

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108743.D
 Acq On : 4 Sep 2018 16:19
 Operator : JU/SJ
 Sample : J4712-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 03:10:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

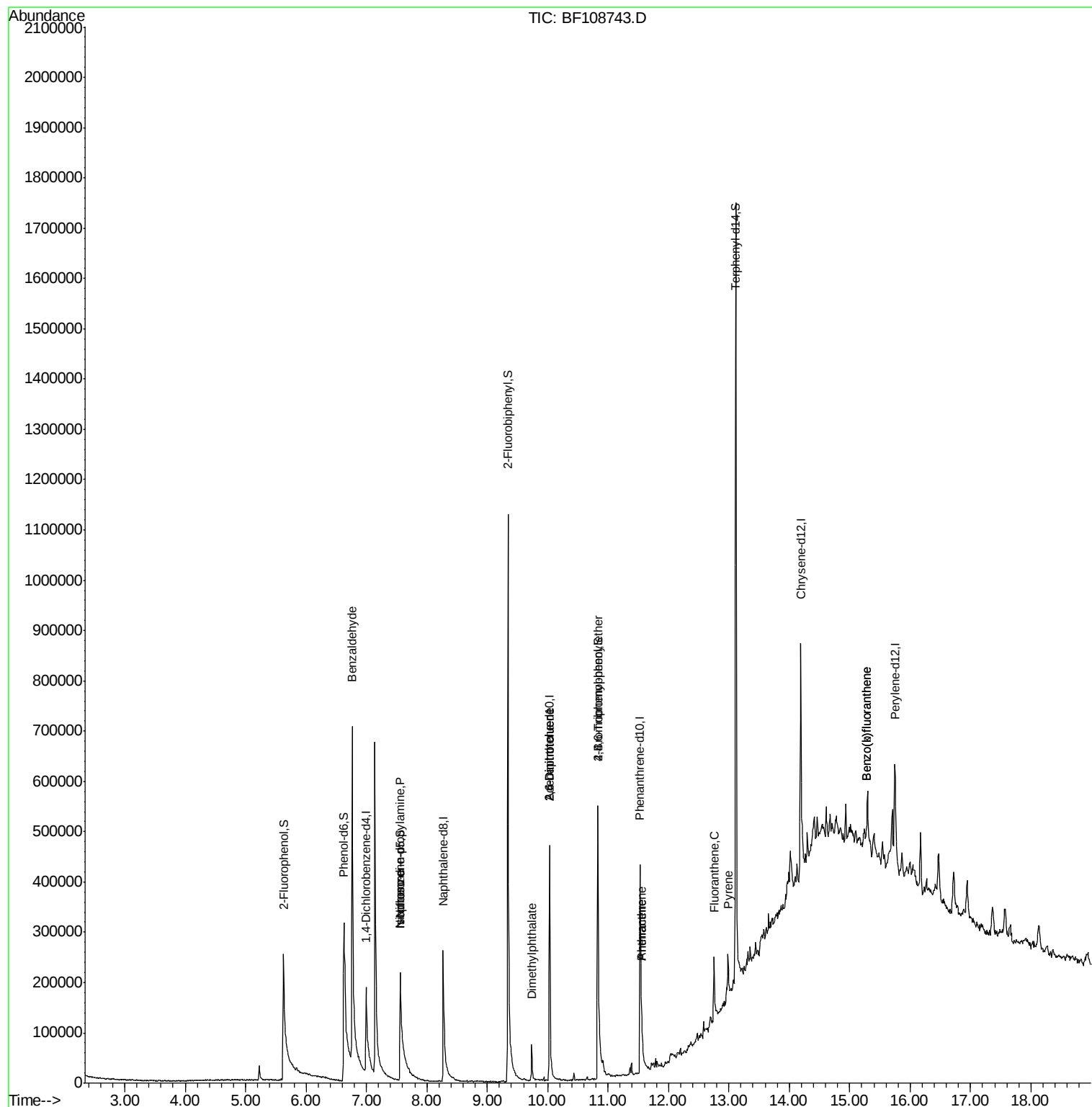
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	63474	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	253190	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	117282	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	262211	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	210840	20.00	ng	-0.01
86) Perylene-d12	15.75	264	148699	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	221196	60.54	ng	-0.02
7) Phenol-d6	6.62	99	403213	77.05	ng	-0.02
23) Nitrobenzene-d5	7.56	82	262528	52.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.83	330	118618	76.61	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	539174	61.81	ng	-0.02
78) Terphenyl-d14	13.11	244	680351	62.70	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.76	77	7249	2.241	ng	# 74
19) n-Nitroso-di-n-propylamine	7.56	70	30521	8.709	ng	# 85
25) Isophorone	7.56	82	262528	31.683	ng	# 64
49) Dimethylphthalate	9.74	163	43744	4.737	ng	# 98
50) 2,6-Dinitrotoluene	10.03	165	15050	7.393	ng	# 24
56) 2,4-Dinitrotoluene	10.03	165	15321	5.684	ng	# 21
66) 4-Bromophenyl-phenylether	10.83	248	7149	2.218	ng	# 1
70) Phenanthrene	11.56	178	29161	2.203	ng	98
71) Anthracene	11.56	178	29161	2.097	ng	99
74) Fluoranthene	12.75	202	83484	5.604	ng	94
77) Pyrene	12.98	202	56446	3.561	ng	98
87) Benzo(b)fluoranthene	15.28	252	22332	2.445	ng	# 32
88) Benzo(k)fluoranthene	15.28	252	22332	2.468	ng	# 36

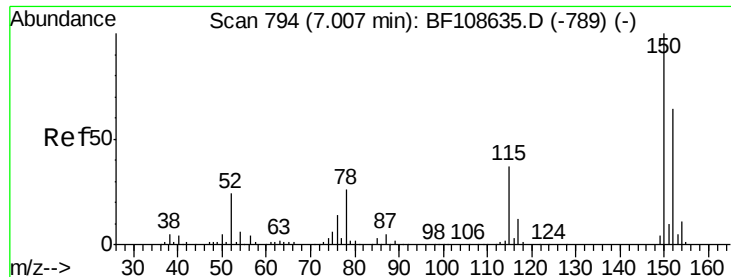
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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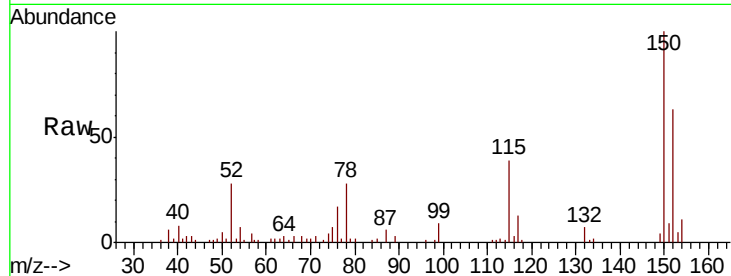


#1

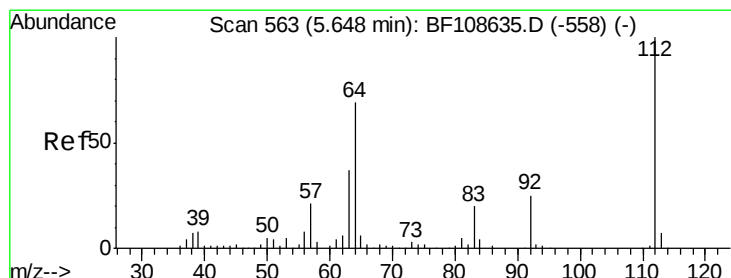
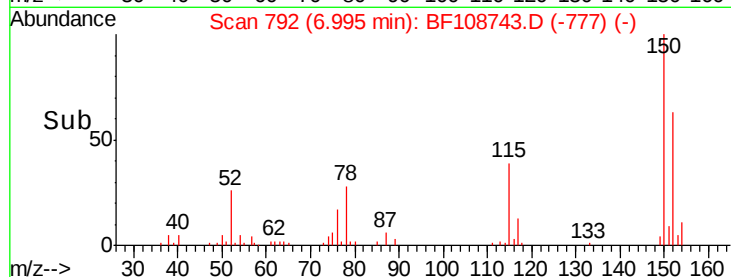
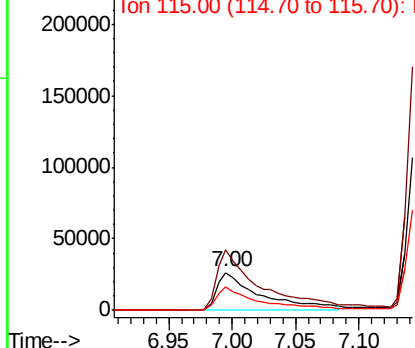
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108743.D
Acq: 4 Sep 2018 16:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 63474
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 61.9 50.1 75.1



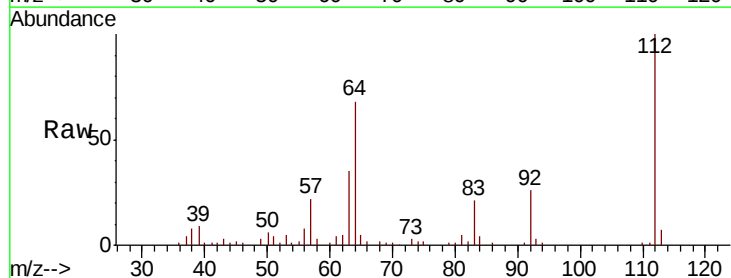
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



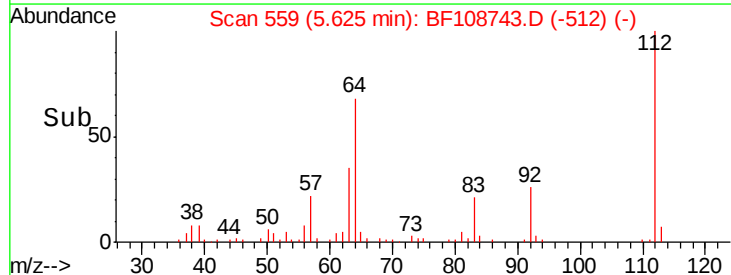
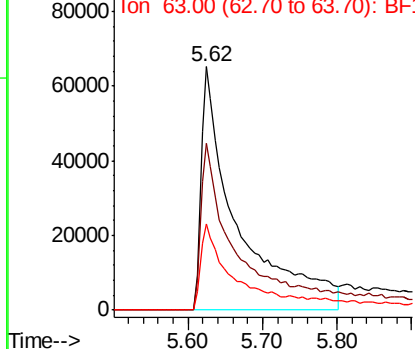
#5

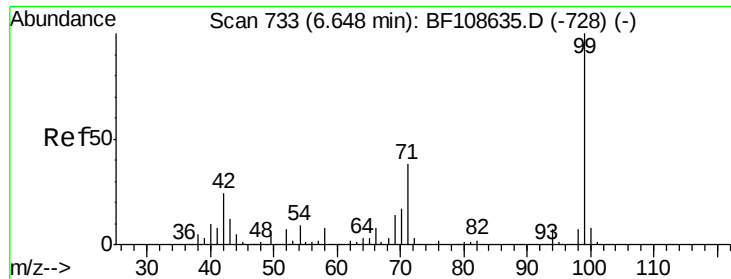
2-Fluorophenol
Concen: 60.539 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF108743.D
Acq: 4 Sep 2018 16:19

Tgt Ion:112 Resp: 221196
Ion Ratio Lower Upper
112 100
64 68.4 47.9 71.9
63 35.4 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: 77.049 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108743.D

Acq: 4 Sep 2018 16:19

Instrument :

BNA_F

ClientSampled :

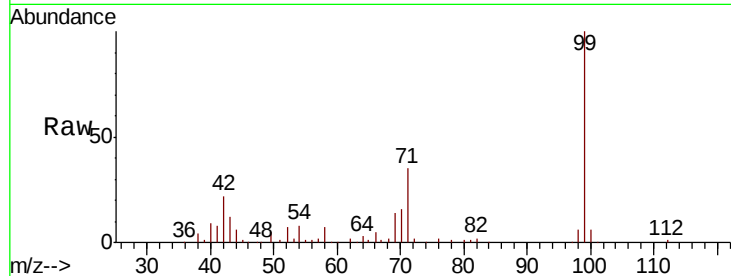
Tot Ion: 99 Resp: 403213

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

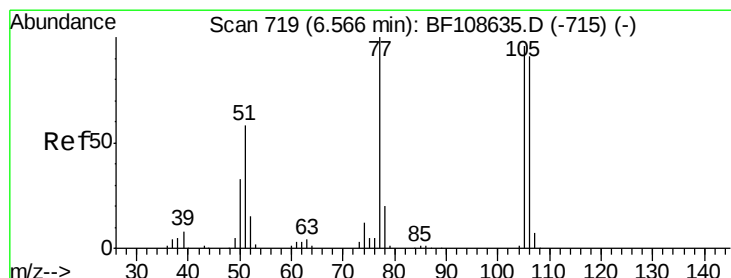
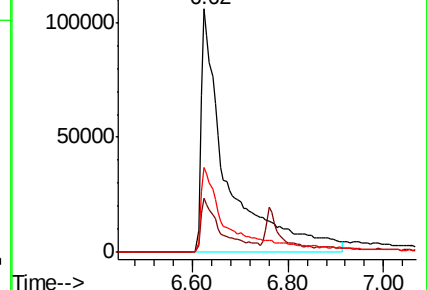
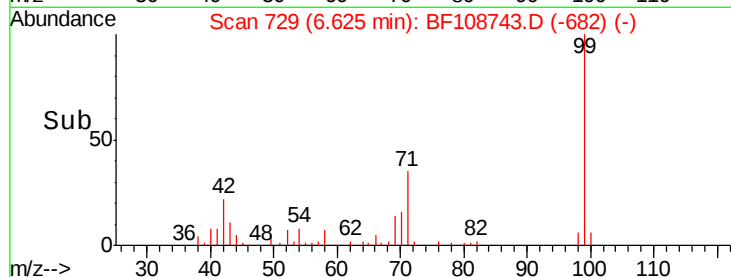
71 35.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.241 ng

RT: 6.76 min Scan# 752

Delta R.T. 0.19 min

Lab File: BF108743.D

Acq: 4 Sep 2018 16:19

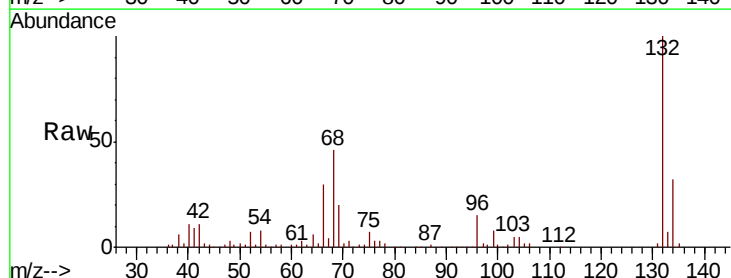
Tgt Ion: 77 Resp: 7249

Ion Ratio Lower Upper

77 100

105 72.0 81.1 121.1#

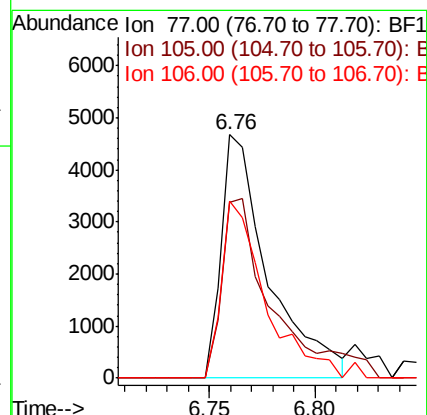
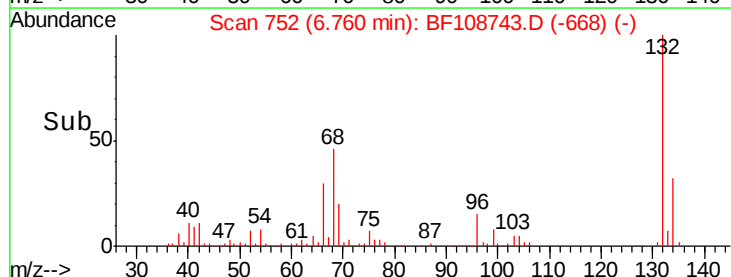
106 72.5 74.5 114.5#

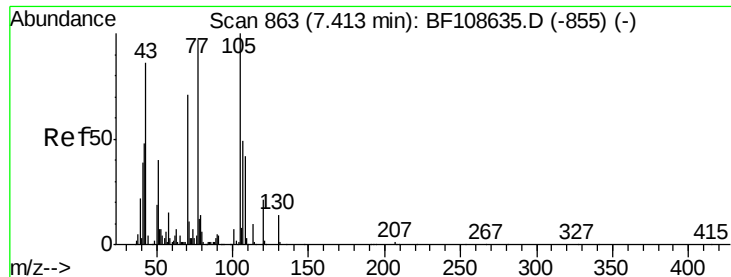


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

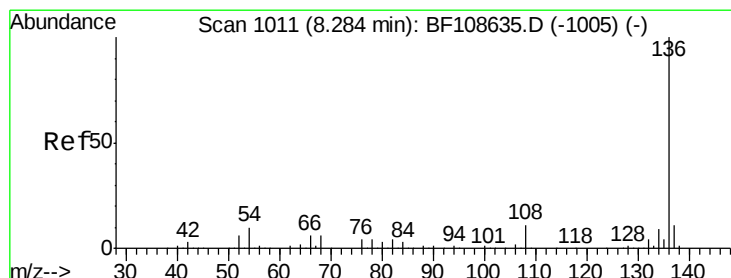
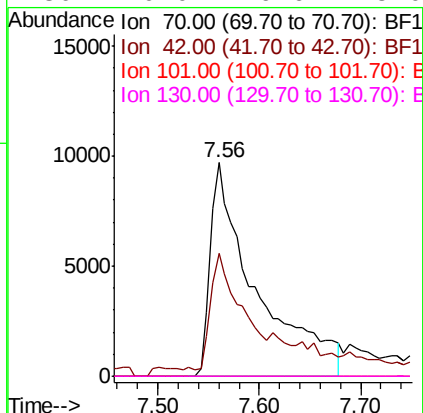
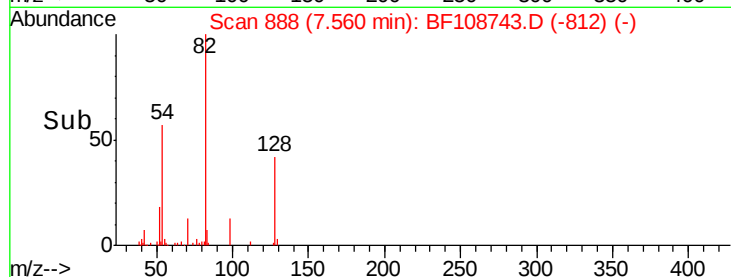
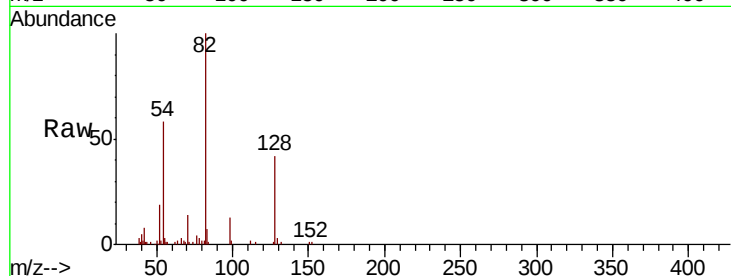




#19
n-Nitroso-di-n-propylamine
Concen: 8.709 ng
RT: 7.56 min Scan# 888
Delta R.T. 0.15 min
Lab File: BF108743.D
Acq: 4 Sep 2018 16:19

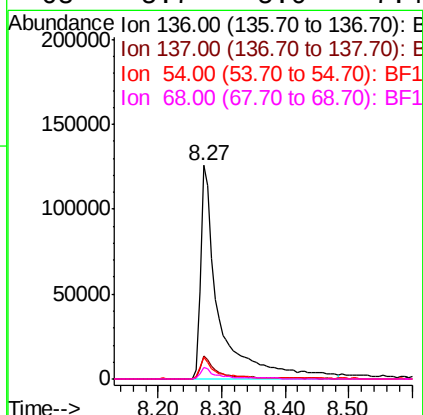
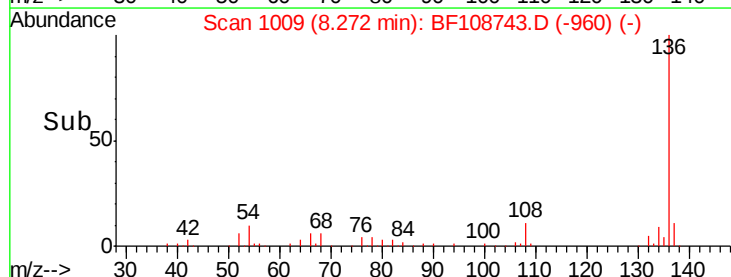
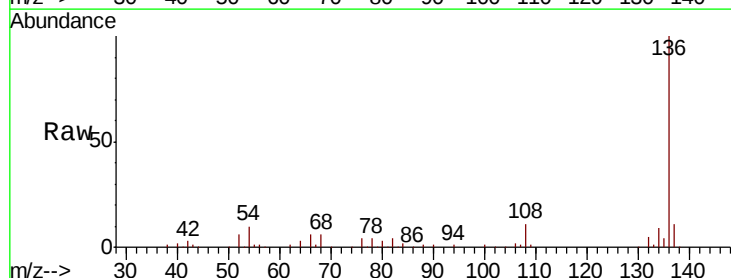
Instrument :
BNA_F
ClientSampleId :

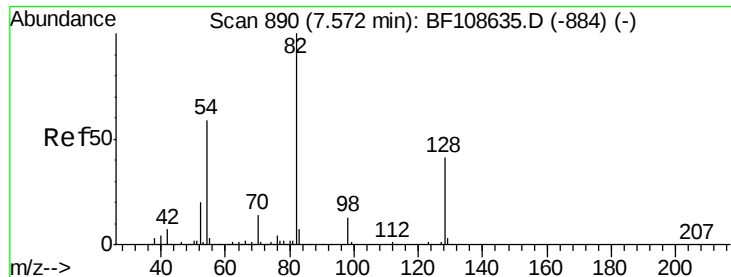
Tot Ion: 70 Resp: 30521
Ion Ratio Lower Upper
70 100
42 57.4 47.5 71.3
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF108743.D
Acq: 4 Sep 2018 16:19

Tgt Ion: 136 Resp: 253190
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.1 6.6 9.8#
68 5.7 5.0 7.4

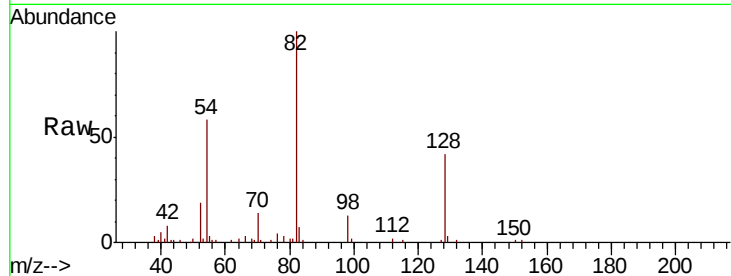




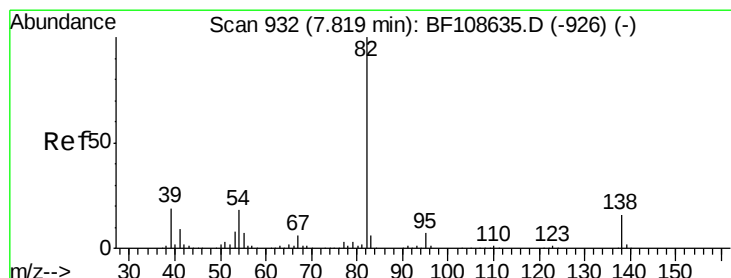
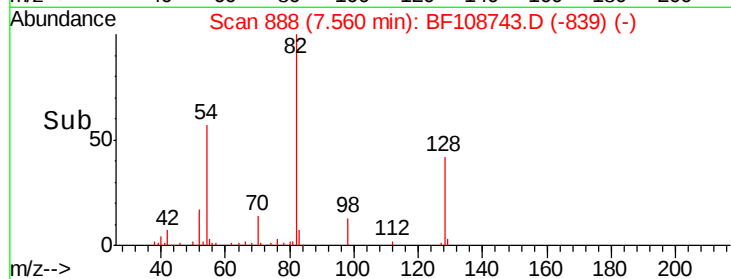
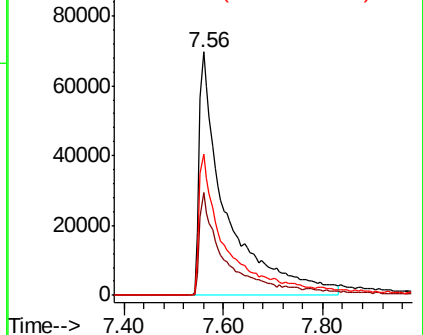
#23
 Nitrobenzene-d5
 Concen: 52.631 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108743.D
 Acq: 4 Sep 2018 16:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	262528
Ion Ratio	Lower	Upper	
82	100		
128	42.3	36.1	54.1
54	58.2	41.4	62.2

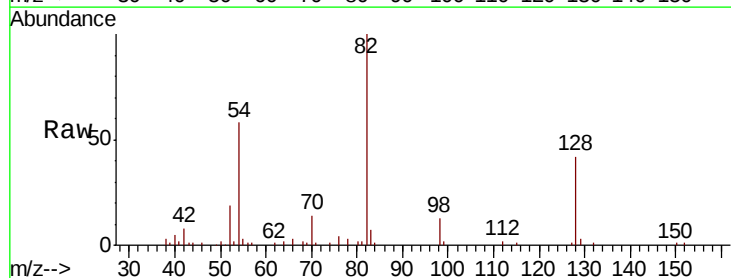


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

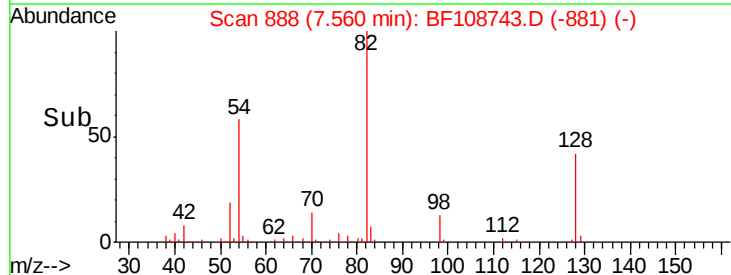
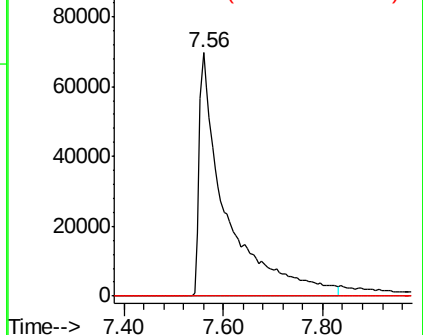


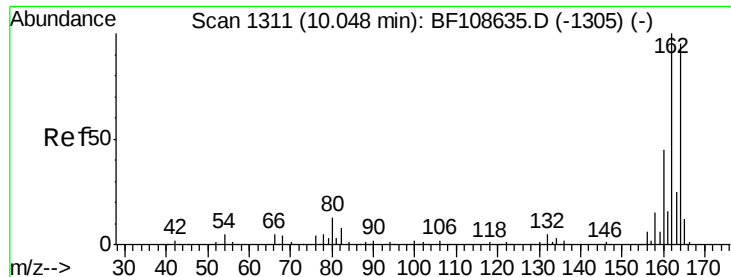
#25
 Isophorone
 Concen: 31.683 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.26 min
 Lab File: BF108743.D
 Acq: 4 Sep 2018 16:19

Tgt Ion	82	Resp	262528
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: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108743.D

Acq: 4 Sep 2018 16:19

Instrument :

BNA_F

ClientSampled :

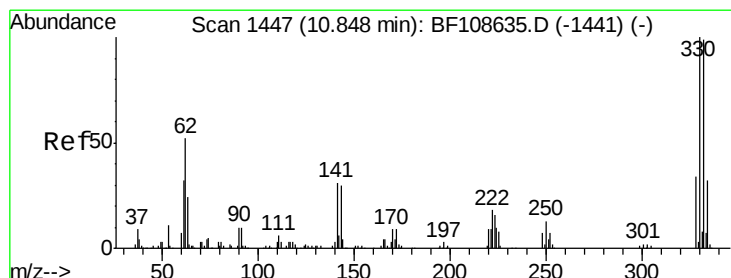
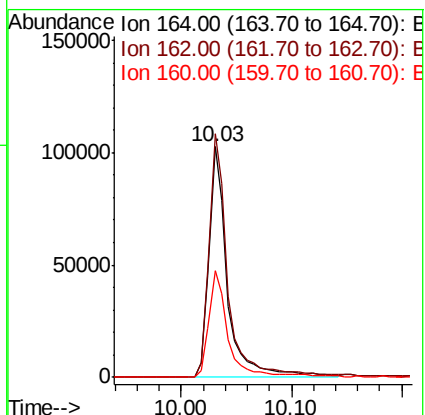
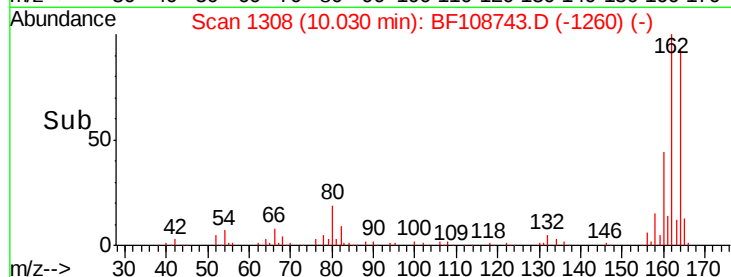
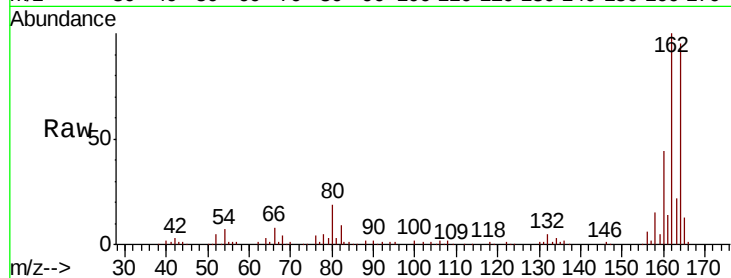
Tot Ion:164 Resp: 117282

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

160 46.5 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 76.613 ng

RT: 10.83 min Scan# 1444

Delta R.T. -0.02 min

Lab File: BF108743.D

Acq: 4 Sep 2018 16:19

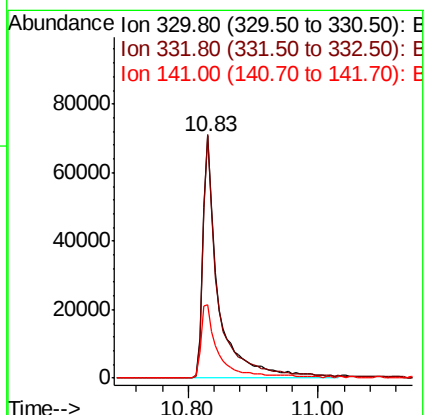
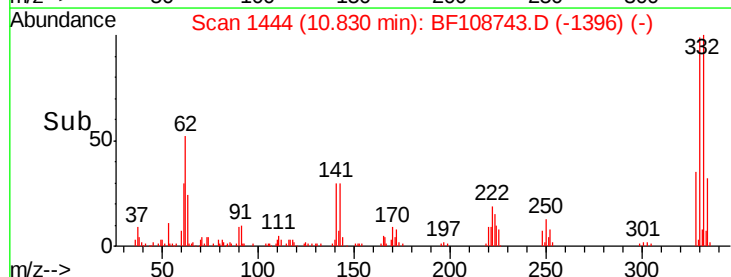
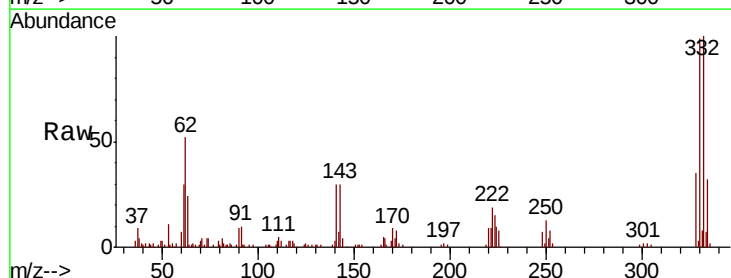
Tgt Ion:330 Resp: 118618

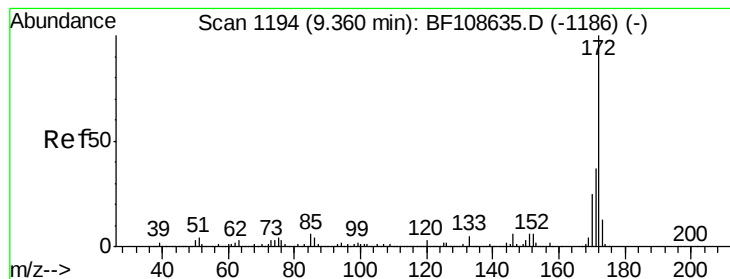
Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

141 34.9 29.9 44.9

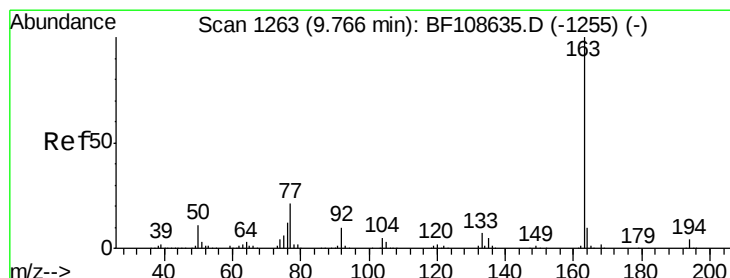
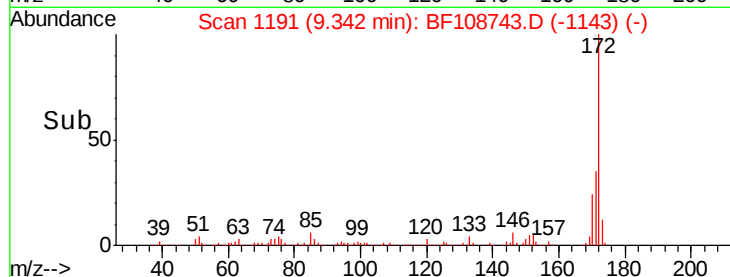
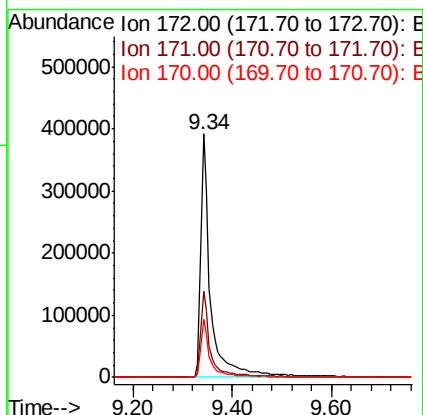
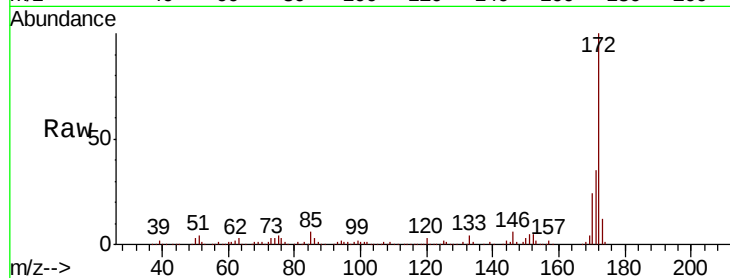




#44
 2-Fluorobiphenyl
 Concen: 61.813 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108743.D
 Acq: 4 Sep 2018 16:19

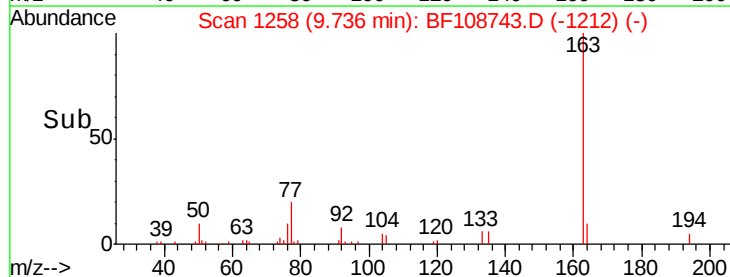
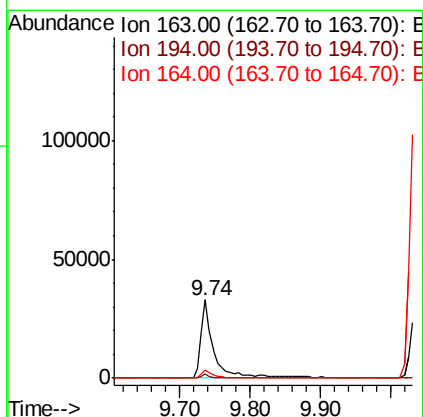
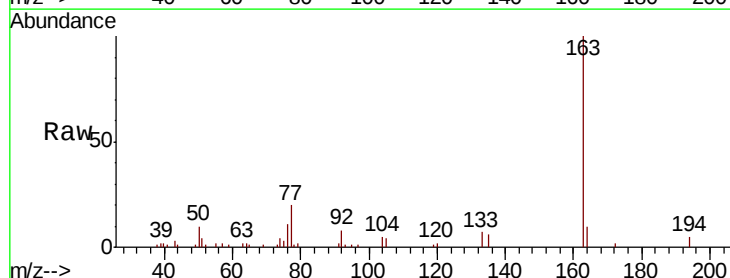
Instrument :
 BNA_F
 ClientSampled :

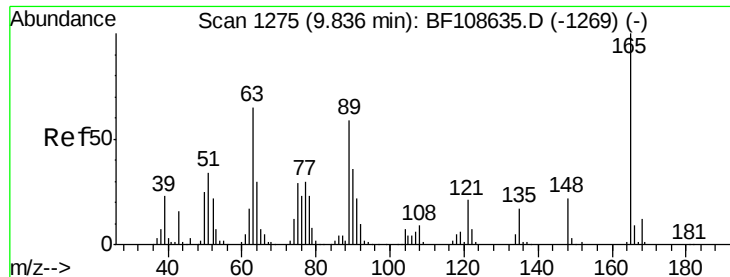
Tot Ion:172 Resp: 539174
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.6 19.6 29.4



#49
 Dimethylphthalate
 Concen: 4.737 ng
 RT: 9.74 min Scan# 1258
 Delta R.T. -0.03 min
 Lab File: BF108743.D
 Acq: 4 Sep 2018 16:19

Tgt Ion:163 Resp: 43744
 Ion Ratio Lower Upper
 163 100
 194 4.7 2.7 4.1#
 164 9.7 8.2 12.2

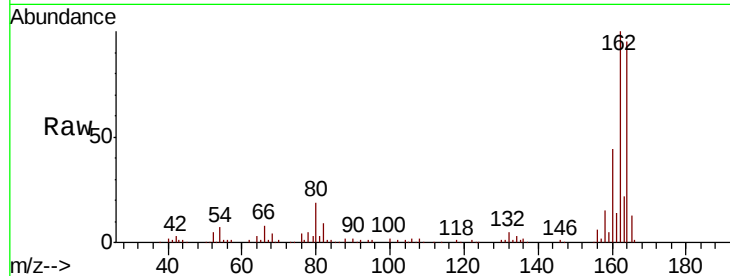




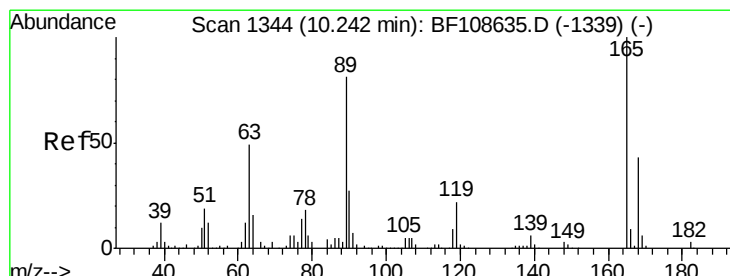
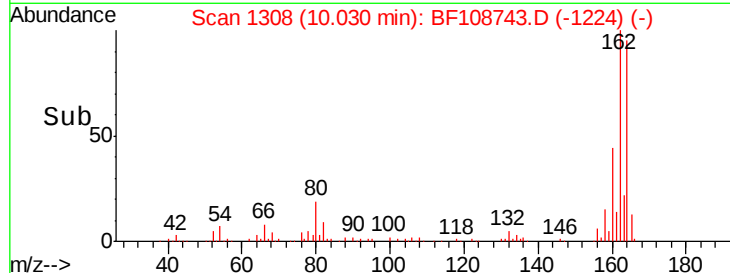
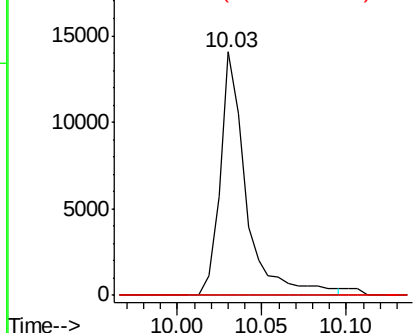
#50
 2,6-Dinitrotoluene
 Concen: 7.393 ng
 RT: 10.03 min Scan# 1308
 Delta R.T. 0.19 min
 Lab File: BF108743.D
 Acq: 4 Sep 2018 16:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



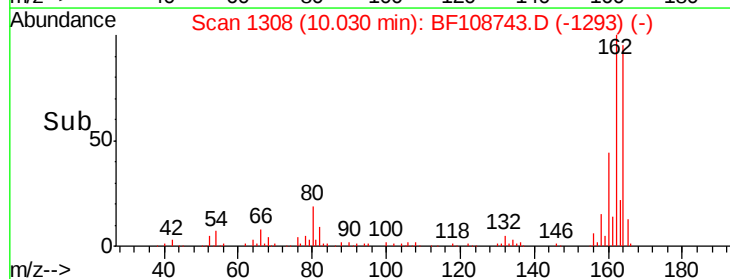
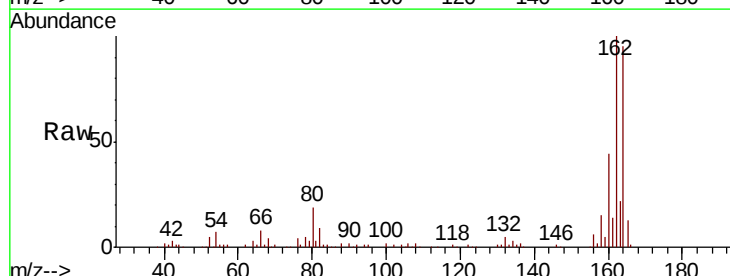
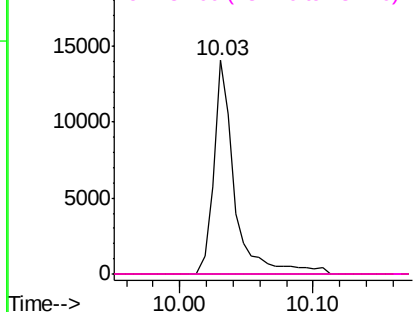
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

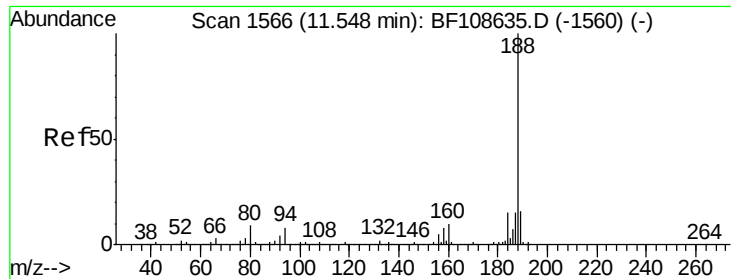


#56
 2,4-Dinitrotoluene
 Concen: 5.684 ng
 RT: 10.03 min Scan# 1308
 Delta R.T. -0.21 min
 Lab File: BF108743.D
 Acq: 4 Sep 2018 16:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	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

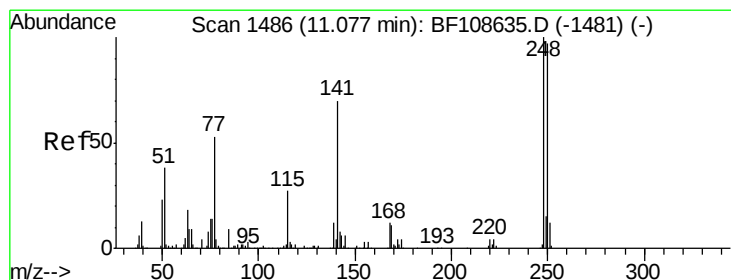
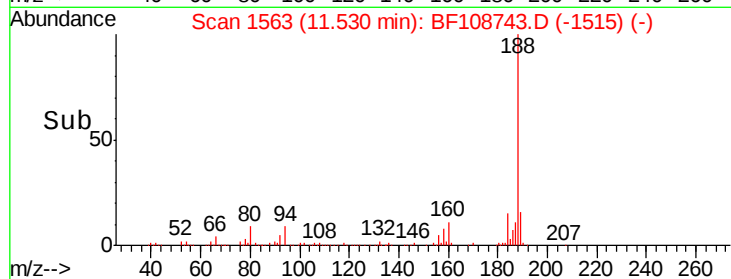
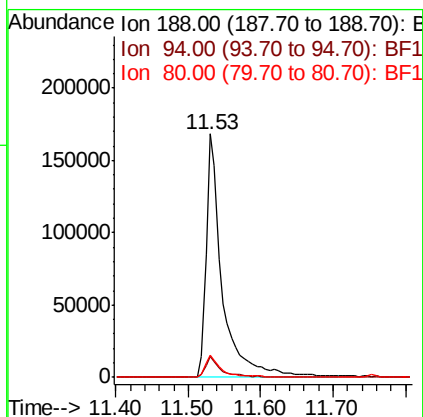
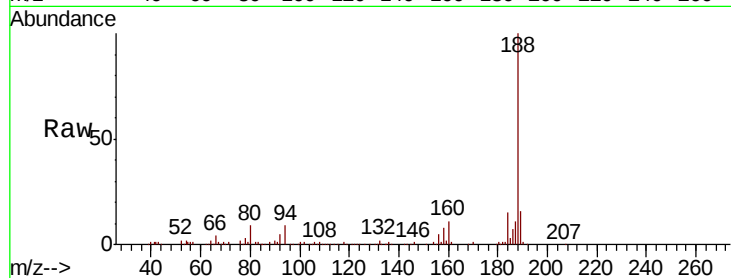




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108743.D
Acq: 4 Sep 2018 16:19

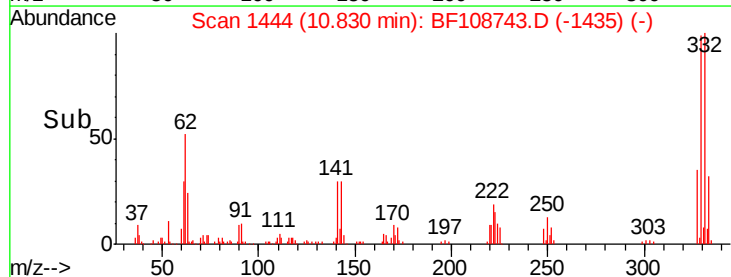
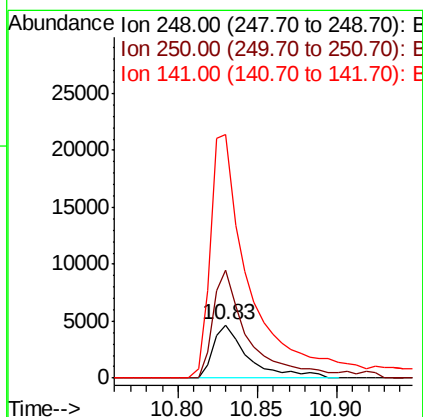
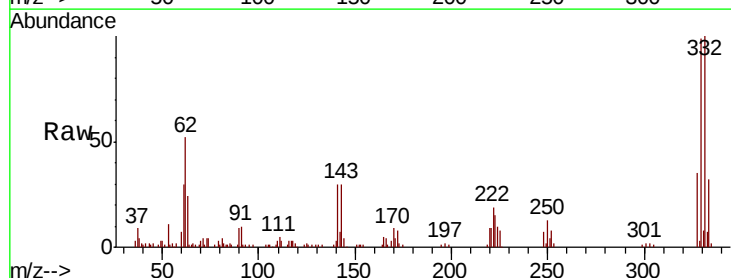
Instrument :
BNA_F
ClientSampled :

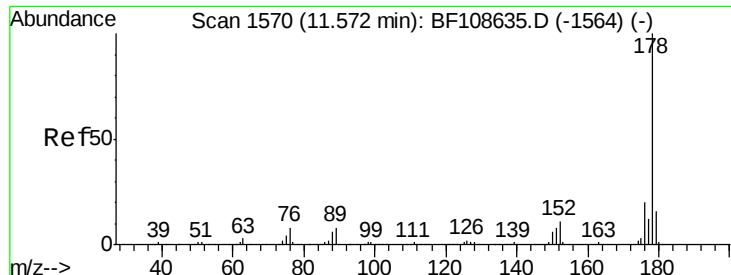
Tot Ion:188 Resp: 262211
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 9.2 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 2.218 ng
RT: 10.83 min Scan# 1444
Delta R.T. -0.25 min
Lab File: BF108743.D
Acq: 4 Sep 2018 16:19

Tgt Ion:248 Resp: 7149
Ion Ratio Lower Upper
248 100
250 202.4 76.9 115.3#
141 457.1 74.4 111.6#

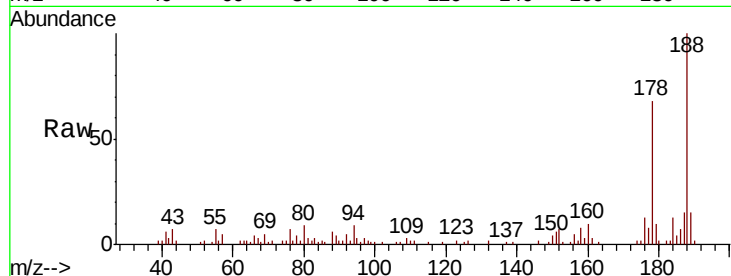




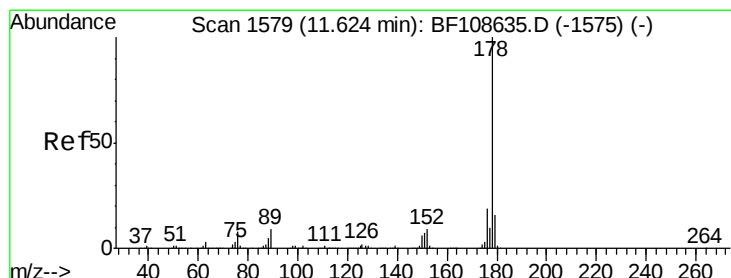
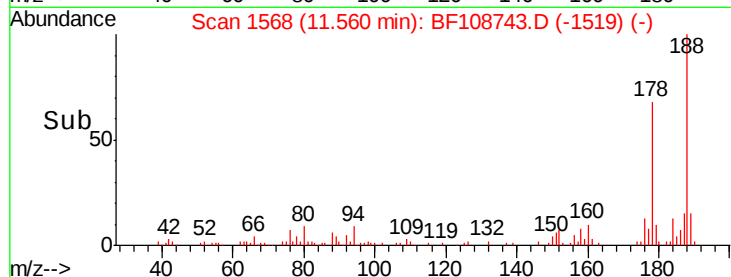
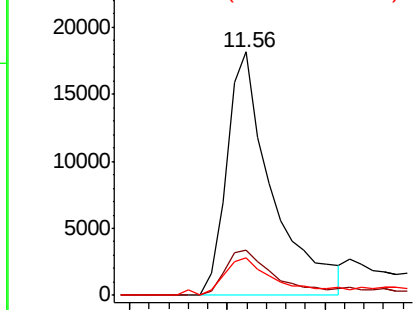
#70
 Phenanthrene
 Concen: 2.203 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF108743.D
 Acq: 4 Sep 2018 16:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 29161
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.3 13.0 19.6

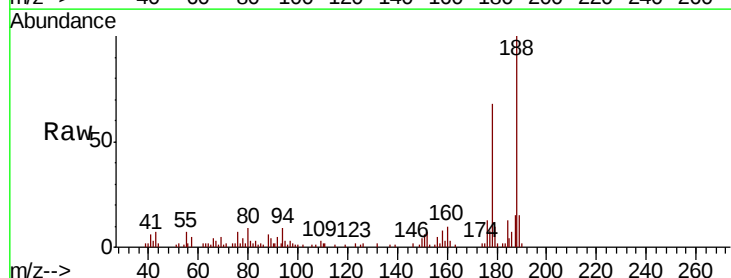


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

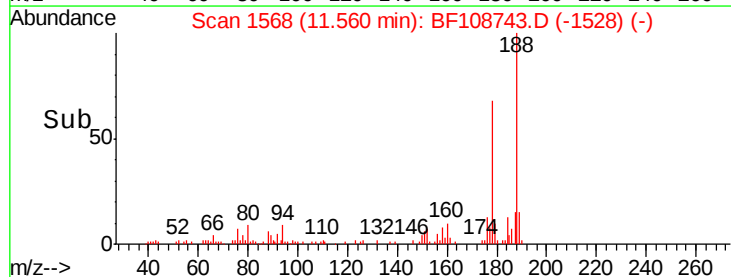
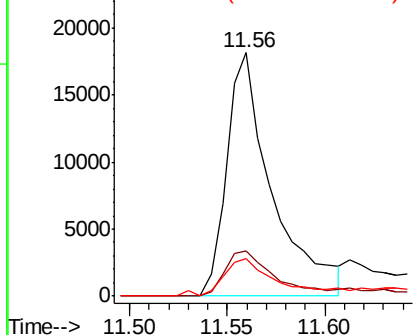


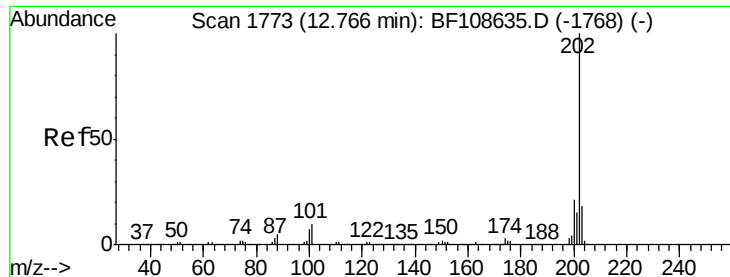
#71
 Anthracene
 Concen: 2.097 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.06 min
 Lab File: BF108743.D
 Acq: 4 Sep 2018 16:19

Tgt Ion:178 Resp: 29161
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.604 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108743.D

Acq: 4 Sep 2018 16:19

Instrument :

BNA_F

ClientSampleId :

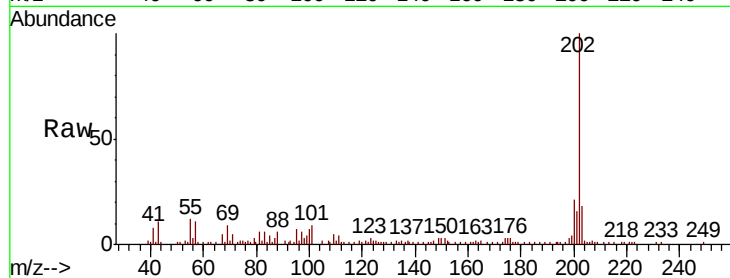
Tot Ion:202 Resp: 83484

Ion Ratio Lower Upper

202 100

101 9.0 0.0 34.1

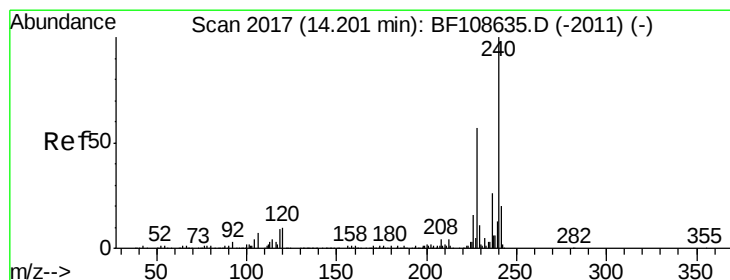
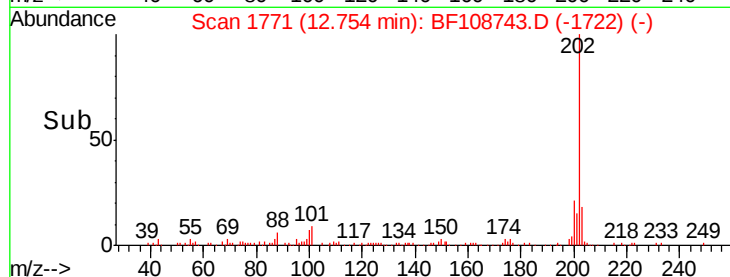
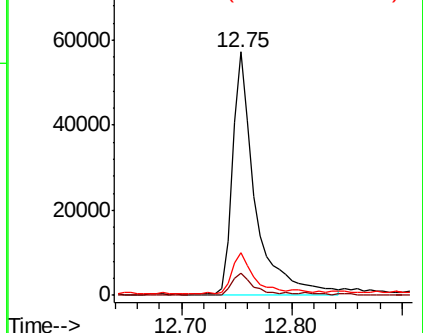
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108743.D

Acq: 4 Sep 2018 16:19

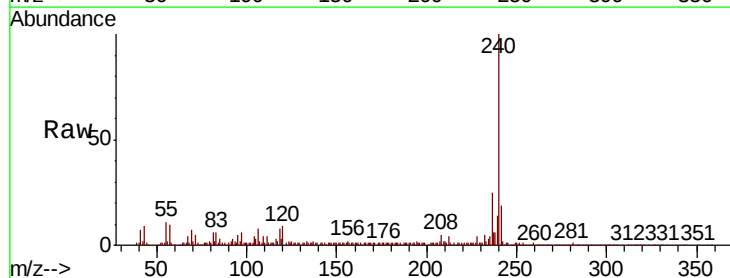
Tgt Ion:240 Resp: 210840

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

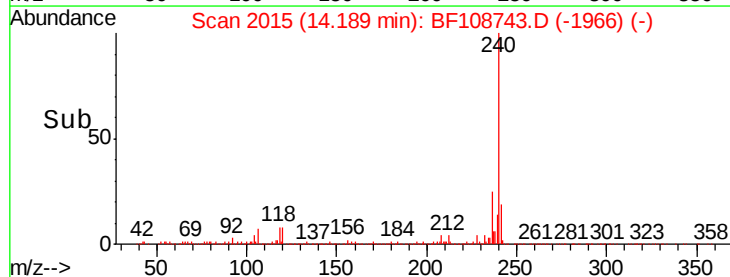
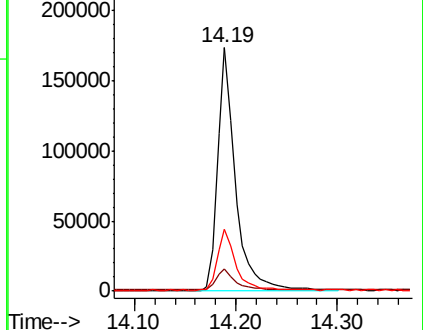
236 25.4 20.7 31.1

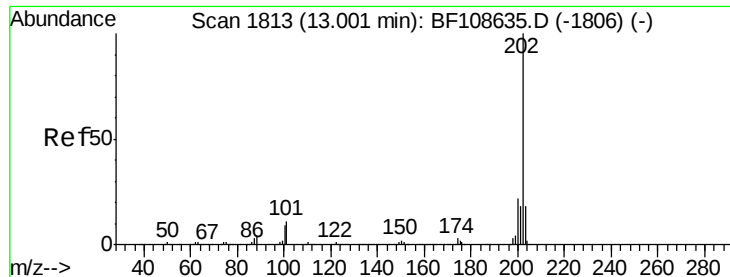


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.561 ng

RT: 12.98 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF108743.D

Acq: 4 Sep 2018 16:19

Instrument :

BNA_F

ClientSampled :

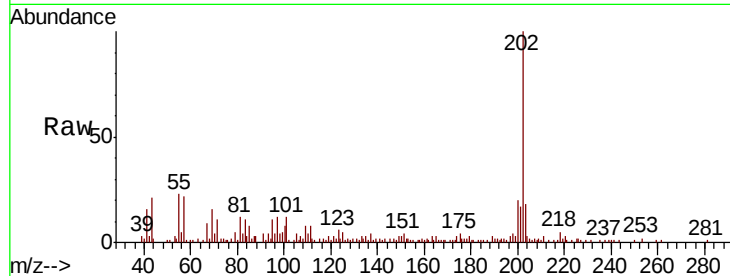
Tot Ion:202 Resp: 56446

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

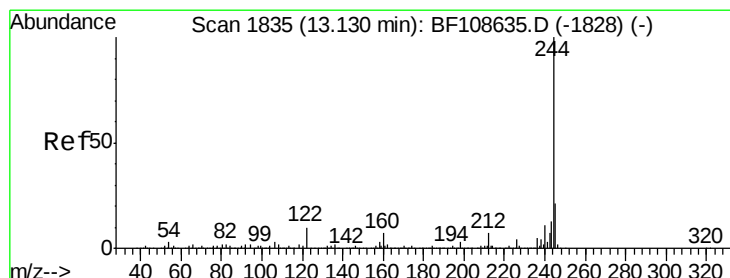
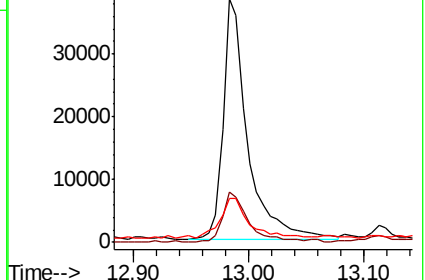
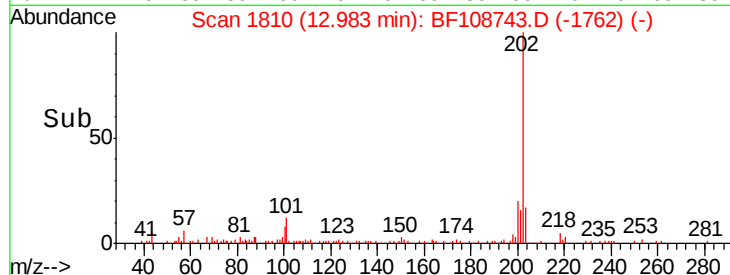
203 17.9 14.3 21.5



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: 62.696 ng

RT: 13.11 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF108743.D

Acq: 4 Sep 2018 16:19

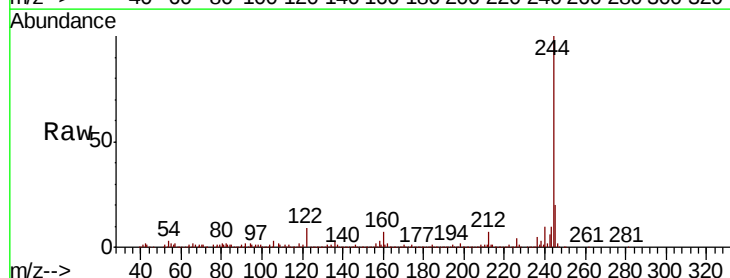
Tgt Ion:244 Resp: 680351

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

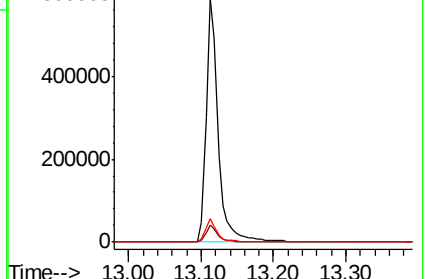
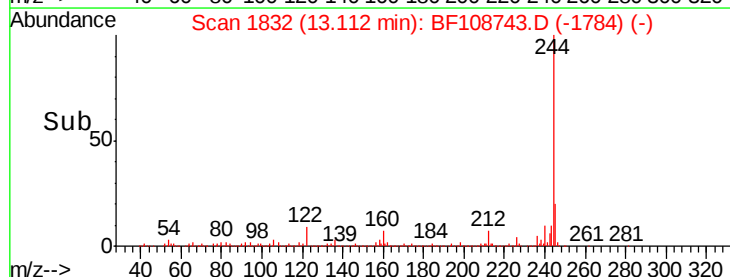
122 9.4 11.0 16.4#

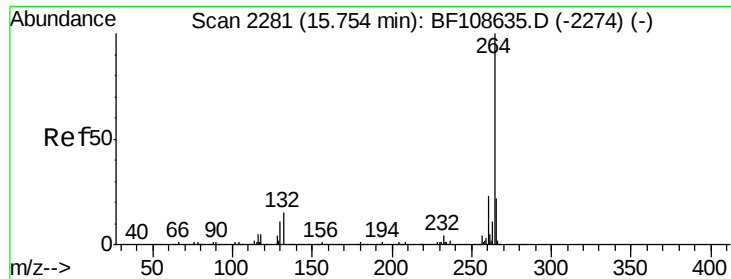


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

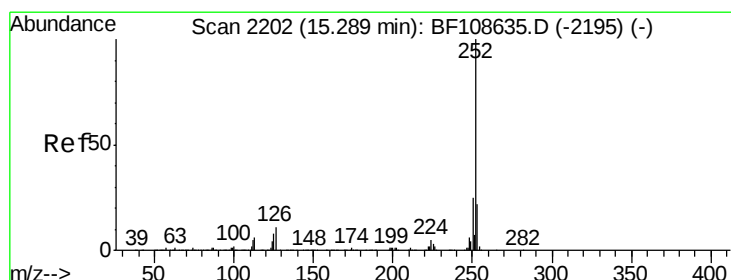
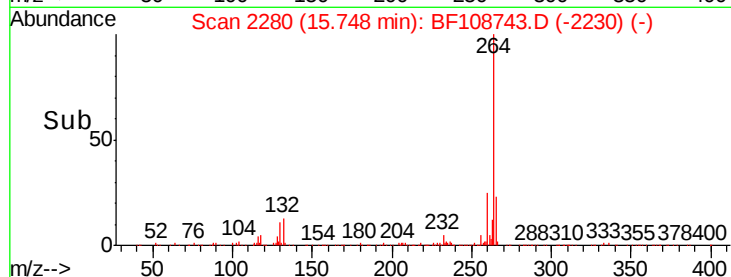
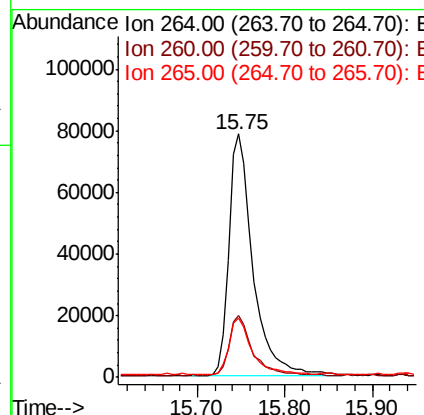
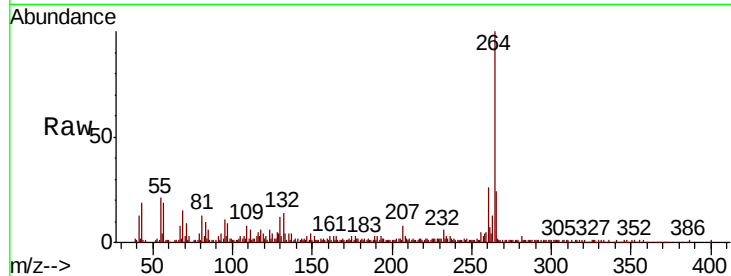




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108743.D
Acq: 4 Sep 2018 16:19

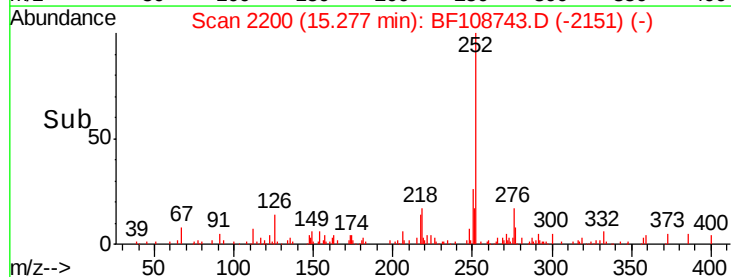
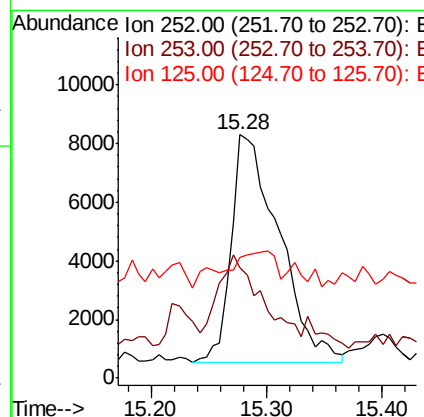
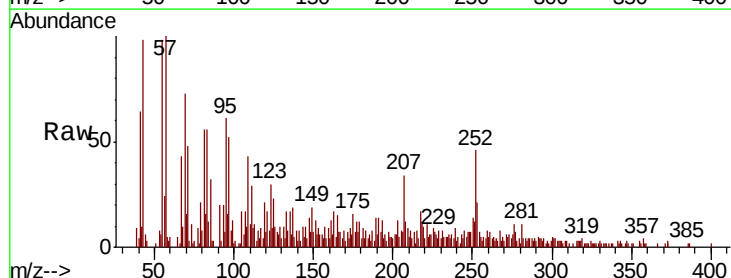
Instrument :
BNA_F
ClientSampled :

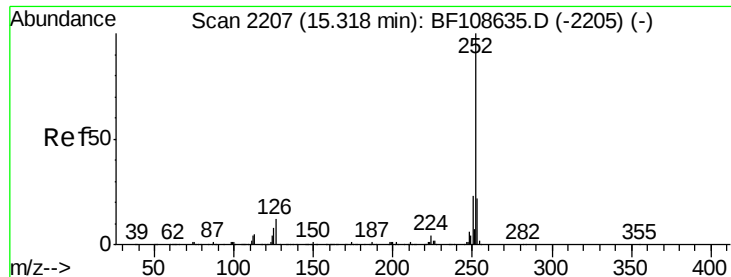
Tot Ion:264 Resp: 148699
Ion Ratio Lower Upper
264 100
260 25.6 19.2 28.8
265 24.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.445 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108743.D
Acq: 4 Sep 2018 16:19

Tgt Ion:252 Resp: 22332
Ion Ratio Lower Upper
252 100
253 45.4 17.0 25.6#
125 49.3 9.0 13.6#

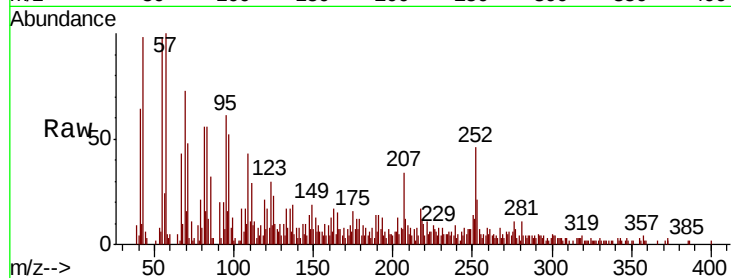




#88
 Benzo(k)fluoranthene
 Concen: 2.468 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. -0.04 min
 Lab File: BF108743.D
 Acq: 4 Sep 2018 16:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	45.4	17.9	26.9#
125	49.3	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

