

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109530.D
 Acq On : 3 Oct 2018 4:56
 Operator : JU/SJ
 Sample : J5187-09
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 09:11:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	94926	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	357161	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	160783	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	281296	20.00	ng	0.00
75) Chrysene-d12	13.83	240	217160	20.00	ng	-0.01
86) Perylene-d12	15.23	264	230972	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	244775	42.47	ng	0.00
7) Phenol-d6	6.34	99	206857	28.13	ng	-0.02
23) Nitrobenzene-d5	7.27	82	670762	110.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	164931	104.06	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1169330	109.69	ng	-0.01
78) Terphenyl-d14	12.79	244	965047	109.06	ng	-0.01

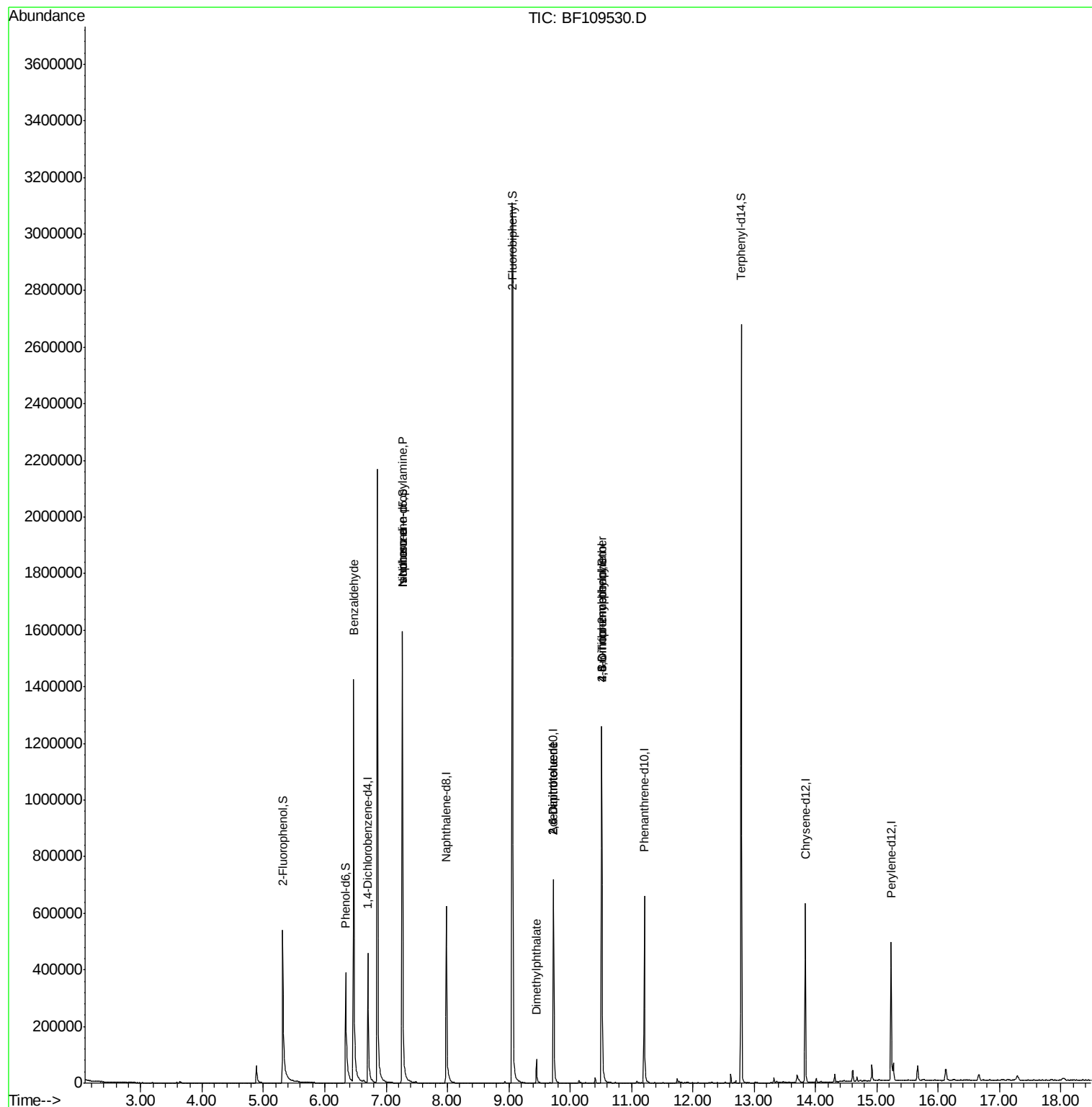
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	11289	2.390	ng	# 72
19) n-Nitroso-di-n-propylamine	7.27	70	88735	18.414	ng	# 76
25) Isophorone	7.27	82	661671	60.731	ng	# 64
49) Dimethylphthalate	9.45	163	45507	3.891	ng	# 99
50) 2,6-Dinitrotoluene	9.73	165	19420	8.385	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	19420	6.627	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	253	6.714	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	9858	3.156	ng	# 1

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

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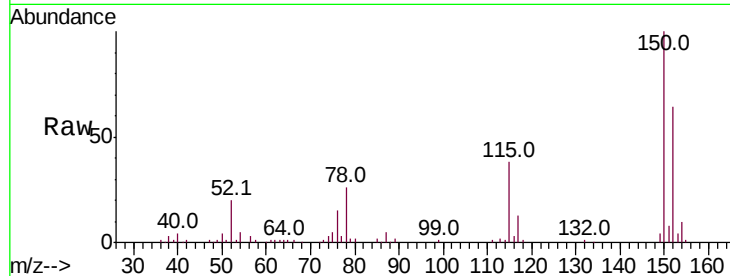


#1

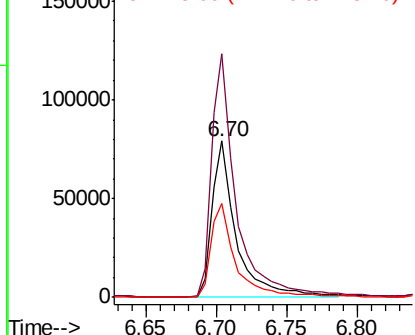
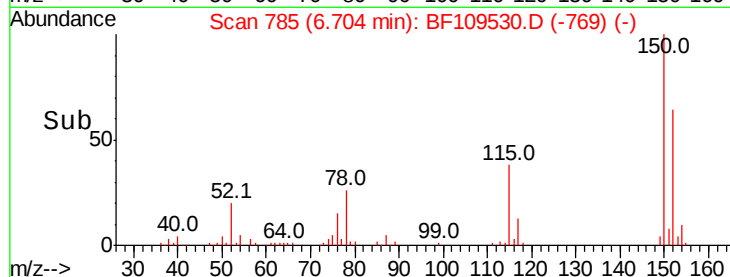
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94926
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 60.0 50.1 75.1



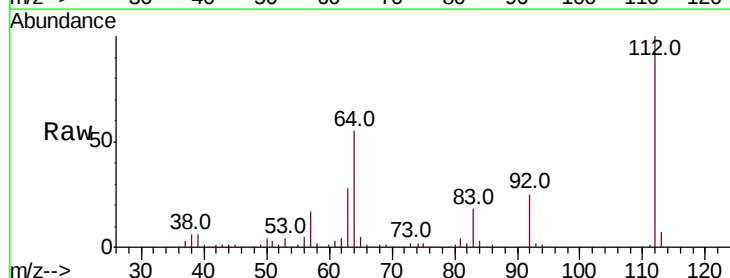
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



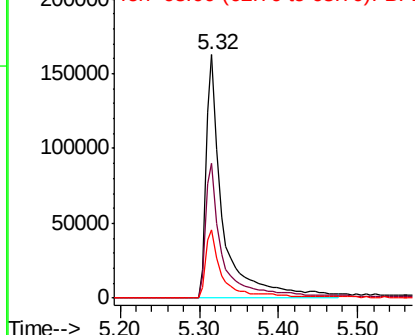
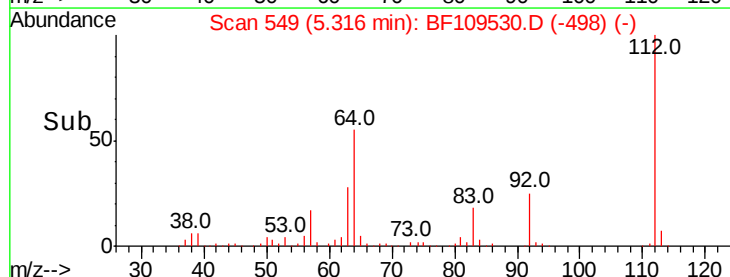
#5

2-Fluorophenol
Concen: 42.471 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

Tgt Ion:112 Resp: 244775
Ion Ratio Lower Upper
112 100
64 55.1 47.9 71.9
63 28.1 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: 28.128 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109530.D

Acq: 3 Oct 2018 4:56

Instrument :

BNA_F

ClientSampled :

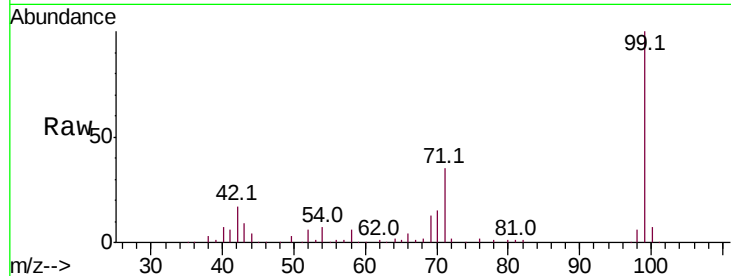
Tot Ion: 99 Resp: 206857

Ion Ratio Lower Upper

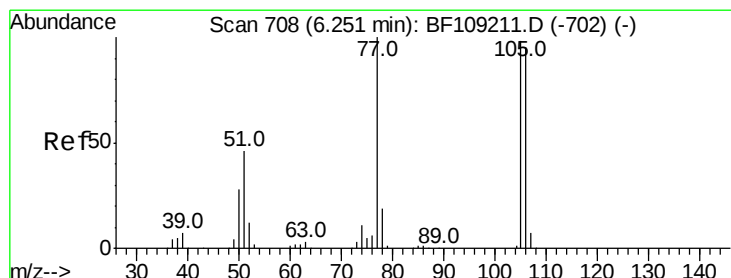
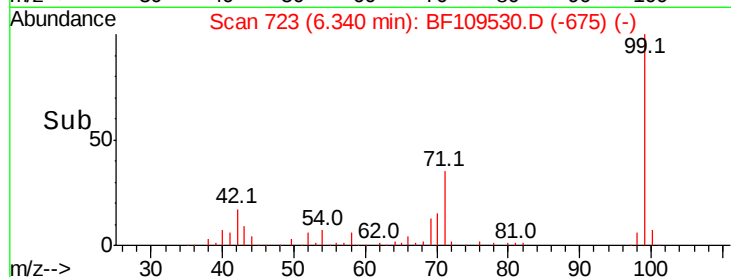
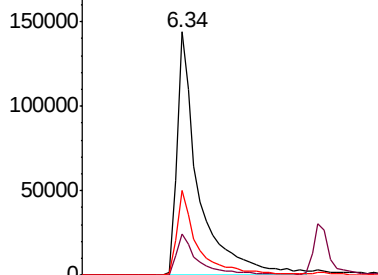
99 100

42 17.2 14.5 21.7

71 34.9 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: 2.390 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.22 min

Lab File: BF109530.D

Acq: 3 Oct 2018 4:56

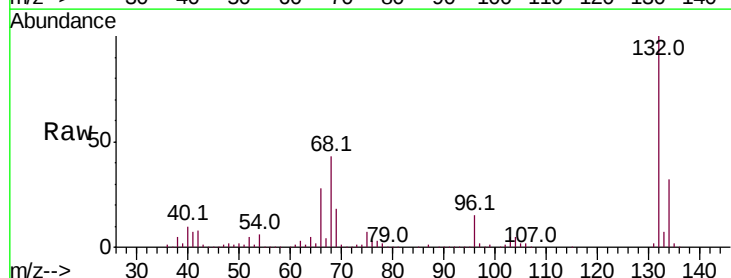
Tgt Ion: 77 Resp: 11289

Ion Ratio Lower Upper

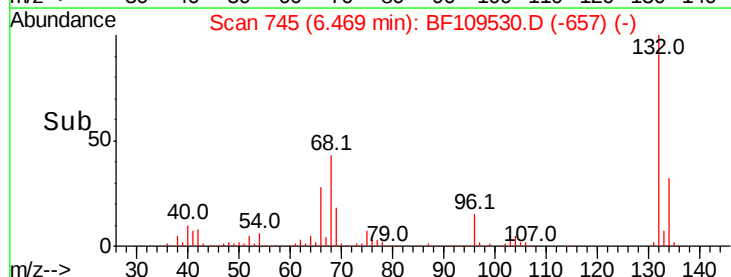
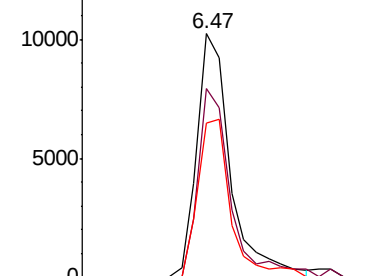
77 100

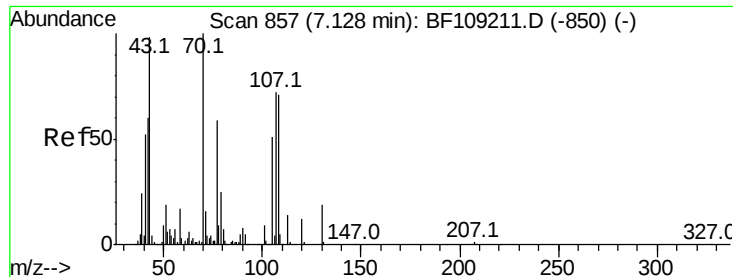
105 77.3 81.1 121.1#

106 63.1 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

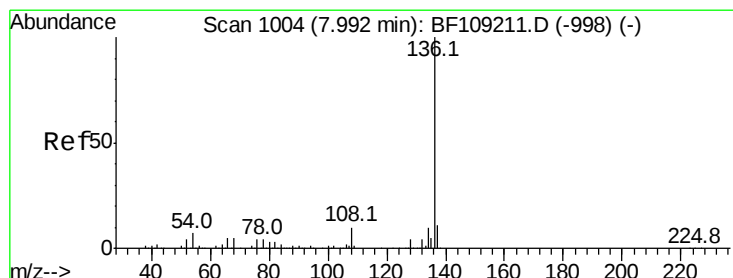
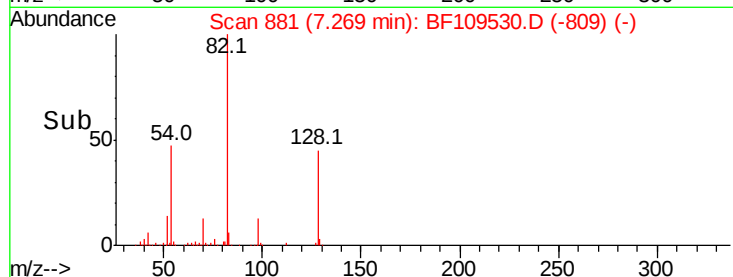
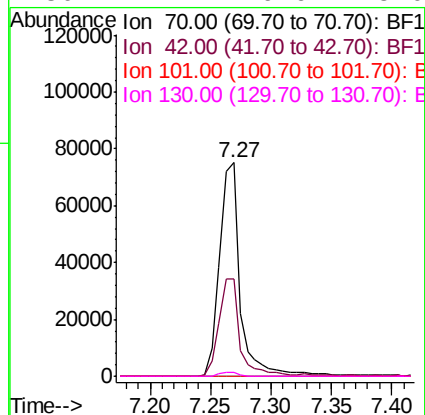
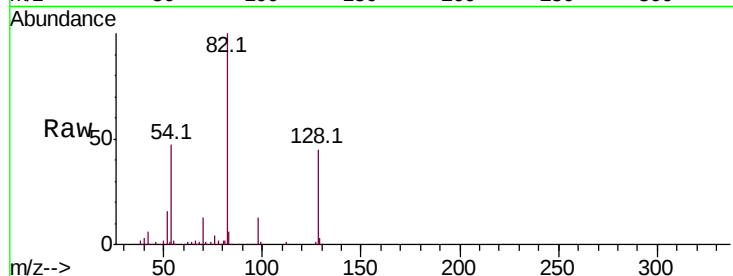




#19
n-Nitroso-di-n-propylamine
Concen: 18.414 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

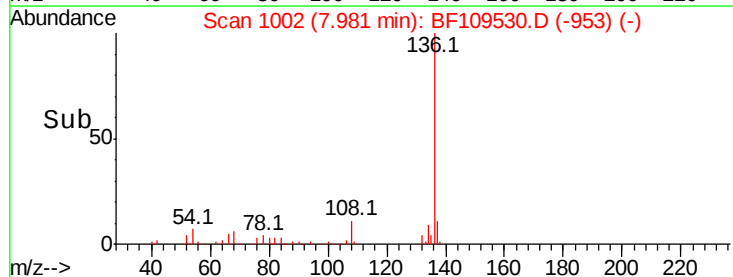
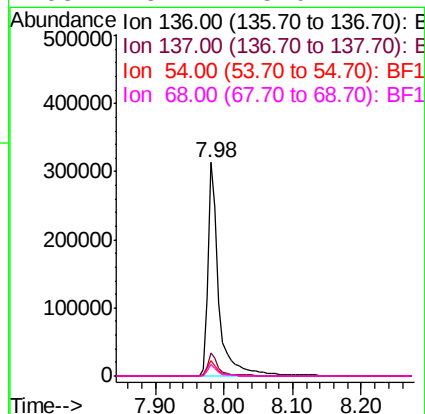
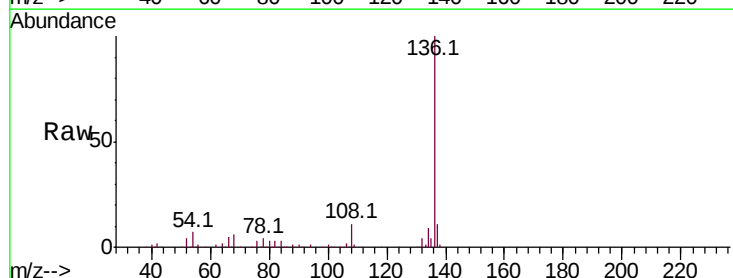
Instrument :
BNA_F
ClientSampled :

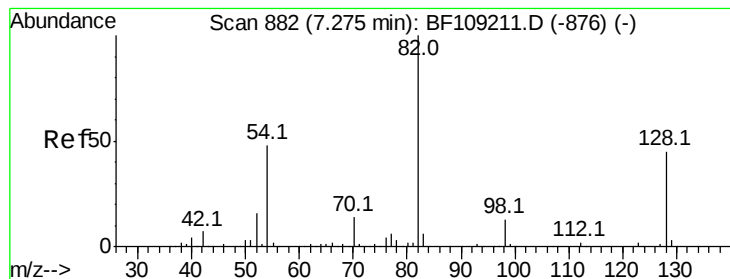
Tot Ion: 70 Resp: 88735
Ion Ratio Lower Upper
70 100
42 45.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

Tgt Ion:136 Resp: 357161
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.2 6.6 9.8
68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 110.863 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109530.D

Acq: 3 Oct 2018 4:56

Instrument :

BNA_F

ClientSampleId :

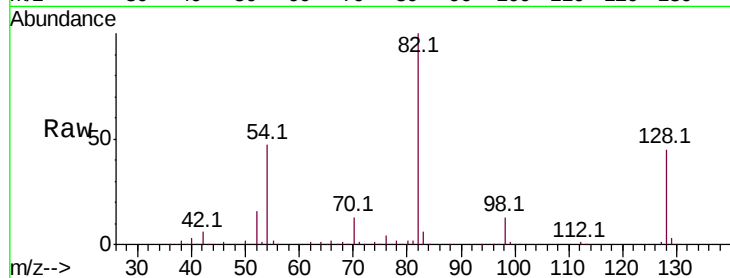
Tot Ion: 82 Resp: 670762

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

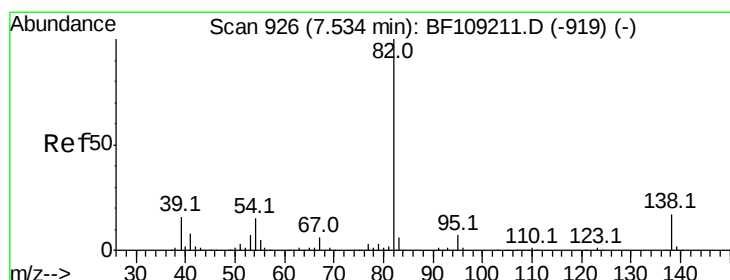
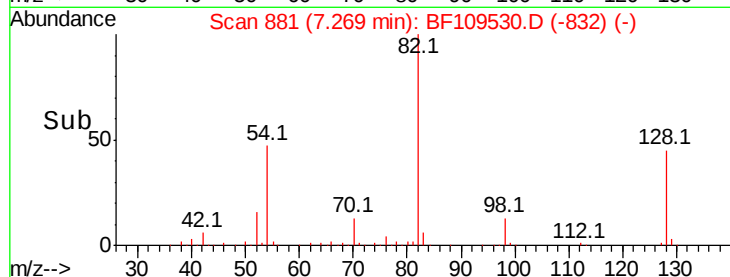
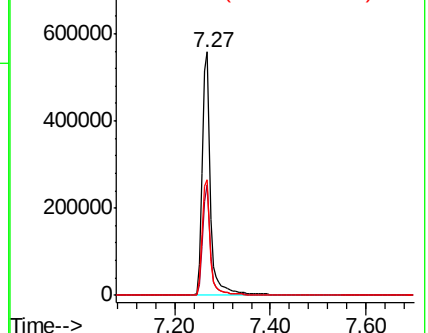
54 47.3 41.4 62.2



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: 60.731 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109530.D

Acq: 3 Oct 2018 4:56

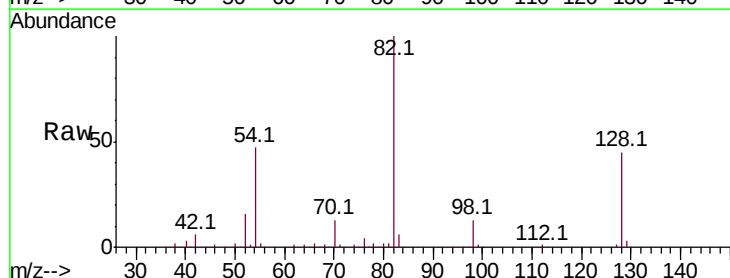
Tgt Ion: 82 Resp: 661671

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

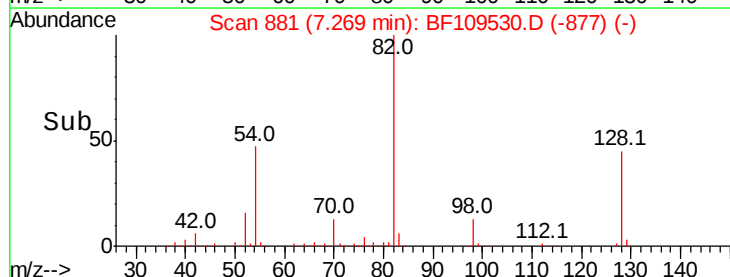
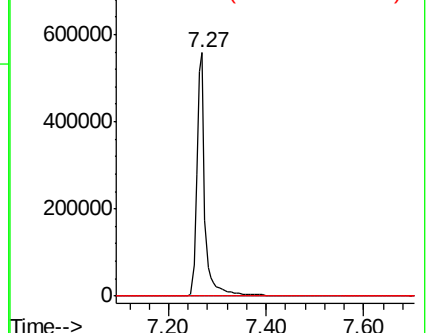
138 0.0 14.9 22.3#

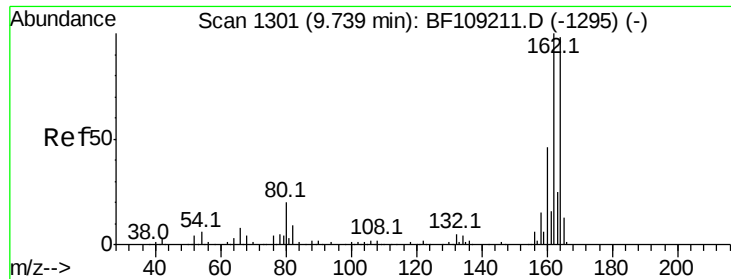


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

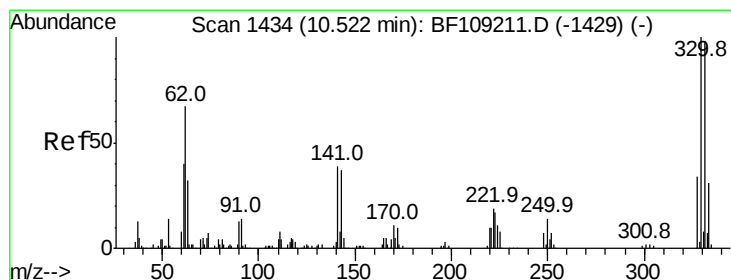
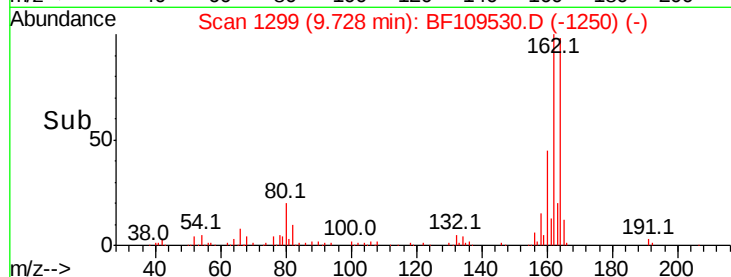
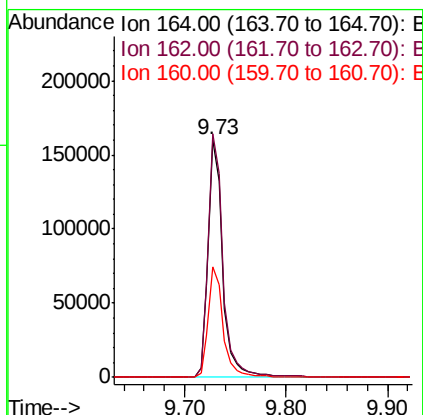
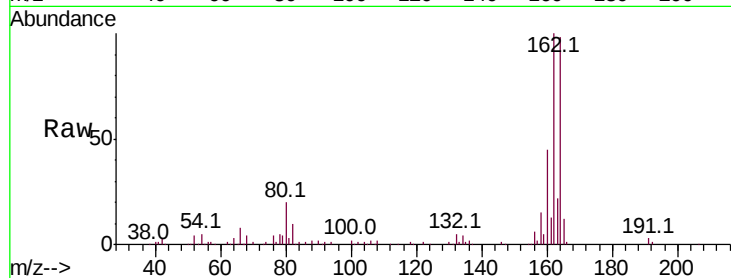




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF109530.D
 Acq: 3 Oct 2018 4:56

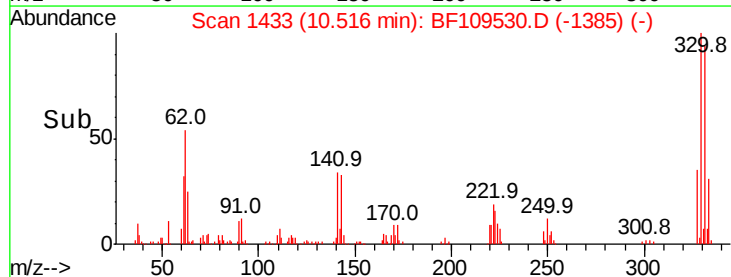
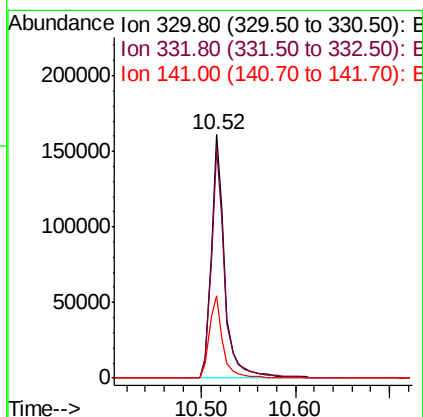
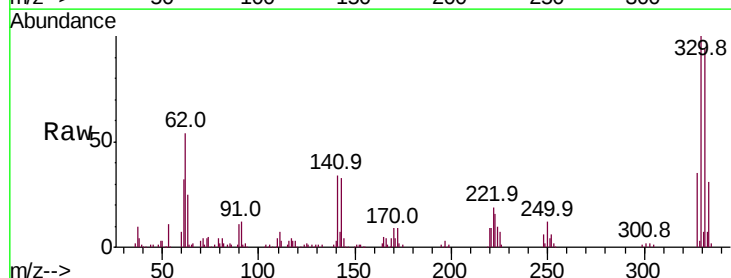
Instrument :
 BNA_F
 ClientSampleId :

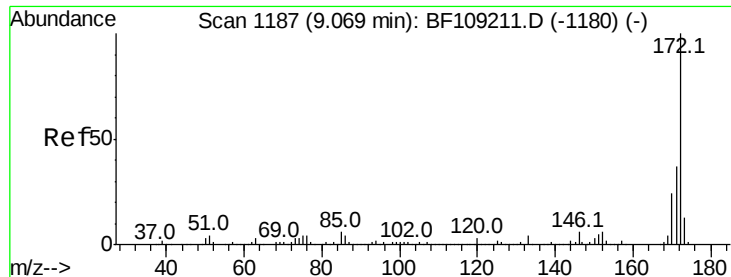
Tot Ion:164 Resp: 160783
 Ion Ratio Lower Upper
 164 100
 162 102.5 86.1 129.1
 160 46.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 104.058 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109530.D
 Acq: 3 Oct 2018 4:56

Tgt Ion:330 Resp: 164931
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 33.8 29.9 44.9

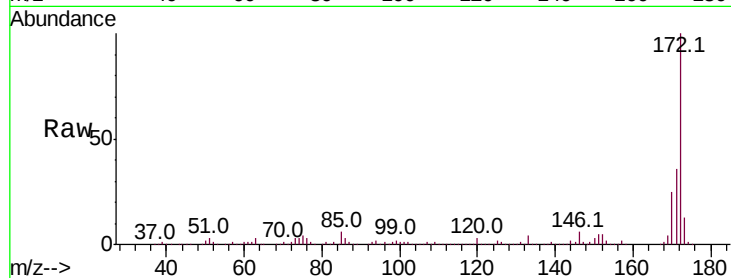




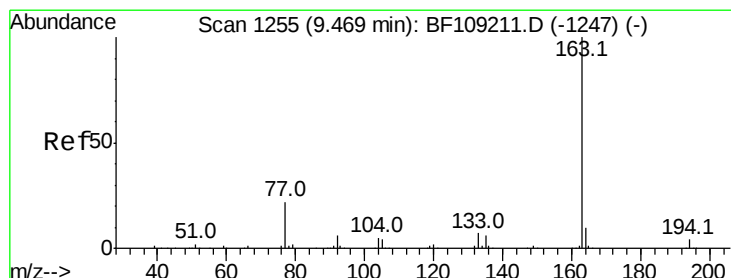
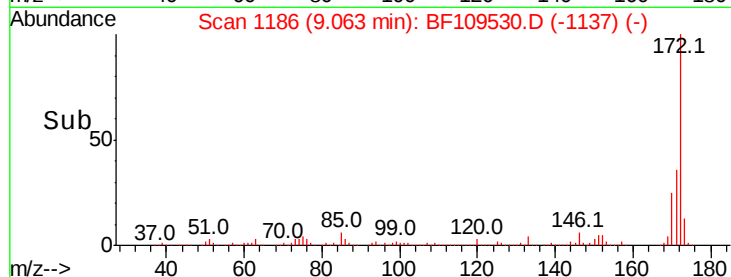
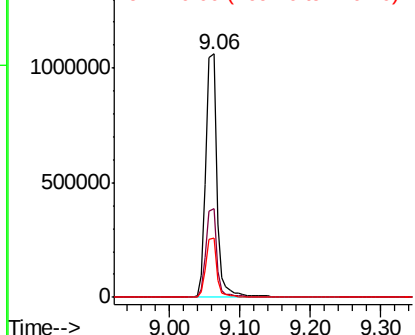
#44
2-Fluorobiphenyl
Concen: 109.687 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1169330
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.6 19.6 29.4

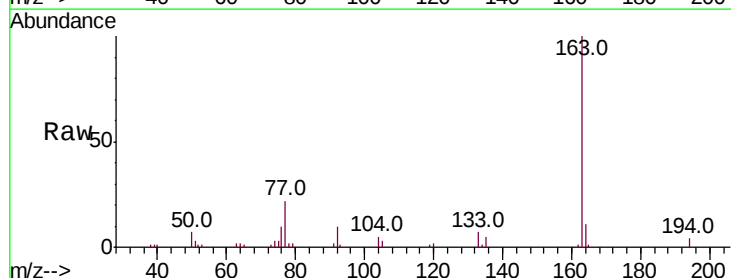


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

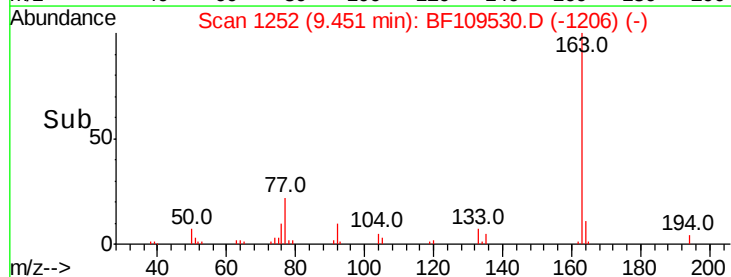
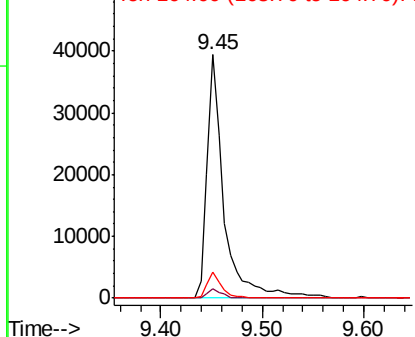


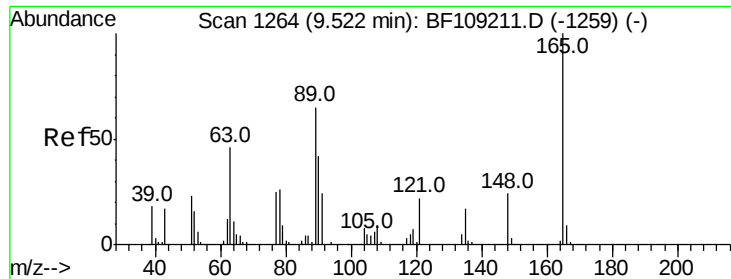
#49
Dimethylphthalate
Concen: 3.891 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

Tgt Ion:163 Resp: 45507
Ion Ratio Lower Upper
163 100
194 3.8 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

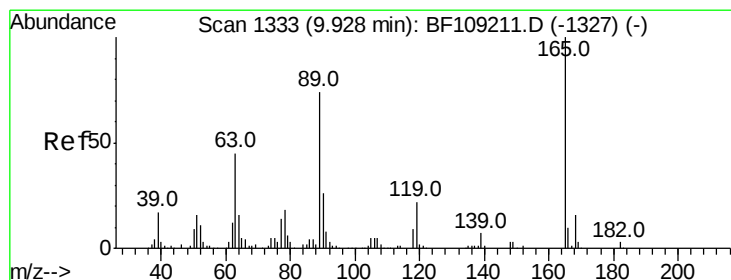
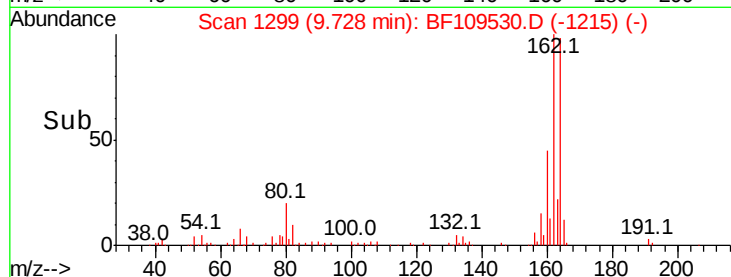
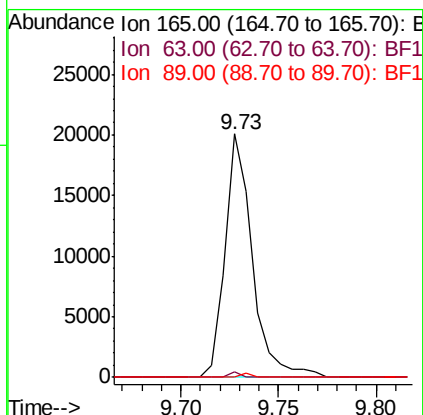
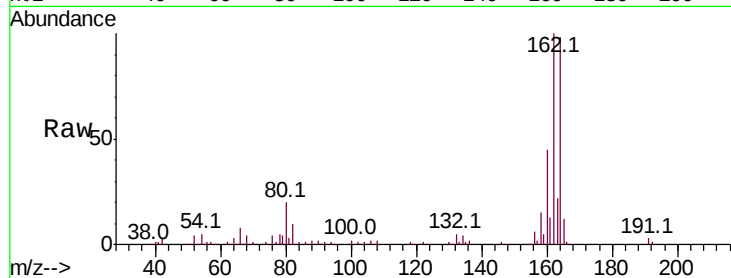




#50
 2,6-Dinitrotoluene
 Concen: 8.385 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF109530.D
 Acq: 3 Oct 2018 4:56

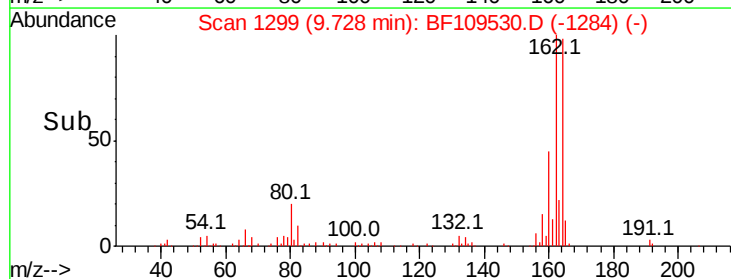
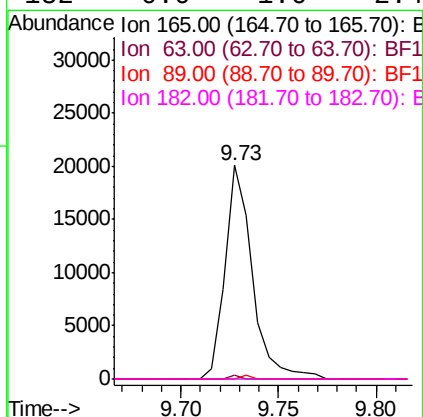
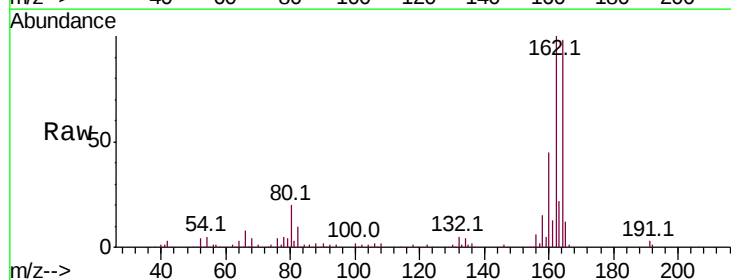
Instrument :
 BNA_F
 ClientSampleId :

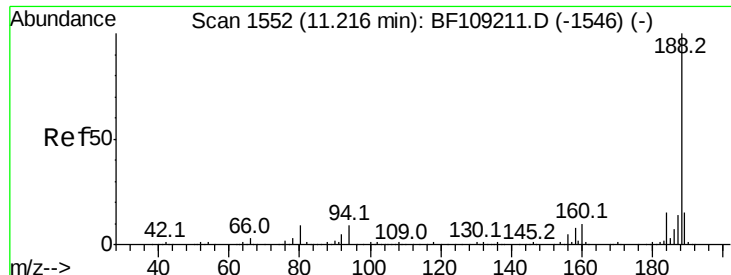
Tot Ion:165 Resp: 19420
 Ion Ratio Lower Upper
 165 100
 63 2.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.627 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109530.D
 Acq: 3 Oct 2018 4:56

Tgt Ion:165 Resp: 19420
 Ion Ratio Lower Upper
 165 100
 63 2.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

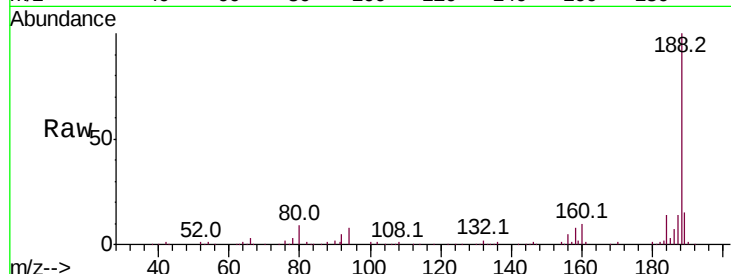




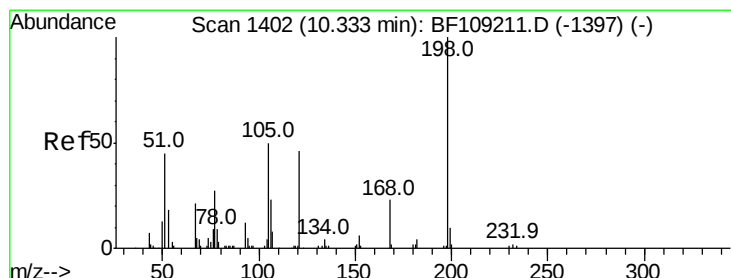
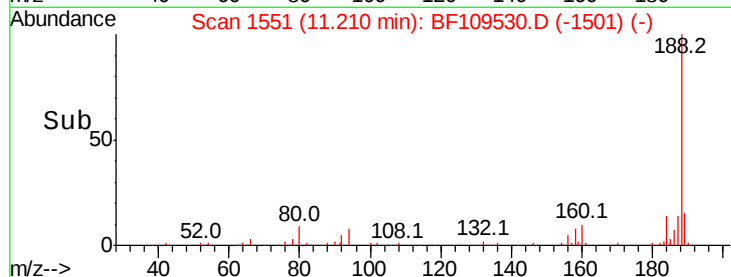
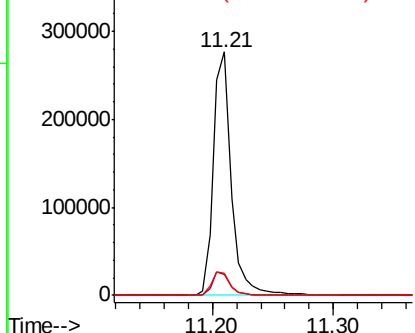
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 281296
Ion Ratio Lower Upper
188 100
94 8.4 8.5 12.7#
80 8.8 9.2 13.8#

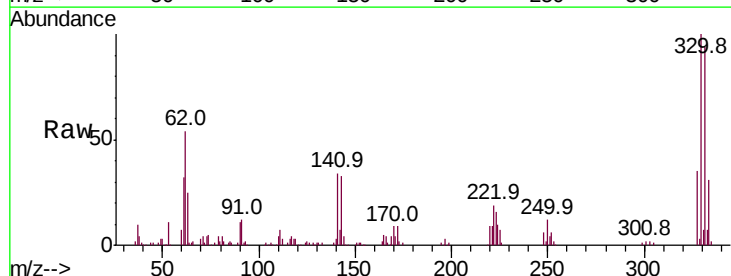


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

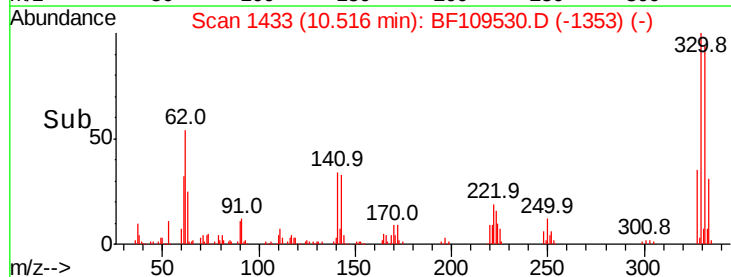
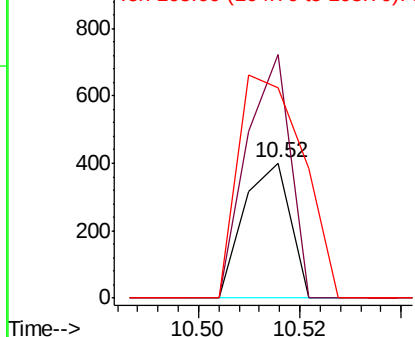


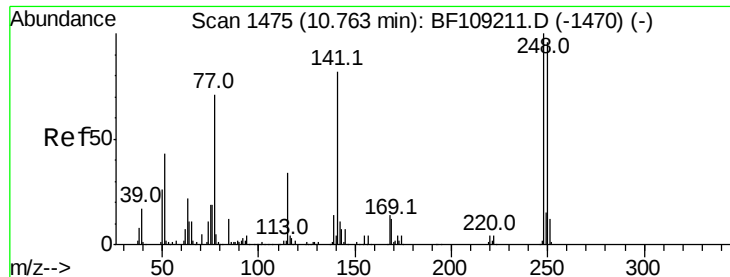
#64
4,6-Dinitro-2-methylphenol
Concen: 6.714 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.17 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

Tgt Ion:198 Resp: 253
Ion Ratio Lower Upper
198 100
51 180.8 37.7 77.7#
105 156.2 36.3 76.3#



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

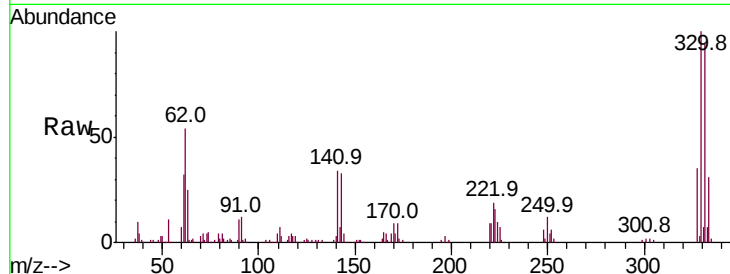




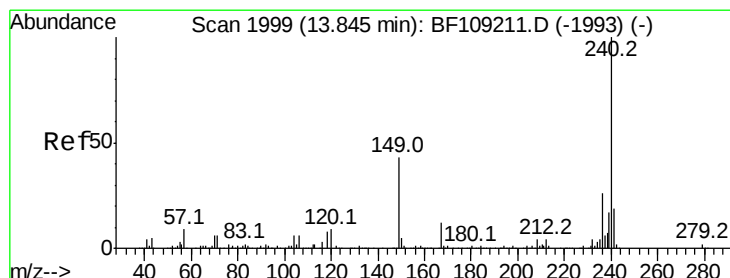
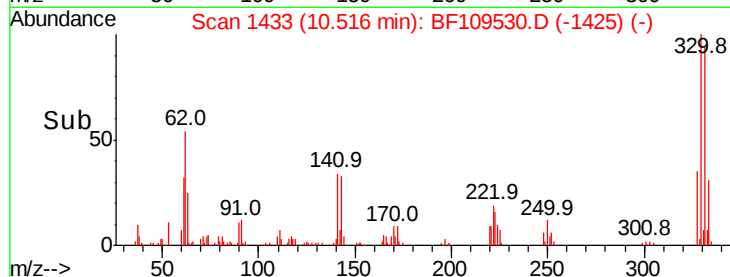
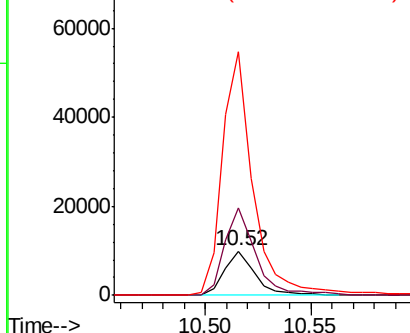
#66
4-Bromophenyl-phenylether
Concen: 3.156 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9858
Ion Ratio Lower Upper
248 100
250 199.0 76.9 115.3#
141 552.0 74.4 111.6#

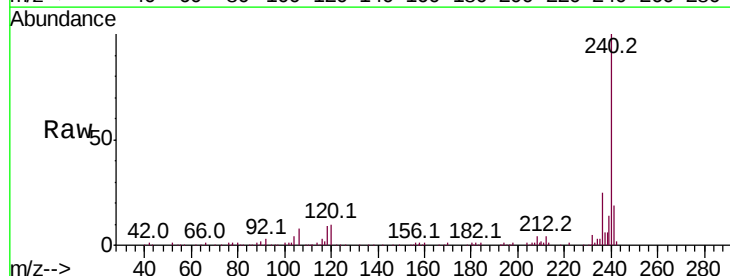


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

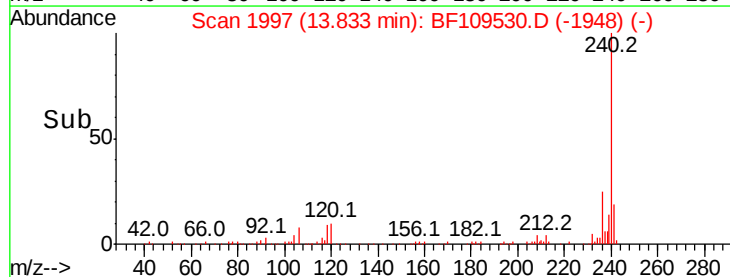
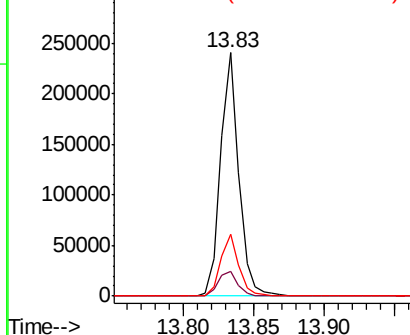


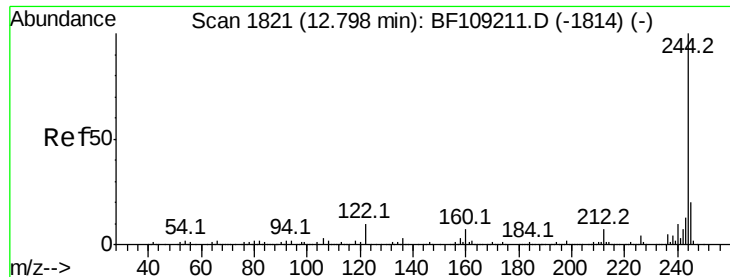
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF109530.D
Acq: 3 Oct 2018 4:56

Tgt Ion:240 Resp: 217160
Ion Ratio Lower Upper
240 100
120 10.1 9.5 14.3
236 25.3 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

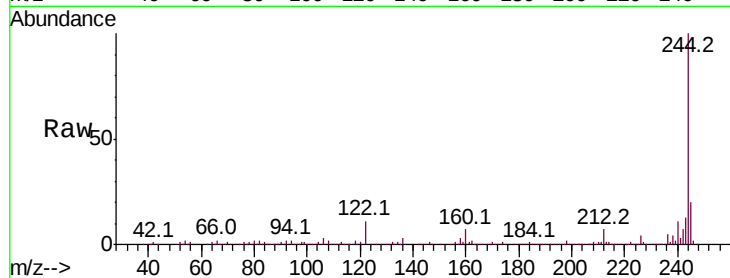




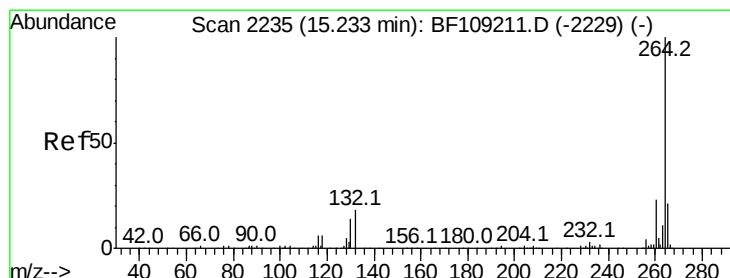
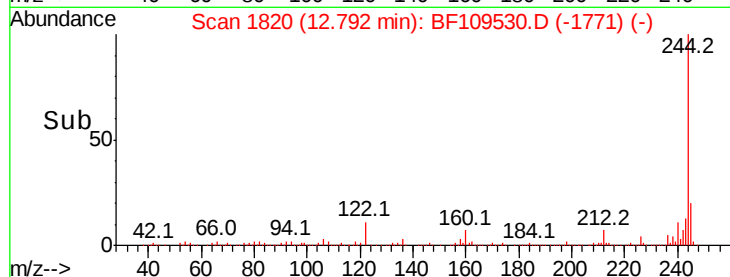
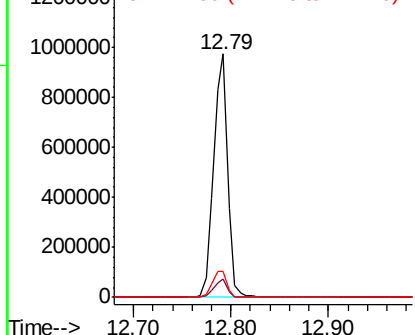
#78
 Terphenyl-d14
 Concen: 109.062 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109530.D
 Acq: 3 Oct 2018 4:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 965047
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 10.7 11.0 16.4#

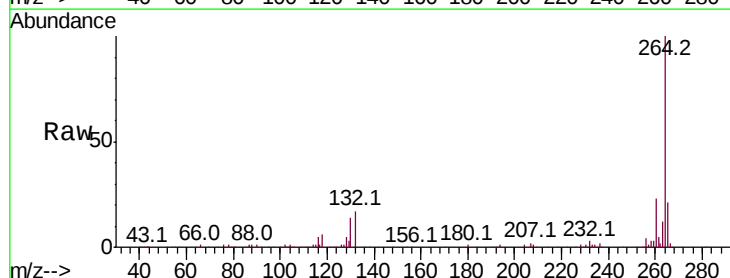


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF109530.D
 Acq: 3 Oct 2018 4:56

Tgt Ion:264 Resp: 230972
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 20.9 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

