

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108466.D
 Acq On : 24 Aug 2018 16:31
 Operator : JU/SJ
 Sample : J4581-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 17:29:57 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	133047	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	511816	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	261468	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	500203	20.00	ng	0.00
75) Chrysene-d12	14.19	240	287432	20.00	ng	0.00
86) Perylene-d12	15.75	264	268060	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	626149	85.20	ng	0.00
7) Phenol-d6	6.62	99	857487	87.81	ng	0.00
23) Nitrobenzene-d5	7.56	82	565840	61.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	264217	101.31	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	914473	56.15	ng	-0.01
78) Terphenyl-d14	13.12	244	927543	82.05	ng	0.00

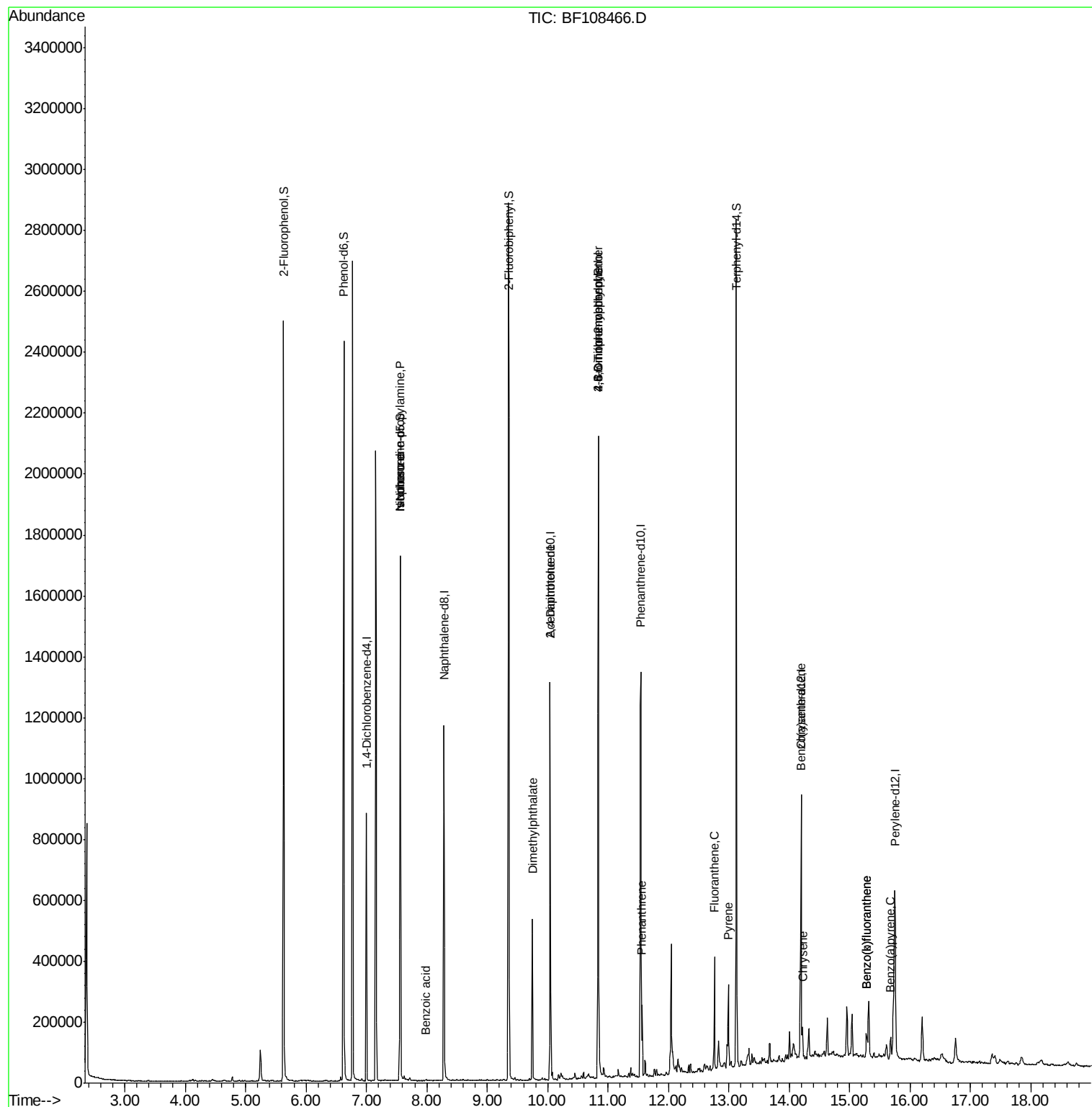
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	76436	11.575	ng	# 83
25) Isophorone	7.56	82	565831	32.366	ng	# 64
32) Benzoic acid	7.98	122	124	5.999	ng	93
49) Dimethylphthalate	9.75	163	219313	12.041	ng	98
56) 2,4-Dinitrotoluene	10.04	165	33097	6.748	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	449	5.571	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	16945	3.117	ng	# 1
70) Phenanthrene	11.57	178	92671	3.928	ng	96
74) Fluoranthene	12.76	202	133270	5.176	ng	94
77) Pyrene	12.99	202	113405	6.232	ng	98
80) Benzo(a)anthracene	14.18	228	42355	2.568	ng	97
82) Chrysene	14.22	228	36758	2.431	ng	97
87) Benzo(b)fluoranthene	15.28	252	59865	3.737	ng	# 96
88) Benzo(k)fluoranthene	15.28	252	59865	4.066	ng	# 96
89) Benzo(a)pyrene	15.68	252	33848	2.360	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.00 min Scan# 793

Delta R.T. -0.01 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

Instrument :

BNA_G

ClientSampleId :

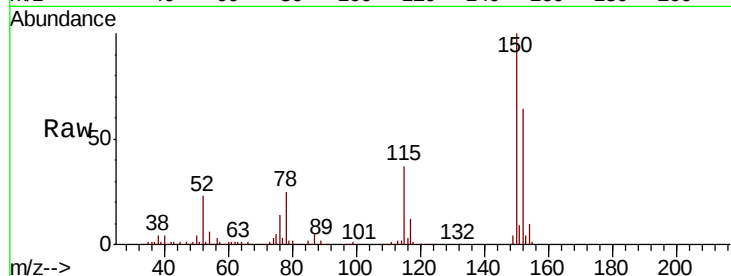
Tot Ion:152 Resp: 133047

Ion Ratio Lower Upper

152 100

150 156.1 124.6 186.8

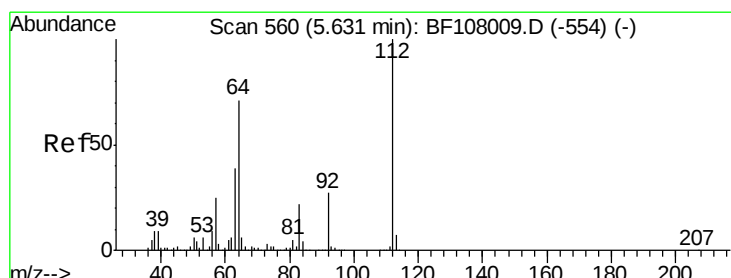
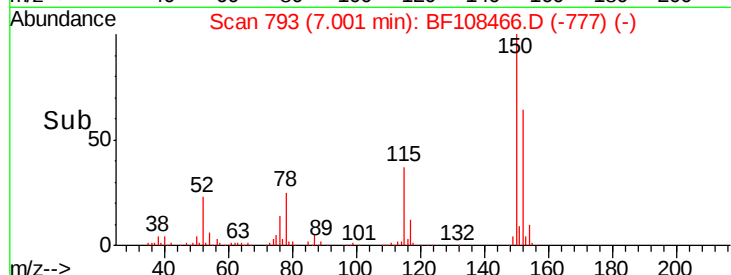
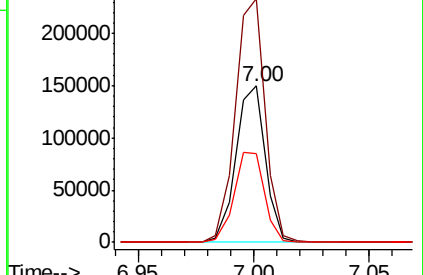
115 57.3 50.1 75.1



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: 85.204 ng

RT: 5.63 min Scan# 560

Delta R.T. -0.00 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

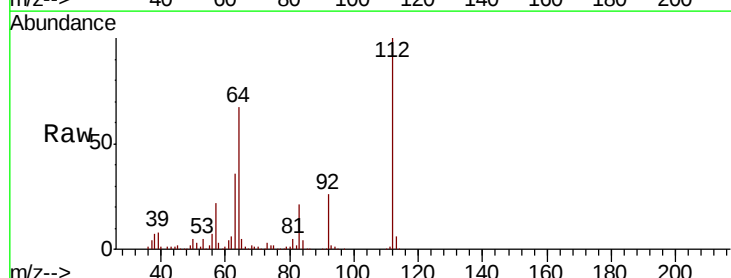
Tgt Ion:112 Resp: 626149

Ion Ratio Lower Upper

112 100

64 66.9 47.9 71.9

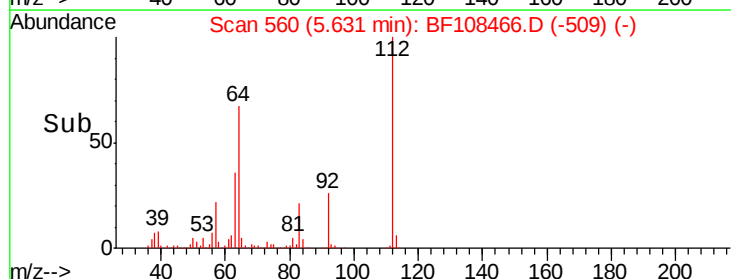
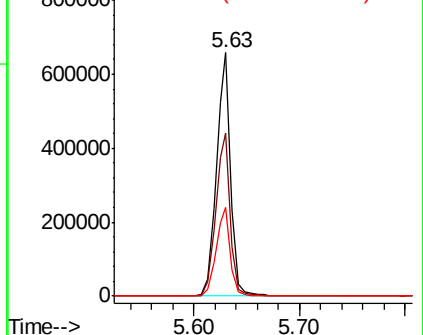
63 36.3 23.7 35.5#



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: 87.807 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

Instrument :

BNA_G

ClientSampleId :

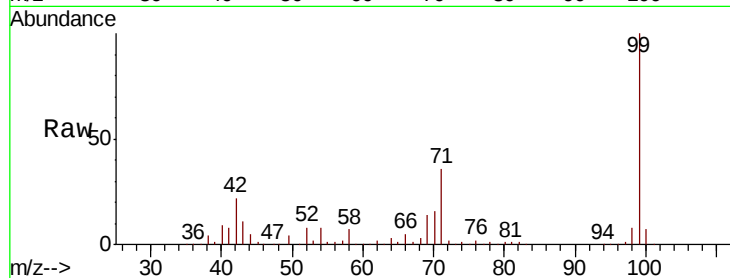
Tot Ion: 99 Resp: 857487

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

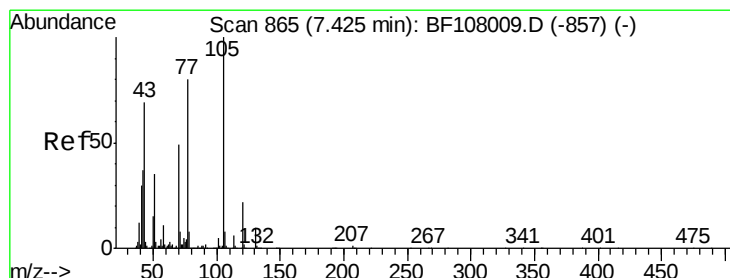
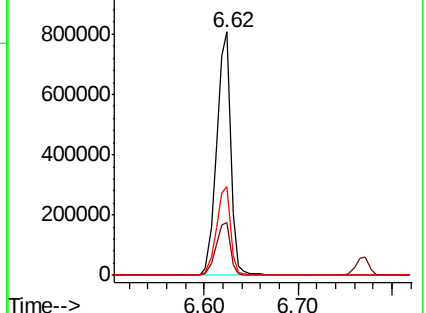
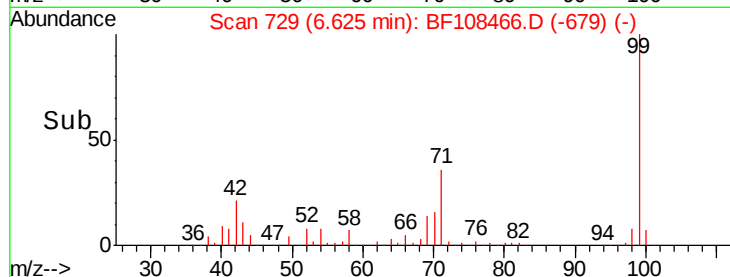
71 36.3 25.4 38.0



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: 11.575 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

Tgt Ion: 70 Resp: 76436

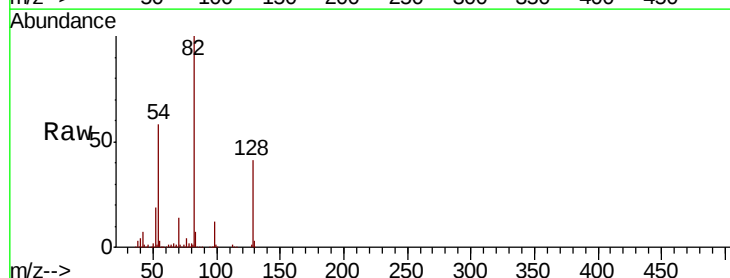
Ion Ratio Lower Upper

70 100

42 53.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

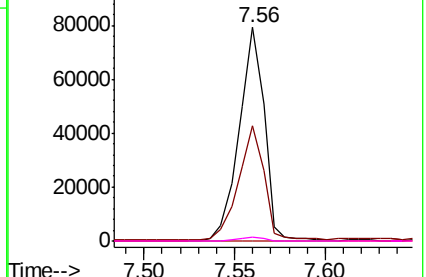
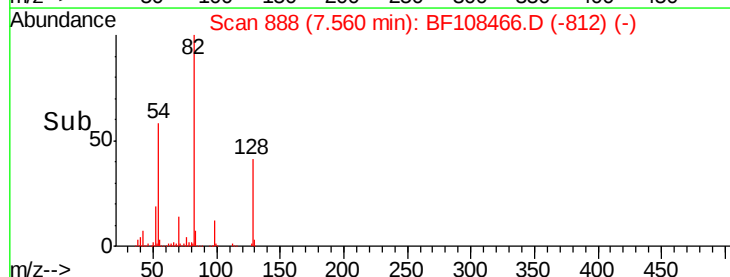


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

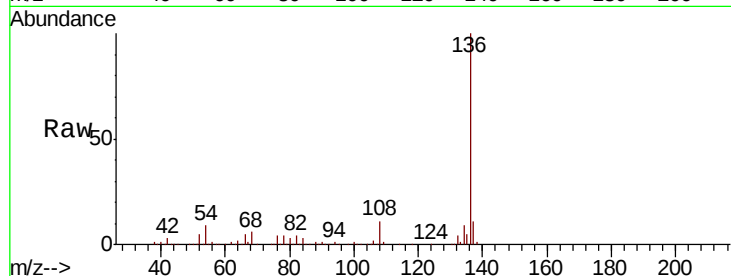




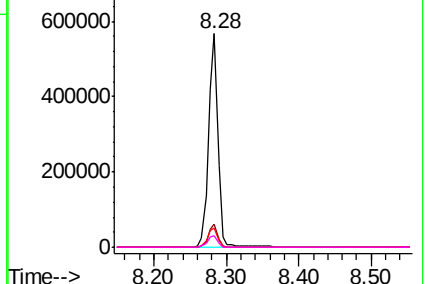
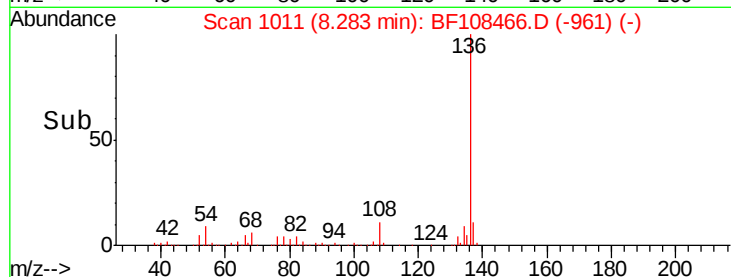
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108466.D
Acq: 24 Aug 2018 16:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	511816
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.9 13.3
54	9.3	6.6 9.8
68	5.5	5.0 7.4

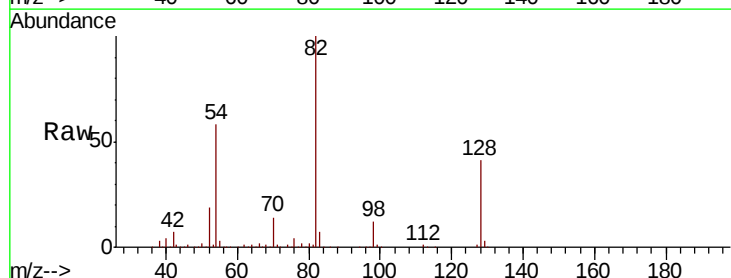


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

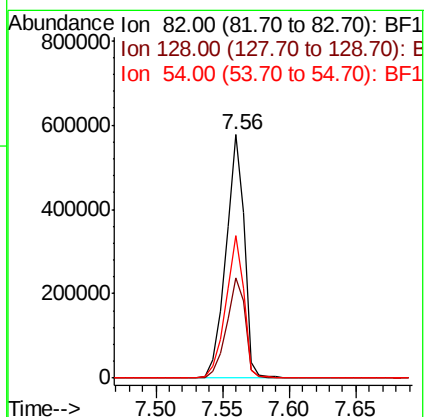
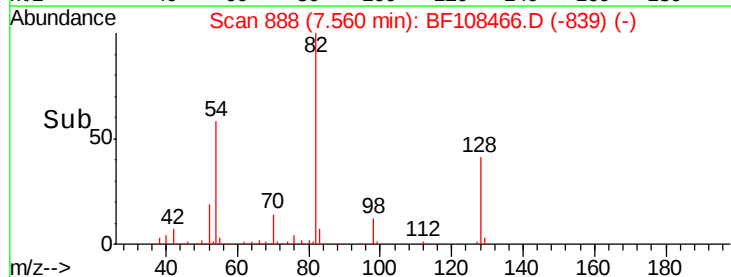


#23
Nitrobenzene-d5
Concen: 61.691 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108466.D
Acq: 24 Aug 2018 16:31

Tgt Ion: 82	Resp:	565840
Ion	Ratio	Lower Upper
82	100	
128	41.2	36.1 54.1
54	58.4	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

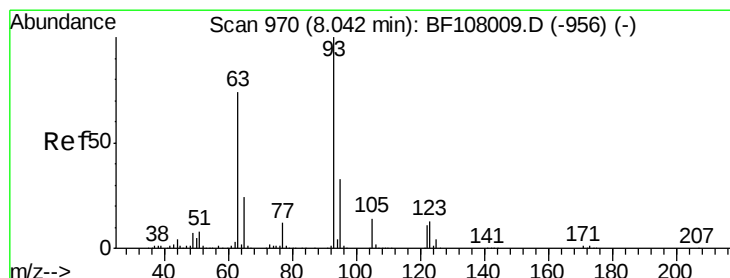
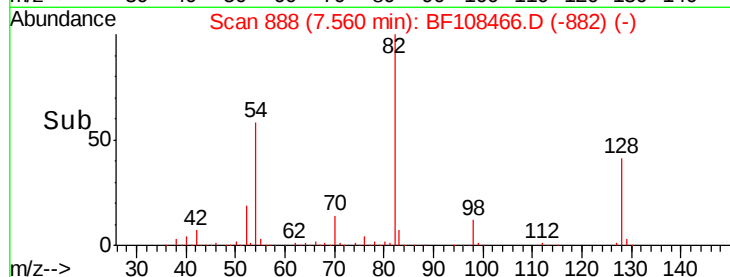
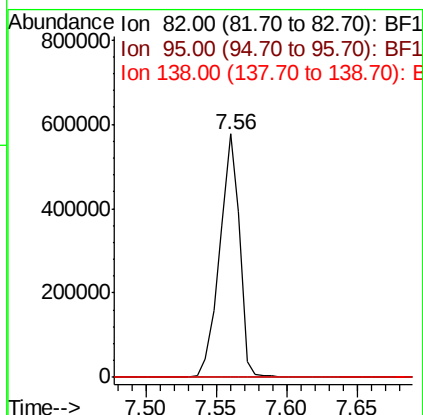
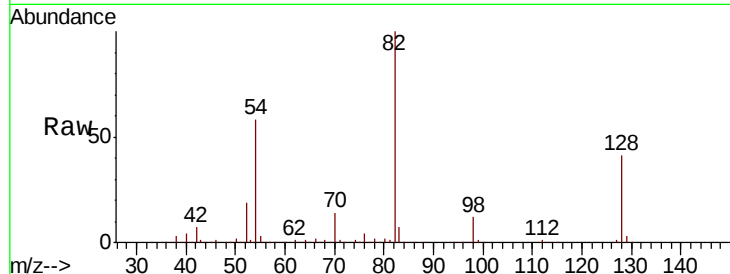




#25
Isophorone
Concen: 32.366 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.26 min
Lab File: BF108466.D
Acq: 24 Aug 2018 16:31

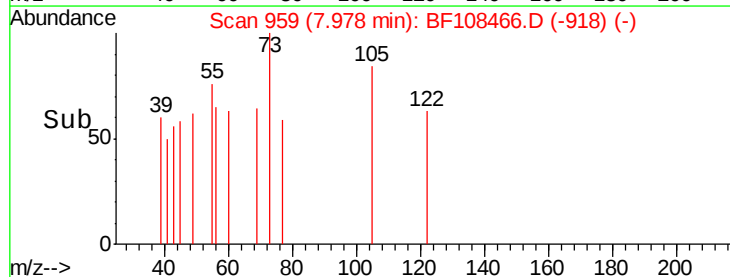
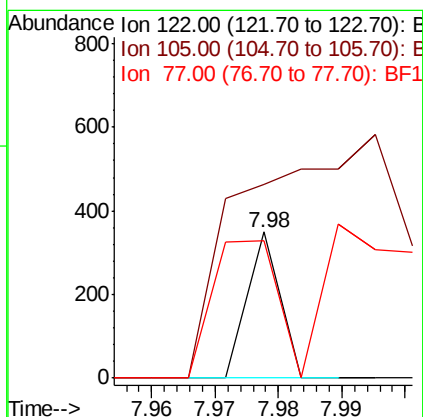
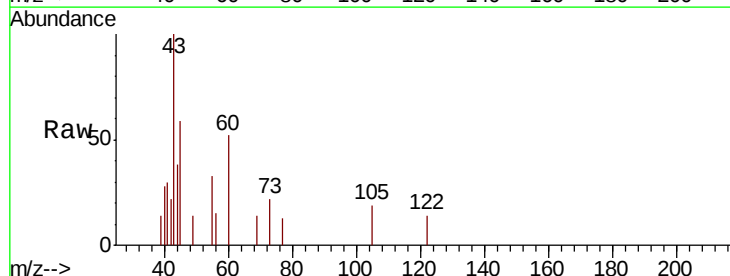
Instrument :
BNA_G
ClientSampleId :

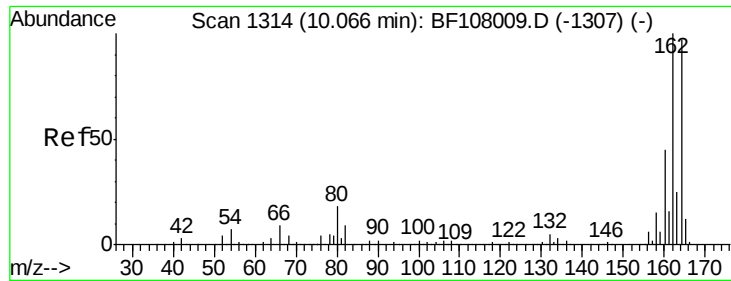
Tot Ion: 82 Resp: 565831
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#32
Benzoic acid
Concen: 5.999 ng
RT: 7.98 min Scan# 959
Delta R.T. -0.06 min
Lab File: BF108466.D
Acq: 24 Aug 2018 16:31

Tgt Ion: 122 Resp: 124
Ion Ratio Lower Upper
122 100
105 132.6 101.1 141.1
77 93.7 70.7 110.7

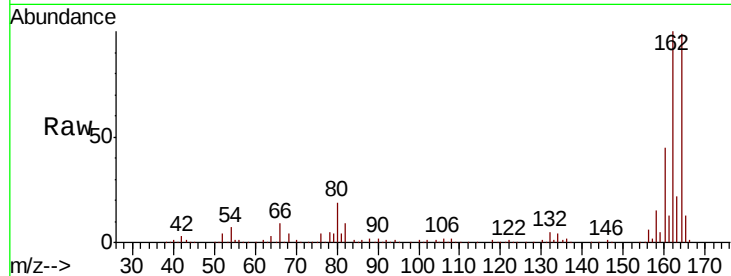




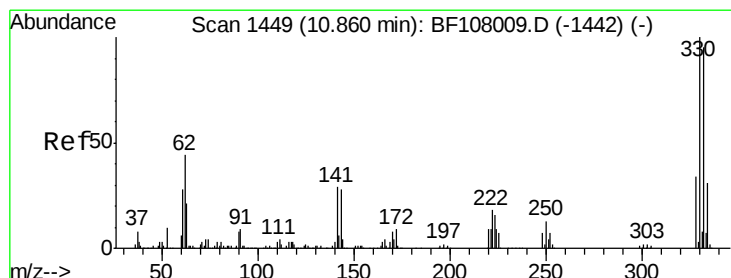
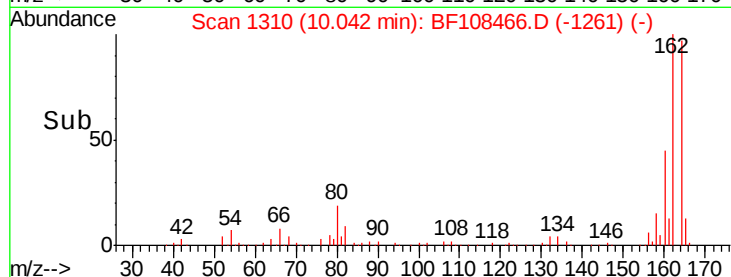
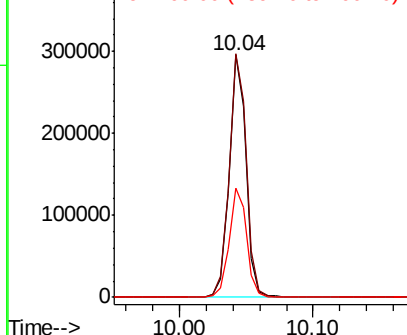
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108466.D
 Acq: 24 Aug 2018 16:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 261468
 Ion Ratio Lower Upper
 164 100
 162 100.7 86.1 129.1
 160 44.9 38.3 57.5

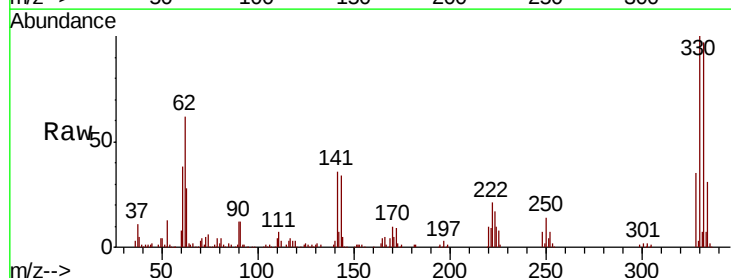


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

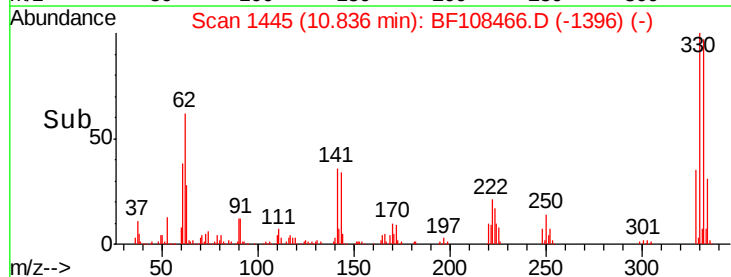
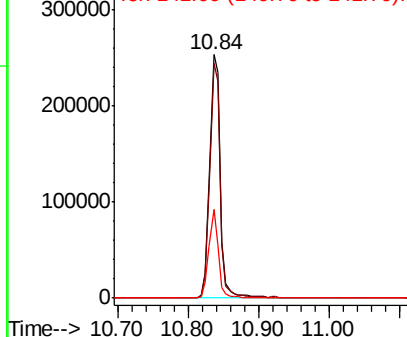


#41
 2,4,6-Tribromophenol
 Concen: 101.307 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108466.D
 Acq: 24 Aug 2018 16:31

Tgt Ion:330 Resp: 264217
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 32.6 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

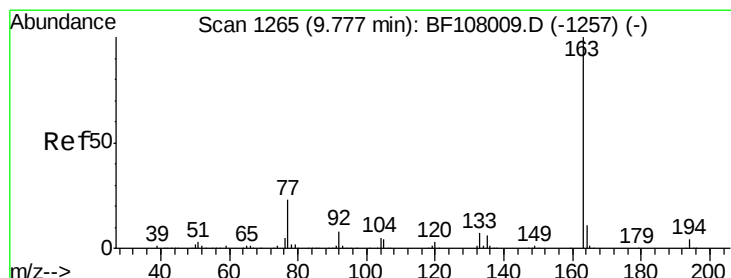
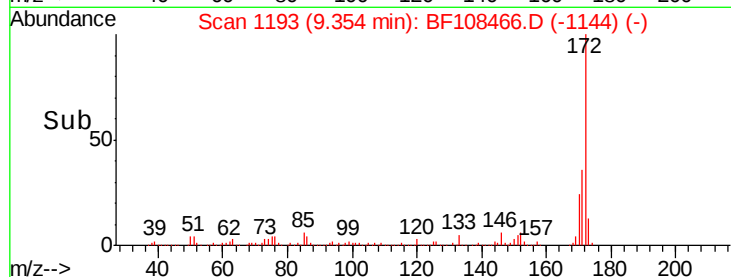
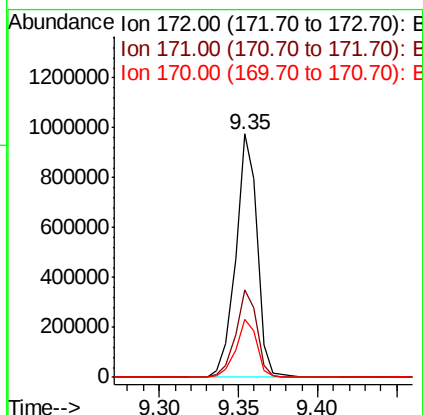
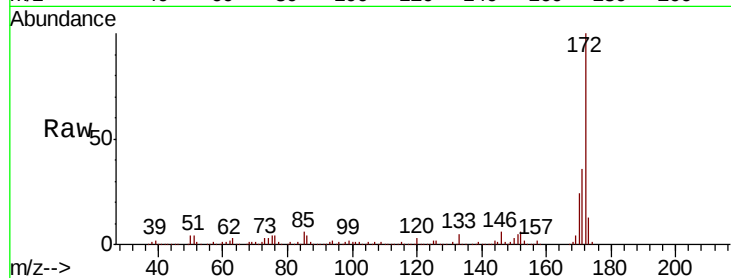




#44
2-Fluorobiphenyl
Concen: 56.151 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108466.D
Acq: 24 Aug 2018 16:31

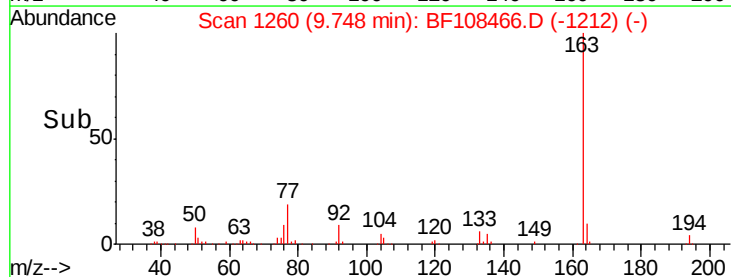
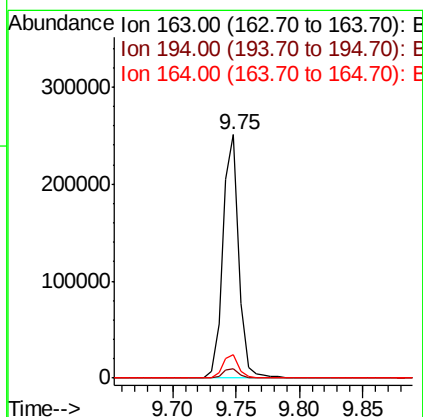
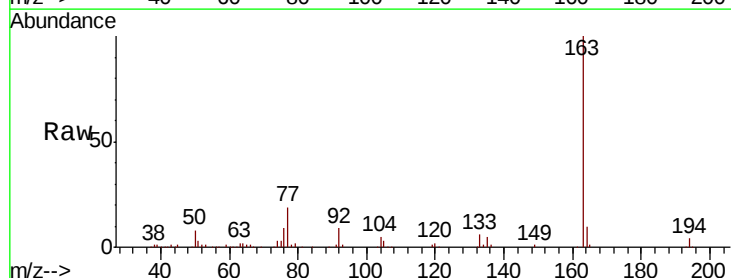
Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 914473
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.1 19.6 29.4



#49
Dimethylphthalate
Concen: 12.041 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108466.D
Acq: 24 Aug 2018 16:31

Tgt Ion:163 Resp: 219313
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.6 8.2 12.2

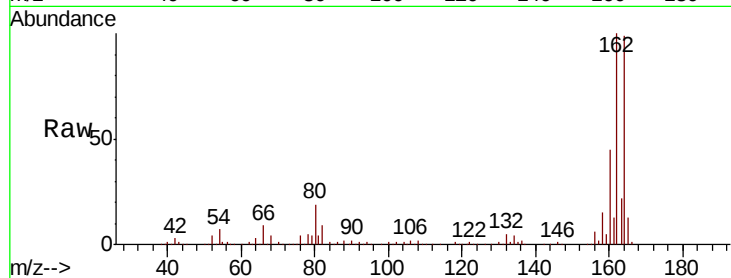




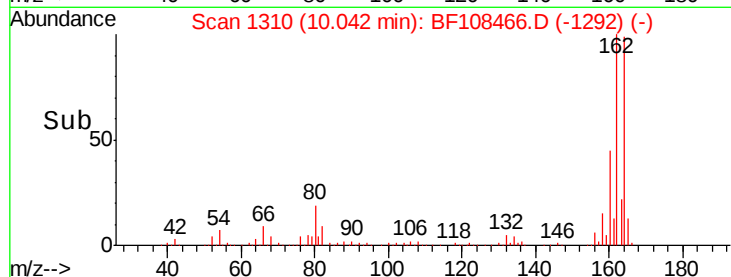
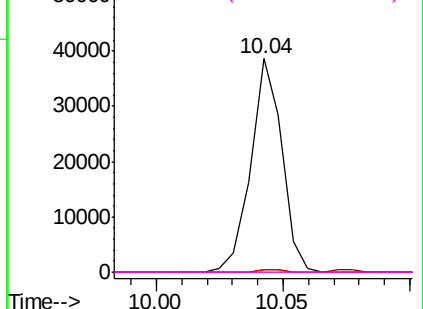
#56
 2,4-Dinitrotoluene
 Concen: 6.748 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108466.D
 Acq: 24 Aug 2018 16:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

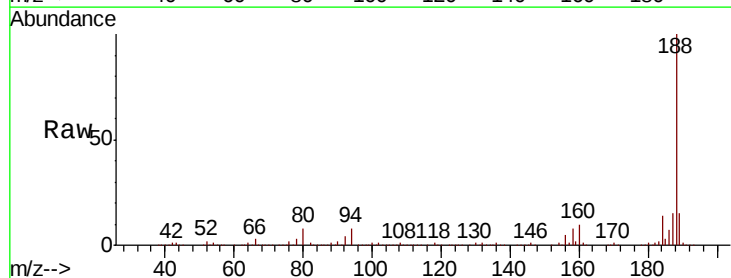


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

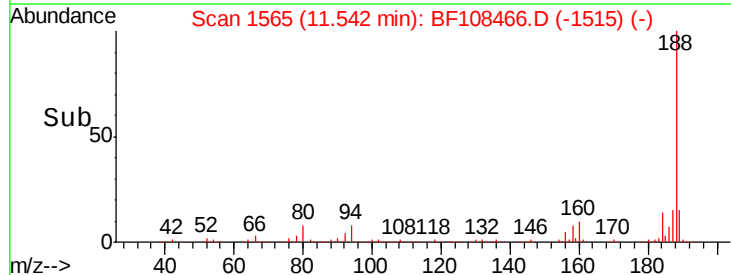
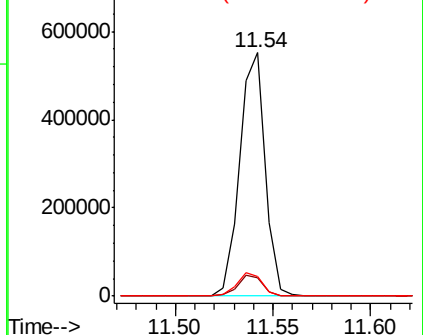


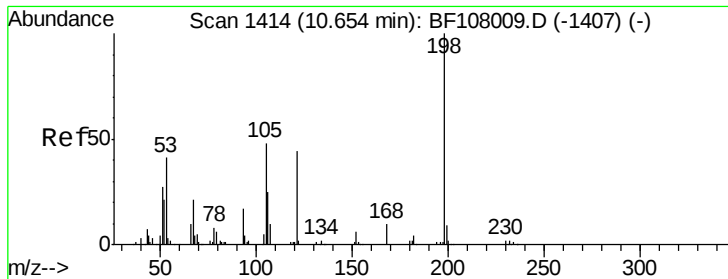
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108466.D
 Acq: 24 Aug 2018 16:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.2	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: 5.571 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.19 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

Instrument :

BNA_G

ClientSampled :

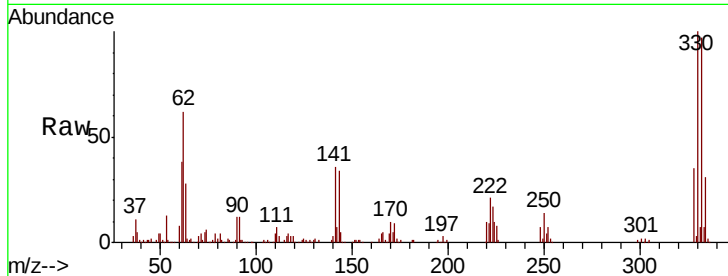
Tot Ion:198 Resp: 449

Ion Ratio Lower Upper

198 100

51 176.4 37.7 77.7#

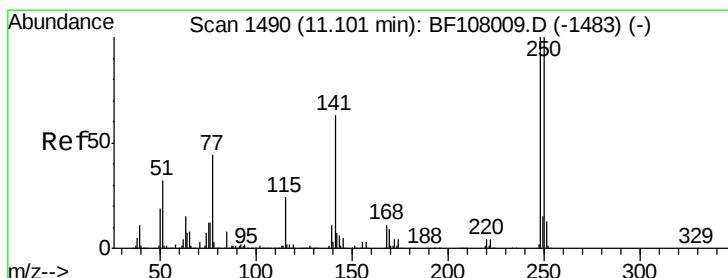
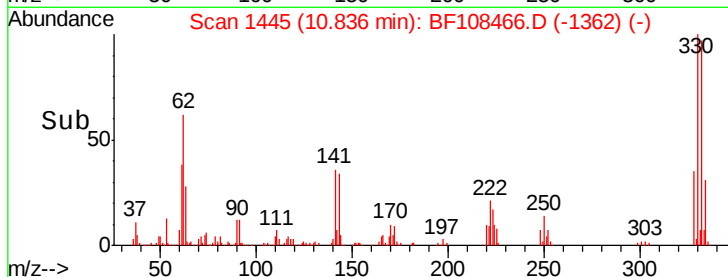
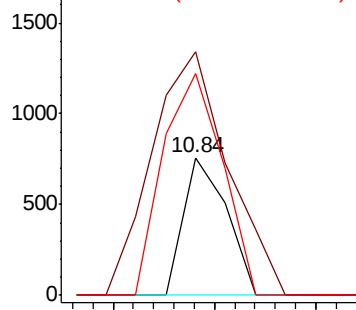
105 160.5 36.3 76.3#



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: 3.117 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.25 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

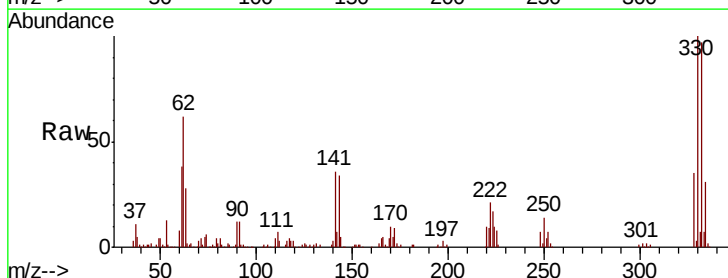
Tgt Ion:248 Resp: 16945

Ion Ratio Lower Upper

248 100

250 204.0 76.9 115.3#

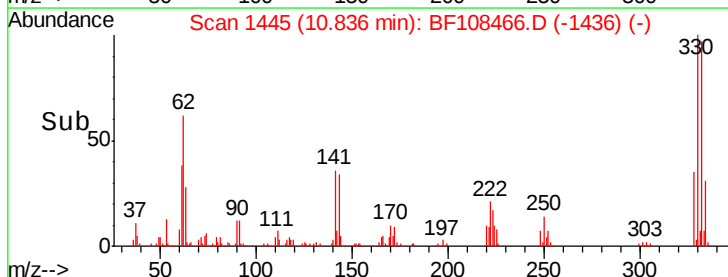
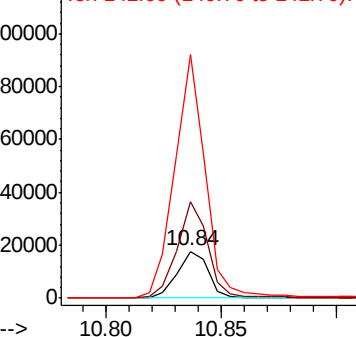
141 516.9 74.4 111.6#

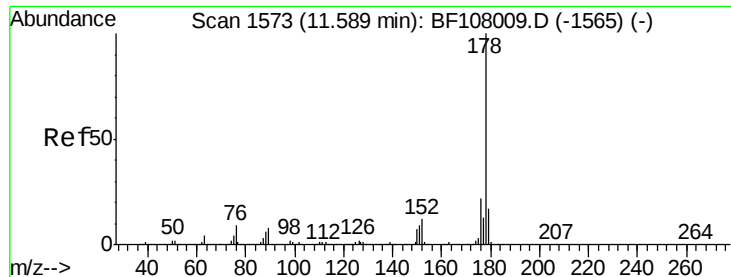


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

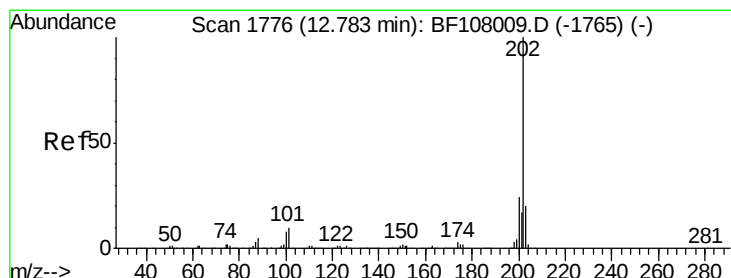
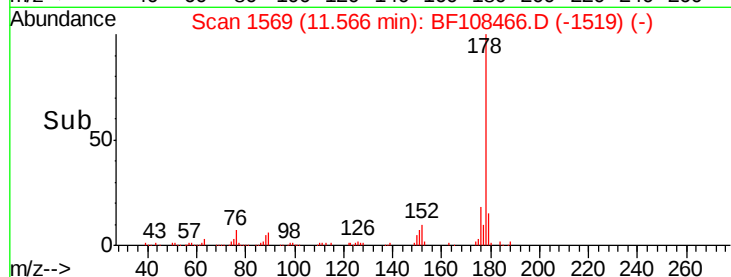
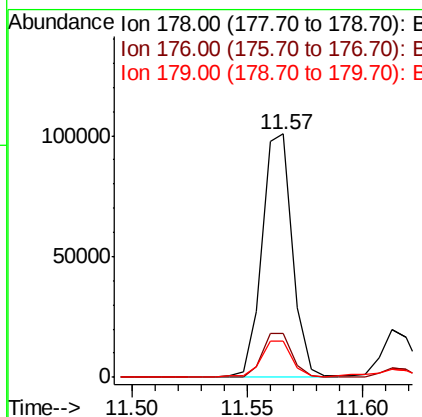
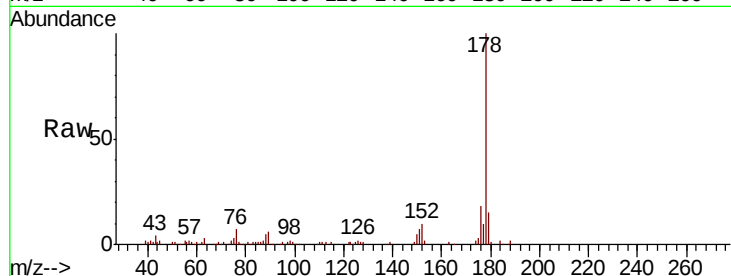




#70
Phenanthrene
Concen: 3.928 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108466.D
Acq: 24 Aug 2018 16:31

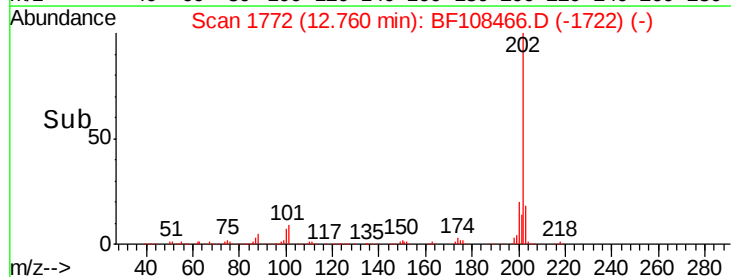
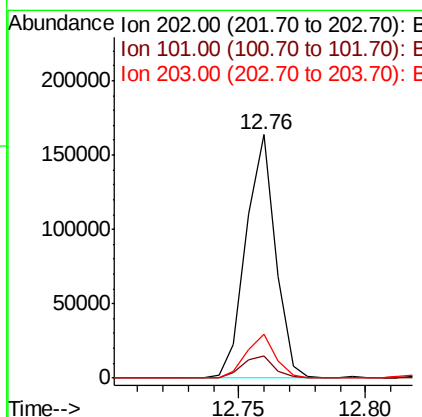
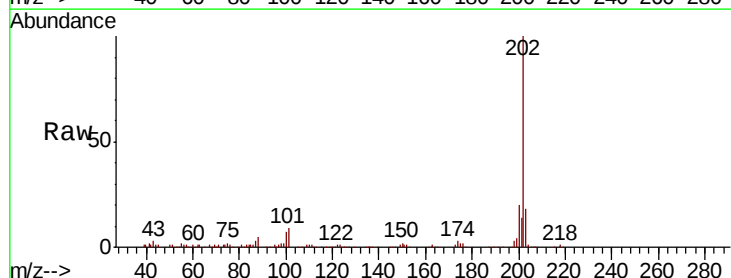
Instrument :
BNA_G
ClientSampled :

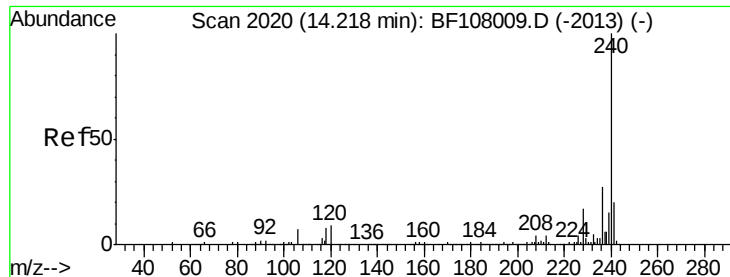
Tot Ion:178 Resp: 92671
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 14.7 13.0 19.6



#74
Fluoranthene
Concen: 5.176 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108466.D
Acq: 24 Aug 2018 16:31

Tgt Ion:202 Resp: 133270
Ion Ratio Lower Upper
202 100
101 9.1 0.0 34.1
203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

Instrument :

BNA_G

ClientSampleId :

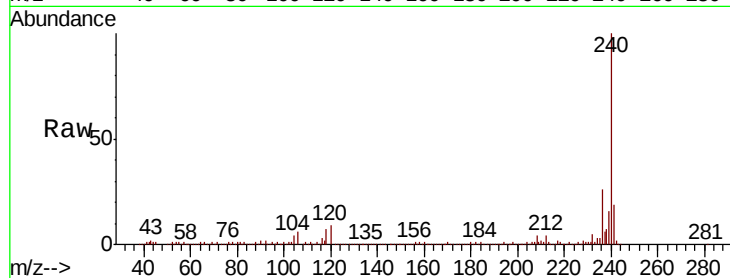
Tot Ion:240 Resp: 287432

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

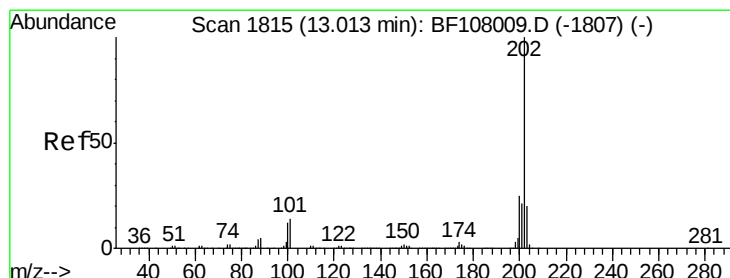
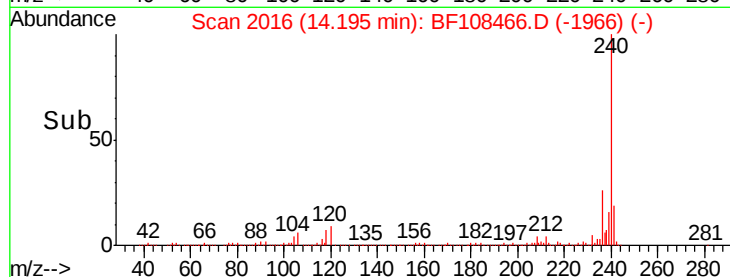
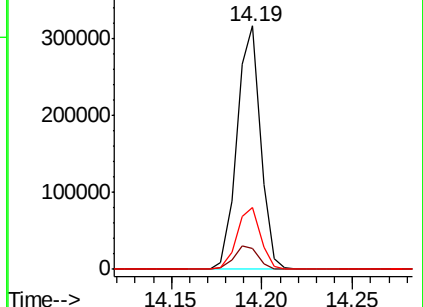
236 25.5 20.7 31.1



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: 6.232 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

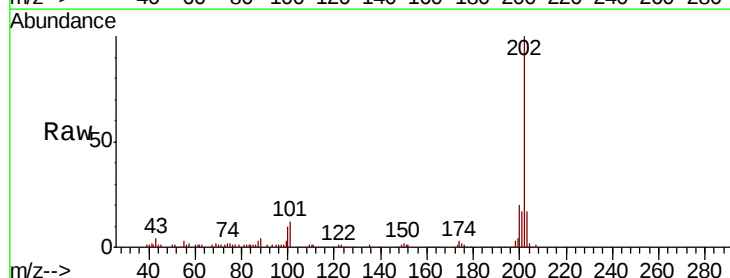
Tgt Ion:202 Resp: 113405

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

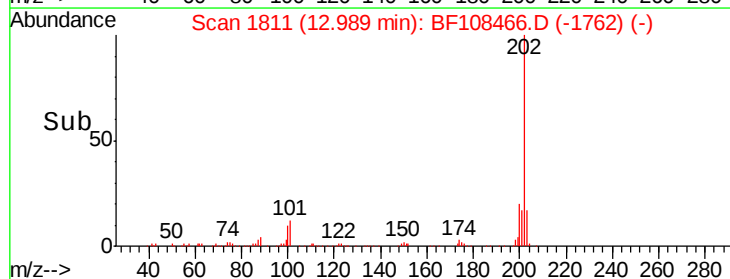
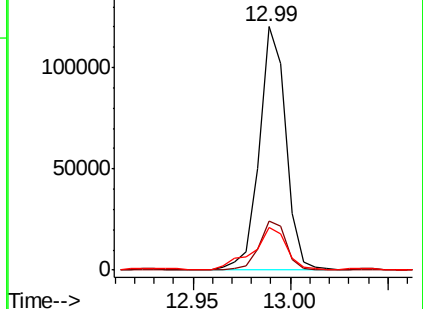
203 17.4 14.3 21.5

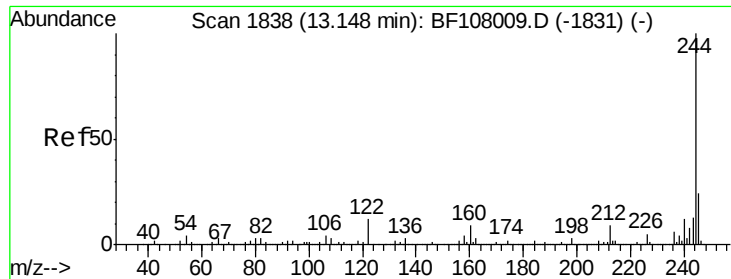


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

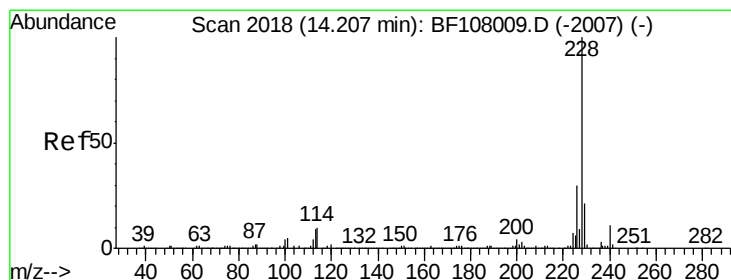
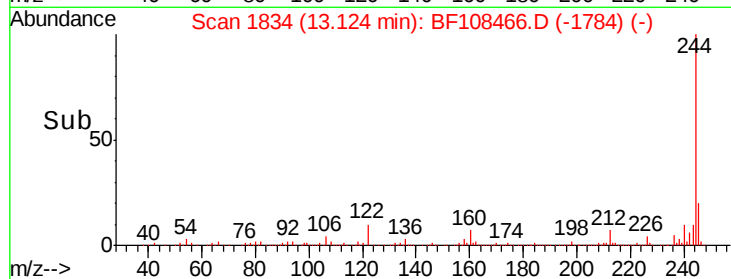
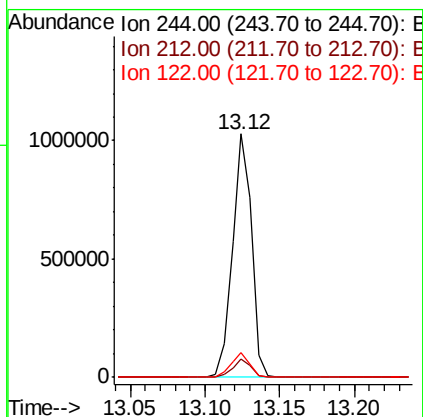
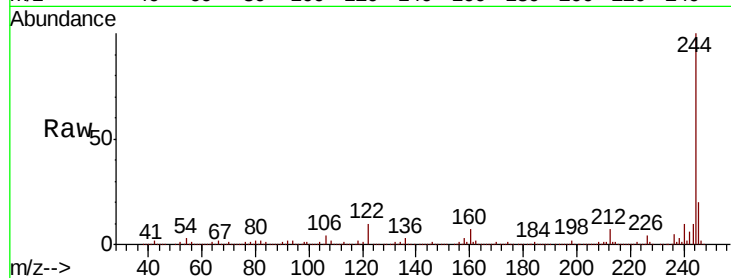




#78
 Terphenyl-d14
 Concen: 82.049 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108466.D
 Acq: 24 Aug 2018 16:31

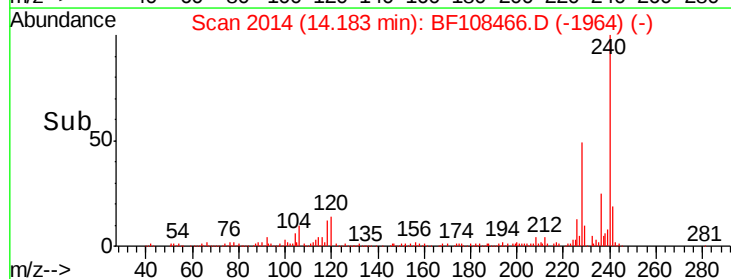
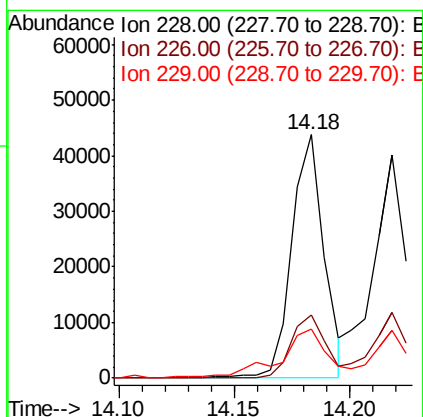
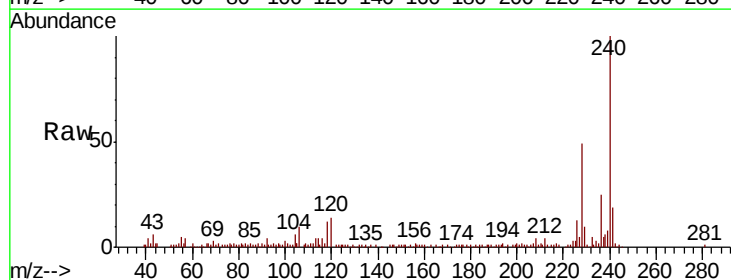
Instrument :
 BNA_G
 ClientSampled :

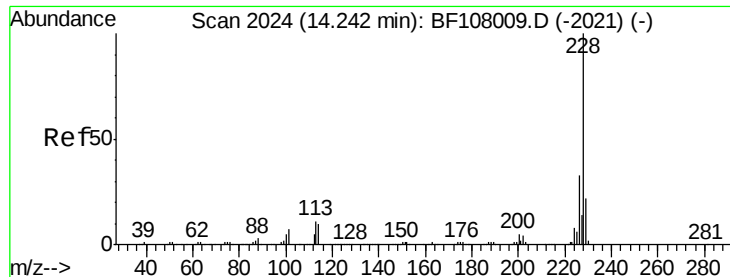
Tot Ion:244 Resp: 927543
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 10.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.568 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108466.D
 Acq: 24 Aug 2018 16:31

Tgt Ion:228 Resp: 42355
 Ion Ratio Lower Upper
 228 100
 226 26.1 22.6 33.8
 229 20.3 15.8 23.6





#82

Chrysene

Concen: 2.431 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

Instrument :

BNA_G

ClientSampleId :

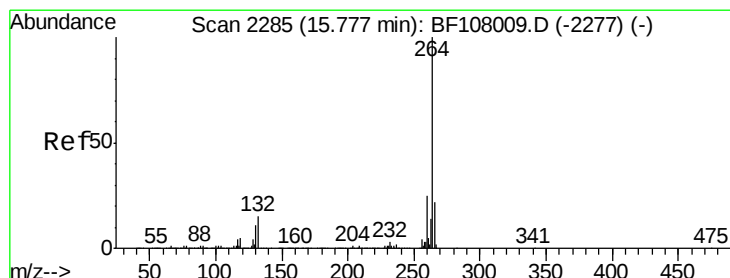
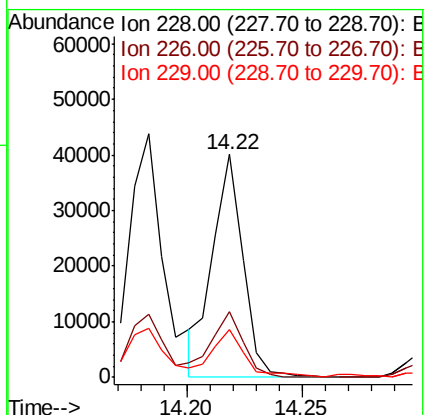
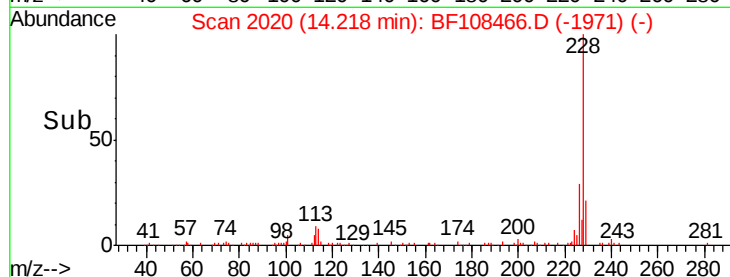
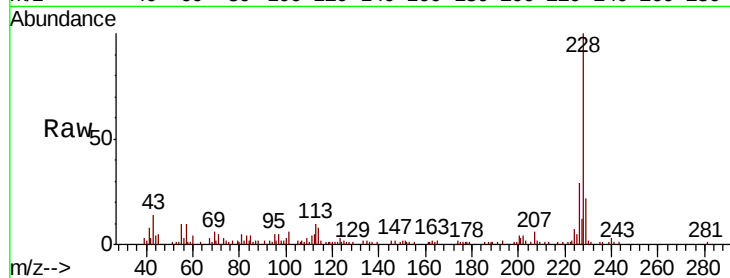
Tot Ion:228 Resp: 36758

Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

229 21.7 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

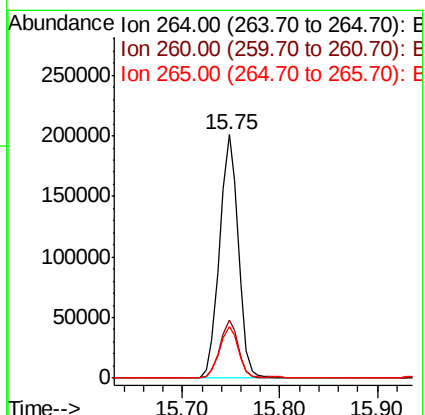
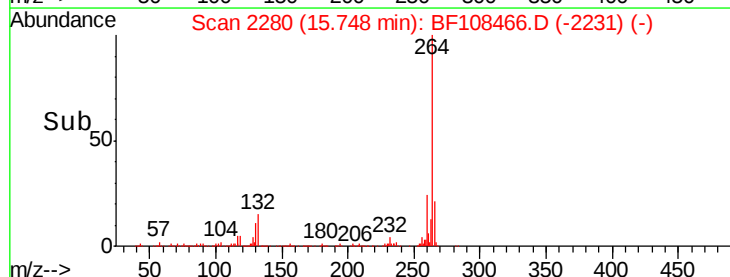
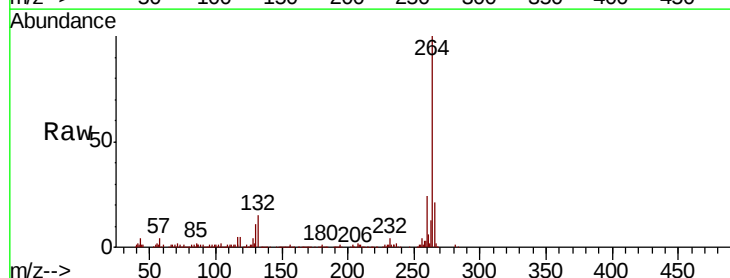
Tgt Ion:264 Resp: 268060

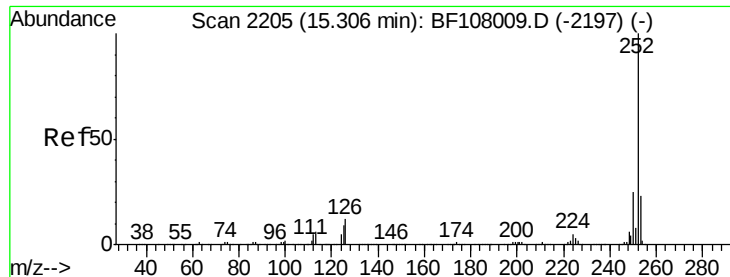
Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.2 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.737 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

Instrument :

BNA_G

ClientSampleId :

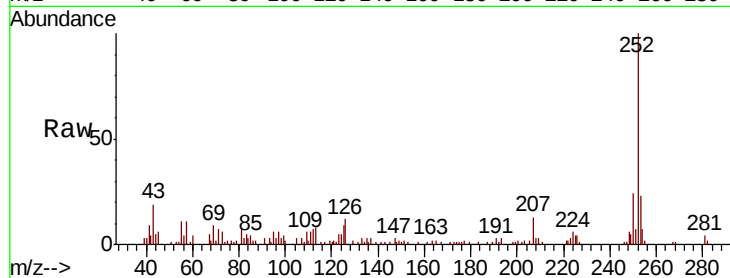
Tot Ion:252 Resp: 59865

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

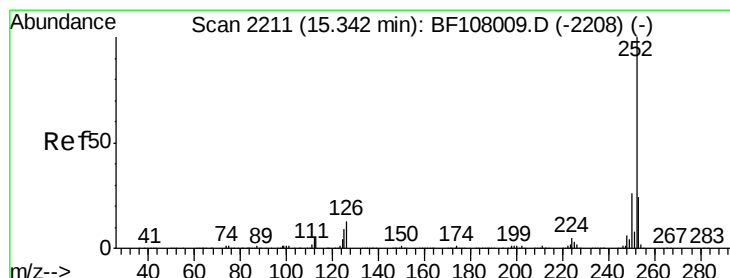
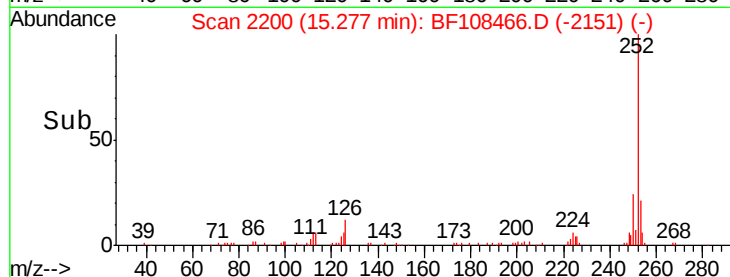
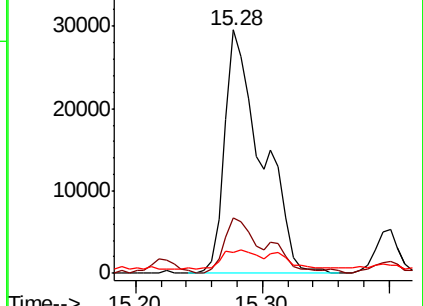
125 8.8 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 4.066 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.05 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

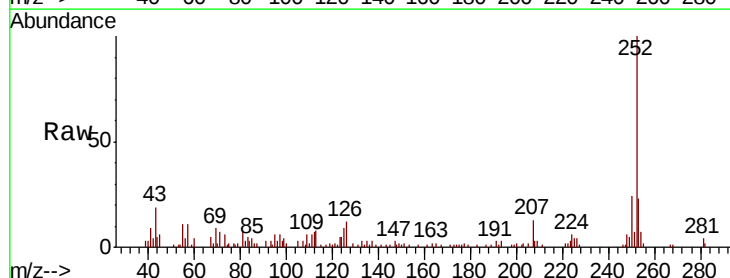
Tgt Ion:252 Resp: 59865

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

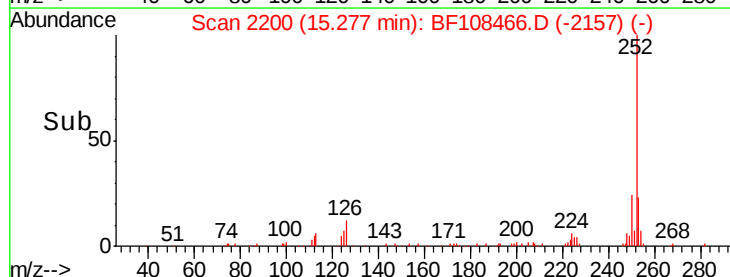
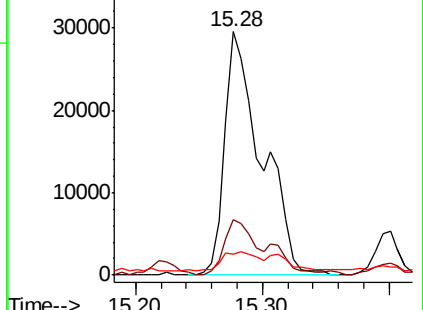
125 8.8 10.2 15.2#

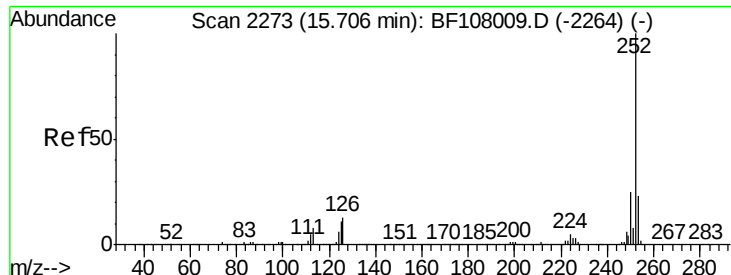


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.360 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108466.D

Acq: 24 Aug 2018 16:31

Instrument :

BNA_G

ClientSampleId :

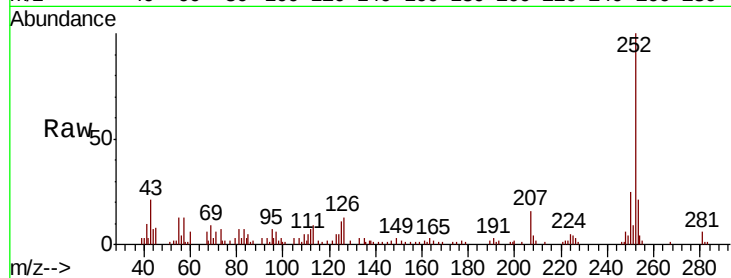
Tot Ion:252 Resp: 33848

Ion Ratio Lower Upper

252 100

253 21.2 17.1 25.7

125 10.8 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

