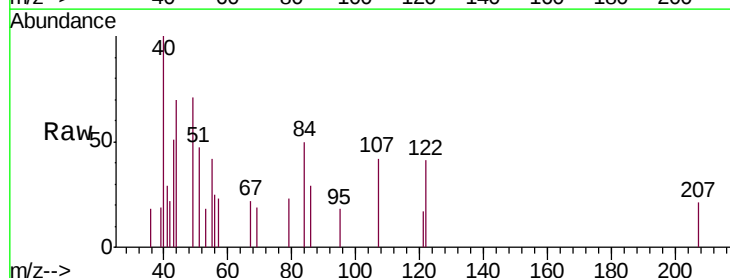
Tgt Ion: 122 Resp: 372

Ion Ratio Lower Upper

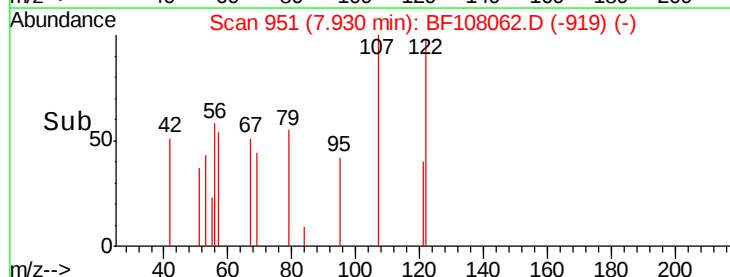
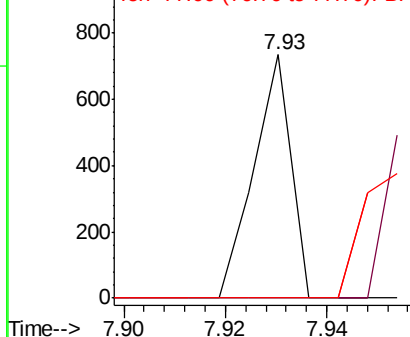
122 100

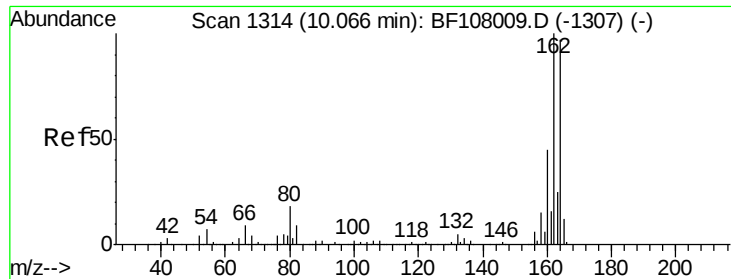
105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
1000
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

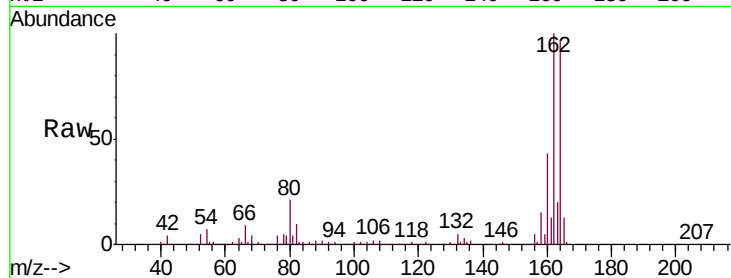




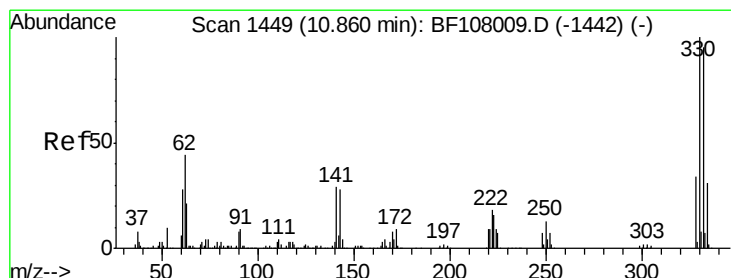
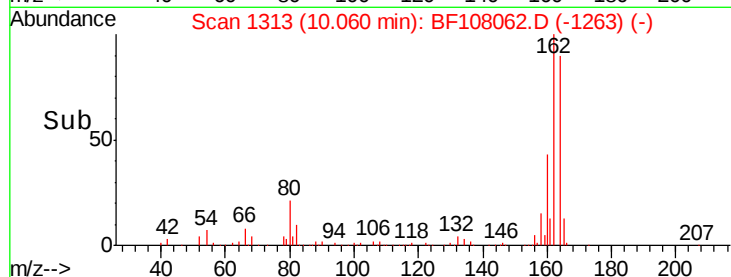
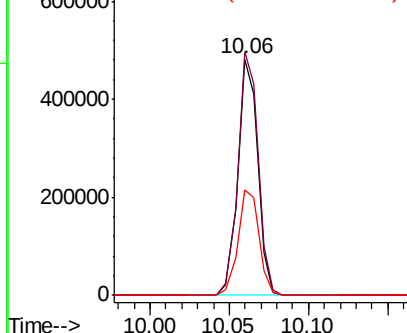
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Instrument :
 BNA_F
 ClientSampleId :
 S-2A

Tgt Ion:164 Resp: 419031
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 44.4 38.3 57.5

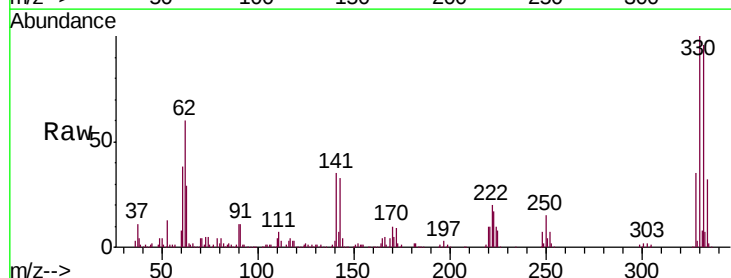


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

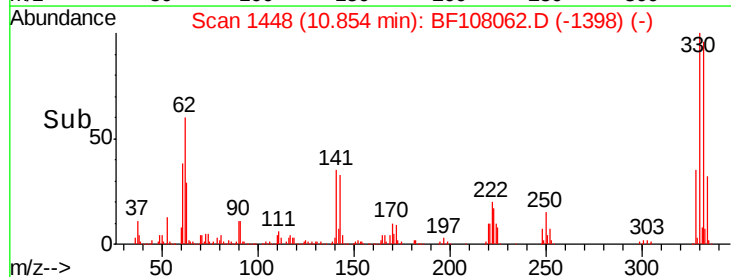
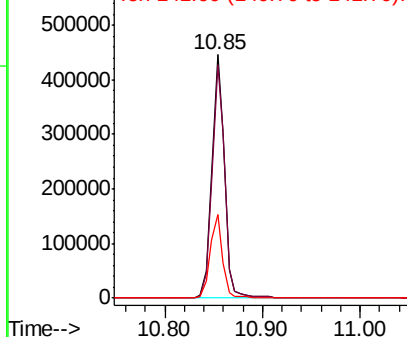


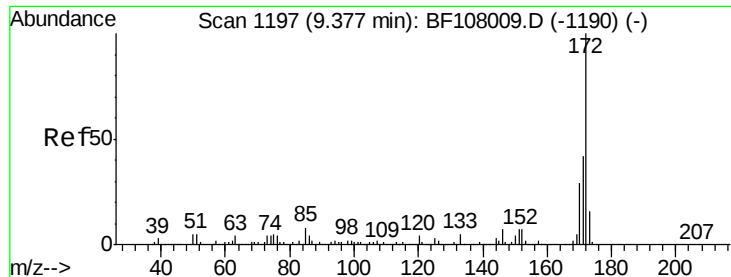
#41
 2,4,6-Tribromophenol
 Concen: 95.805 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Tgt Ion:330 Resp: 400437
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 34.0 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

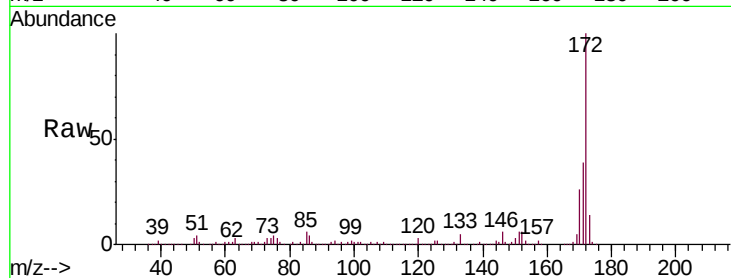




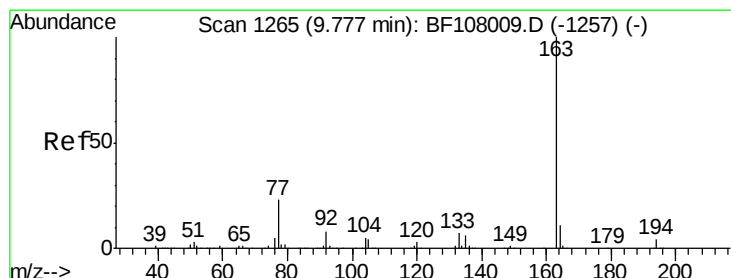
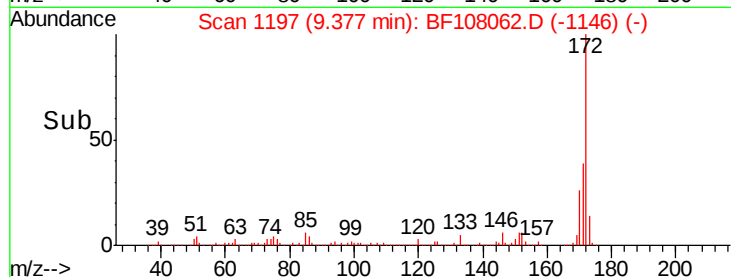
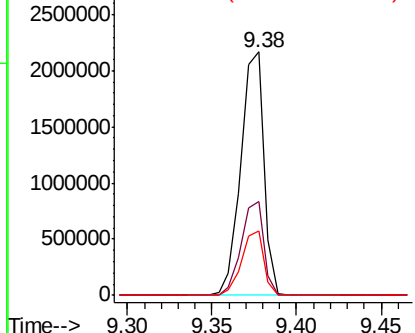
#44
2-Fluorobiphenyl
Concen: 79.273 ng
RT: 9.38 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Instrument :
BNA_F
ClientSampleId :
S-2A

Tgt Ion:172 Resp: 2069040
Ion Ratio Lower Upper
172 100
171 38.7 29.7 44.5
170 26.3 19.6 29.4

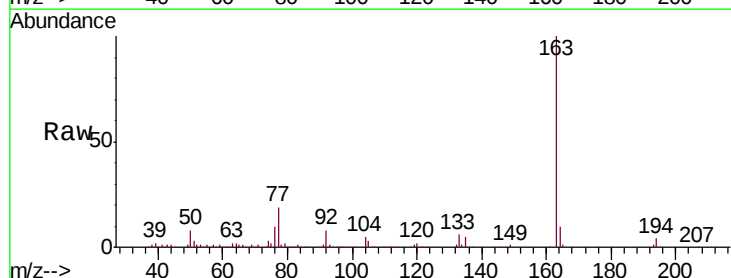


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

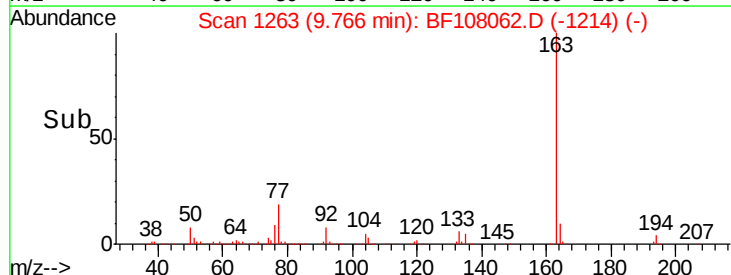
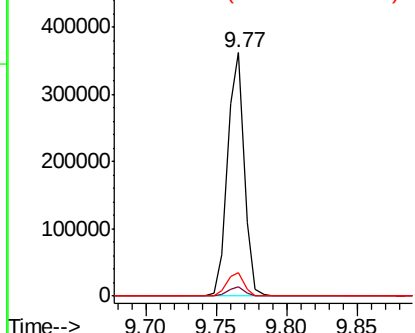


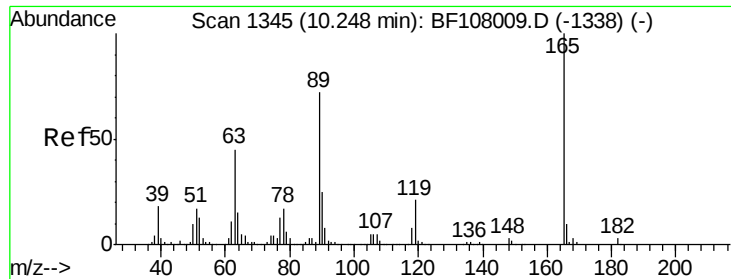
#49
Dimethylphthalate
Concen: 10.171 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion:163 Resp: 296878
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.7 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

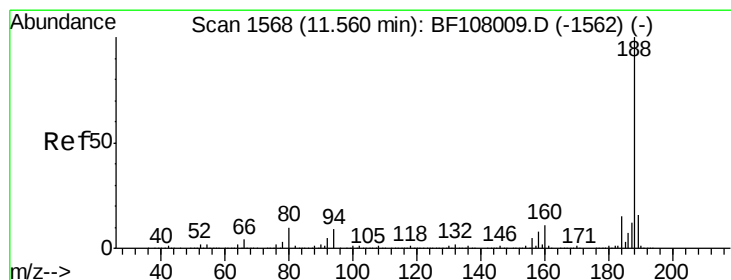
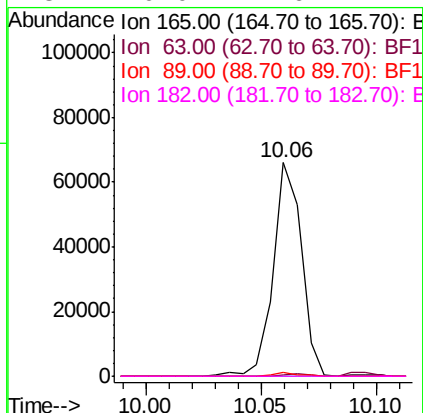
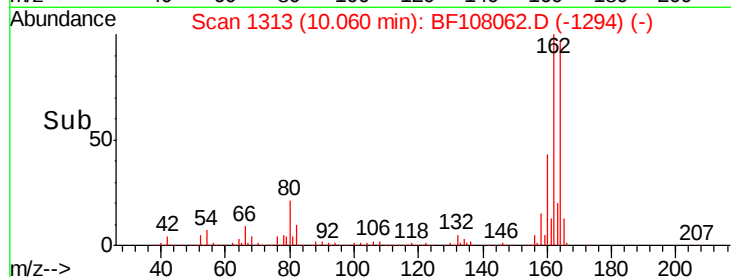
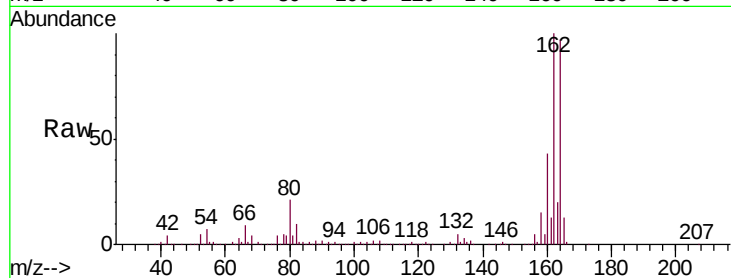




#56
2,4-Dinitrotoluene
Concen: 7.130 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

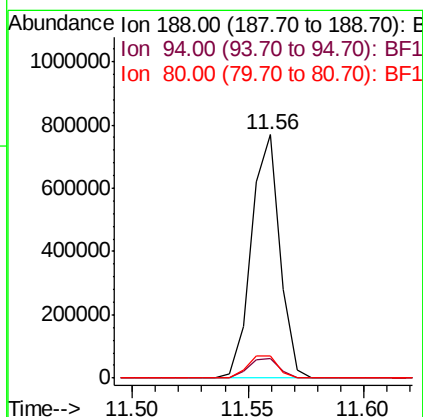
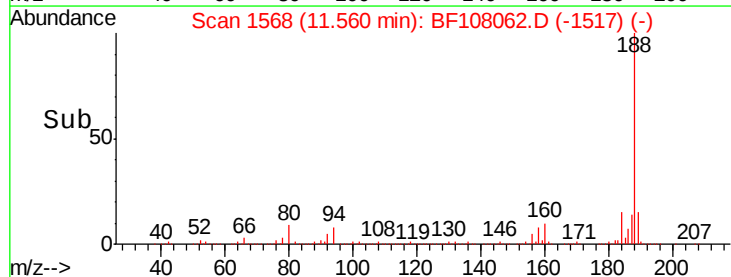
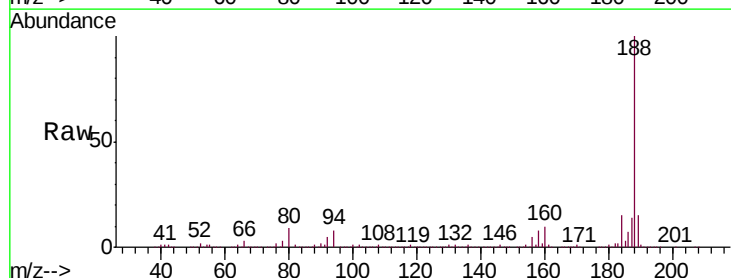
Instrument :
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S-2A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.2	9.2	13.8#

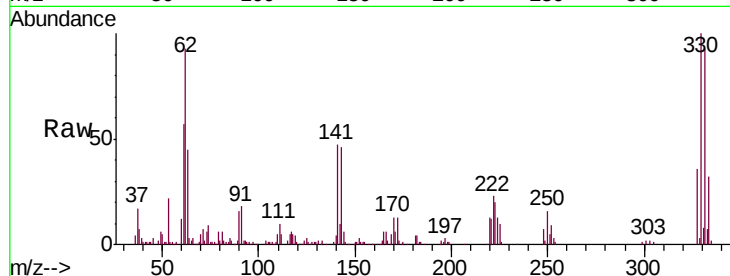




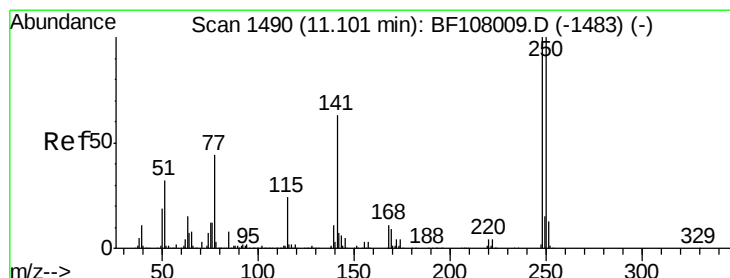
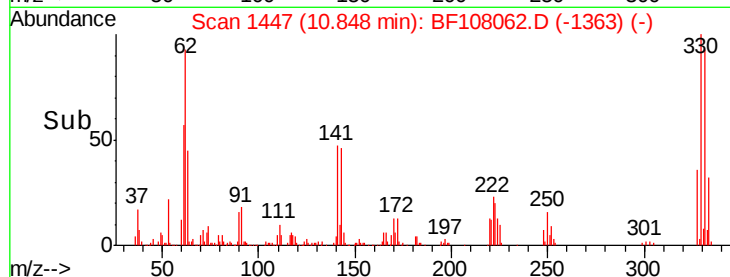
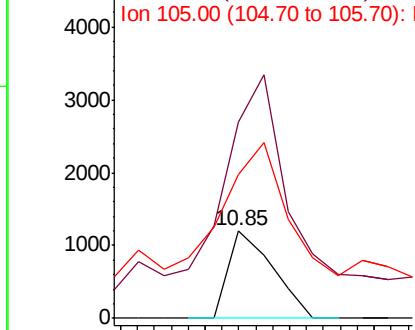
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.672 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Instrument :
 BNA_F
 ClientSampleId :
 S-2A

Tgt Ion:198 Resp: 877
 Ion Ratio Lower Upper
 198 100
 51 223.3 37.7 77.7#
 105 163.8 36.3 76.3#

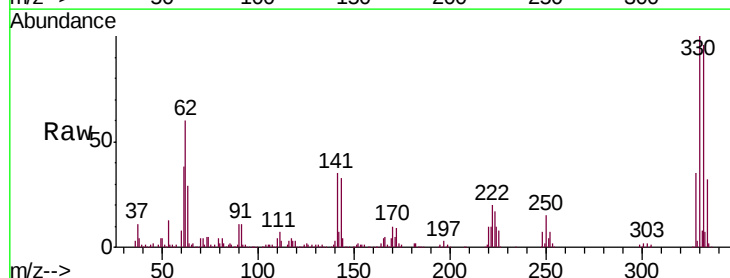


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

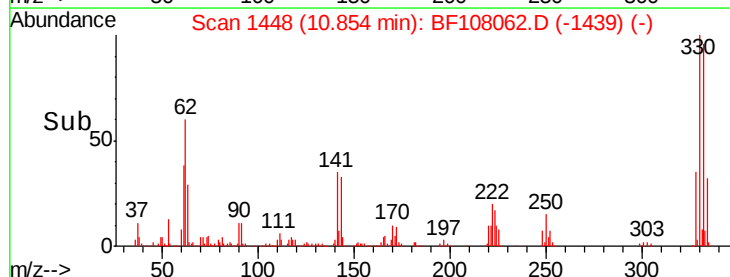
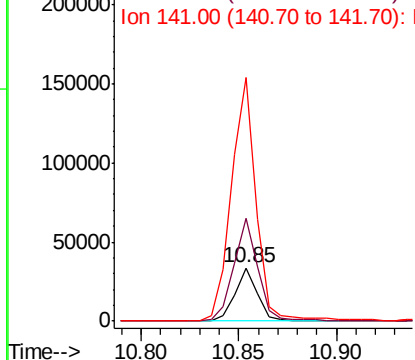


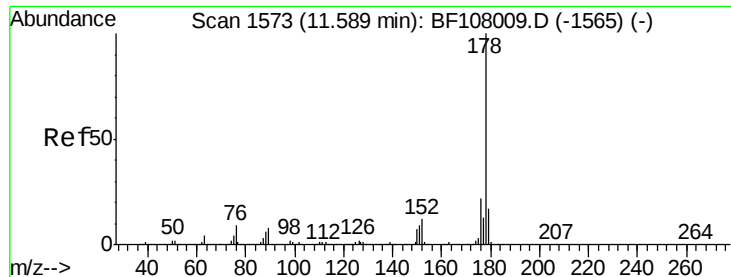
#66
 4-Bromophenyl-phenylether
 Concen: 3.796 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Tgt Ion:248 Resp: 27272
 Ion Ratio Lower Upper
 248 100
 250 194.5 76.9 115.3#
 141 460.4 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: 9.313 ng

RT: 11.58 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Instrument :

BNA_F

ClientSampleId :

S-2A

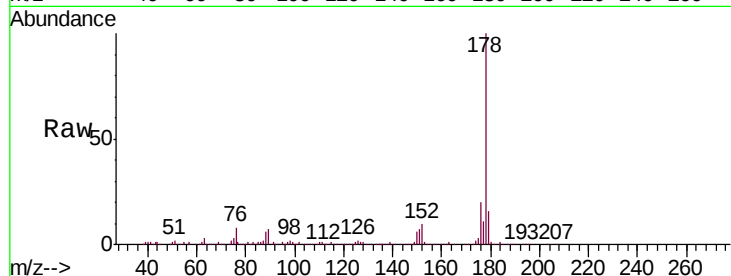
Tgt Ion:178 Resp: 290418

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

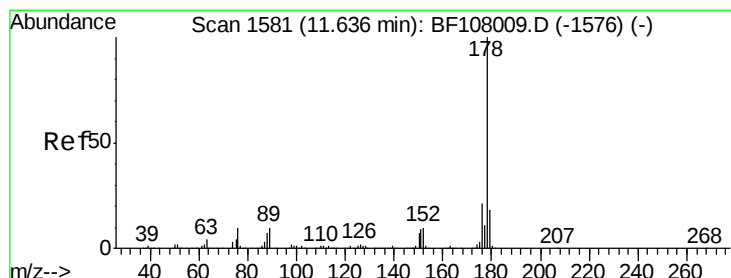
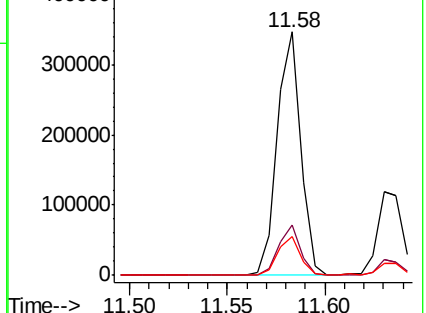
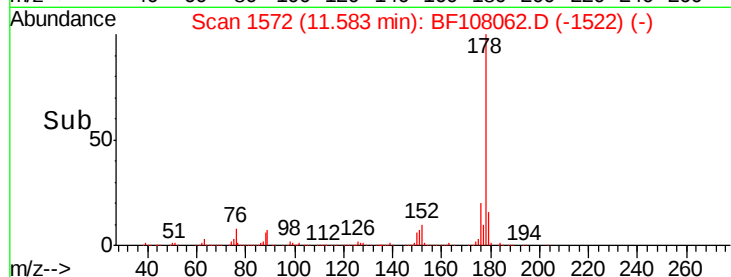
179 15.9 13.0 19.6



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: 3.180 ng

RT: 11.63 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

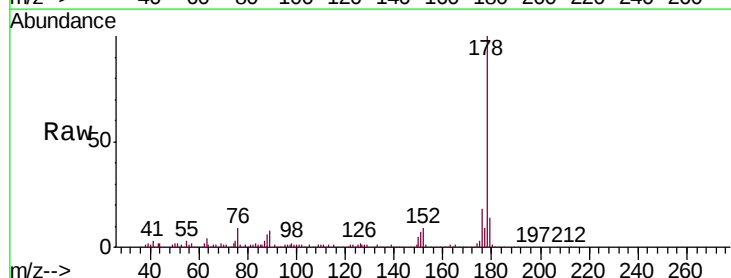
Tgt Ion:178 Resp: 101647

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

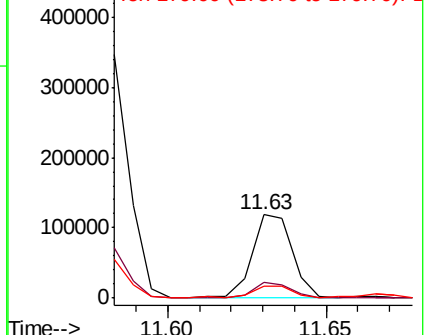
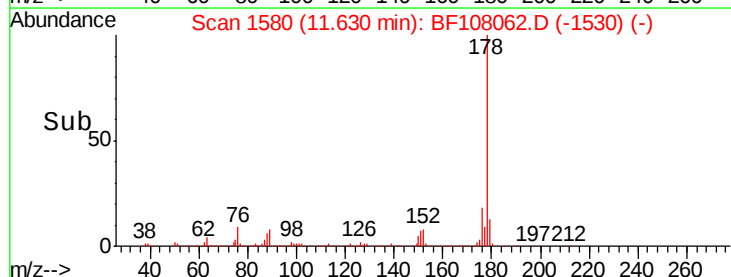
179 13.6 12.6 19.0

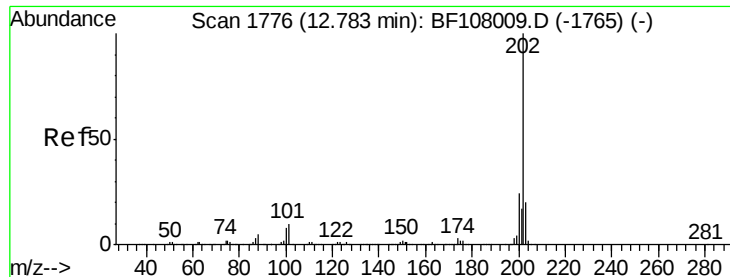


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.264 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Instrument :

BNA_F

ClientSampleId :

S-2A

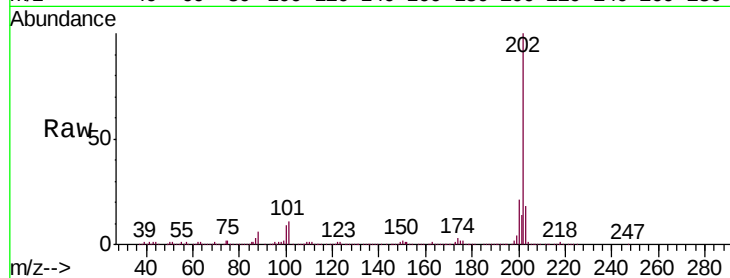
Tgt Ion:202 Resp: 417421

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.1

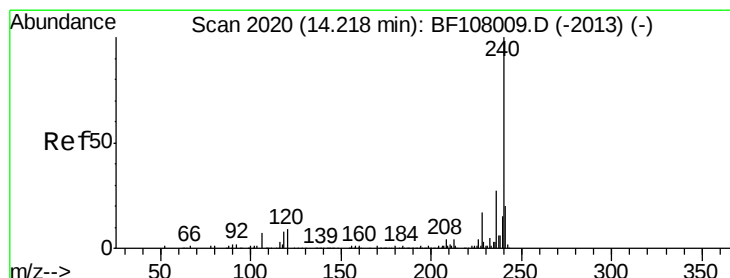
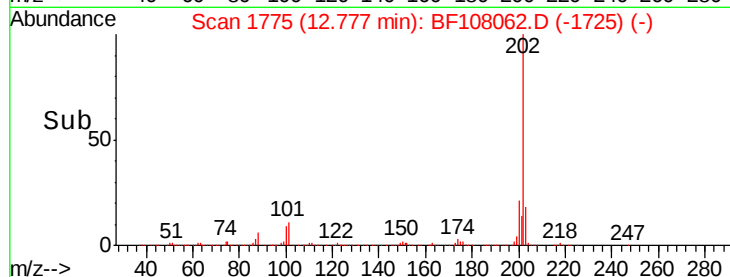
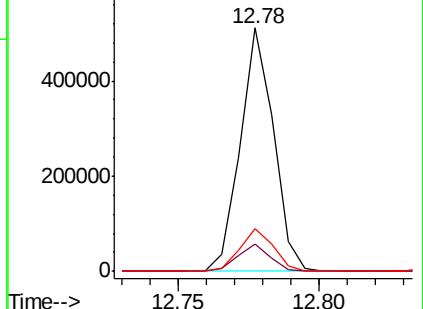
203 17.7 0.0 38.1



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: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

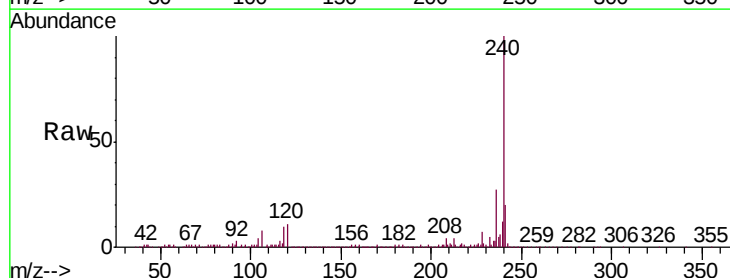
Tgt Ion:240 Resp: 627494

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

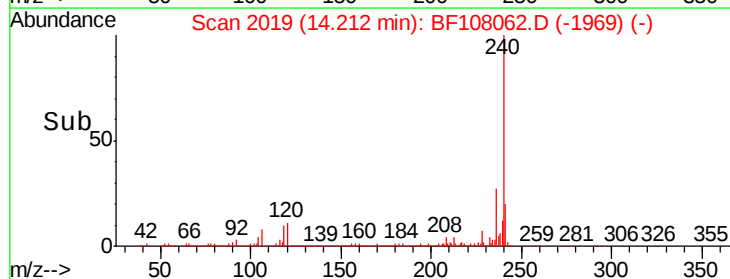
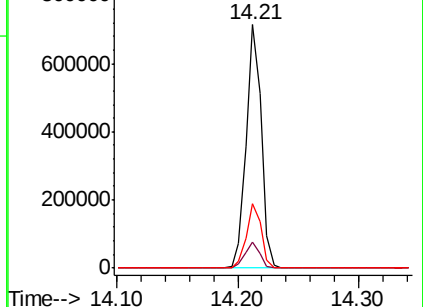
236 26.7 20.7 31.1

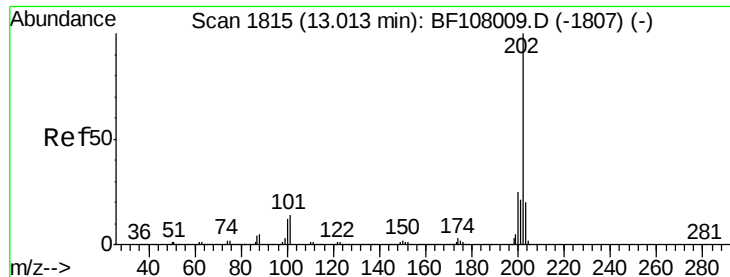


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

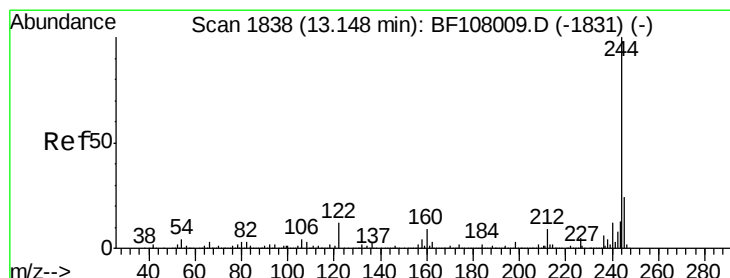
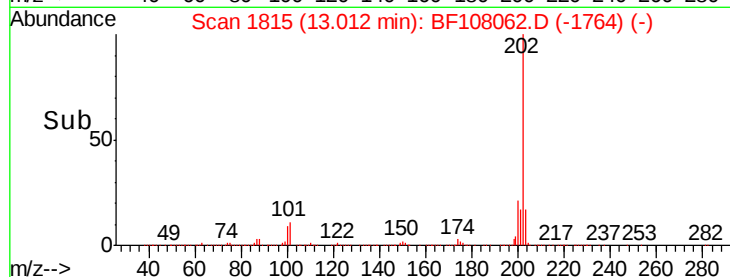
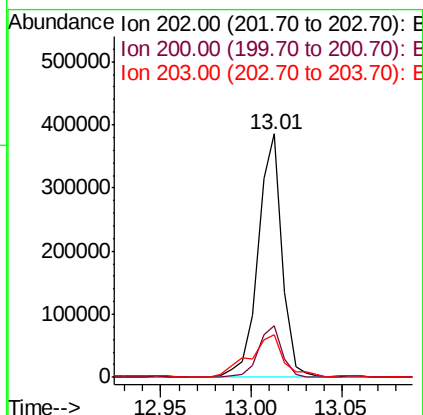
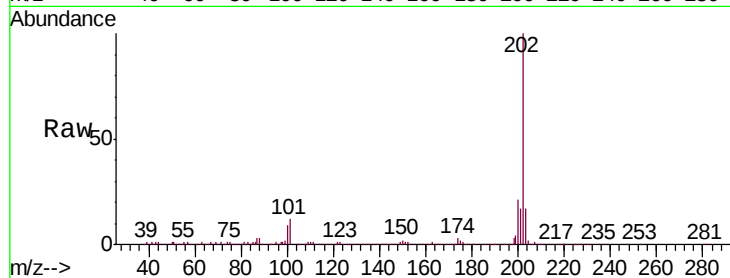




#77
 Pyrene
 Concen: 8.869 ng
 RT: 13.01 min Scan# 1815
 Delta R.T. -0.00 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

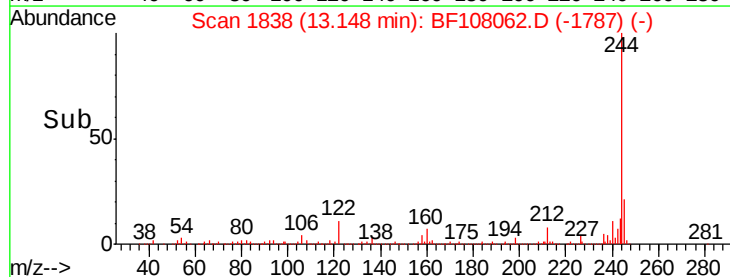
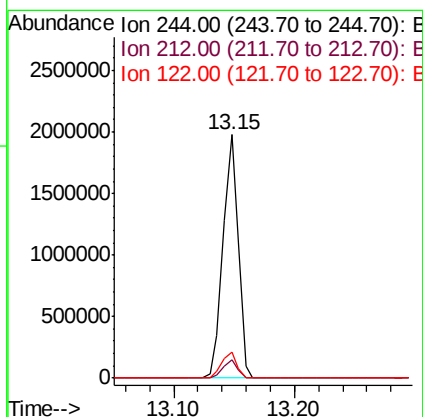
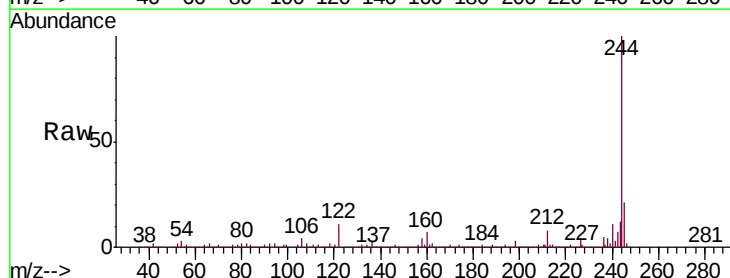
Instrument :
 BNA_F
 ClientSampled :
 S-2A

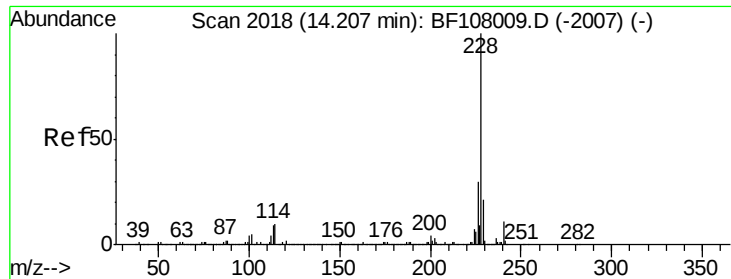
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.5	14.3	21.5



#78
 Terphenyl-d14
 Concen: 69.633 ng
 RT: 13.15 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.0
122	10.5	11.0	16.4

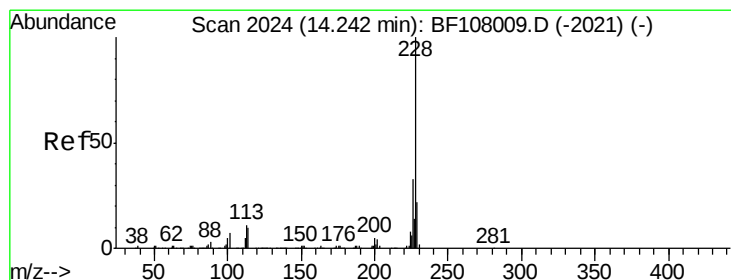
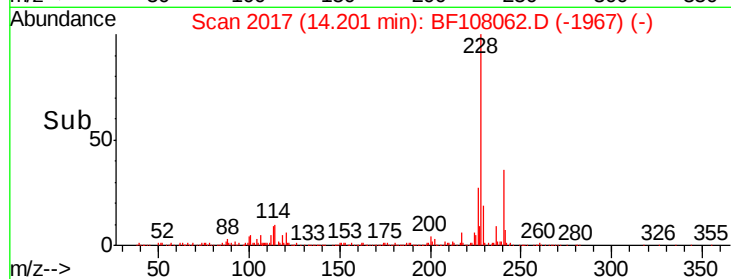
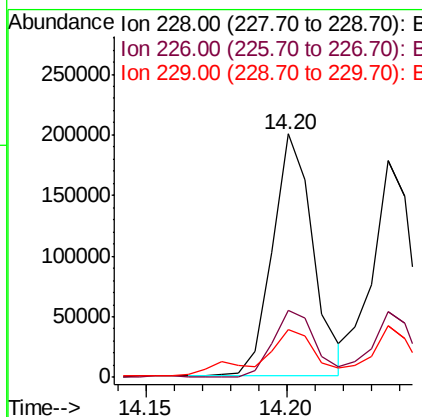
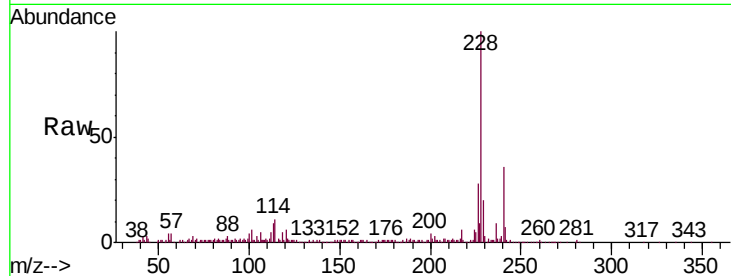




#80
Benzo(a)anthracene
Concen: 5.527 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

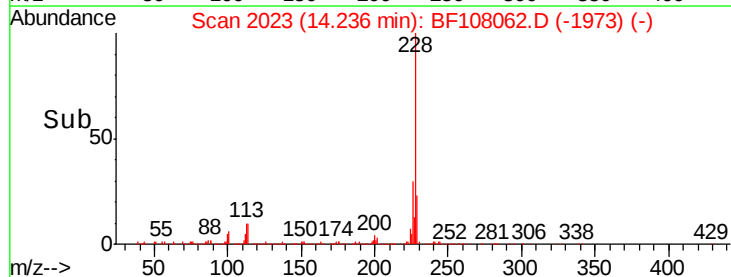
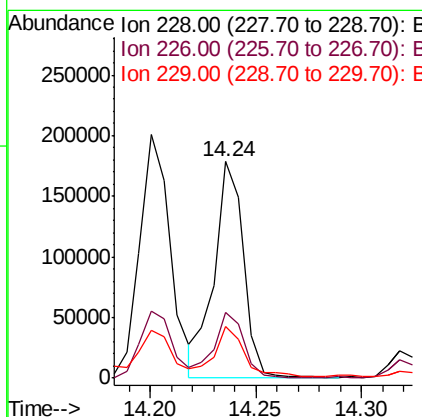
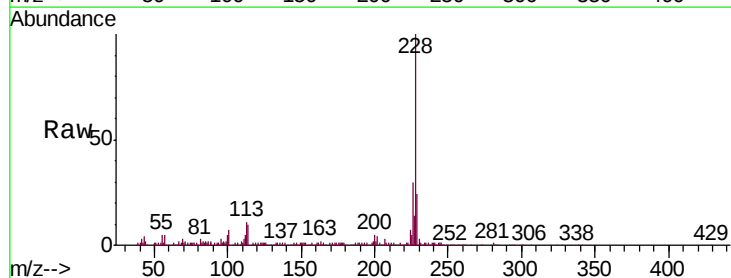
Instrument :
BNA_F
ClientSampled :
S-2A

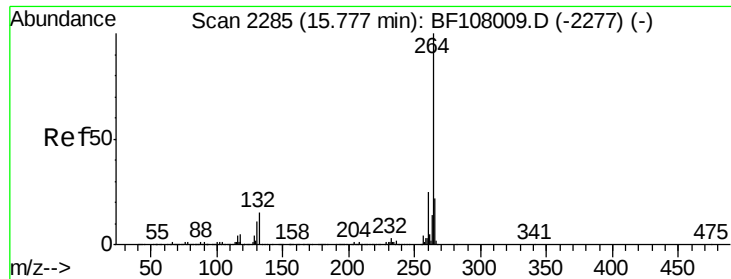
Tgt Ion:228 Resp: 199033
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 19.6 15.8 23.6



#82
Chrysene
Concen: 5.181 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion:228 Resp: 171050
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 23.8 16.2 24.4

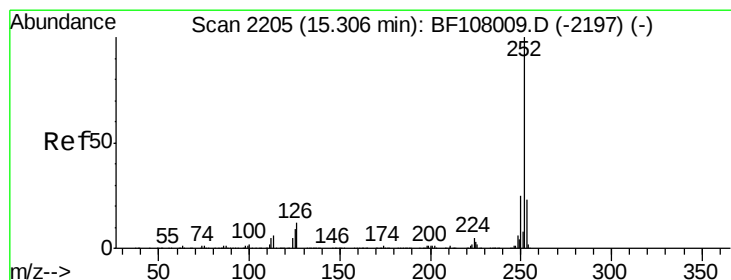
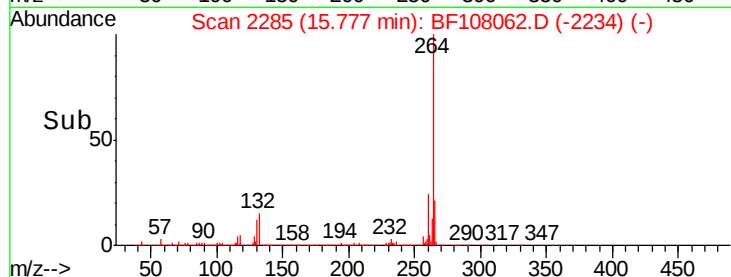
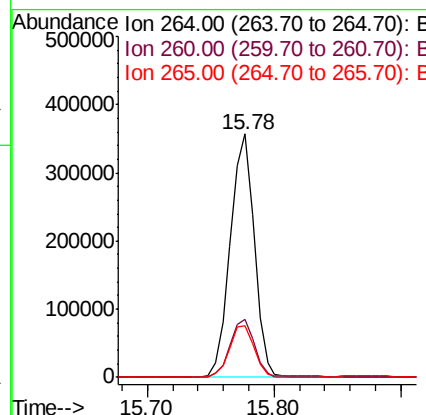
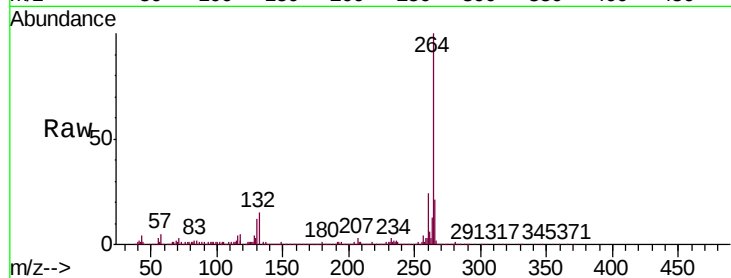




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

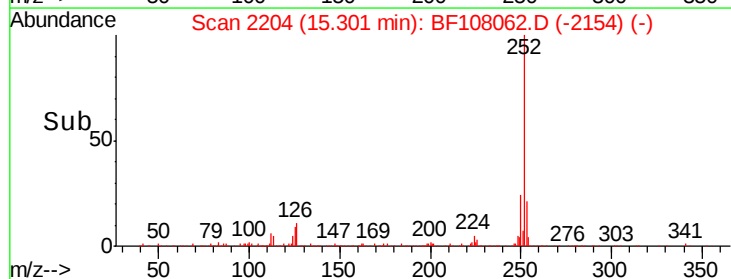
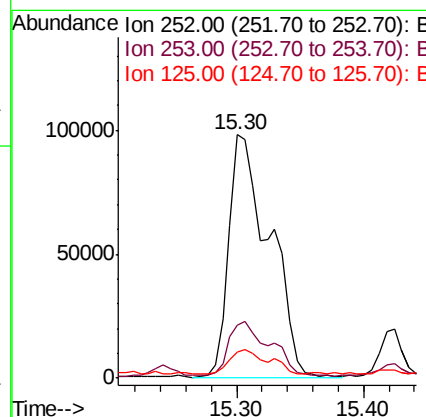
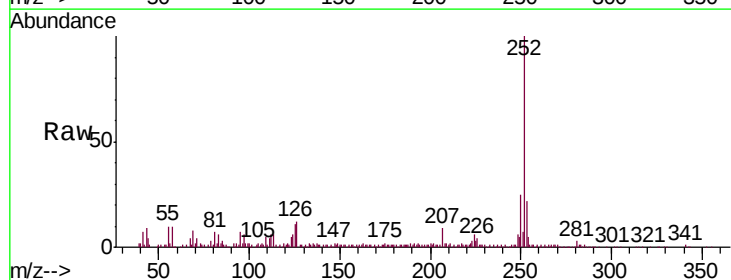
Instrument :
BNA_F
ClientSampleId :
S-2A

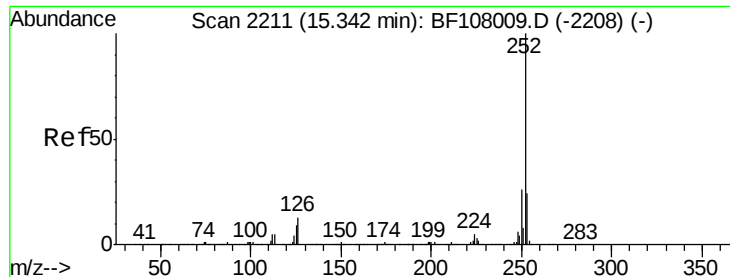
Tgt Ion:264 Resp: 467833
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 7.774 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion:252 Resp: 217331
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 10.8 9.0 13.6

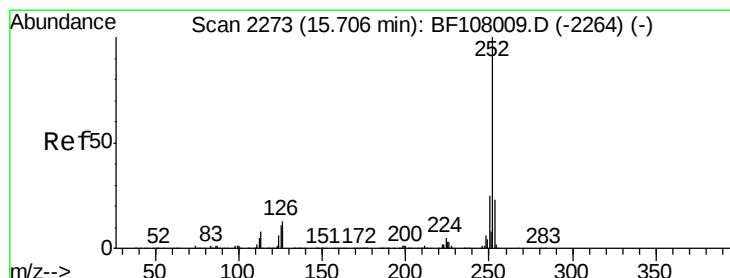
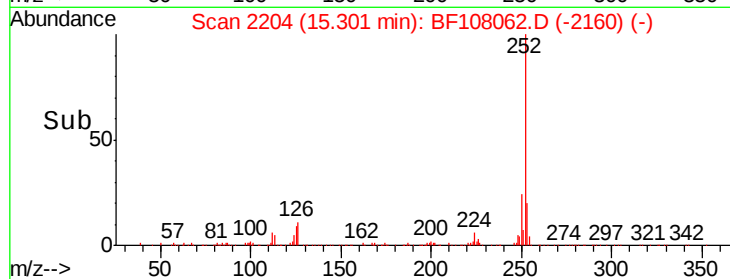
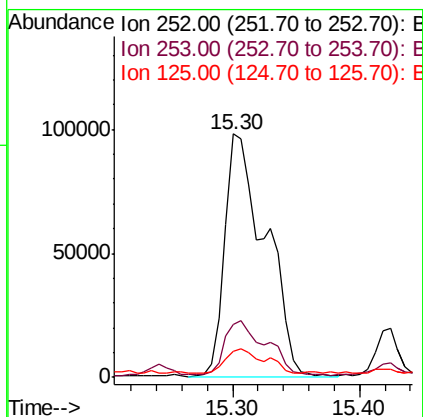
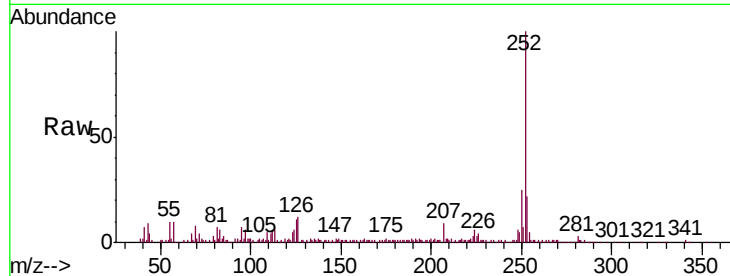




#88
Benzo(k)fluoranthene
Concen: 8.457 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

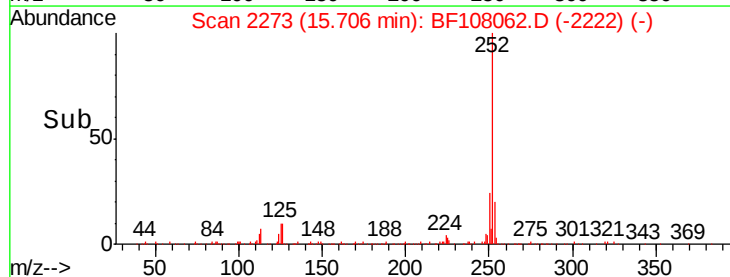
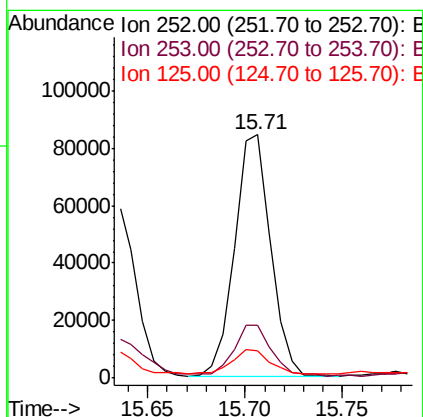
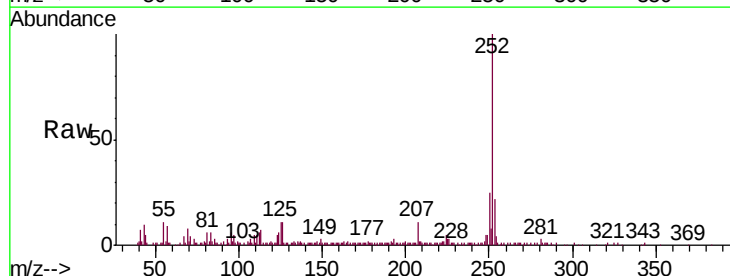
Instrument :
BNA_F
ClientSampleId :
S-2A

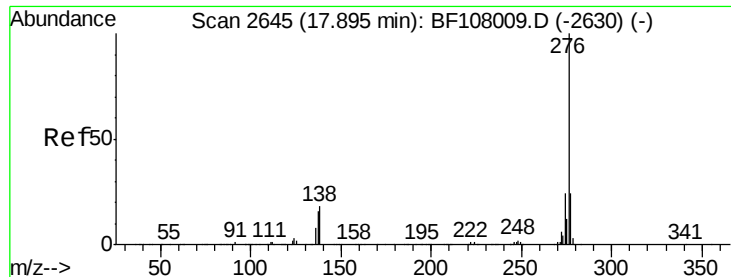
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	10.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.303 ng
RT: 15.71 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	11.0	9.8	14.6

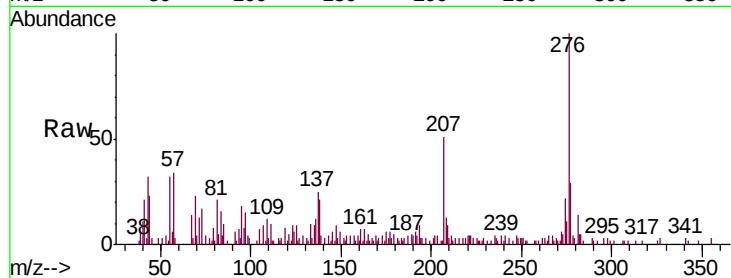




#91
 Benzo(g,h,i)perylene
 Concen: 2.049 ng
 RT: 17.88 min Scan# 2642
 Delta R.T. -0.02 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Instrument :
 BNA_F
 ClientSampleId :
 S-2A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.1	17.9	26.9#
138	20.9	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

