

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109298.D
 Acq On : 25 Sep 2018 20:49
 Operator : JU/SJ
 Sample : J5070-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:27:31 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	6.71	152	117419	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	431240	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	183021	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	308586	20.00	ng	0.00
75) Chrysene-d12	13.84	240	272000	20.00	ng	0.00
86) Perylene-d12	15.24	264	200886	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	719627	100.94	ng	0.02
7) Phenol-d6	6.35	99	829190	91.15	ng	0.00
23) Nitrobenzene-d5	7.27	82	628383	86.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	203010	112.52	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1091781	89.97	ng	0.00
78) Terphenyl-d14	12.80	244	972860	87.78	ng	0.00

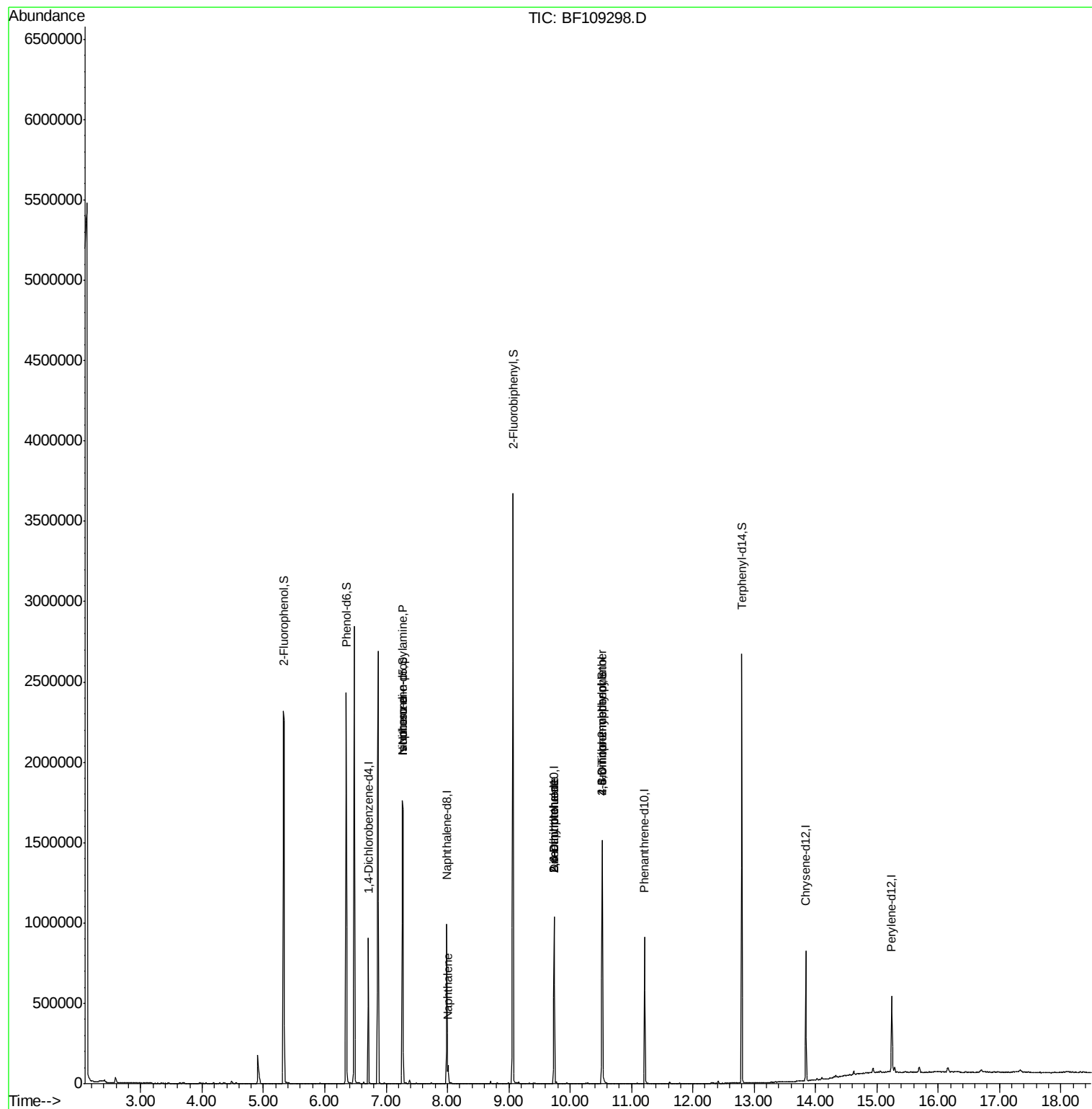
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	85521	14.347	ng	# 80
25) Isophorone	7.27	82	577240	43.880	ng	# 64
31) Naphthalene	8.01	128	41213	2.045	ng	100
49) Dimethylphthalate	9.74	163	54991	4.131	ng	# 1
50) 2,6-Dinitrotoluene	9.74	165	24132	9.153	ng	# 25
56) 2,4-Dinitrotoluene	9.74	165	24132	7.234	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.53	198	337	6.755	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	12320	3.595	ng	# 1

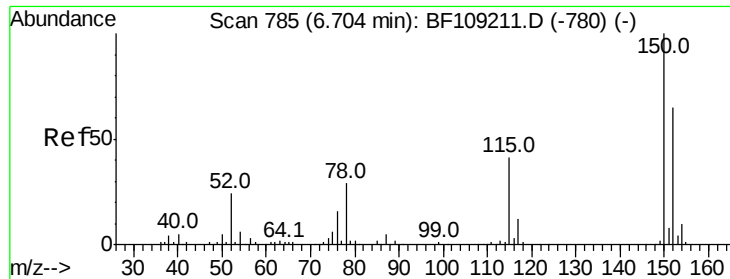
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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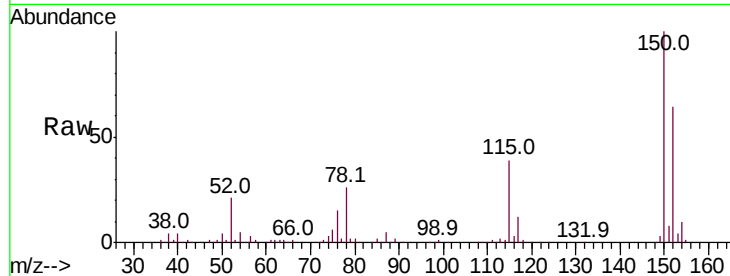


#1

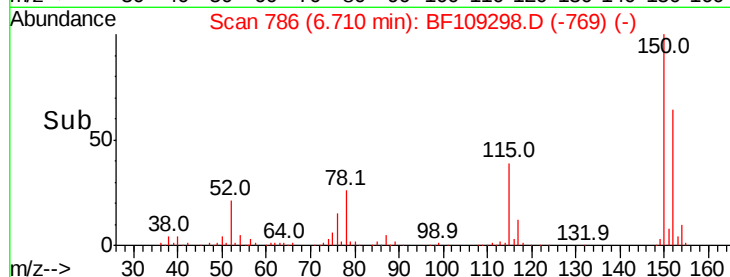
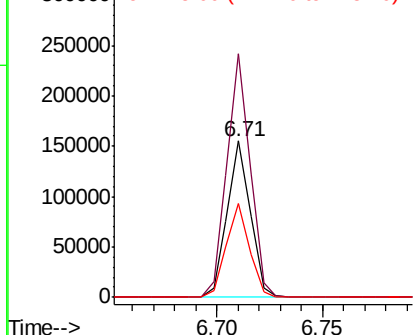
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109298.D
 Acq: 25 Sep 2018 20:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 117419
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.6 186.8
 115 60.0 50.1 75.1



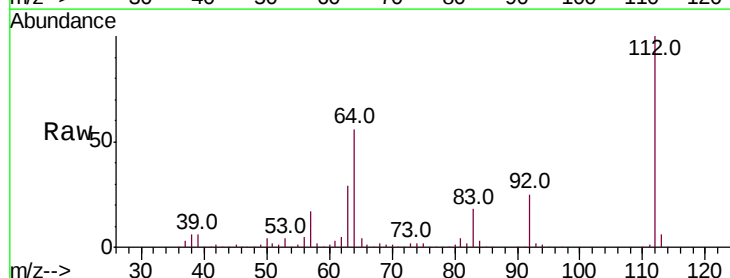
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



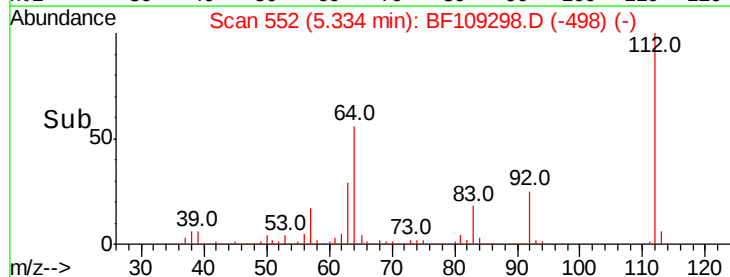
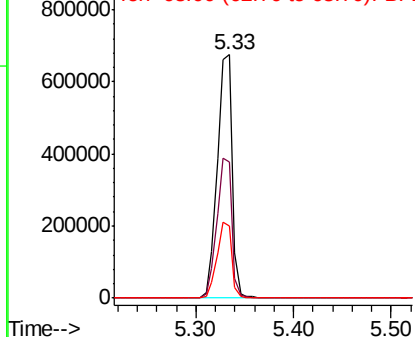
#5

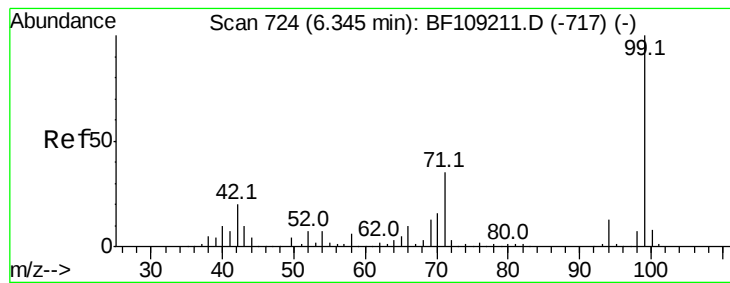
2-Fluorophenol
 Concen: 100.945 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.02 min
 Lab File: BF109298.D
 Acq: 25 Sep 2018 20:49

Tgt Ion:112 Resp: 719627
 Ion Ratio Lower Upper
 112 100
 64 56.1 47.9 71.9
 63 29.4 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: 91.152 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109298.D

Acq: 25 Sep 2018 20:49

Instrument :

BNA_F

ClientSampled :

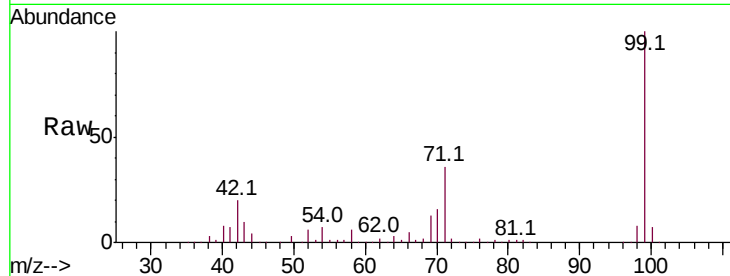
Tot Ion: 99 Resp: 829190

Ion Ratio Lower Upper

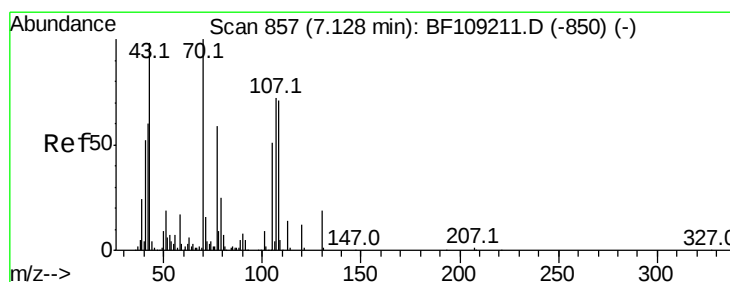
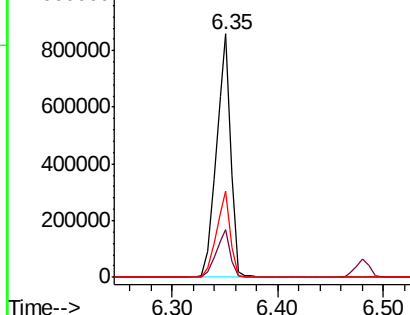
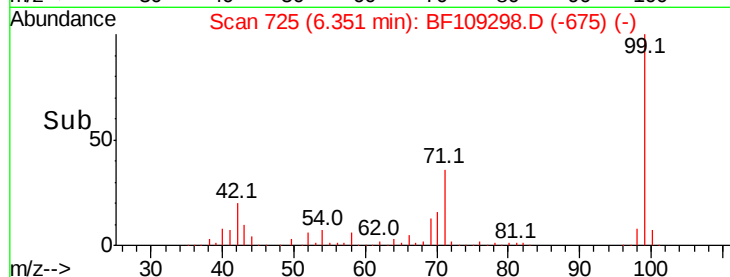
99 100

42 19.7 14.5 21.7

71 35.5 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: 14.347 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109298.D

Acq: 25 Sep 2018 20:49

Tgt Ion: 70 Resp: 85521

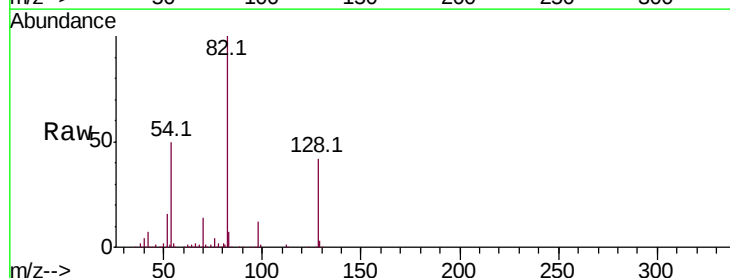
Ion Ratio Lower Upper

70 100

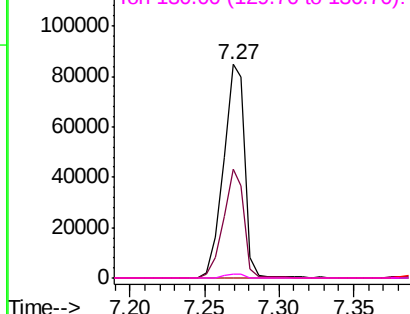
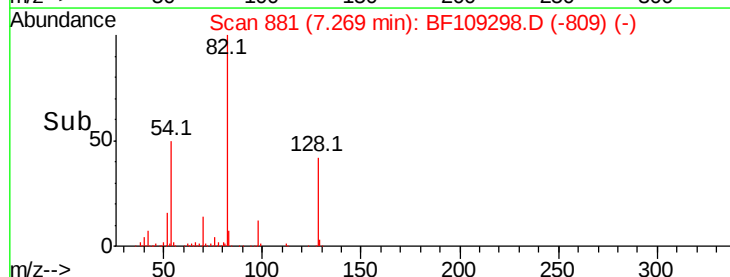
42 50.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 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# 1004

Delta R.T. 0.00 min

Lab File: BF109298.D

Acq: 25 Sep 2018 20:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 431240

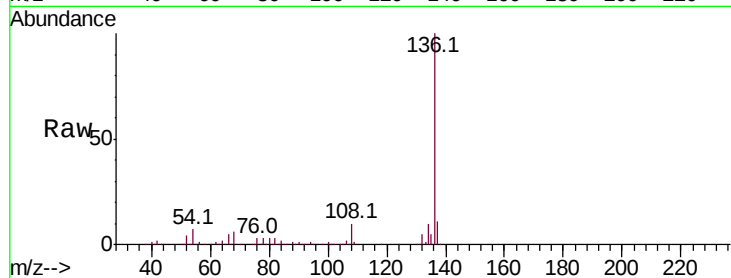
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.8 6.6 9.8

68 5.6 5.0 7.4

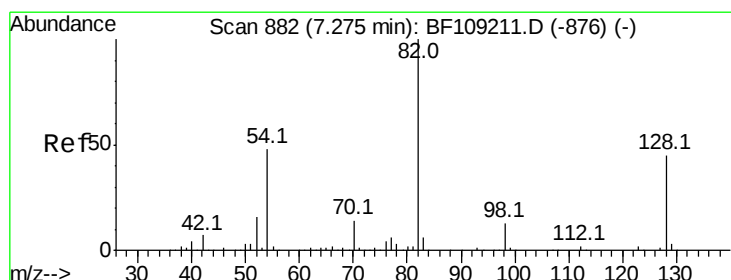
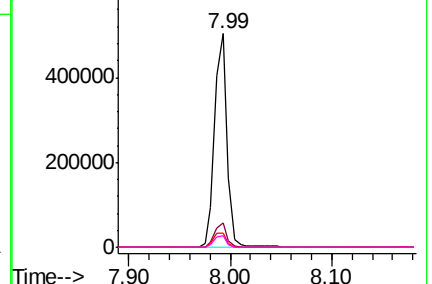
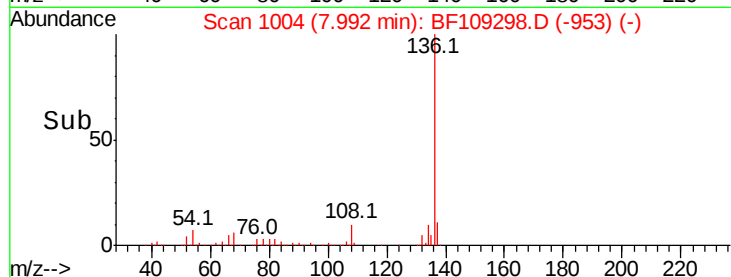


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.018 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109298.D

Acq: 25 Sep 2018 20:49

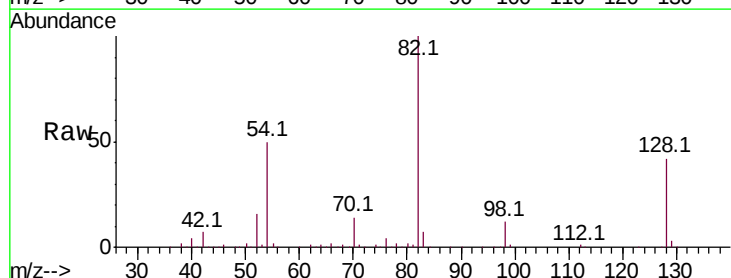
Tgt Ion: 82 Resp: 628383

Ion Ratio Lower Upper

82 100

128 42.3 36.1 54.1

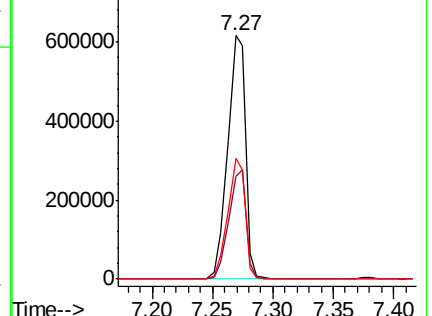
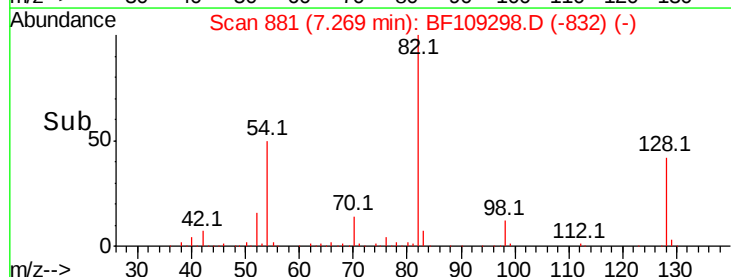
54 49.8 41.4 62.2

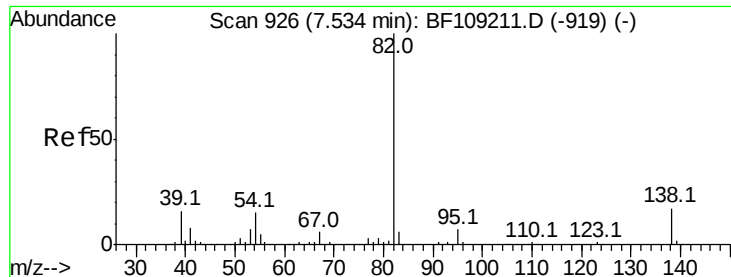


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.880 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109298.D

Acq: 25 Sep 2018 20:49

Instrument :
BNA_F
ClientSampleId :

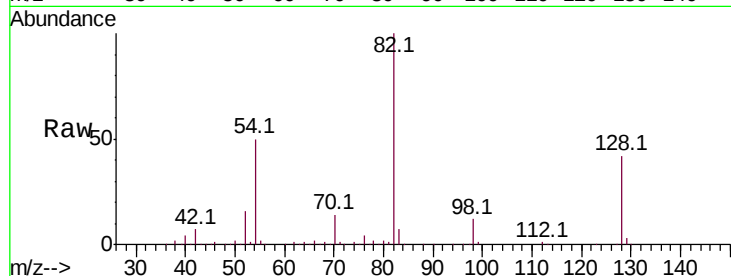
Tot Ion: 82 Resp: 577240

Ion Ratio Lower Upper

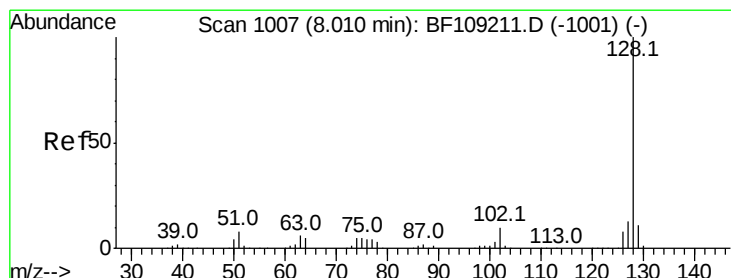
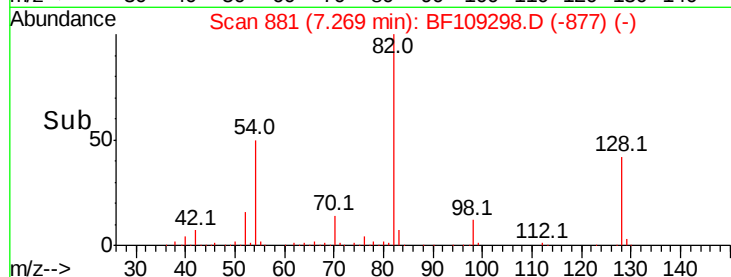
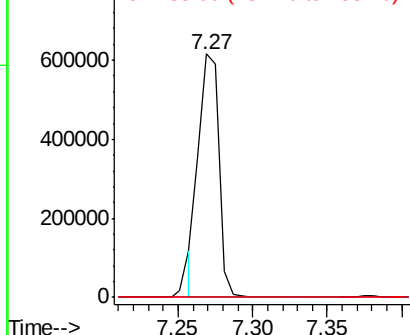
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 2.045 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF109298.D

Acq: 25 Sep 2018 20:49

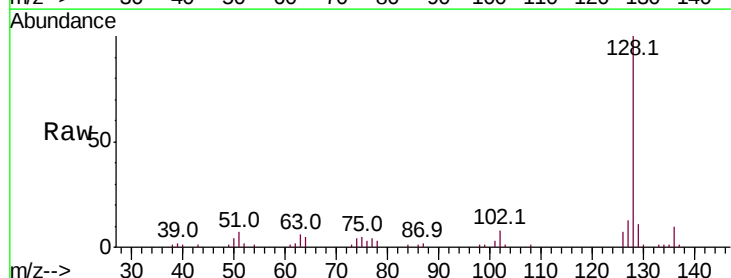
Tgt Ion: 128 Resp: 41213

Ion Ratio Lower Upper

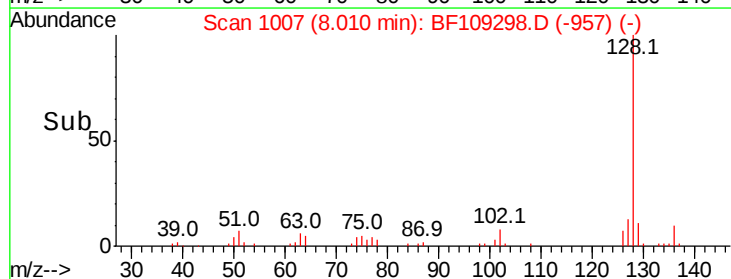
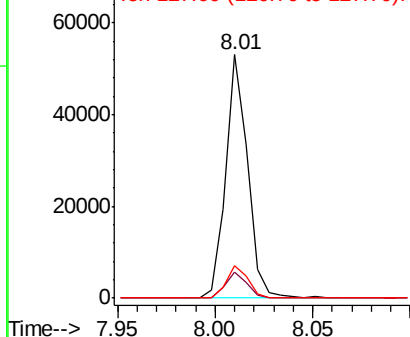
128 100

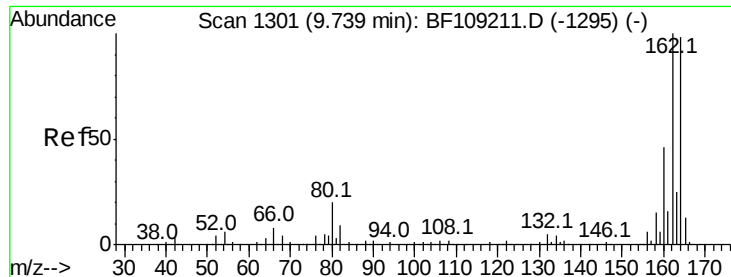
129 10.8 8.8 13.2

127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

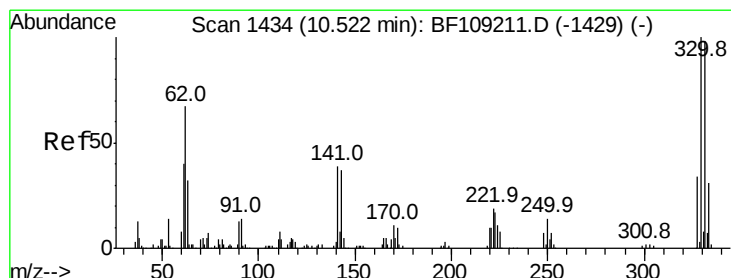
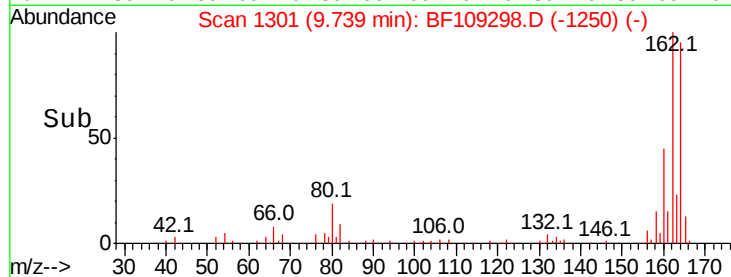
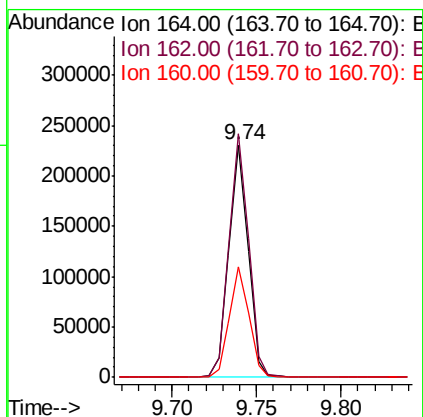
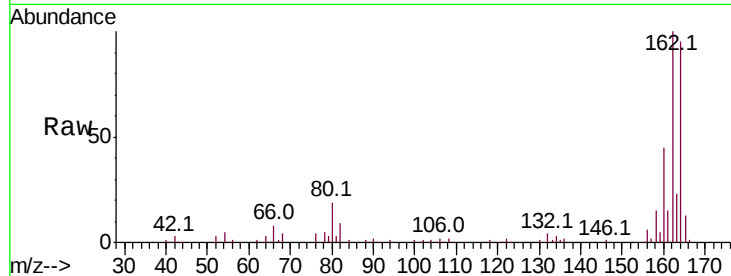




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109298.D
Acq: 25 Sep 2018 20:49

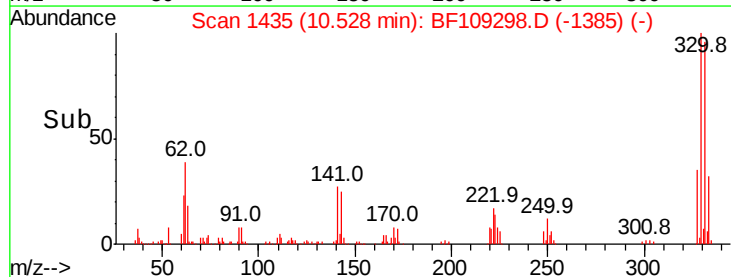
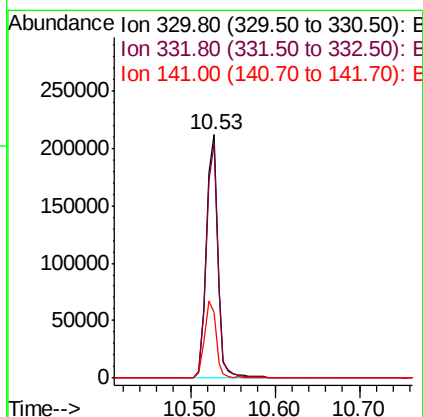
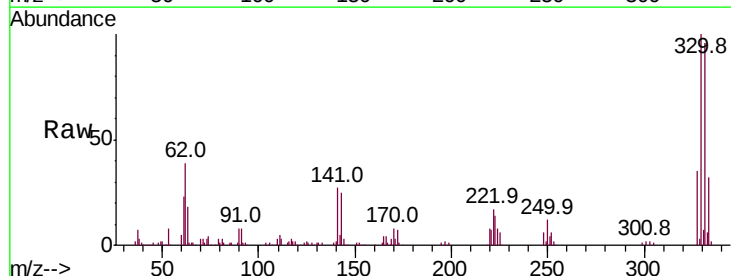
Instrument :
BNA_F
ClientSampleId :

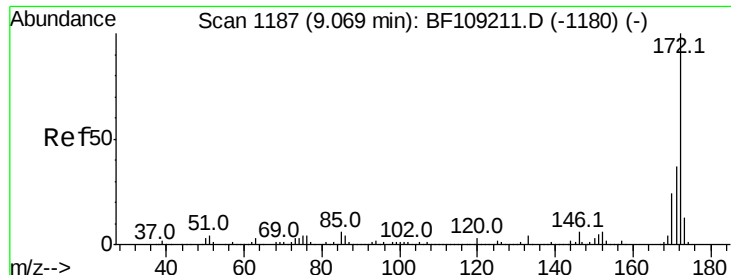
Tot Ion:164 Resp: 183021
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 47.3 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 112.520 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF109298.D
Acq: 25 Sep 2018 20:49

Tgt Ion:330 Resp: 203010
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 32.0 29.9 44.9

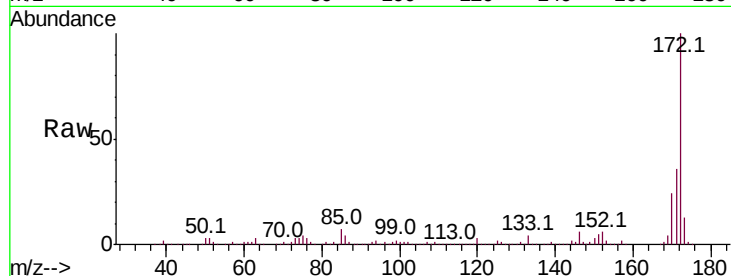




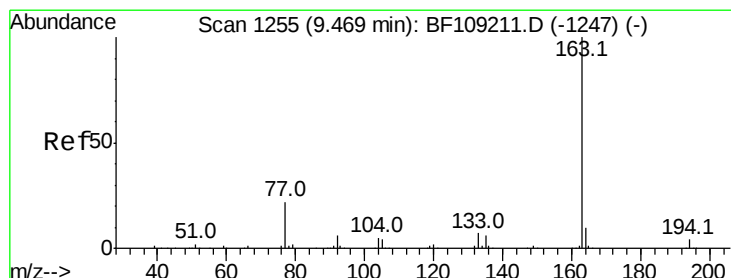
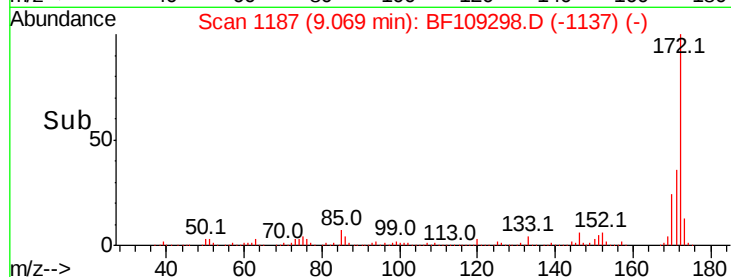
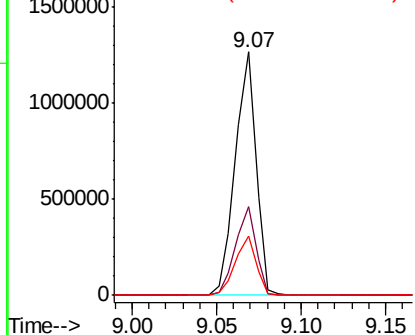
#44
2-Fluorobiphenyl
Concen: 89.969 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF109298.D
Acq: 25 Sep 2018 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1091781
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.5 19.6 29.4

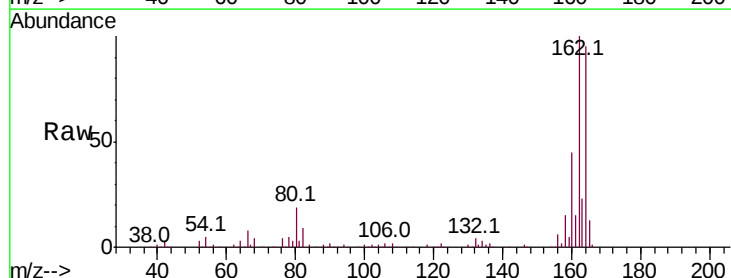


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

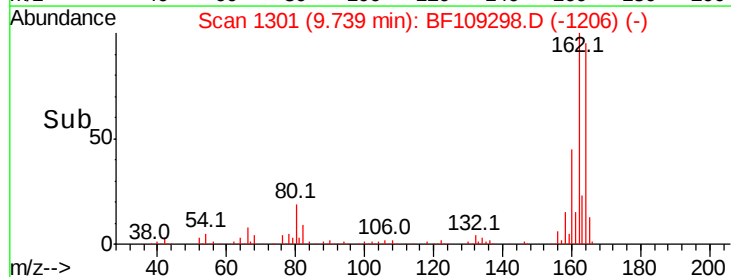
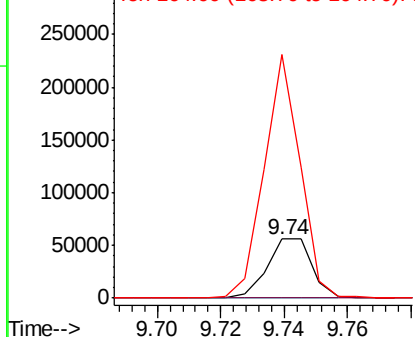


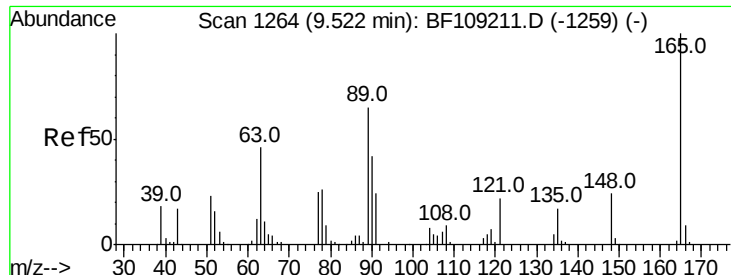
#49
Dimethylphthalate
Concen: 4.131 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.26 min
Lab File: BF109298.D
Acq: 25 Sep 2018 20:49

Tgt Ion:163 Resp: 54991
Ion Ratio Lower Upper
163 100
194 0.0 2.7 4.1#
164 411.8 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

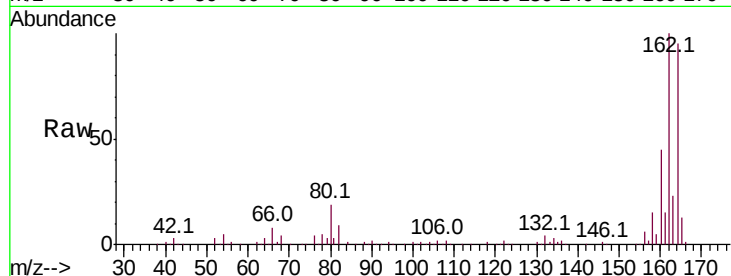




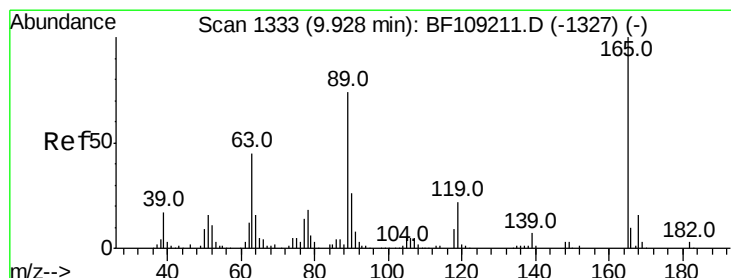
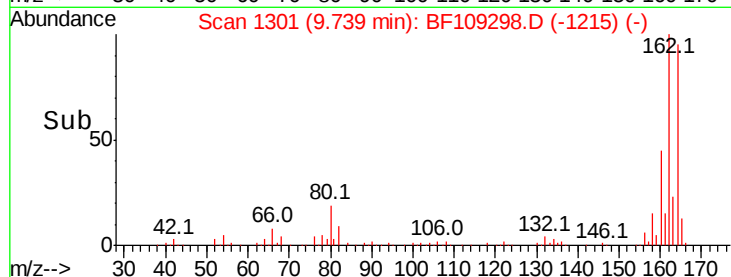
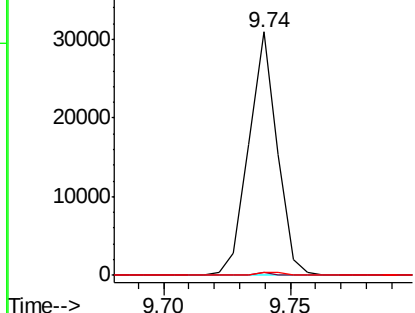
#50
 2,6-Dinitrotoluene
 Concen: 9.153 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF109298.D
 Acq: 25 Sep 2018 20:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.3	44.0	66.0#



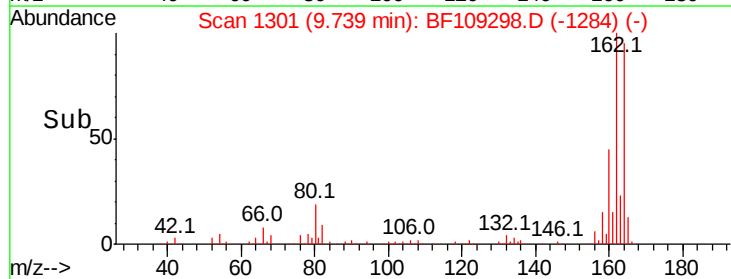
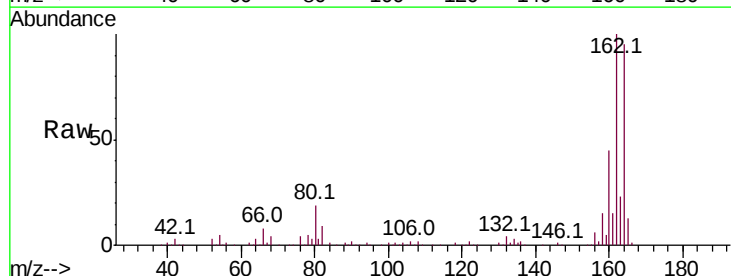
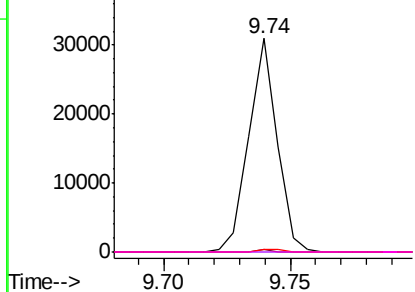
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

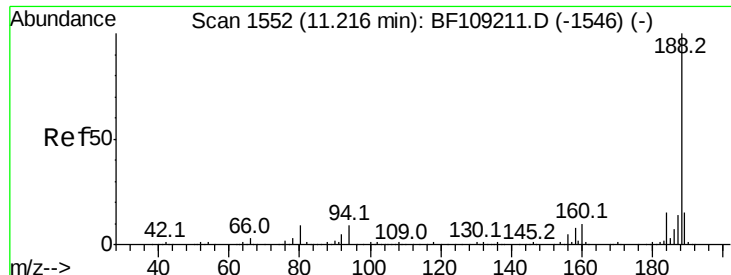


#56
 2,4-Dinitrotoluene
 Concen: 7.234 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109298.D
 Acq: 25 Sep 2018 20:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.3	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

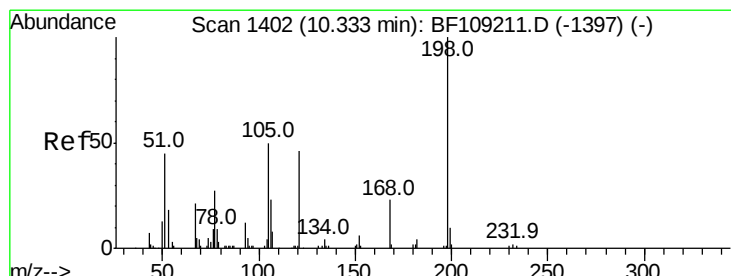
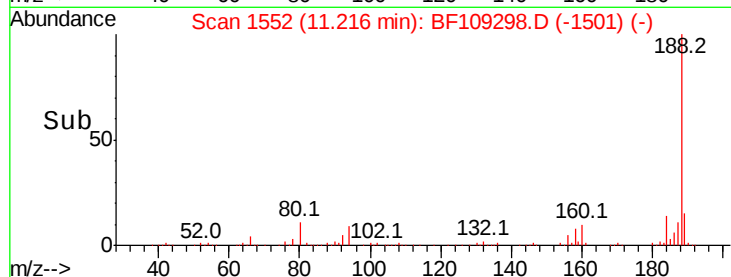
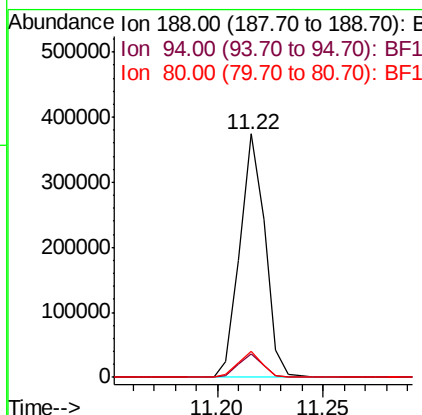
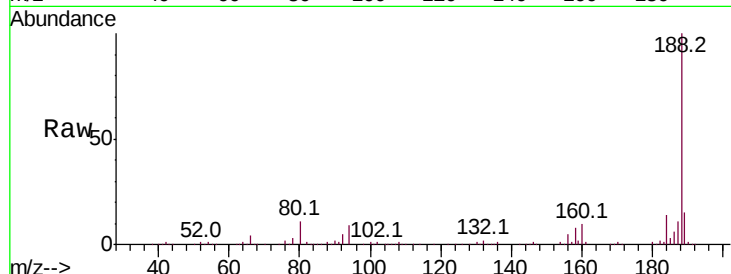




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109298.D
 Acq: 25 Sep 2018 20:49

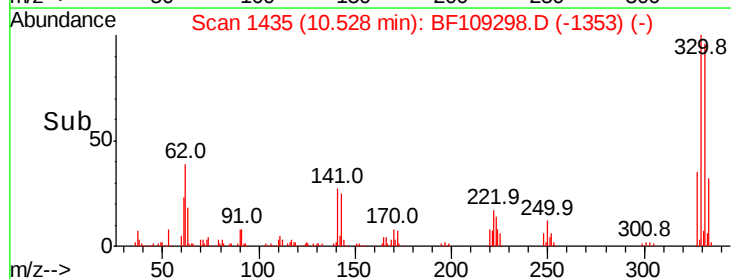
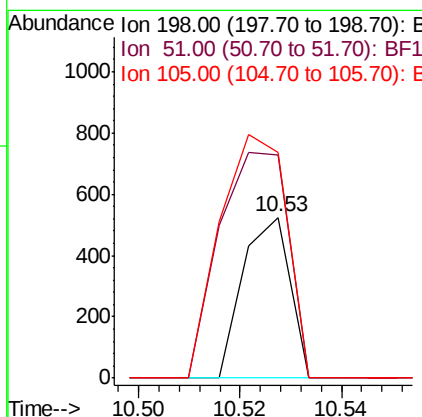
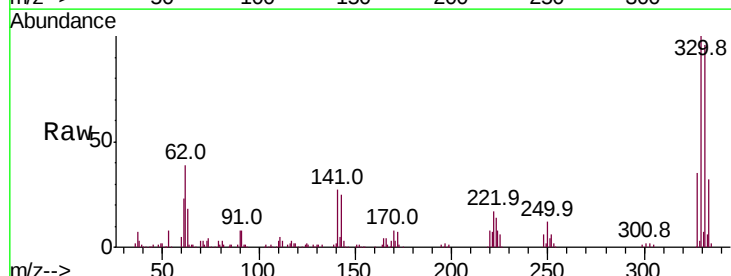
Instrument :
 BNA_F
 ClientSampled :

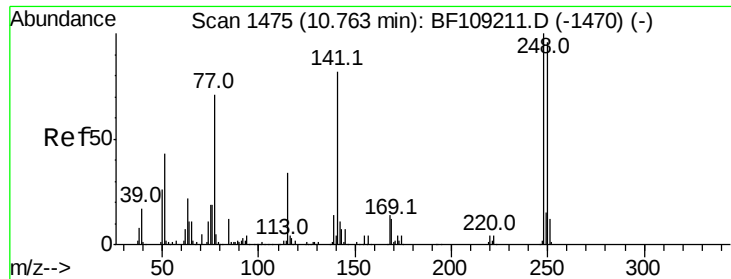
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.6	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.755 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.18 min
 Lab File: BF109298.D
 Acq: 25 Sep 2018 20:49

Tgt Ion	Ratio	Lower	Upper
198	100		
51	138.5	37.7	77.7#
105	140.6	36.3	76.3#

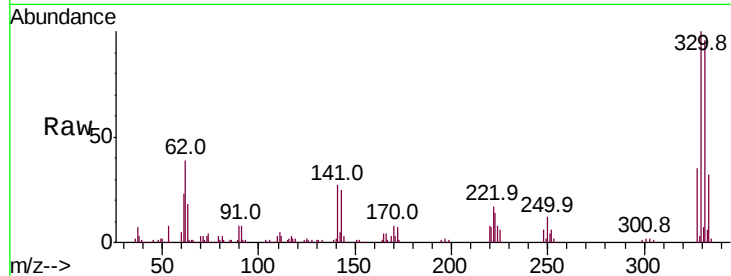




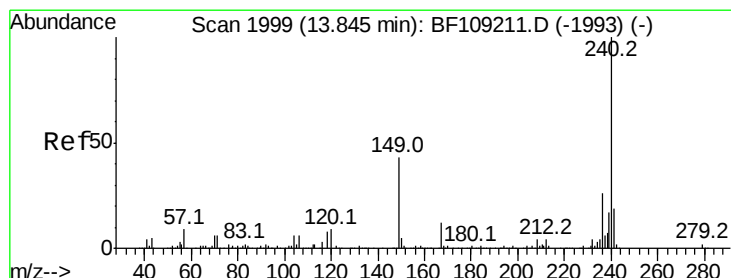
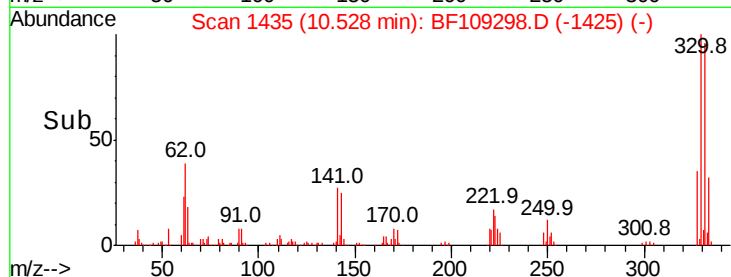
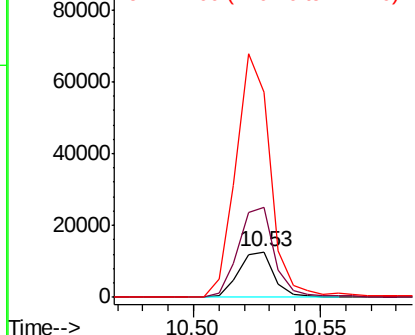
#66
4-Bromophenyl-phenylether
Concen: 3.595 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.24 min
Lab File: BF109298.D
Acq: 25 Sep 2018 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12320
Ion Ratio Lower Upper
248 100
250 197.4 76.9 115.3#
141 449.1 74.4 111.6#

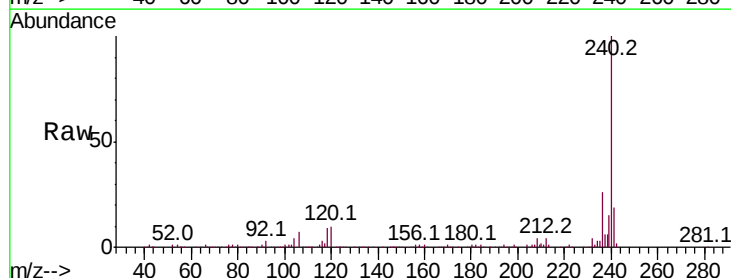


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

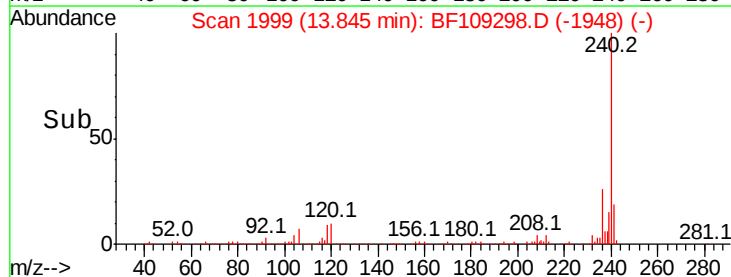
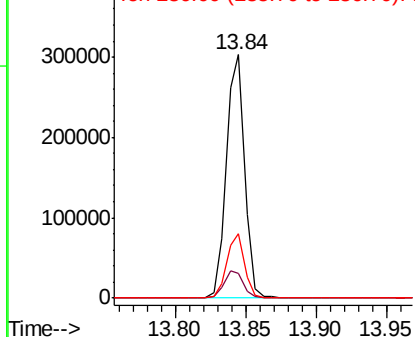


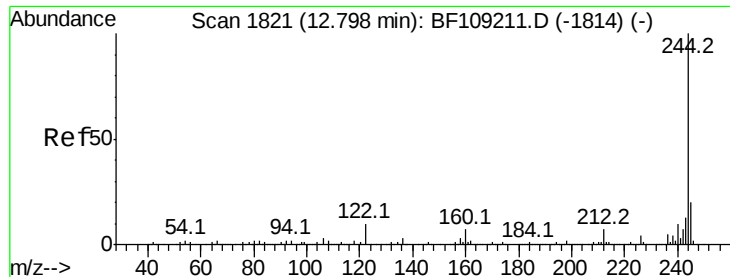
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BF109298.D
Acq: 25 Sep 2018 20:49

Tgt Ion:240 Resp: 272000
Ion Ratio Lower Upper
240 100
120 10.1 9.5 14.3
236 26.2 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: 87.778 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF109298.D

Acq: 25 Sep 2018 20:49

Instrument :

BNA_F

ClientSampleId :

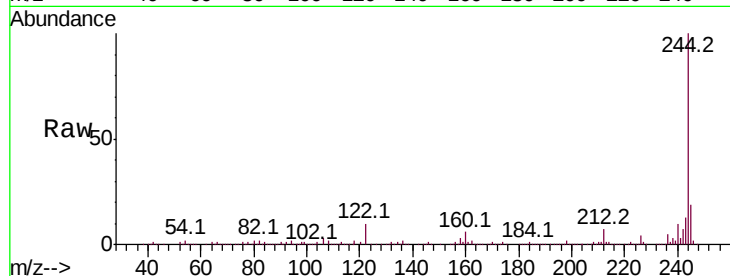
Tot Ion:244 Resp: 972860

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

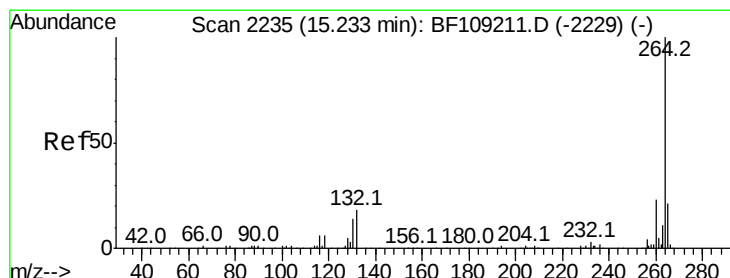
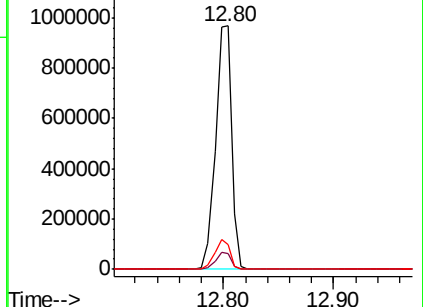
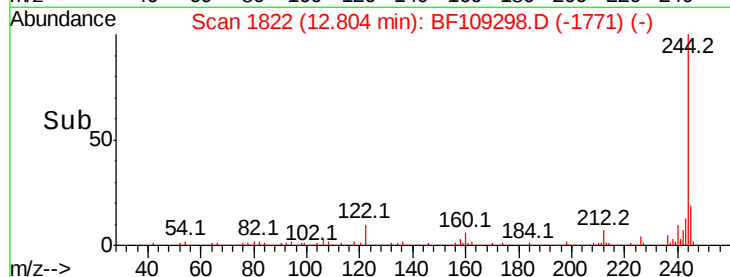
122 10.3 11.0 16.4#



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: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109298.D

Acq: 25 Sep 2018 20:49

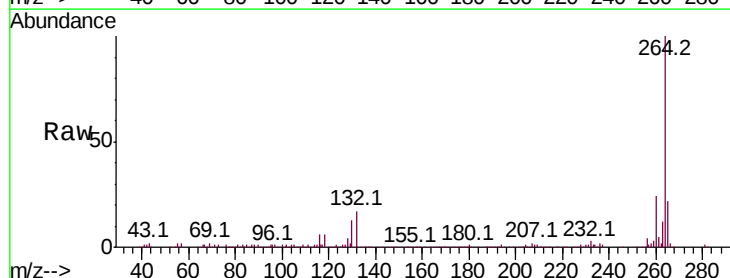
Tgt Ion:264 Resp: 200886

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.7 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

