

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108507.D
 Acq On : 27 Aug 2018 13:48
 Operator : JU/SJ
 Sample : J4646-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 14:36:06 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

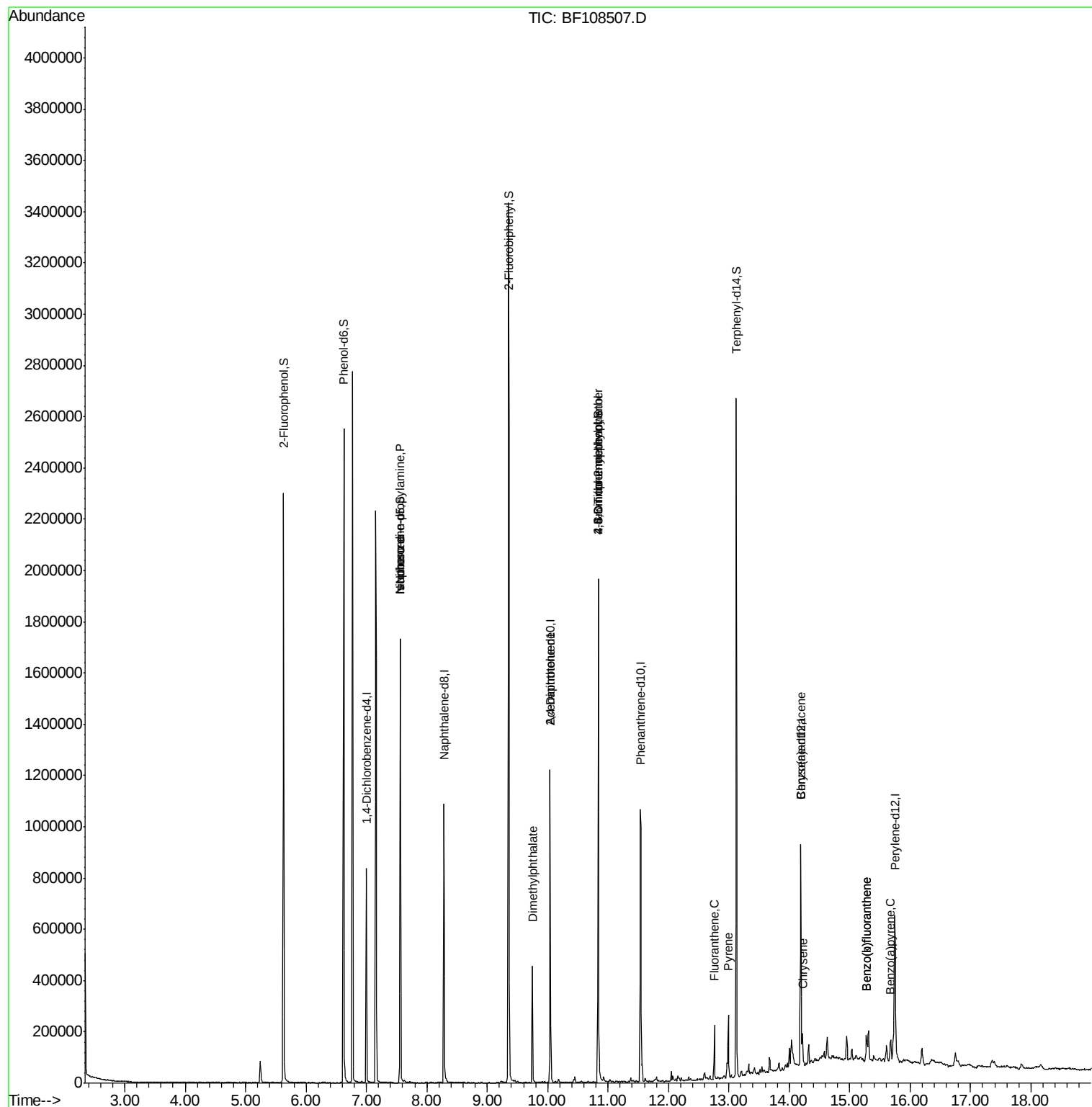
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	123448	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	463422	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	233635	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	408152	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	289402	20.00	ng	-0.01
86) Perylene-d12	15.75	264	279476	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	620940	91.07	ng	0.00
7) Phenol-d6	6.62	99	840271	92.73	ng	0.00
23) Nitrobenzene-d5	7.56	82	558356	67.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	227881	97.78	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1053672	72.41	ng	-0.01
78) Terphenyl-d14	13.12	244	859426	75.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	75031	12.245	ng	# 82
25) Isophorone	7.56	82	558348	35.273	ng	# 64
49) Dimethylphthalate	9.75	163	197953	12.163	ng	# 98
56) 2,4-Dinitrotoluene	10.04	165	29203	6.663	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	574	5.691	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	15481	3.490	ng	# 1
74) Fluoranthene	12.76	202	88025	4.190	ng	93
77) Pyrene	12.99	202	89275	4.873	ng	98
80) Benzo(a)anthracene	14.18	228	50442	3.037	ng	99
82) Chrysene	14.22	228	47504	3.120	ng	99
87) Benzo(b)fluoranthene	15.28	252	75951	4.548	ng	# 93
88) Benzo(k)fluoranthene	15.28	252	75951	4.948	ng	94
89) Benzo(a)pyrene	15.68	252	46508	3.110	ng	97

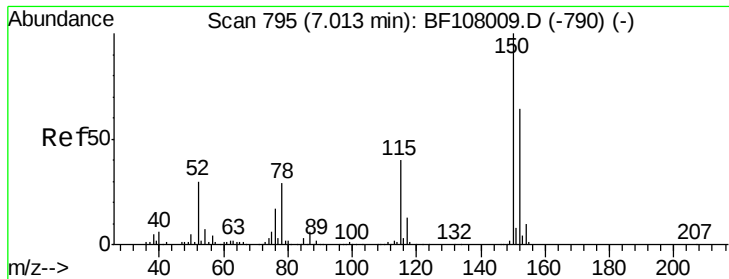
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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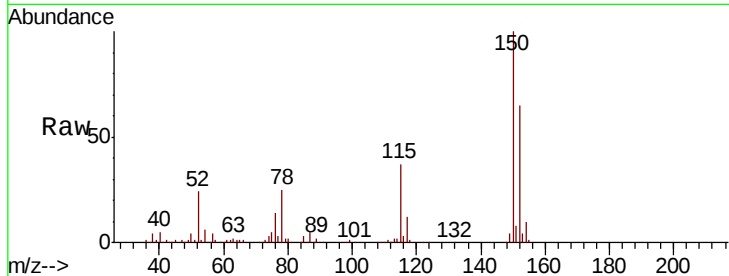


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108507.D
Acq: 27 Aug 2018 13:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	56.5	50.1	75.1

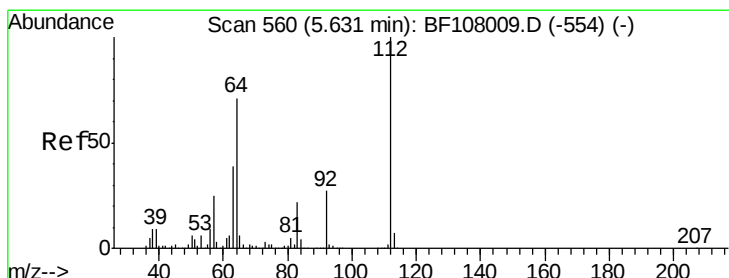
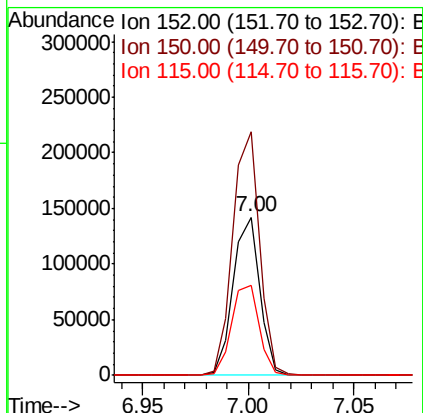
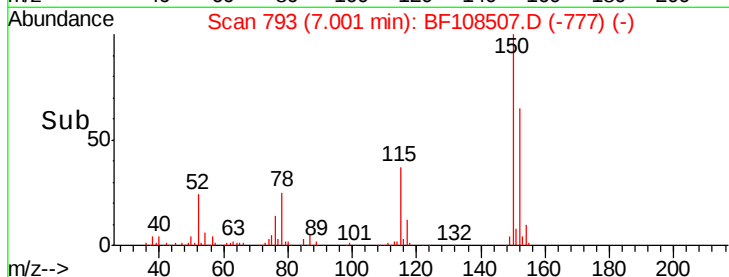


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

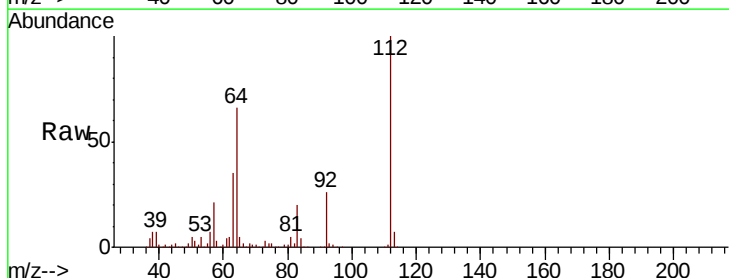
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.065 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108507.D
Acq: 27 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	47.9	71.9
63	35.0	23.7	35.5

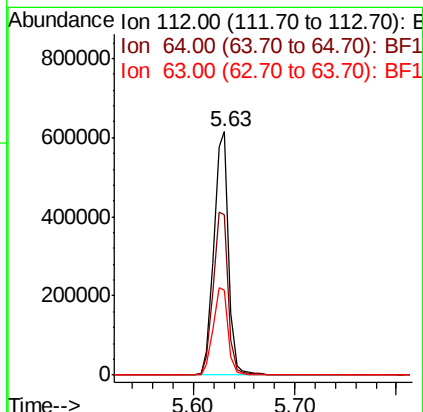
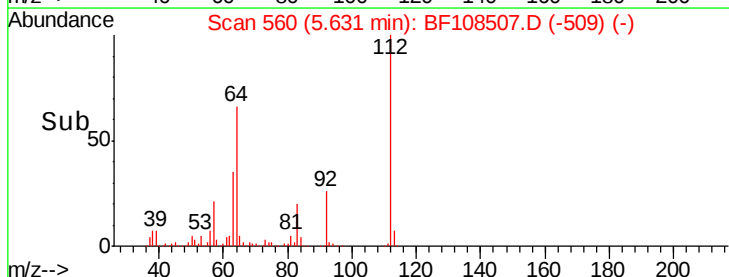


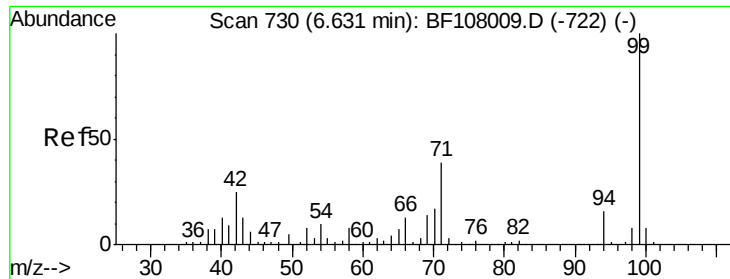
Abundance

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: 92.735 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

Instrument :

BNA_F

ClientSampleId :

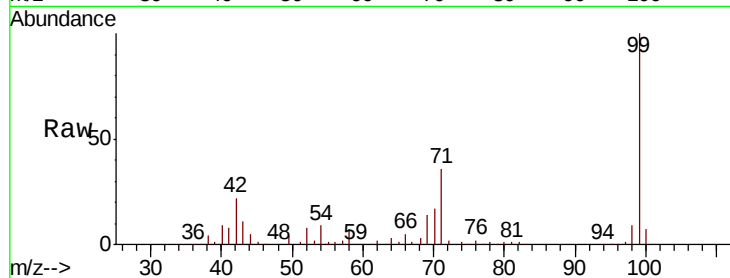
Tot Ion: 99 Resp: 840271

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

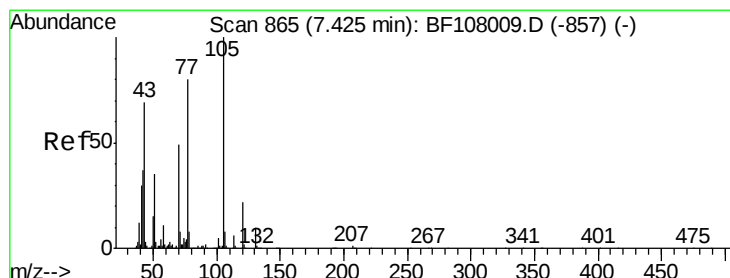
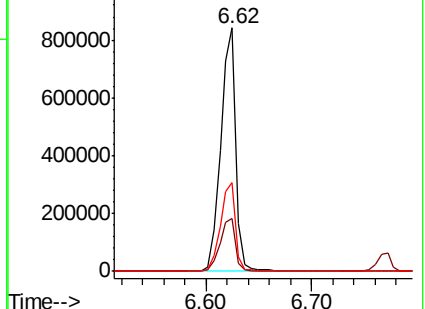
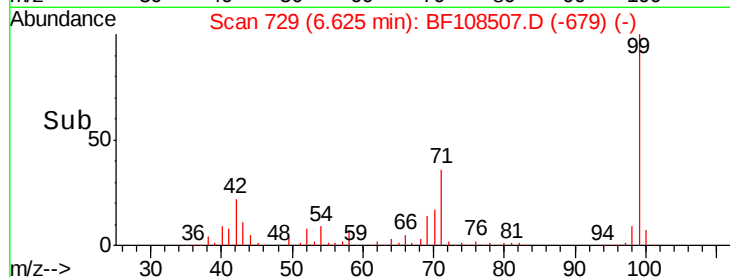
71 36.2 25.4 38.0



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: 12.245 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

Tgt Ion: 70 Resp: 75031

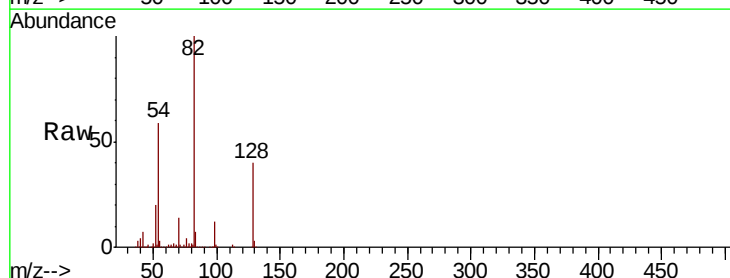
Ion Ratio Lower Upper

70 100

42 53.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

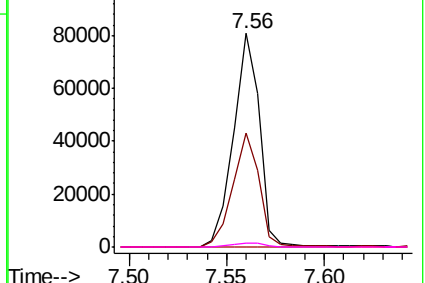
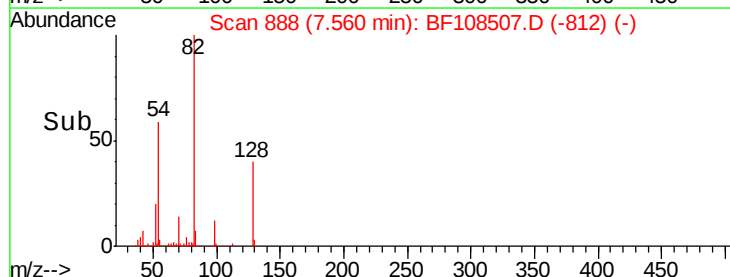


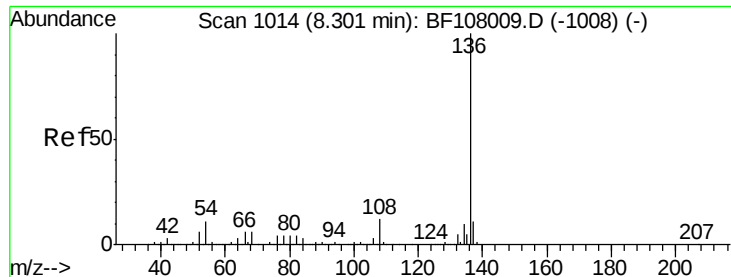
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF108507.D

Acq: 27 Aug 2018 13:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 463422

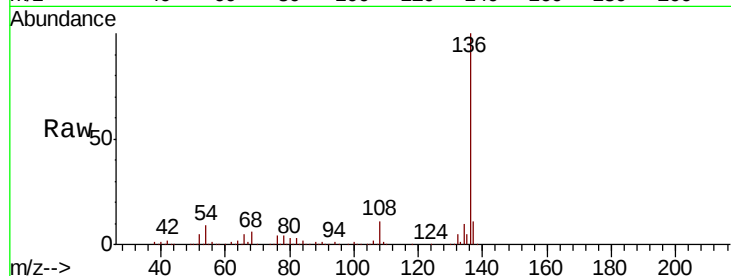
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.3 6.6 9.8

68 5.9 5.0 7.4

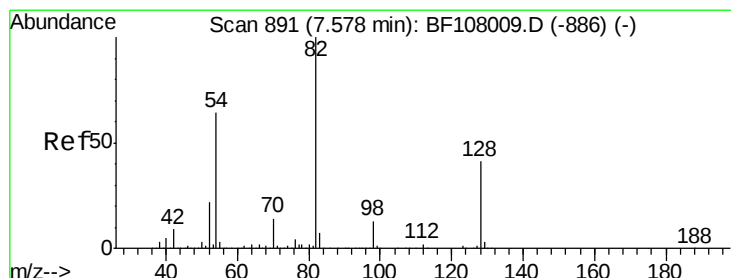
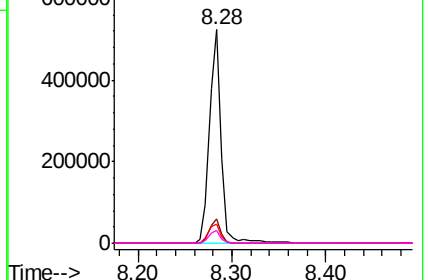
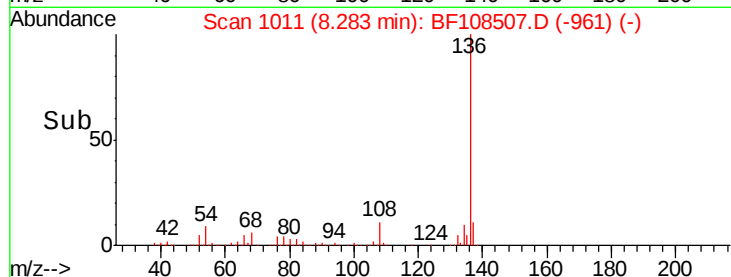


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.233 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

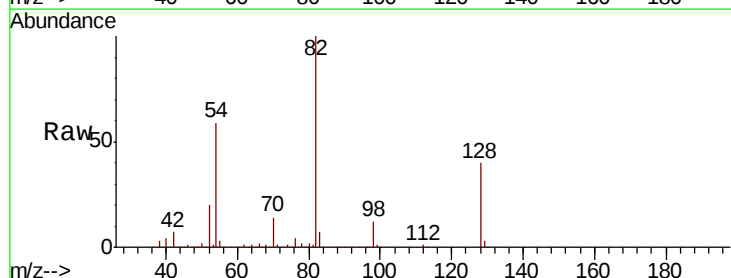
Tgt Ion: 82 Resp: 558356

Ion Ratio Lower Upper

82 100

128 40.3 36.1 54.1

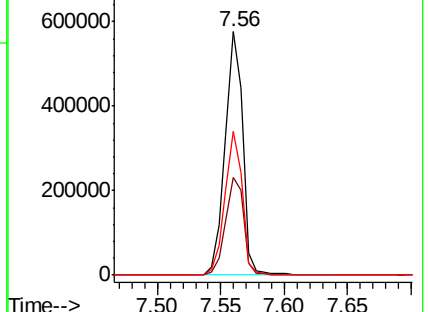
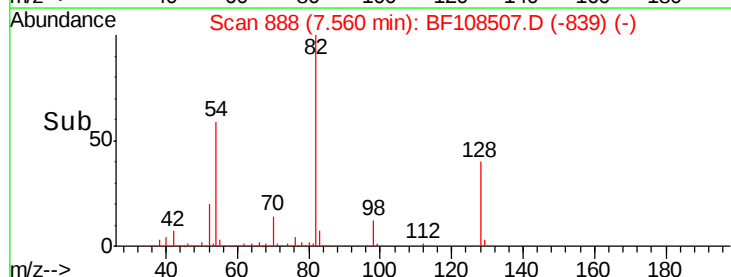
54 59.1 41.4 62.2

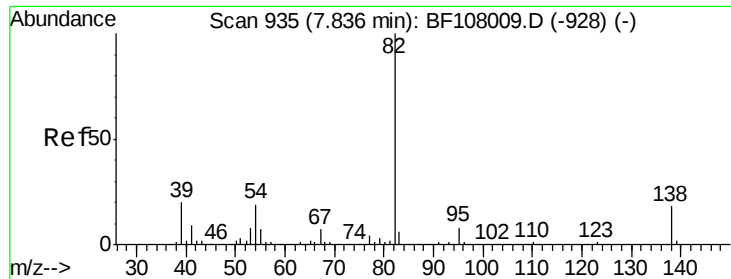


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.273 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

Instrument :

BNA_F

ClientSampleId :

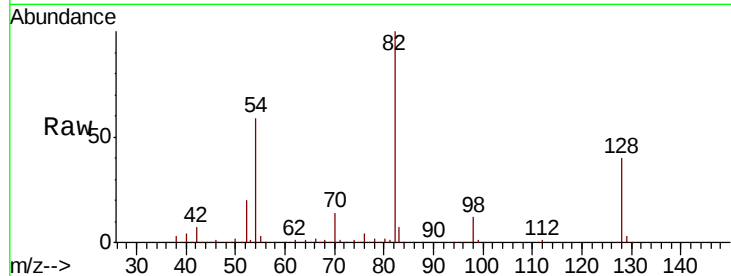
Tot Ion: 82 Resp: 558348

Ion Ratio Lower Upper

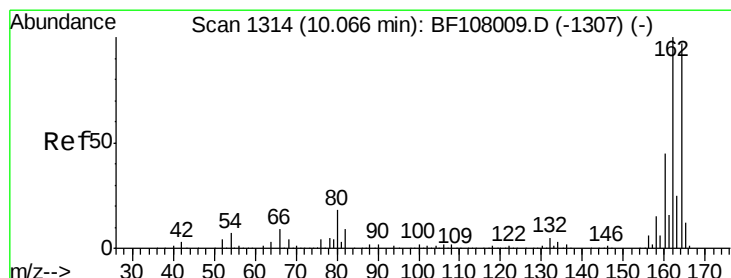
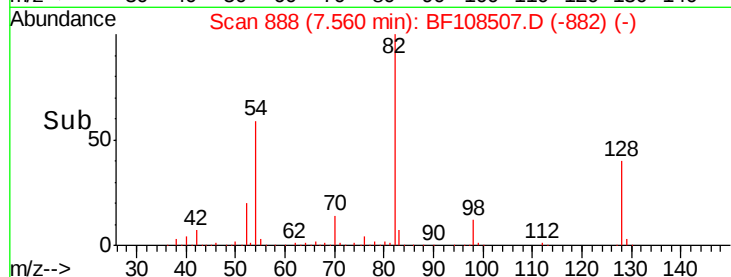
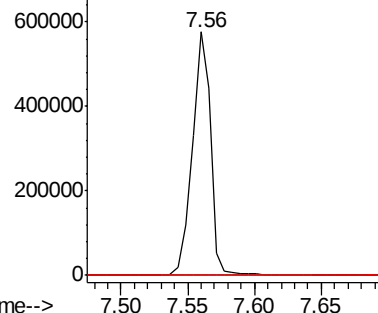
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

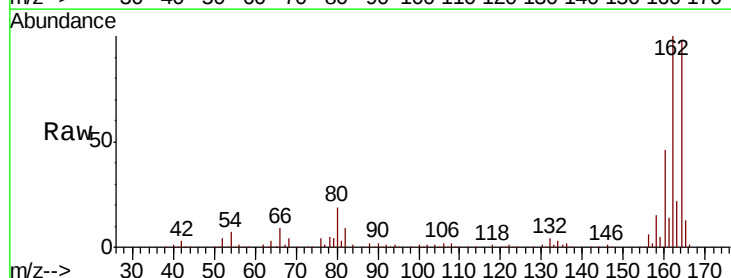
Tgt Ion:164 Resp: 233635

Ion Ratio Lower Upper

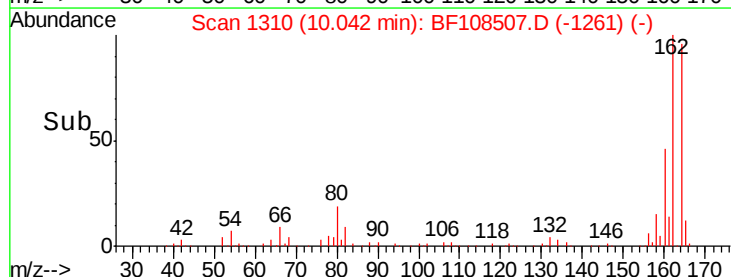
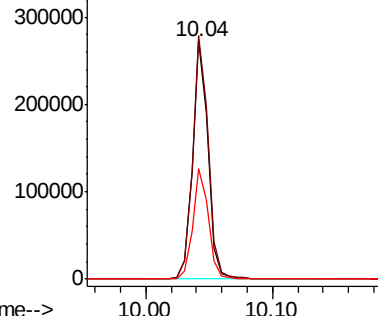
164 100

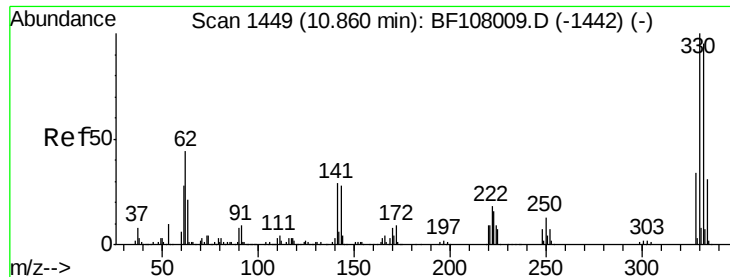
162 102.1 86.1 129.1

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

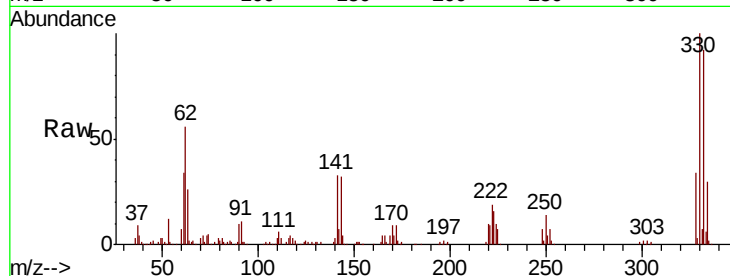




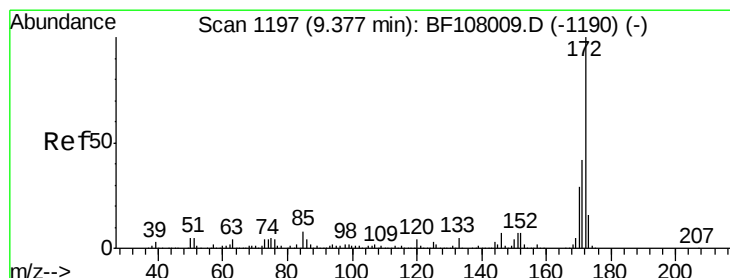
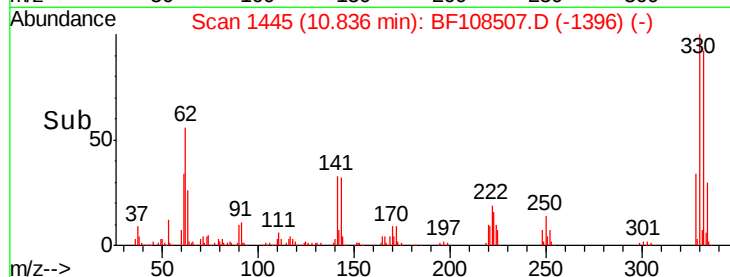
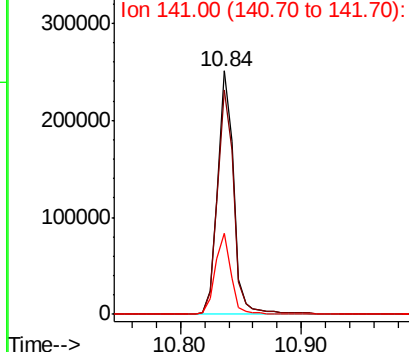
#41
 2,4,6-Tribromophenol
 Concen: 97.784 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108507.D
 Acq: 27 Aug 2018 13:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 227881
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 33.1 29.9 44.9

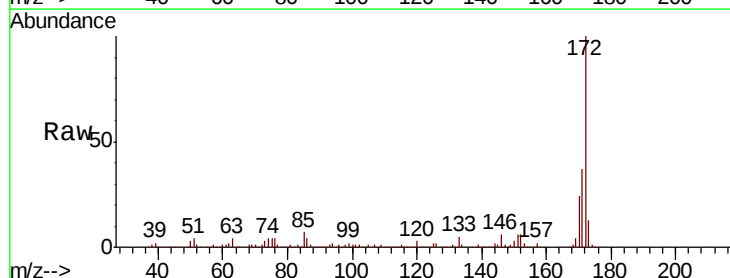


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

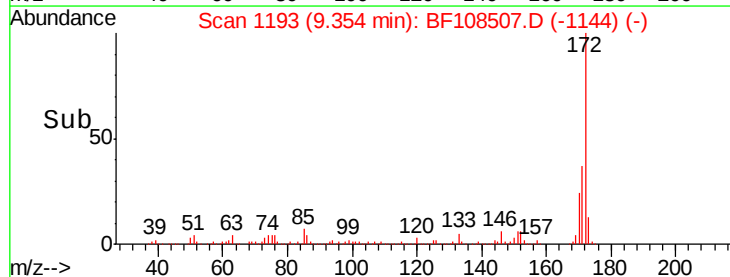
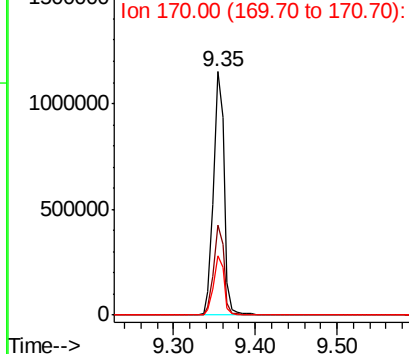


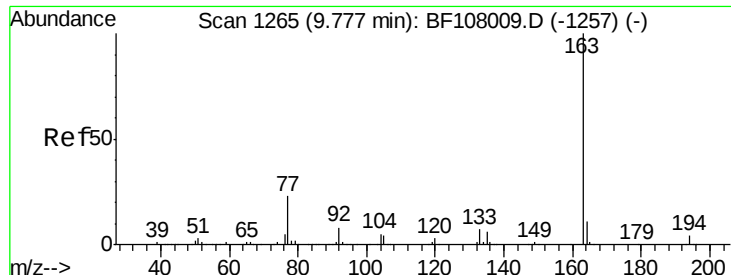
#44
 2-Fluorobiphenyl
 Concen: 72.405 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108507.D
 Acq: 27 Aug 2018 13:48

Tgt Ion:172 Resp: 1053672
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.5 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

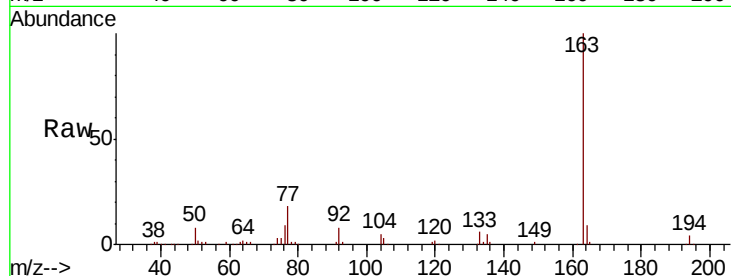




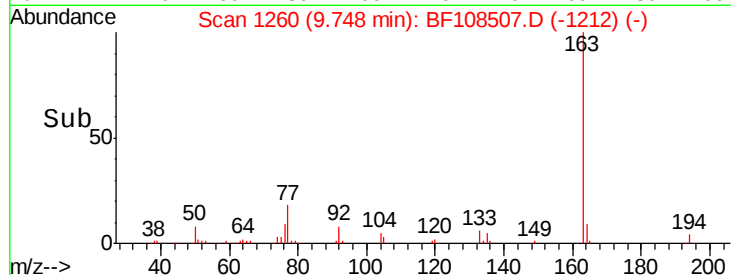
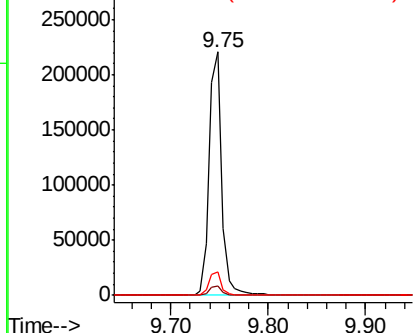
#49
Dimethylphthalate
Concen: 12.163 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108507.D
Acq: 27 Aug 2018 13:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.4	8.2	12.2



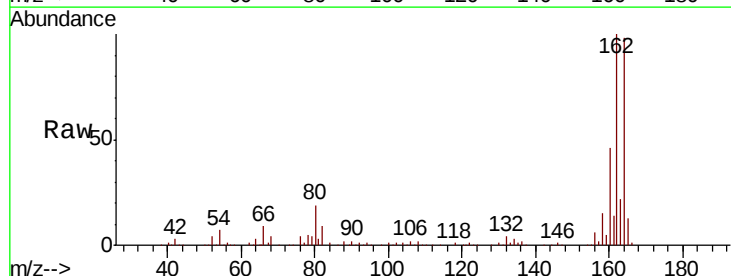
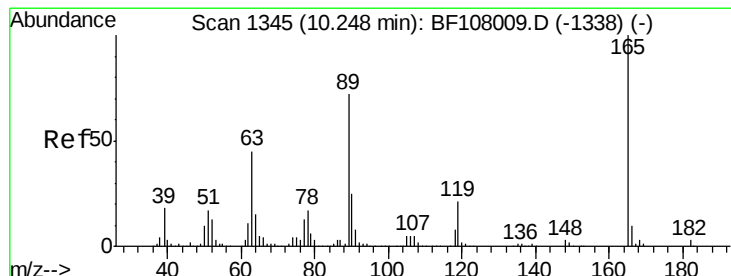
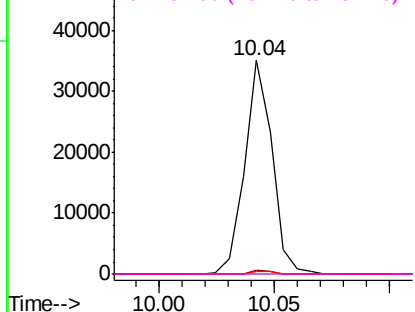
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

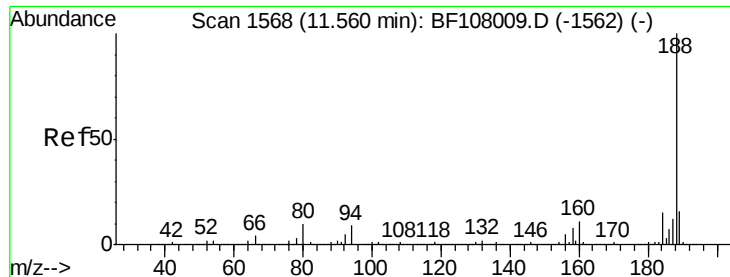


#56
2,4-Dinitrotoluene
Concen: 6.663 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF108507.D
Acq: 27 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.0	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

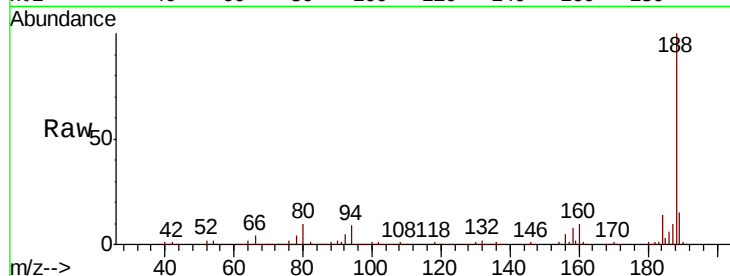




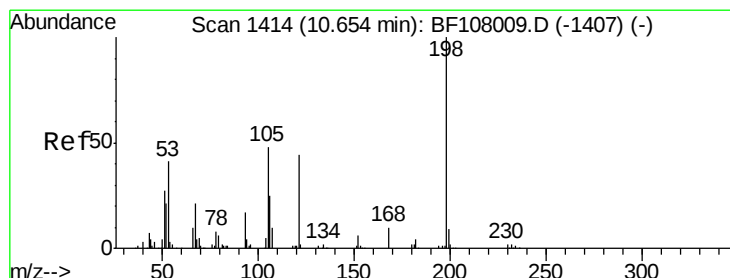
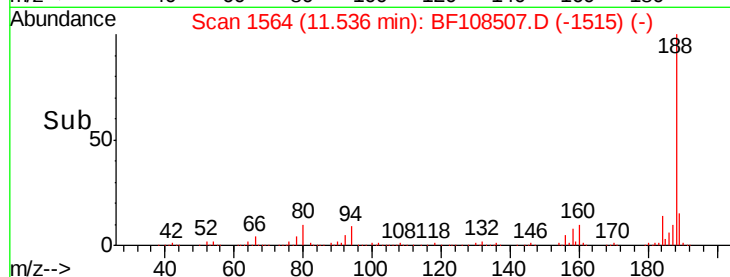
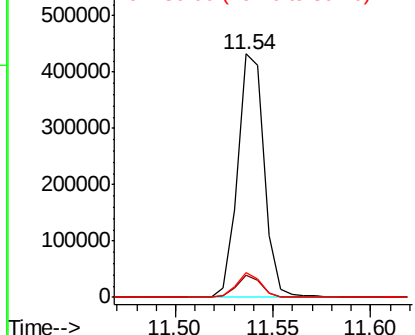
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108507.D
Acq: 27 Aug 2018 13:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 408152
Ion Ratio Lower Upper
188 100
94 9.1 8.5 12.7
80 10.2 9.2 13.8

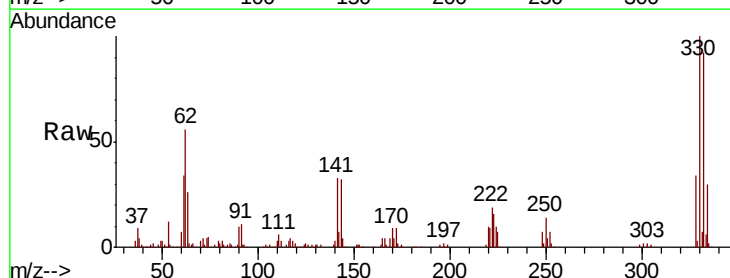


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

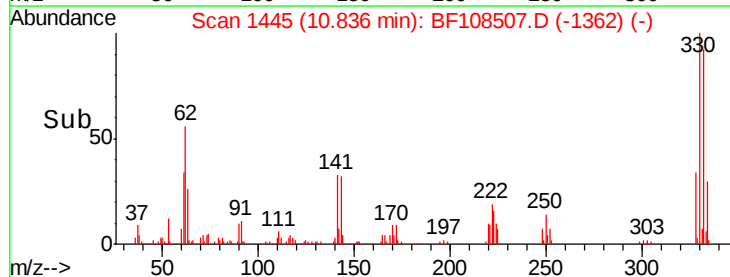
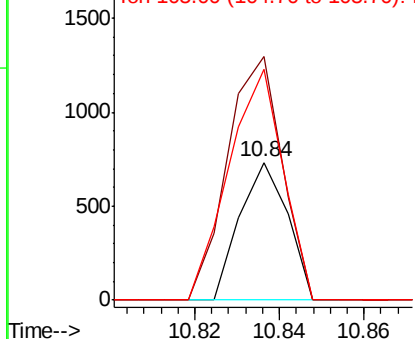


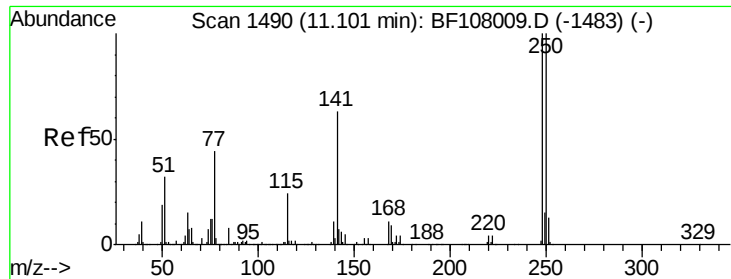
#64
4,6-Dinitro-2-methylphenol
Concen: 5.691 ng
RT: 10.84 min Scan# 1445
Delta R.T. 0.19 min
Lab File: BF108507.D
Acq: 27 Aug 2018 13:48

Tgt Ion:198 Resp: 574
Ion Ratio Lower Upper
198 100
51 177.3 37.7 77.7#
105 167.7 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

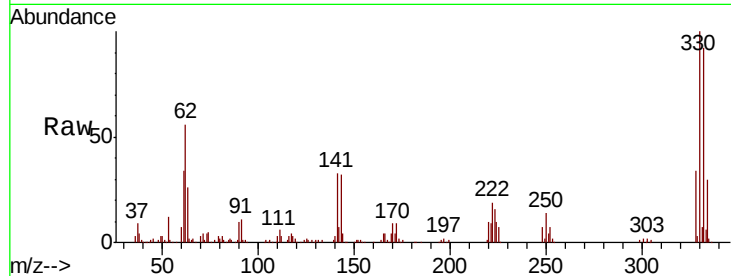




#66
 4-Bromophenyl-phenylether
 Concen: 3.490 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108507.D
 Acq: 27 Aug 2018 13:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.5	76.9	115.3#
141	468.4	74.4	111.6#

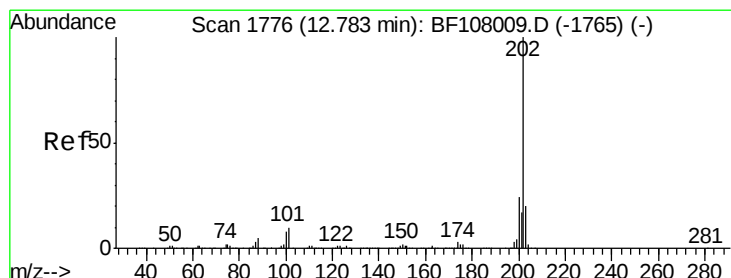
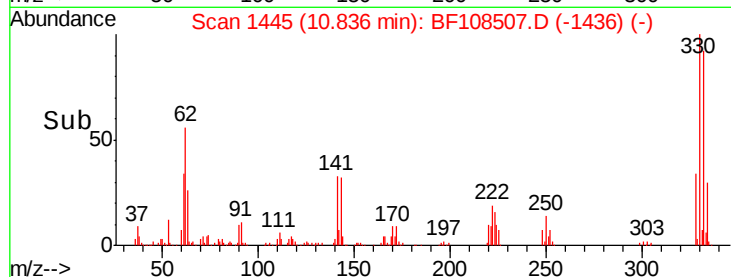
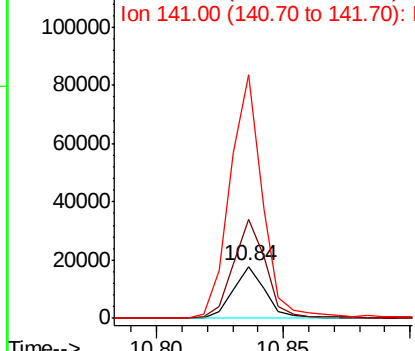


Abundance

Ion 248.00 (247.70 to 248.70): E

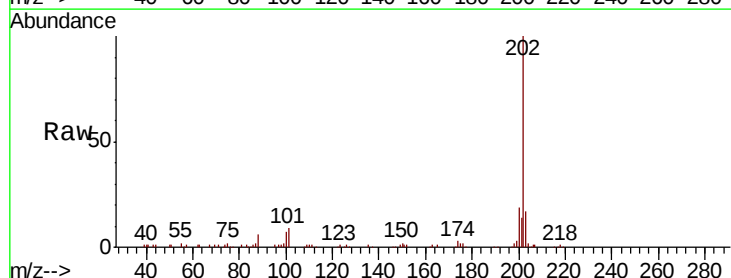
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#74
 Fluoranthene
 Concen: 4.190 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108507.D
 Acq: 27 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	34.1
203	16.9	0.0	38.1

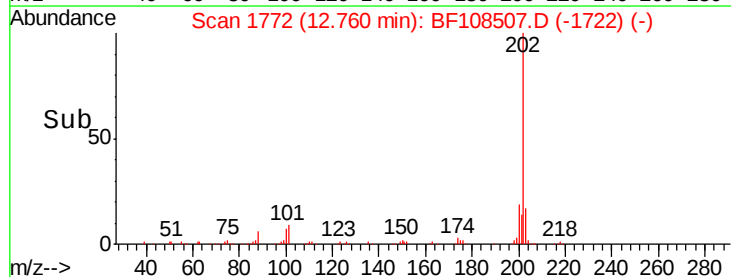
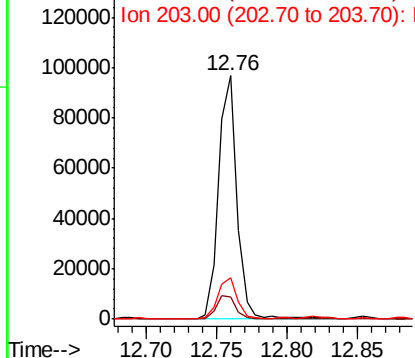


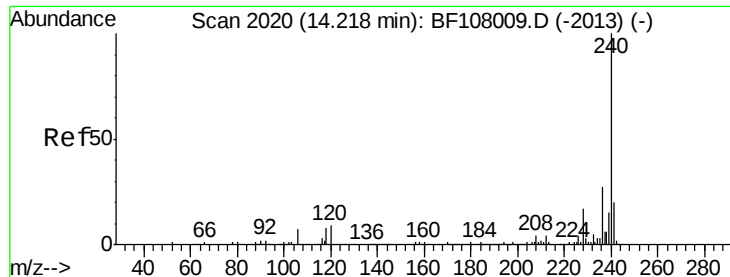
Abundance

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: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

Instrument :

BNA_F

ClientSampleId :

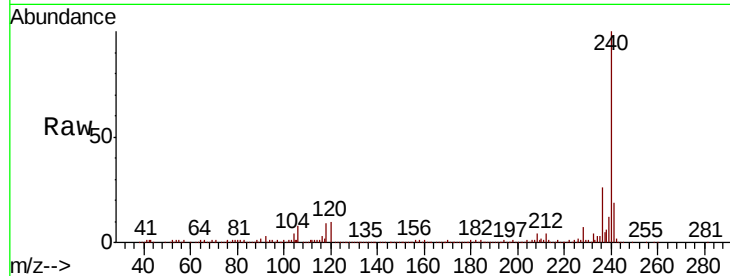
Tot Ion:240 Resp: 289402

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

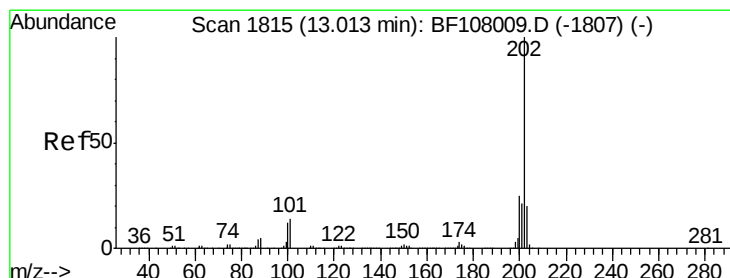
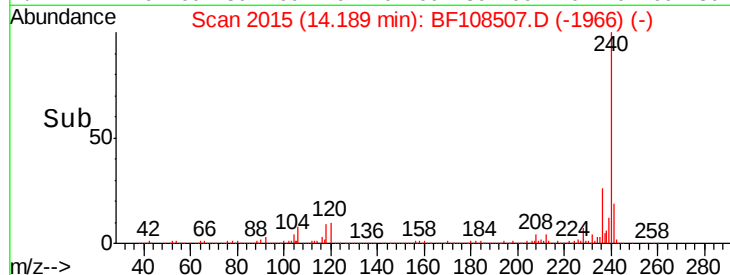
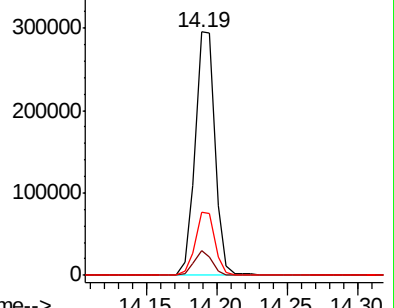
236 26.0 20.7 31.1



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: 4.873 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

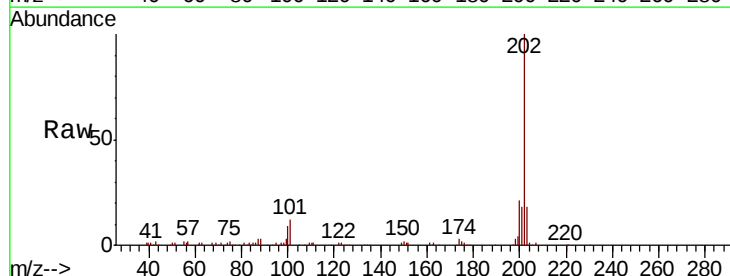
Tgt Ion:202 Resp: 89275

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

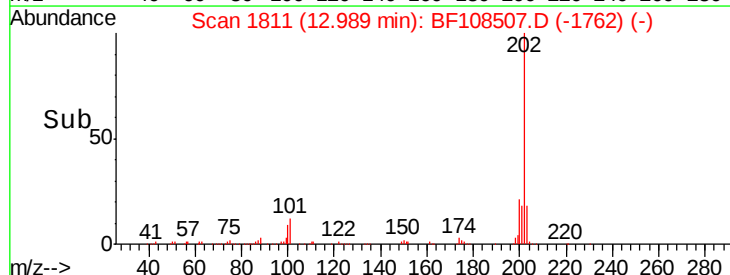
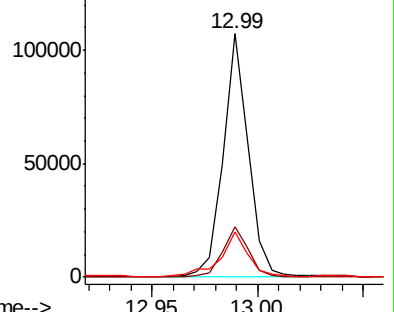
203 18.5 14.3 21.5

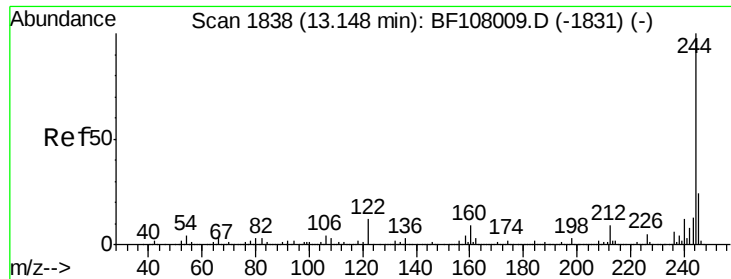


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

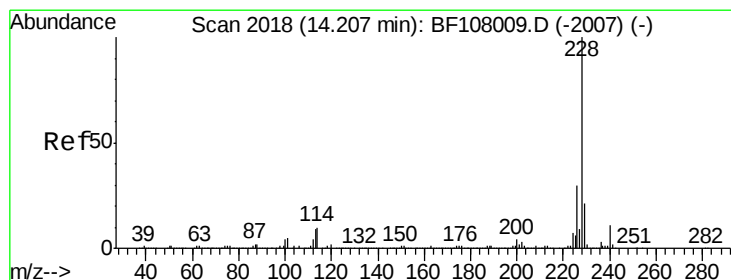
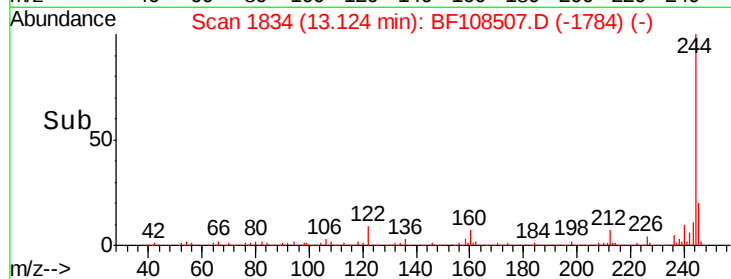
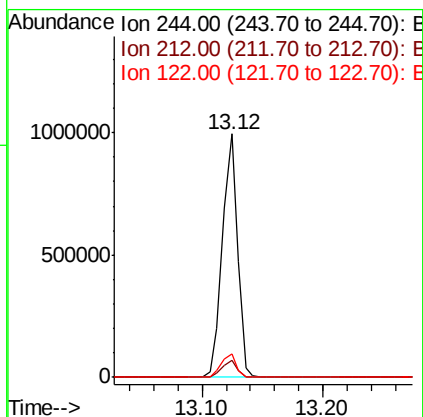
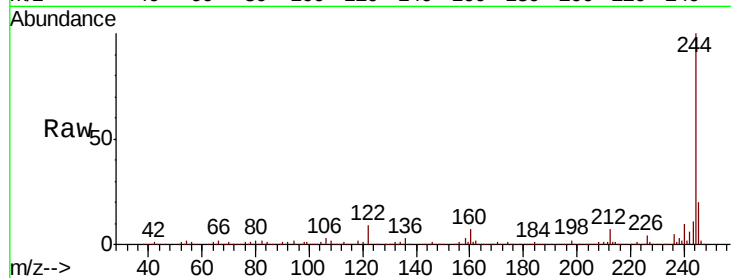




#78
 Terphenyl-d14
 Concen: 75.506 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108507.D
 Acq: 27 Aug 2018 13:48

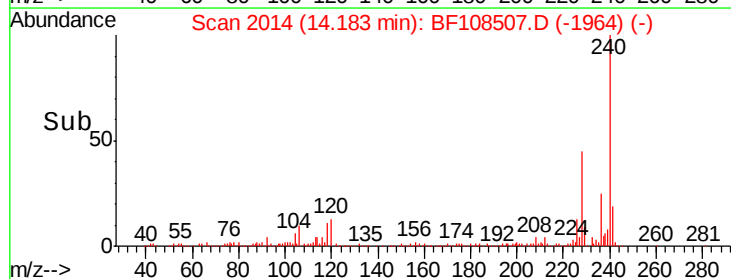
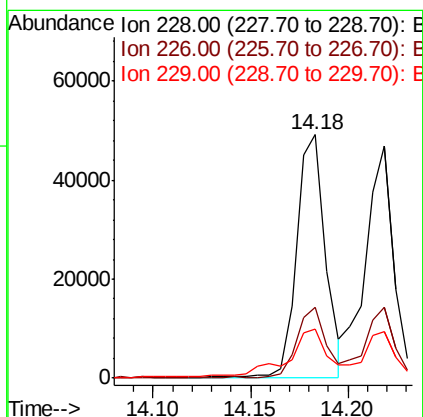
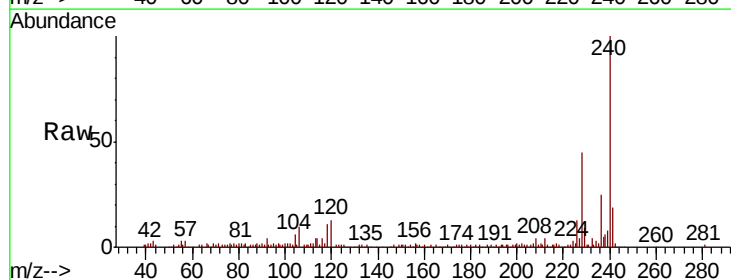
Instrument :
 BNA_F
 ClientSampled :

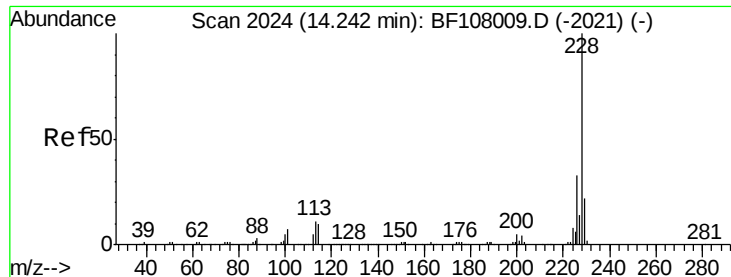
Tot Ion:244 Resp: 859426
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 9.5 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.037 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108507.D
 Acq: 27 Aug 2018 13:48

Tgt Ion:228 Resp: 50442
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 20.1 15.8 23.6





#82

Chrysene

Concen: 3.120 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

Instrument :

BNA_F

ClientSampleId :

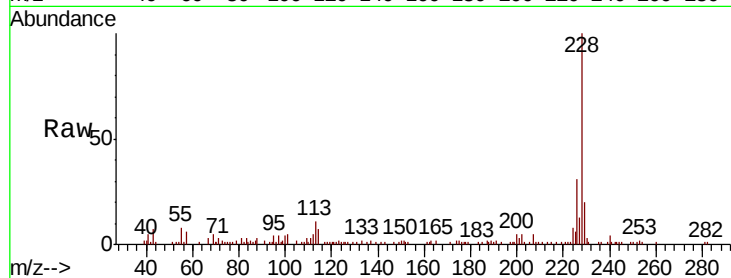
Tot Ion:228 Resp: 47504

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

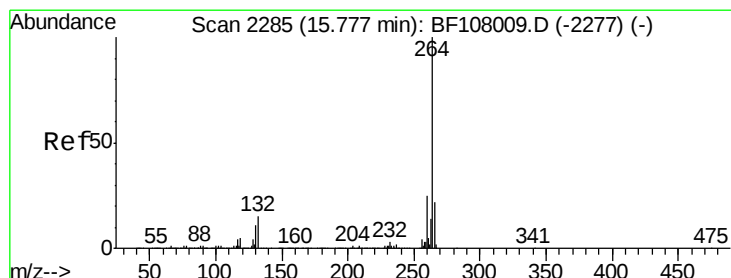
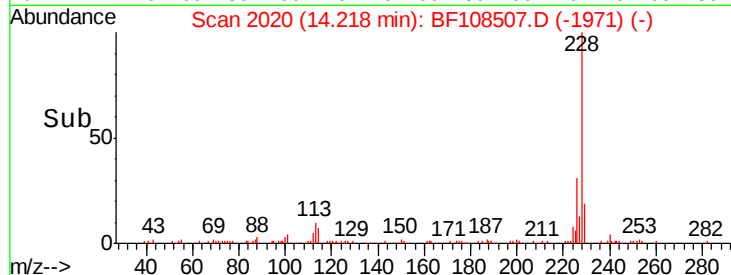
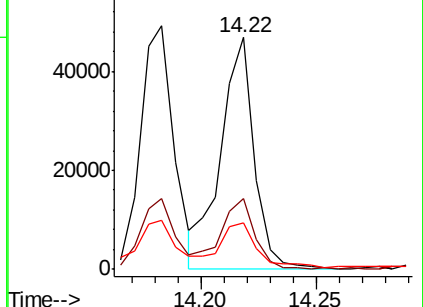
229 20.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

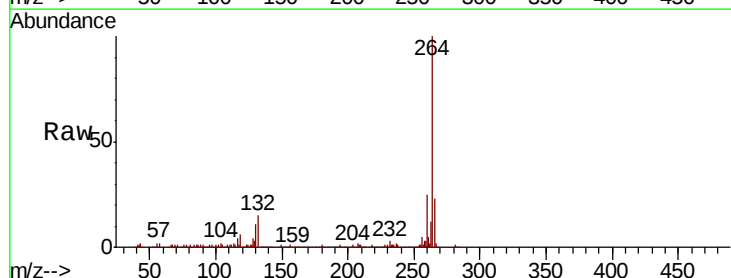
Tgt Ion:264 Resp: 279476

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

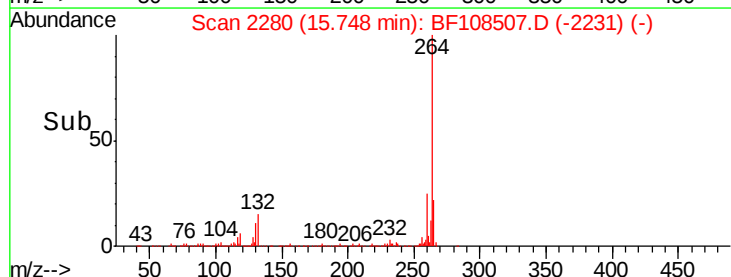
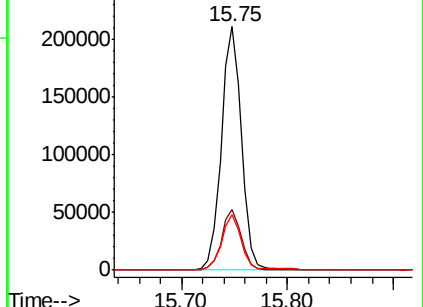
265 22.6 17.5 26.3

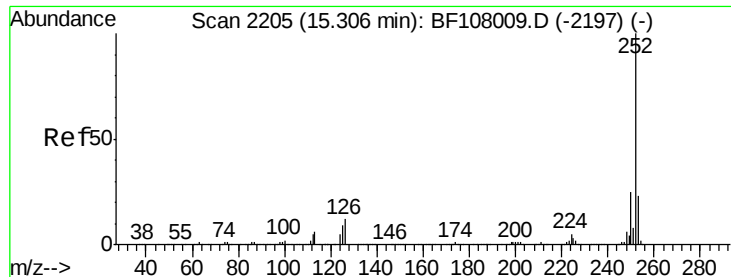


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

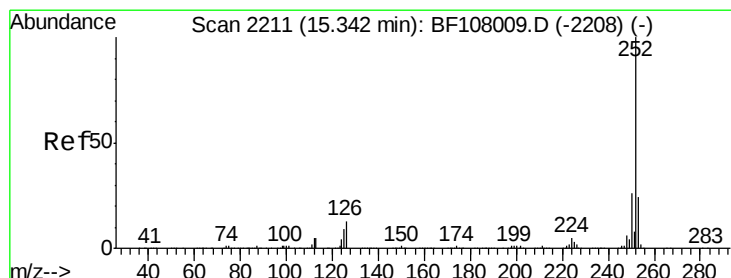
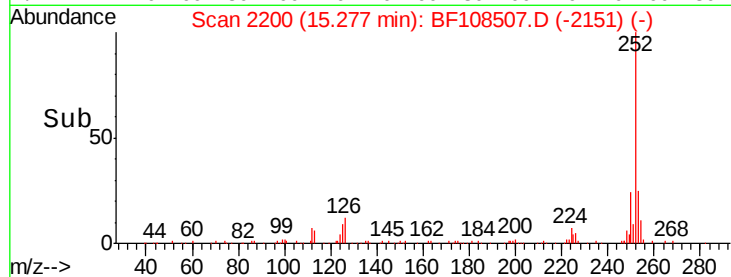
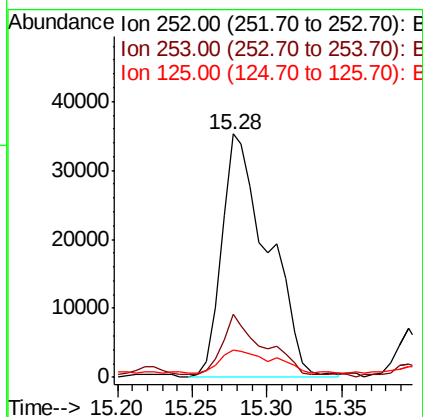
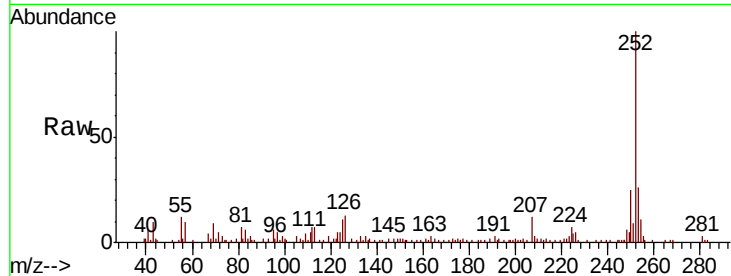




#87
Benzo(b)fluoranthene
Concen: 4.548 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108507.D
Acq: 27 Aug 2018 13:48

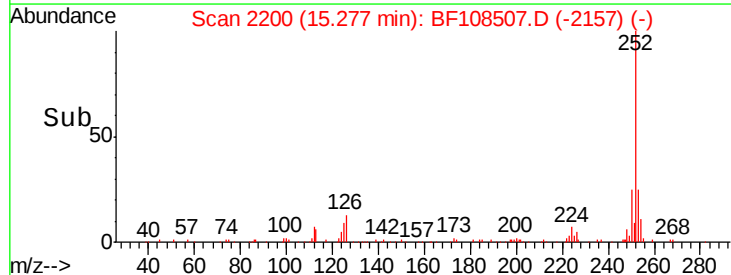
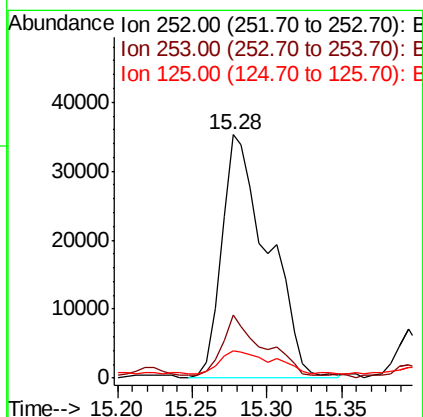
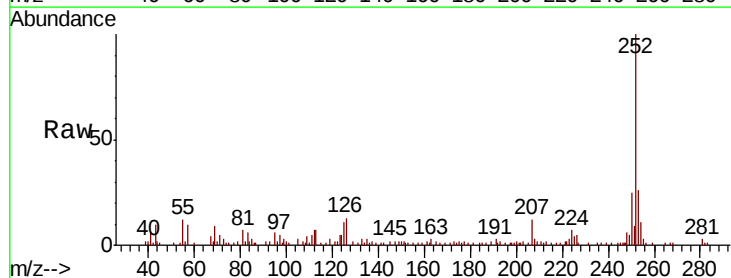
Instrument :
BNA_F
ClientSampleId :

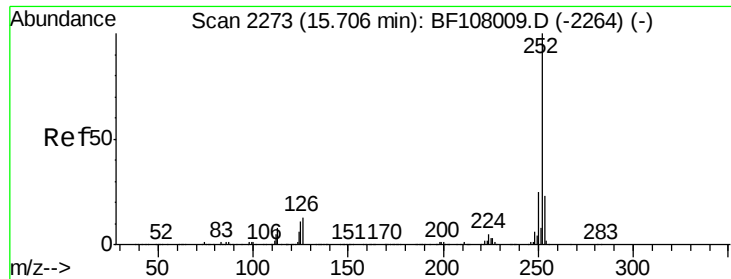
Tot Ion:252 Resp: 75951
Ion Ratio Lower Upper
252 100
253 26.2 17.0 25.6#
125 11.3 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 4.948 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.05 min
Lab File: BF108507.D
Acq: 27 Aug 2018 13:48

Tgt Ion:252 Resp: 75951
Ion Ratio Lower Upper
252 100
253 26.2 17.9 26.9
125 11.3 10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.110 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

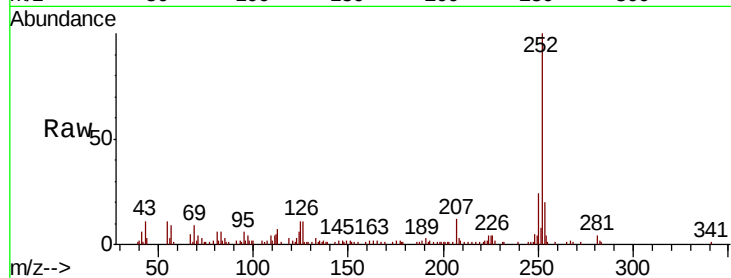
Lab File: BF108507.D

Acq: 27 Aug 2018 13:48

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	46508
Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.1	25.7
125	10.5	9.8	14.6

