

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109537.D
 Acq On : 3 Oct 2018 8:00
 Operator : JU/SJ
 Sample : J5187-16
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 09:12:38 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

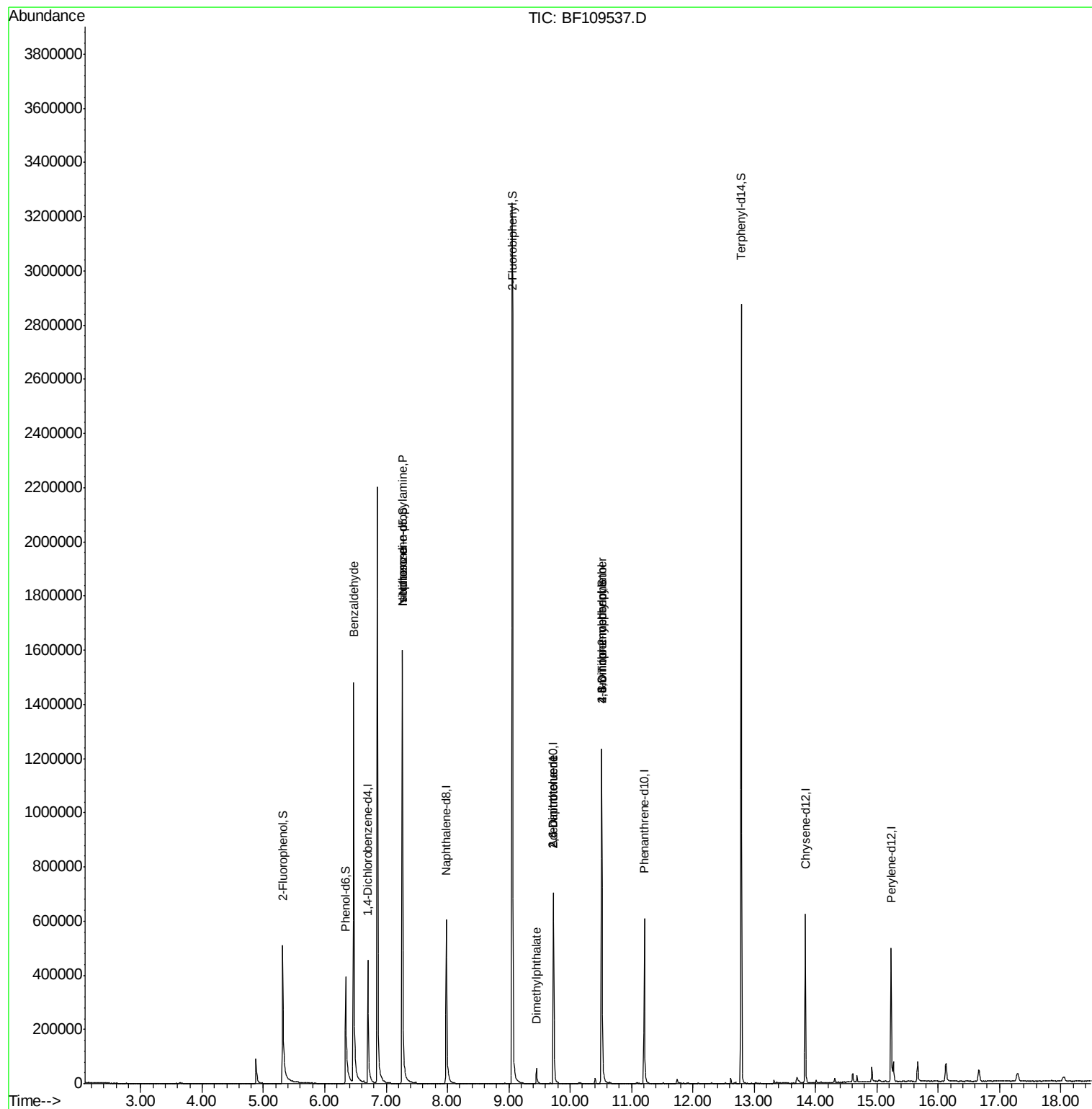
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	94965	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	356399	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	160228	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	277777	20.00	ng	0.00
75) Chrysene-d12	13.83	240	223256	20.00	ng	-0.01
86) Perylene-d12	15.23	264	238556	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	247066	42.85	ng	0.00
7) Phenol-d6	6.34	99	209366	28.46	ng	-0.02
23) Nitrobenzene-d5	7.27	82	678300	112.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	168686	106.80	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1193189	112.31	ng	-0.02
78) Terphenyl-d14	12.79	244	999851	109.91	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.47	77	11248	2.380	ng	# 66
19) n-Nitroso-di-n-propylamine	7.27	70	92245	19.135	ng	# 74
25) Isophorone	7.27	82	667977	61.441	ng	# 64
49) Dimethylphthalate	9.45	163	35159	3.017	ng	100
50) 2,6-Dinitrotoluene	9.73	165	19533	8.463	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	19533	6.688	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	145	6.632	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	9800	3.177	ng	# 1

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

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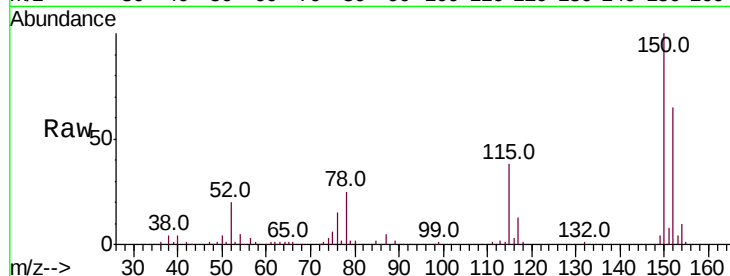


#1

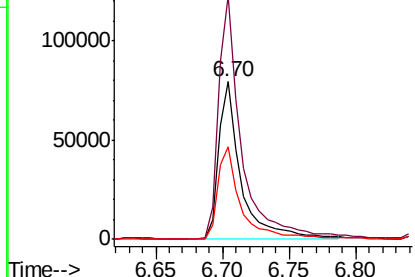
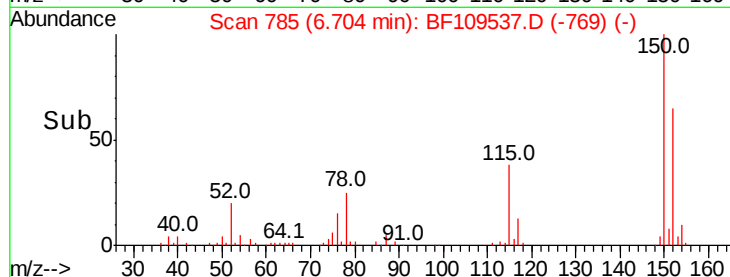
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94965
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 58.8 50.1 75.1



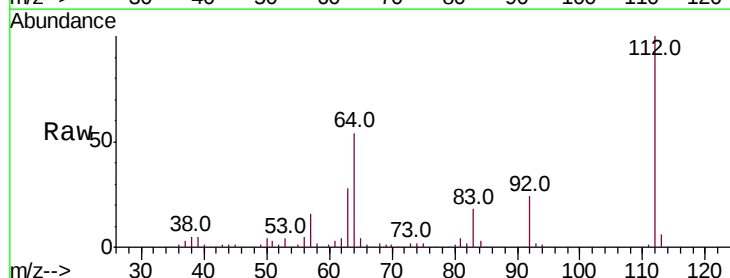
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



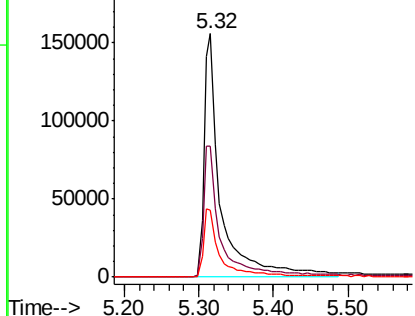
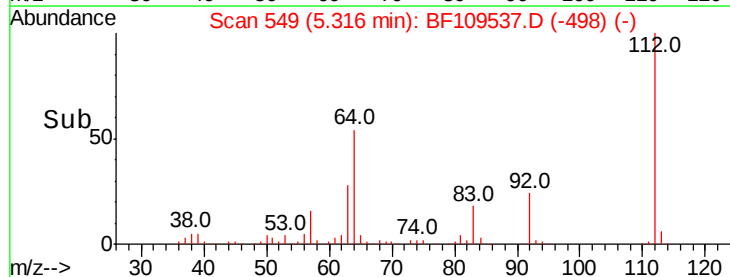
#5

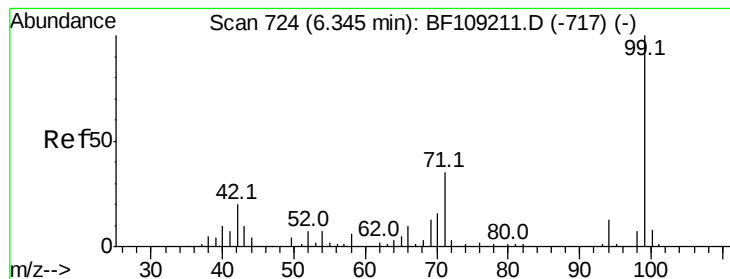
2-Fluorophenol
Concen: 42.851 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

Tgt Ion:112 Resp: 247066
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 27.7 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: 28.457 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109537.D

Acq: 3 Oct 2018 8:00

Instrument :

BNA_F

ClientSampled :

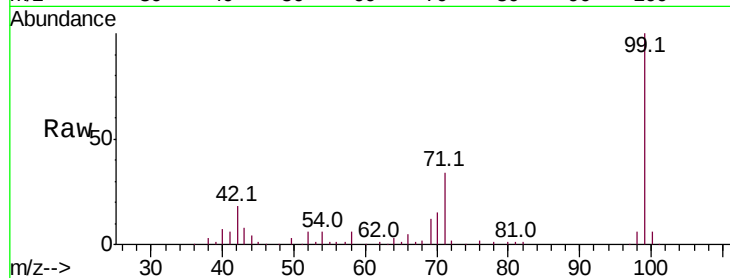
Tot Ion: 99 Resp: 209366

Ion Ratio Lower Upper

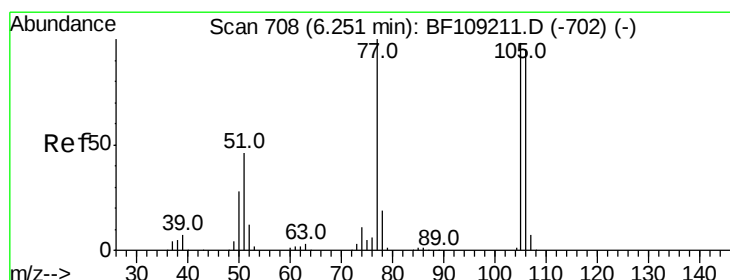
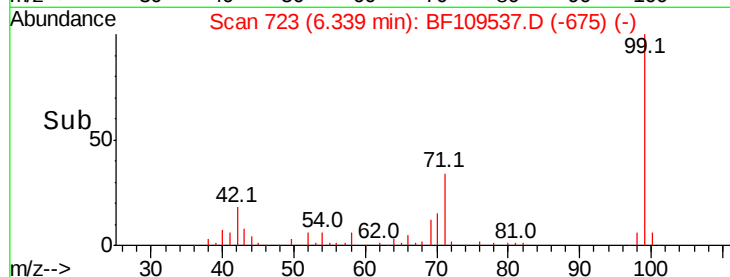
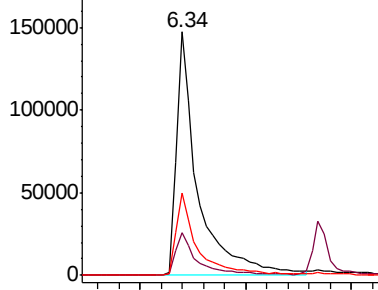
99 100

42 17.5 14.5 21.7

71 33.7 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: 2.380 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.22 min

Lab File: BF109537.D

Acq: 3 Oct 2018 8:00

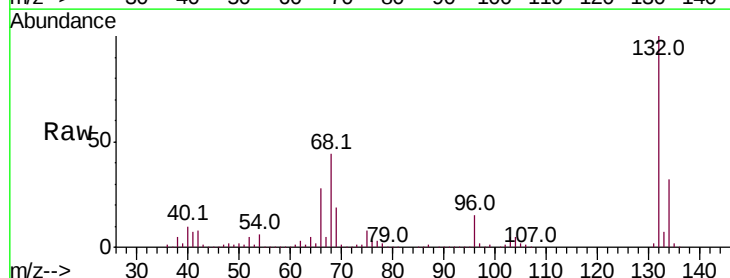
Tgt Ion: 77 Resp: 11248

Ion Ratio Lower Upper

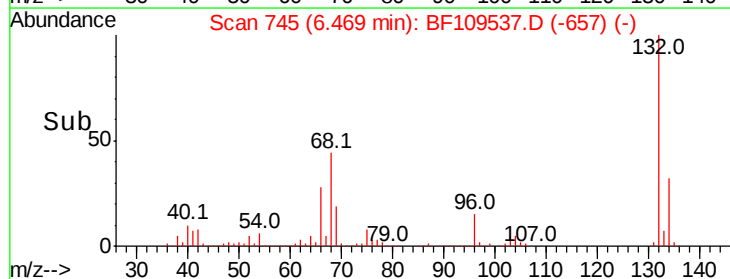
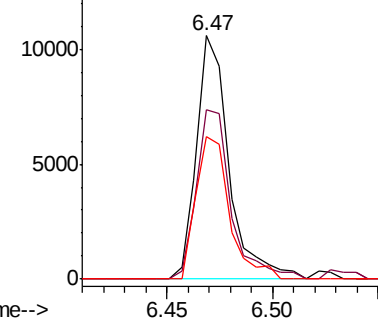
77 100

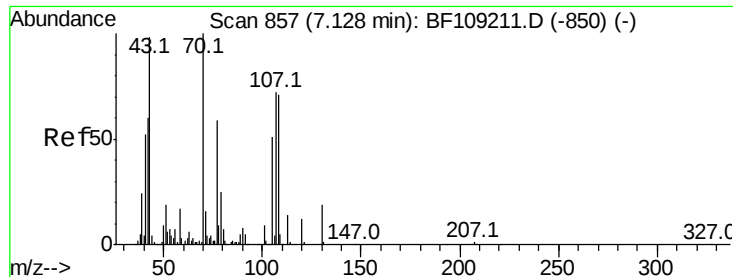
105 69.5 81.1 121.1#

106 58.3 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

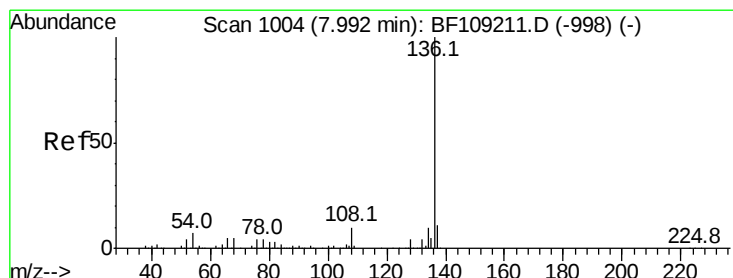
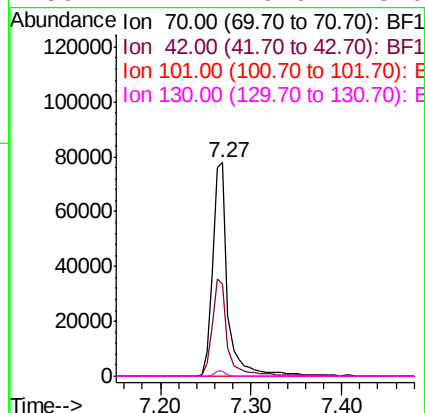
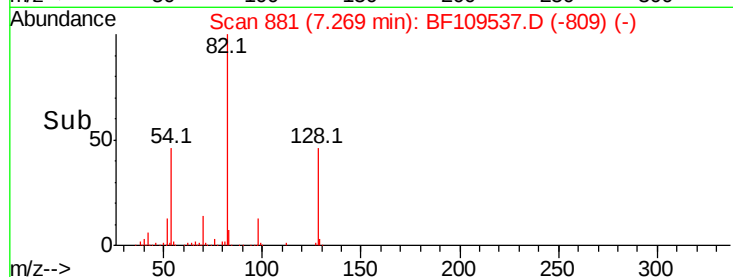
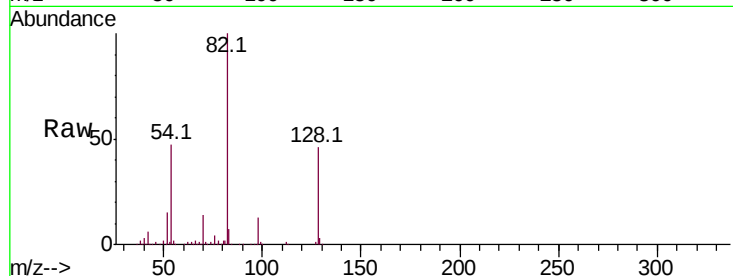




#19
n-Nitroso-di-n-propylamine
Concen: 19.135 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

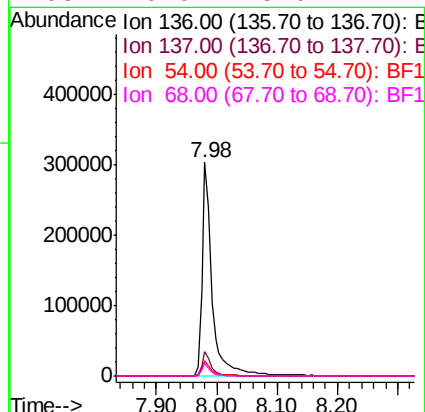
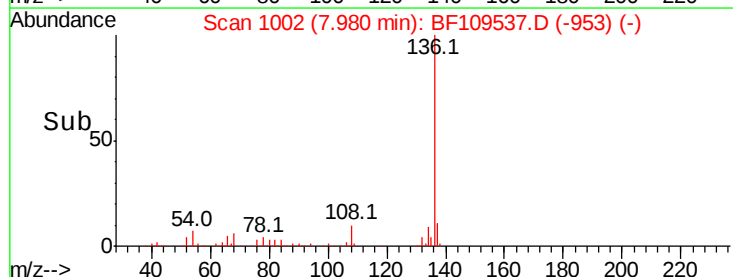
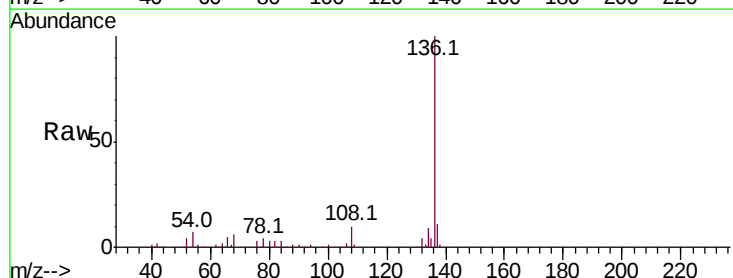
Instrument :
BNA_F
ClientSampled :

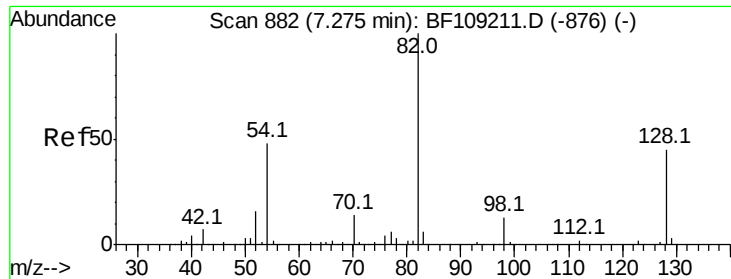
Tot Ion: 70 Resp: 92245
Ion Ratio Lower Upper
70 100
42 43.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

Tgt Ion: 136 Resp: 356399
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.0 6.6 9.8
68 6.0 5.0 7.4

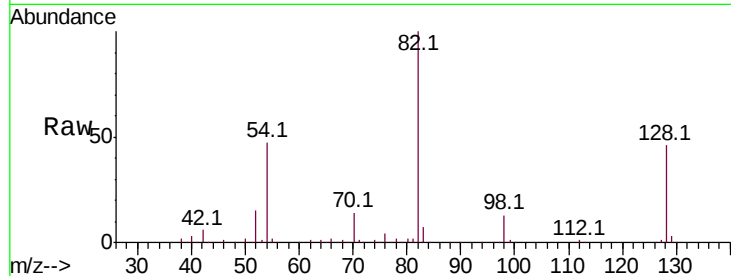




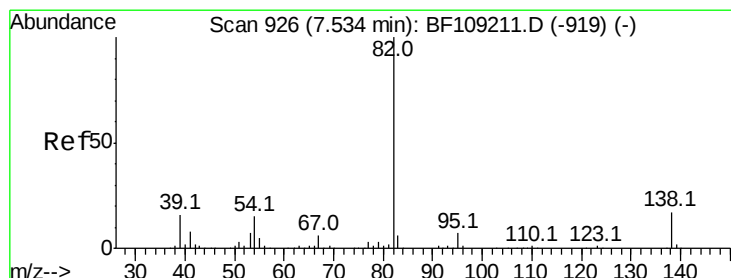
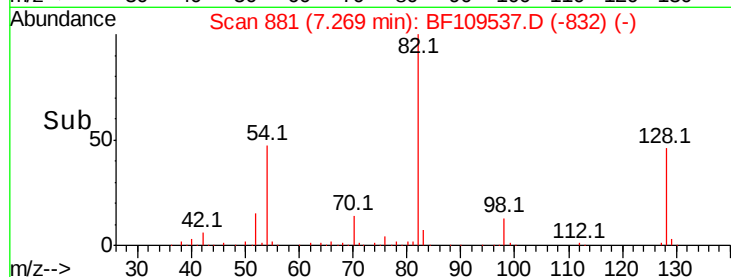
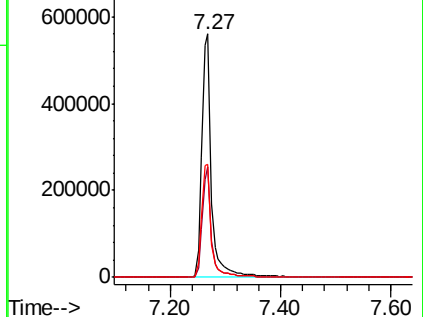
#23
Nitrobenzene-d5
Concen: 112.349 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	46.5	41.4	62.2

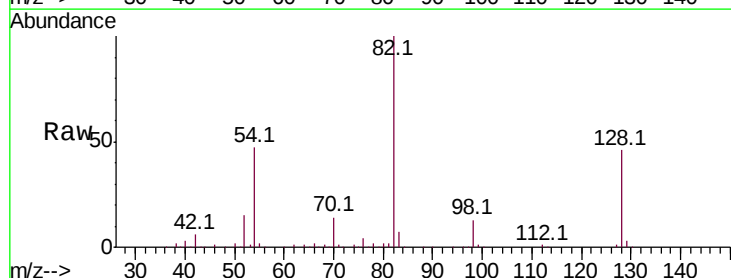


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

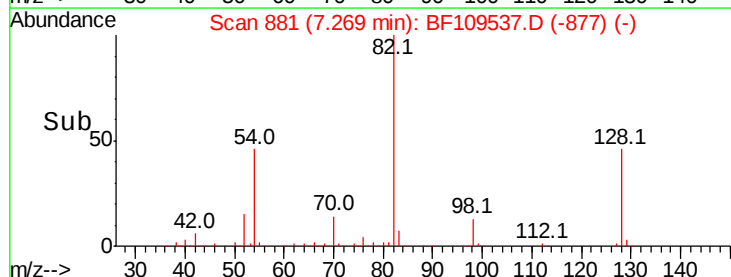
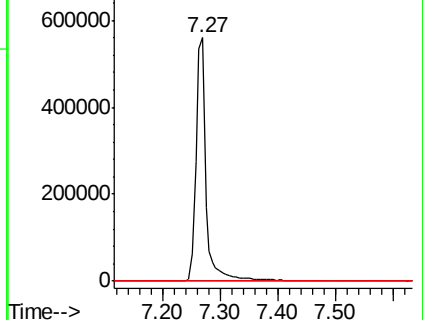


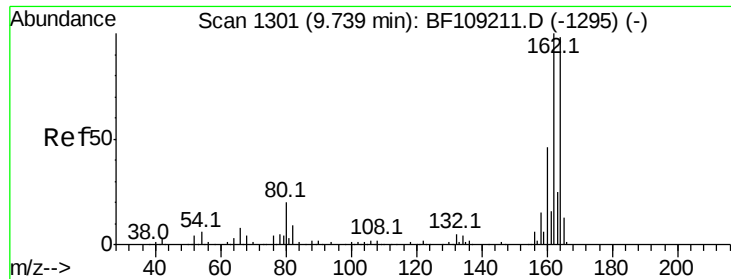
#25
Isophorone
Concen: 61.441 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

Tgt 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

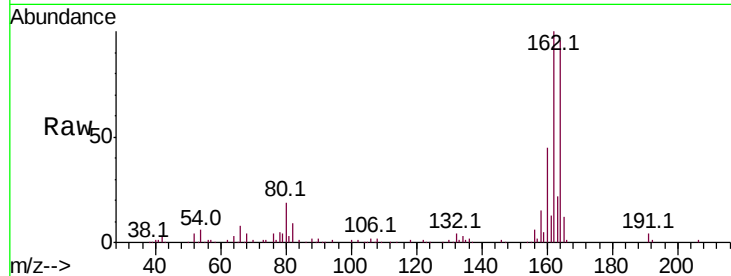




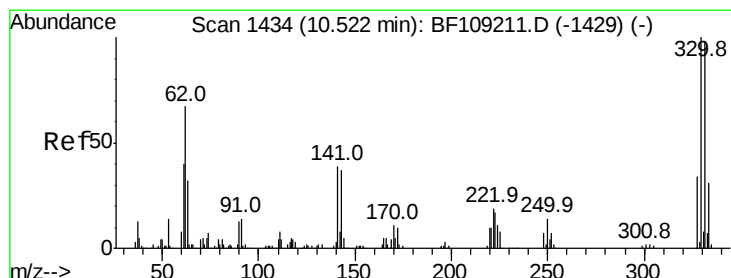
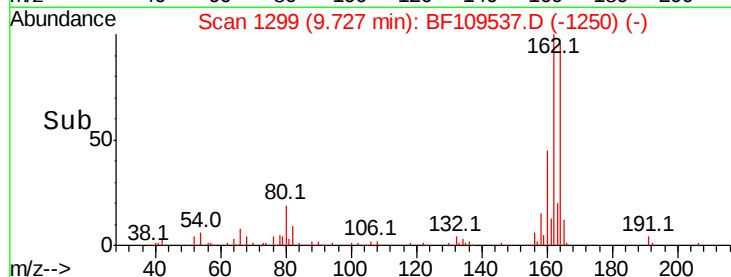
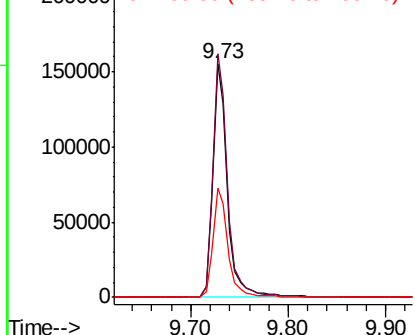
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF109537.D
 Acq: 3 Oct 2018 8:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 160228
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 46.7 38.3 57.5

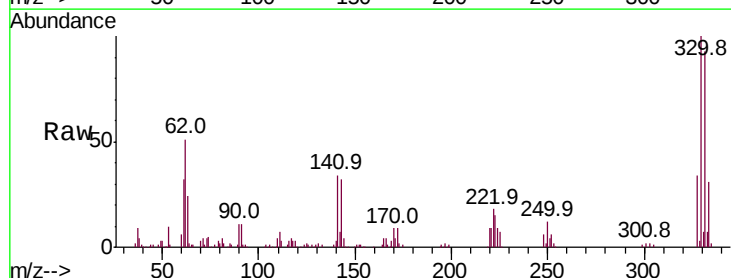


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

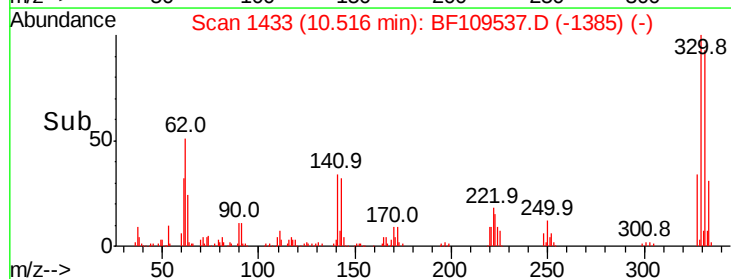
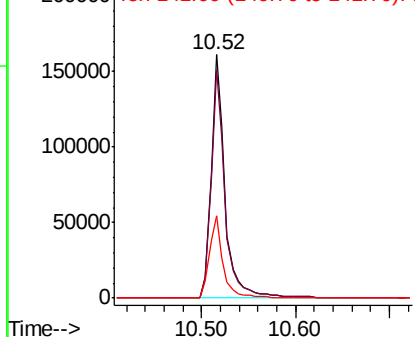


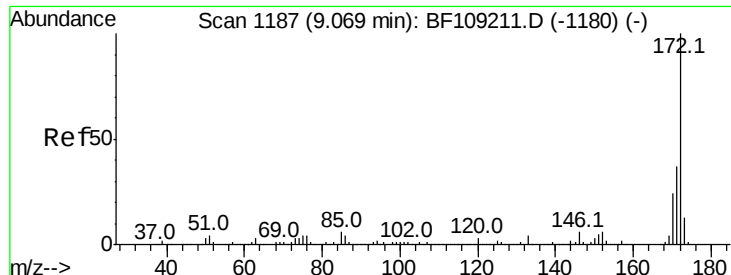
#41
 2,4,6-Tribromophenol
 Concen: 106.796 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109537.D
 Acq: 3 Oct 2018 8:00

Tgt Ion:330 Resp: 168686
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.0 115.6
 141 33.6 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

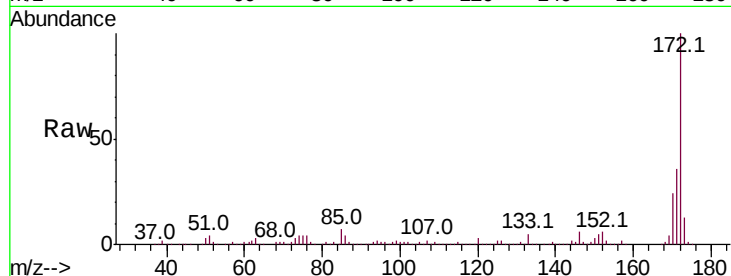




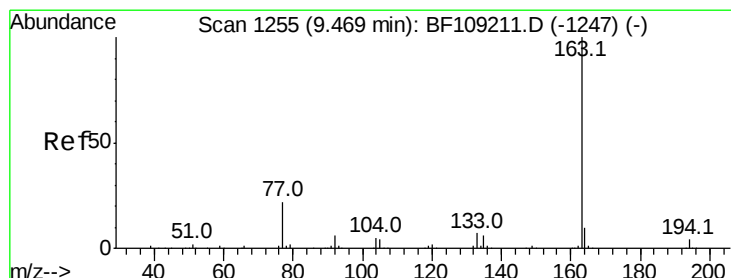
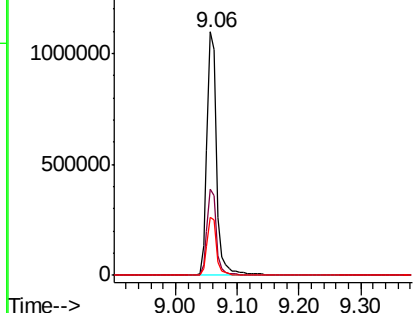
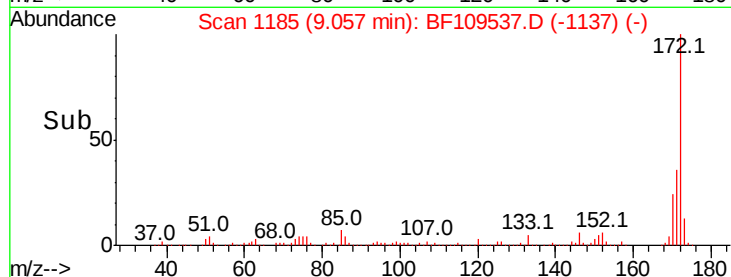
#44
2-Fluorobiphenyl
Concen: 112.312 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1193189
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 24.0 19.6 29.4

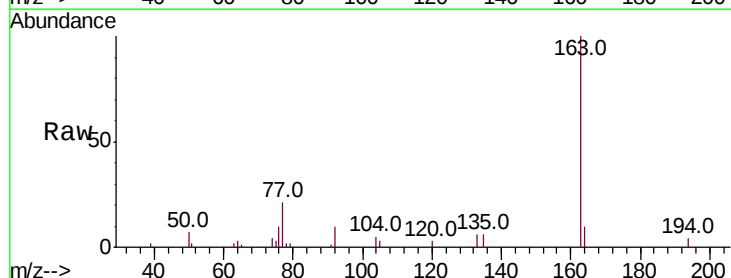


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

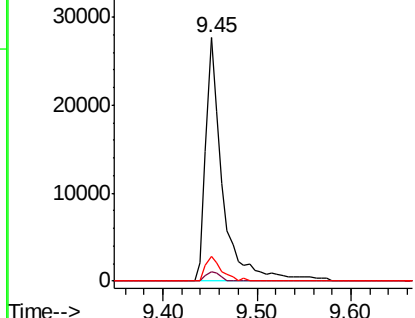
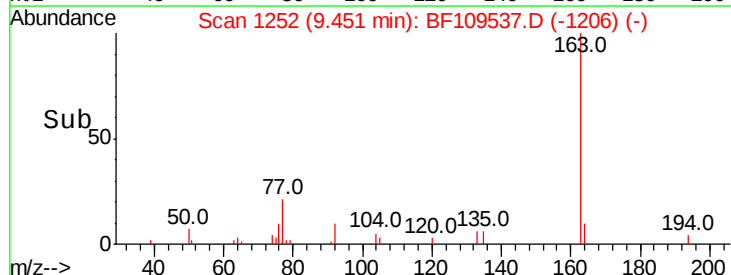


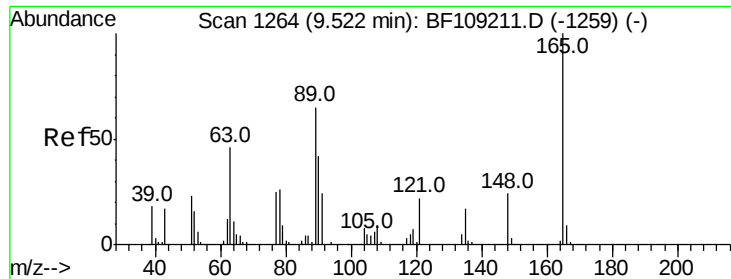
#49
Dimethylphthalate
Concen: 3.017 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

Tgt Ion:163 Resp: 35159
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.2 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

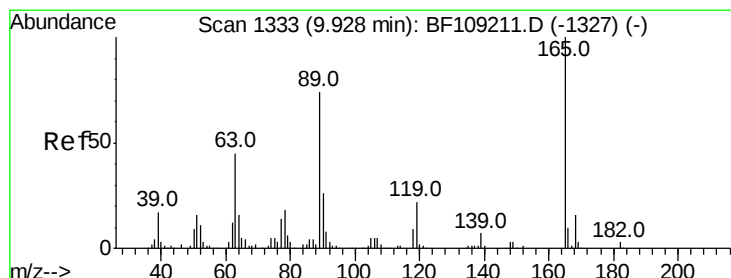
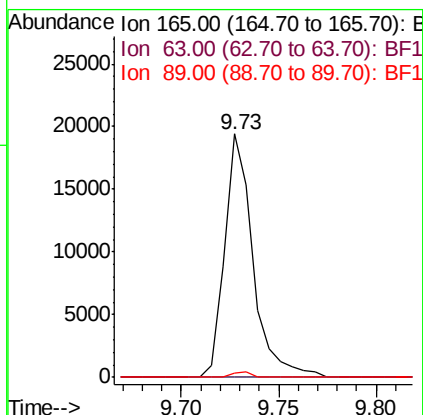
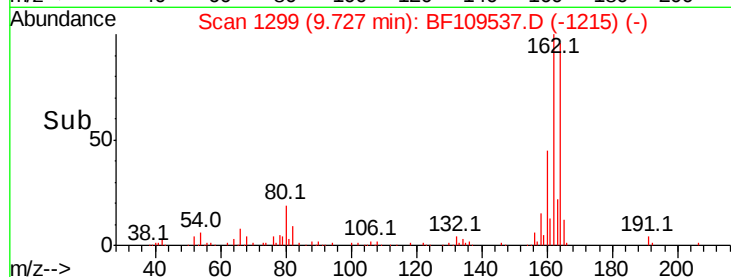
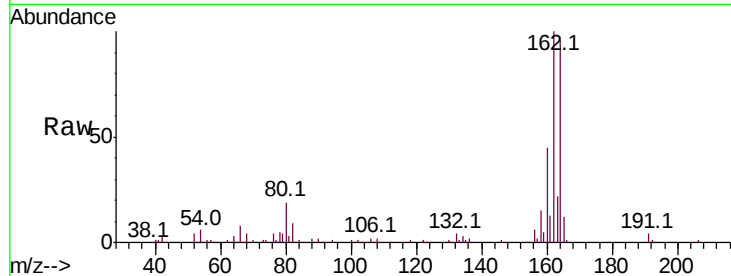




#50
 2,6-Dinitrotoluene
 Concen: 8.463 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF109537.D
 Acq: 3 Oct 2018 8:00

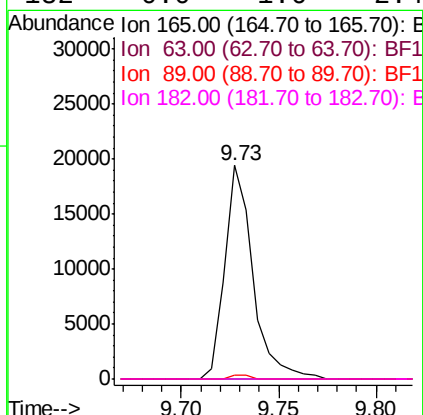
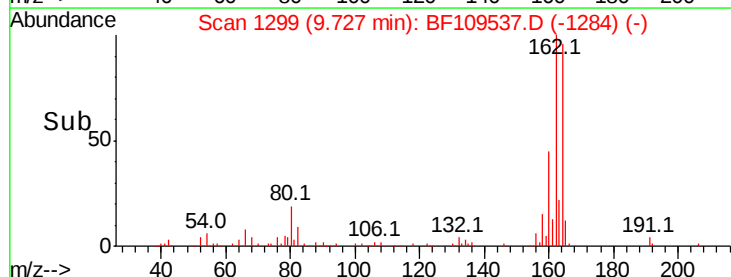
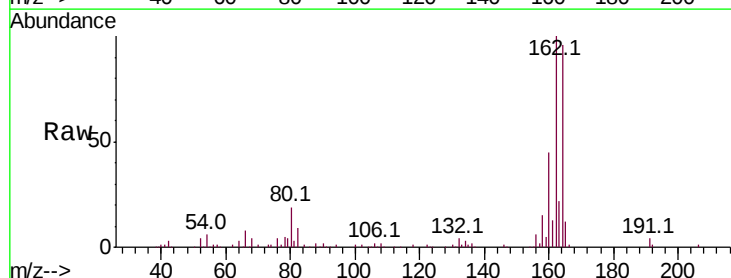
Instrument :
 BNA_F
 ClientSampled :

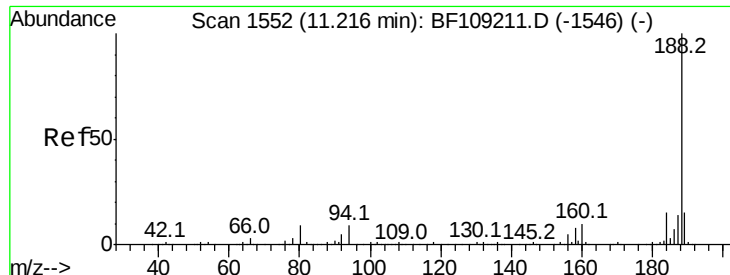
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.8	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.688 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109537.D
 Acq: 3 Oct 2018 8:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.8	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: BF109537.D

Acq: 3 Oct 2018 8:00

Instrument :

BNA_F

ClientSampleId :

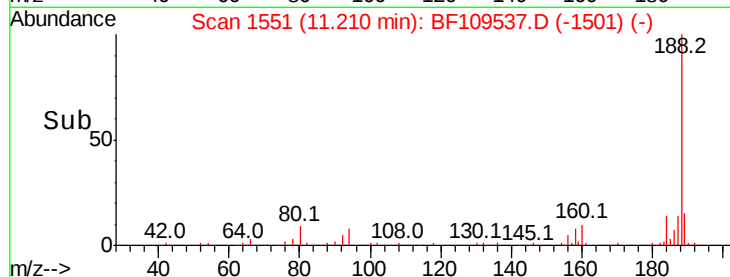
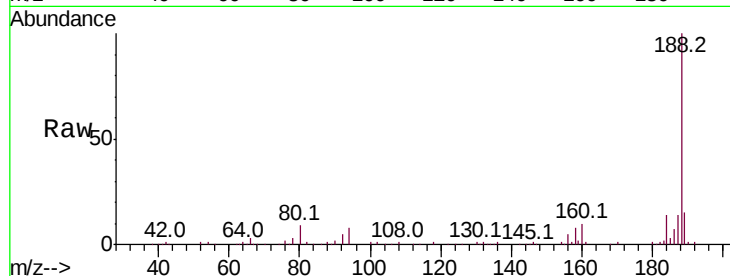
Tot Ion:188 Resp: 277777

Ion Ratio Lower Upper

188 100

94 8.1 8.5 12.7#

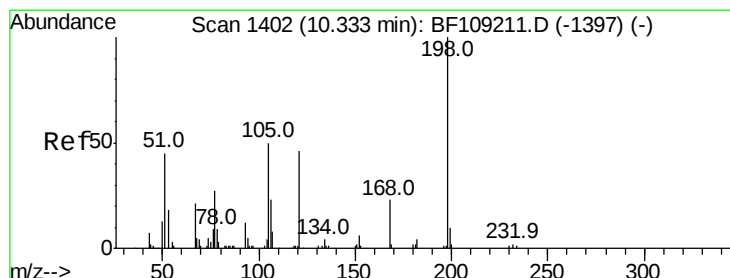
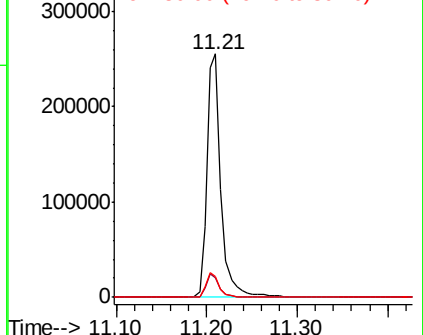
80 8.8 9.2 13.8#



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: 6.632 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.17 min

Lab File: BF109537.D

Acq: 3 Oct 2018 8:00

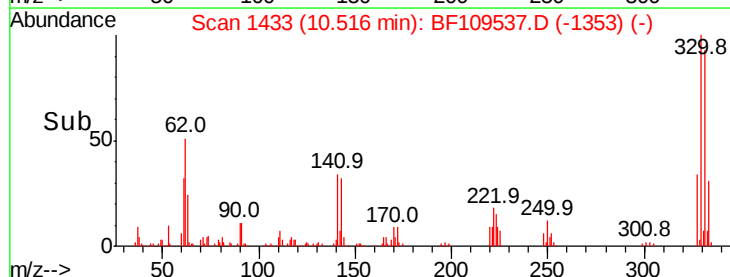
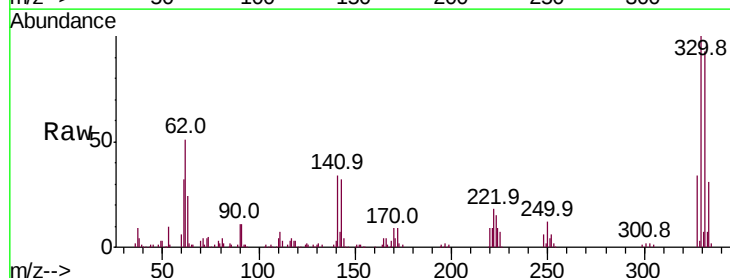
Tgt Ion:198 Resp: 145

Ion Ratio Lower Upper

198 100

51 159.0 37.7 77.7#

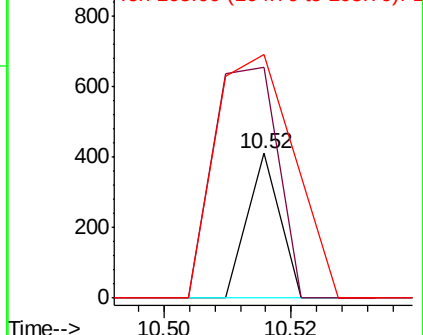
105 168.0 36.3 76.3#

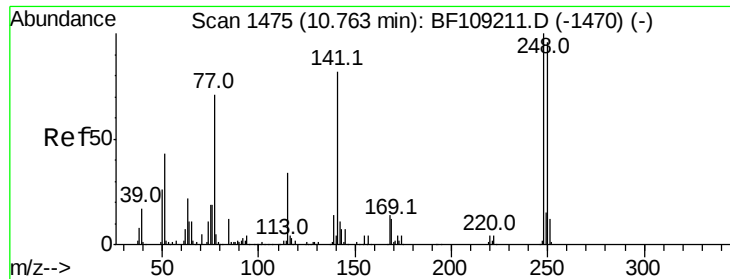


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

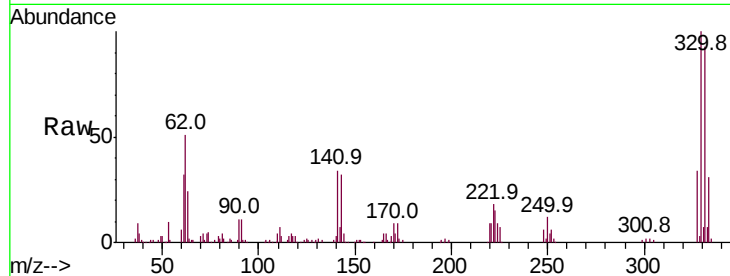




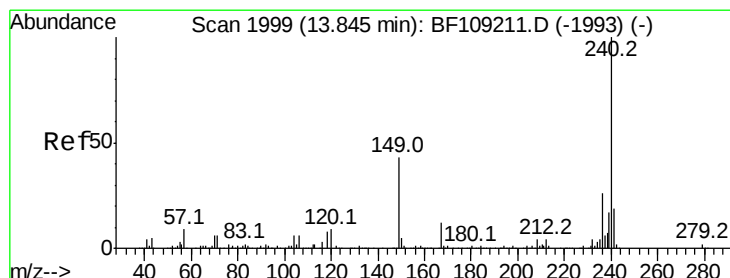
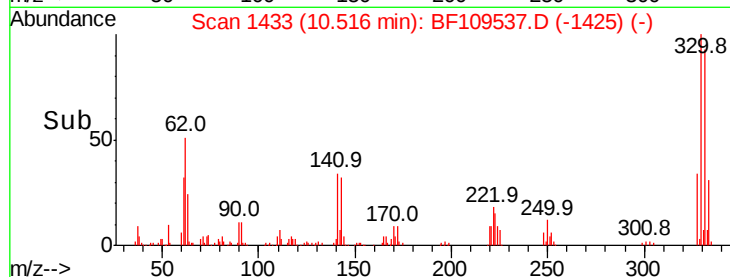
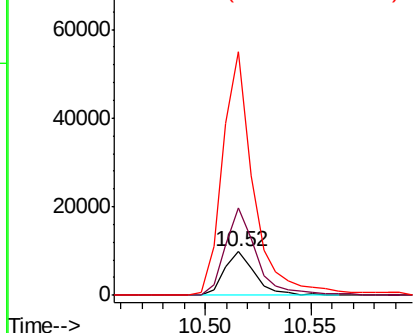
#66
4-Bromophenyl-phenylether
Concen: 3.177 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9800
Ion Ratio Lower Upper
248 100
250 202.2 76.9 115.3#
141 560.7 74.4 111.6#

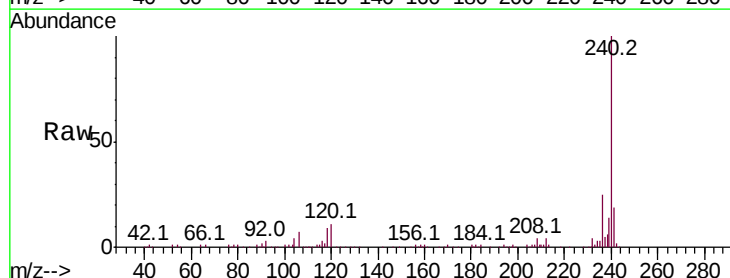


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

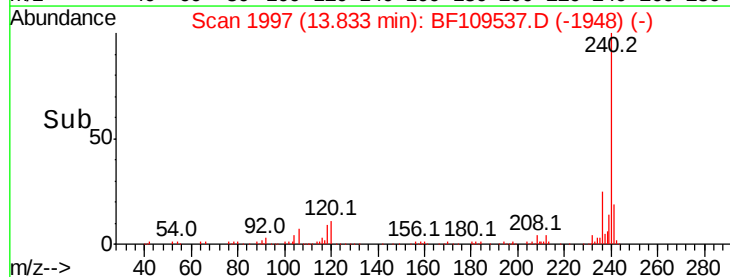
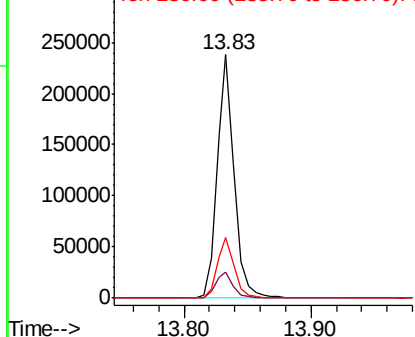


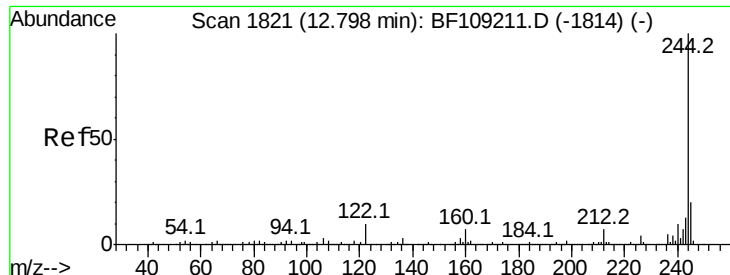
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF109537.D
Acq: 3 Oct 2018 8:00

Tgt Ion:240 Resp: 223256
Ion Ratio Lower Upper
240 100
120 10.6 9.5 14.3
236 25.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

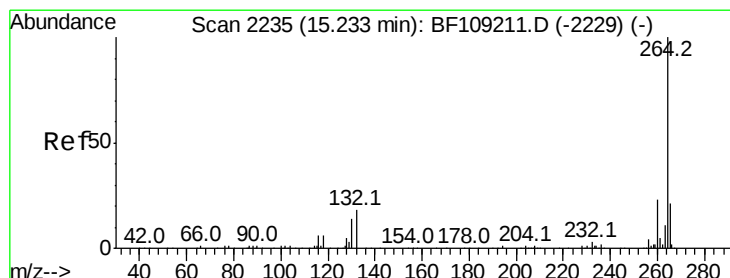
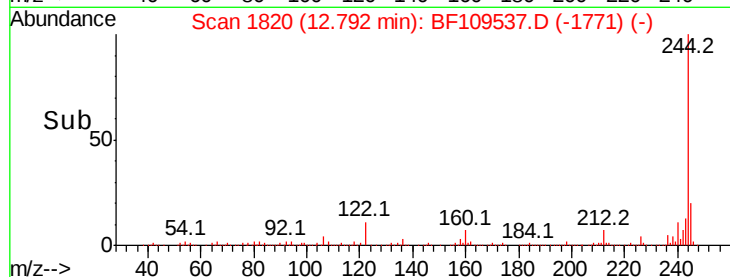
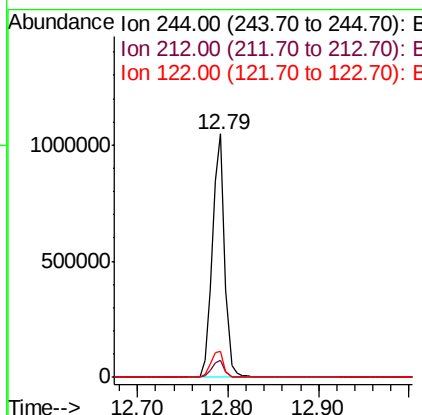
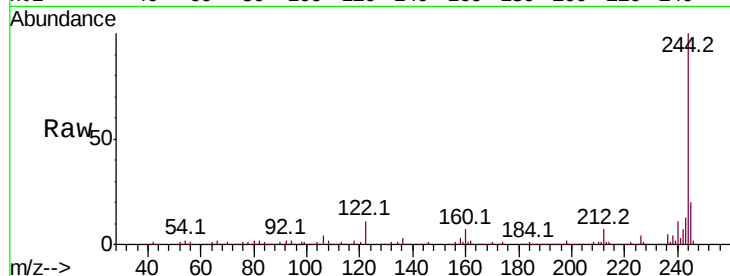




#78
 Terphenyl-d14
 Concen: 109.910 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109537.D
 Acq: 3 Oct 2018 8:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 999851
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 10.8 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF109537.D
 Acq: 3 Oct 2018 8:00

Tgt Ion:264 Resp: 238556
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.5 17.5 26.3

