

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108510.D
 Acq On : 27 Aug 2018 15:08
 Operator : JU/SJ
 Sample : J4646-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 16:16:06 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	135246	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	519263	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	253900	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	443251	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	305170	20.00	ng	0.00
86) Perylene-d12	15.75	264	291342	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	693887	92.89	ng	0.00
7) Phenol-d6	6.62	99	943483	95.04	ng	0.00
23) Nitrobenzene-d5	7.56	82	627214	67.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	251870	99.45	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1187262	75.07	ng	-0.01
78) Terphenyl-d14	13.12	244	918859	76.56	ng	0.00

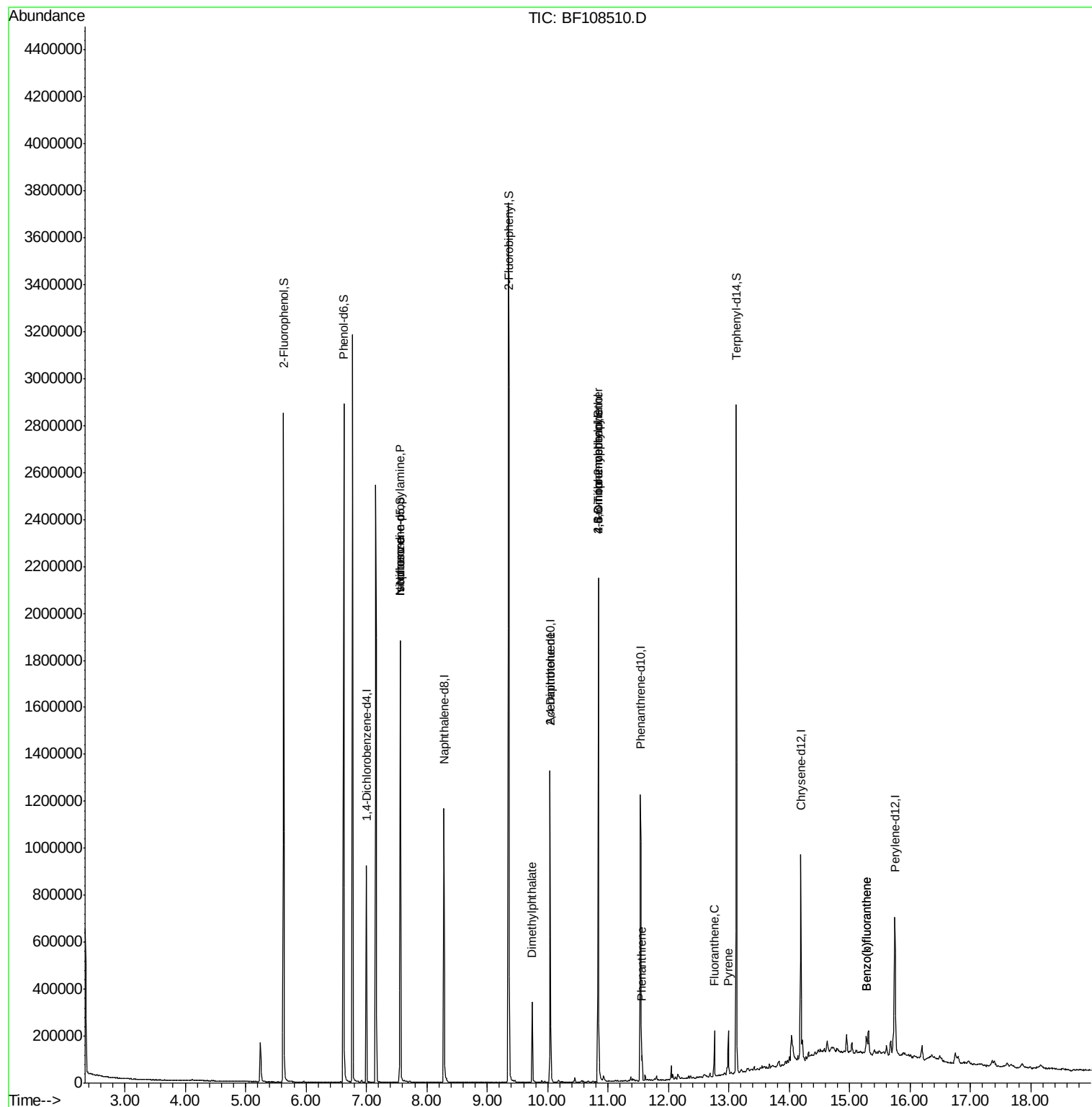
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	84106	12.529	ng	# 83
25) Isophorone	7.56	82	627209	35.362	ng	# 64
49) Dimethylphthalate	9.75	163	147458	8.337	ng	# 99
56) 2,4-Dinitrotoluene	10.04	165	32452	6.813	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	483	5.616	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	16539	3.433	ng	# 1
70) Phenanthrene	11.56	178	47719	2.282	ng	98
74) Fluoranthene	12.76	202	78580	3.444	ng	93
77) Pyrene	12.99	202	71602	3.706	ng	100
87) Benzo(b)fluoranthene	15.28	252	55898	3.211	ng	# 91
88) Benzo(k)fluoranthene	15.28	252	55898	3.493	ng	94

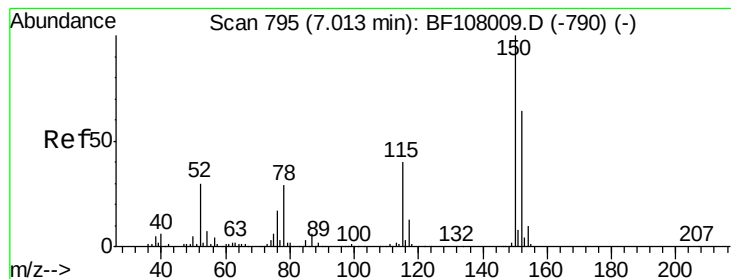
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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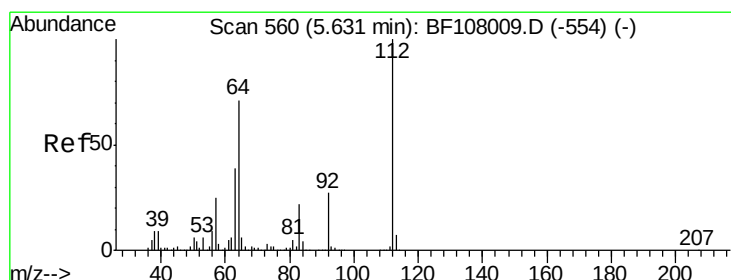
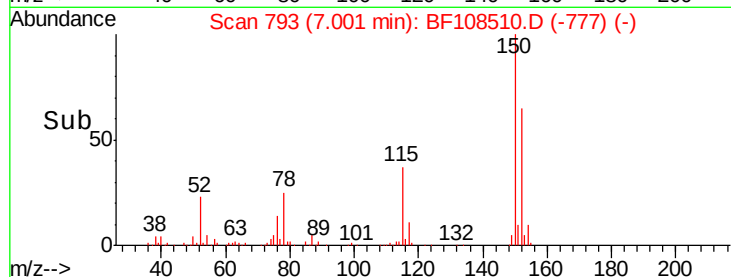
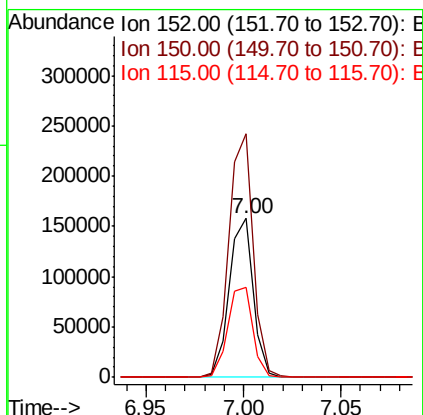
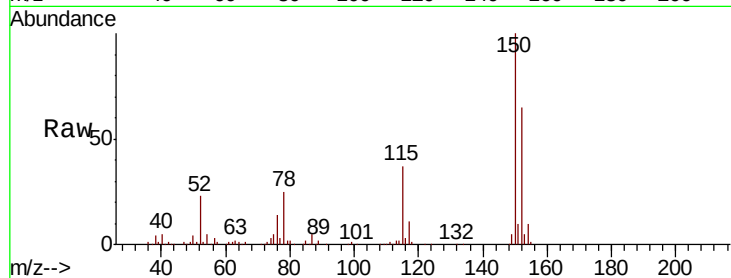


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108510.D
Acq: 27 Aug 2018 15:08

Instrument :
BNA_F
ClientSampleId :

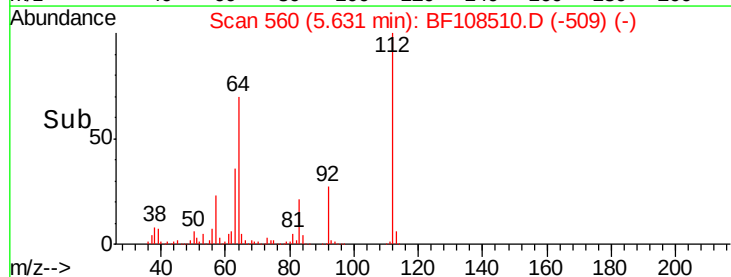
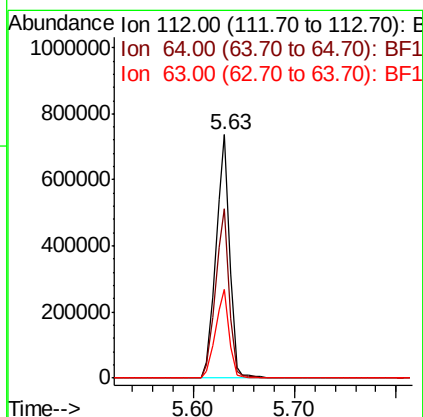
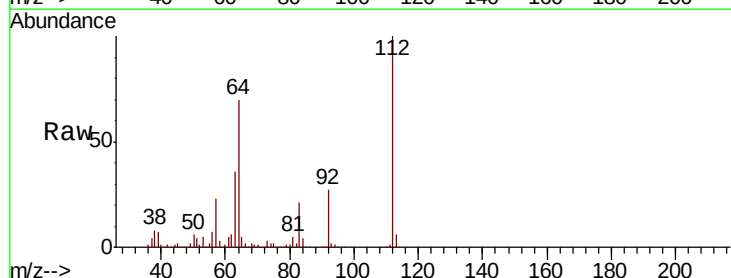
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	56.6	50.1	75.1

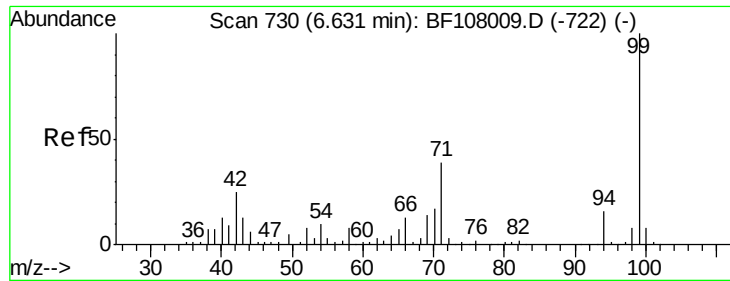


#5

2-Fluorophenol
Concen: 92.886 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108510.D
Acq: 27 Aug 2018 15:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	47.9	71.9
63	36.2	23.7	35.5#





#7

Phenol-d6

Concen: 95.042 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

Instrument :

BNA_F

ClientSampleId :

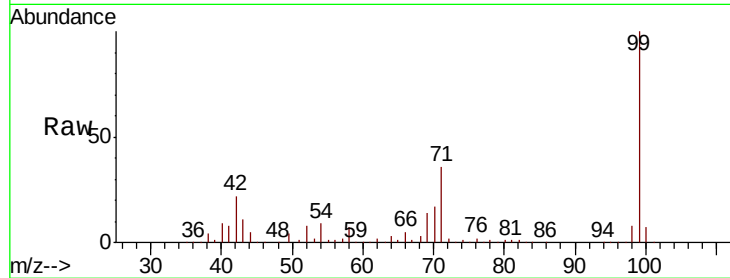
Tot Ion: 99 Resp: 943483

Ion Ratio Lower Upper

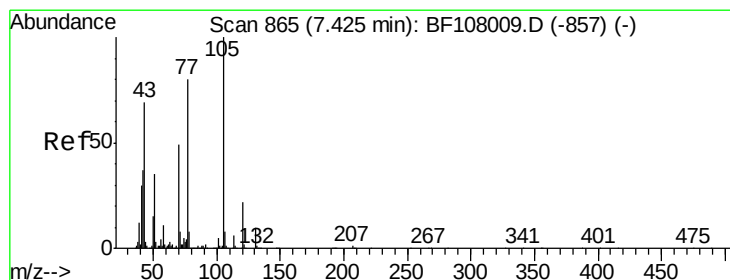
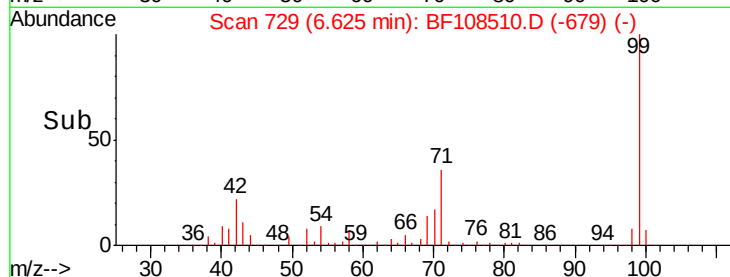
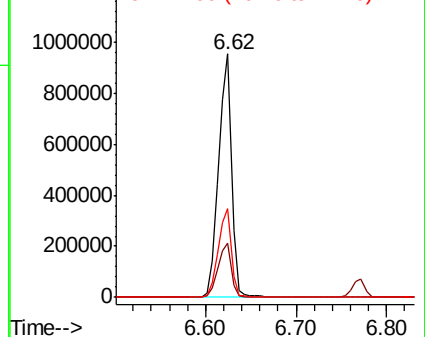
99 100

42 22.1 14.5 21.7#

71 36.2 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: 12.529 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

Tgt Ion: 70 Resp: 84106

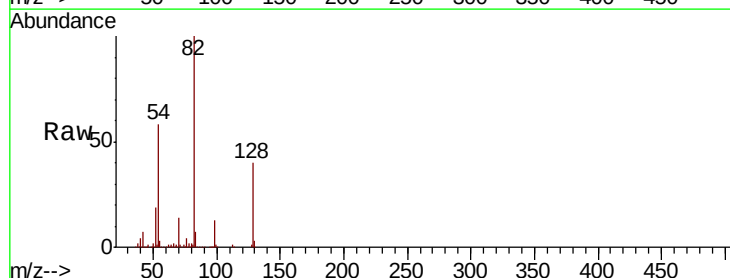
Ion Ratio Lower Upper

70 100

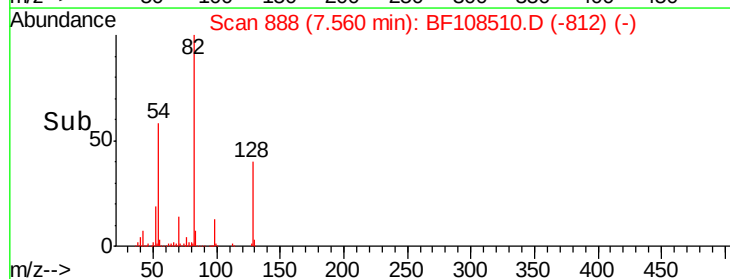
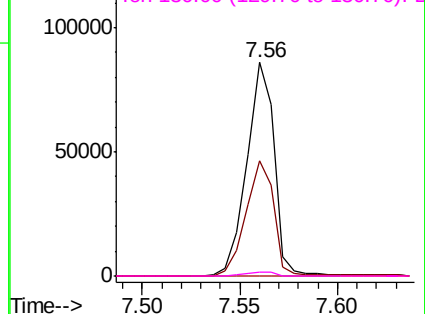
42 54.0 47.5 71.3

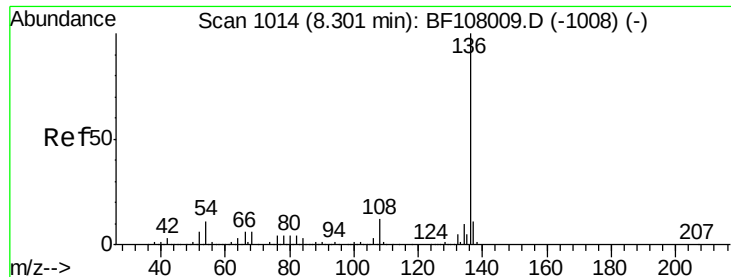
101 0.0 7.4 11.2#

130 2.1 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

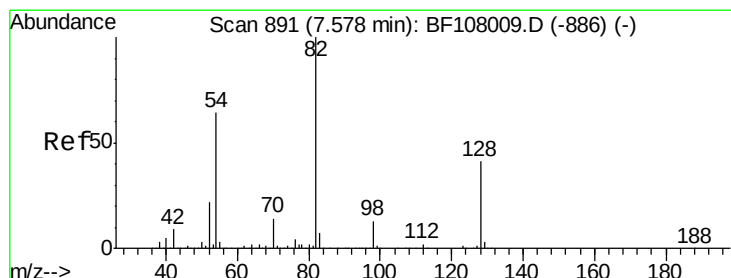
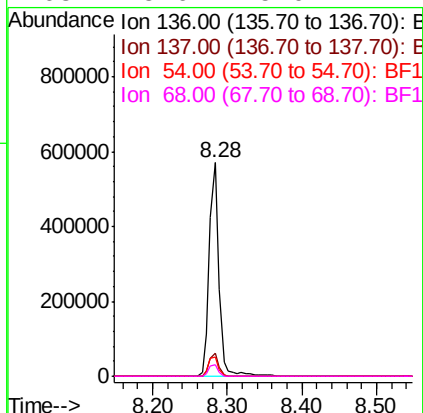
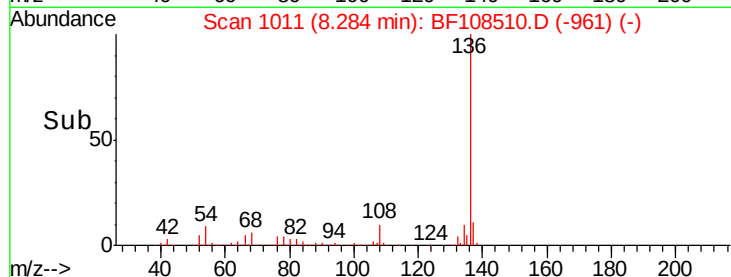
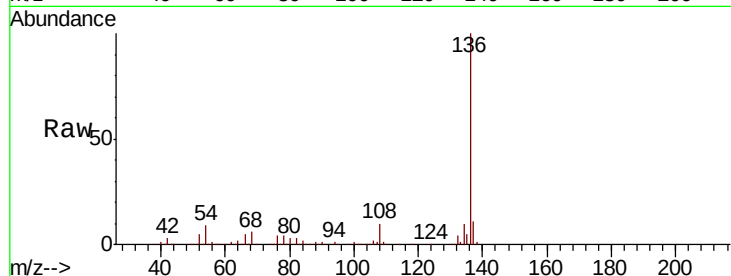




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108510.D
Acq: 27 Aug 2018 15:08

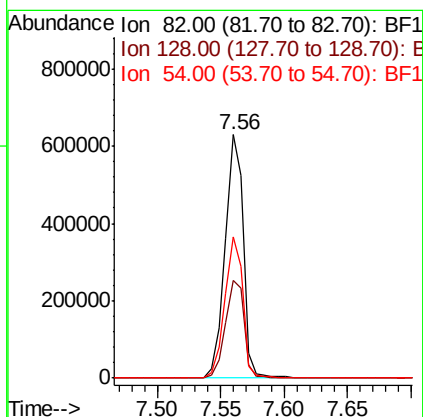
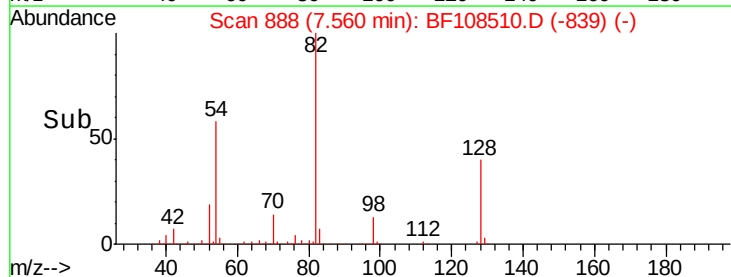
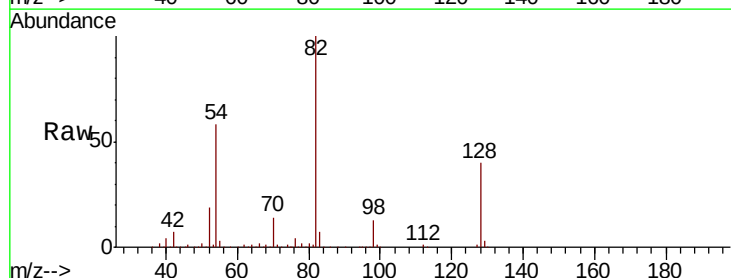
Instrument :
BNA_F
ClientSampleId :

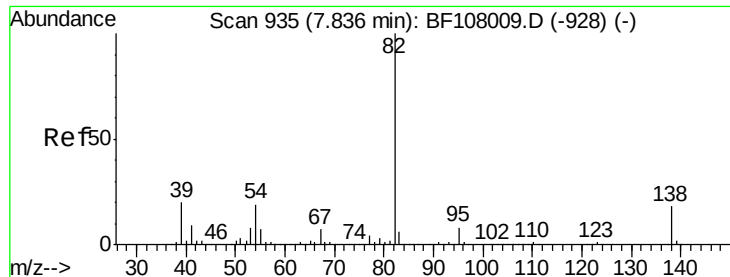
Tot Ion:136	Resp:	519263
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	9.2	6.6 9.8
68	5.6	5.0 7.4



#23
Nitrobenzene-d5
Concen: 67.402 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108510.D
Acq: 27 Aug 2018 15:08

Tgt Ion: 82	Resp:	627214
Ion	Ratio	Lower Upper
82	100	
128	40.1	36.1 54.1
54	58.2	41.4 62.2





#25

Isophorone

Concen: 35.362 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

Instrument :

BNA_F

ClientSampleId :

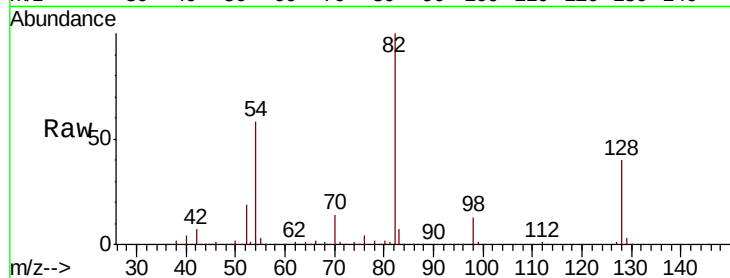
Tot Ion: 82 Resp: 627209

Ion Ratio Lower Upper

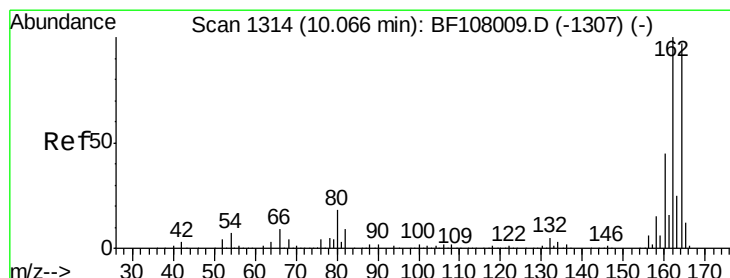
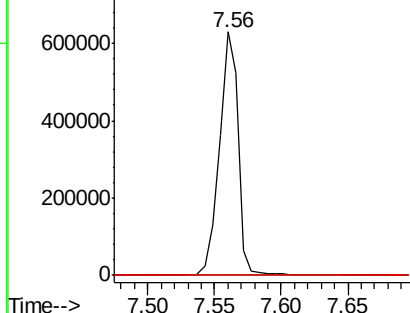
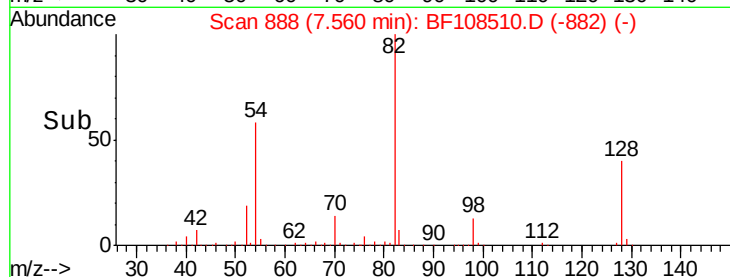
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

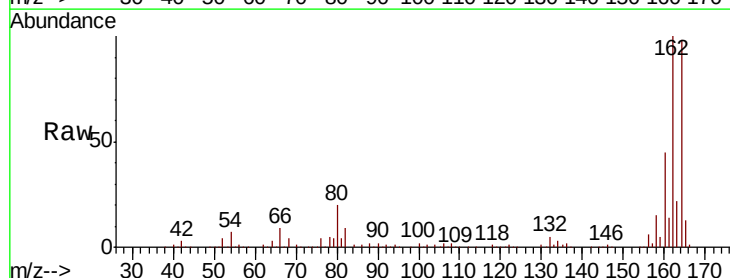
Tgt Ion:164 Resp: 253900

Ion Ratio Lower Upper

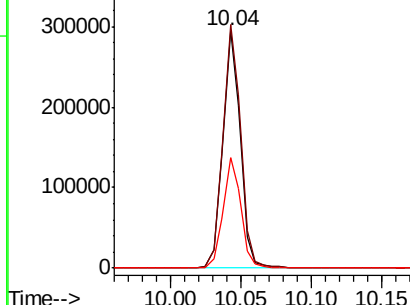
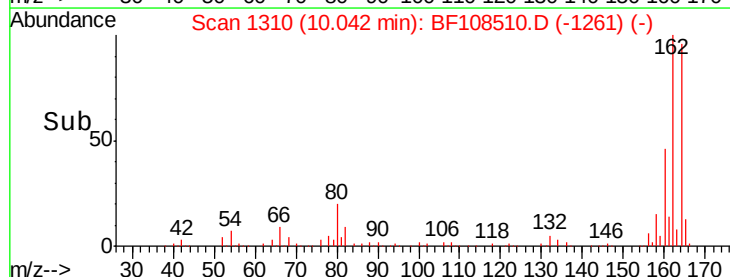
164 100

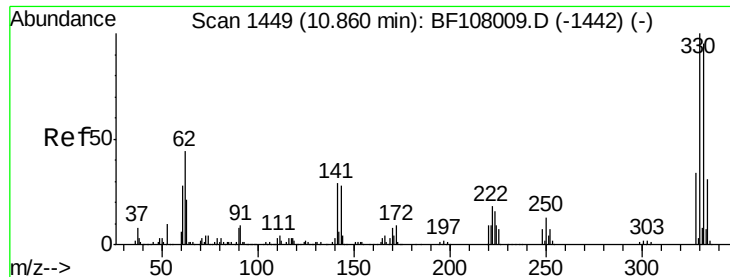
162 102.4 86.1 129.1

160 46.5 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

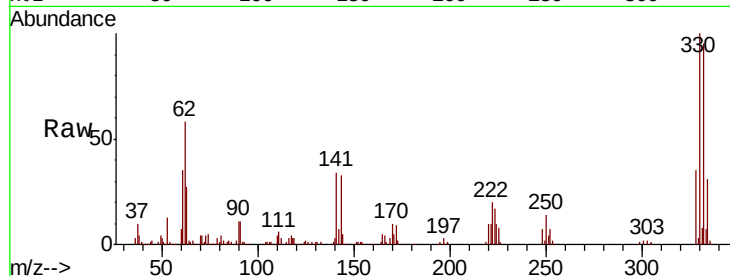




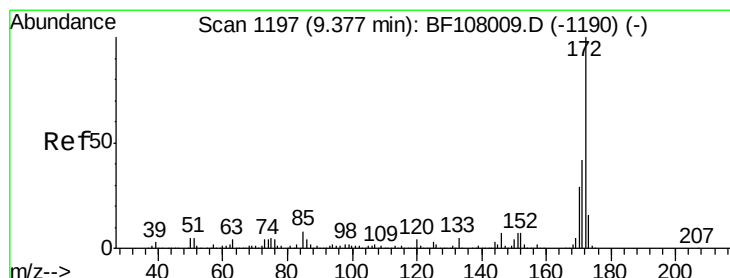
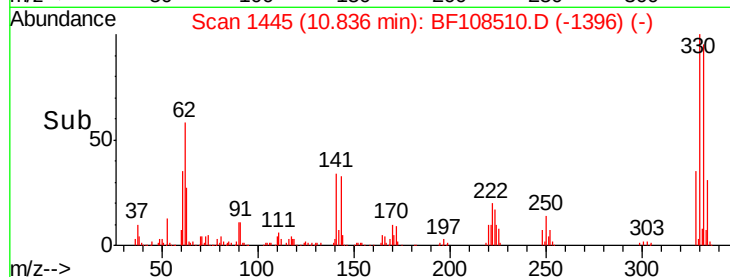
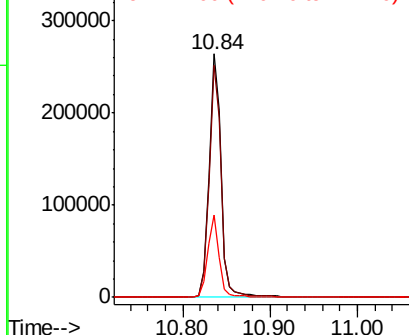
#41
 2,4,6-Tribromophenol
 Concen: 99.452 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108510.D
 Acq: 27 Aug 2018 15:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	32.5	29.9	44.9

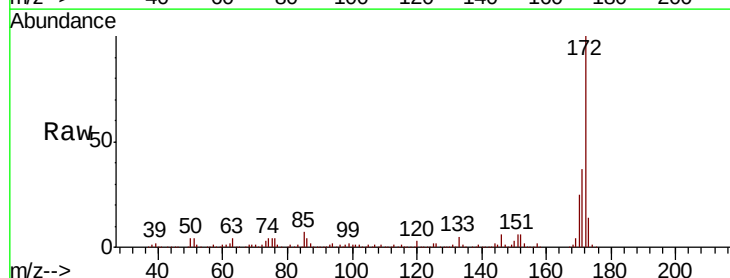


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

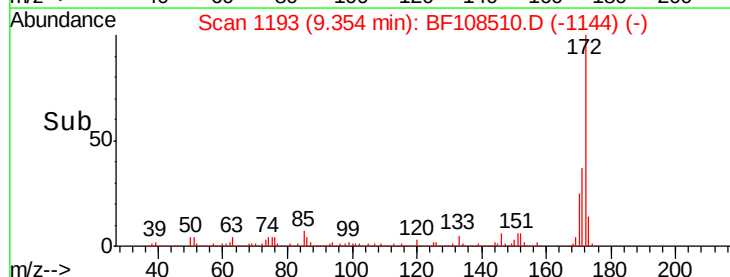
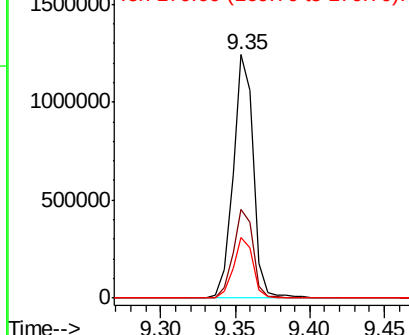


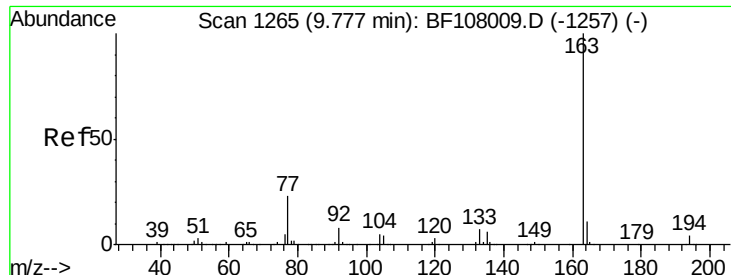
#44
 2-Fluorobiphenyl
 Concen: 75.073 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108510.D
 Acq: 27 Aug 2018 15:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.7	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

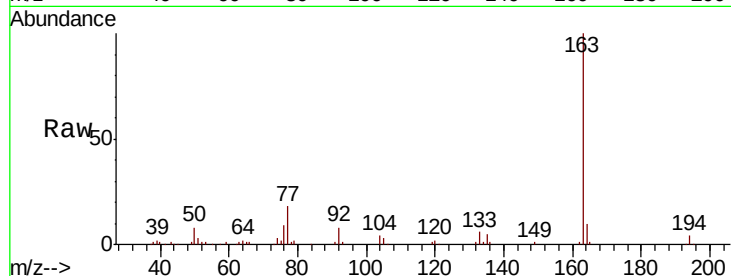




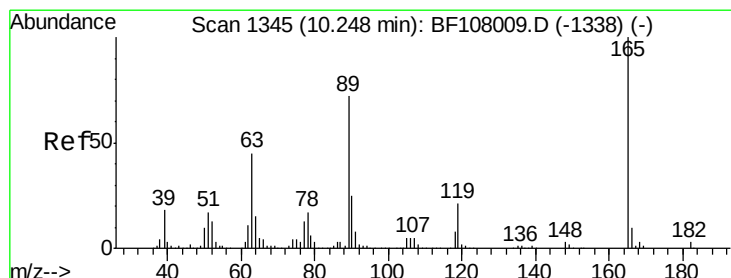
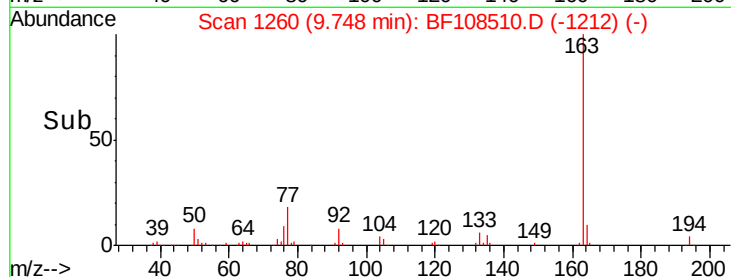
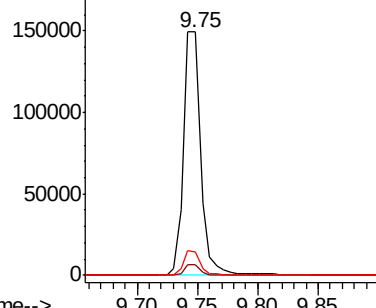
#49
Dimethylphthalate
Concen: 8.337 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108510.D
Acq: 27 Aug 2018 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 147458
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 9.8 8.2 12.2

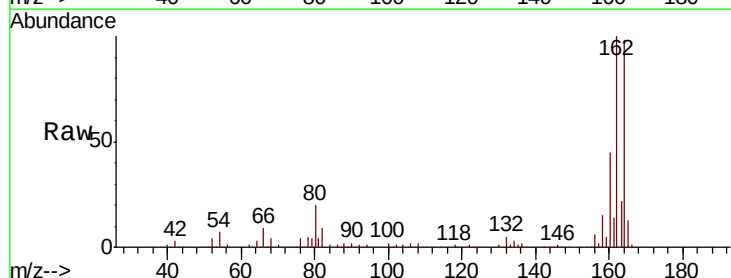


Abundance Ion 163.00 (162.70 to 163.70): E
200000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

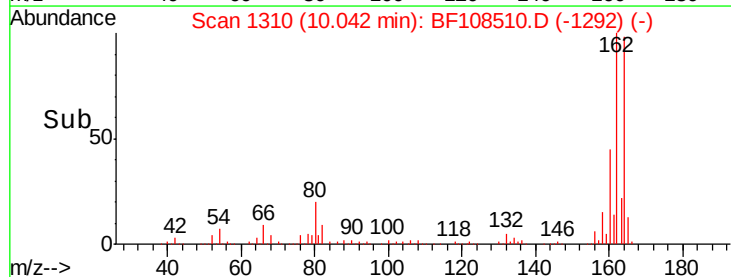
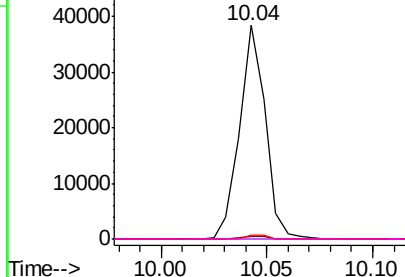


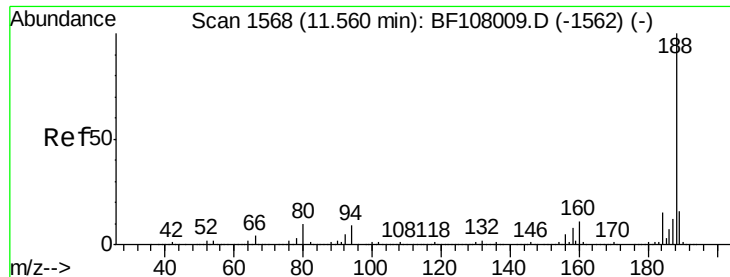
#56
2,4-Dinitrotoluene
Concen: 6.813 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF108510.D
Acq: 27 Aug 2018 15:08

Tgt Ion:165 Resp: 32452
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
60000 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# 1564

Delta R.T. -0.01 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

Instrument :

BNA_F

ClientSampleId :

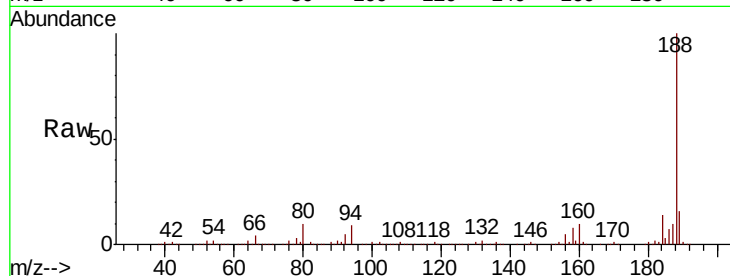
Tot Ion:188 Resp: 443251

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

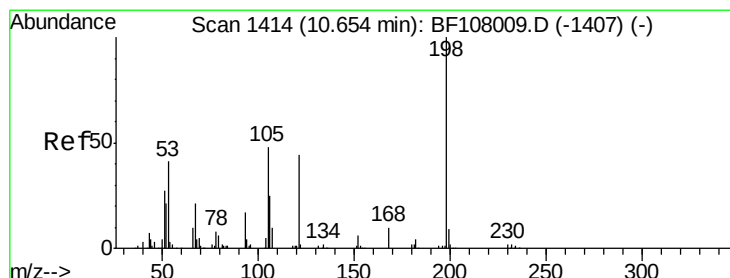
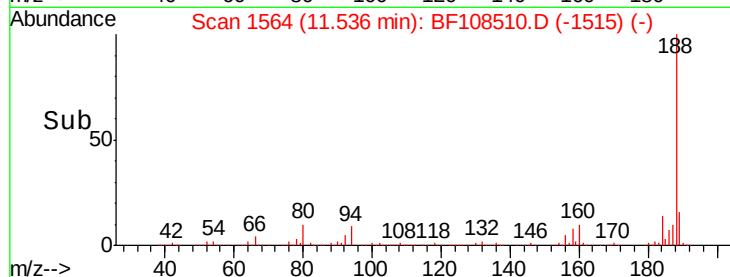
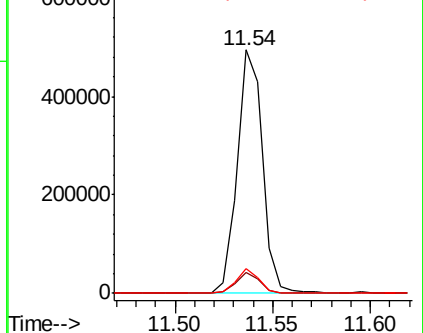
80 9.9 9.2 13.8



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: 5.616 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.19 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

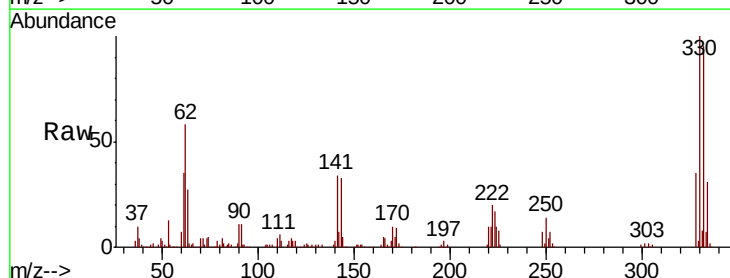
Tgt Ion:198 Resp: 483

Ion Ratio Lower Upper

198 100

51 237.7 37.7 77.7#

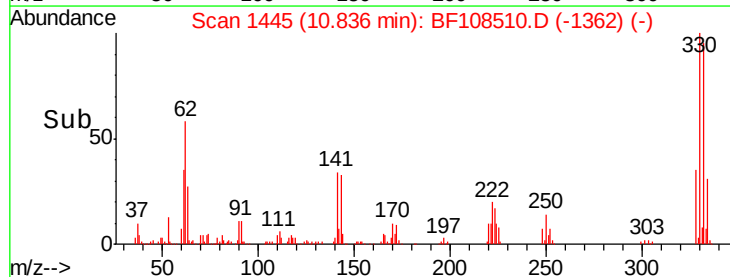
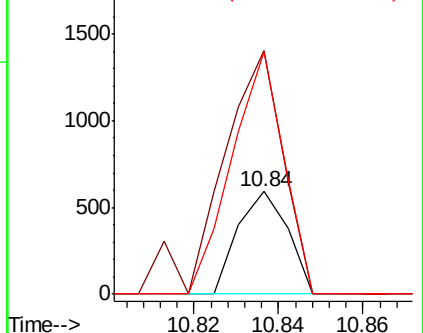
105 236.2 36.3 76.3#

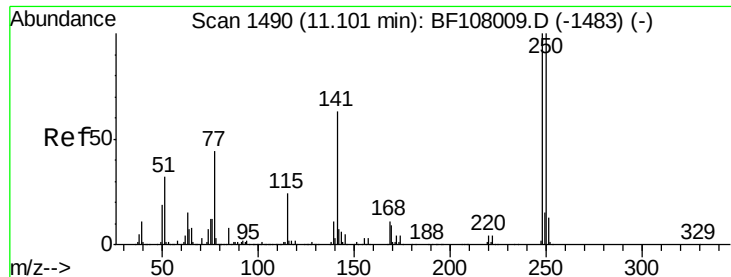


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

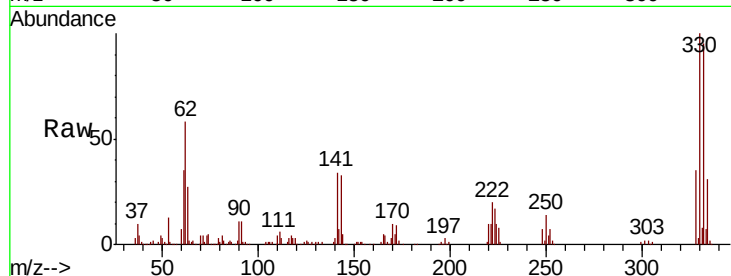




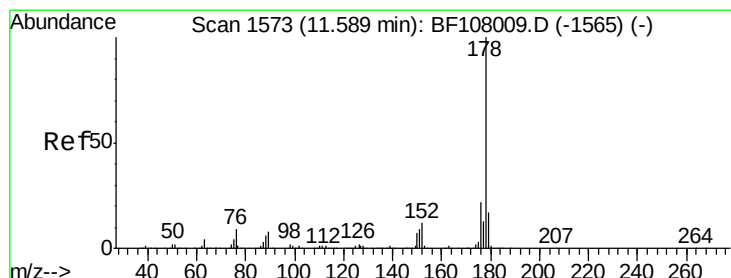
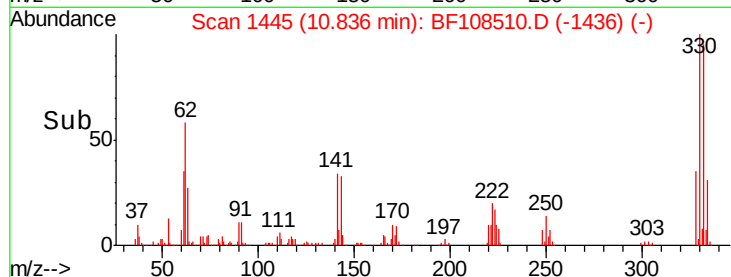
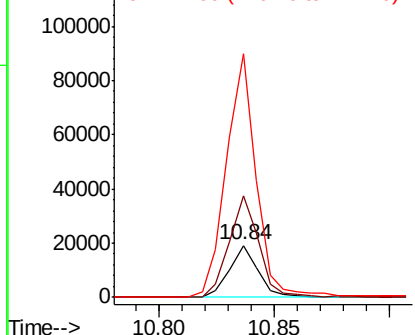
#66
 4-Bromophenyl-phenylether
 Concen: 3.433 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108510.D
 Acq: 27 Aug 2018 15:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16539
 Ion Ratio Lower Upper
 248 100
 250 197.6 76.9 115.3#
 141 471.9 74.4 111.6#

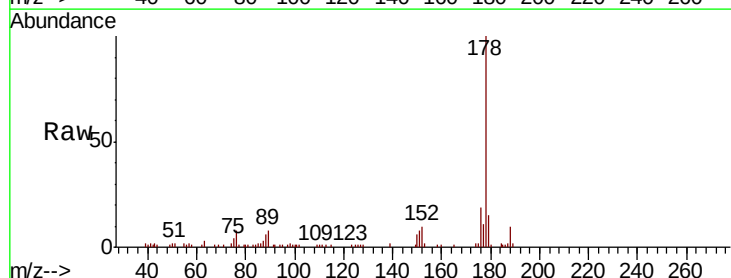


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

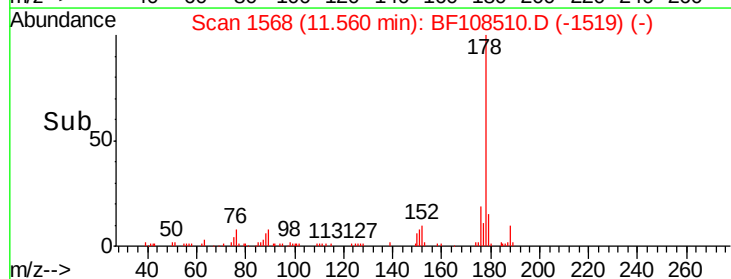
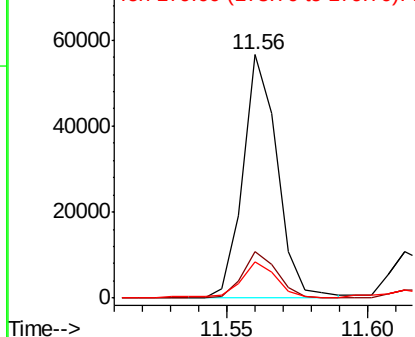


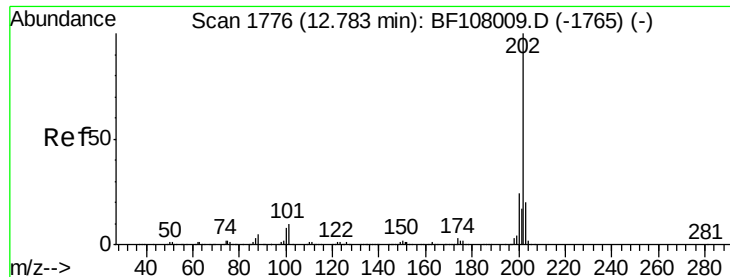
#70
 Phenanthrene
 Concen: 2.282 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF108510.D
 Acq: 27 Aug 2018 15:08

Tgt Ion:178 Resp: 47719
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.7 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: 3.444 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

Instrument :

BNA_F

ClientSampled :

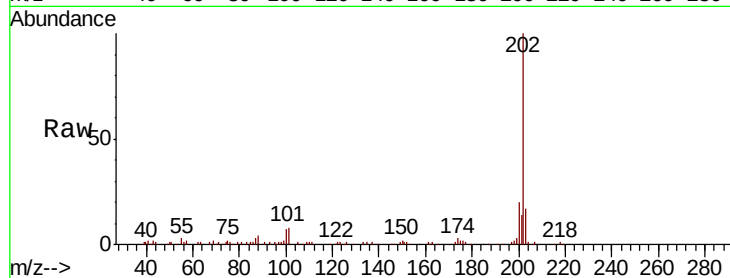
Tot Ion:202 Resp: 78580

Ion Ratio Lower Upper

202 100

101 8.2 0.0 34.1

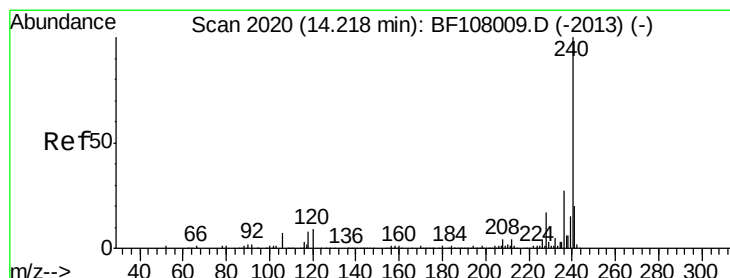
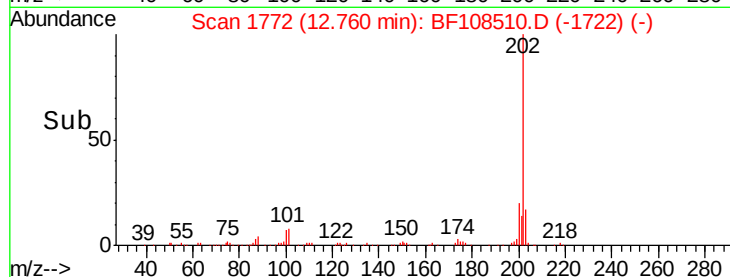
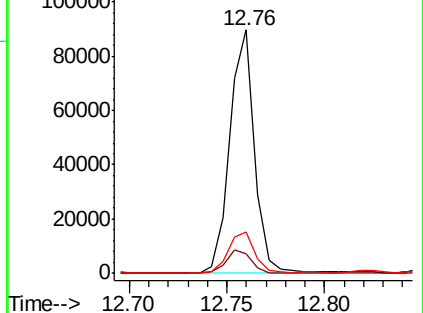
203 17.2 0.0 38.1



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: 14.20 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

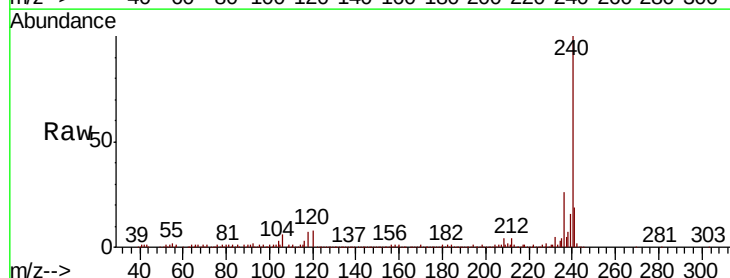
Tgt Ion:240 Resp: 305170

Ion Ratio Lower Upper

240 100

120 7.8 9.5 14.3#

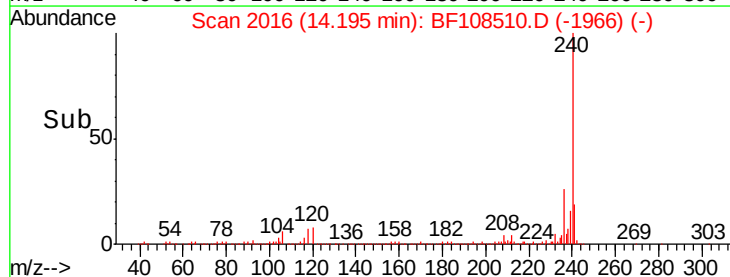
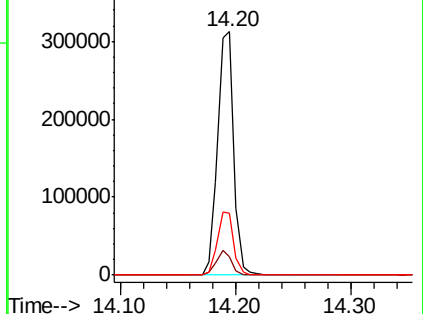
236 25.6 20.7 31.1

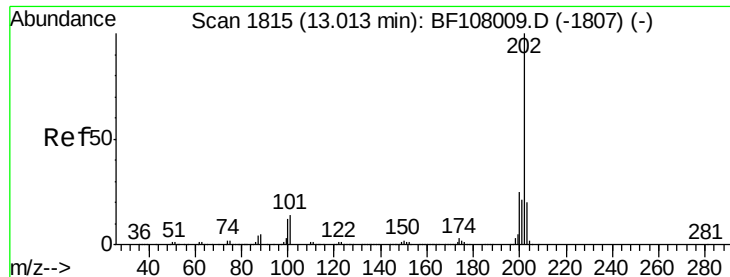


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.706 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

Instrument :

BNA_F

ClientSampleId :

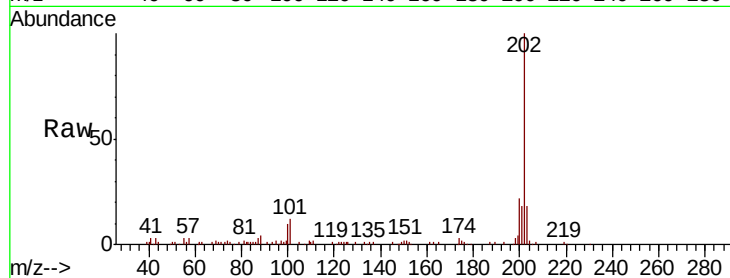
Tot Ion:202 Resp: 71602

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

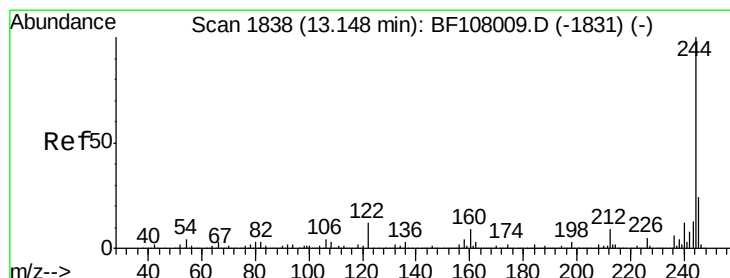
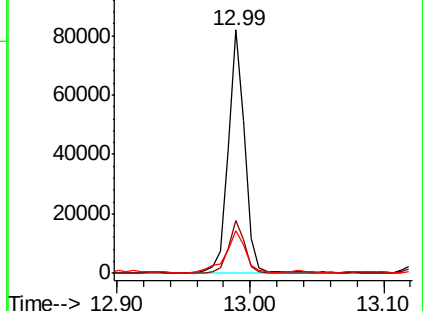
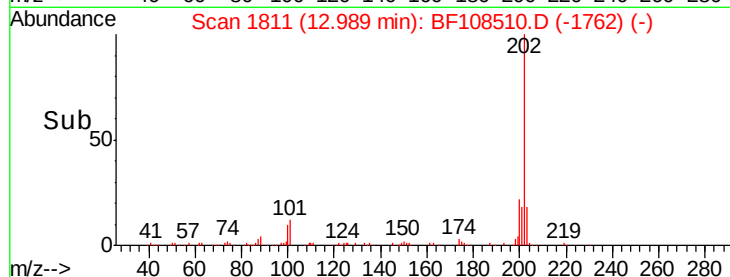
203 17.6 14.3 21.5



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: 76.556 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108510.D

Acq: 27 Aug 2018 15:08

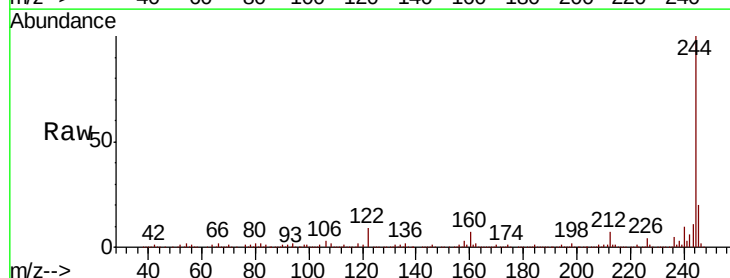
Tgt Ion:244 Resp: 918859

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

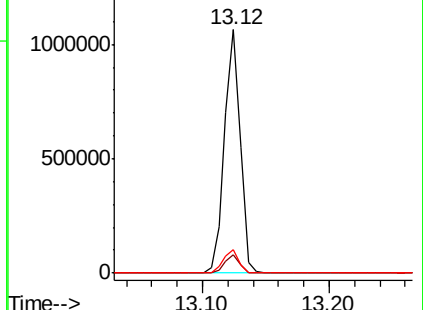
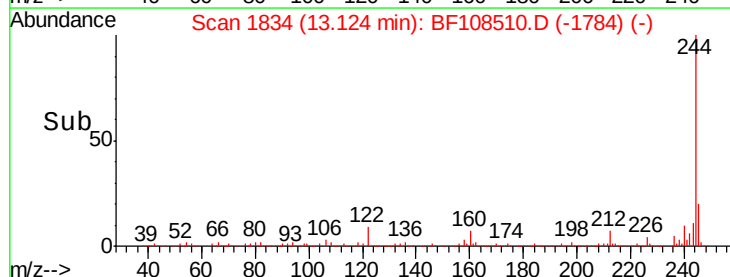
122 9.4 11.0 16.4#

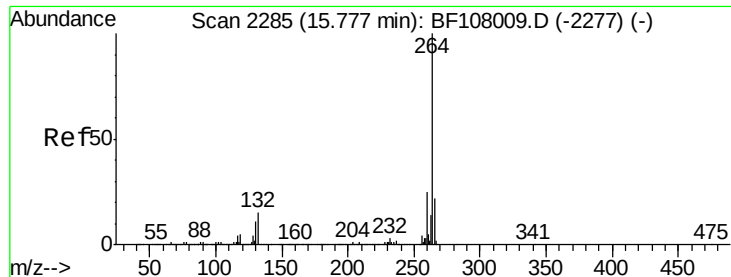


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

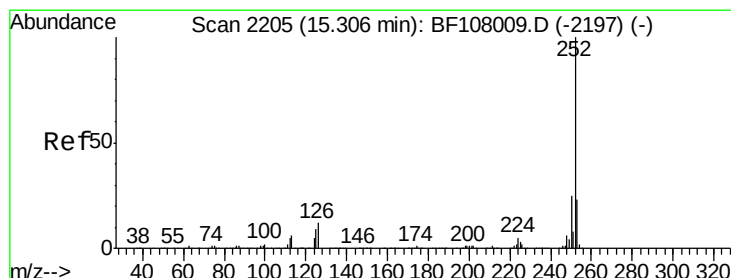
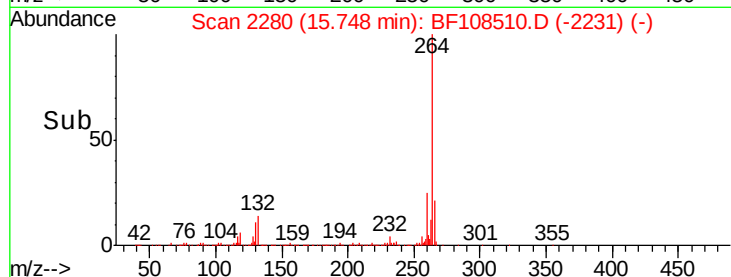
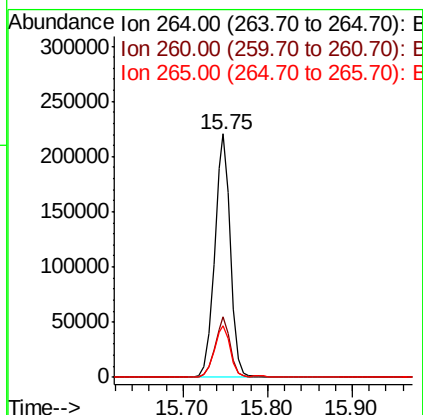
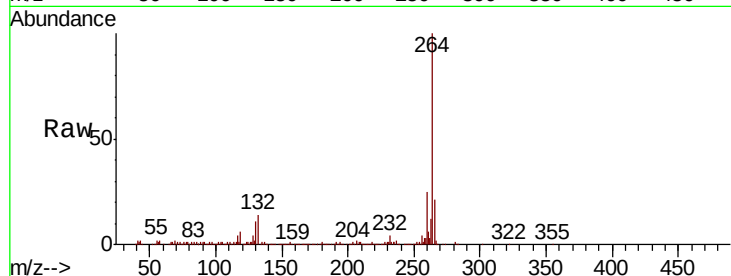




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108510.D
Acq: 27 Aug 2018 15:08

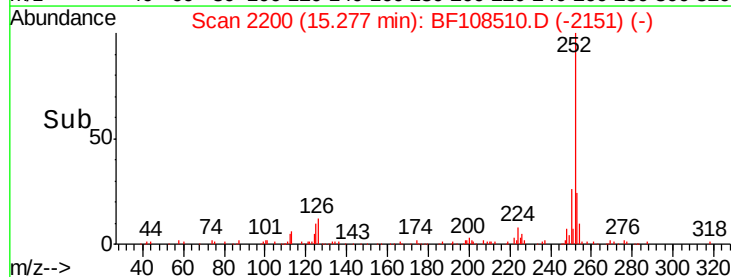
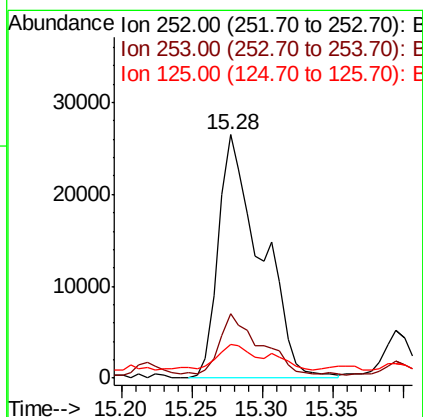
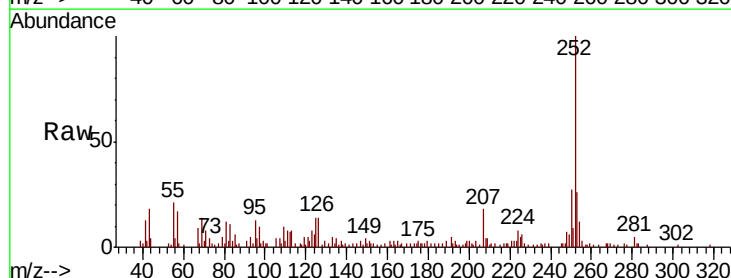
Instrument :
BNA_F
ClientSampleId :

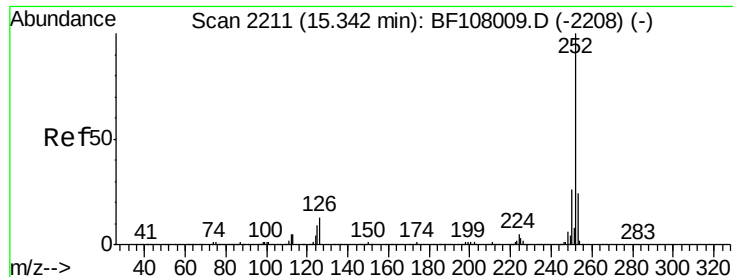
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.211 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108510.D
Acq: 27 Aug 2018 15:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.0	25.6#
125	14.0	9.0	13.6#

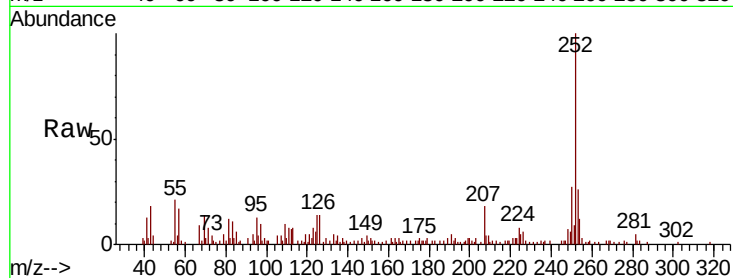




#88
 Benzo(k)fluoranthene
 Concen: 3.493 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. -0.05 min
 Lab File: BF108510.D
 Acq: 27 Aug 2018 15:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.9	26.9
125	14.0	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

