

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109225.D
 Acq On : 22 Sep 2018 17:01
 Operator : JU/SJ
 Sample : J5004-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:48:39 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

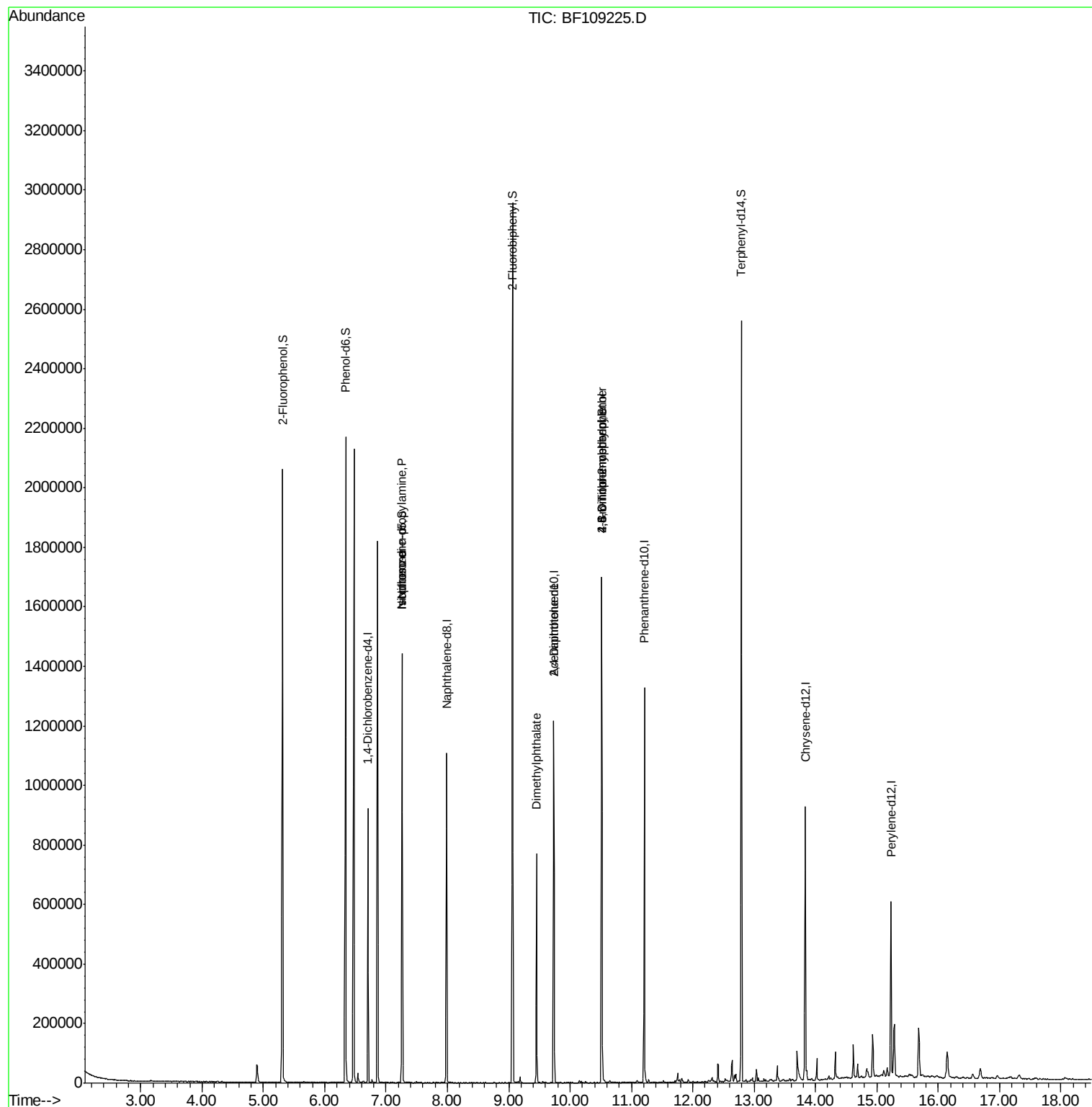
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	117973	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	454879	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	222908	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	432334	20.00	ng	0.00
75) Chrysene-d12	13.83	240	283960	20.00	ng	-0.01
86) Perylene-d12	15.23	264	257457	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	568094	79.31	ng	0.00
7) Phenol-d6	6.34	99	733652	80.27	ng	-0.02
23) Nitrobenzene-d5	7.26	82	458593	59.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	180397	82.10	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	822923	55.68	ng	-0.01
78) Terphenyl-d14	12.79	244	828099	71.57	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	61362	10.246	ng	# 80
25) Isophorone	7.26	82	408875	29.466	ng	# 64
49) Dimethylphthalate	9.45	163	292703	18.054	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	27786	6.839	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	341	6.690	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	11389	2.372	ng	# 1

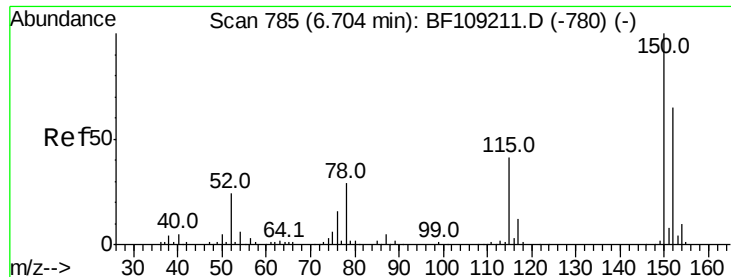
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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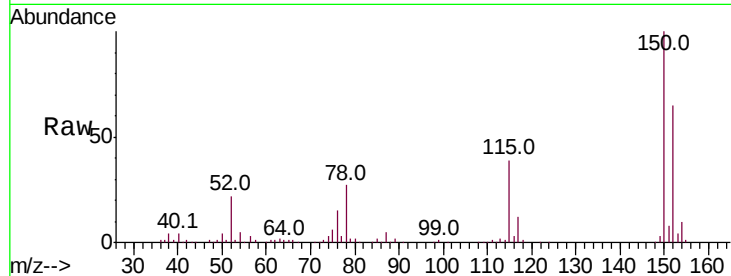


#1

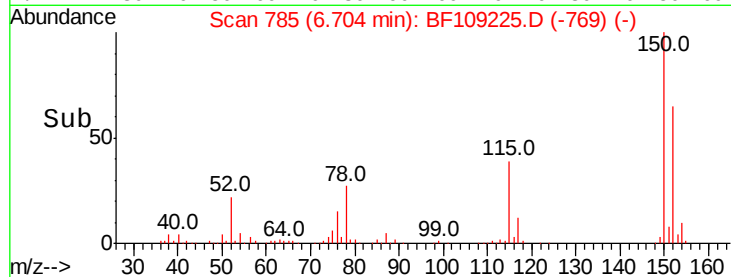
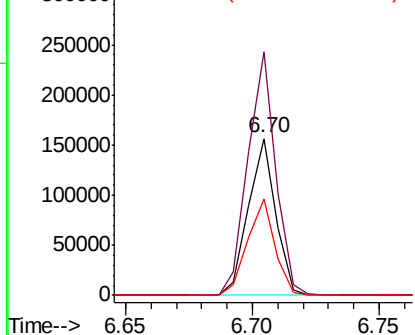
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109225.D
Acq: 22 Sep 2018 17:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117973
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 61.0 50.1 75.1



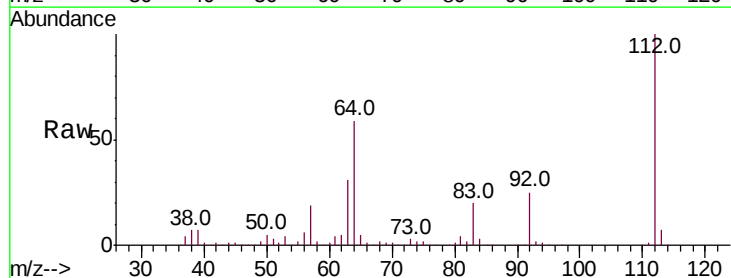
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



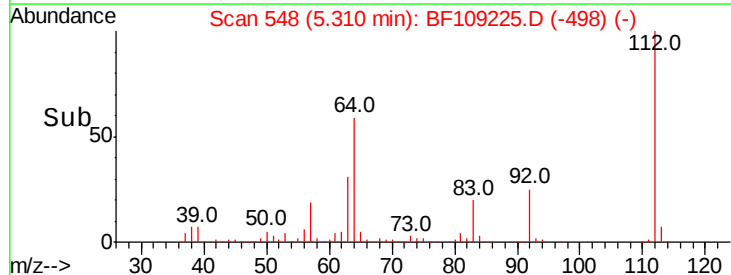
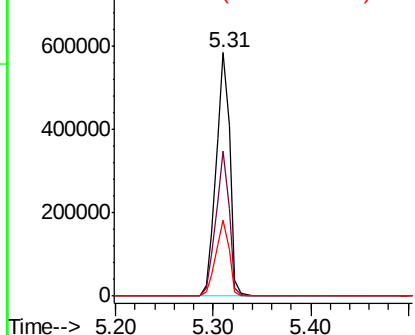
#5

2-Fluorophenol
Concen: 79.314 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109225.D
Acq: 22 Sep 2018 17:01

Tgt Ion:112 Resp: 568094
Ion Ratio Lower Upper
112 100
64 59.4 47.9 71.9
63 31.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 80.271 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109225.D

Acq: 22 Sep 2018 17:01

Instrument :

BNA_F

ClientSampleId :

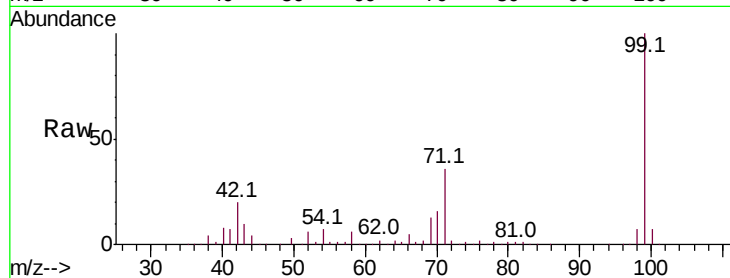
Tot Ion: 99 Resp: 733652

Ion Ratio Lower Upper

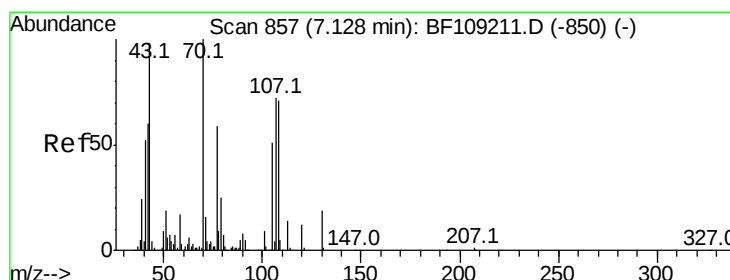
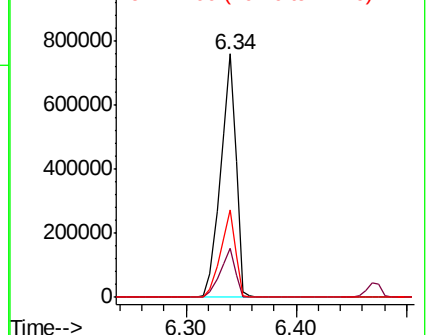
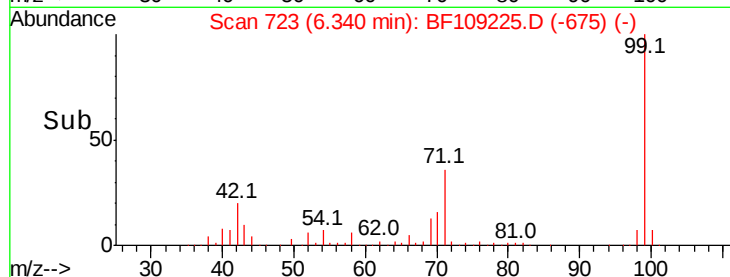
99 100

42 20.3 14.5 21.7

71 36.2 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: 10.246 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109225.D

Acq: 22 Sep 2018 17:01

Tgt Ion: 70 Resp: 61362

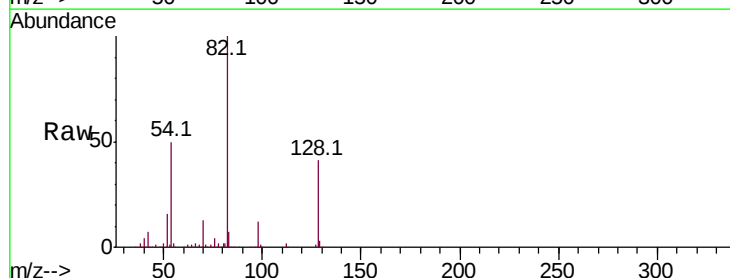
Ion Ratio Lower Upper

70 100

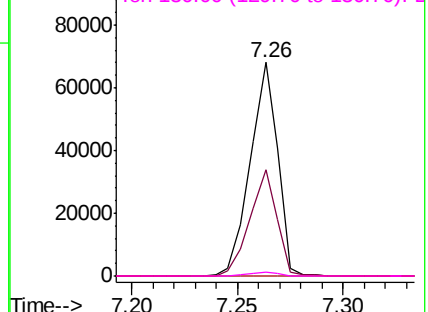
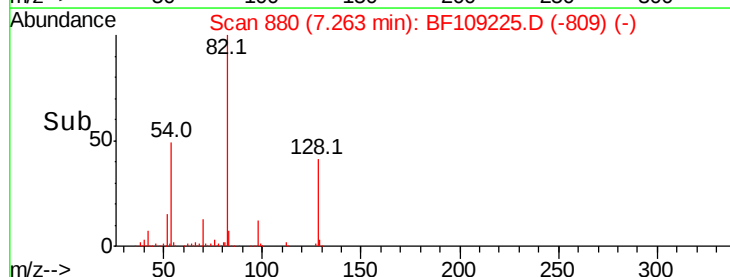
42 49.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109225.D

Acq: 22 Sep 2018 17:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 454879

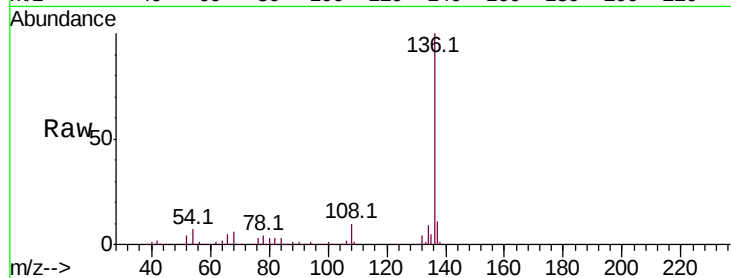
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.0 6.6 9.8

68 5.5 5.0 7.4

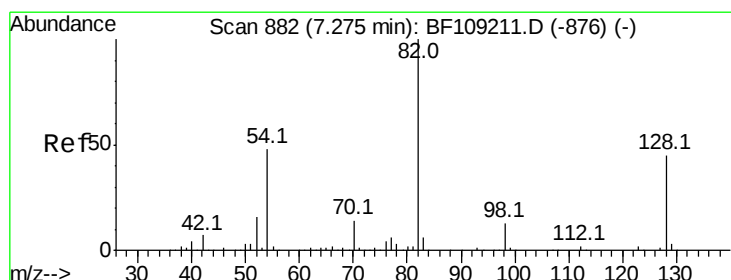
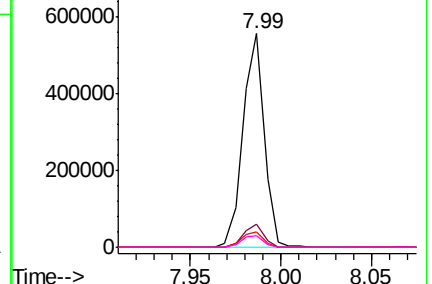
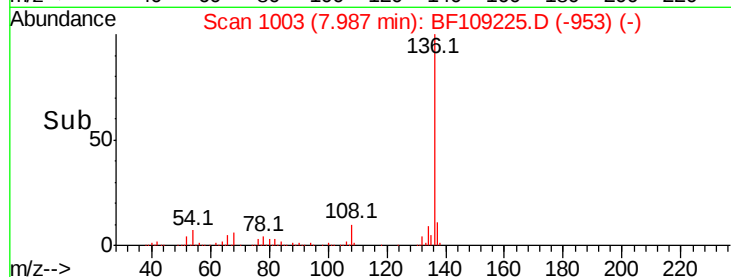


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.513 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109225.D

Acq: 22 Sep 2018 17:01

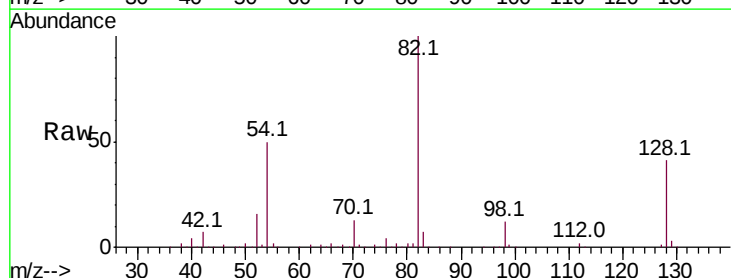
Tgt Ion: 82 Resp: 458593

Ion Ratio Lower Upper

82 100

128 41.4 36.1 54.1

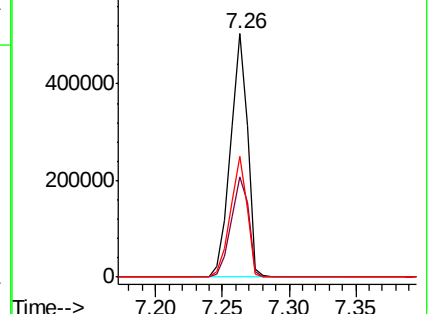
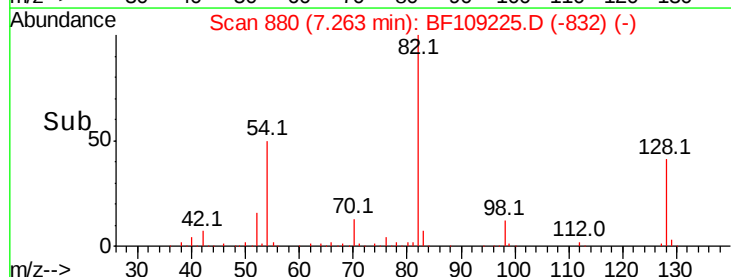
54 49.7 41.4 62.2

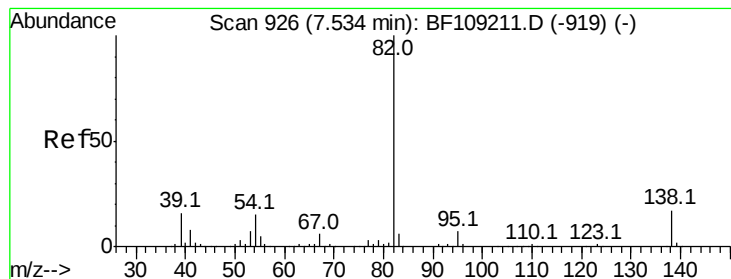


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.466 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109225.D

Acq: 22 Sep 2018 17:01

Instrument :

BNA_F

ClientSampleId :

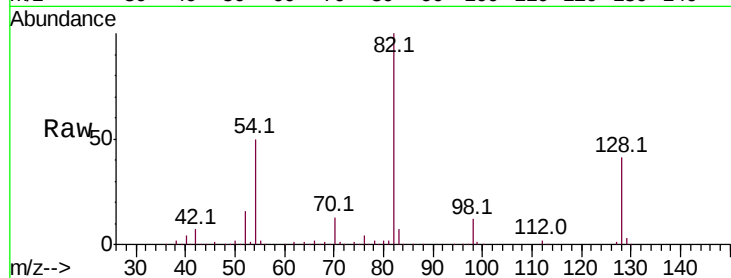
Tot Ion: 82 Resp: 408875

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

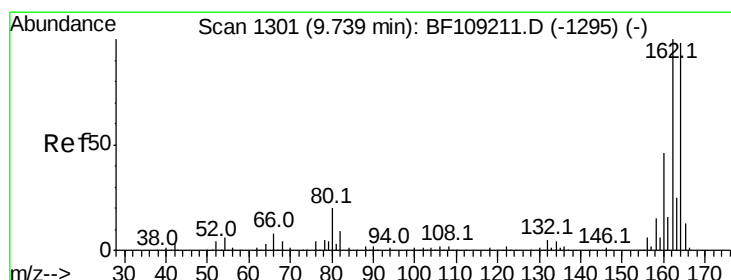
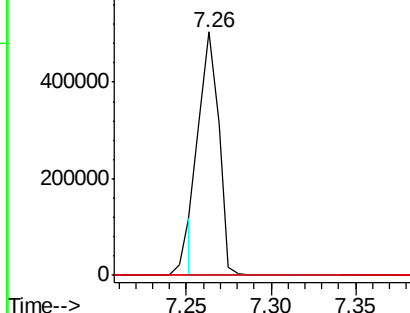
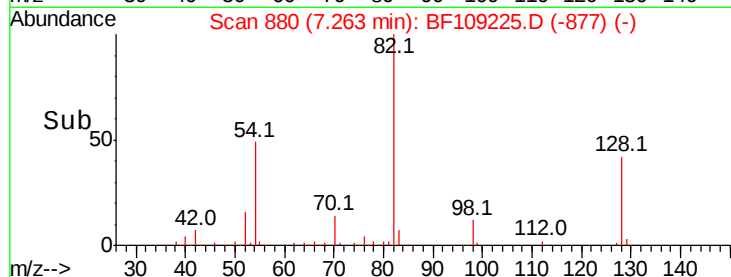
138 0.0 14.9 22.3#



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# 1300

Delta R.T. -0.01 min

Lab File: BF109225.D

Acq: 22 Sep 2018 17:01

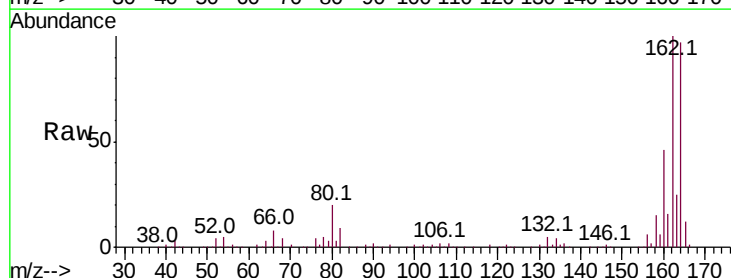
Tgt Ion:164 Resp: 222908

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

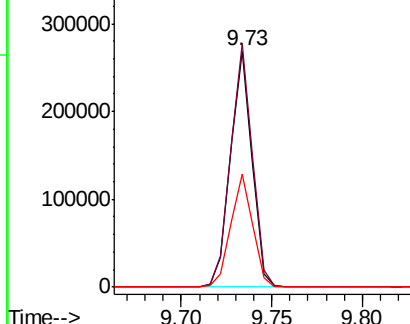
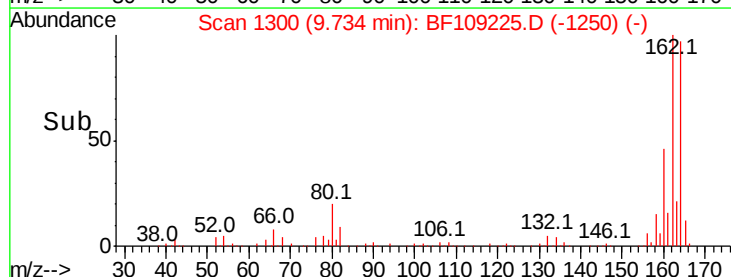
160 47.7 38.3 57.5

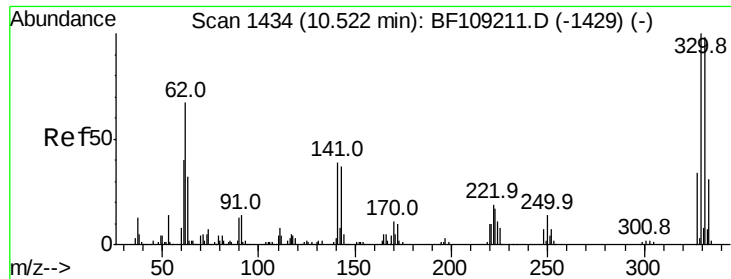


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

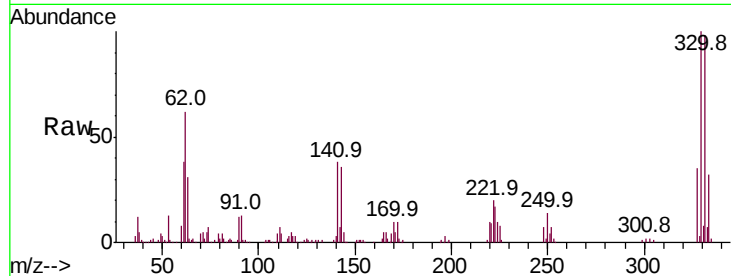




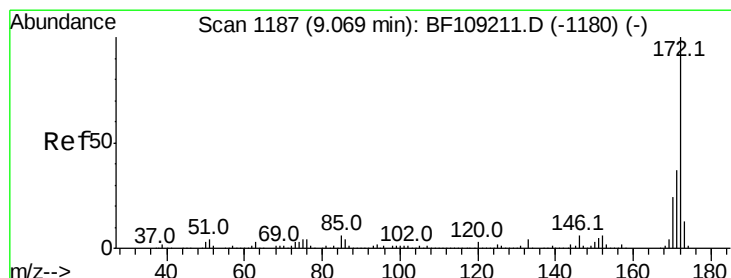
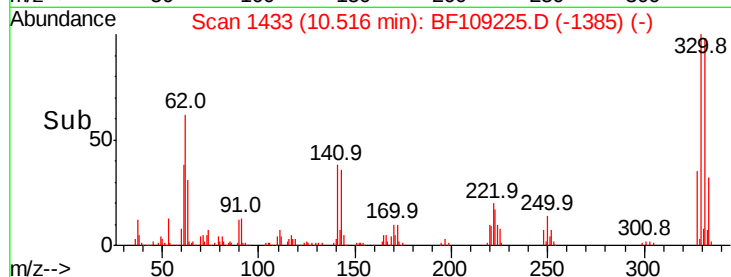
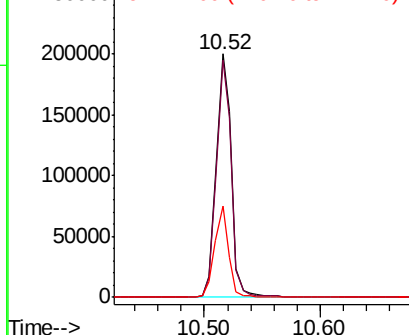
#41
 2,4,6-Tribromophenol
 Concen: 82.095 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109225.D
 Acq: 22 Sep 2018 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	34.7	29.9	44.9

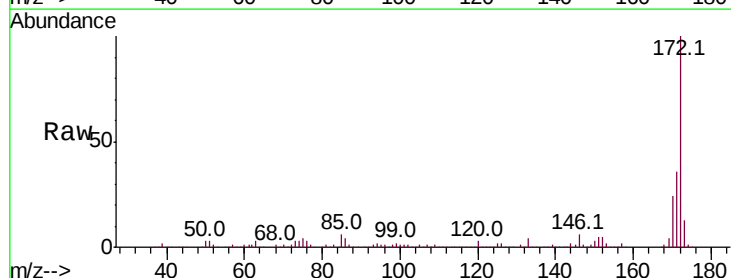


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

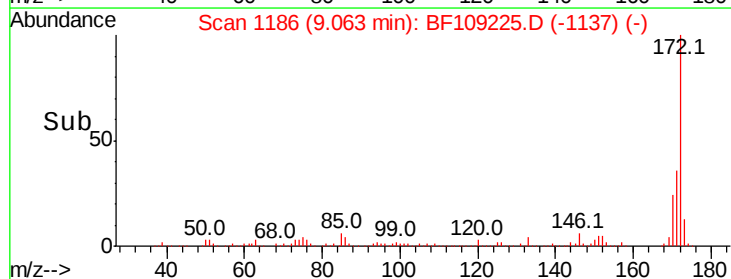
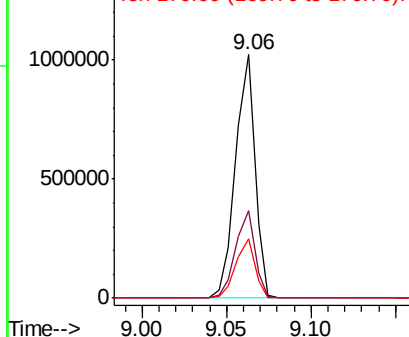


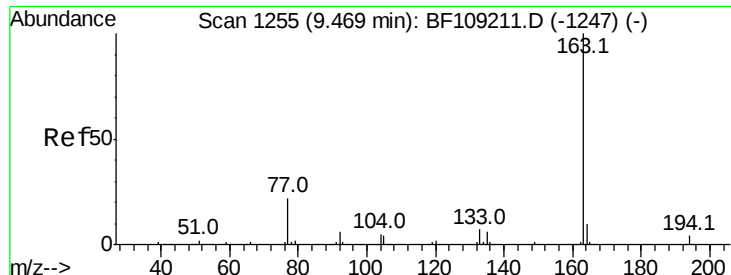
#44
 2-Fluorobiphenyl
 Concen: 55.679 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109225.D
 Acq: 22 Sep 2018 17:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.4	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

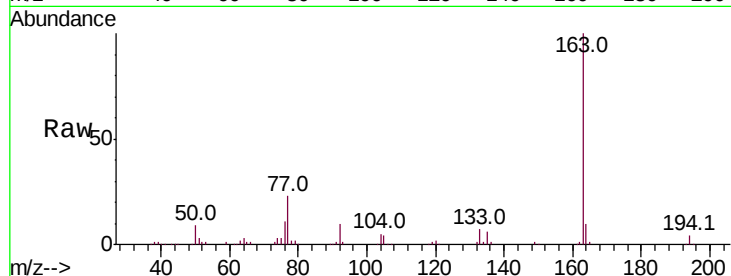




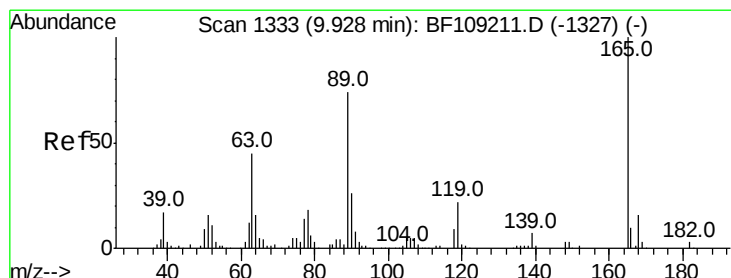
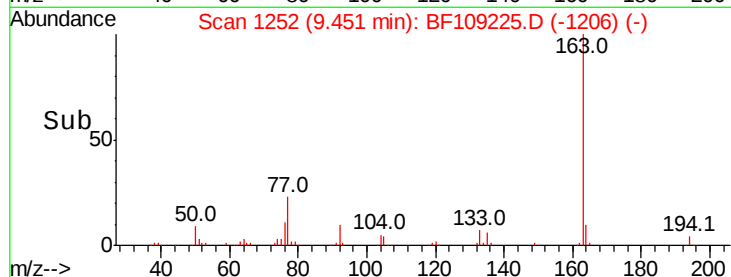
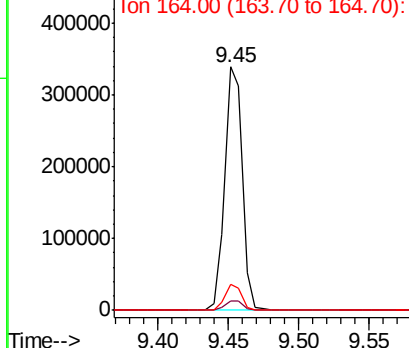
#49
Dimethylphthalate
Concen: 18.054 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109225.D
Acq: 22 Sep 2018 17:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.4	8.2	12.2

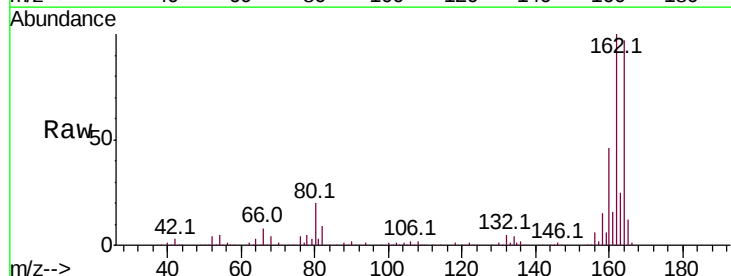


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

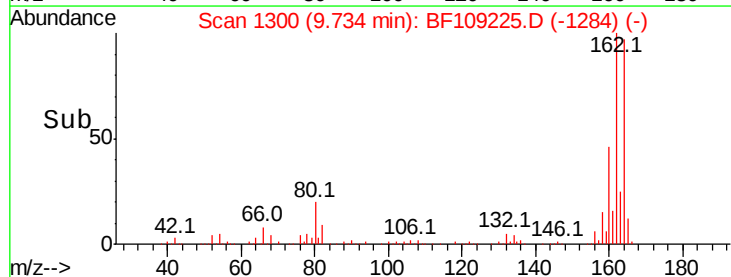
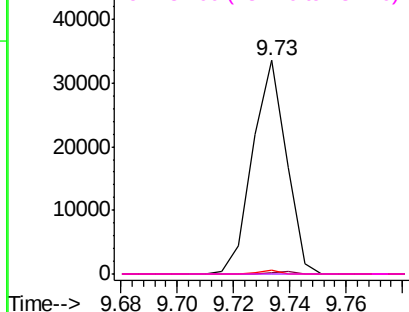


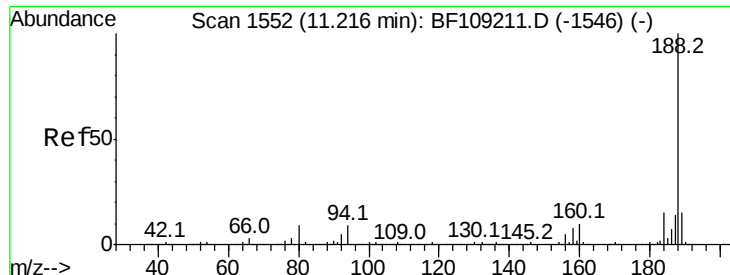
#56
2,4-Dinitrotoluene
Concen: 6.839 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109225.D
Acq: 22 Sep 2018 17:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.8	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: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF109225.D

Acq: 22 Sep 2018 17:01

Instrument :

BNA_F

ClientSampleId :

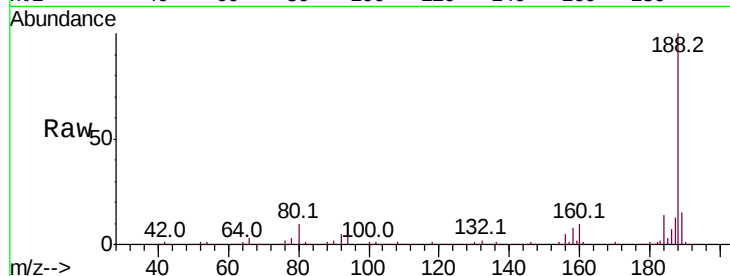
Tot Ion:188 Resp: 432334

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

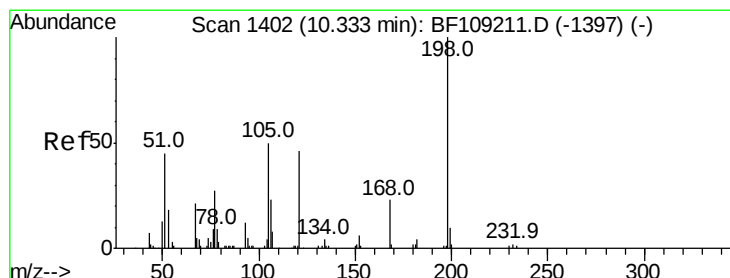
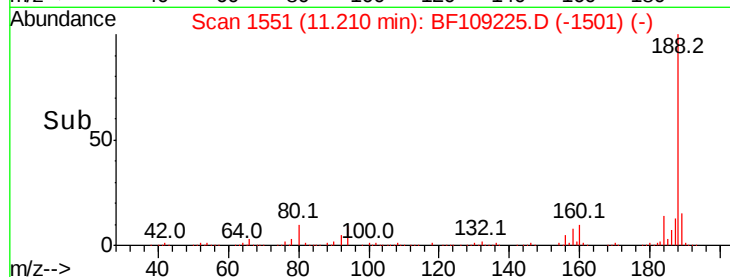
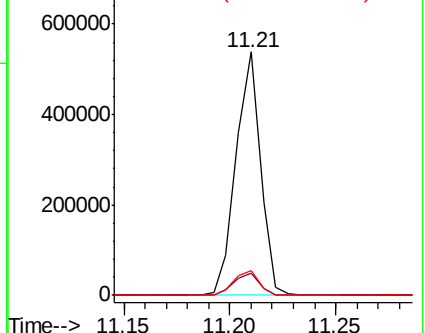
80 10.1 9.2 13.8



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: 6.690 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.17 min

Lab File: BF109225.D

Acq: 22 Sep 2018 17:01

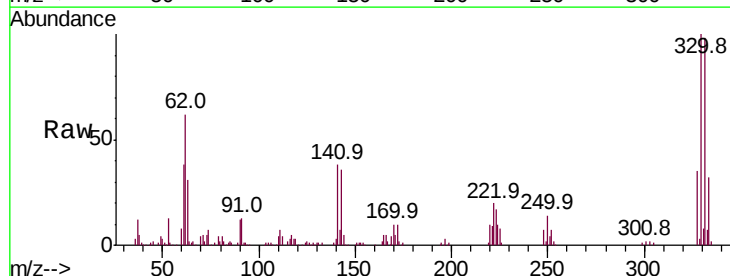
Tgt Ion:198 Resp: 341

Ion Ratio Lower Upper

198 100

51 180.3 37.7 77.7#

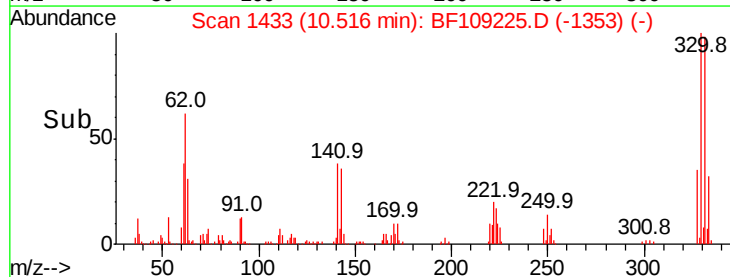
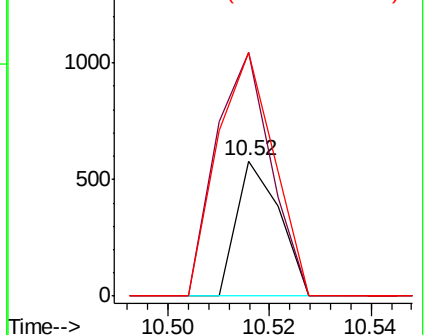
105 180.1 36.3 76.3#

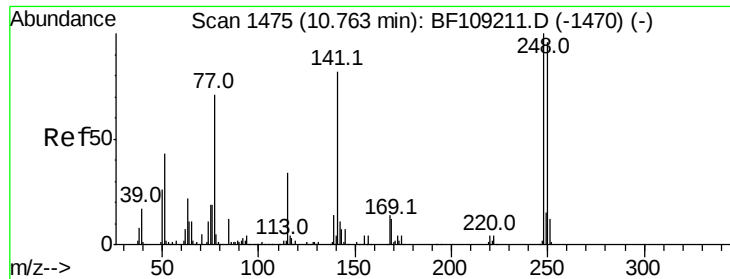


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

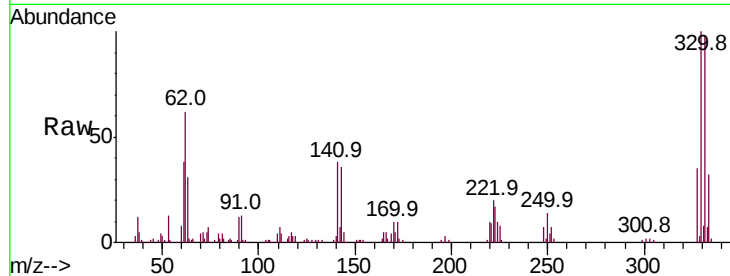




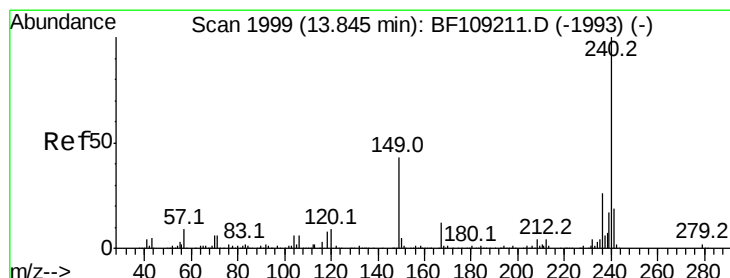
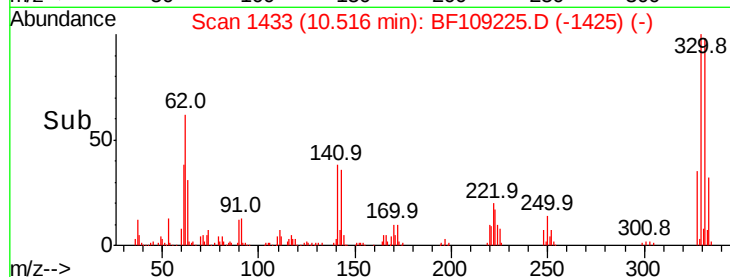
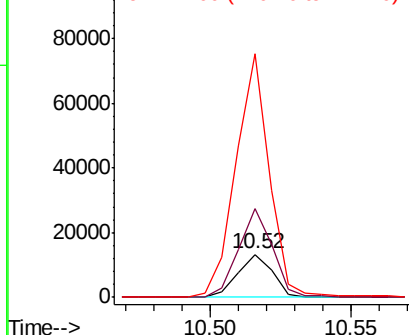
#66
 4-Bromophenyl-phenylether
 Concen: 2.372 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF109225.D
 Acq: 22 Sep 2018 17:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11389
 Ion Ratio Lower Upper
 248 100
 250 204.6 76.9 115.3#
 141 564.3 74.4 111.6#

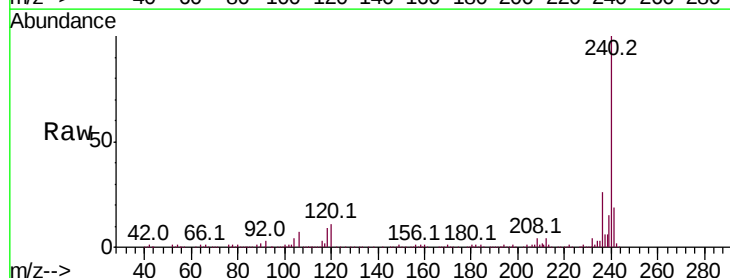


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

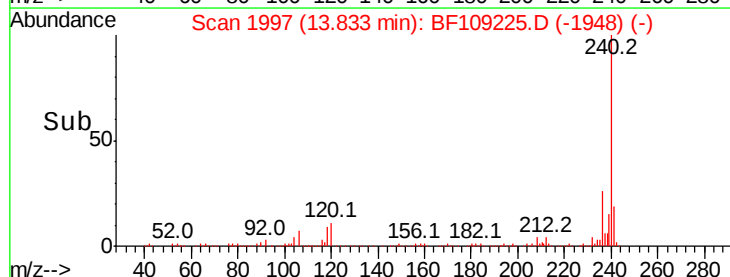
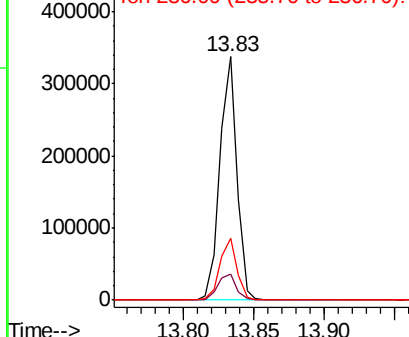


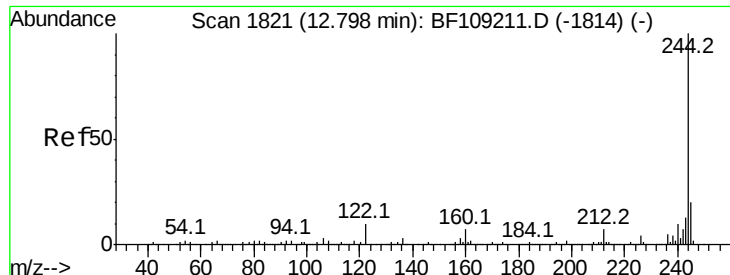
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.01 min
 Lab File: BF109225.D
 Acq: 22 Sep 2018 17:01

Tgt Ion:240 Resp: 283960
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.5 14.3
 236 25.5 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: 71.570 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109225.D

Acq: 22 Sep 2018 17:01

Instrument :

BNA_F

ClientSampleId :

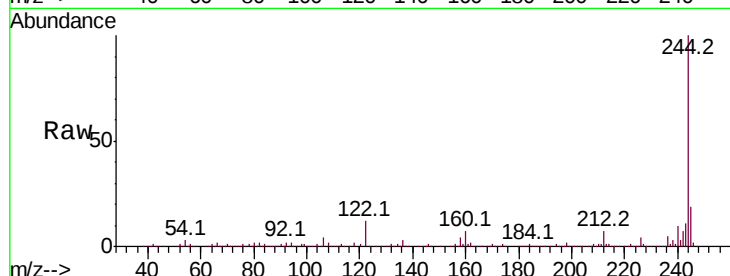
Tot Ion:244 Resp: 828099

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

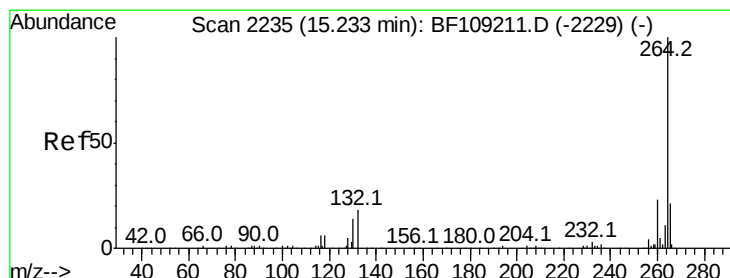
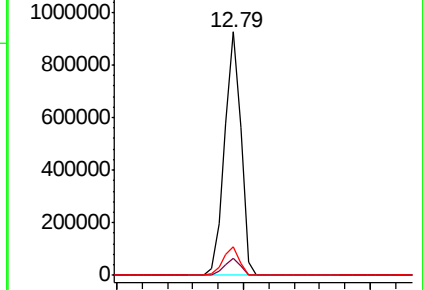
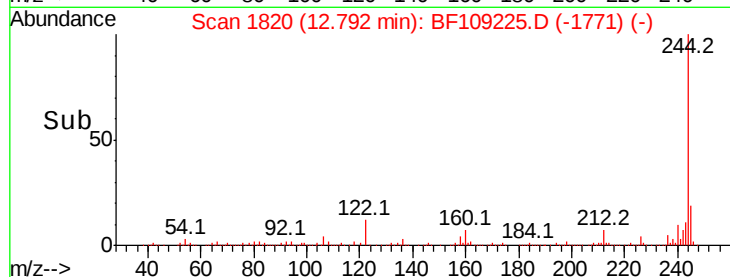
122 11.6 11.0 16.4



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: BF109225.D

Acq: 22 Sep 2018 17:01

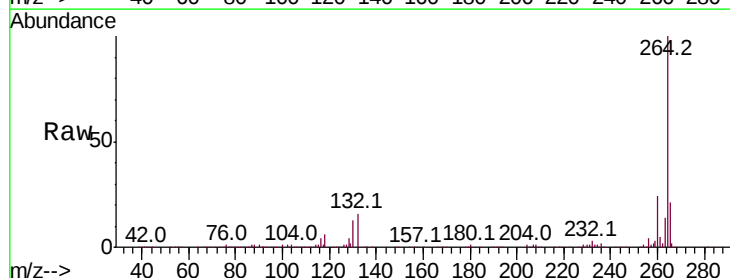
Tgt Ion:264 Resp: 257457

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.1 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

