

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108386.D
 Acq On : 22 Aug 2018 16:39
 Operator : JU/SJ
 Sample : J4573-11 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 17:07:22 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	171738	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	663209	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	335595	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	656299	20.00	ng	0.00
75) Chrysene-d12	14.19	240	388219	20.00	ng	0.00
86) Perylene-d12	15.75	264	369920	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	931555	98.20	ng	0.00
7) Phenol-d6	6.62	99	1265392	100.38	ng	0.00
23) Nitrobenzene-d5	7.57	82	846366	71.21	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	377115	112.66	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1599032	76.50	ng	0.00
78) Terphenyl-d14	13.13	244	1529739	100.19	ng	0.00

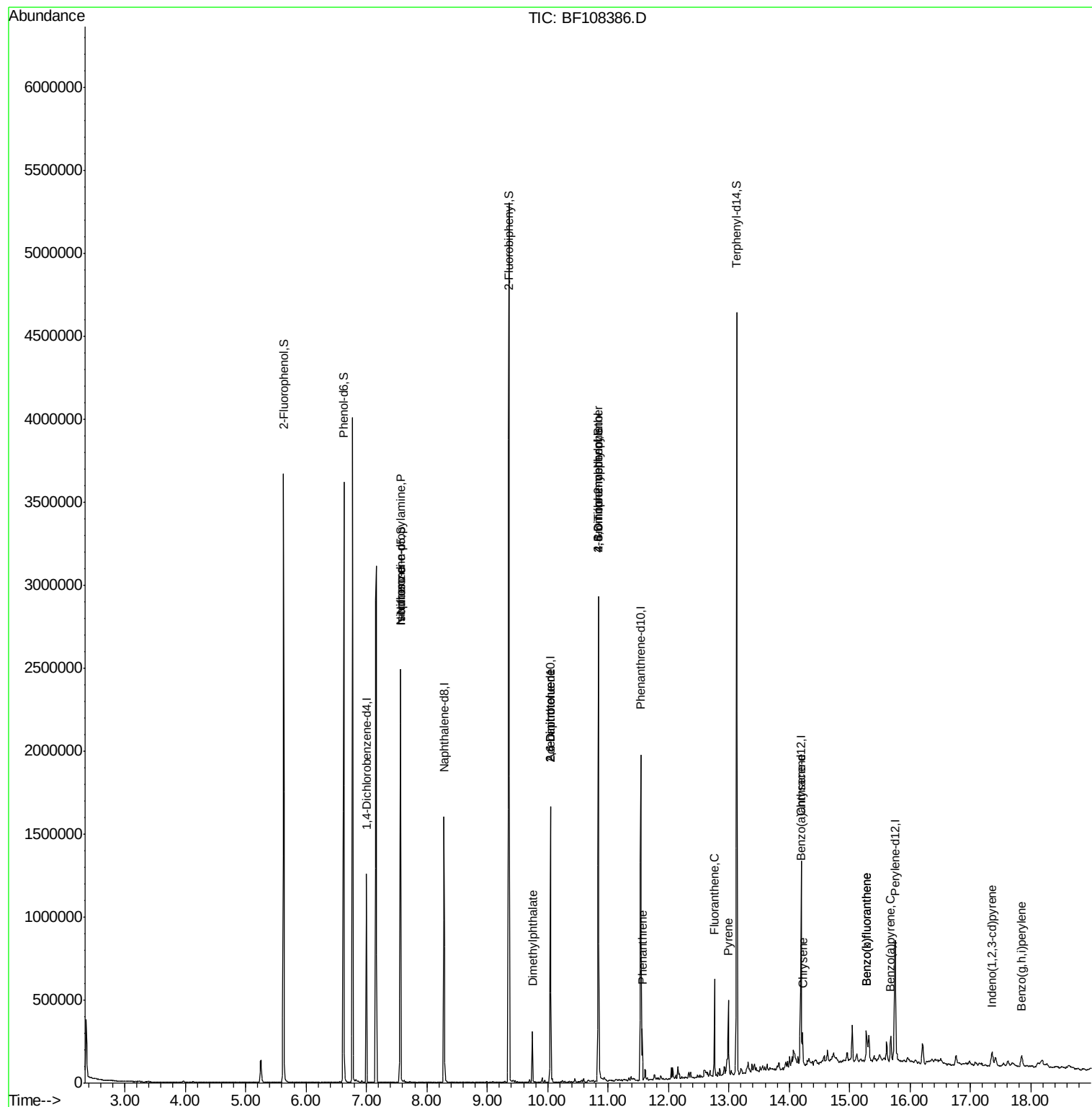
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	115435	13.542	ng	# 80
25) Isophorone	7.57	82	846353	37.361	ng	# 64
49) Dimethylphthalate	9.75	163	116979	5.004	ng	99
50) 2,6-Dinitrotoluene	10.04	165	42747	8.740	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	42747	6.790	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	714	5.616	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	24985	3.503	ng	# 1
70) Phenanthrene	11.57	178	104440	3.374	ng	98
74) Fluoranthene	12.76	202	213116	6.308	ng	93
77) Pyrene	12.99	202	191068	7.774	ng	98
80) Benzo(a)anthracene	14.18	228	83144	3.732	ng	97
82) Chrysene	14.22	228	72901	3.569	ng	99
85) Indeno(1,2,3-cd)pyrene	17.36	276	56342	3.183	ng	# 90
87) Benzo(b)fluoranthene	15.28	252	142853	6.463	ng	99
88) Benzo(k)fluoranthene	15.28	252	142853	7.030	ng	98
89) Benzo(a)pyrene	15.68	252	73404	3.708	ng	98
91) Benzo(a,h,i)perylene	17.85	276	58410	3.622	ng	# 91

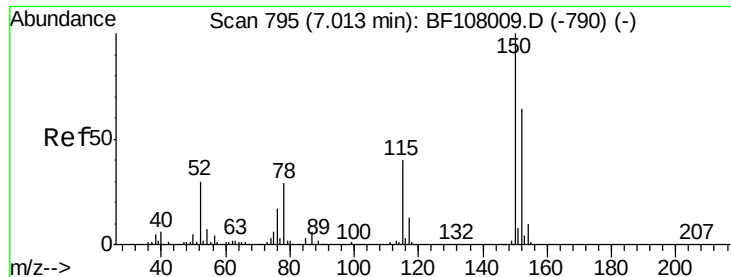
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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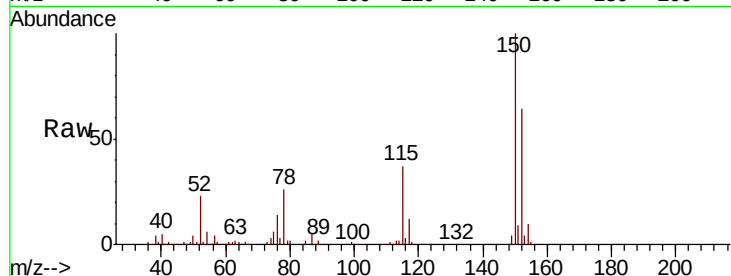


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	58.6	50.1	75.1

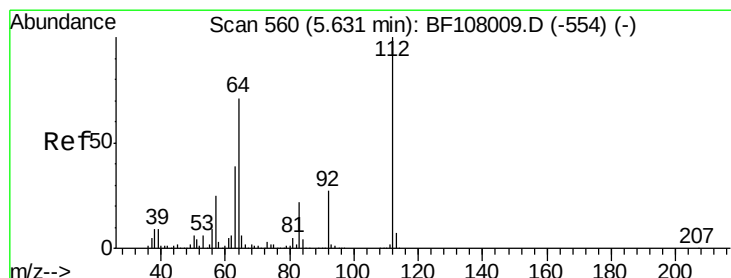
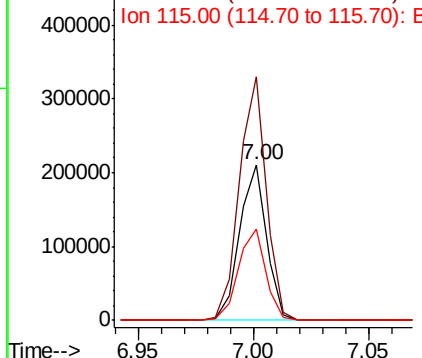
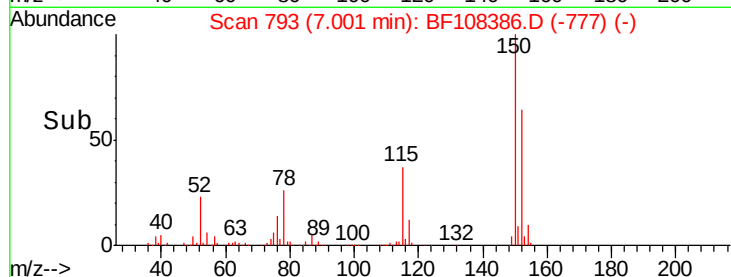


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

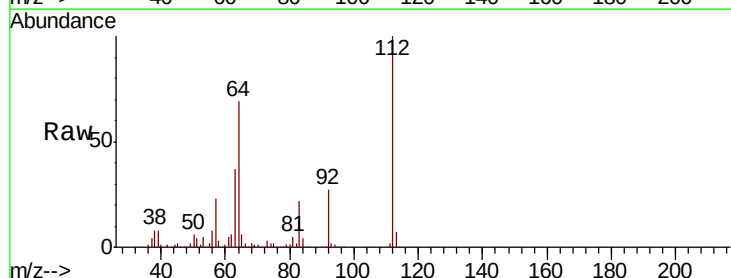
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.204 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	47.9	71.9
63	36.6	23.7	35.5#

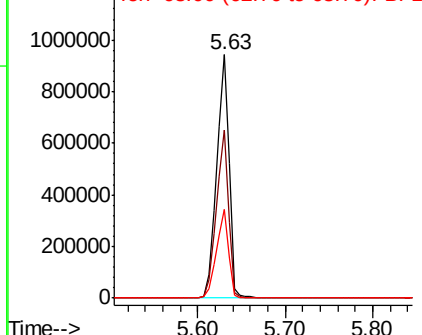
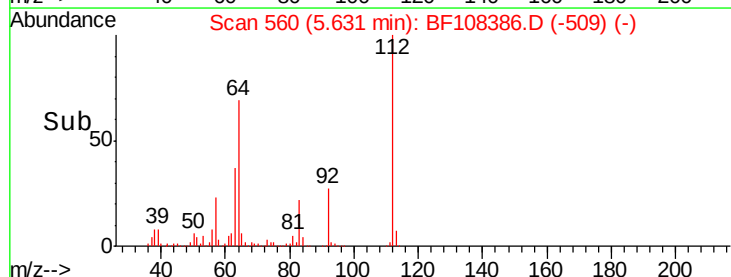


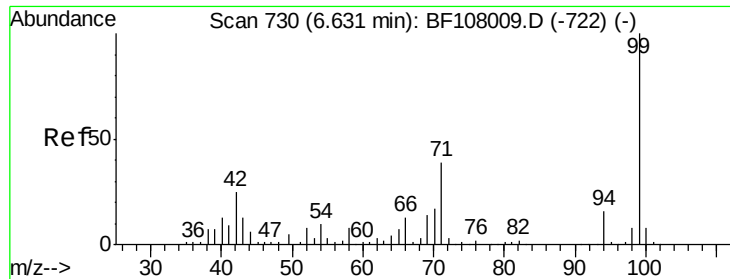
Abundance

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: 100.384 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

ClientSampleId :

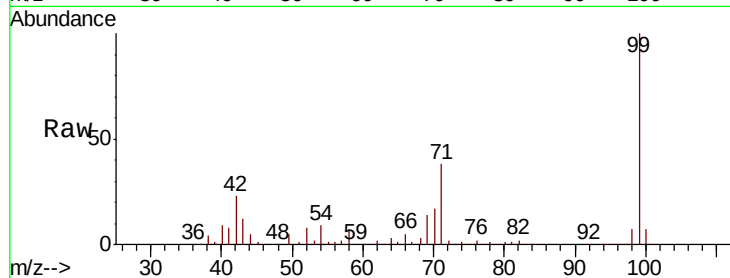
Tot Ion: 99 Resp: 1265392

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

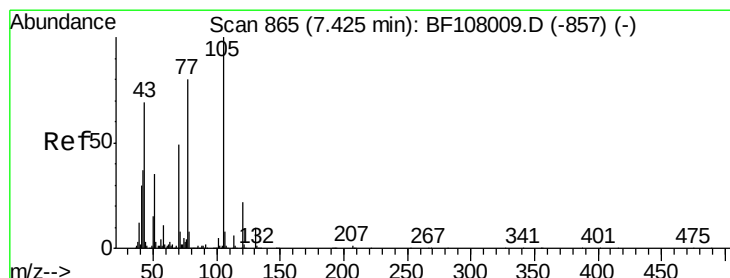
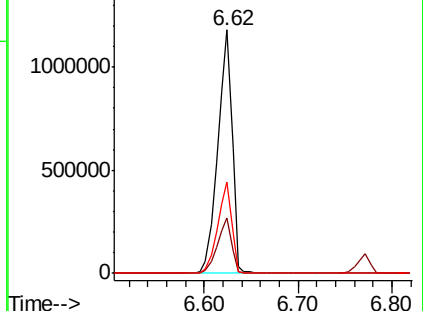
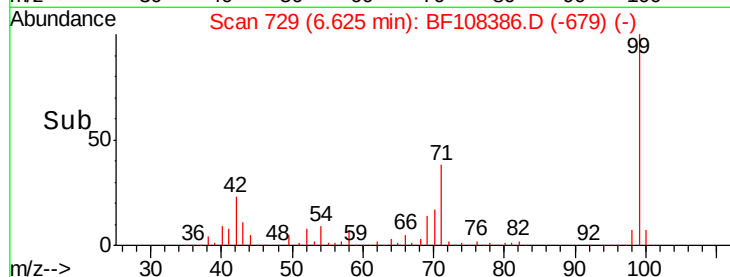
71 37.6 25.4 38.0



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: 13.542 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Tgt Ion: 70 Resp: 115435

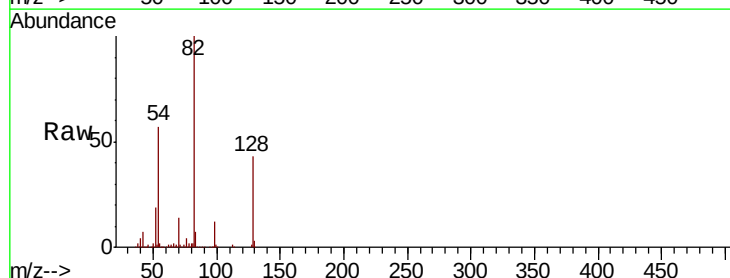
Ion Ratio Lower Upper

70 100

42 50.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

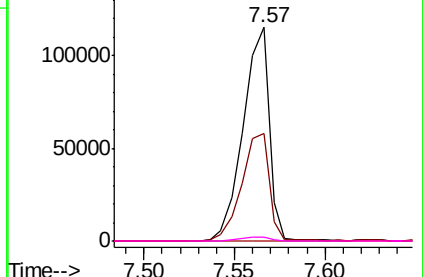
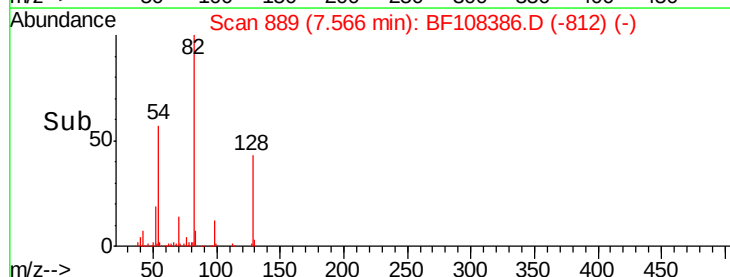


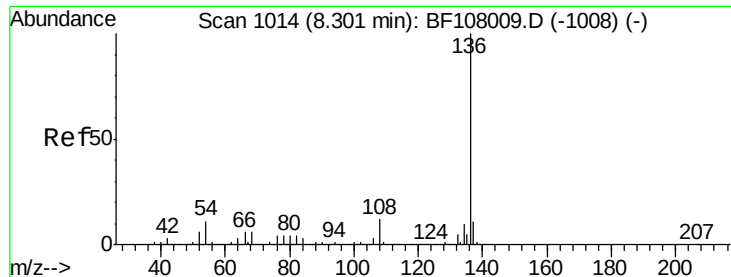
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

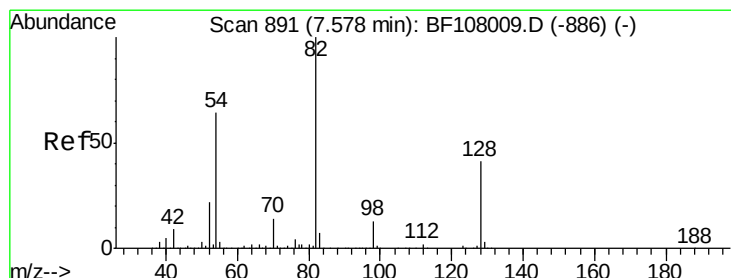
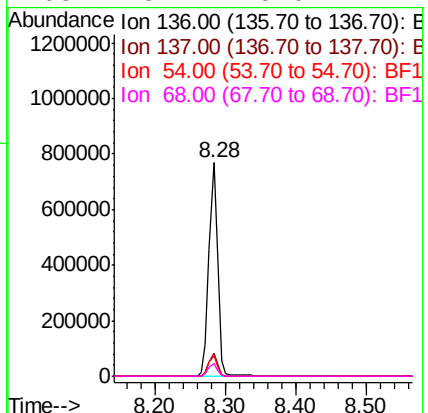
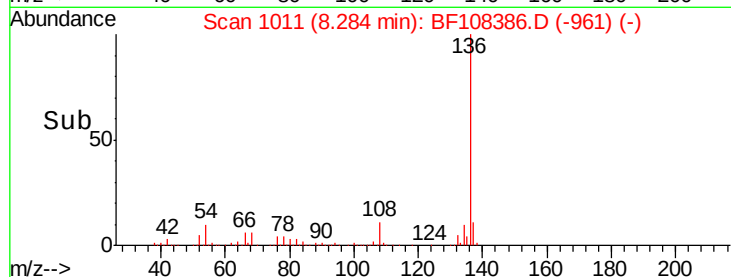
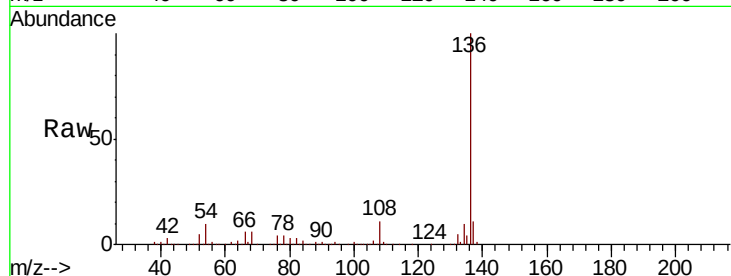




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

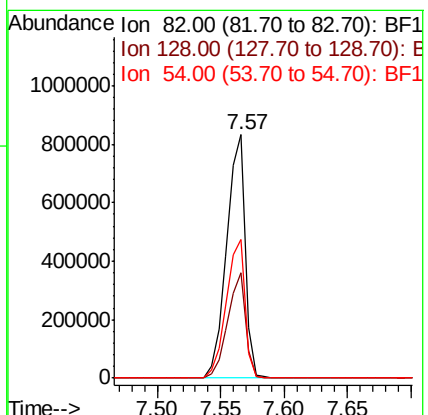
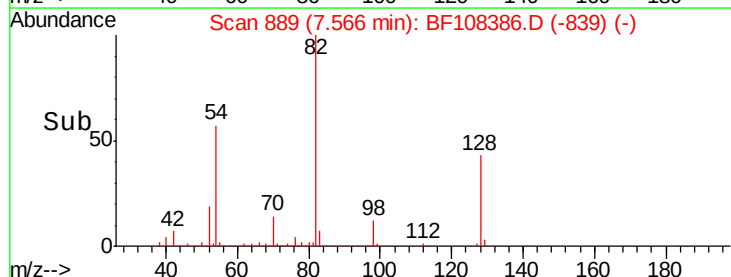
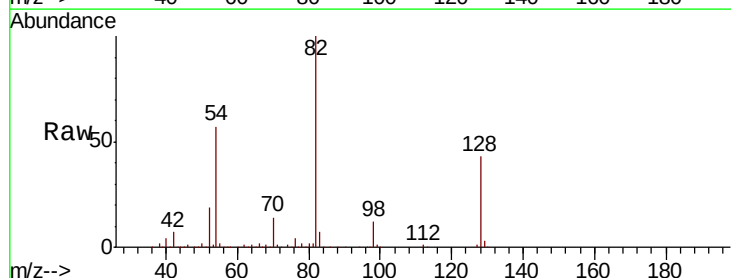
Instrument :
BNA_F
ClientSampled :

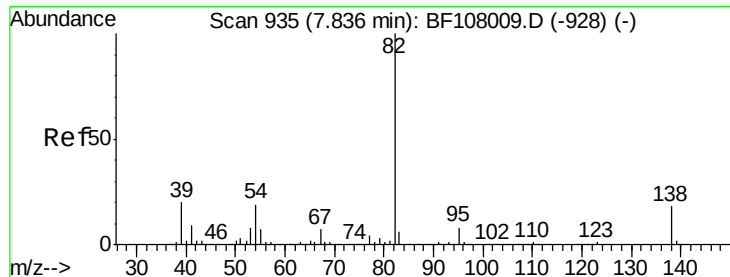
Tot Ion:136	Resp:	663209
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	9.7	6.6 9.8
68	5.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 71.212 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion: 82	Resp:	846366
Ion	Ratio	Lower Upper
82	100	
128	43.2	36.1 54.1
54	56.8	41.4 62.2





#25

Isophorone

Concen: 37.361 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

ClientSampleId :

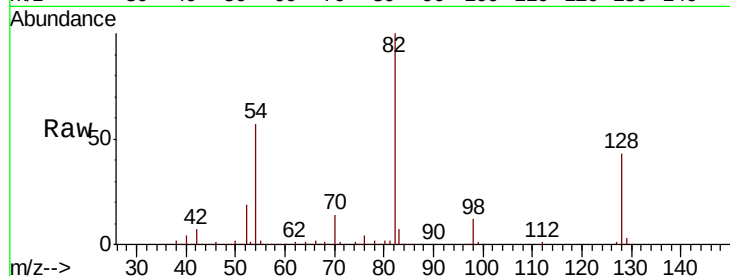
Tot Ion: 82 Resp: 846353

Ion Ratio Lower Upper

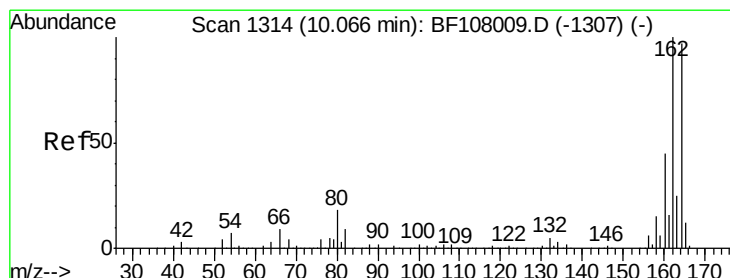
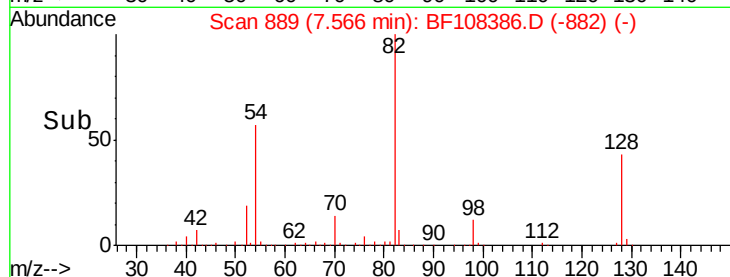
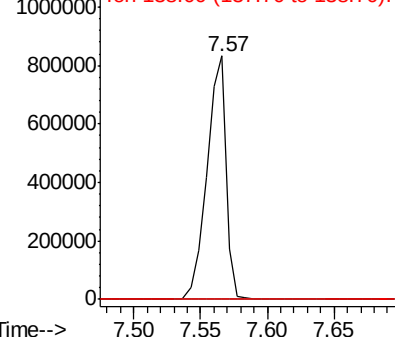
82 100

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: BF108386.D

Acq: 22 Aug 2018 16:39

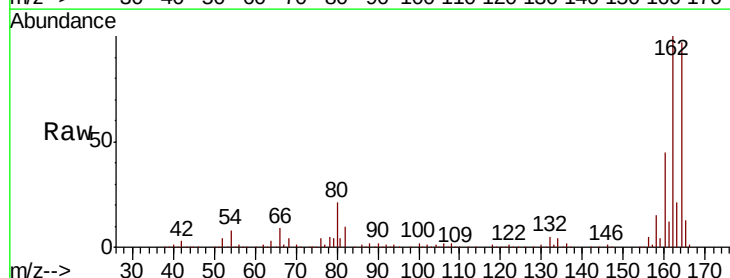
Tgt Ion: 164 Resp: 335595

Ion Ratio Lower Upper

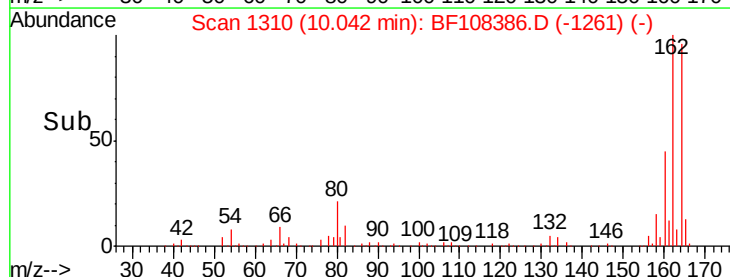
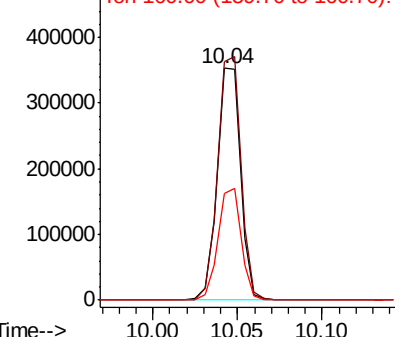
164 100

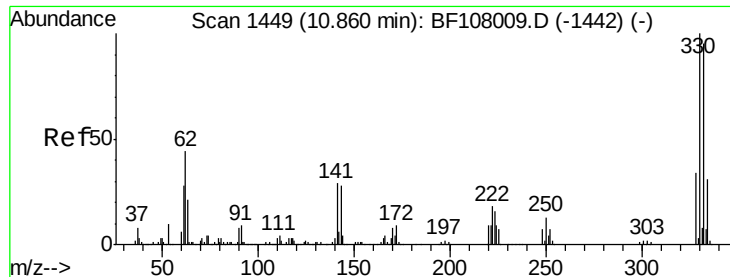
162 102.8 86.1 129.1

160 45.9 38.3 57.5



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

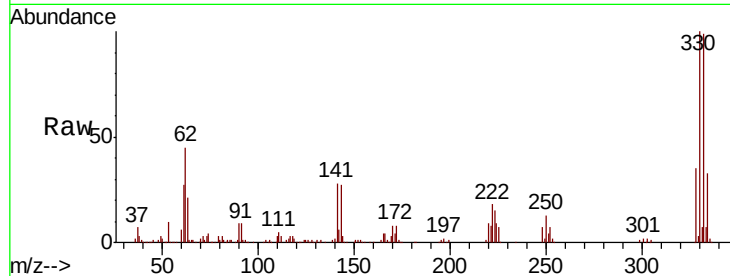




#41
 2,4,6-Tribromophenol
 Concen: 112.657 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	32.7	29.9	44.9

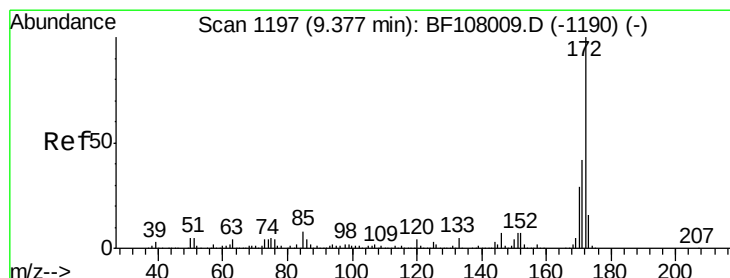
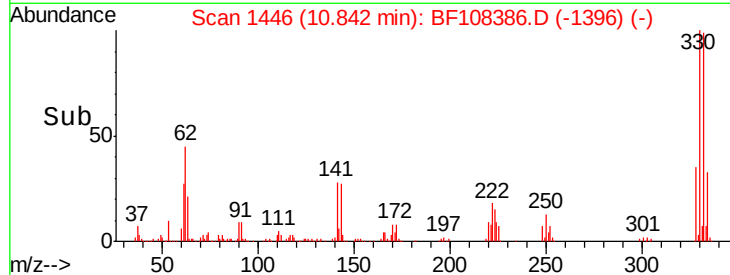
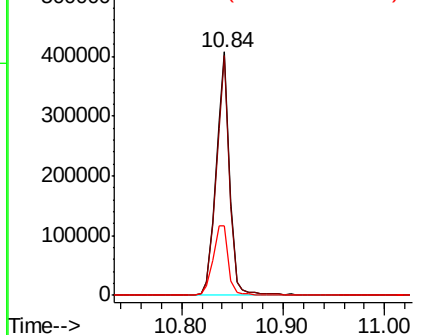


Abundance

Ion 329.80 (329.50 to 330.50): E

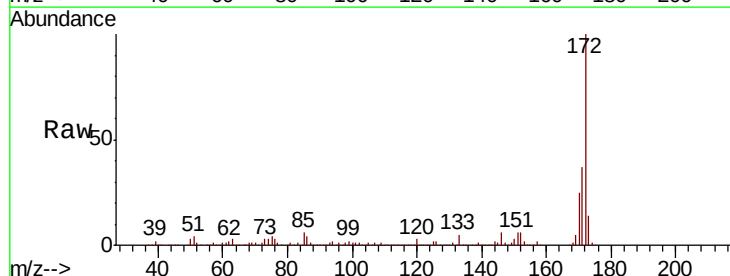
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 76.497 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.9	19.6	29.4

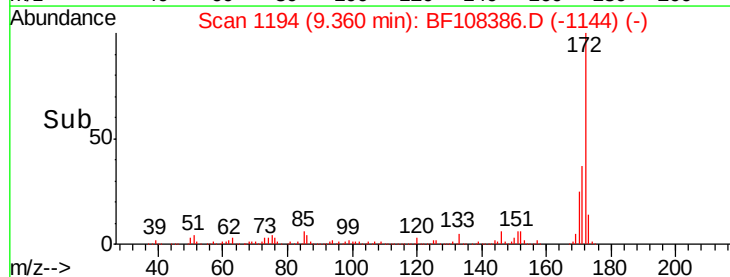
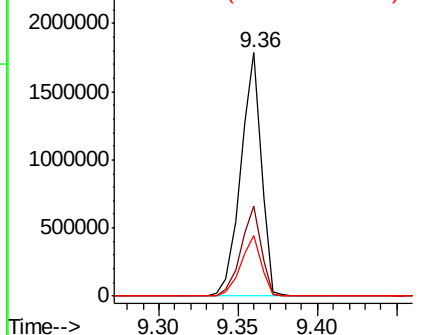


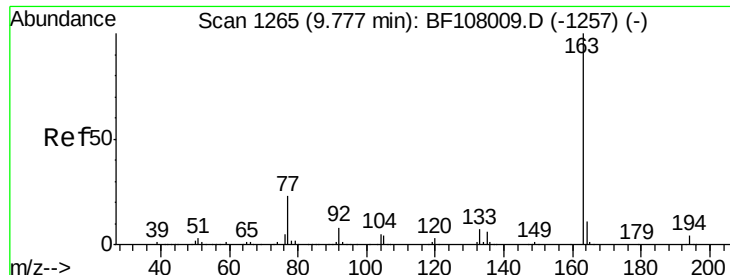
Abundance

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

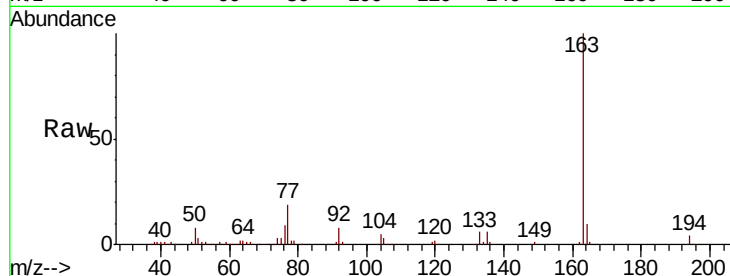




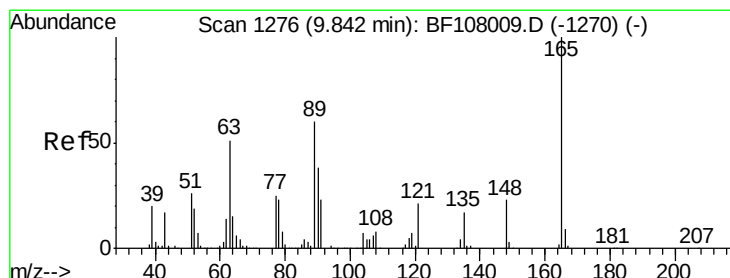
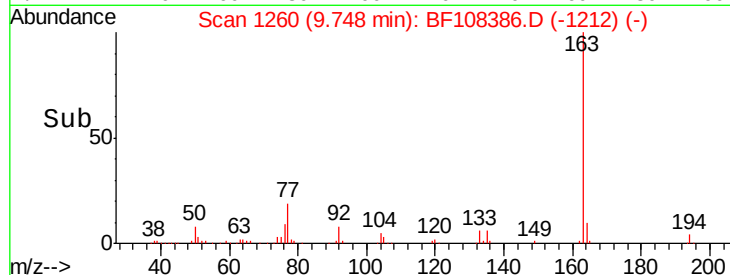
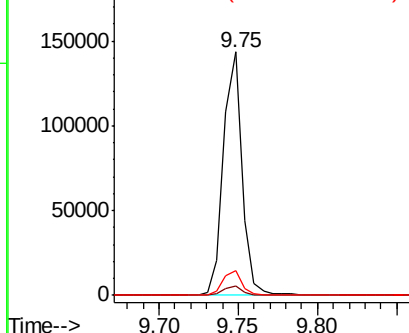
#49
Dimethylphthalate
Concen: 5.004 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.3	8.2	12.2

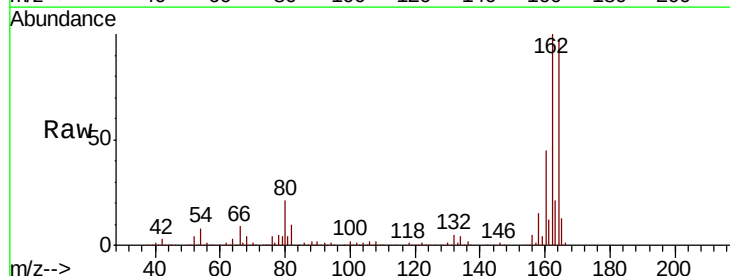


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

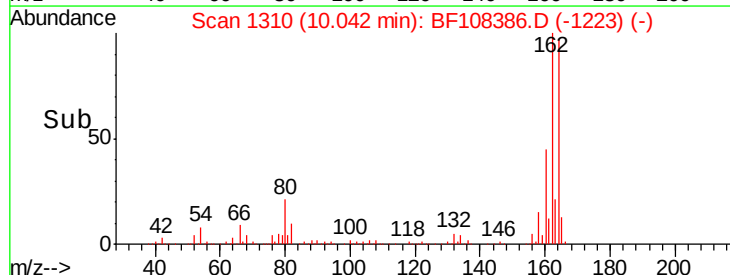
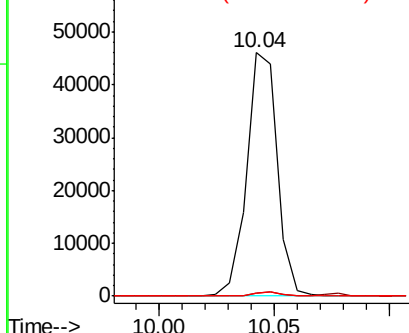


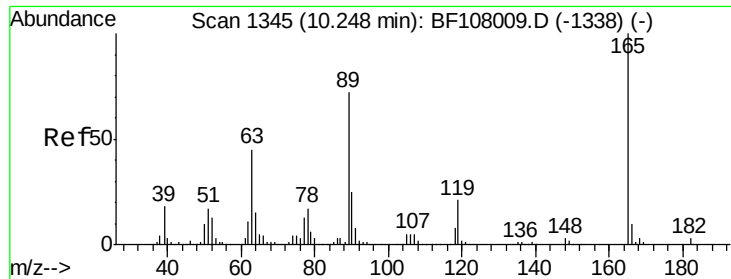
#50
2,6-Dinitrotoluene
Concen: 8.740 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.2	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

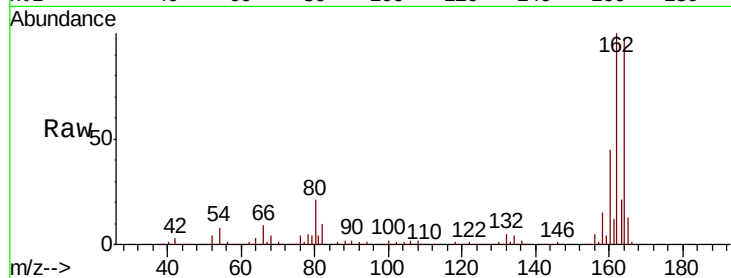




#56
 2,4-Dinitrotoluene
 Concen: 6.790 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Instrument :
 BNA_F
 ClientSampleId :

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

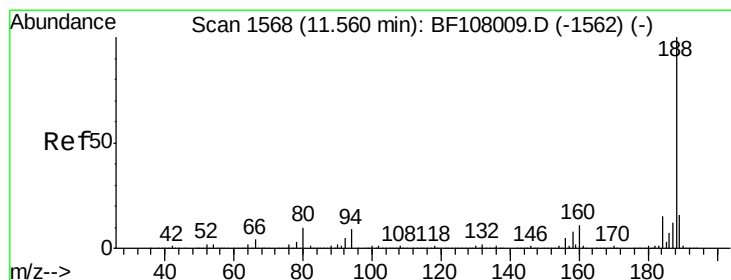
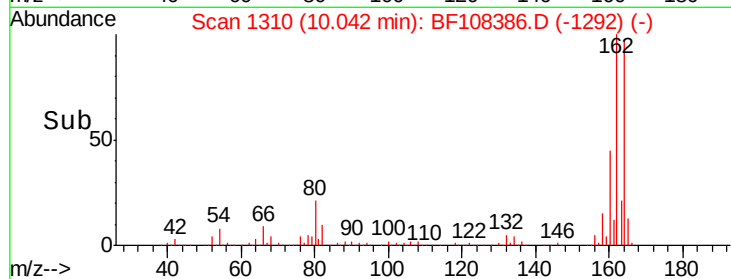
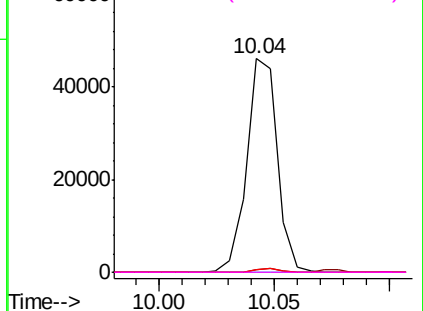


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

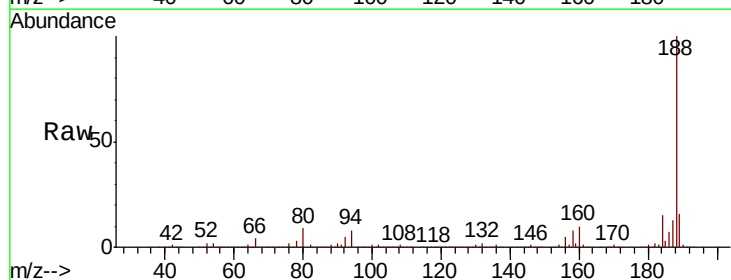
Ion 89.00 (88.70 to 89.70): BF1

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: BF108386.D
 Acq: 22 Aug 2018 16:39

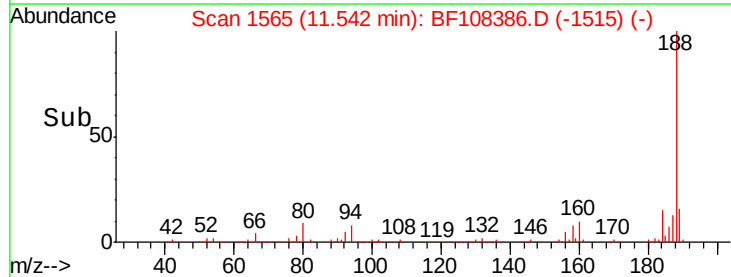
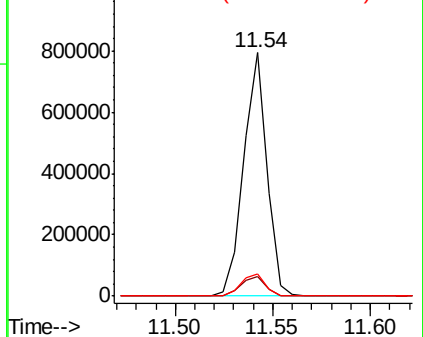
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.2	9.2	13.8

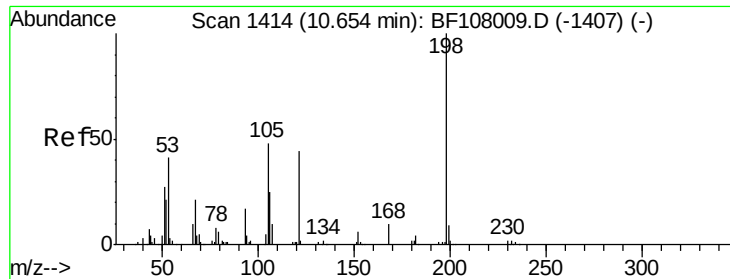


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

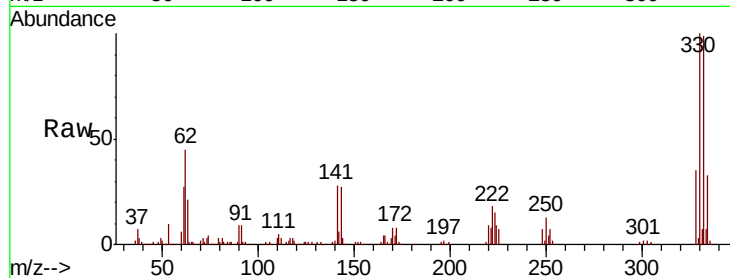




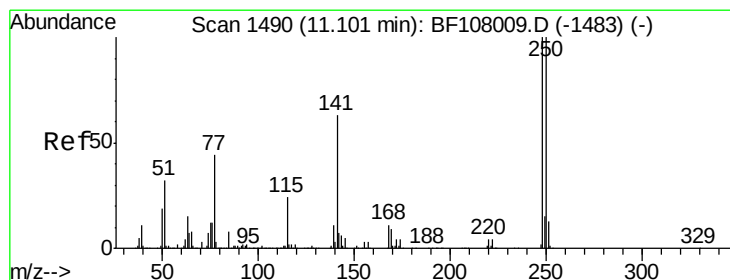
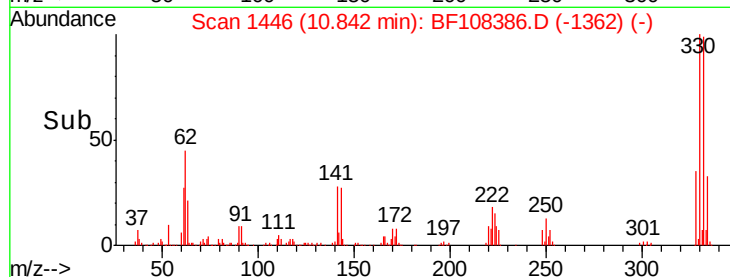
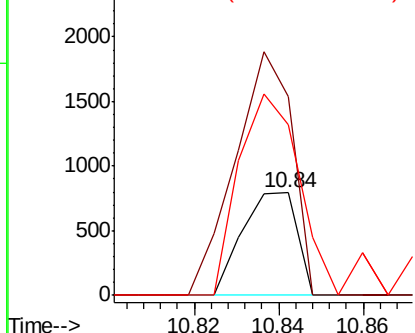
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.616 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.19 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 714
 Ion Ratio Lower Upper
 198 100
 51 194.6 37.7 77.7#
 105 166.9 36.3 76.3#

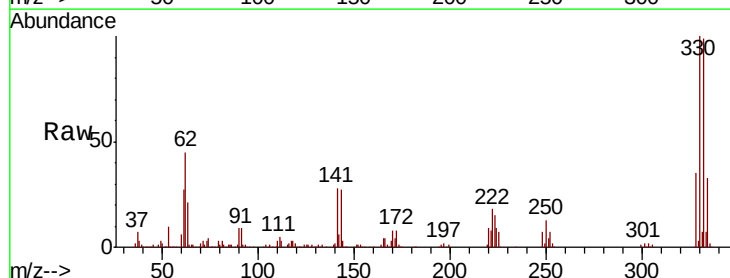


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

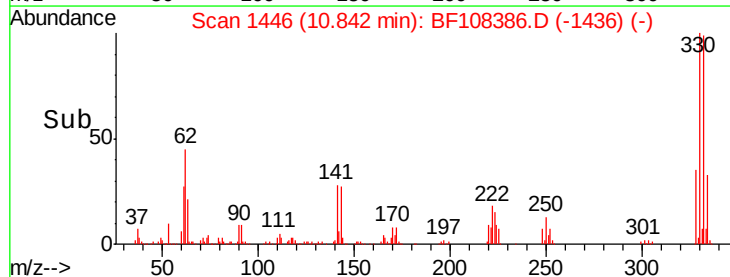
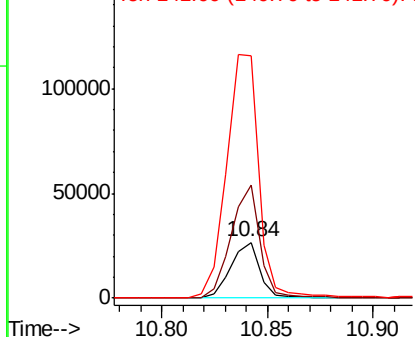


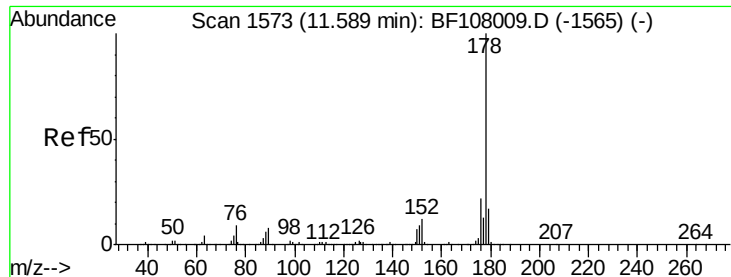
#66
 4-Bromophenyl-phenylether
 Concen: 3.503 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.24 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Tgt Ion:248 Resp: 24985
 Ion Ratio Lower Upper
 248 100
 250 202.7 76.9 115.3#
 141 432.7 74.4 111.6#



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





#70

Phenanthrene

Concen: 3.374 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

ClientSampleId :

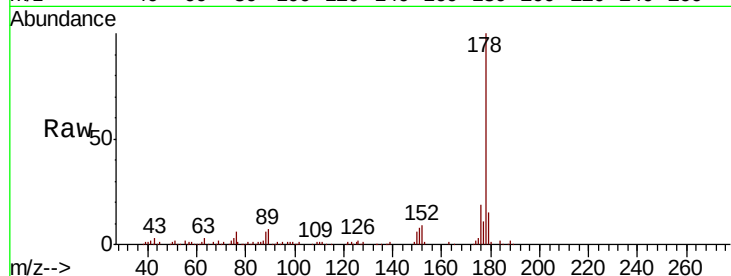
Tot Ion:178 Resp: 104440

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

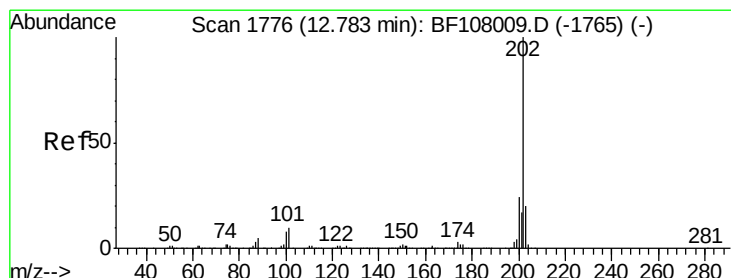
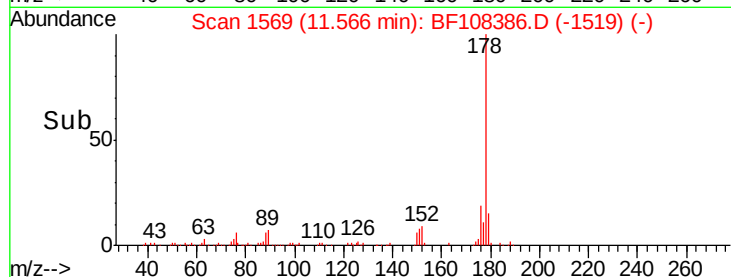
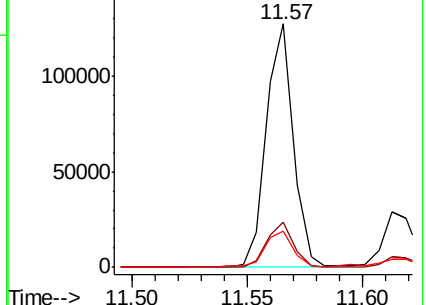
179 15.1 13.0 19.6



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: 6.308 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

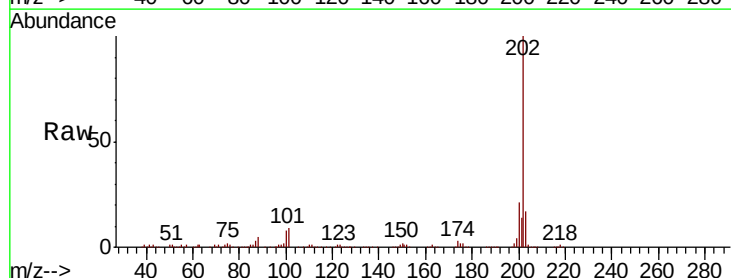
Tgt Ion:202 Resp: 213116

Ion Ratio Lower Upper

202 100

101 9.2 0.0 34.1

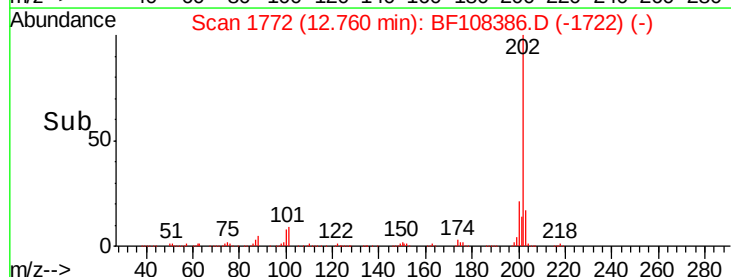
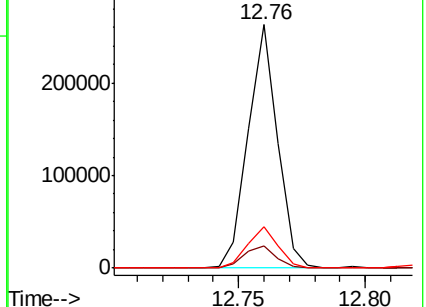
203 17.0 0.0 38.1

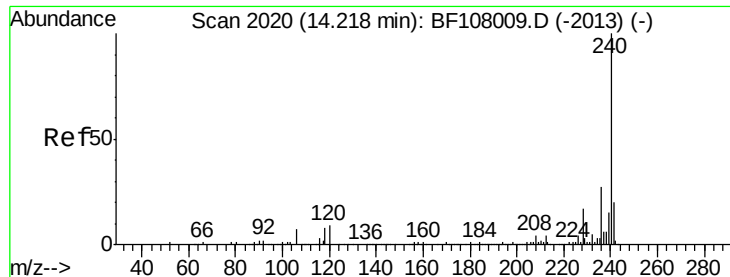


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2016

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

ClientSampled :

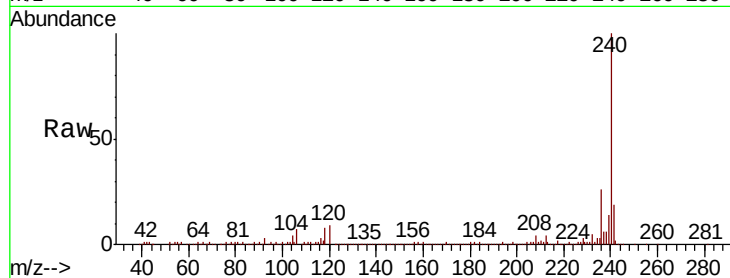
Tot Ion:240 Resp: 388219

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

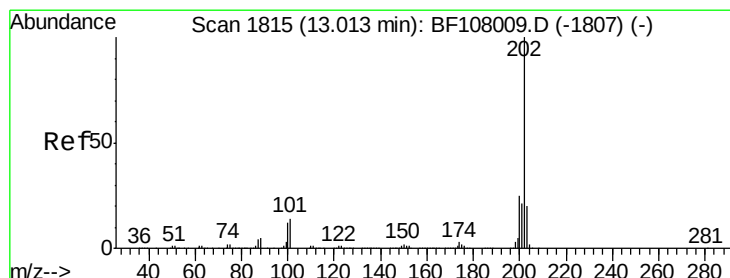
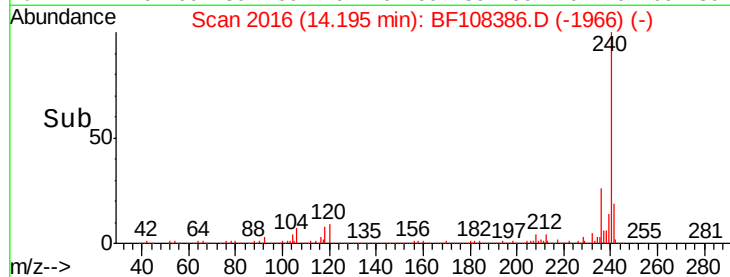
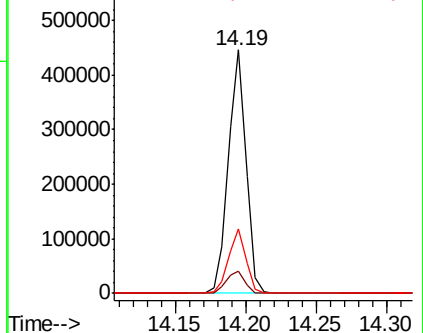
236 26.4 20.7 31.1



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

Pyrene

Concen: 7.774 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

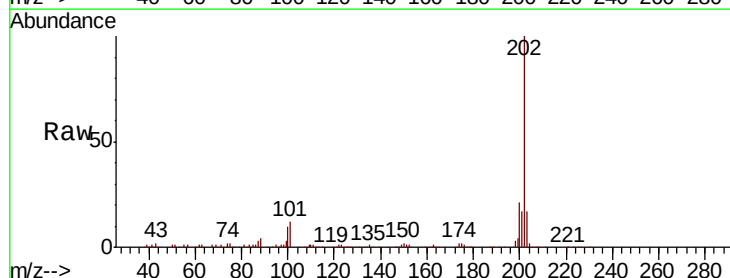
Tgt Ion:202 Resp: 191068

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

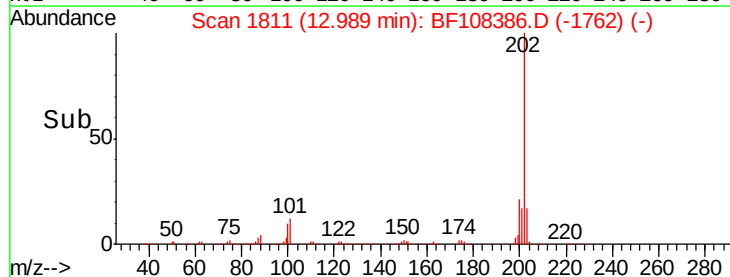
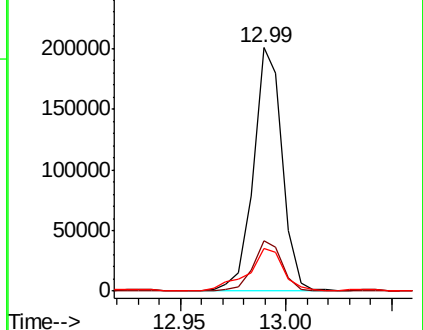
203 17.4 14.3 21.5

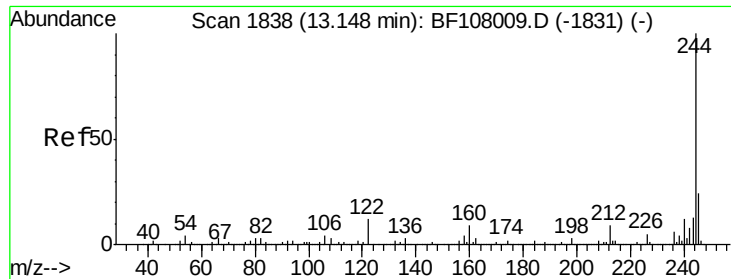


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 100.187 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

ClientSampleId :

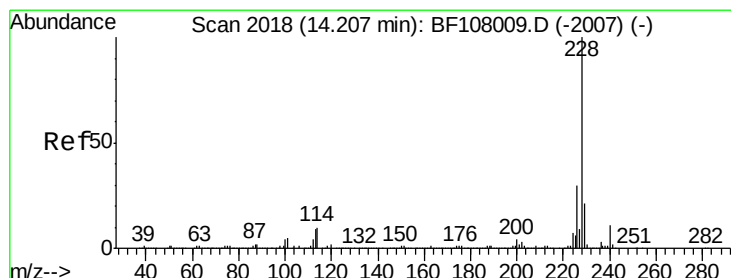
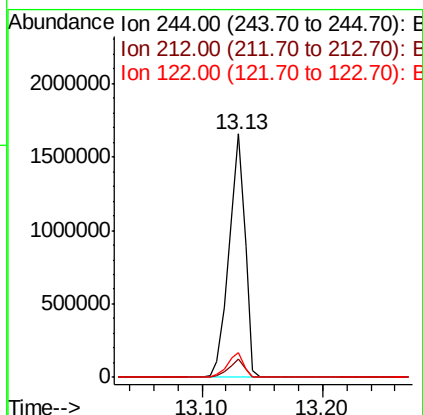
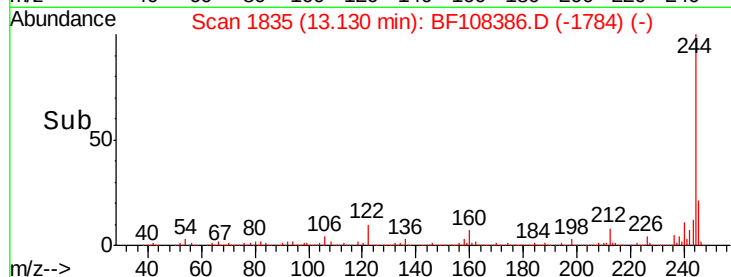
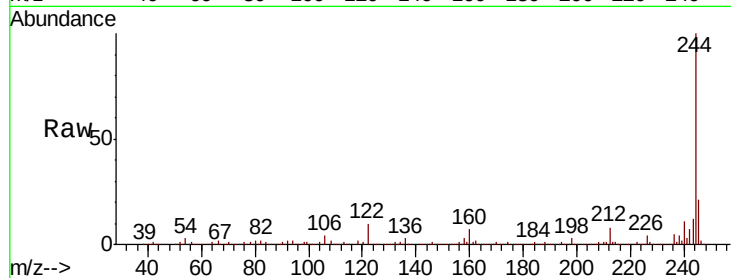
Tot Ion:244 Resp: 1529739

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

122 10.3 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 3.732 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

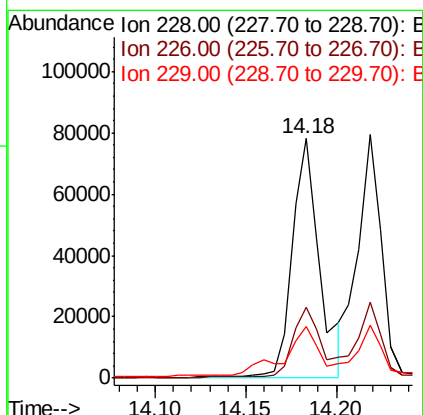
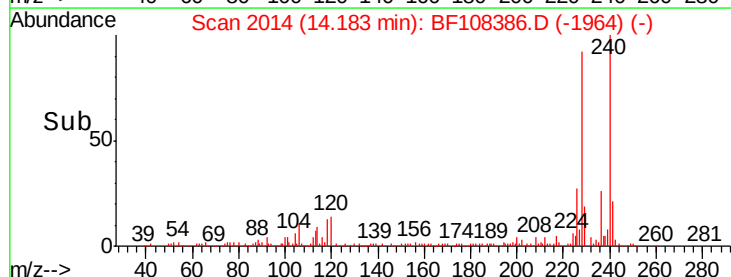
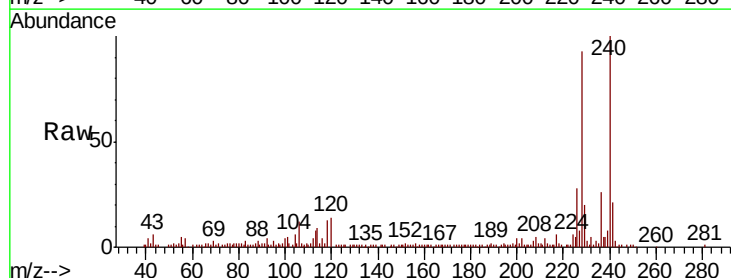
Tgt Ion:228 Resp: 83144

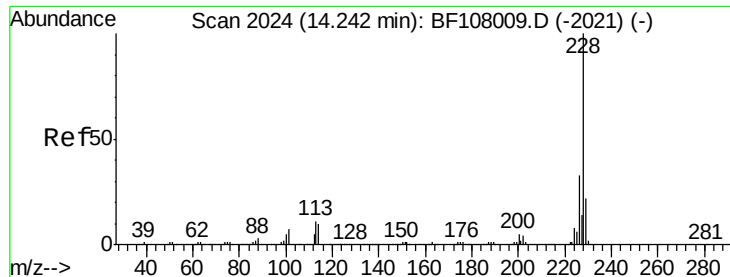
Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

229 21.4 15.8 23.6

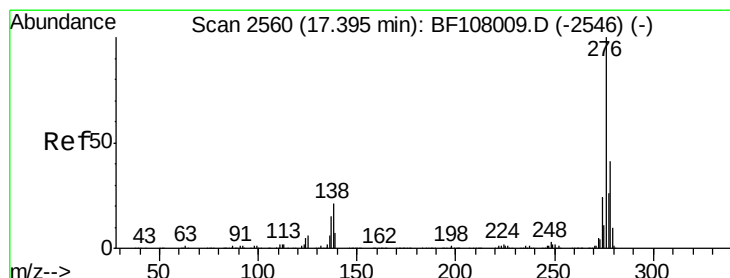
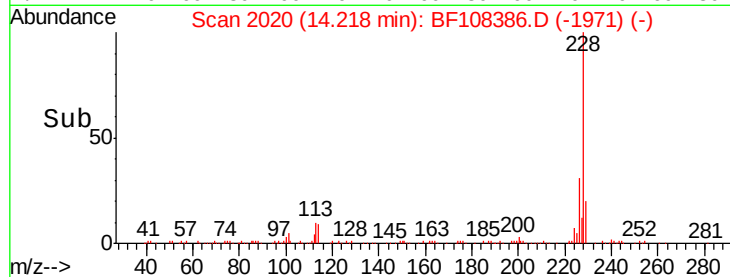
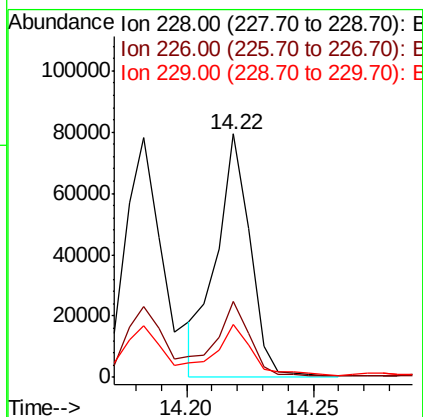
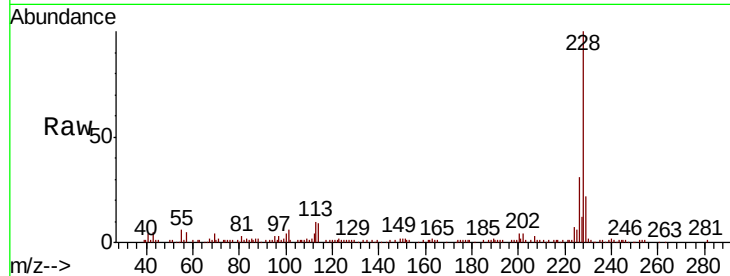




#82
Chrysene
Concen: 3.569 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

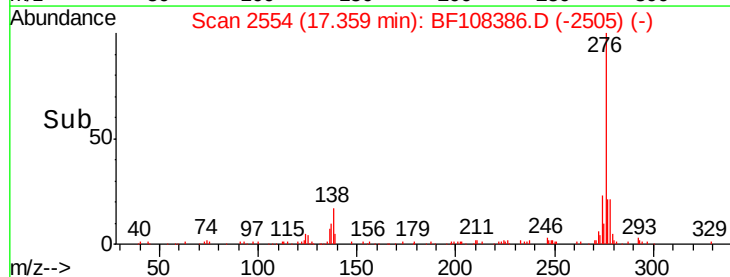
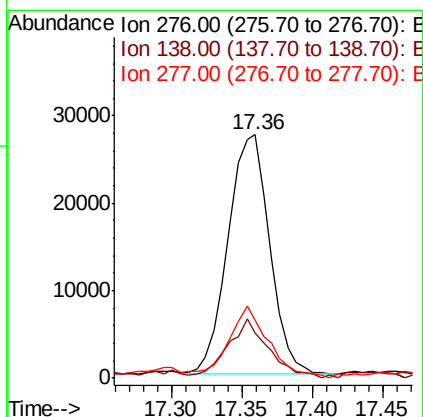
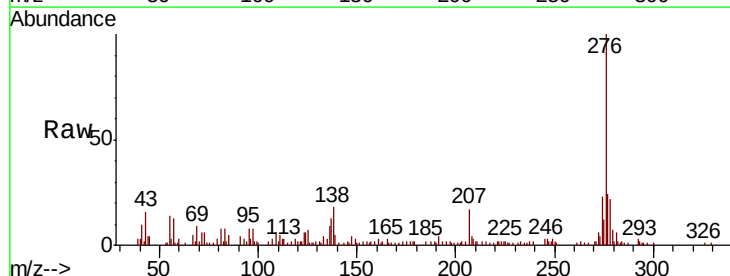
Instrument :
BNA_F
ClientSampleId :

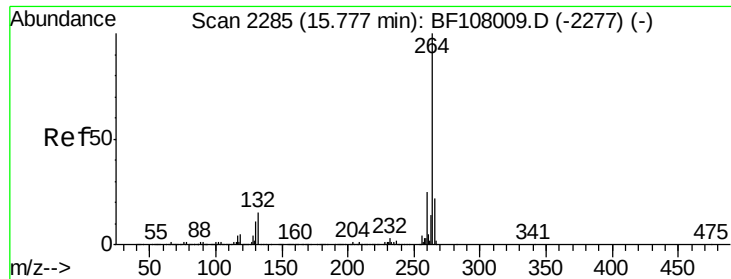
Tot Ion:228 Resp: 72901
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 21.5 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.183 ng
RT: 17.36 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion:276 Resp: 56342
Ion Ratio Lower Upper
276 100
138 24.1 25.0 37.6#
277 28.6 20.1 30.1

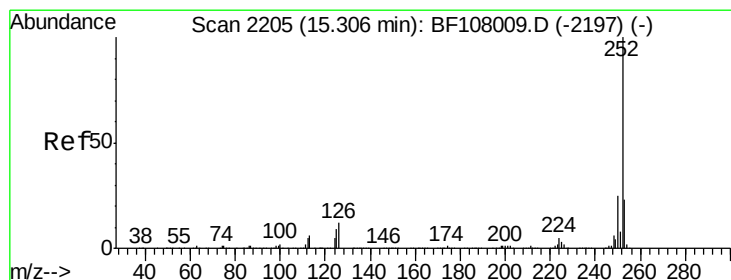
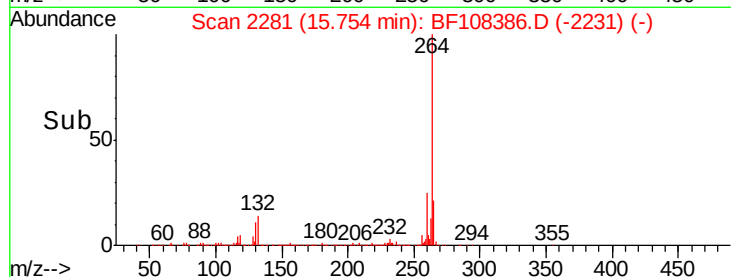
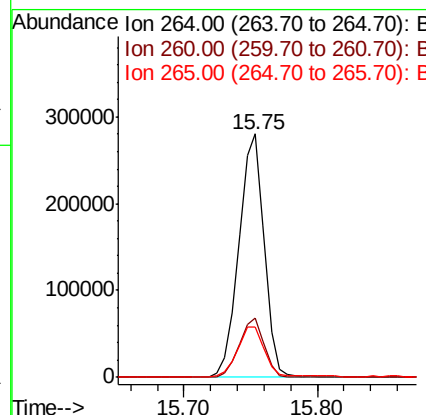
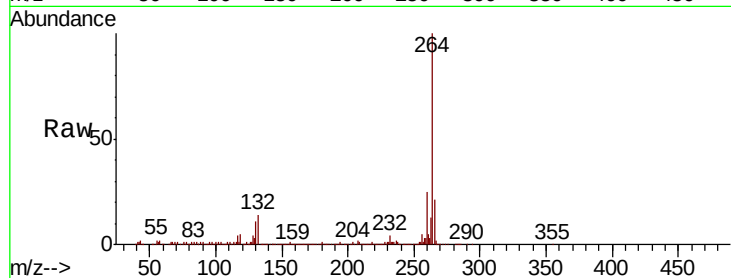




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

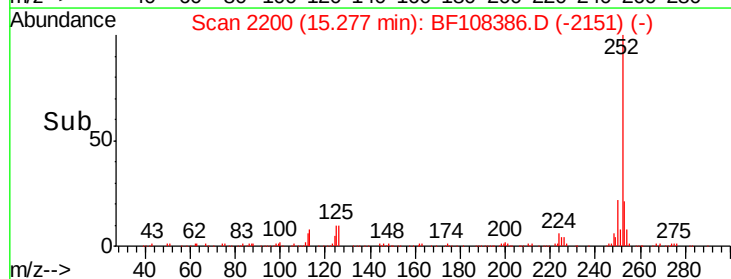
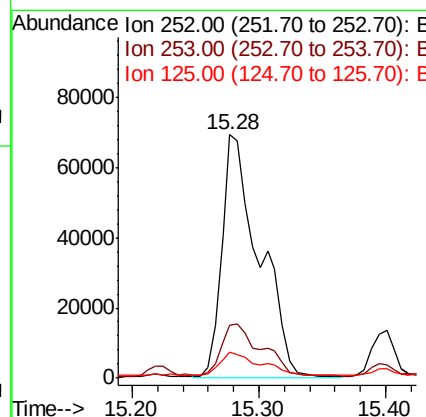
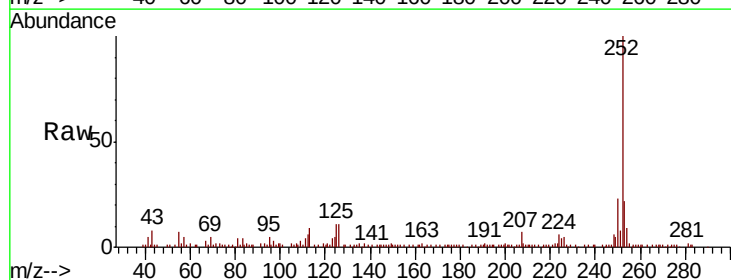
Instrument :
BNA_F
ClientSampleId :

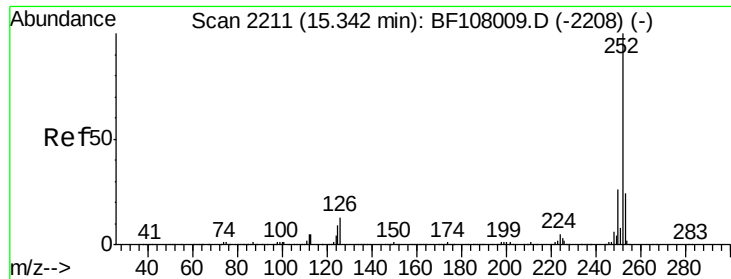
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	20.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 6.463 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	10.9	9.0	13.6

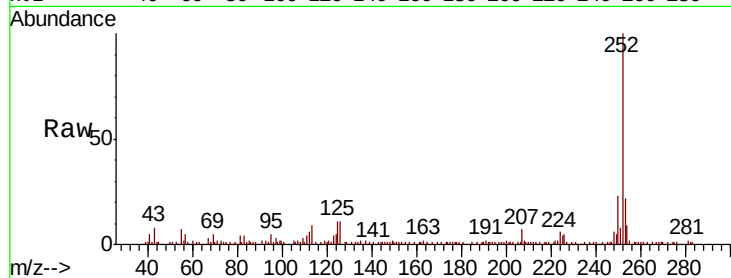




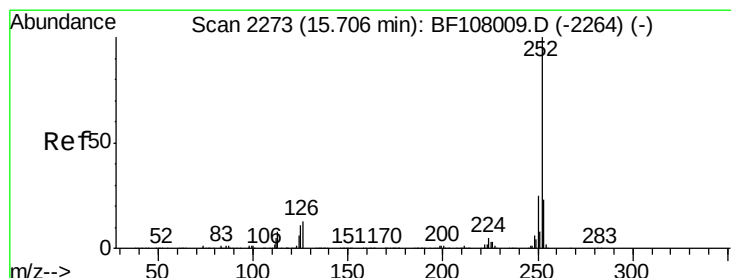
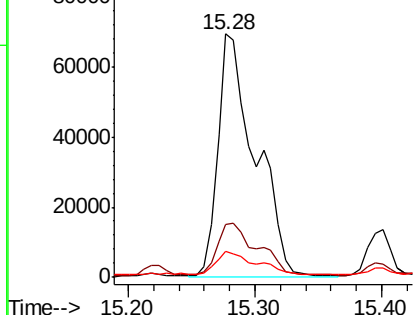
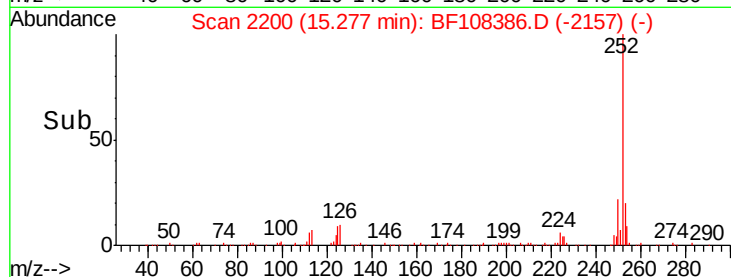
#88
Benzo(k)fluoranthene
Concen: 7.030 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.05 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	10.9	10.2	15.2

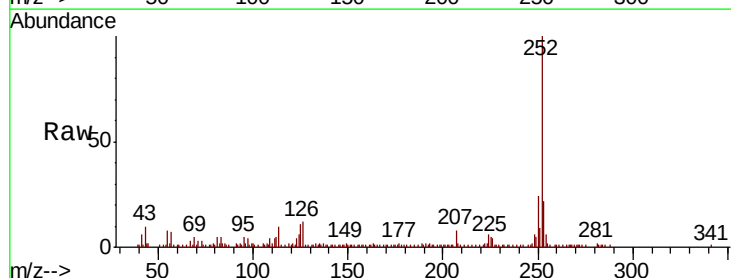


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

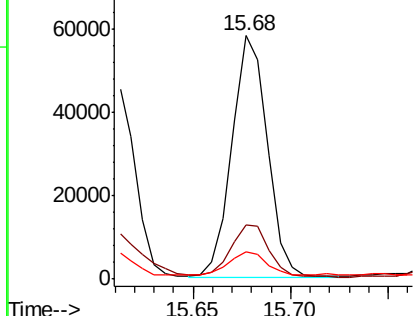
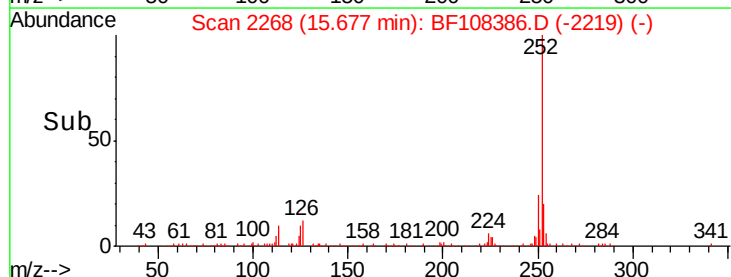


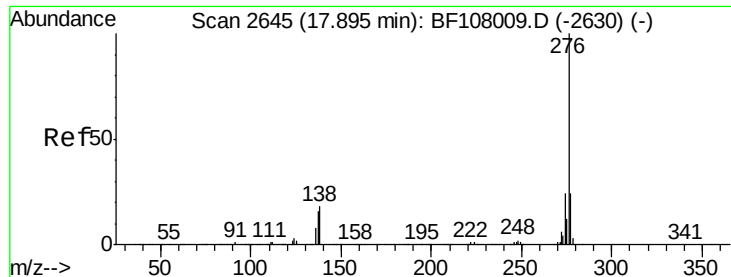
#89
Benzo(a)pyrene
Concen: 3.708 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	11.3	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: 3.622 ng

RT: 17.85 min Scan# 2637

Delta R.T. -0.02 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

ClientSampleId :

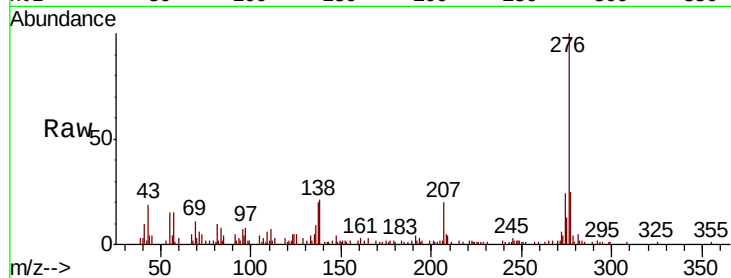
Tot Ion: 276 Resp: 58410

Ion Ratio Lower Upper

276 100

277 25.1 17.9 26.9

138 20.8 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

