

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108467.D
 Acq On : 24 Aug 2018 17:06
 Operator : JU/SJ
 Sample : J4581-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 17:30:08 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	141342	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	561847	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	290751	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	571298	20.00	ng	0.00
75) Chrysene-d12	14.19	240	367599	20.00	ng	0.00
86) Perylene-d12	15.75	264	308841	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	755771	96.81	ng	0.00
7) Phenol-d6	6.62	99	1041995	100.44	ng	0.00
23) Nitrobenzene-d5	7.56	82	692303	68.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	325546	112.25	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1180927	65.21	ng	0.00
78) Terphenyl-d14	13.13	244	1263862	87.42	ng	0.00

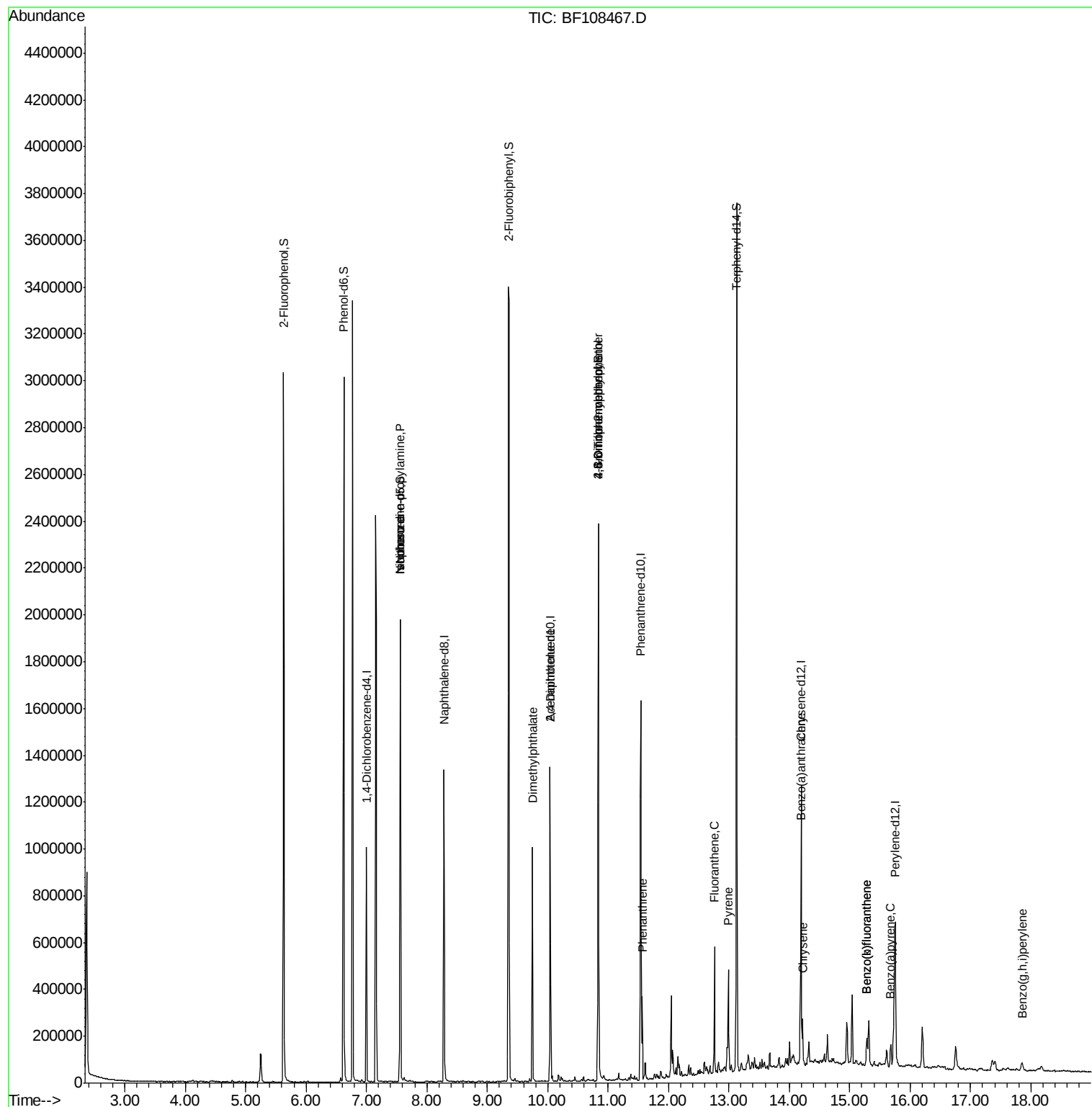
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	93939	13.390	ng	# 85
25) Isophorone	7.56	82	692392	36.078	ng	# 64
49) Dimethylphthalate	9.75	163	372247	18.380	ng	# 99
56) 2,4-Dinitrotoluene	10.04	165	37797	6.930	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	659	5.632	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	21490	3.461	ng	# 1
70) Phenanthrene	11.57	178	126181	4.683	ng	98
74) Fluoranthene	12.76	202	200264	6.810	ng	95
77) Pyrene	12.99	202	190935	8.204	ng	99
80) Benzo(a)anthracene	14.18	228	82816	3.926	ng	100
82) Chrysene	14.22	228	69509	3.594	ng	98
87) Benzo(b)fluoranthene	15.28	252	93158	5.048	ng	96
88) Benzo(k)fluoranthene	15.28	252	93158	5.491	ng	96
89) Benzo(a)pyrene	15.68	252	51086	3.091	ng	97
91) Benzo(a,h,i)perylene	17.85	276	31476	2.338	ng	# 90

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

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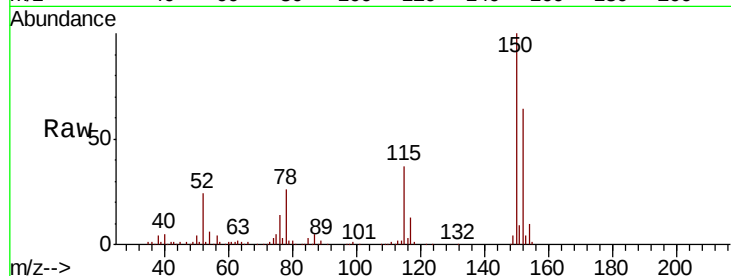


#1

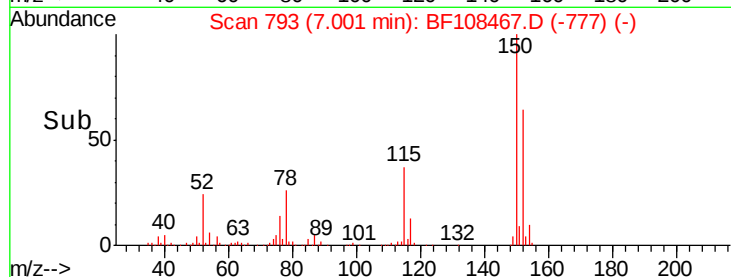
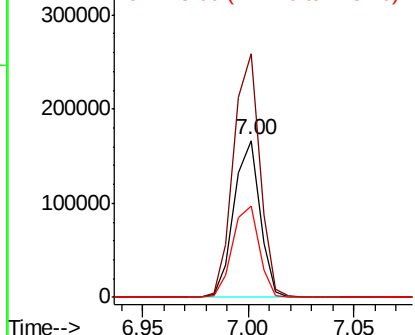
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	57.9	50.1	75.1



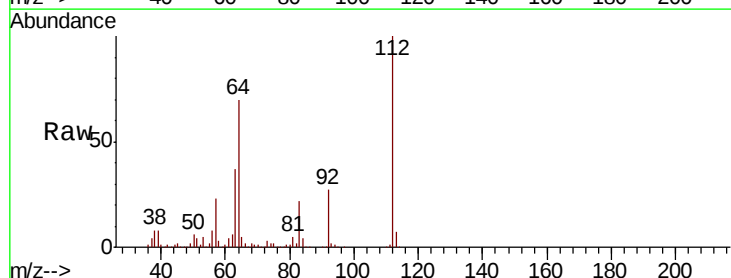
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



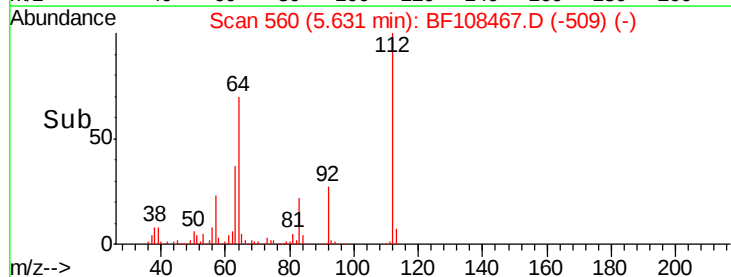
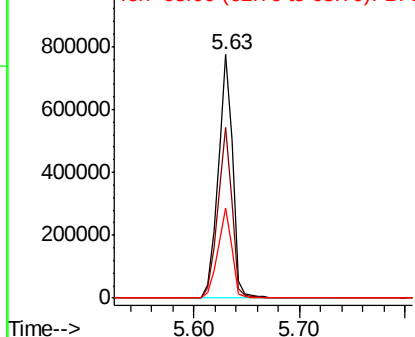
#5

2-Fluorophenol
Concen: 96.807 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	37.2	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: 100.439 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Instrument :

BNA_G

ClientSampled :

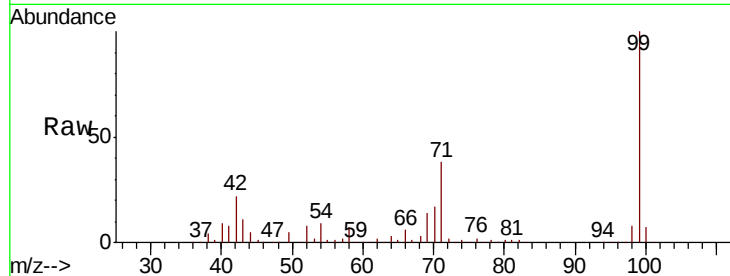
Tot Ion: 99 Resp: 1041995

Ion Ratio Lower Upper

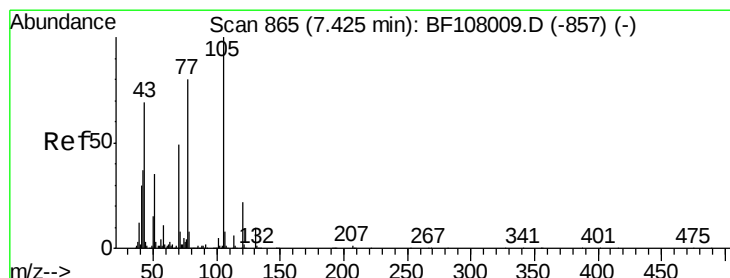
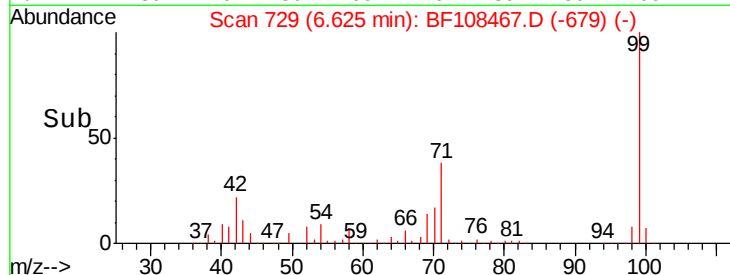
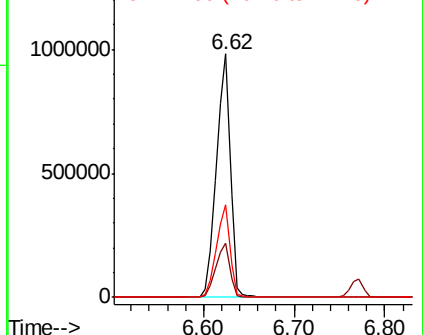
99 100

42 22.4 14.5 21.7#

71 37.9 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: 13.390 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Tgt Ion: 70 Resp: 93939

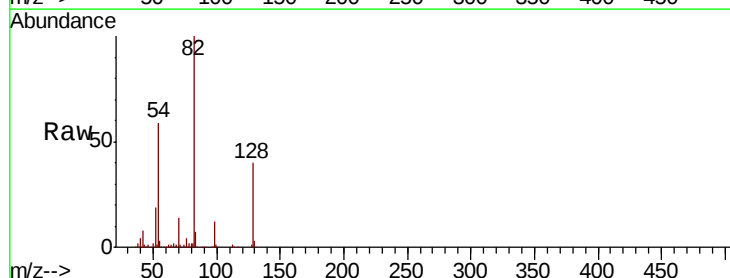
Ion Ratio Lower Upper

70 100

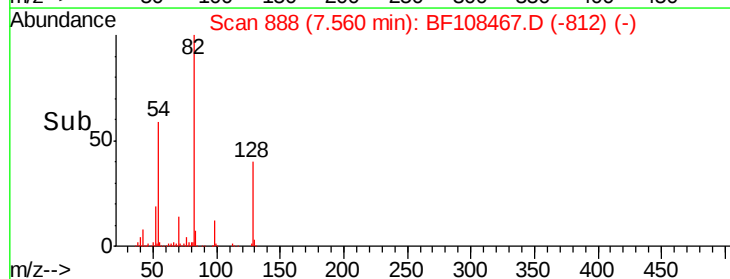
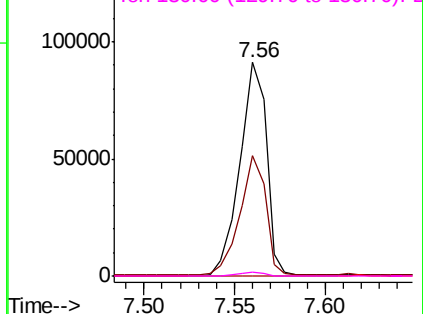
42 56.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 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

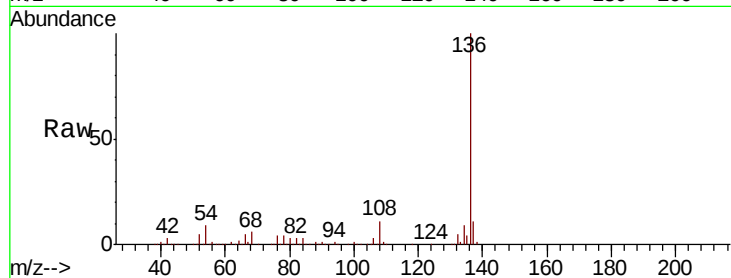
Delta R.T. -0.01 min

Lab File: BF108467.D

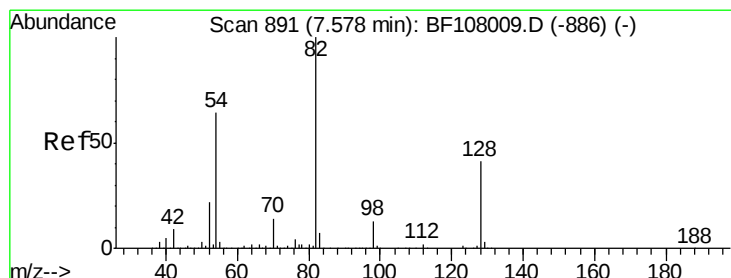
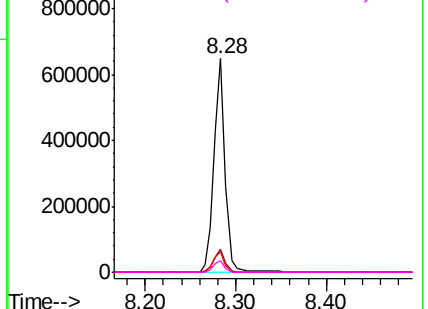
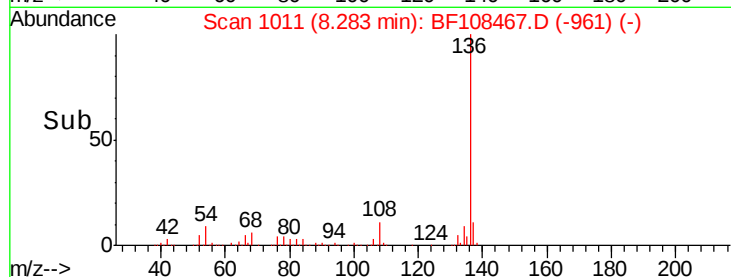
Acq: 24 Aug 2018 17:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	561847
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	9.4	6.6 9.8
68	5.7	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: 68.758 ng

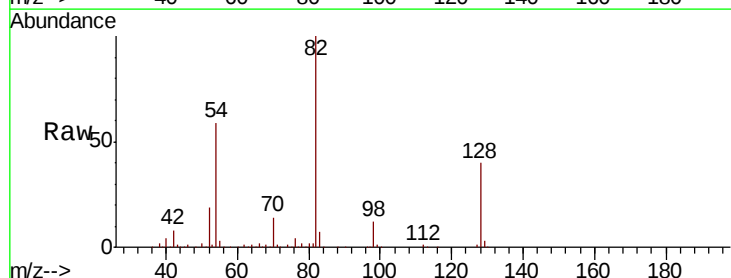
RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

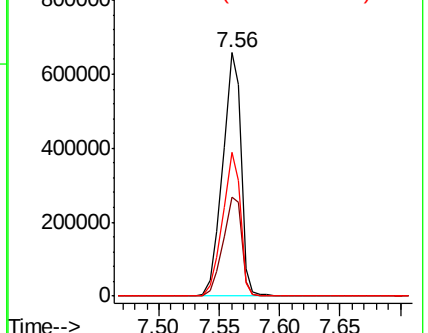
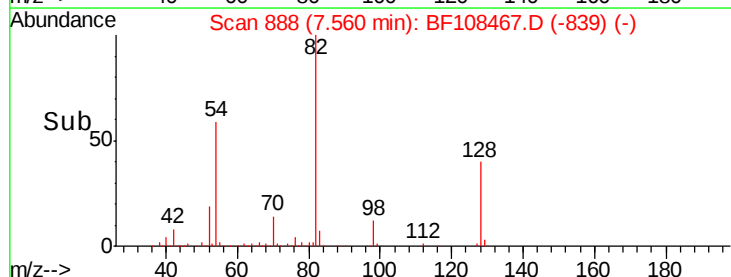
Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Tgt Ion: 82	Resp:	692303
Ion	Ratio	Lower Upper
82	100	
128	40.5	36.1 54.1
54	59.1	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: 36.078 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Instrument :

BNA_G

ClientSampleId :

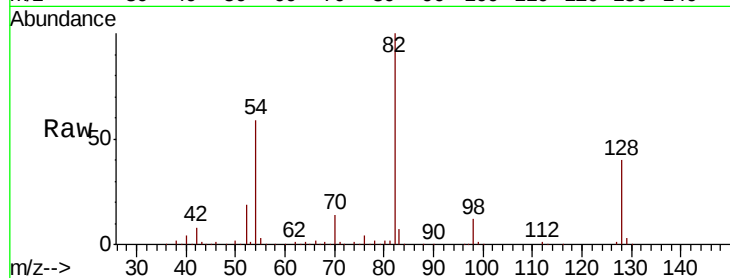
Tot Ion: 82 Resp: 692392

Ion Ratio Lower Upper

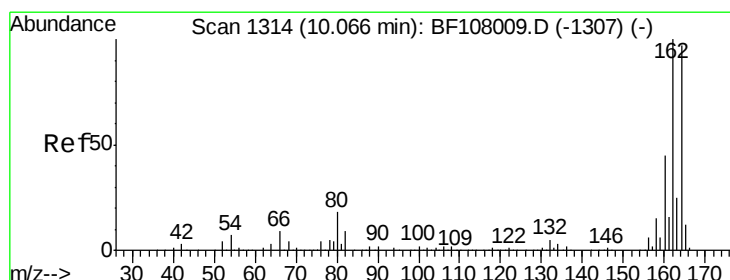
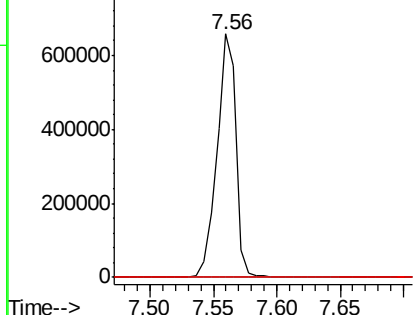
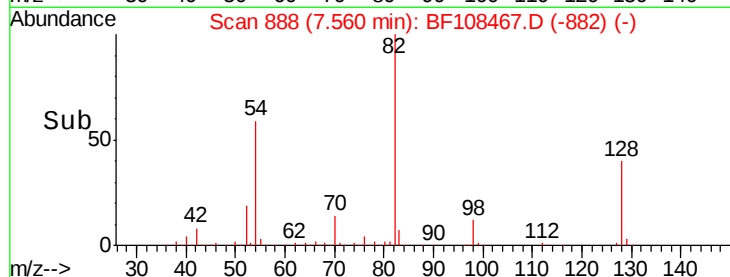
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

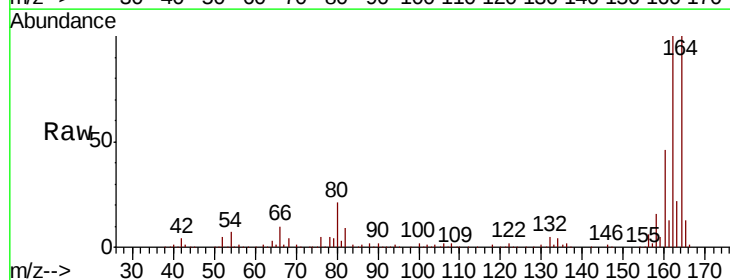
Tgt Ion:164 Resp: 290751

Ion Ratio Lower Upper

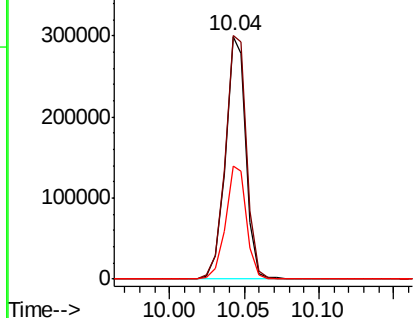
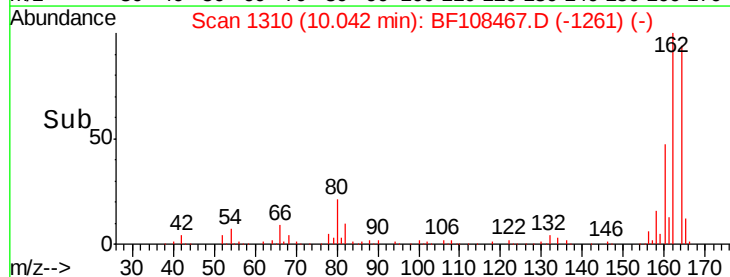
164 100

162 100.2 86.1 129.1

160 46.4 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

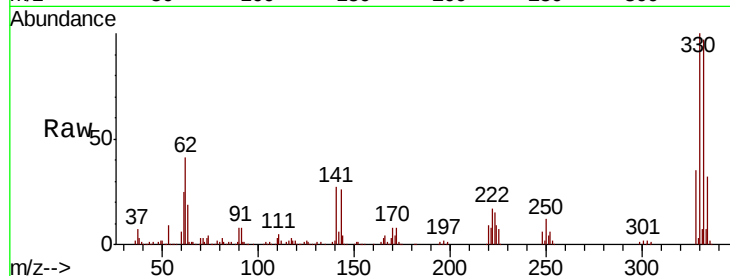




#41
 2,4,6-Tribromophenol
 Concen: 112.251 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	32.7	29.9	44.9

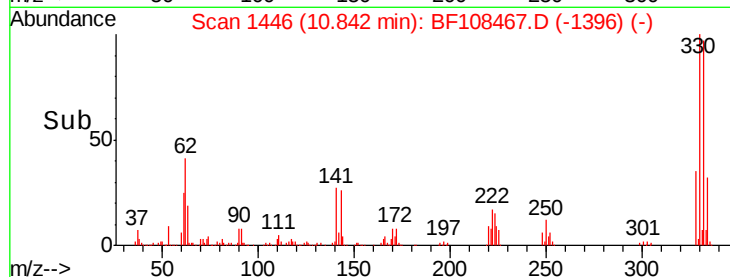
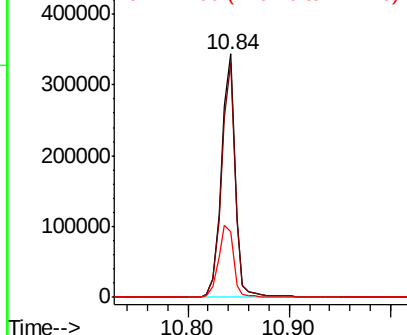


Abundance

Ion 329.80 (329.50 to 330.50): E

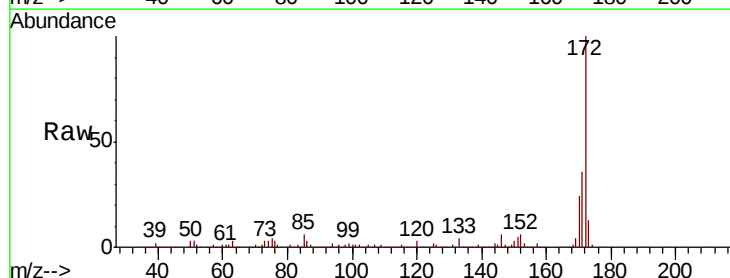
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 65.208 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.4	19.6	29.4

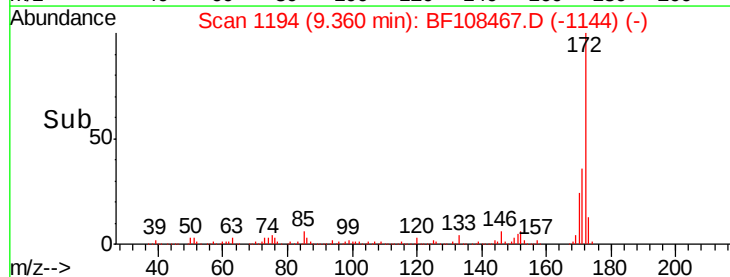
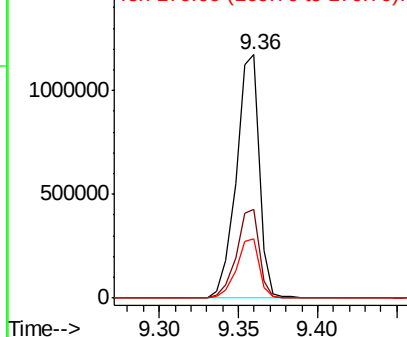


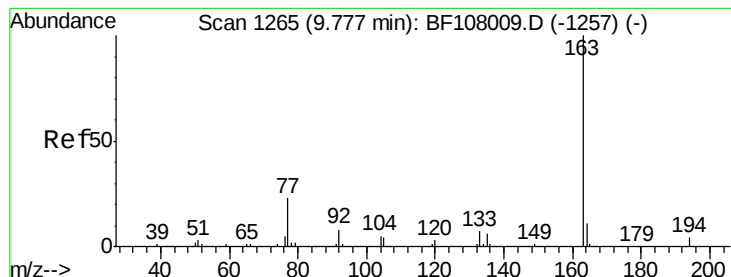
Abundance

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: 18.380 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Instrument :

BNA_G

ClientSampleId :

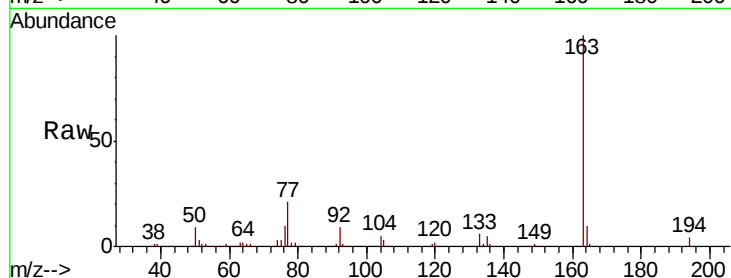
Tot Ion:163 Resp: 372247

Ion Ratio Lower Upper

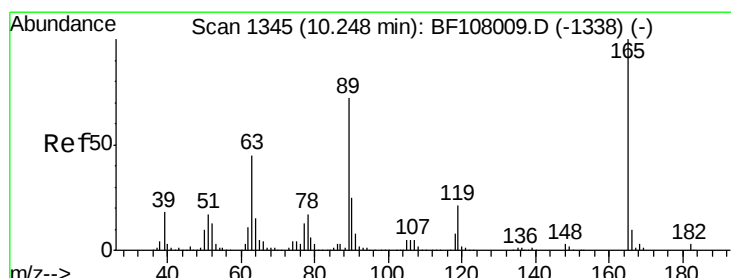
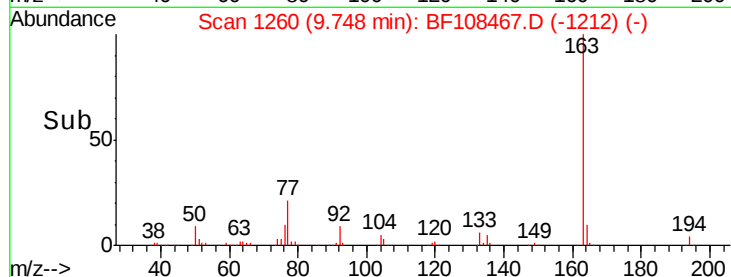
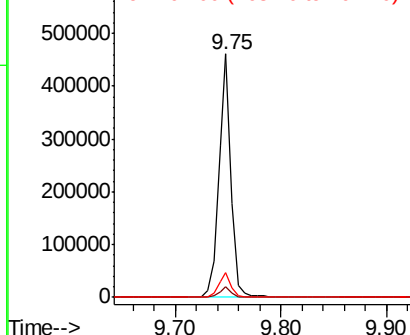
163 100

194 4.2 2.7 4.1#

164 10.1 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: 6.930 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.19 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Tgt Ion:165 Resp: 37797

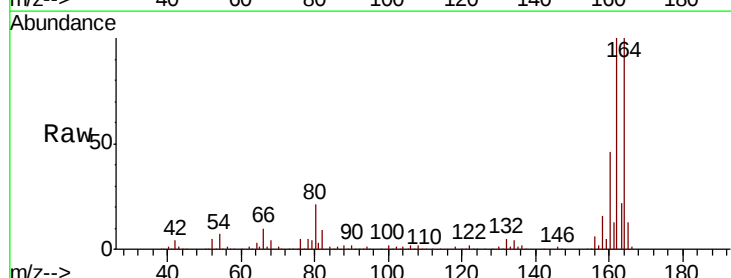
Ion Ratio Lower Upper

165 100

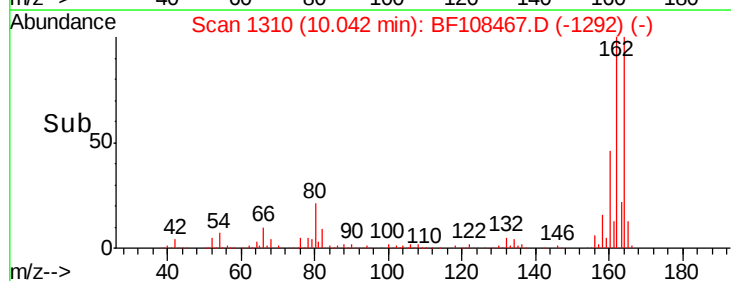
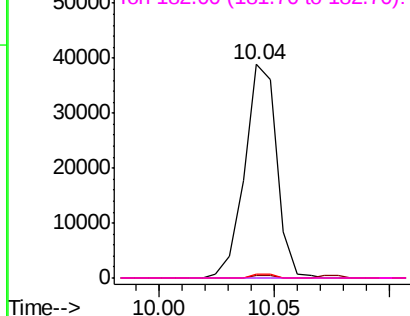
63 1.3 36.4 54.6#

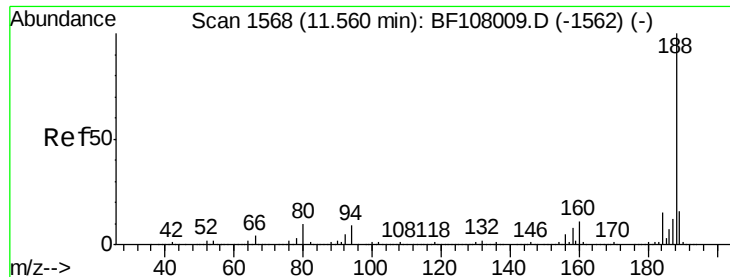
89 1.7 57.8 86.6#

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

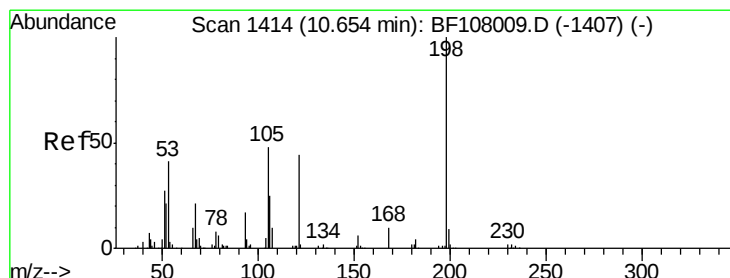
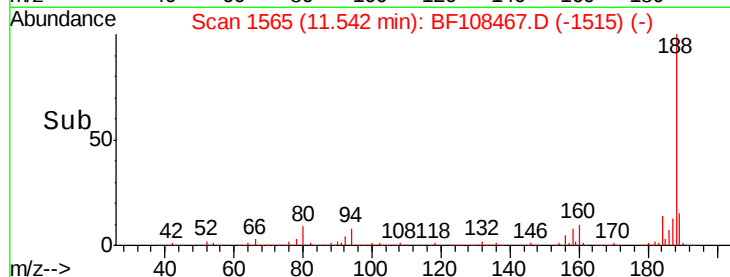
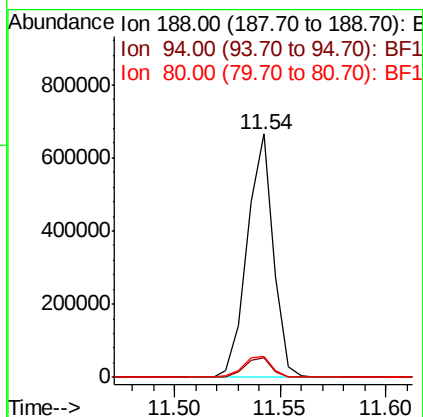
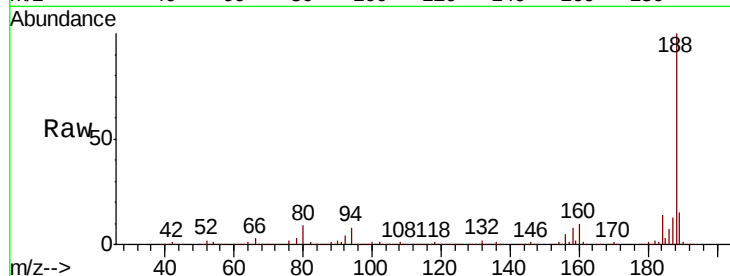




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

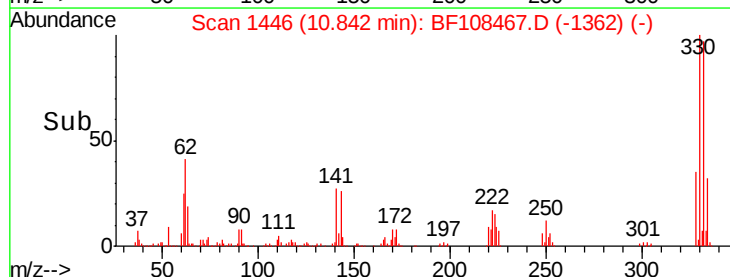
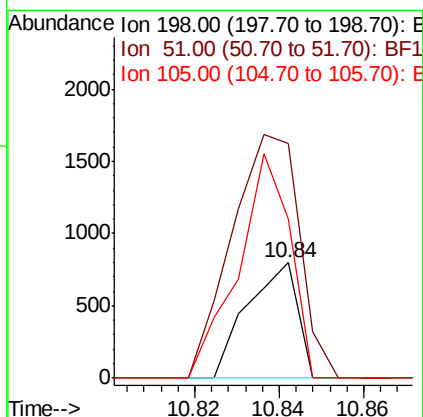
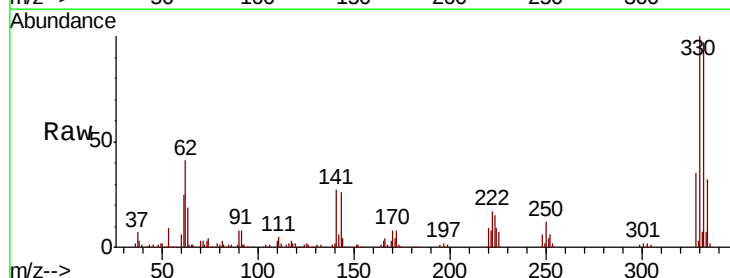
Instrument :
 BNA_G
 ClientSampleId :

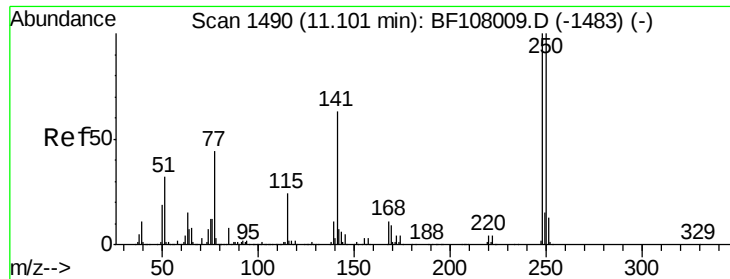
Tot Ion:188 Resp: 571298
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.5 12.7#
 80 8.8 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.632 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.19 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Tgt Ion:198 Resp: 659
 Ion Ratio Lower Upper
 198 100
 51 203.9 37.7 77.7#
 105 137.7 36.3 76.3#

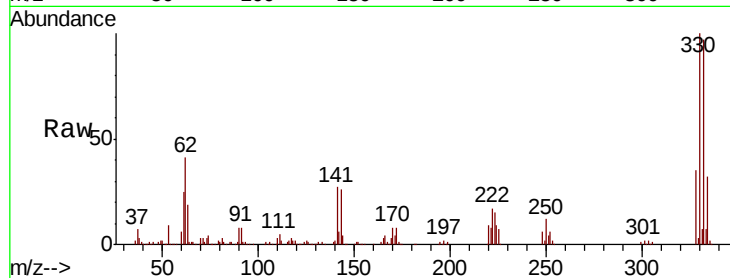




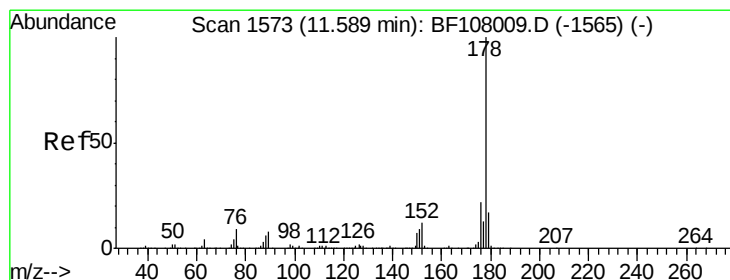
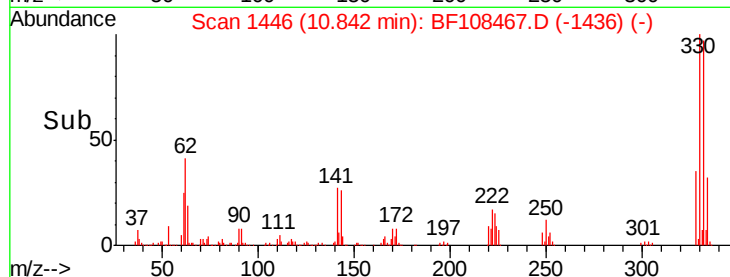
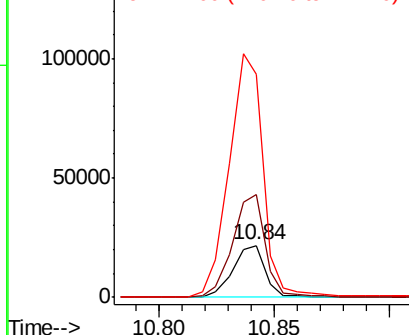
#66
4-Bromophenyl-phenylether
Concen: 3.461 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.24 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21490
Ion Ratio Lower Upper
248 100
250 196.2 76.9 115.3#
141 428.2 74.4 111.6#

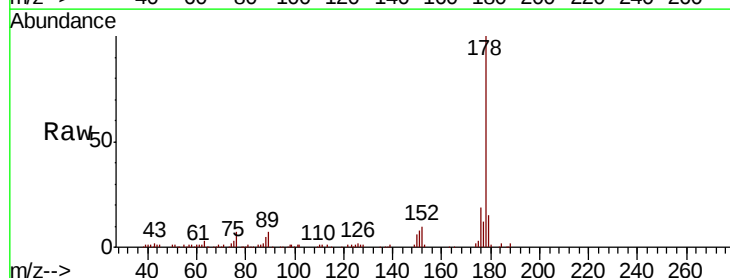


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

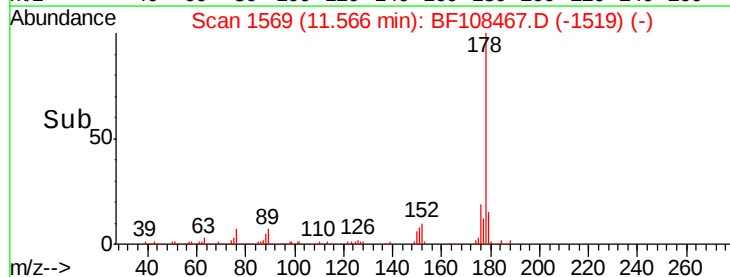
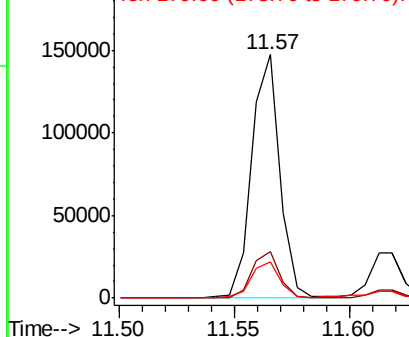


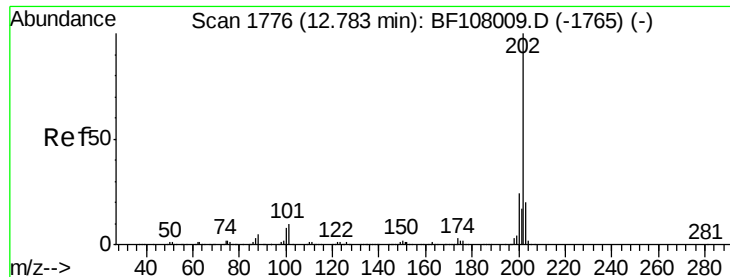
#70
Phenanthrene
Concen: 4.683 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Tgt Ion:178 Resp: 126181
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.1 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

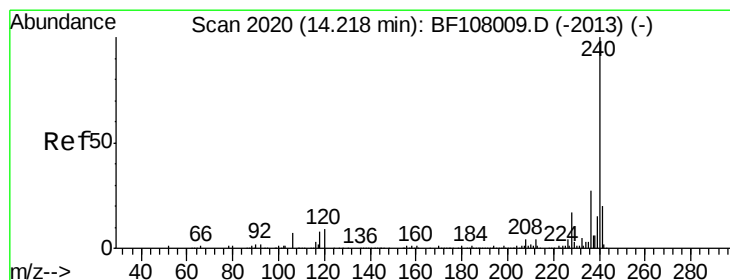
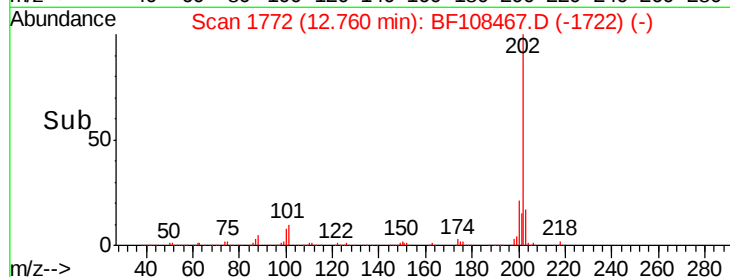
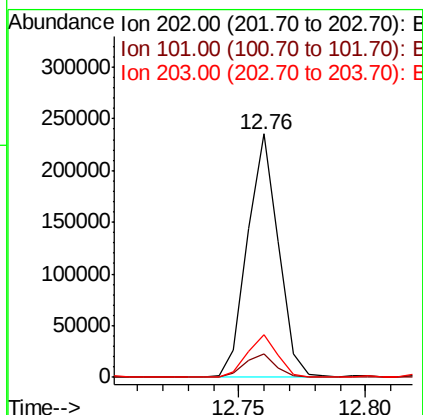
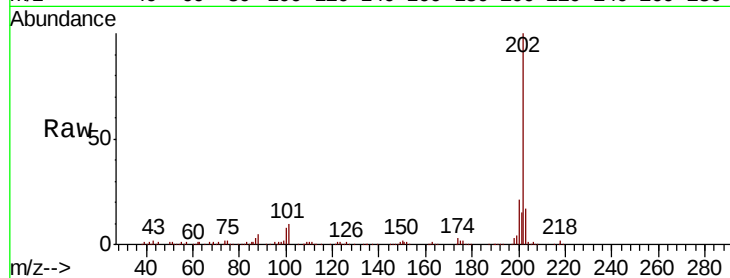




#74
 Fluoranthene
 Concen: 6.810 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

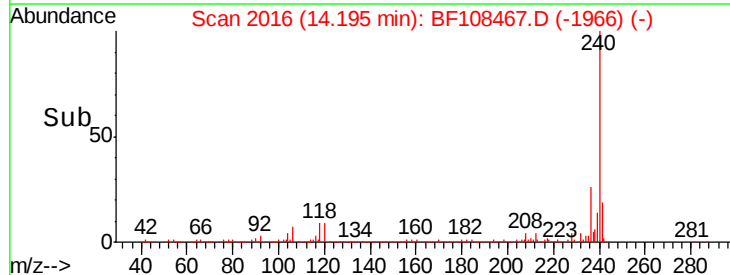
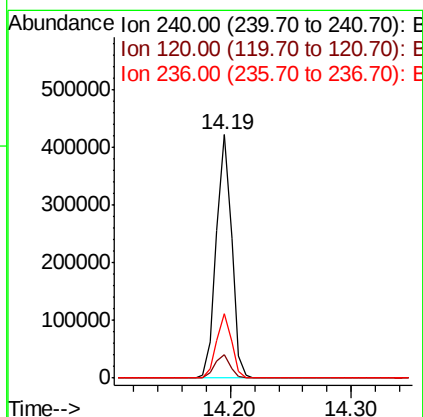
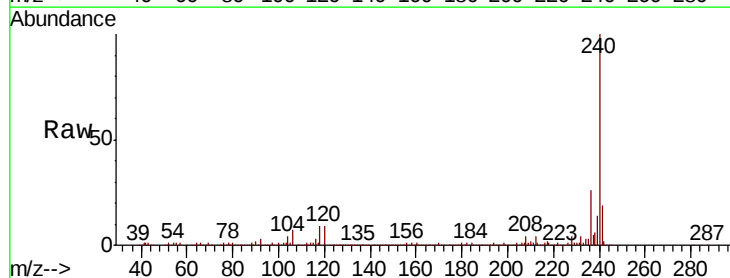
Instrument :
 BNA_G
 ClientSampleId :

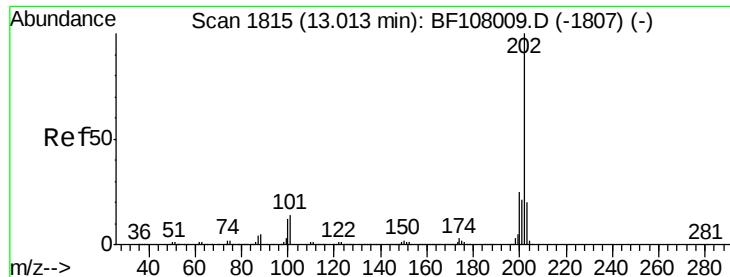
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.1
203	17.4	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3#
236	26.5	20.7	31.1





#77

Pvrene

Concen: 8.204 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Instrument :

BNA_G

ClientSampleId :

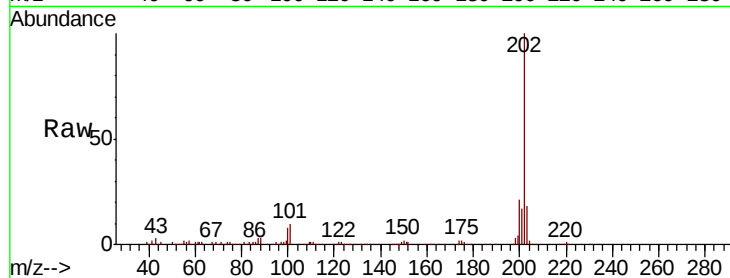
Tot Ion:202 Resp: 190935

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

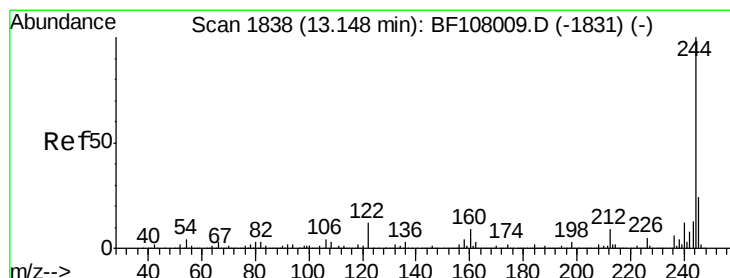
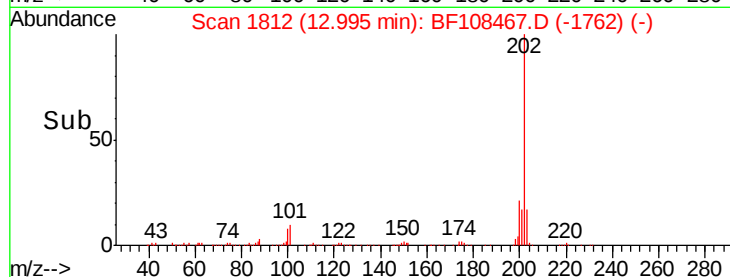
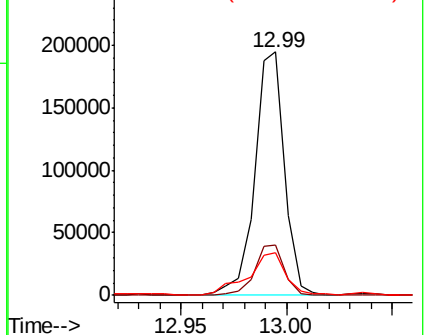
203 17.8 14.3 21.5



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: 87.417 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

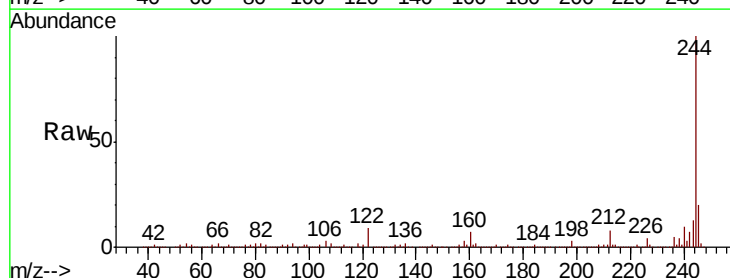
Tgt Ion:244 Resp: 1263862

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

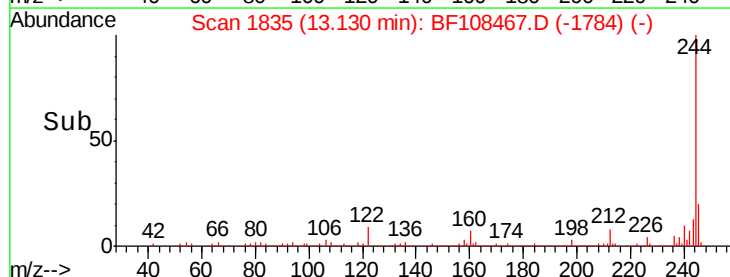
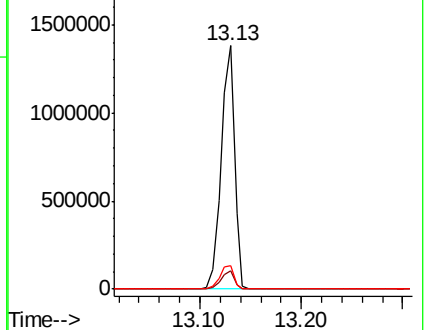
122 9.5 11.0 16.4#

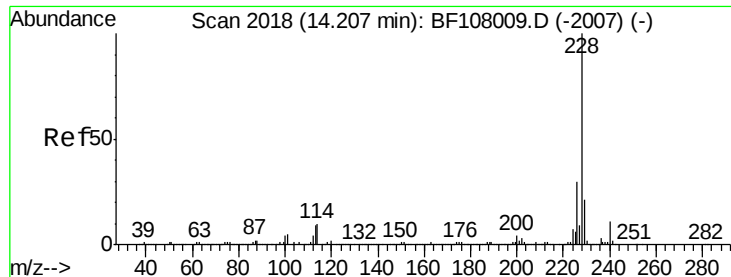


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

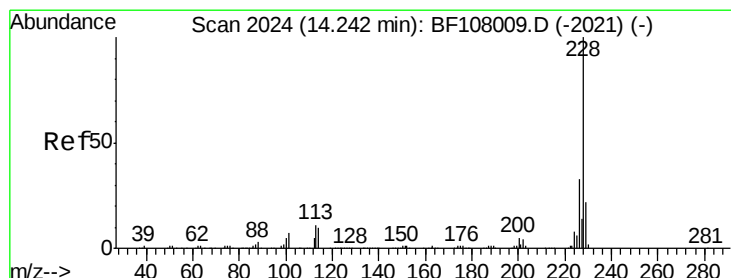
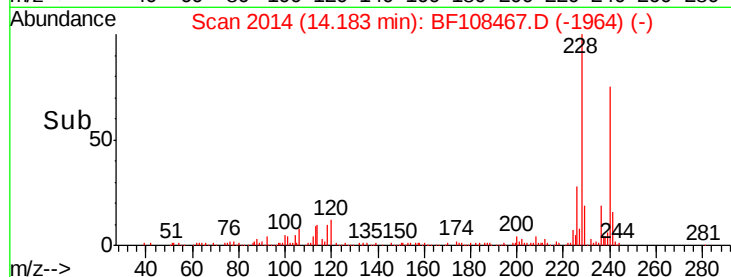
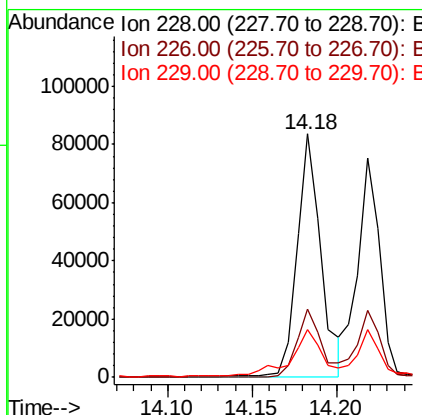
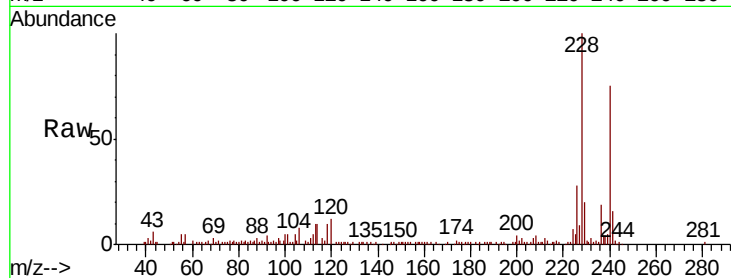




#80
Benzo(a)anthracene
Concen: 3.926 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

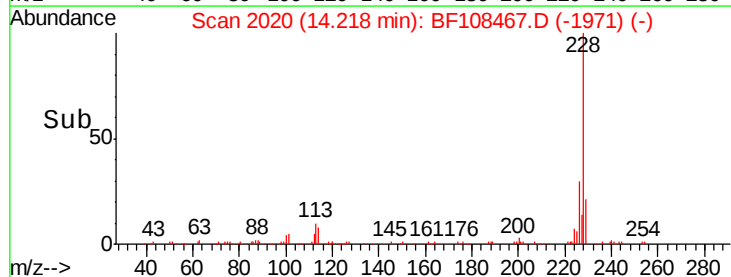
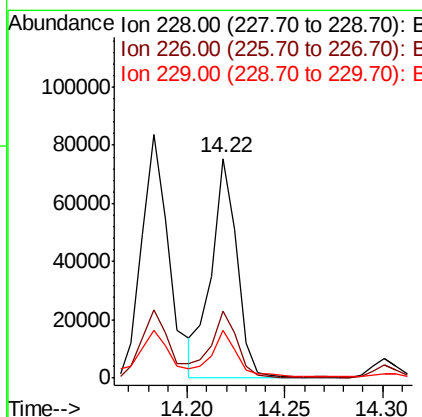
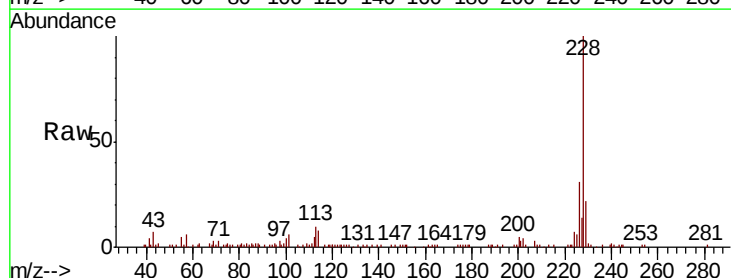
Instrument :
BNA_G
ClientSampleId :

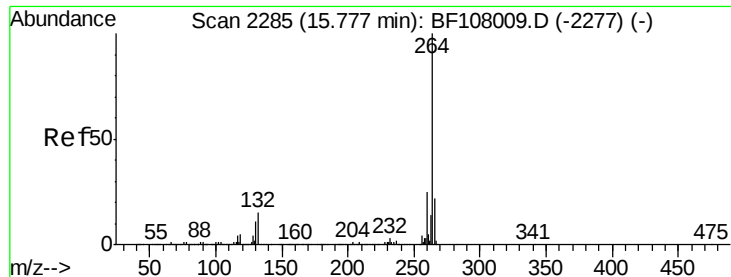
Tot Ion:228 Resp: 82816
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 19.8 15.8 23.6



#82
Chrysene
Concen: 3.594 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Tgt Ion:228 Resp: 69509
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 21.8 16.2 24.4

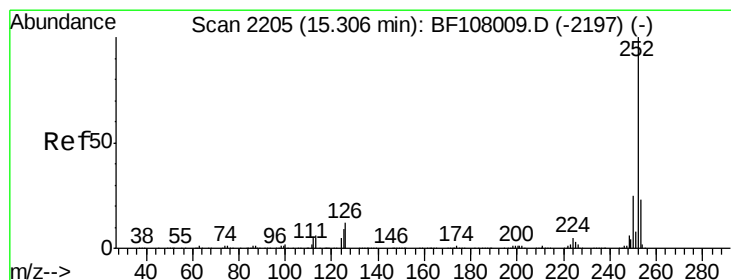
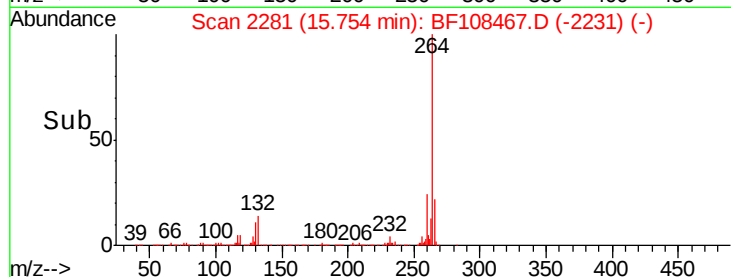
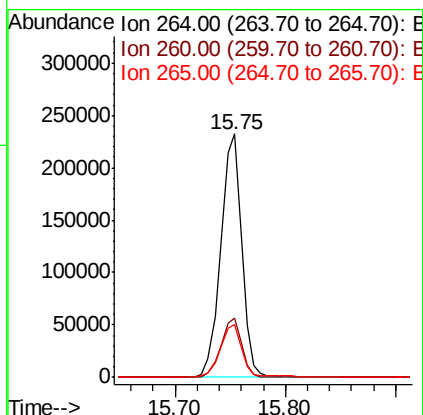
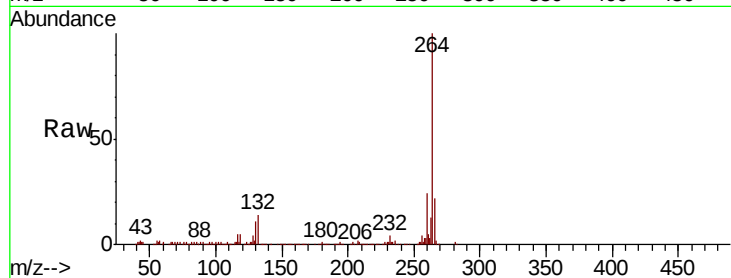




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

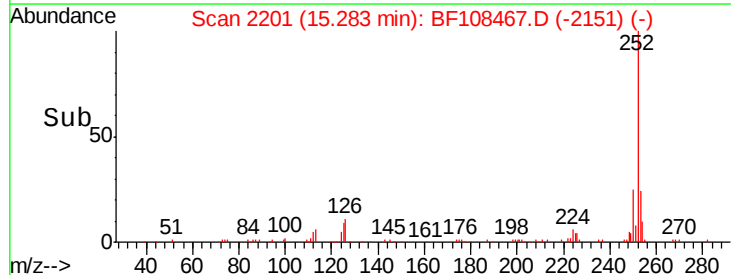
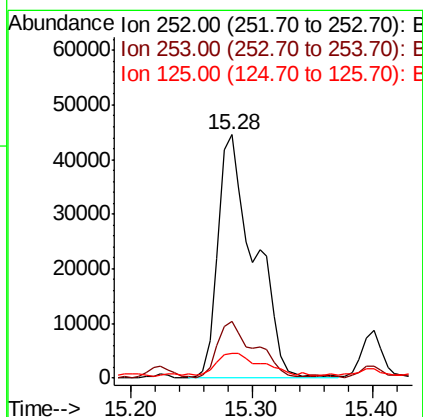
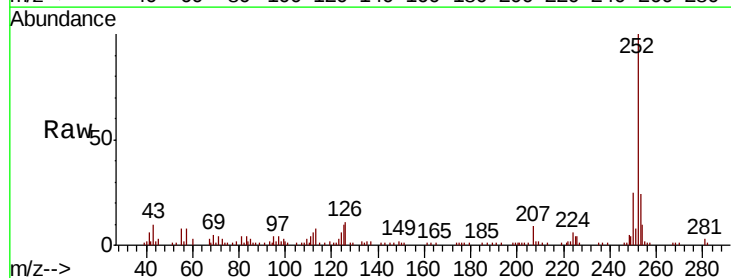
Instrument :
BNA_G
ClientSampleId :

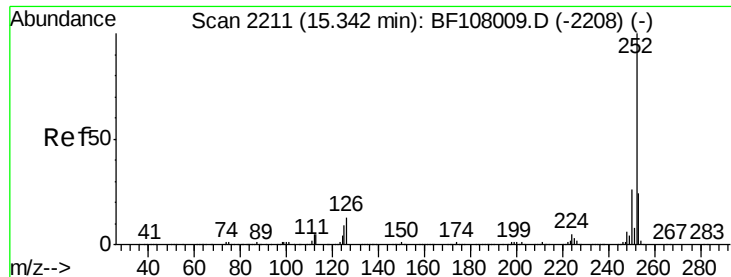
Tot Ion:264 Resp: 308841
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.048 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Tgt Ion:252 Resp: 93158
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 10.2 9.0 13.6

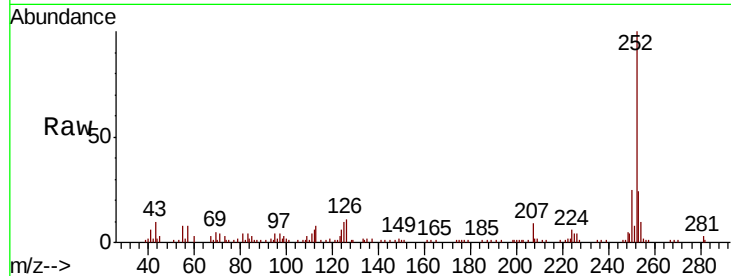




#88
Benzo(k)fluoranthene
Concen: 5.491 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	10.2	10.2	15.2

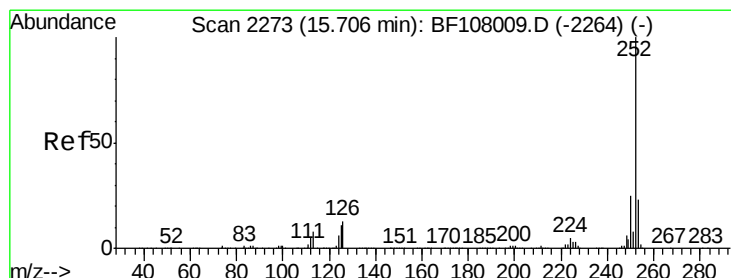
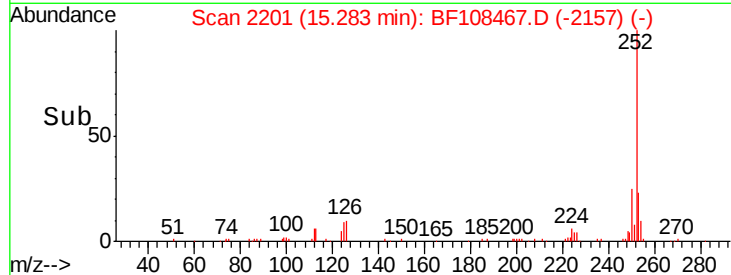
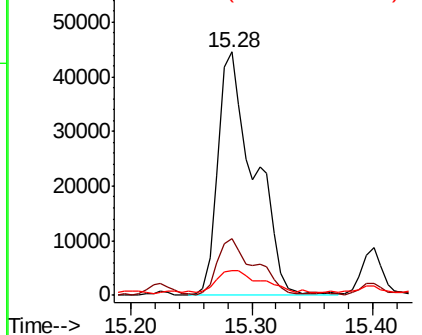


Abundance

Ion 252.00 (251.70 to 252.70): E

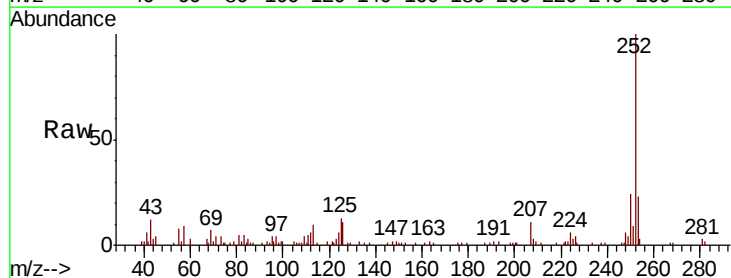
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 3.091 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.1	9.8	14.6

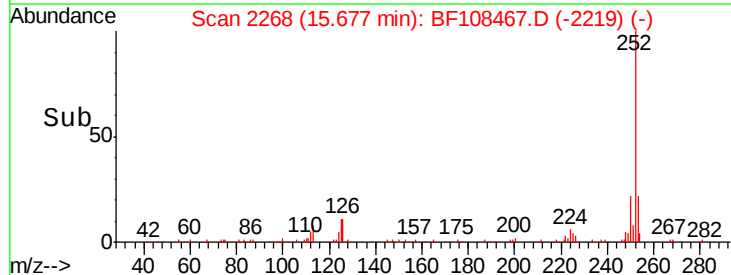
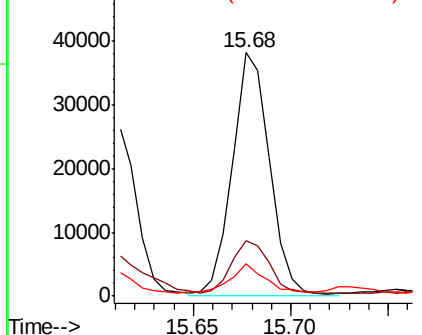


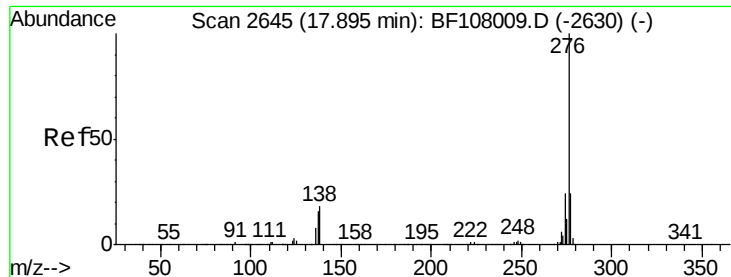
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.338 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Instrument :

BNA_G

ClientSampleId :

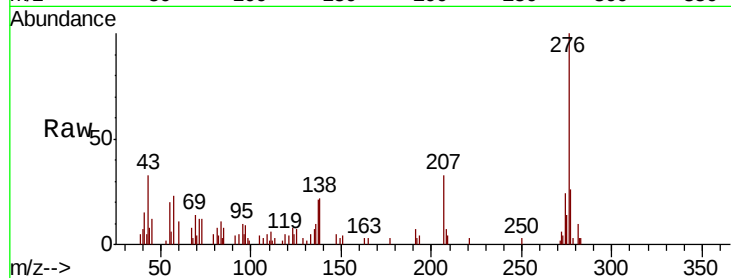
Tot Ion: 276 Resp: 31476

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 21.6 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

