

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108200.D
 Acq On : 16 Aug 2018 17:37
 Operator : JU/SJ
 Sample : J4486-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 18:19:30 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 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	171141	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	630499	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	285001	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	456571	20.00	ng	0.00
75) Chrysene-d12	14.21	240	416322	20.00	ng	0.00
86) Perylene-d12	15.78	264	378868	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	976810	103.33	ng	0.01
7) Phenol-d6	6.64	99	1290526	102.74	ng	0.00
23) Nitrobenzene-d5	7.58	82	840412	74.38	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	273720	96.28	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1138550	64.14	ng	0.00
78) Terphenyl-d14	13.14	244	879875	53.74	ng	0.00

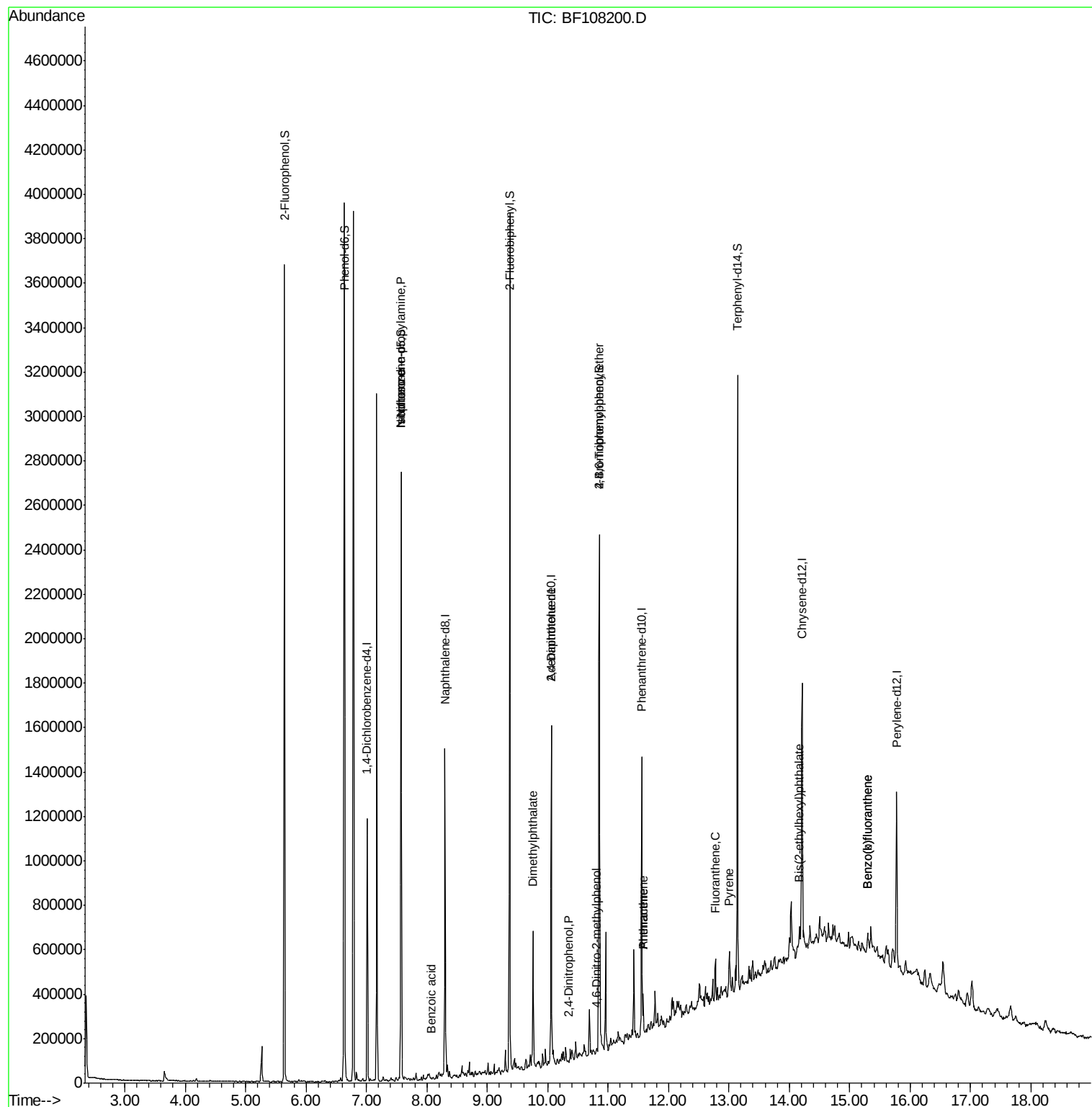
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	113559	13.368	ng	# 83
25) Isophorone	7.58	82	838011	38.912	ng	# 64
32) Benzoic acid	8.07	122	1258	6.173	ng	# 17
49) Dimethylphthalate	9.76	163	154900	7.802	ng	# 98
53) 2,4-Dinitrophenol	10.35	184	375	7.241	ng	# 1
56) 2,4-Dinitrotoluene	10.06	165	38952	7.286	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.79	198	160	5.442	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	17944	3.616	ng	# 1
70) Phenanthrene	11.58	178	63948	2.970	ng	98
71) Anthracene	11.58	178	63948	2.897	ng	97
74) Fluoranthene	12.78	202	73373	3.122	ng	95
77) Pyrene	13.01	202	73192	2.777	ng	98
83) Bis(2-ethylhexyl)phthalate	14.17	149	30397	2.145	ng	# 95
87) Benzo(b)fluoranthene	15.30	252	53927	2.382	ng	# 73
88) Benzo(k)fluoranthene	15.30	252	53927	2.591	ng	# 76

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108200.D
Acq On : 16 Aug 2018 17:37
Operator : JU/SJ
Sample : J4486-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Aug 16 18:19:30 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 08 12:24:24 2018
Response via : Initial Calibration



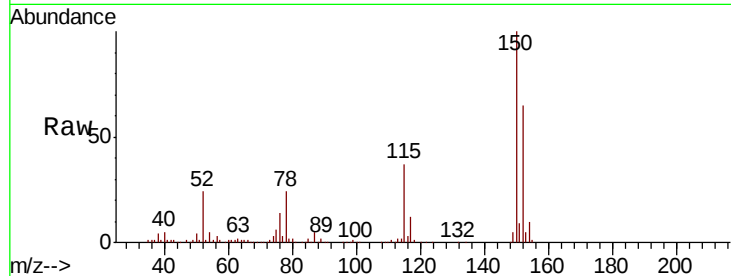


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	56.3	50.1	75.1

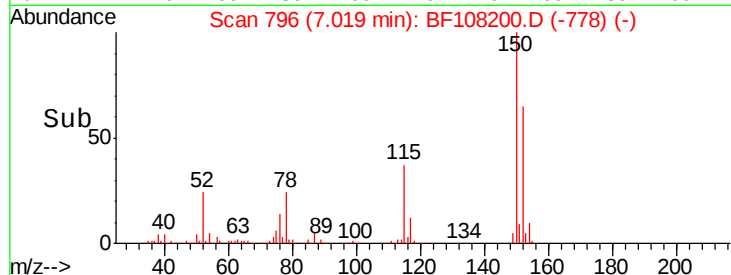
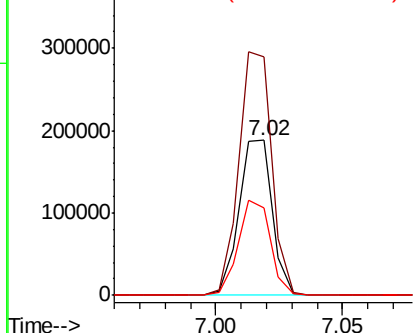


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

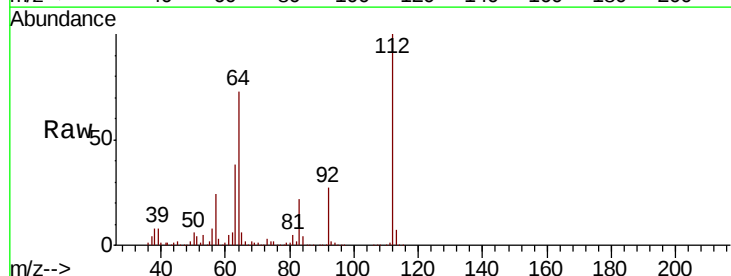
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.334 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.7	47.9	71.9#
63	38.3	23.7	35.5#

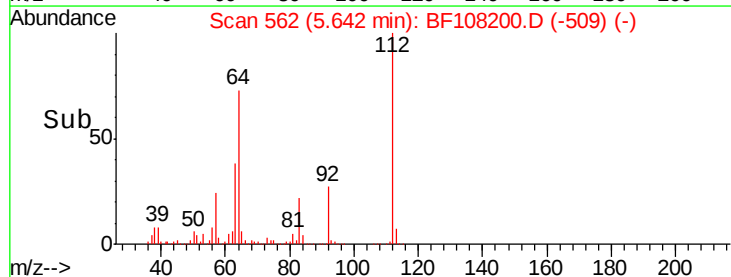
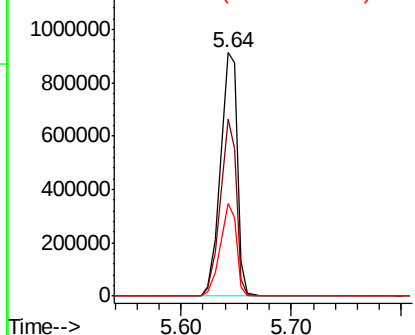


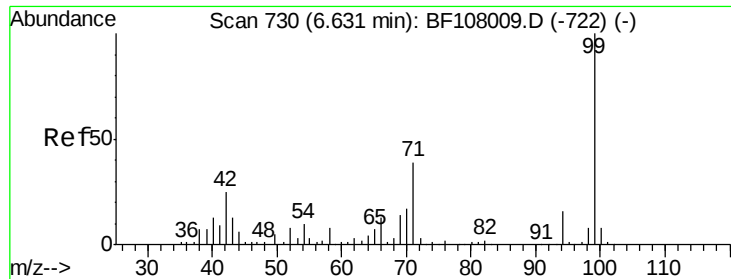
Abundance

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: 102.735 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108200.D

Acq: 16 Aug 2018 17:37

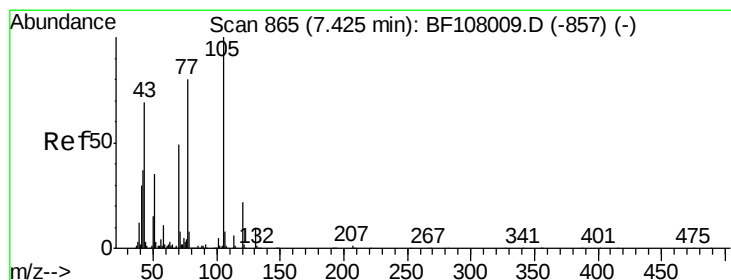
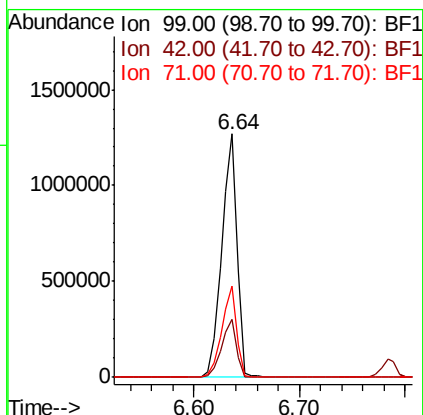
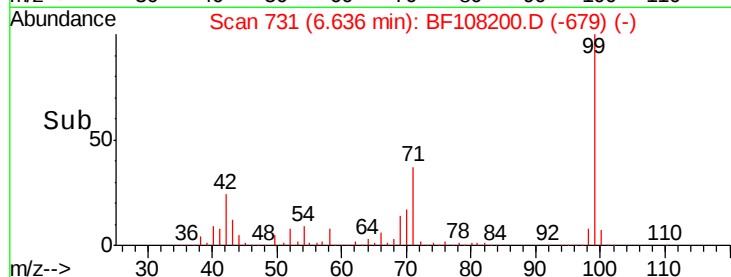
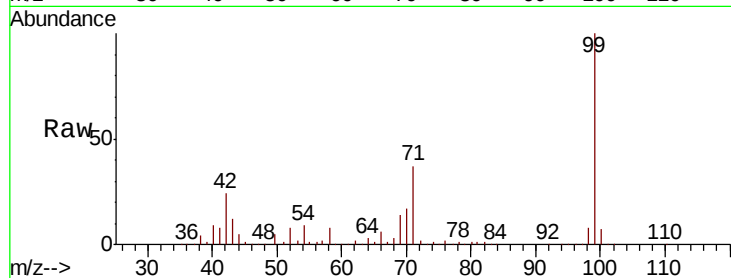
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1290526

Ion	Ratio	Lower	Upper
99	100		
42	23.6	14.5	21.7#
71	37.3	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.368 ng

RT: 7.58 min Scan# 891

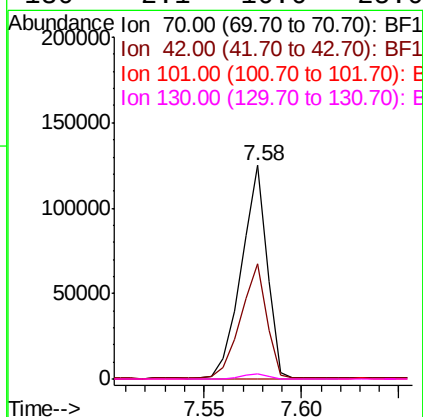
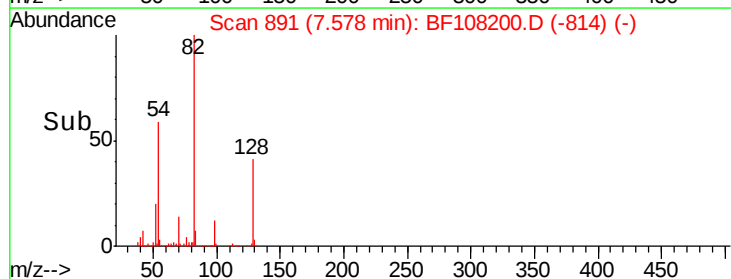
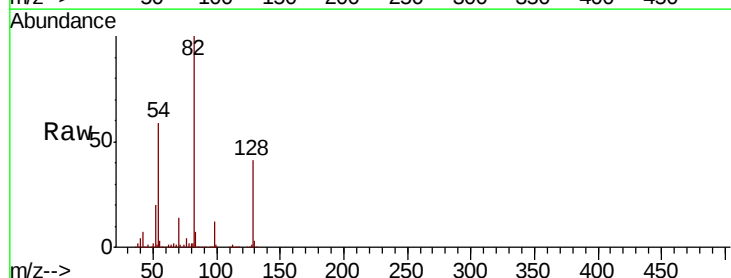
Delta R.T. 0.15 min

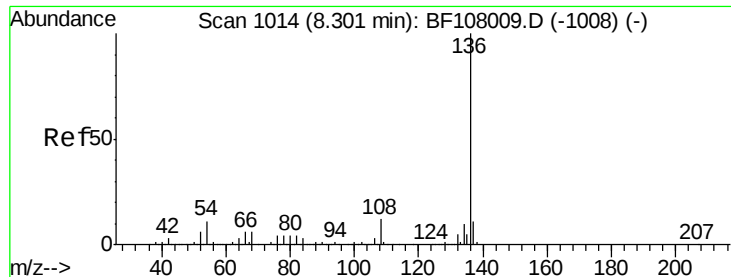
Lab File: BF108200.D

Acq: 16 Aug 2018 17:37

Tgt Ion: 70 Resp: 113559

Ion	Ratio	Lower	Upper
70	100		
42	54.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108200.D

Acq: 16 Aug 2018 17:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 630499

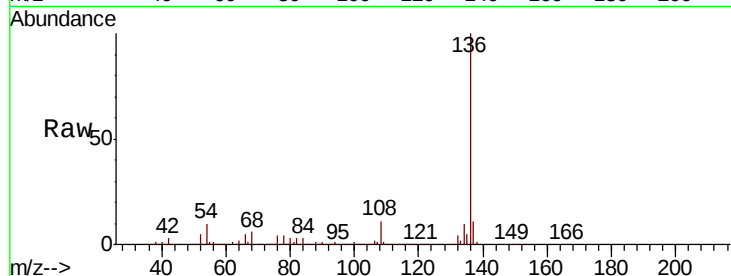
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.7 6.6 9.8

68 5.9 5.0 7.4

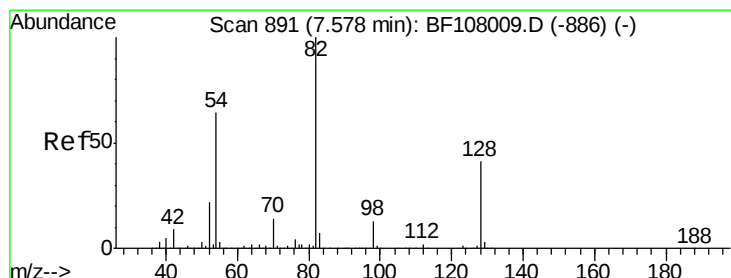
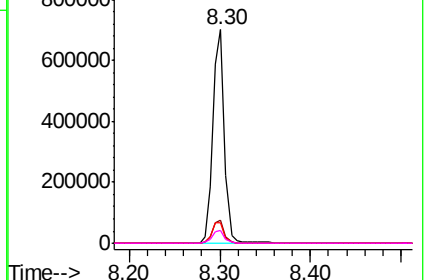
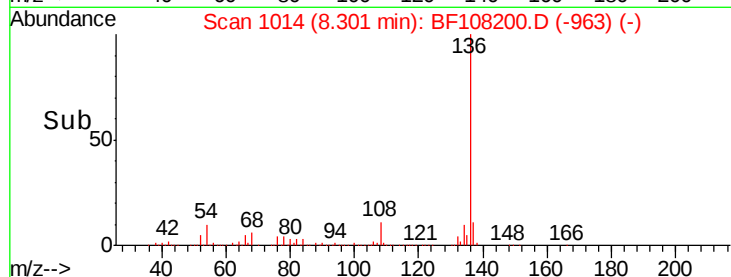


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.380 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF108200.D

Acq: 16 Aug 2018 17:37

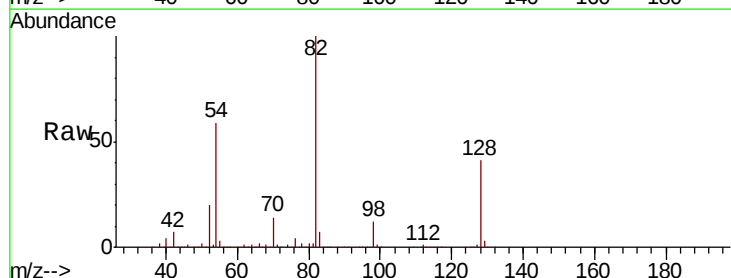
Tgt Ion: 82 Resp: 840412

Ion Ratio Lower Upper

82 100

128 41.5 36.1 54.1

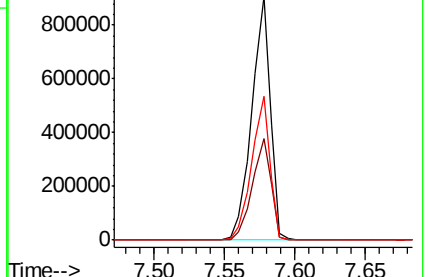
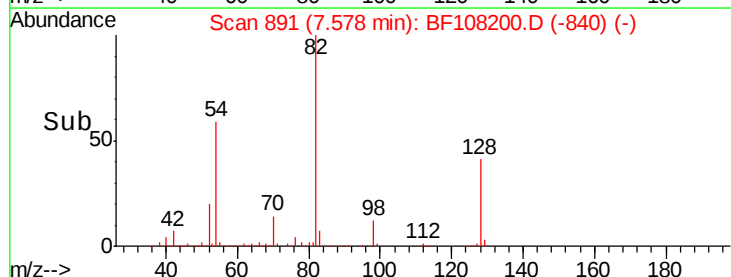
54 59.0 41.4 62.2



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: 38.912 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108200.D

Acq: 16 Aug 2018 17:37

Instrument :

BNA_F

ClientSampleId :

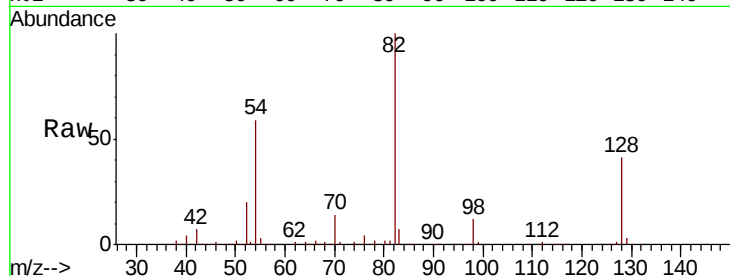
Tot Ion: 82 Resp: 838011

Ion Ratio Lower Upper

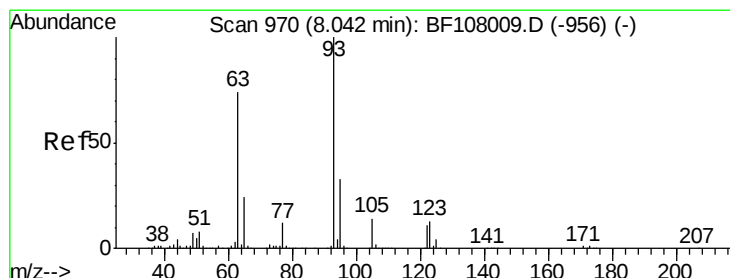
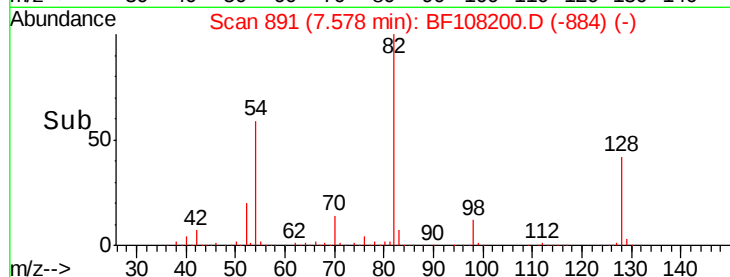
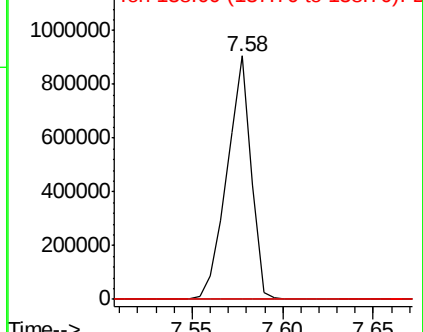
82 100

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



#32

Benzoic acid

Concen: 6.173 ng

RT: 8.07 min Scan# 974

Delta R.T. 0.02 min

Lab File: BF108200.D

Acq: 16 Aug 2018 17:37

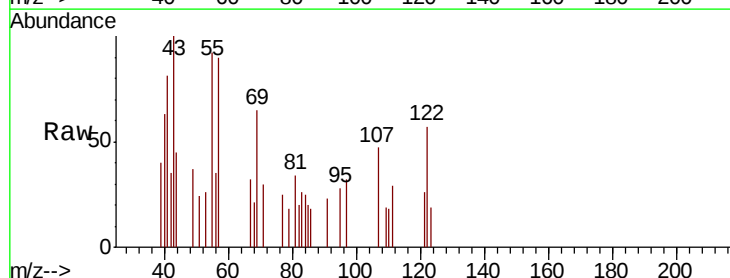
Tgt Ion:122 Resp: 1258

Ion Ratio Lower Upper

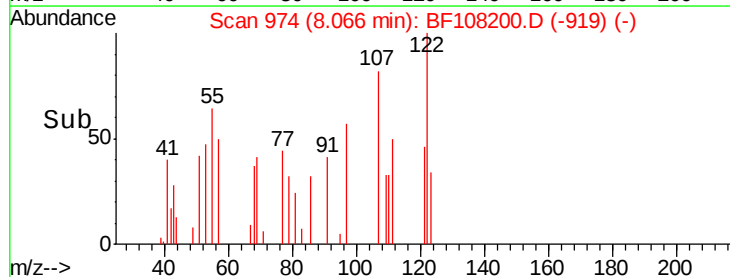
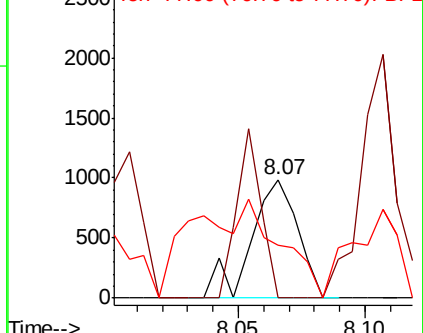
122 100

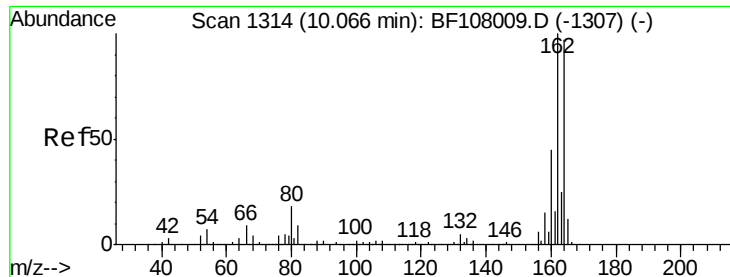
105 0.0 101.1 141.1#

77 44.2 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

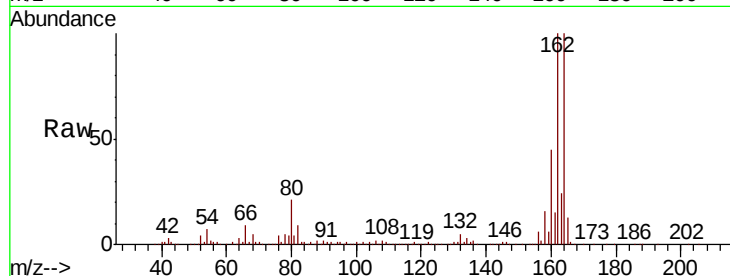




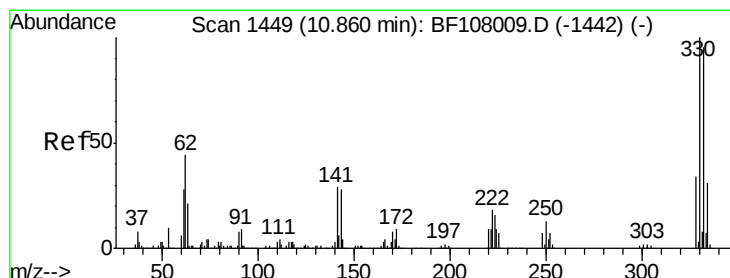
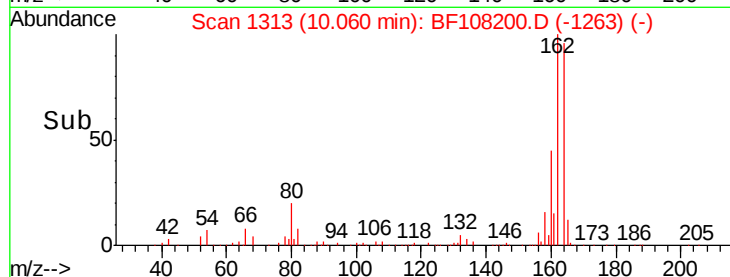
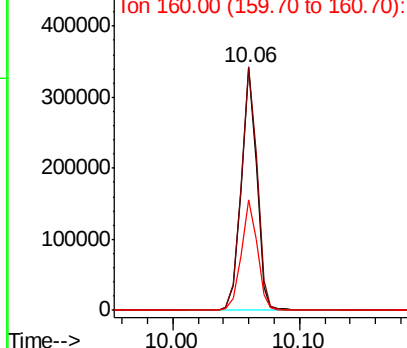
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 285001
Ion Ratio Lower Upper
164 100
162 100.4 86.1 129.1
160 45.6 38.3 57.5

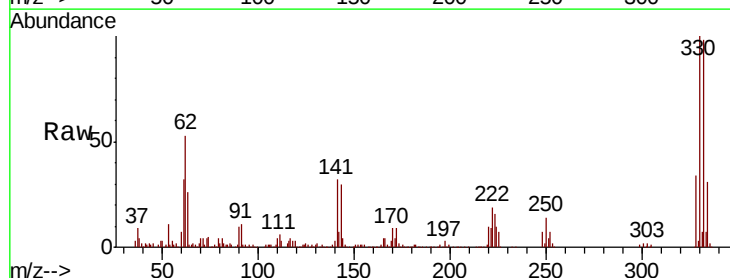


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

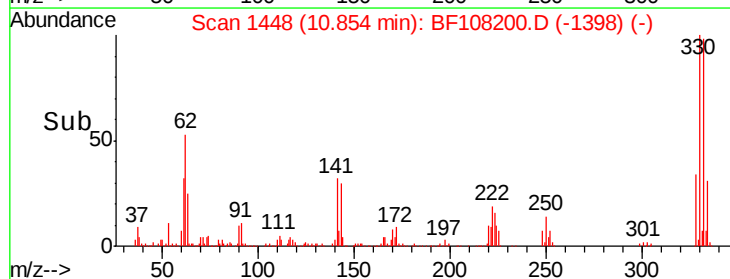
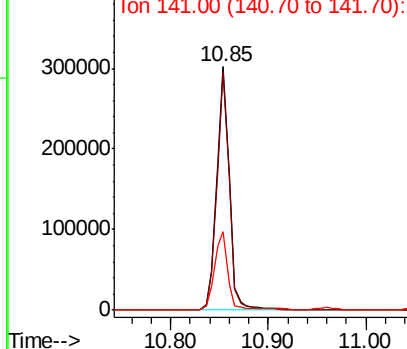


#41
2,4,6-Tribromophenol
Concen: 96.285 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

Tgt Ion:330 Resp: 273720
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 33.3 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: 64.137 ng

RT: 9.37 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF108200.D

Acq: 16 Aug 2018 17:37

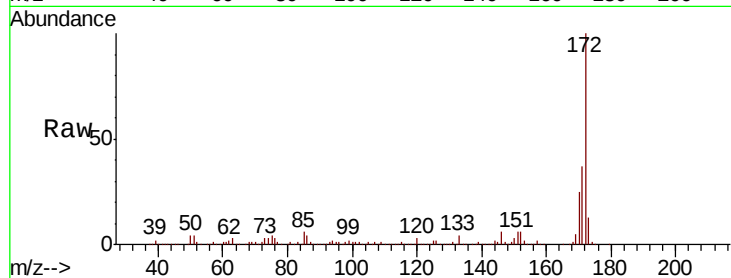
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1138550

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.7	19.6	29.4

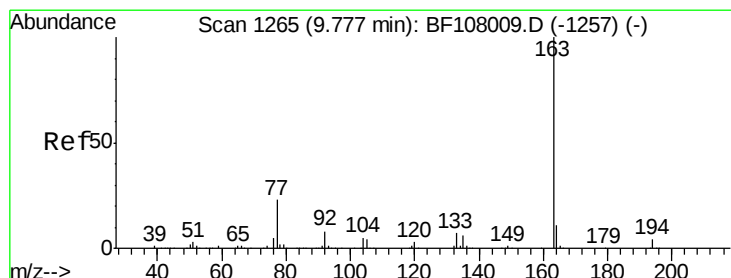
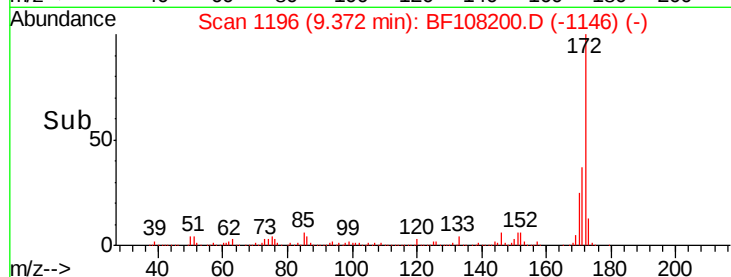
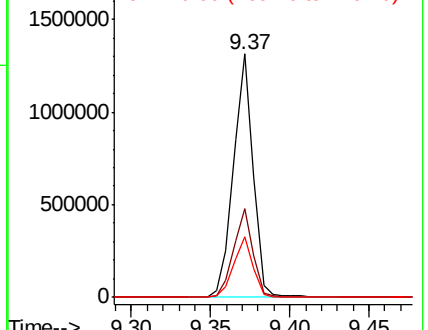


Abundance

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: 7.802 ng

RT: 9.76 min Scan# 1262

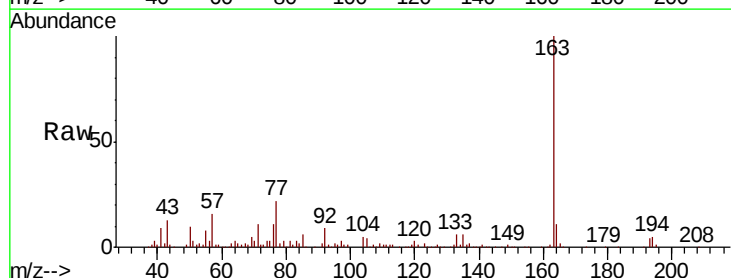
Delta R.T. -0.02 min

Lab File: BF108200.D

Acq: 16 Aug 2018 17:37

Tgt Ion:163 Resp: 154900

Ion	Ratio	Lower	Upper
163	100		
194	4.9	2.7	4.1#
164	10.6	8.2	12.2

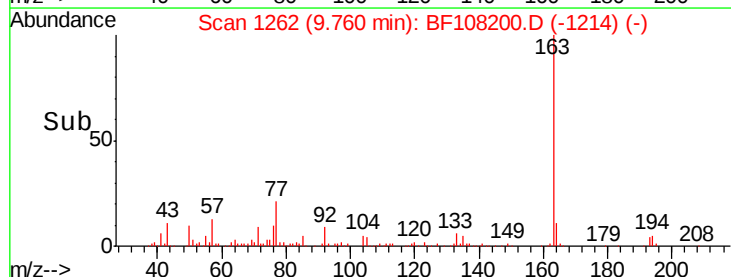
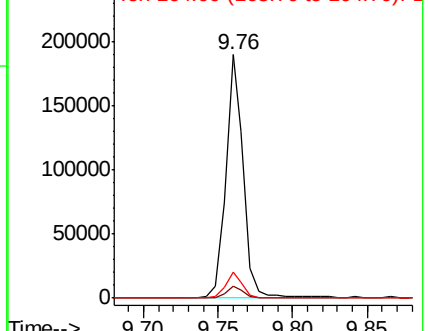


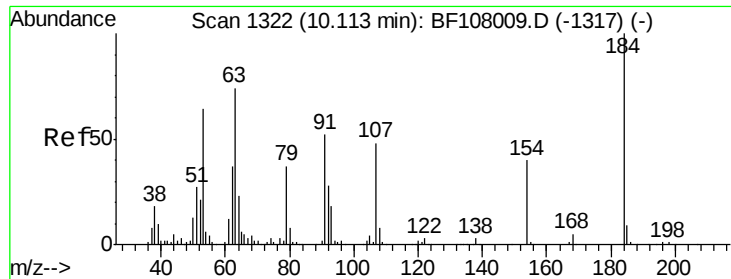
Abundance

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

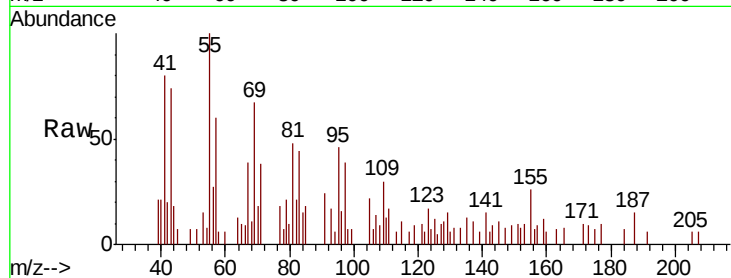




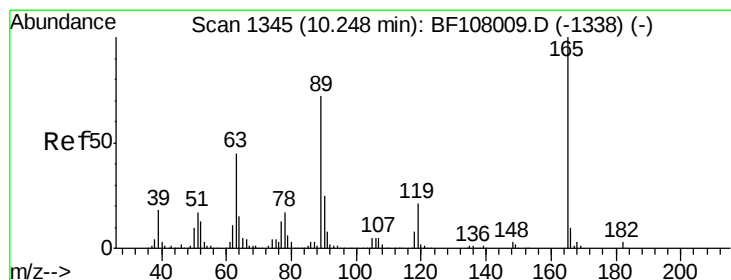
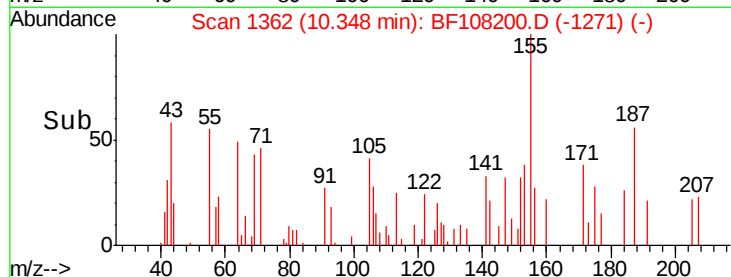
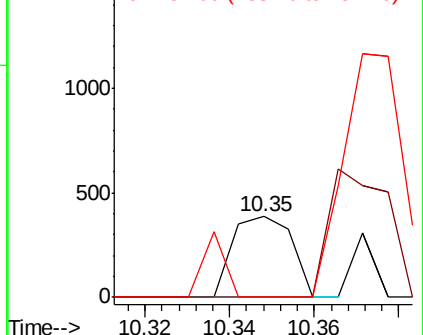
#53
 2,4-Dinitrophenol
 Concen: 7.241 ng
 RT: 10.35 min Scan# 1362
 Delta R.T. 0.24 min
 Lab File: BF108200.D
 Acq: 16 Aug 2018 17:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:184 Resp: 375
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#

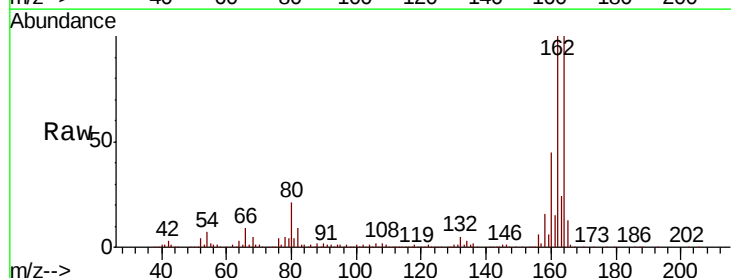


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

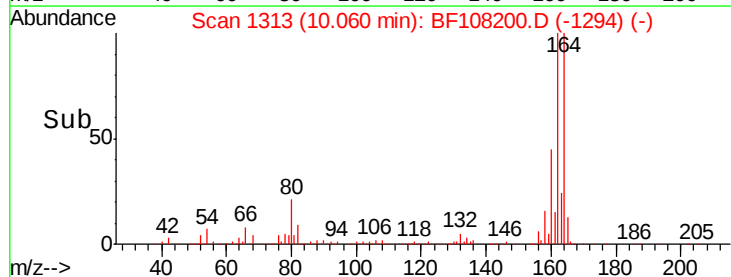
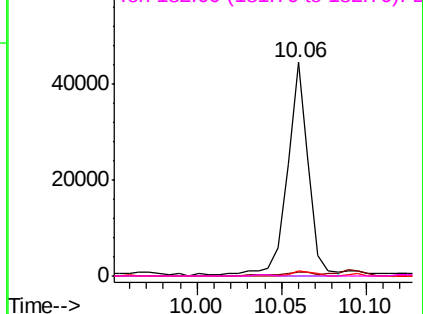


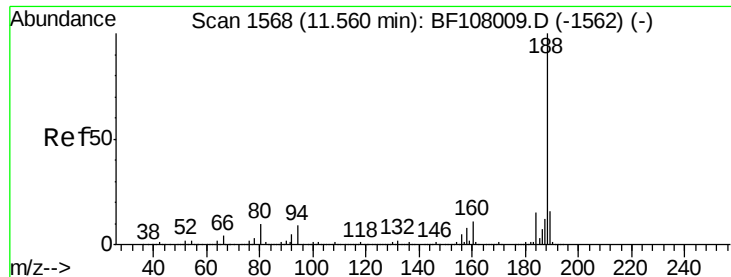
#56
 2,4-Dinitrotoluene
 Concen: 7.286 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108200.D
 Acq: 16 Aug 2018 17:37

Tgt Ion:165 Resp: 38952
 Ion Ratio Lower Upper
 165 100
 63 2.1 36.4 54.6#
 89 2.2 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

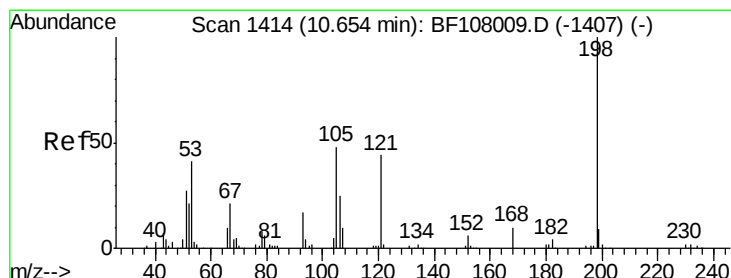
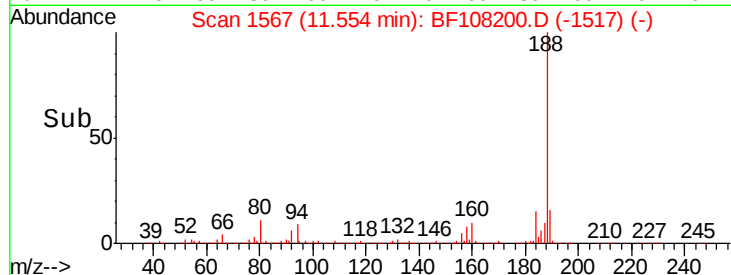
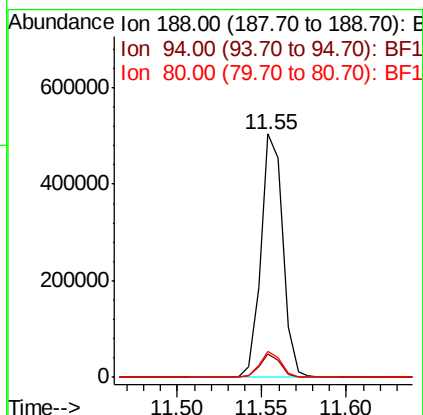
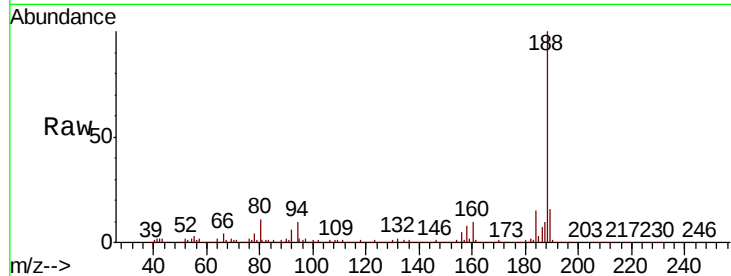




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

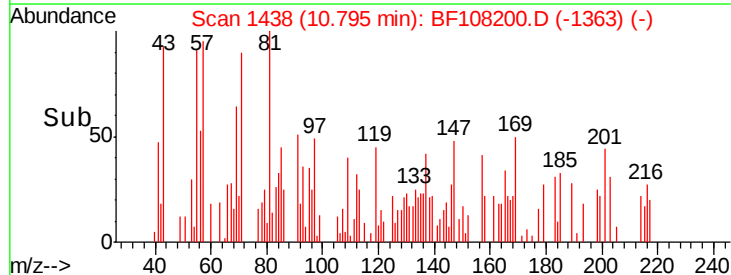
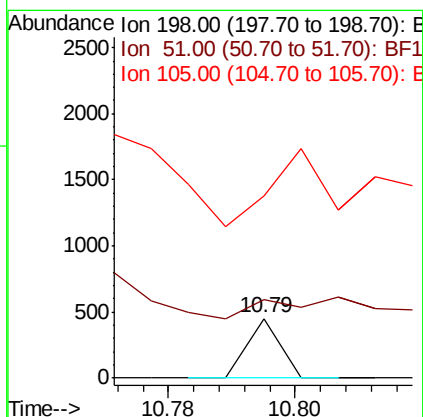
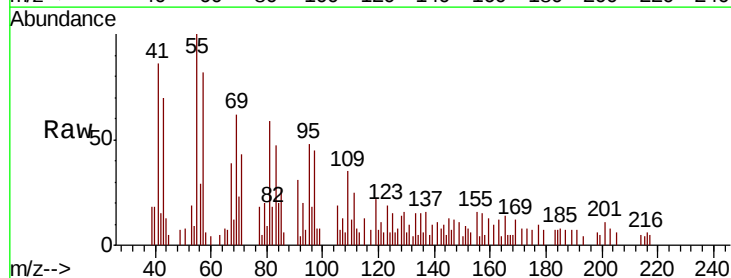
Instrument :
BNA_F
ClientSampleId :

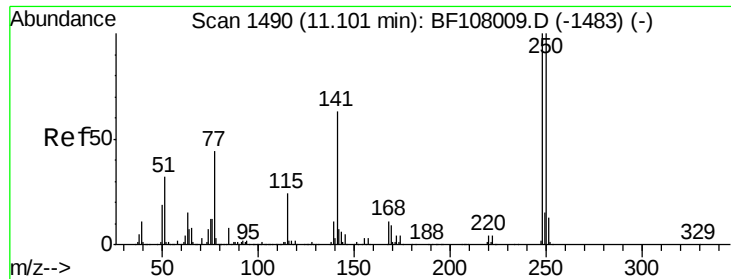
Tot Ion:188 Resp: 456571
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.442 ng
RT: 10.79 min Scan# 1438
Delta R.T. 0.14 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

Tgt Ion:198 Resp: 160
Ion Ratio Lower Upper
198 100
51 131.1 37.7 77.7#
105 304.2 36.3 76.3#

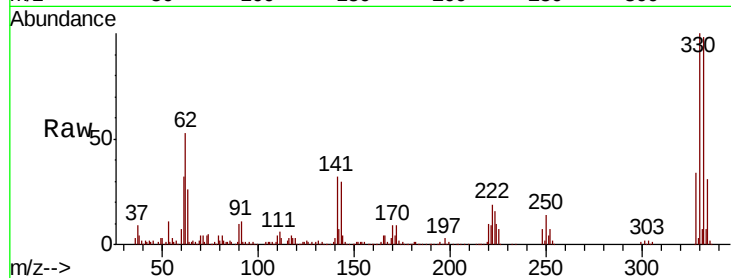




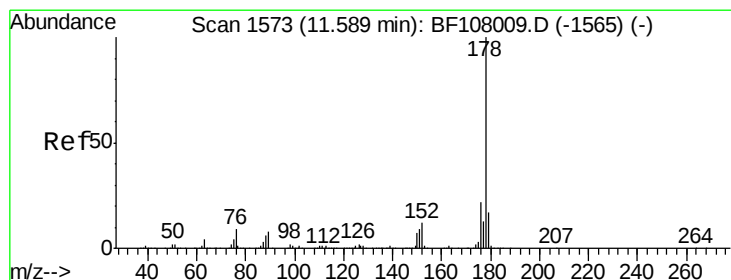
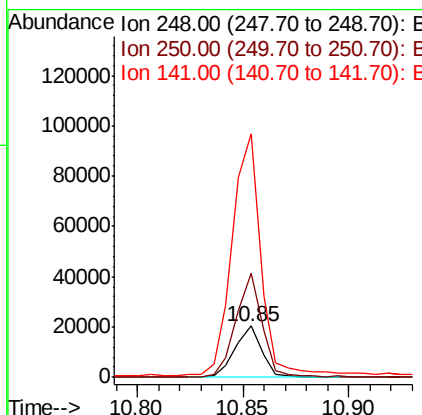
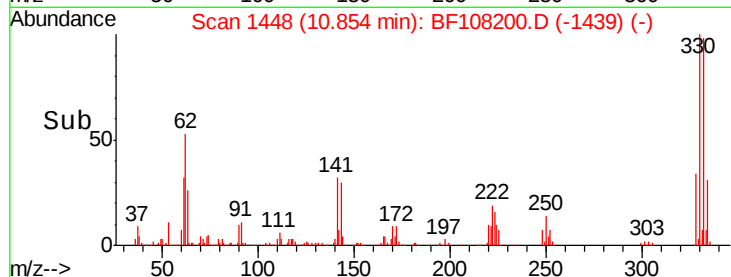
#66
4-Bromophenyl-phenylether
Concen: 3.616 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.25 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17944
Ion Ratio Lower Upper
248 100
250 202.4 76.9 115.3#
141 475.3 74.4 111.6#

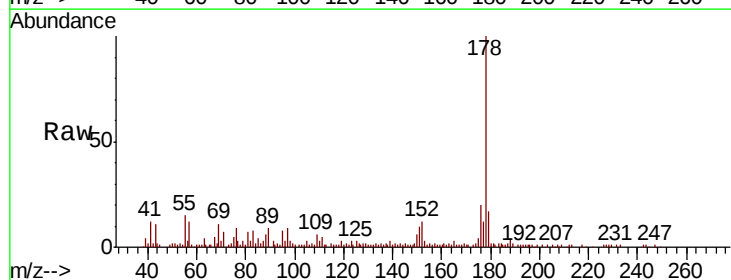


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

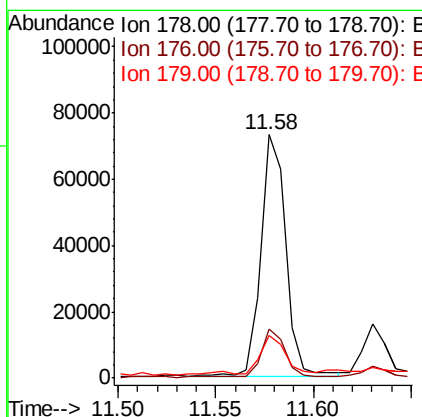
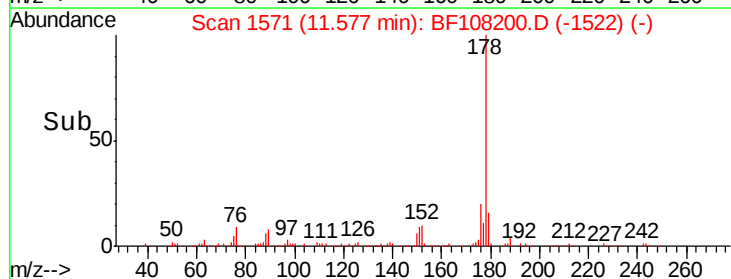


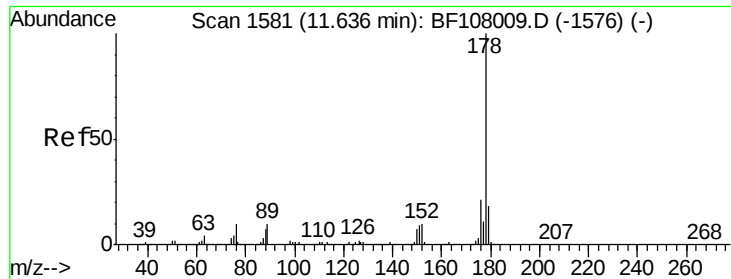
#70
Phenanthrene
Concen: 2.970 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

Tgt Ion:178 Resp: 63948
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 17.4 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

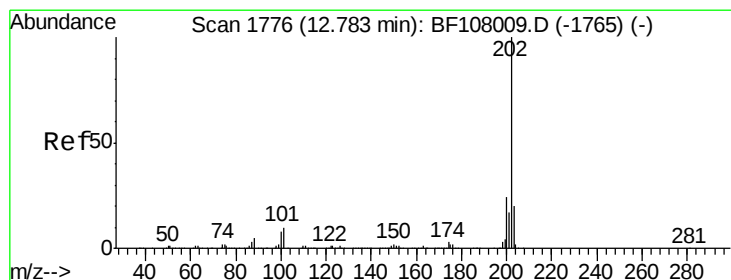
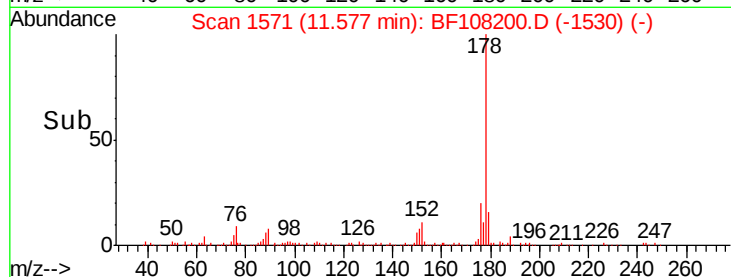
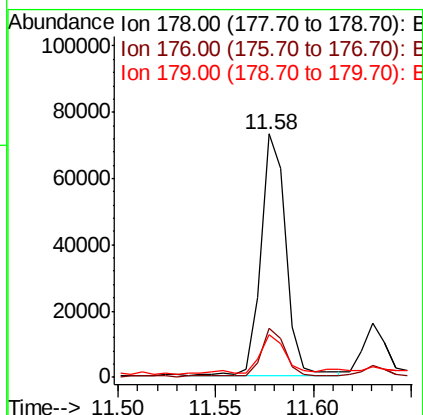
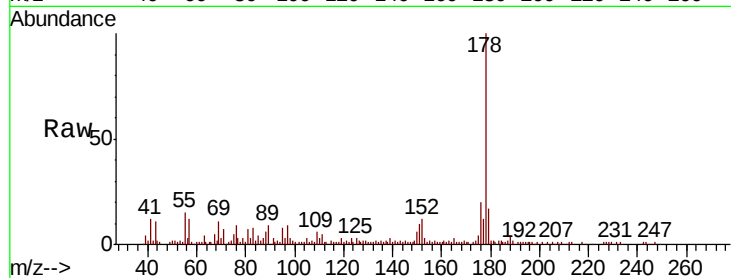




#71
 Anthracene
 Concen: 2.897 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.06 min
 Lab File: BF108200.D
 Acq: 16 Aug 2018 17:37

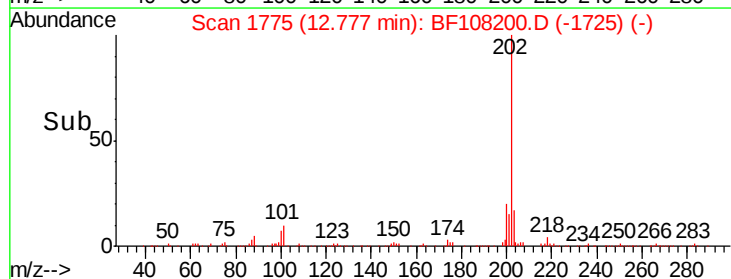
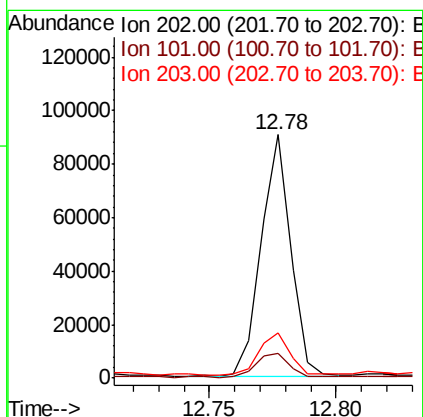
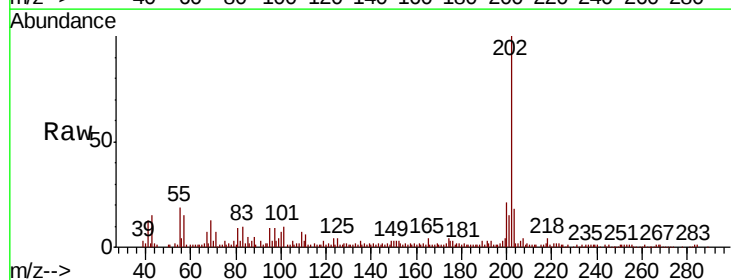
Instrument :
 BNA_F
 ClientSampleId :

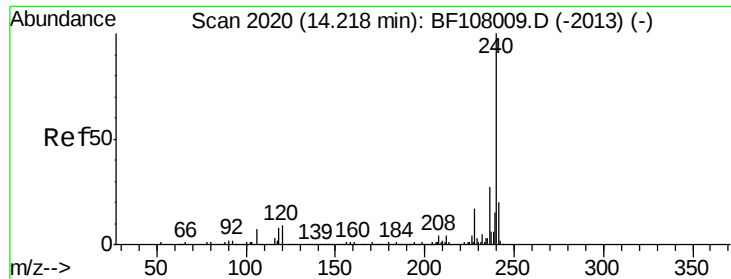
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.2
179	17.4	12.6	19.0



#74
 Fluoranthene
 Concen: 3.122 ng
 RT: 12.78 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF108200.D
 Acq: 16 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108200.D

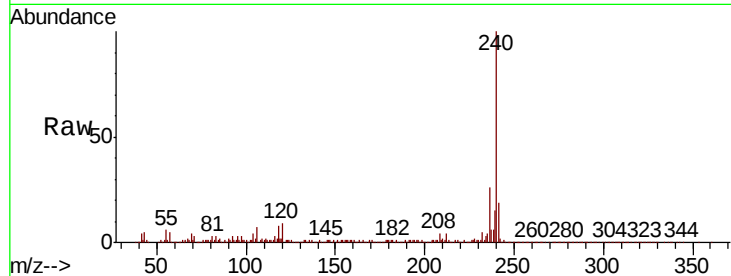
Acq: 16 Aug 2018 17:37

Instrument :

BNA_F

ClientSampleId :

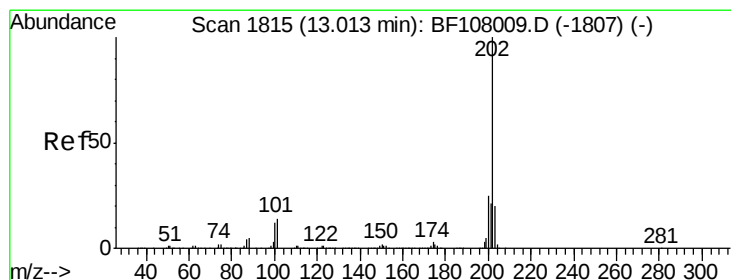
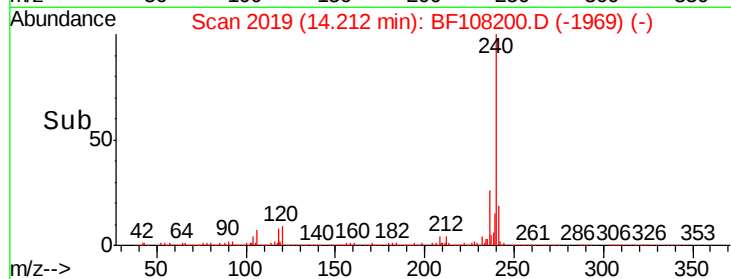
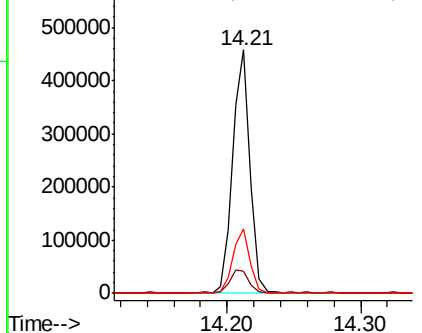
Tot Ion:	240	Resp:	416322
Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.5	14.3#
236	26.3	20.7	31.1



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: 2.777 ng

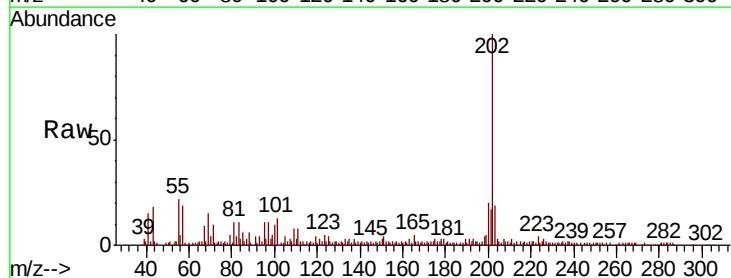
RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108200.D

Acq: 16 Aug 2018 17:37

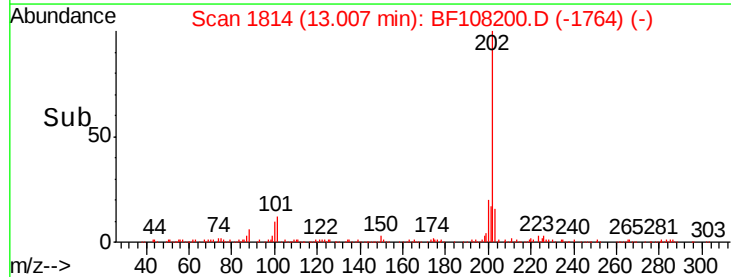
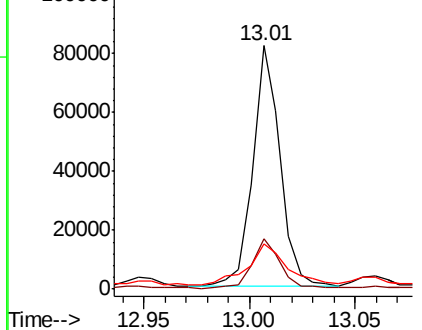
Tgt Ion:	202	Resp:	73192
Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	18.8	14.3	21.5

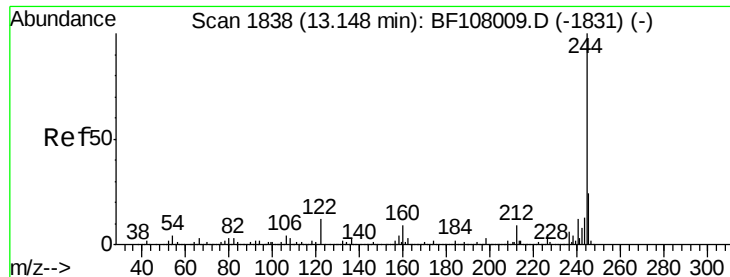


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

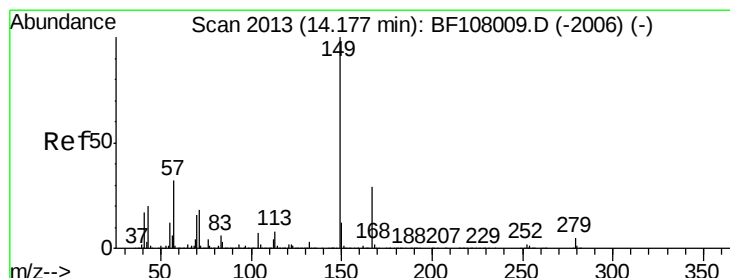
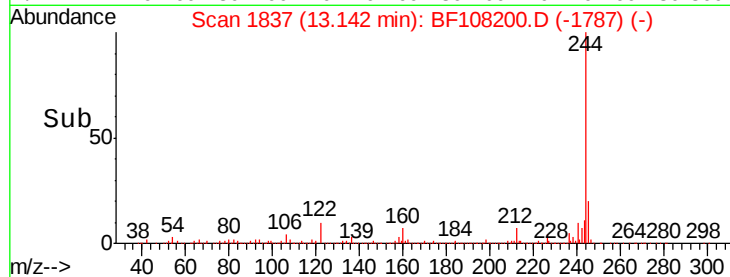
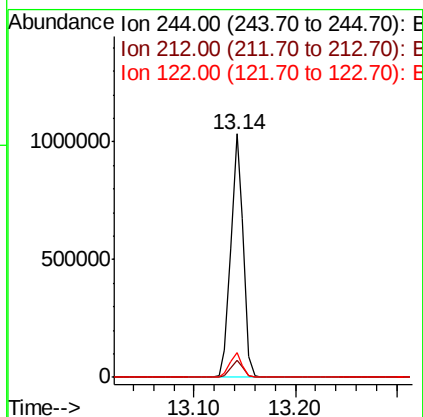
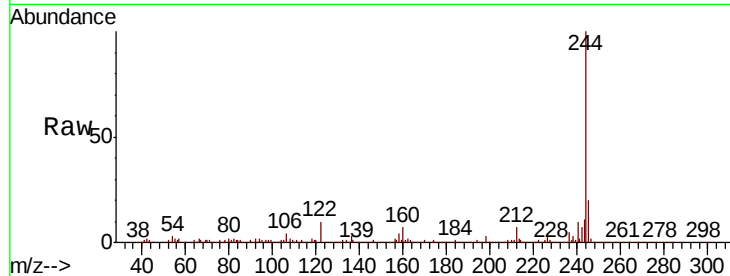




#78
 Terphenyl-d14
 Concen: 53.736 ng
 RT: 13.14 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF108200.D
 Acq: 16 Aug 2018 17:37

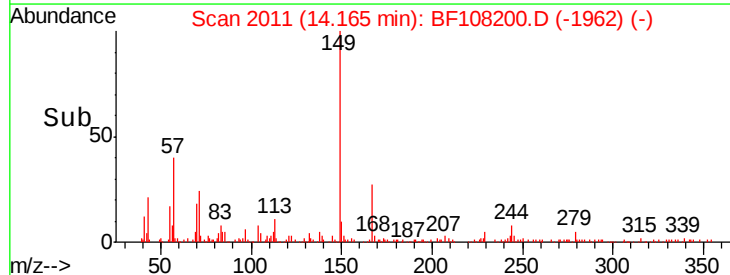
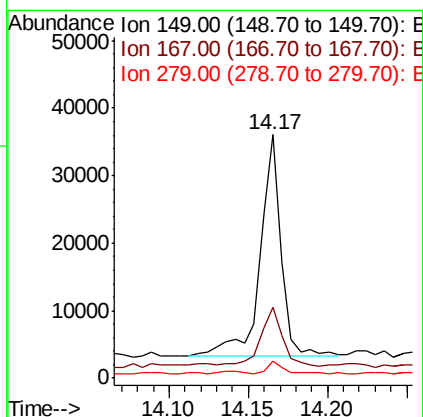
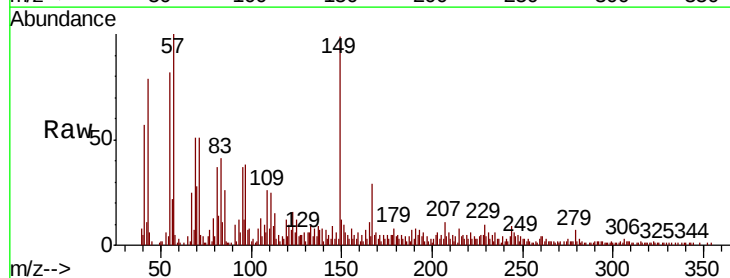
Instrument :
 BNA_F
 ClientSampled :

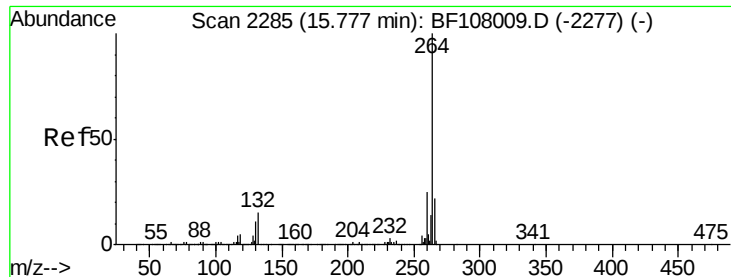
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.4	11.0	16.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.145 ng
 RT: 14.17 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF108200.D
 Acq: 16 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	21.3	31.9
279	6.9	3.0	4.4

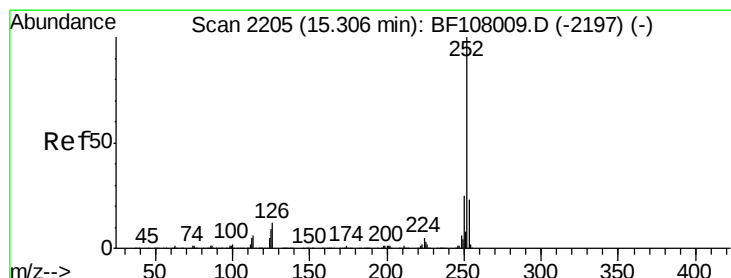
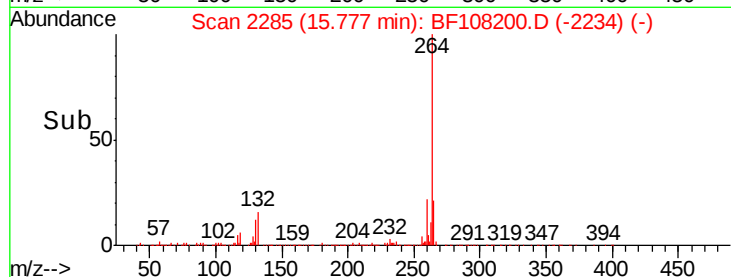
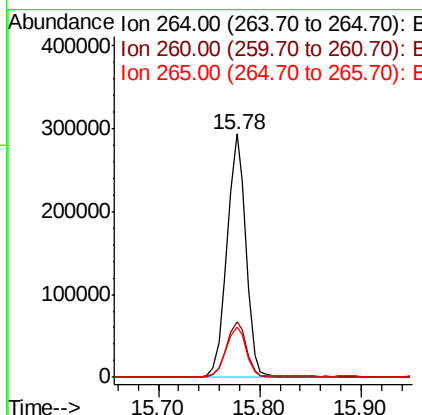
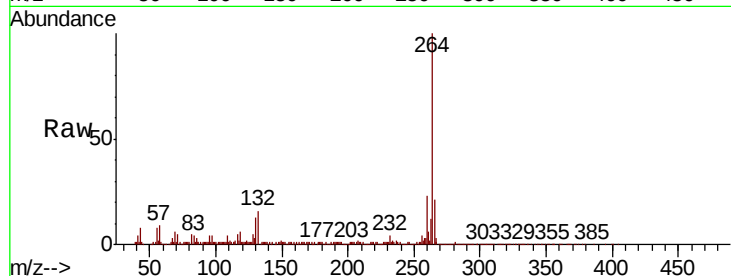




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

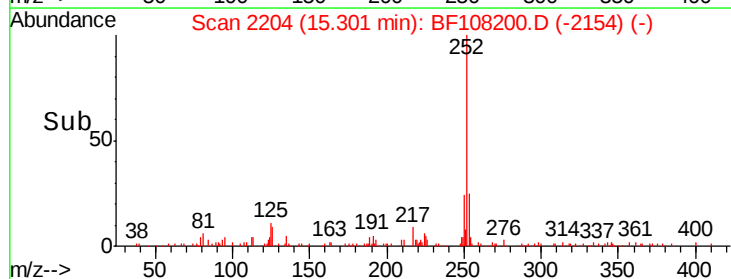
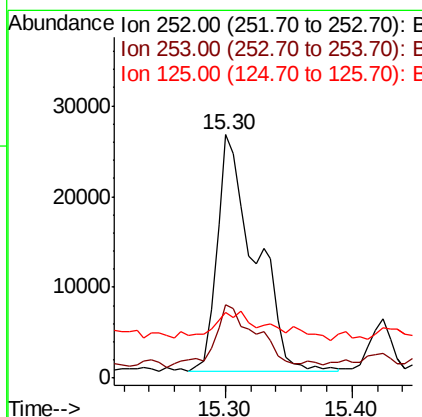
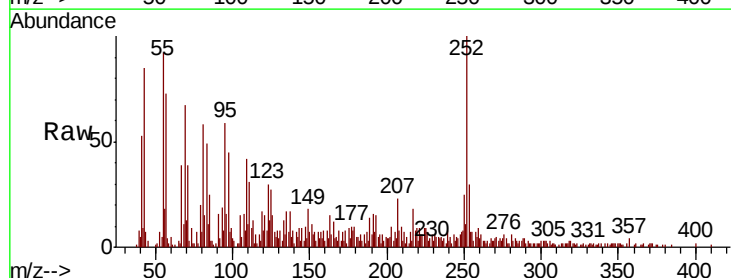
Instrument :
BNA_F
ClientSampleId :

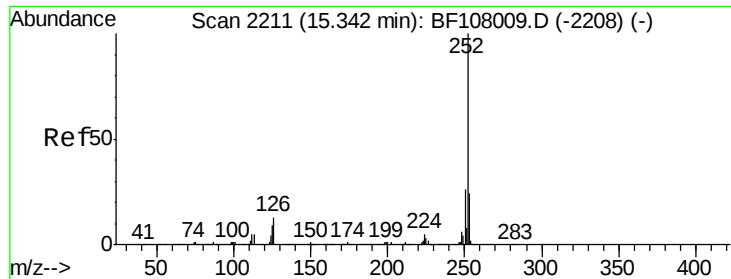
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	20.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.382 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108200.D
Acq: 16 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.0	25.6#
125	27.2	9.0	13.6#

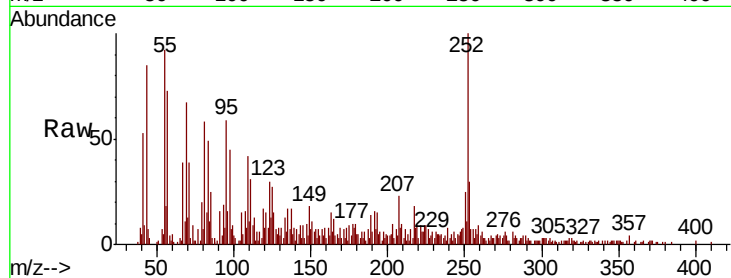




#88
 Benzo(k)fluoranthene
 Concen: 2.591 ng
 RT: 15.30 min Scan# 2204
 Delta R.T. -0.04 min
 Lab File: BF108200.D
 Acq: 16 Aug 2018 17:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.9	26.9#
125	27.2	10.2	15.2#



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

