

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109297.D
 Acq On : 25 Sep 2018 20:22
 Operator : JU/SJ
 Sample : J5070-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:27:23 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

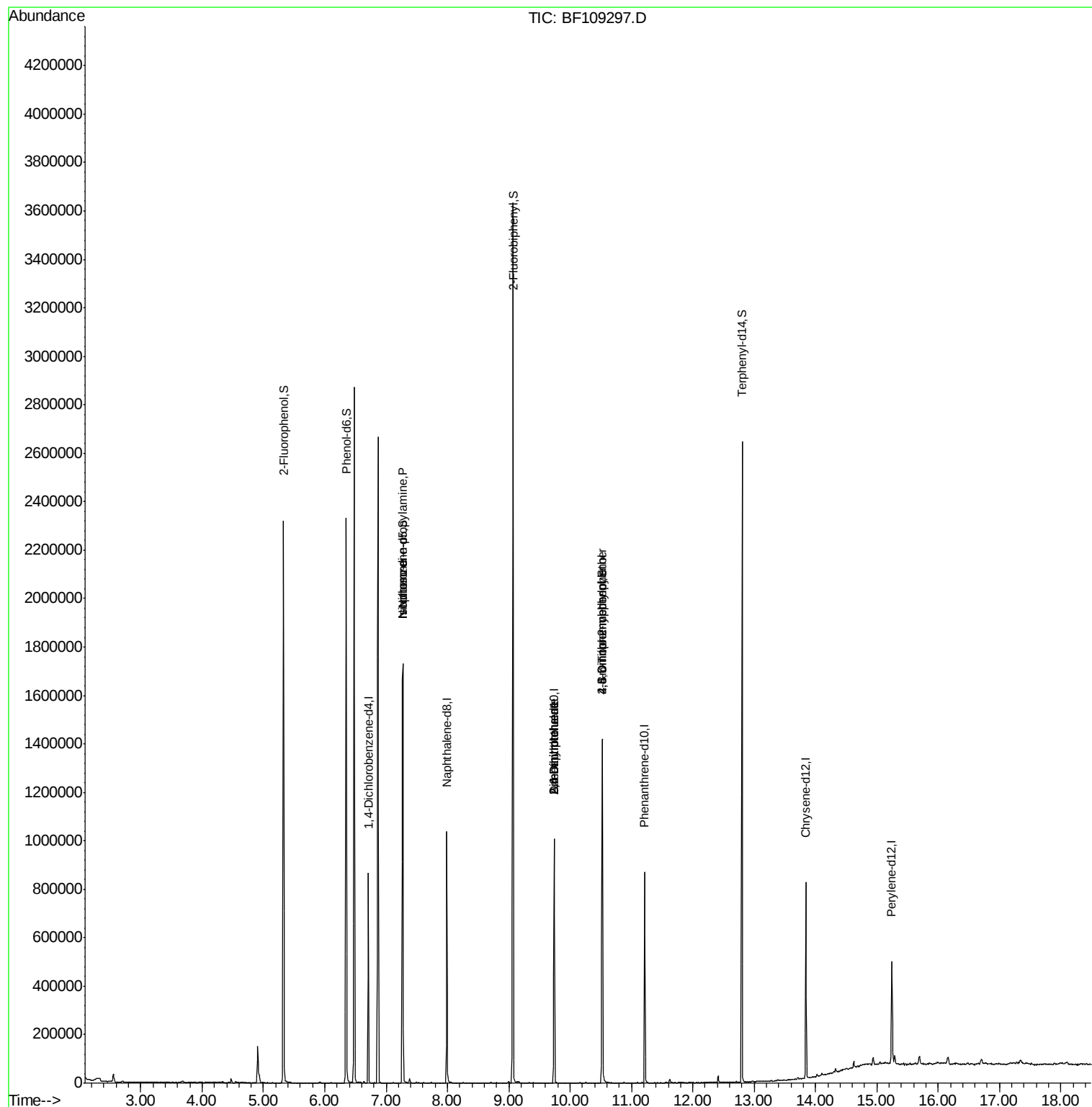
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	117697	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	426277	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	180178	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	300632	20.00	ng	0.00
75) Chrysene-d12	13.84	240	263376	20.00	ng	0.00
86) Perylene-d12	15.24	264	190546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	644456	90.19	ng	0.01
7) Phenol-d6	6.35	99	778013	85.32	ng	0.00
23) Nitrobenzene-d5	7.27	82	614850	85.15	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	190254	107.11	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1075329	90.01	ng	0.00
78) Terphenyl-d14	12.80	244	944763	88.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	82160	13.751	ng	# 76
25) Isophorone	7.27	82	566362	43.555	ng	# 64
49) Dimethylphthalate	9.75	163	53380	4.073	ng	# 1
50) 2,6-Dinitrotoluene	9.74	165	22910	8.827	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	22910	6.976	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	277	6.719	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	11393	3.413	ng	# 1

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

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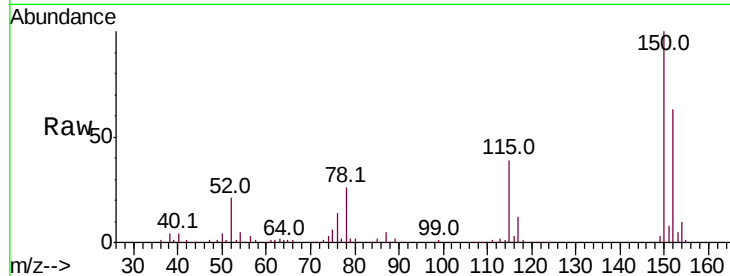


#1

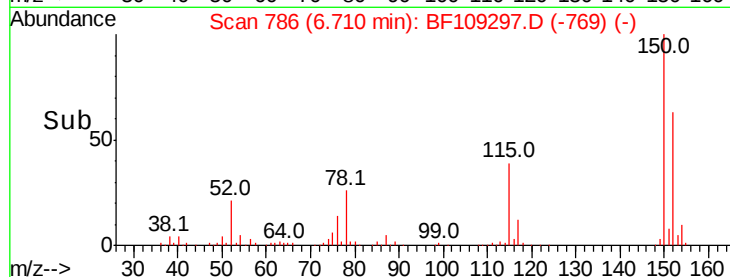
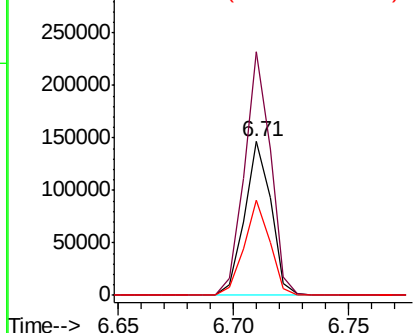
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF109297.D
 Acq: 25 Sep 2018 20:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	61.7	50.1	75.1



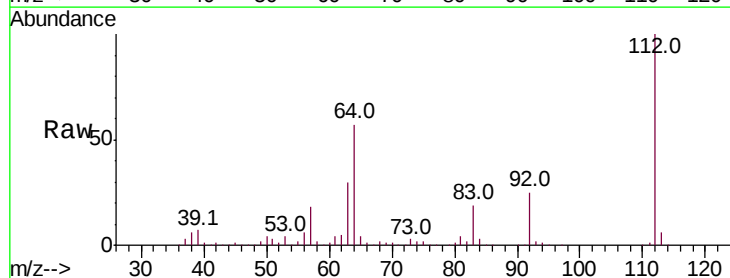
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



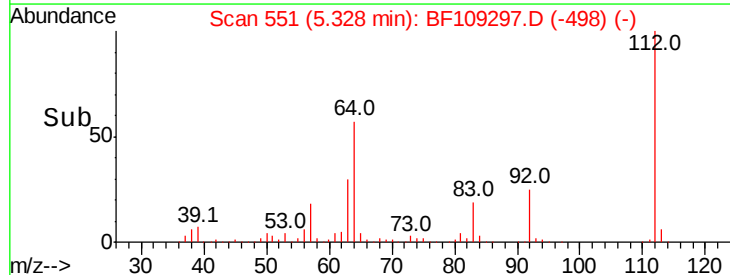
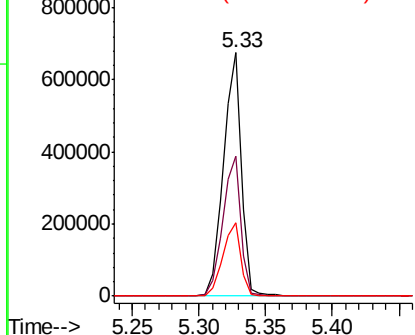
#5

2-Fluorophenol
 Concen: 90.187 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF109297.D
 Acq: 25 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	30.4	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: 85.324 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109297.D

Acq: 25 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

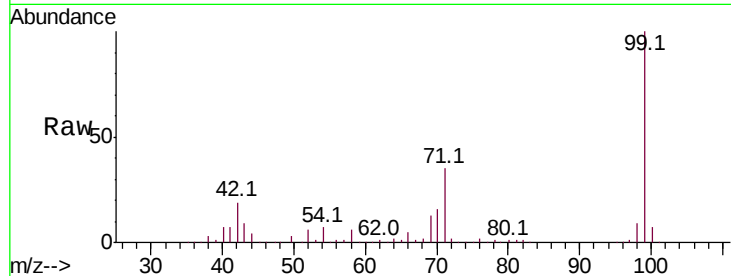
Tot Ion: 99 Resp: 778013

Ion Ratio Lower Upper

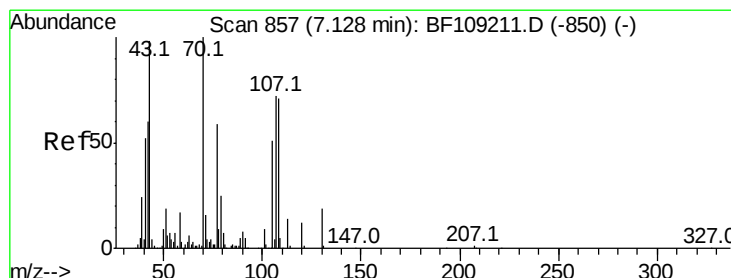
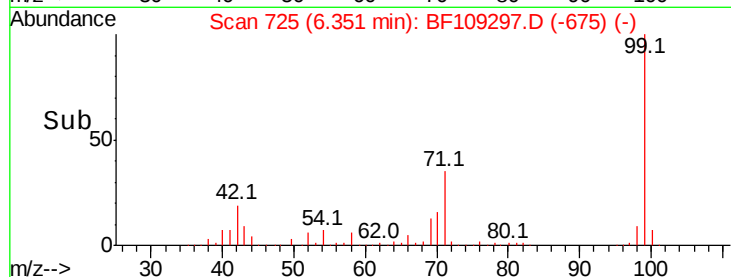
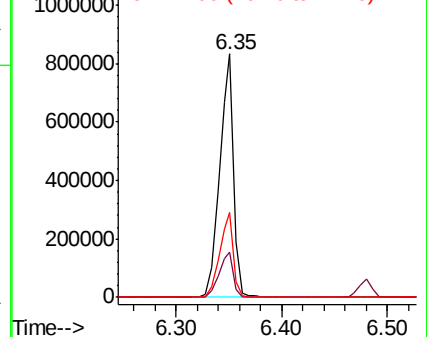
99 100

42 18.8 14.5 21.7

71 34.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.751 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.13 min

Lab File: BF109297.D

Acq: 25 Sep 2018 20:22

Tgt Ion: 70 Resp: 82160

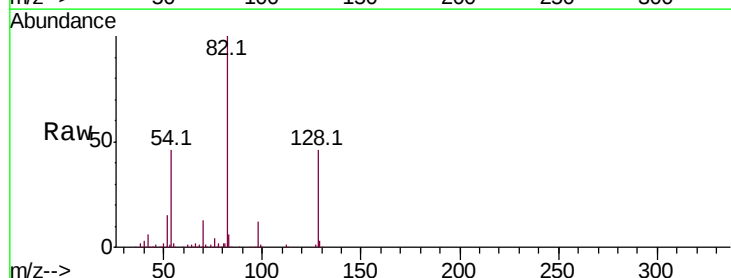
Ion Ratio Lower Upper

70 100

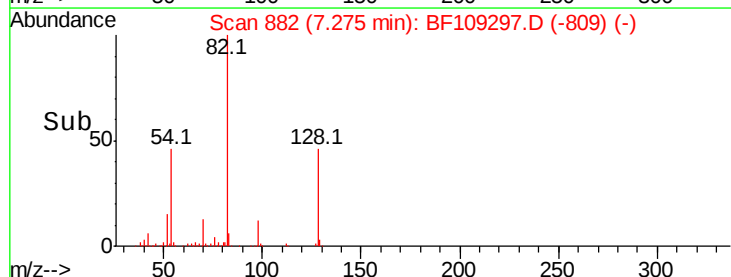
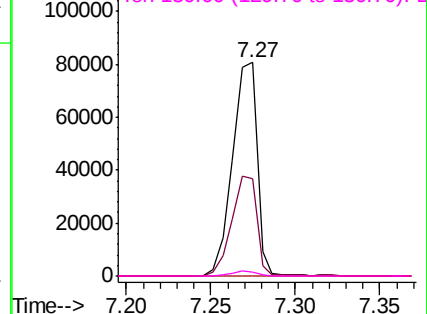
42 45.7 47.5 71.3#

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# 1004

Delta R.T. -0.00 min

Lab File: BF109297.D

Acq: 25 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 426277

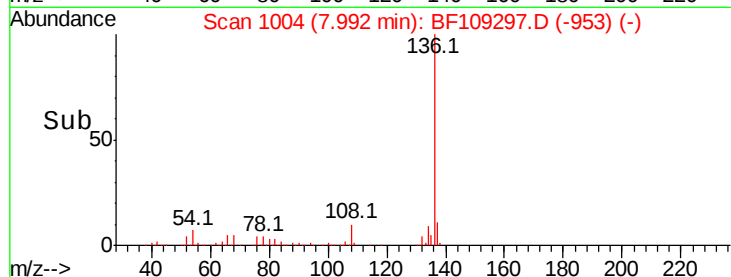
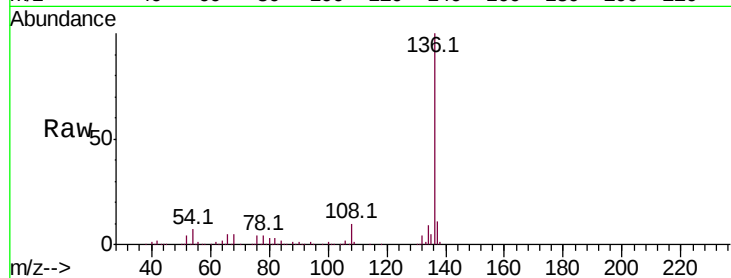
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.8 6.6 9.8

68 5.4 5.0 7.4

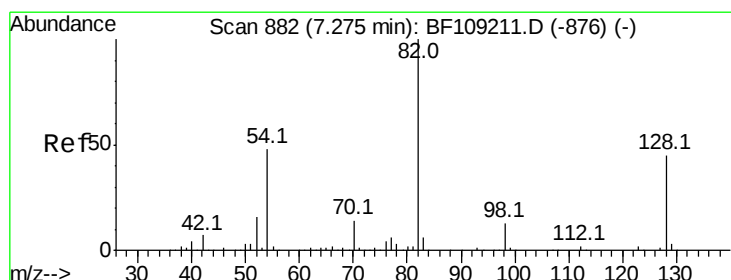
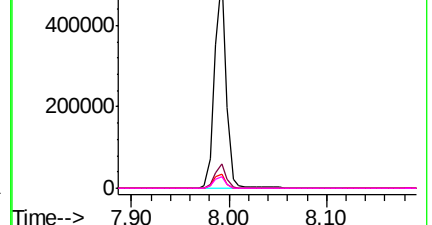


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.145 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF109297.D

Acq: 25 Sep 2018 20:22

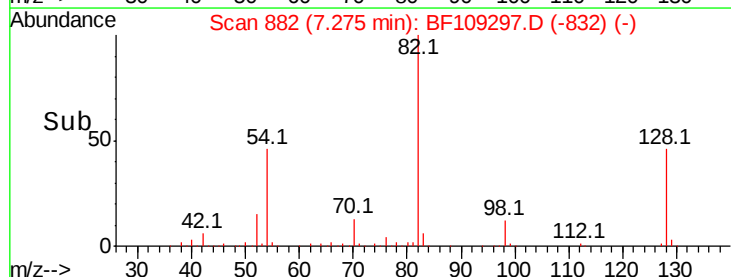
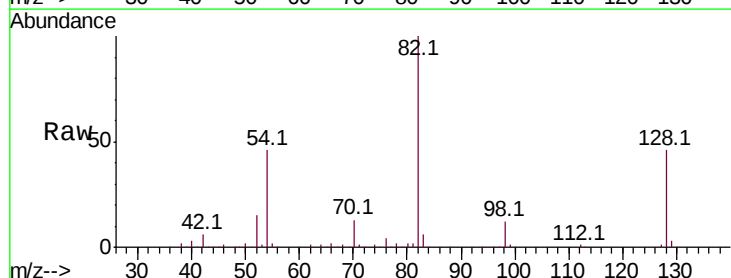
Tgt Ion: 82 Resp: 614850

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

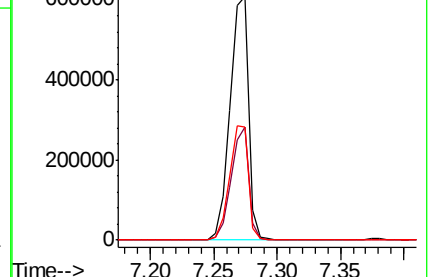
54 46.4 41.4 62.2

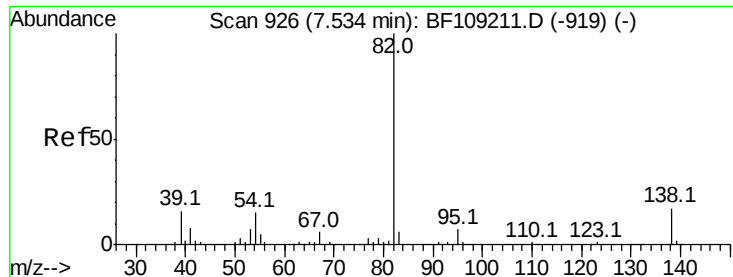


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

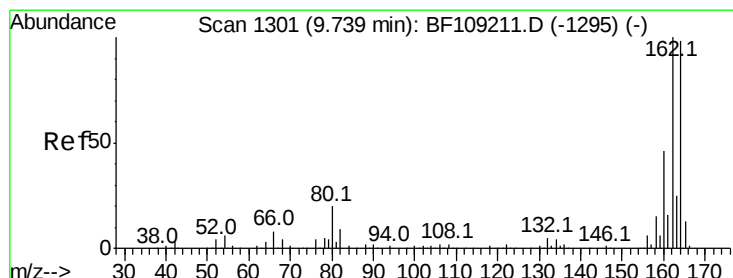
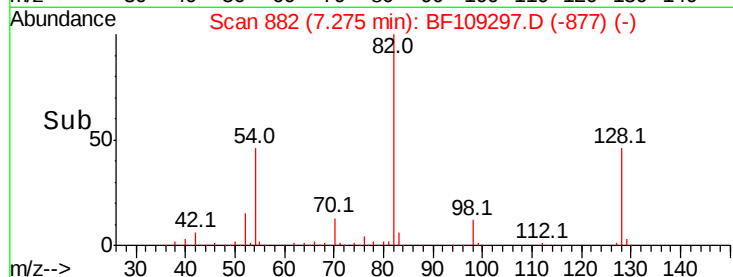
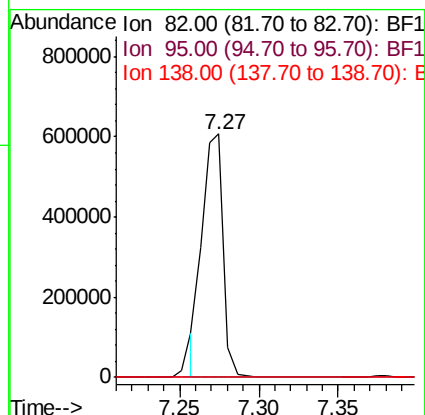
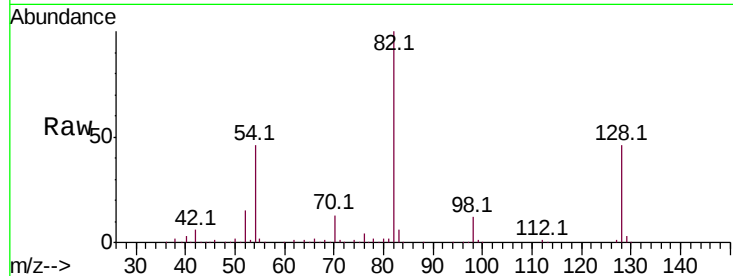




#25
Isophorone
Concen: 43.555 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.27 min
Lab File: BF109297.D
Acq: 25 Sep 2018 20:22

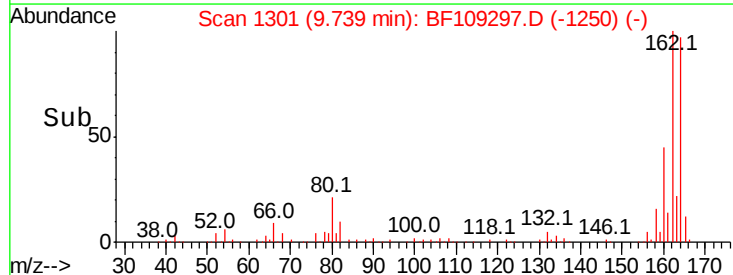
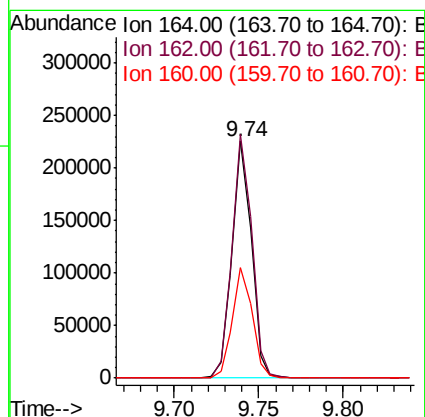
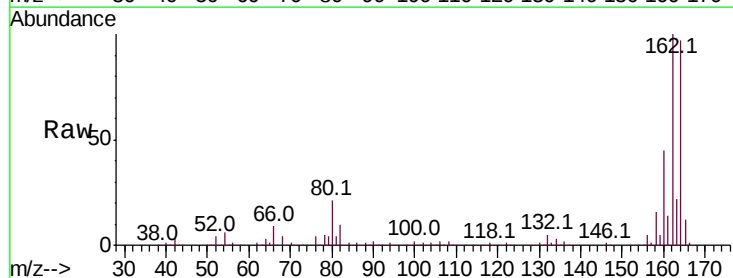
Instrument :
BNA_F
ClientSampleId :

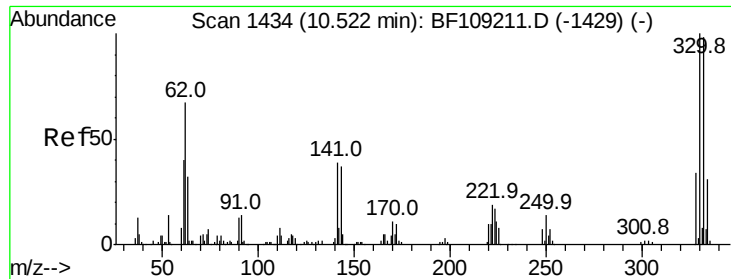
Tot Ion: 82 Resp: 566362
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BF109297.D
Acq: 25 Sep 2018 20:22

Tgt Ion:164 Resp: 180178
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 46.6 38.3 57.5

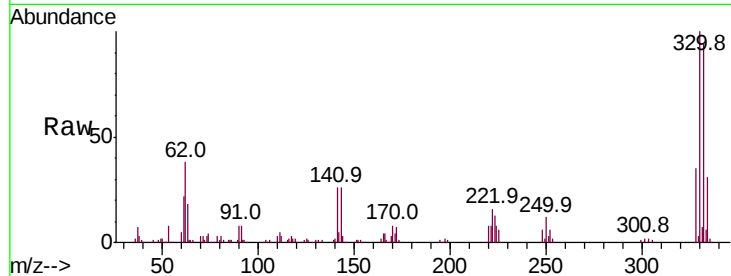




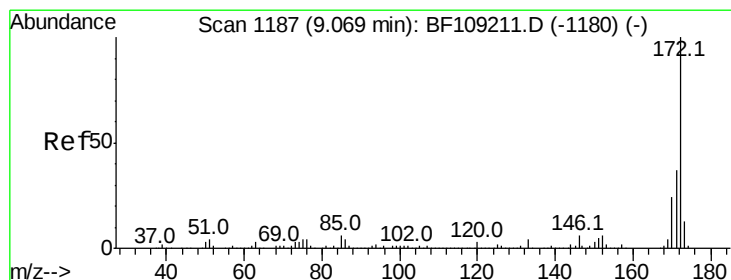
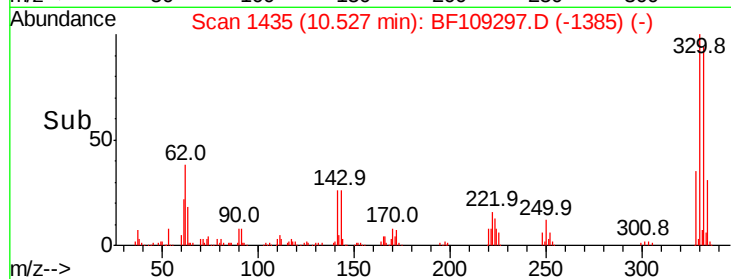
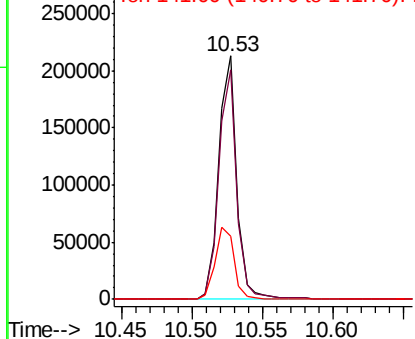
#41
 2,4,6-Tribromophenol
 Concen: 107.114 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109297.D
 Acq: 25 Sep 2018 20:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	31.8	29.9	44.9

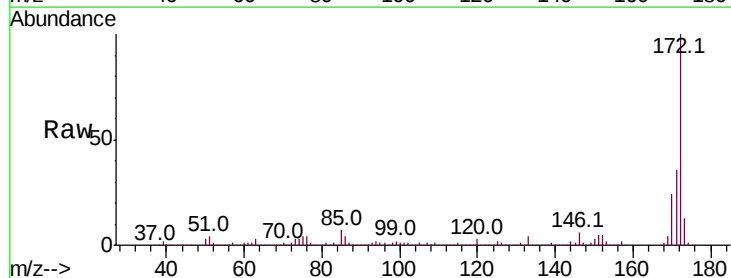


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

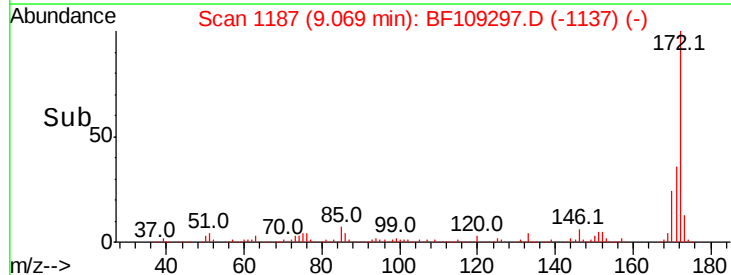
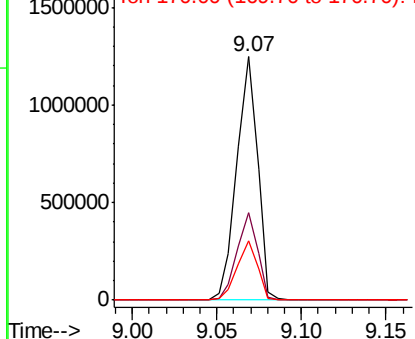


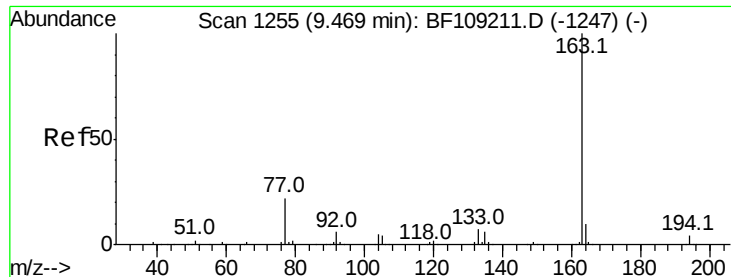
#44
 2-Fluorobiphenyl
 Concen: 90.011 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF109297.D
 Acq: 25 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.2	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: 4.073 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.26 min

Lab File: BF109297.D

Acq: 25 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

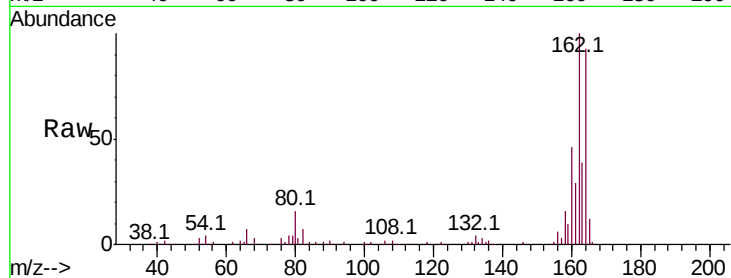
Tot Ion:163 Resp: 53380

Ion Ratio Lower Upper

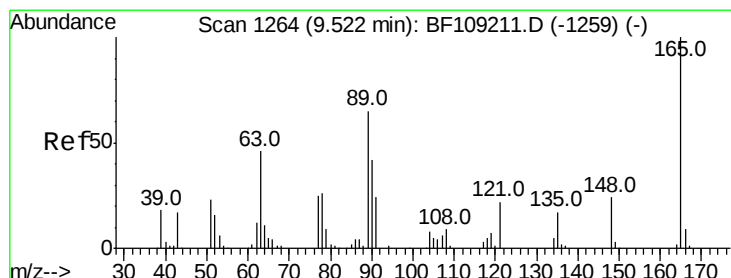
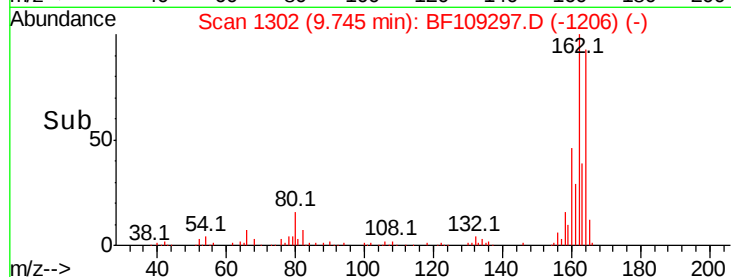
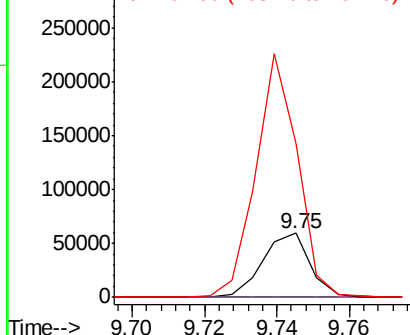
163 100

194 0.0 2.7 4.1#

164 240.6 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: 8.827 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.21 min

Lab File: BF109297.D

Acq: 25 Sep 2018 20:22

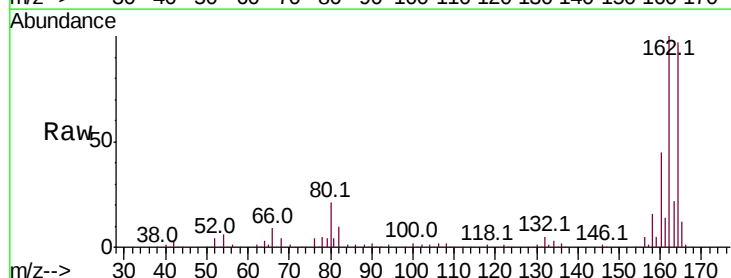
Tgt Ion:165 Resp: 22910

Ion Ratio Lower Upper

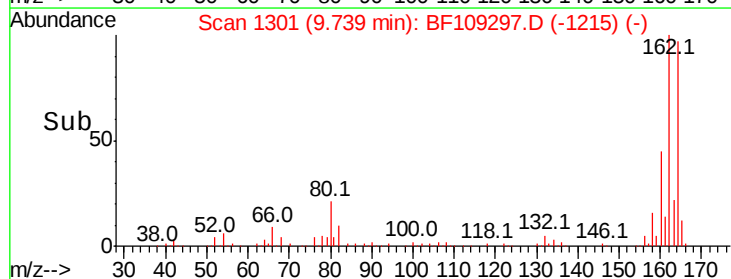
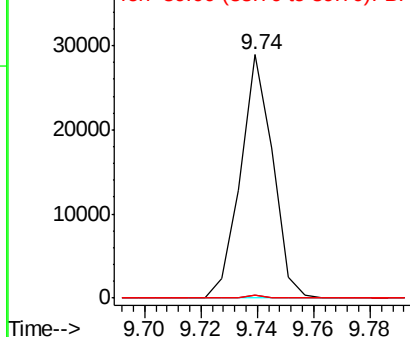
165 100

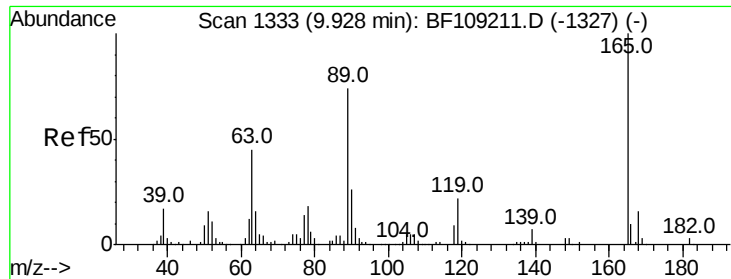
63 1.4 44.7 67.1#

89 1.5 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

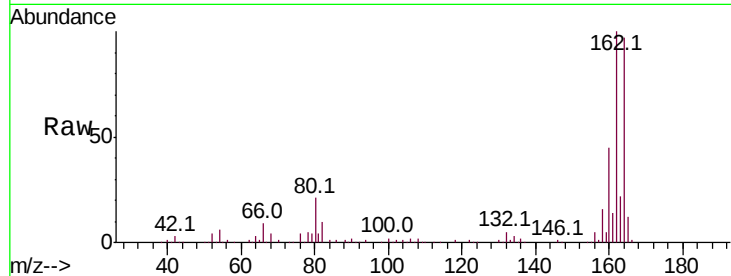




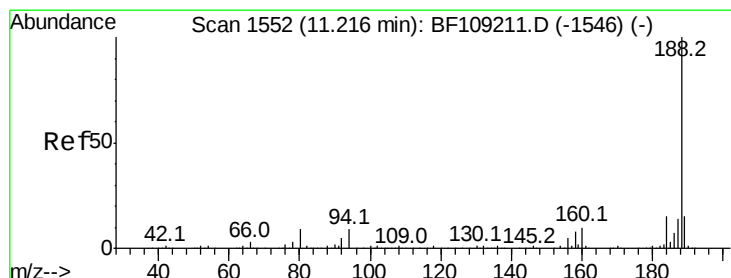
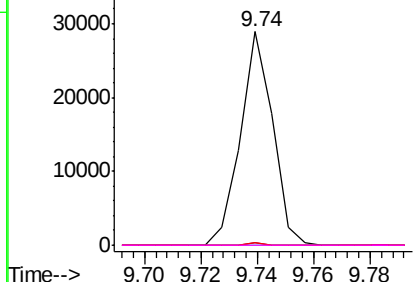
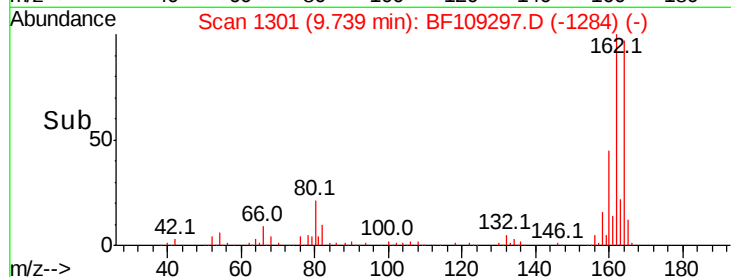
#56
 2,4-Dinitrotoluene
 Concen: 6.976 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109297.D
 Acq: 25 Sep 2018 20:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 22910
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

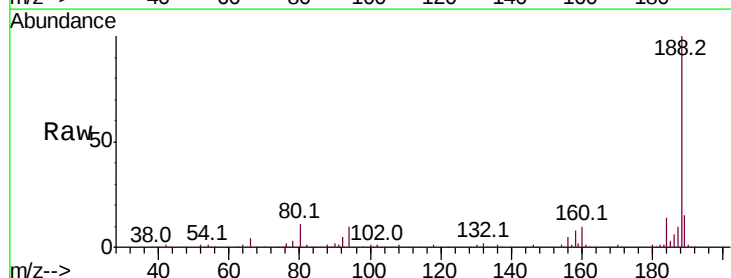


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

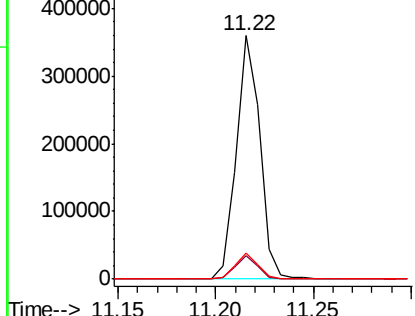
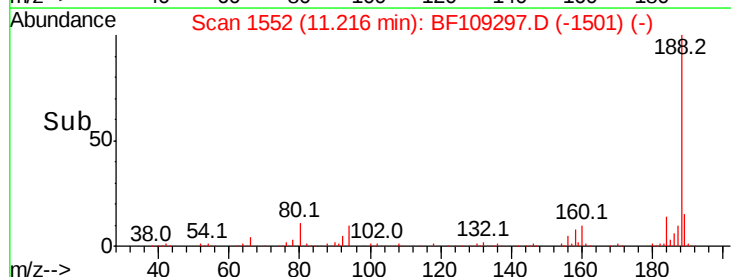


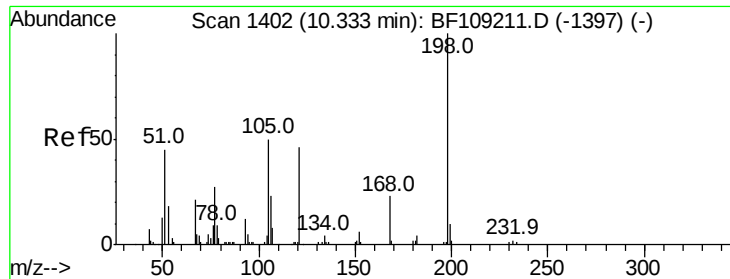
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109297.D
 Acq: 25 Sep 2018 20:22

Tgt Ion:188 Resp: 300632
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.9 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

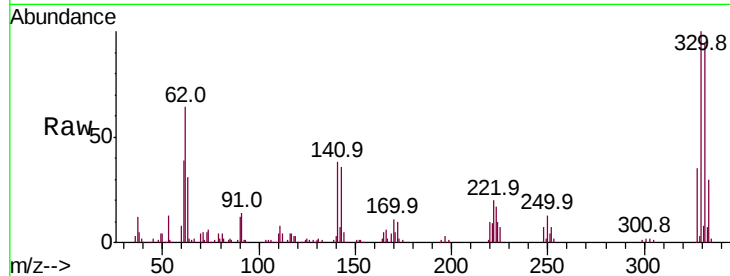




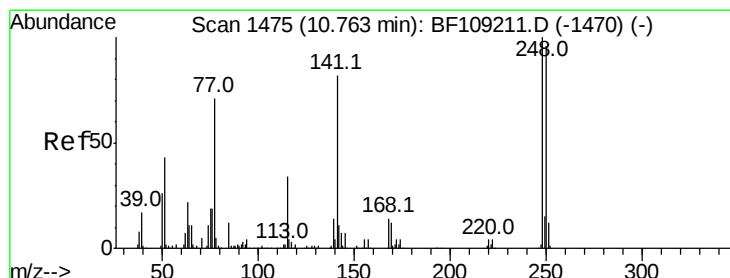
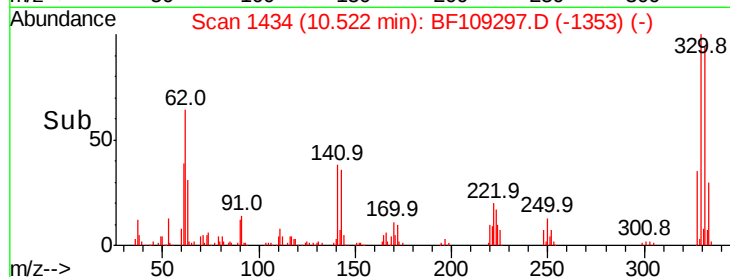
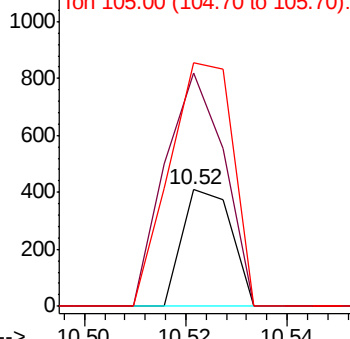
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.719 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109297.D
 Acq: 25 Sep 2018 20:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 277
 Ion Ratio Lower Upper
 198 100
 51 200.2 37.7 77.7#
 105 208.5 36.3 76.3#

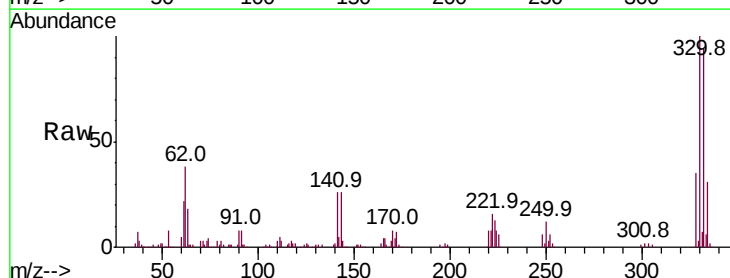


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

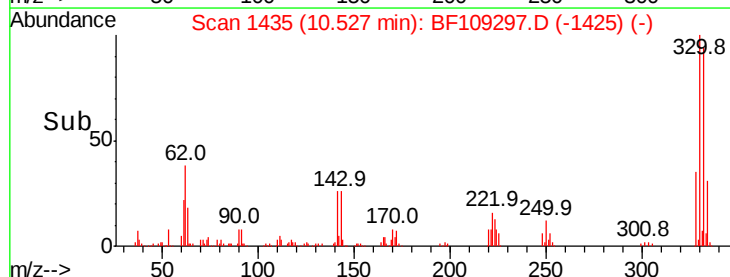
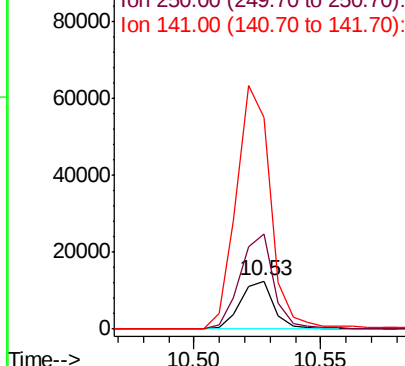


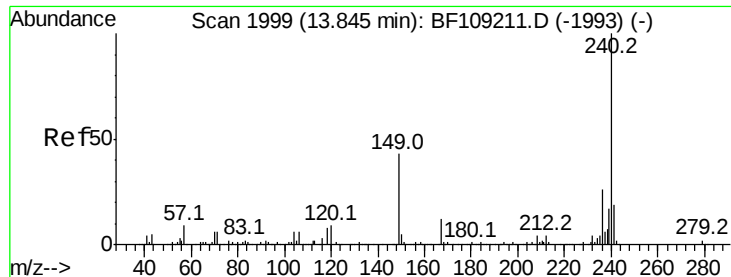
#66
 4-Bromophenyl-phenylether
 Concen: 3.413 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.24 min
 Lab File: BF109297.D
 Acq: 25 Sep 2018 20:22

Tgt Ion:248 Resp: 11393
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.9 115.3#
 141 442.0 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: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF109297.D

Acq: 25 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

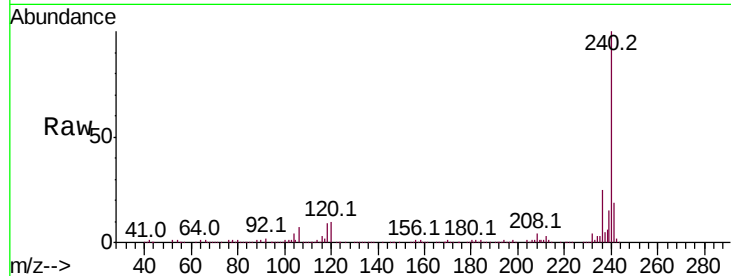
Tot Ion:240 Resp: 263376

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

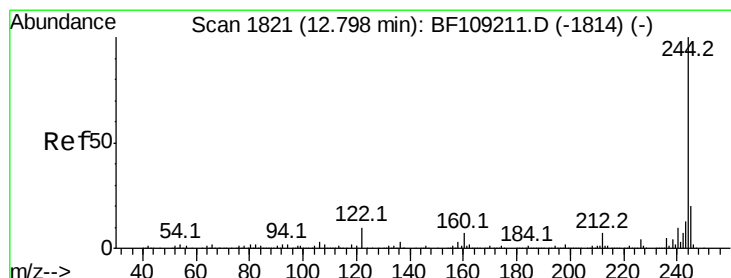
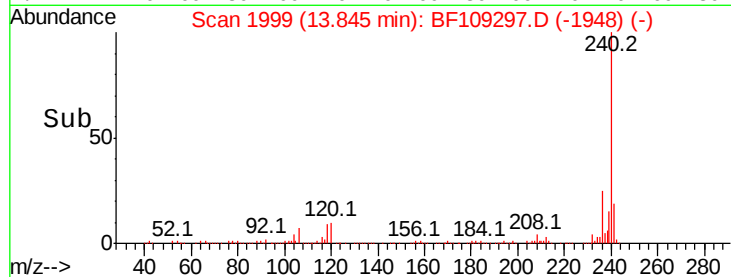
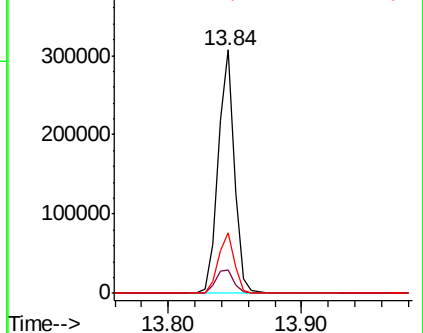
236 25.0 20.7 31.1



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: 88.034 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BF109297.D

Acq: 25 Sep 2018 20:22

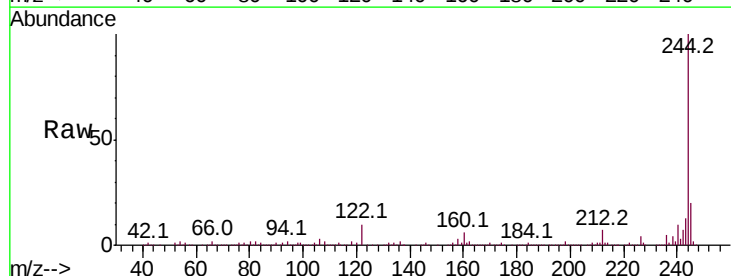
Tgt Ion:244 Resp: 944763

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

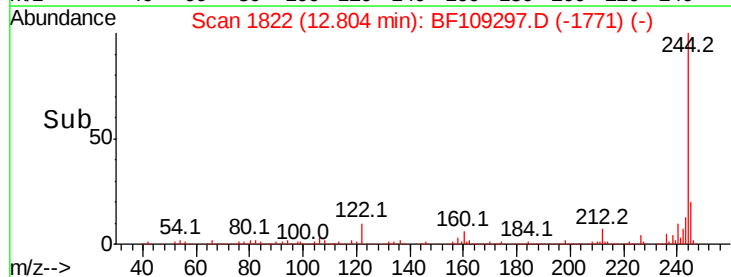
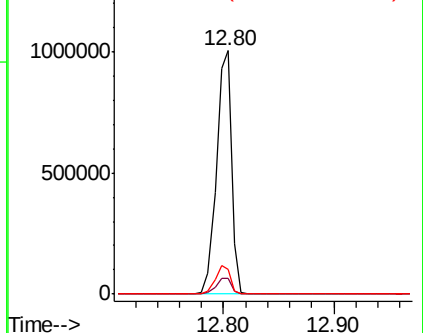
122 10.0 11.0 16.4#

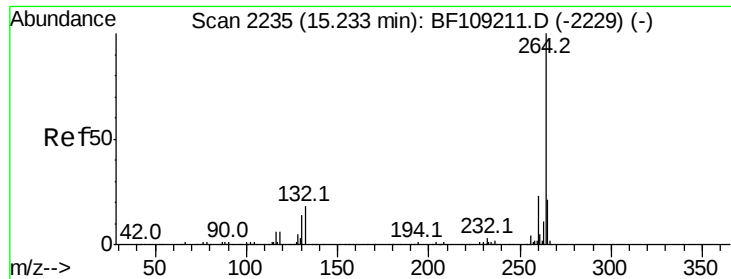


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



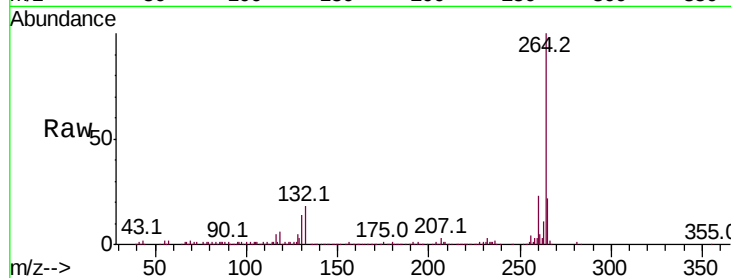


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109297.D
Acq: 25 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 190546

Ion	Ratio	Lower	Upper
264	100		
260	23.0	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

