

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098086.D
 Acq On : 29 Aug 2017 00:34
 Operator : SJ/JU
 Sample : I4964-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-082417

Quant Time: Aug 29 07:55:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

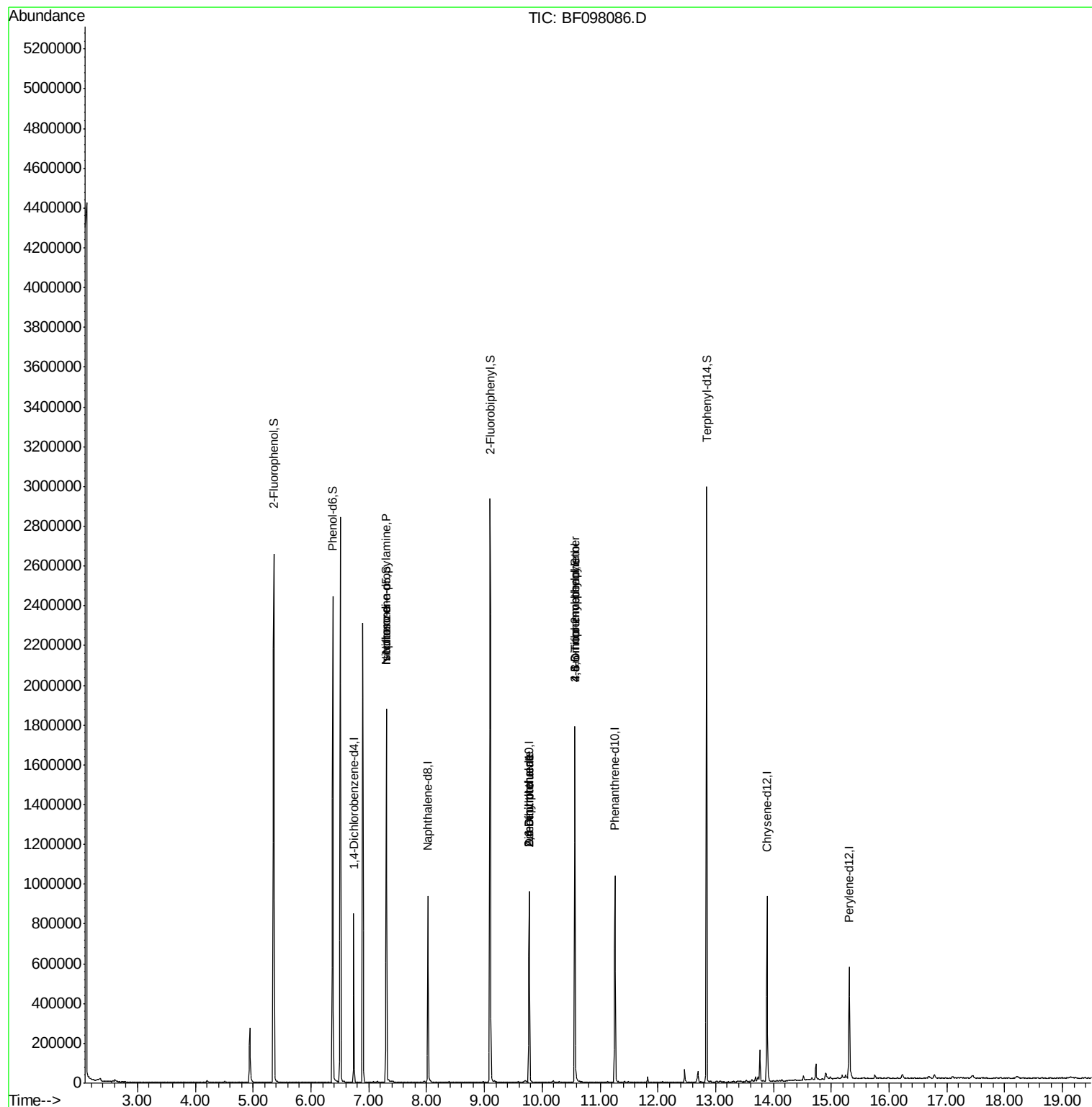
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	105740	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	415287	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	180577	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	357477	20.00	ng	0.00
75) Chrysene-d12	13.89	240	318320	20.00	ng	-0.01
86) Perylene-d12	15.31	264	259120	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	780842	112.32	ng	0.00
7) Phenol-d6	6.38	99	990704	104.89	ng	0.00
23) Nitrobenzene-d5	7.30	82	676987	88.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	208807	133.27	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	998936	81.28	ng	-0.01
78) Terphenyl-d14	12.85	244	958542	62.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	89165	13.790	ng	# 71
25) Isophorone	7.30	82	667496	41.992	ng	# 67
49) Dimethylphthalate	9.77	163	46931	3.555	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	23176	8.796	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	23176	7.009	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.57	198	518	8.575	ng	# 66
66) 4-Bromophenyl-phenylether	10.56	248	14102	3.799	ng	# 1

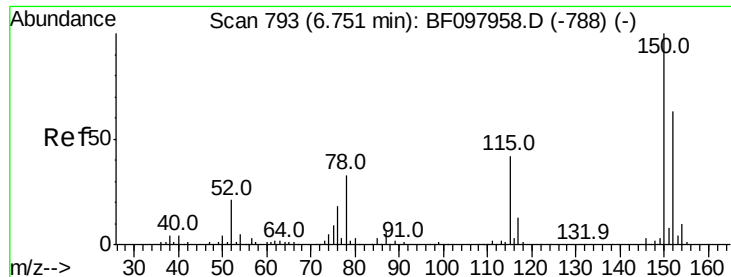
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098086.D
Acq On : 29 Aug 2017 00:34
Operator : SJ/JU
Sample : I4964-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-082417

Quant Time: Aug 29 07:55:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration



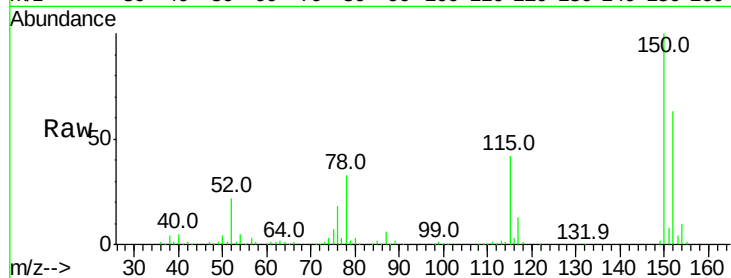


#1

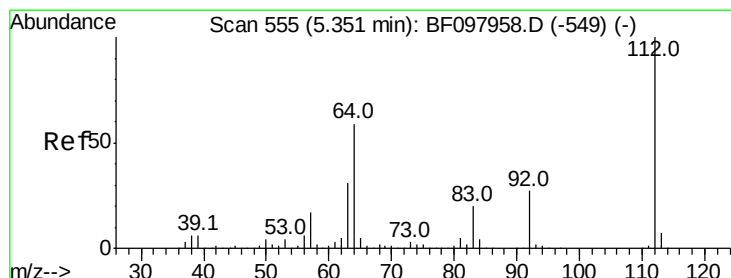
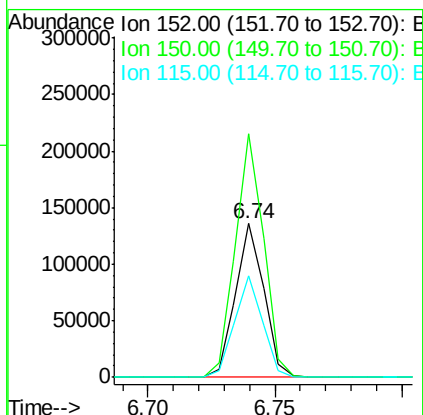
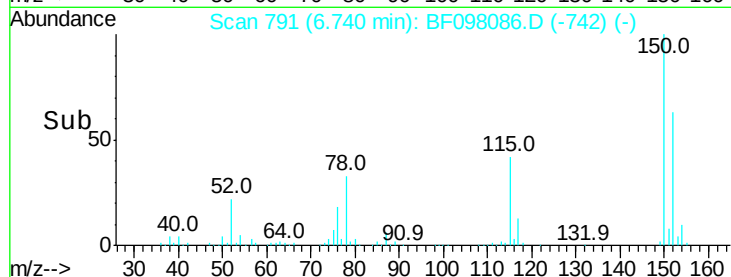
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098086.D
 Acq: 29 Aug 2017 00:34

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-082417

Tot Ion:152 Resp: 105740
 Ion Ratio Lower Upper
 152 100
 150 158.2 126.2 189.2
 115 65.8 52.2 78.2



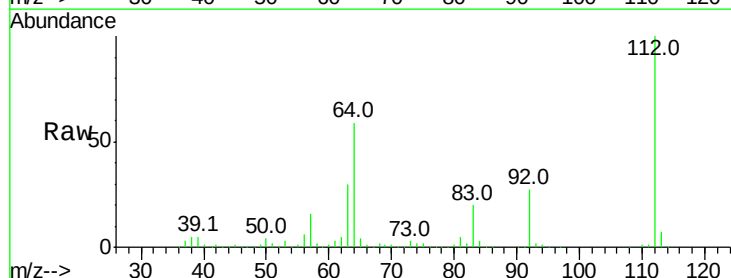
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



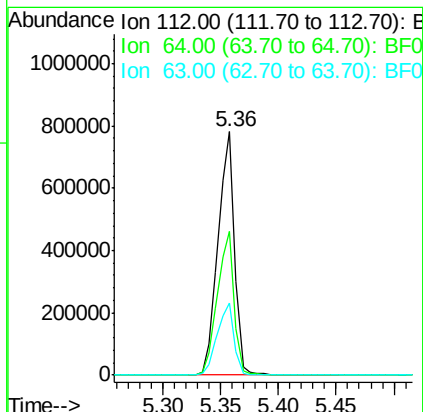
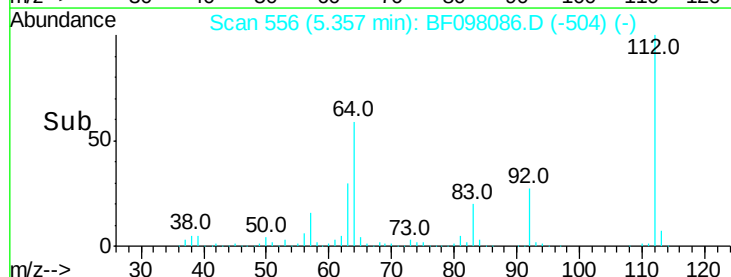
#5

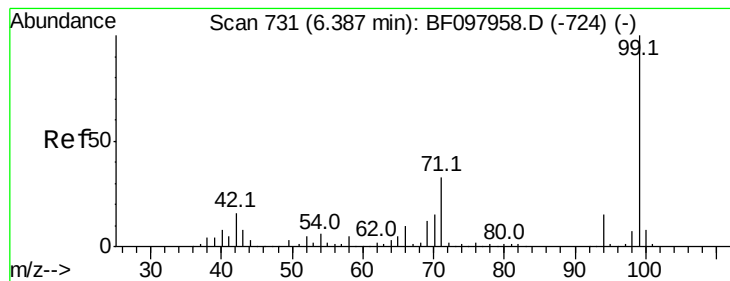
2-Fluorophenol
 Concen: 112.324 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF098086.D
 Acq: 29 Aug 2017 00:34

Tgt Ion:112 Resp: 780842
 Ion Ratio Lower Upper
 112 100
 64 59.2 46.0 69.0
 63 29.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.888 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

Instrument :

BNA_F

ClientSampleId :

OK-03-082417

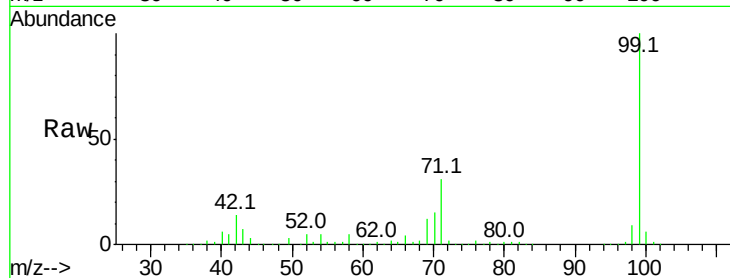
Tot Ion: 99 Resp: 990704

Ion Ratio Lower Upper

99 100

42 14.4 13.5 20.3

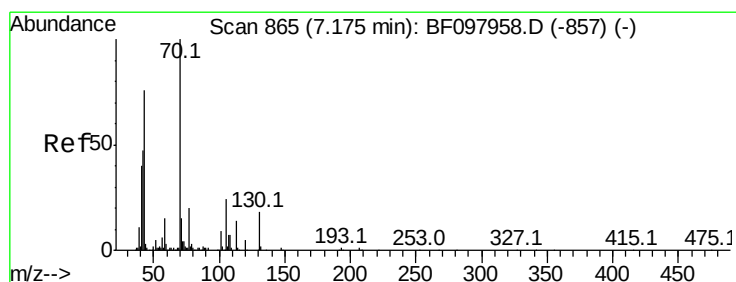
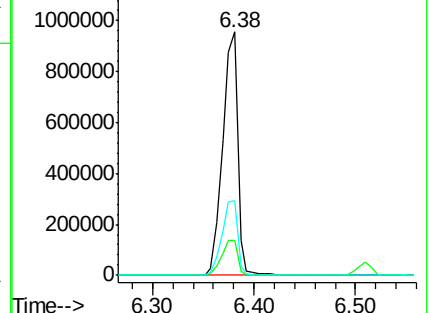
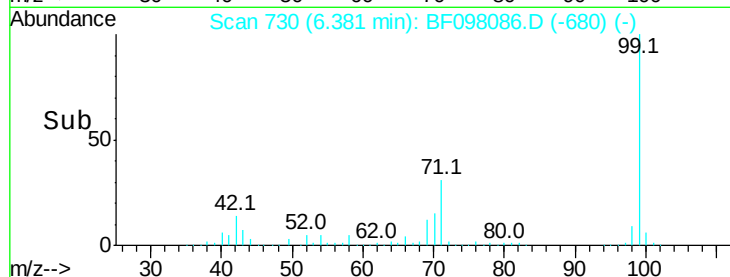
71 30.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.790 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

Tgt Ion: 70 Resp: 89165

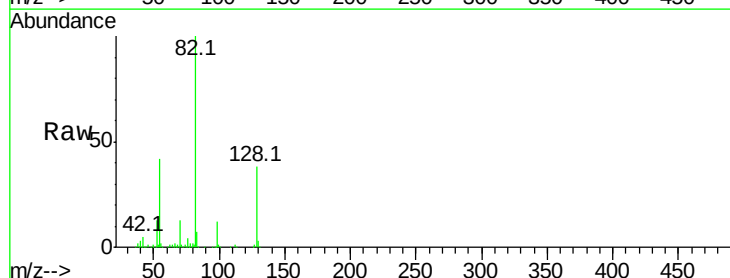
Ion Ratio Lower Upper

70 100

42 39.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

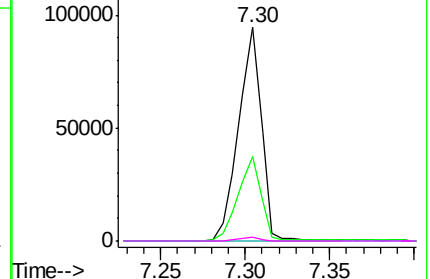
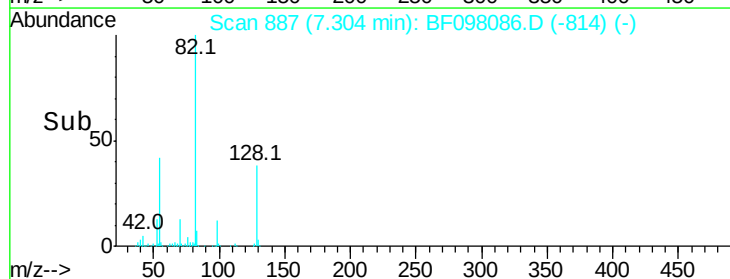


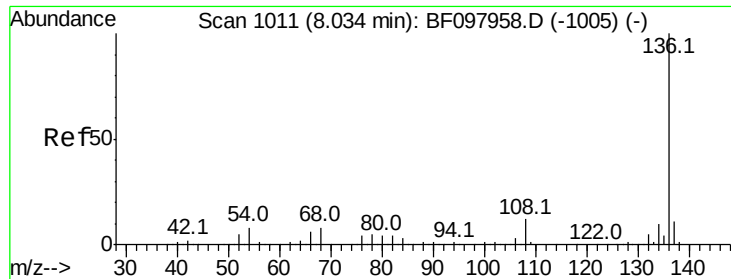
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

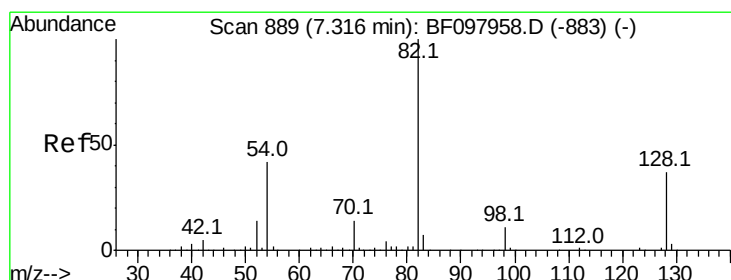
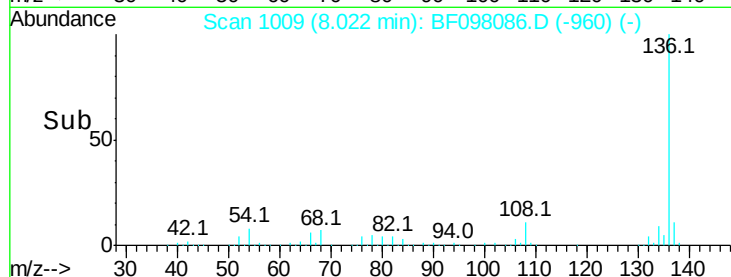
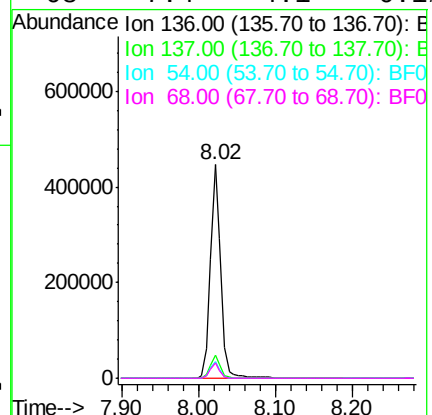
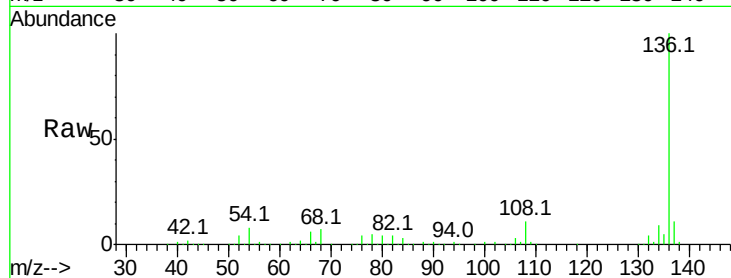




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098086.D
Acq: 29 Aug 2017 00:34

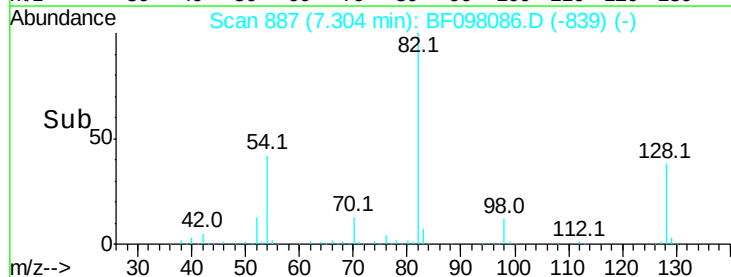
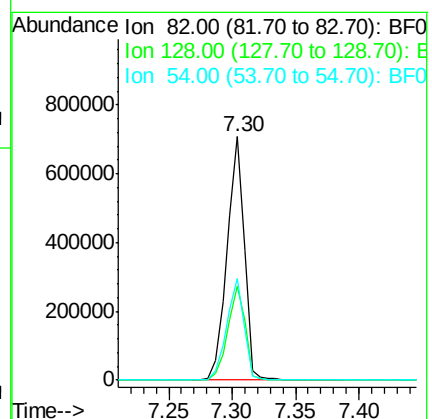
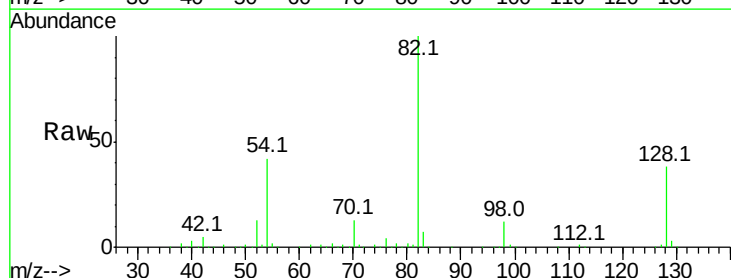
Instrument :
BNA_F
ClientSampleId :
OK-03-082417

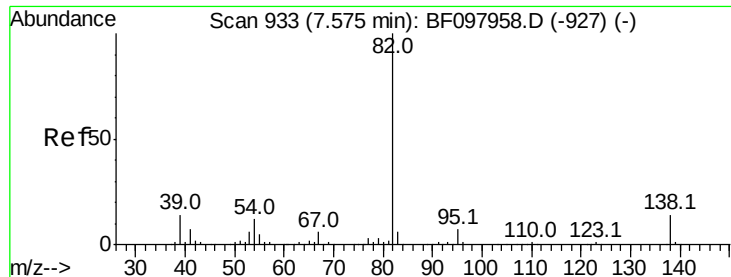
Tot Ion:136 Resp: 415287
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.9 4.9 7.3#
68 7.4 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 88.558 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098086.D
Acq: 29 Aug 2017 00:34

Tgt Ion: 82 Resp: 676987
Ion Ratio Lower Upper
82 100
128 38.4 34.0 51.0
54 41.8 42.2 63.2#





#25

Isophorone

Concen: 41.992 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

Instrument :

BNA_F

ClientSampleId :

OK-03-082417

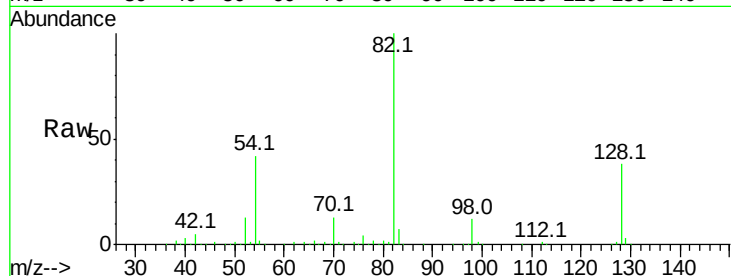
Tot Ion: 82 Resp: 667496

Ion Ratio Lower Upper

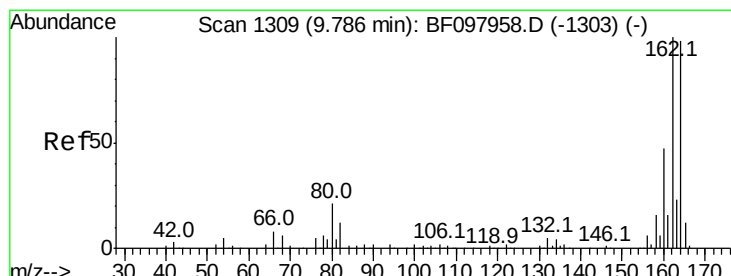
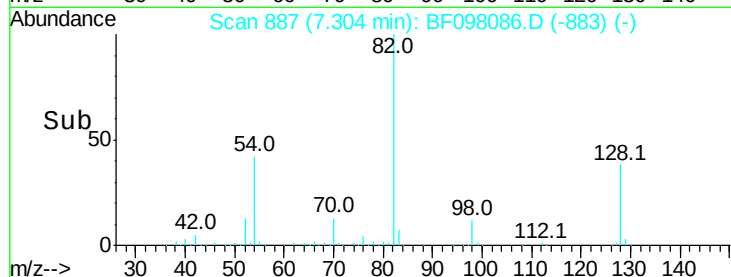
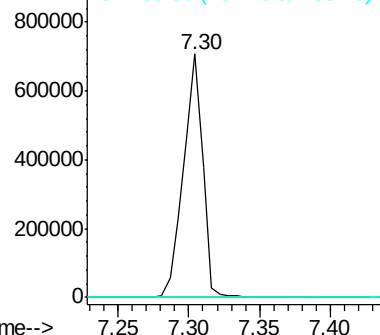
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

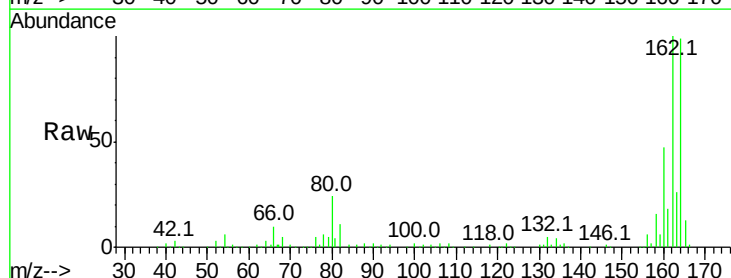
Tgt Ion:164 Resp: 180577

Ion Ratio Lower Upper

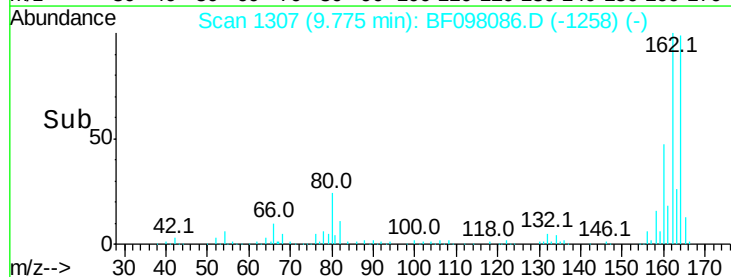
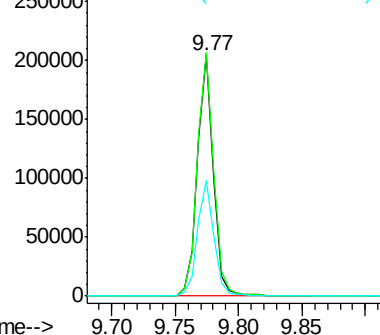
164 100

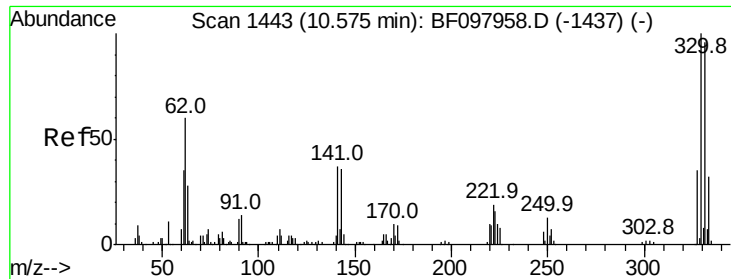
162 101.2 82.6 123.8

160 48.0 36.2 54.2



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

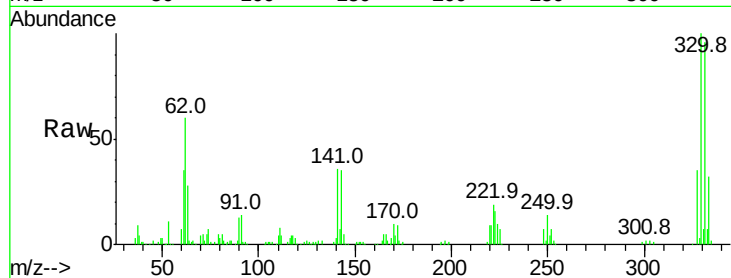




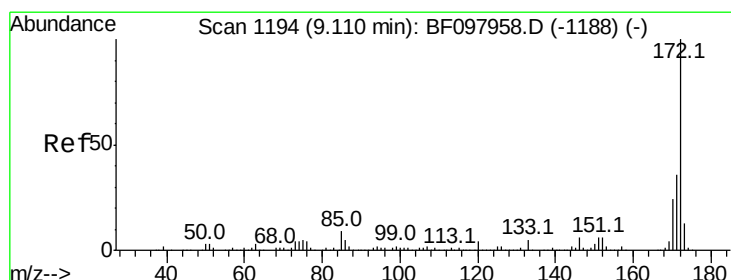
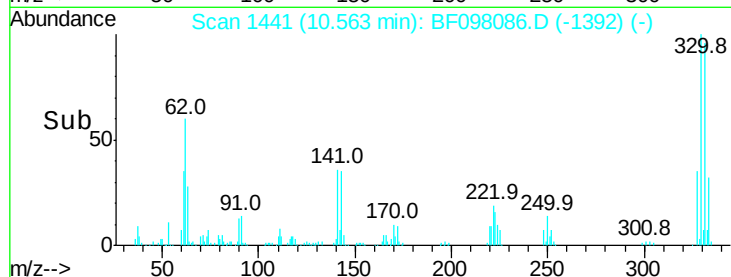
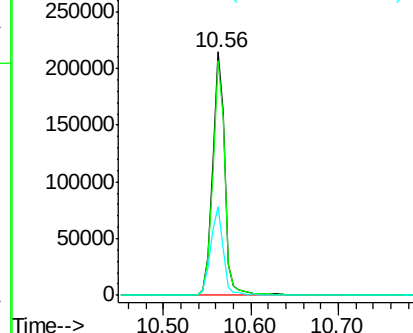
#41
 2,4,6-Tribromophenol
 Concen: 133.270 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098086.D
 Acq: 29 Aug 2017 00:34

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-082417

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	38.1	31.4	47.2

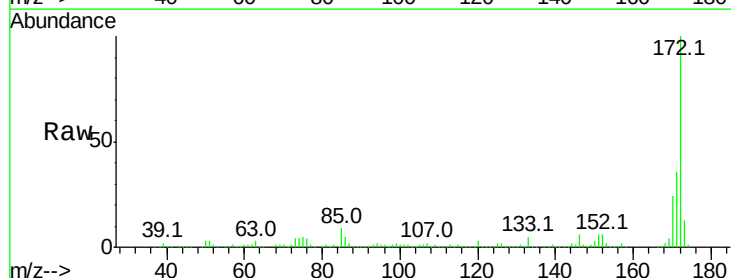


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

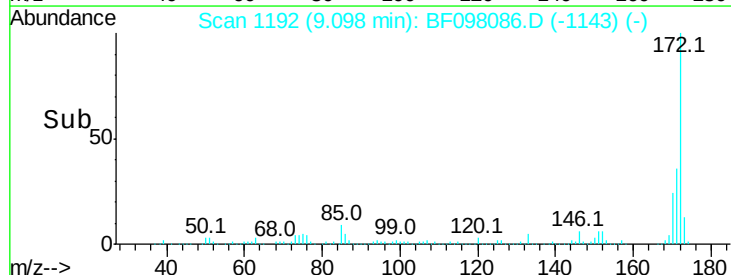
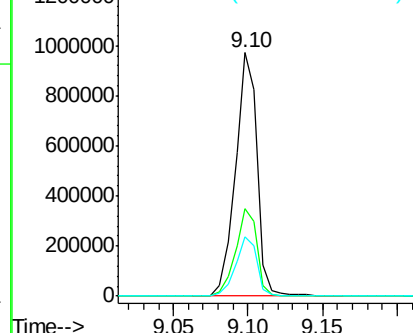


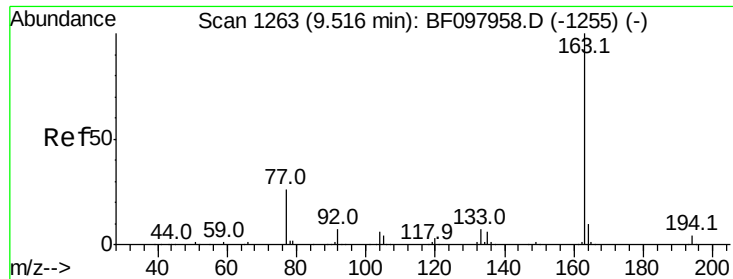
#44
 2-Fluorobiphenyl
 Concen: 81.275 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098086.D
 Acq: 29 Aug 2017 00:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.3	19.8	29.8



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

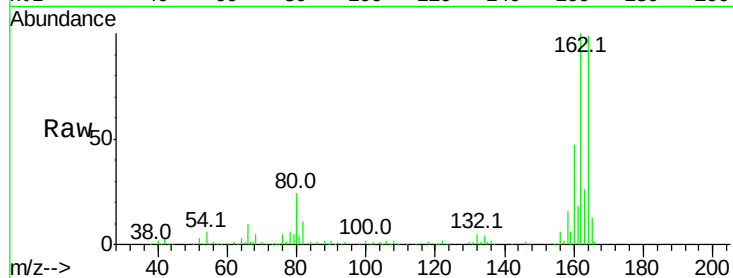




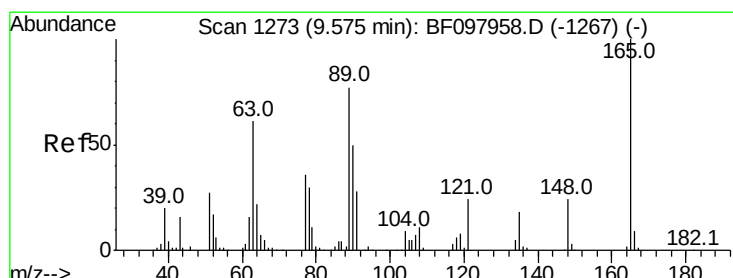
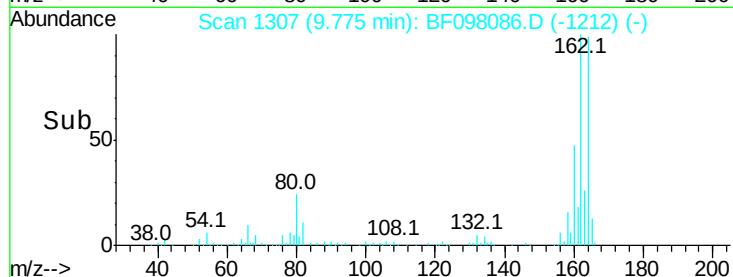
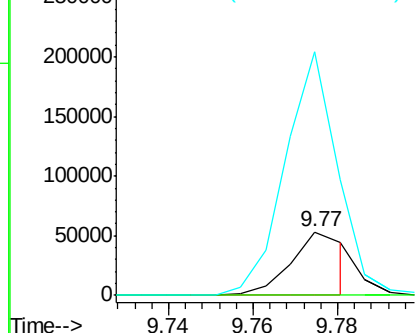
#49
Dimethylphthalate
Concen: 3.555 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.26 min
Lab File: BF098086.D
Acq: 29 Aug 2017 00:34

Instrument :
BNA_F
ClientSampleId :
OK-03-082417

Tot Ion:163 Resp: 46931
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 383.5 8.4 12.6#

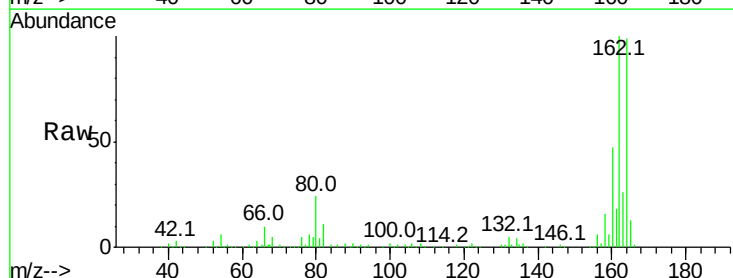


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

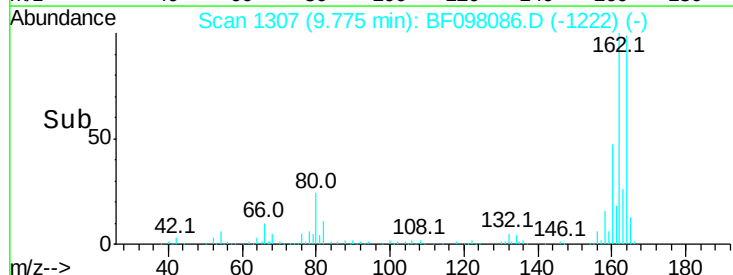
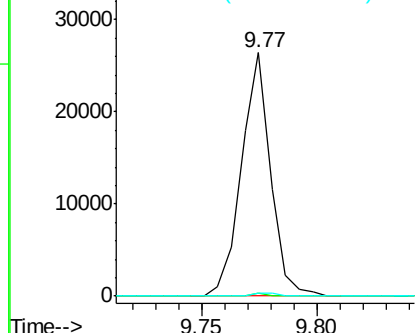


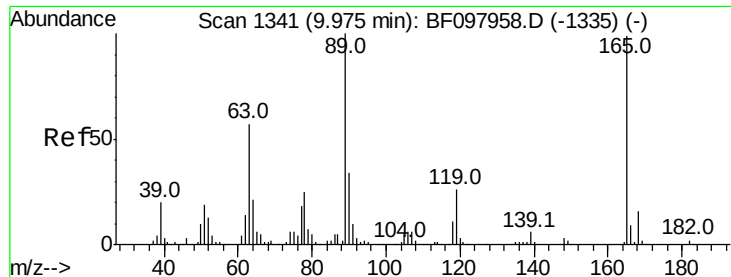
#50
2,6-Dinitrotoluene
Concen: 8.796 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.20 min
Lab File: BF098086.D
Acq: 29 Aug 2017 00:34

Tgt Ion:165 Resp: 23176
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 1.2 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.009 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

Instrument :

BNA_F

ClientSampleId :

OK-03-082417

Tot Ion:165 Resp: 23176

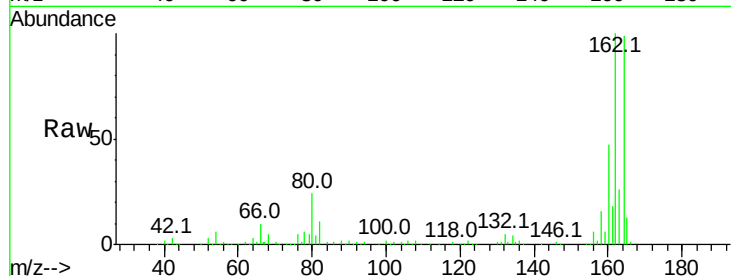
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

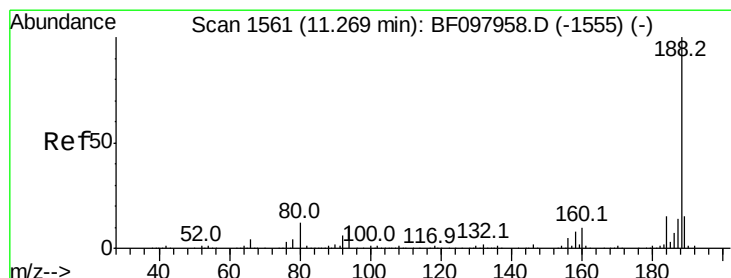
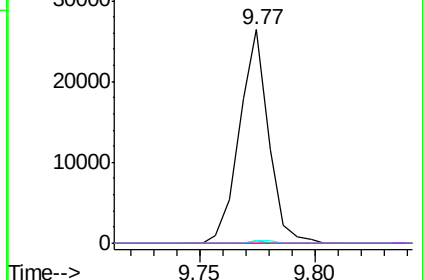
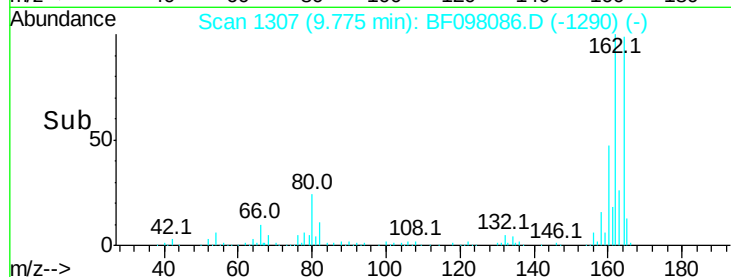


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

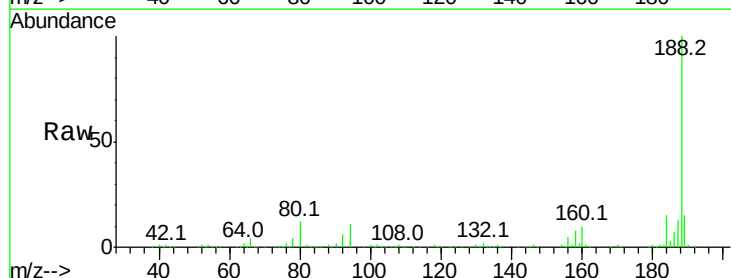
Tgt Ion:188 Resp: 357477

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

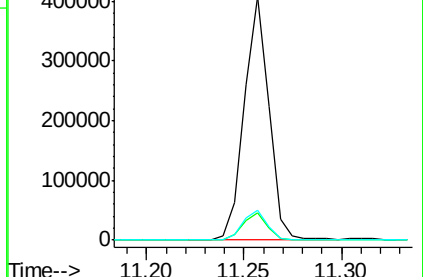
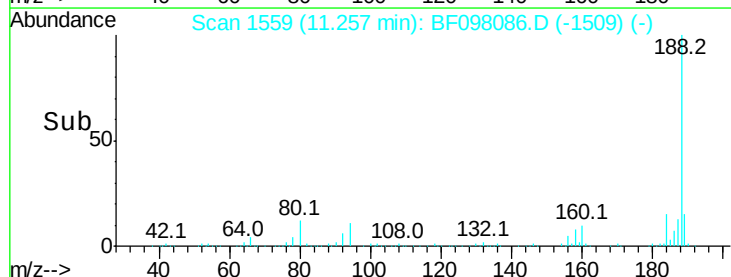
80 12.2 10.2 15.2

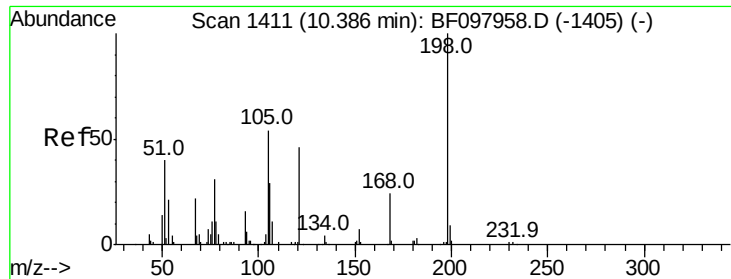


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.575 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.19 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

Instrument :

BNA_F

ClientSampleId :

OK-03-082417

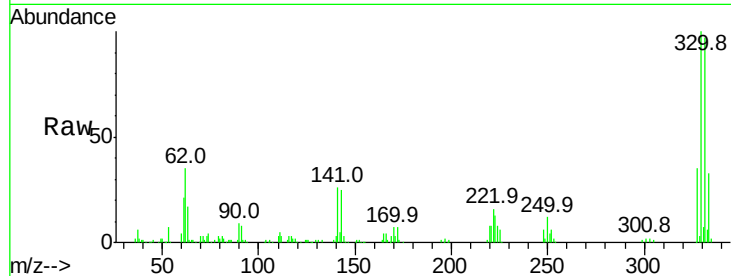
Tot Ion:198 Resp: 518

Ion Ratio Lower Upper

198 100

51 89.8 53.2 93.2

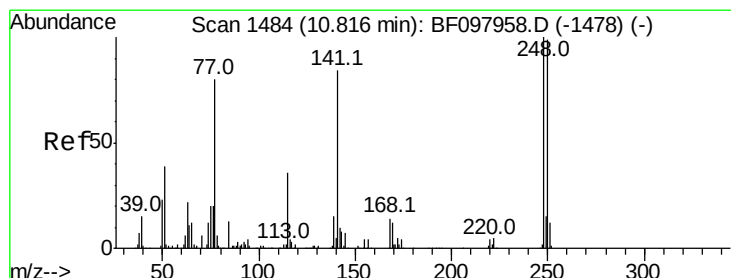
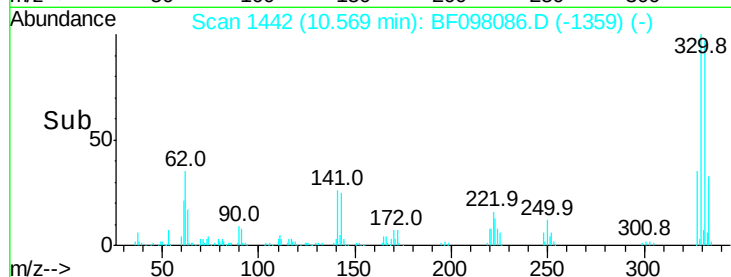
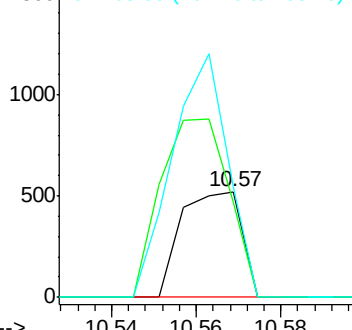
105 105.0 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.799 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.25 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

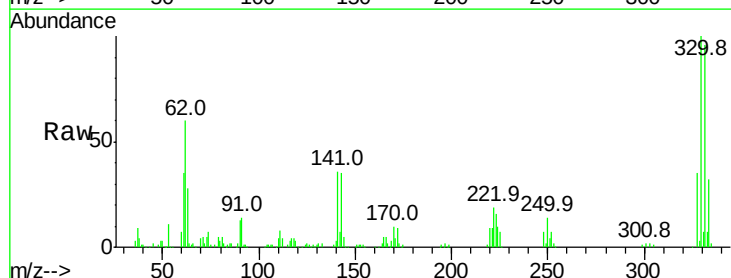
Tgt Ion:248 Resp: 14102

Ion Ratio Lower Upper

248 100

250 207.3 76.8 115.2#

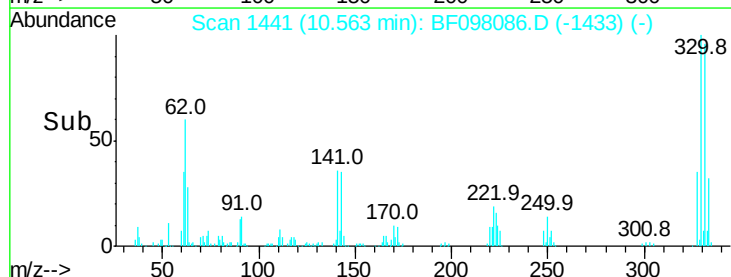
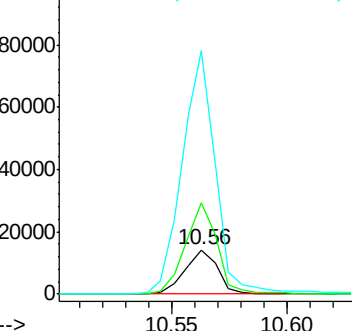
141 549.9 68.6 103.0#

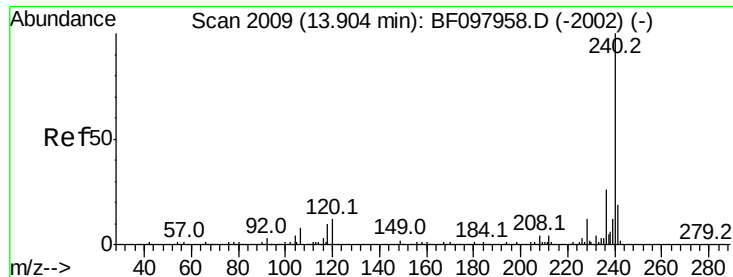


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

Instrument :

BNA_F

ClientSampleId :

OK-03-082417

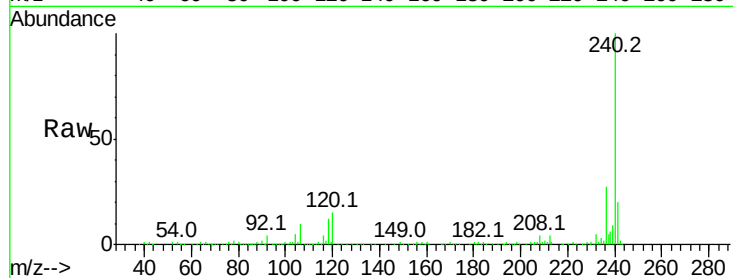
Tot Ion:240 Resp: 318320

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

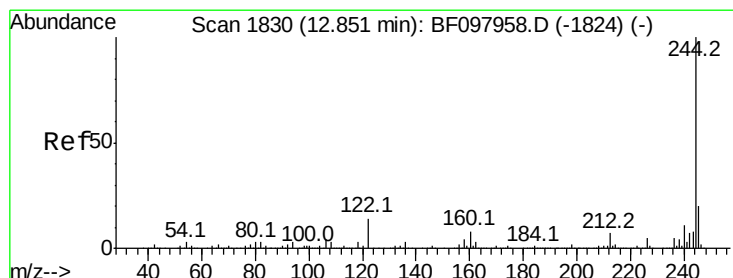
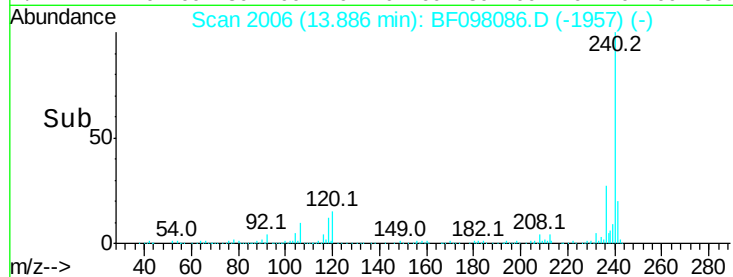
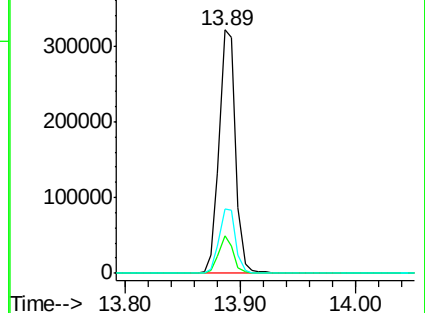
236 26.6 20.5 30.7



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: 62.795 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098086.D

Acq: 29 Aug 2017 00:34

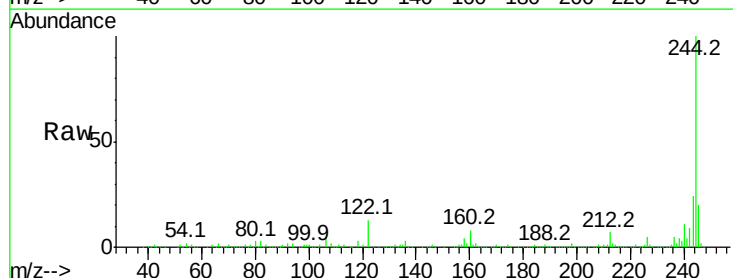
Tgt Ion:244 Resp: 958542

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

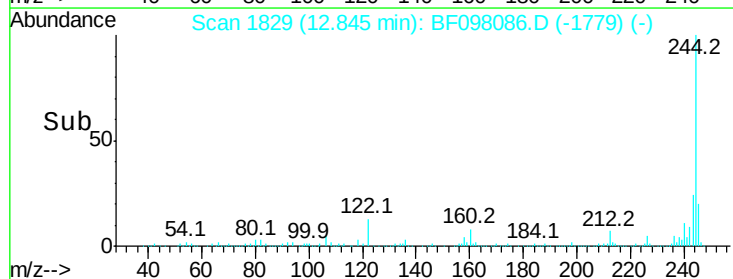
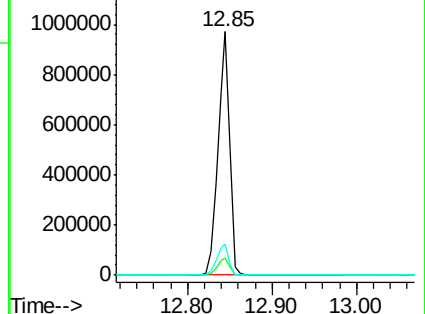
122 13.0 10.3 15.5

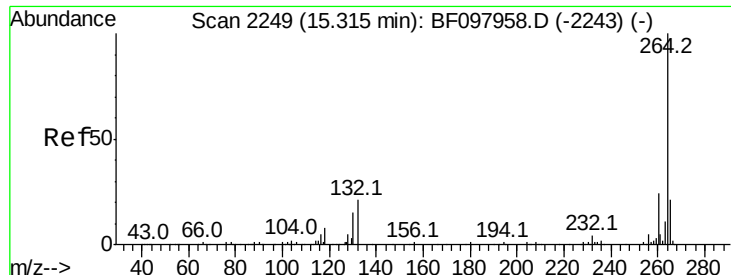


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

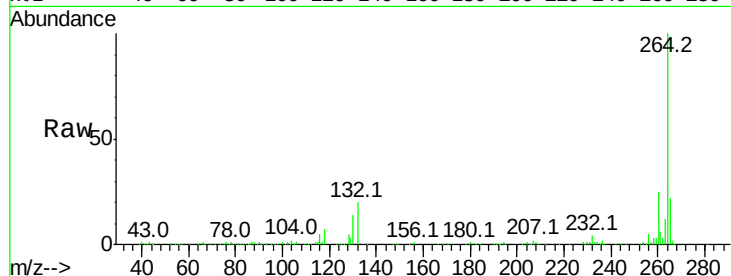




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.00 min
 Lab File: BF098086.D
 Acq: 29 Aug 2017 00:34

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-082417

Tot Ion: 264 Resp: 259120
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 21.7 17.2 25.8



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

