

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098082.D
 Acq On : 28 Aug 2017 22:43
 Operator : SJ/JU
 Sample : I4948-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-A-COMP

Quant Time: Aug 29 07:53:54 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

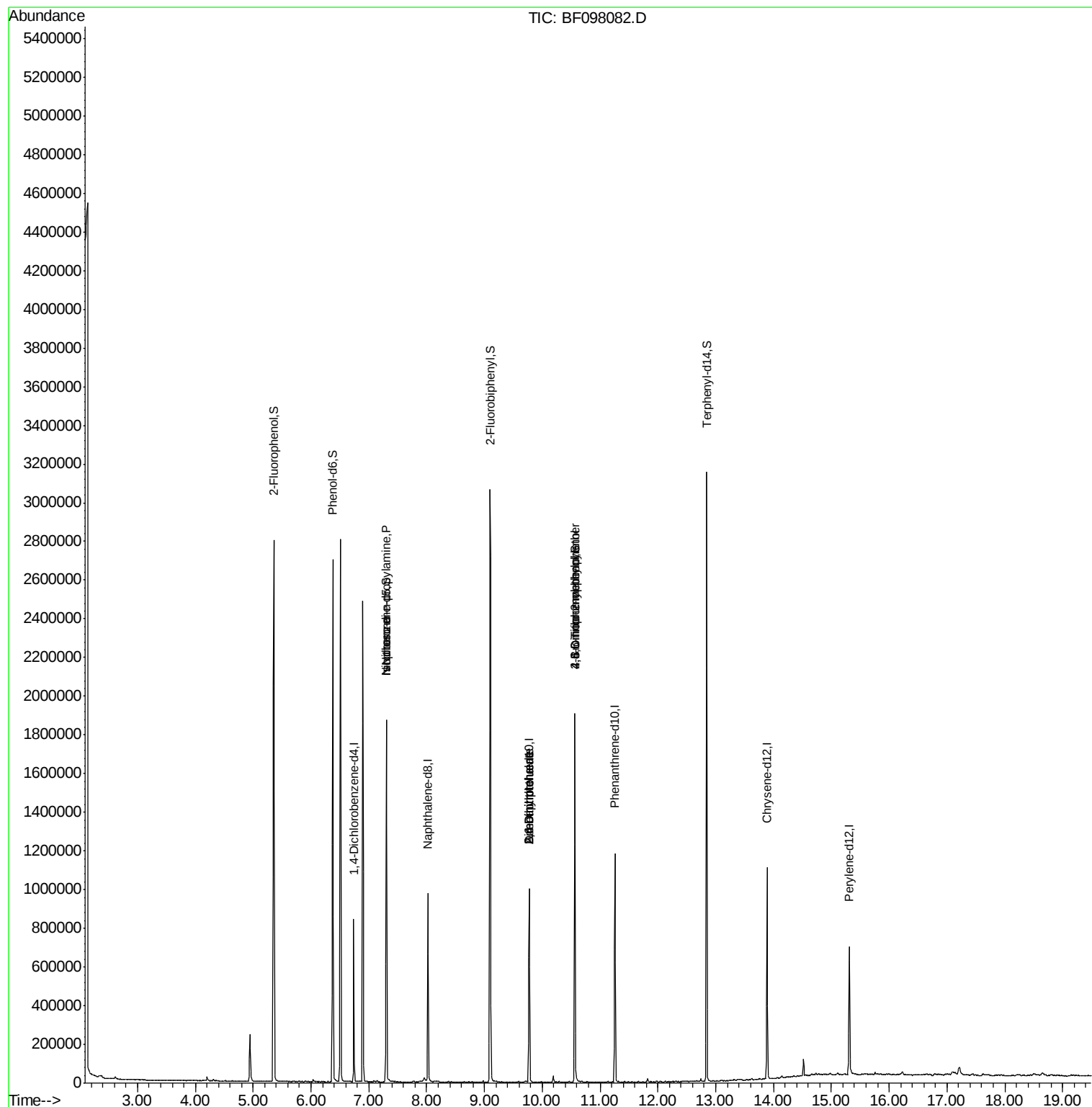
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	107872	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	426999	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	194385	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	387325	20.00	ng	0.00
75) Chrysene-d12	13.89	240	366433	20.00	ng	0.00
86) Perylene-d12	15.31	264	309555	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	826713	116.57	ng	0.00
7) Phenol-d6	6.38	99	1024530	106.33	ng	0.00
23) Nitrobenzene-d5	7.30	82	725071	92.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	243236	144.22	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1085656	82.06	ng	-0.01
78) Terphenyl-d14	12.85	244	1111656	63.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	96949	14.698	ng	# 71
25) Isophorone	7.30	82	717933	43.926	ng	# 67
49) Dimethylphthalate	9.77	163	48402	3.406	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	24390	8.599	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	24390	6.852	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	503	8.549	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	15717	3.908	ng	# 1

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

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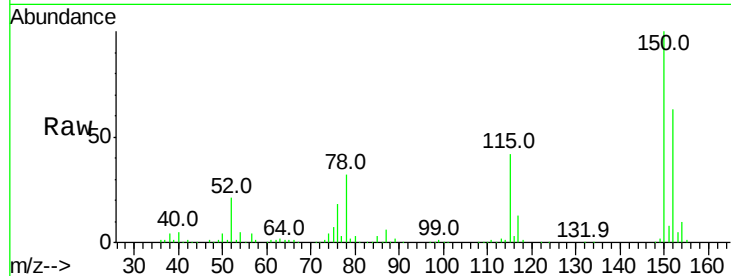


#1

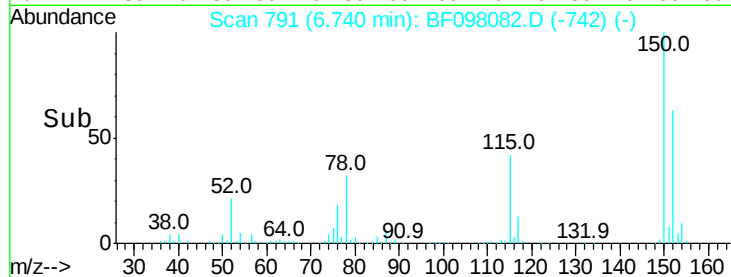
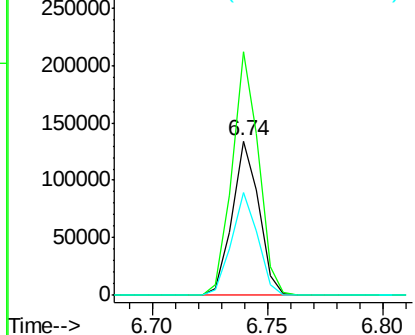
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098082.D
 Acq: 28 Aug 2017 22:43

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-A-COMP

Tot Ion:152 Resp: 107872
 Ion Ratio Lower Upper
 152 100
 150 157.5 126.2 189.2
 115 66.6 52.2 78.2



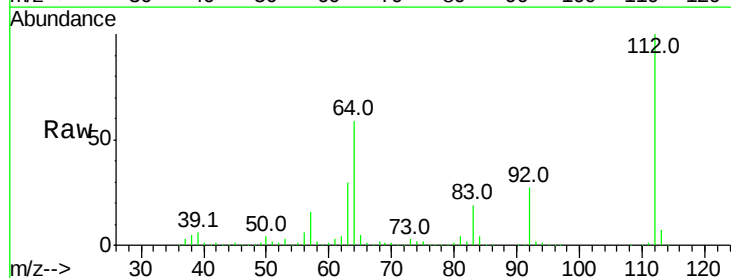
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



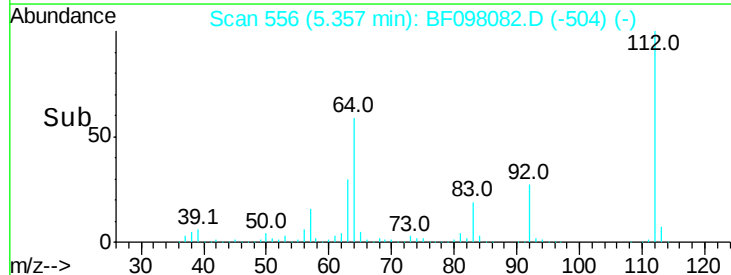
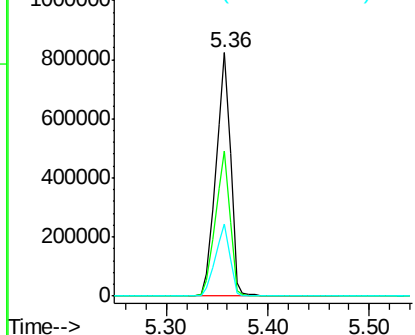
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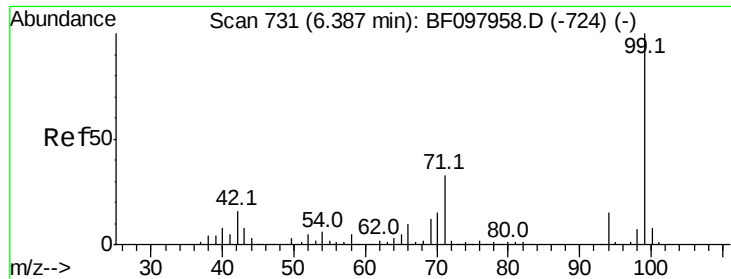
2-Fluorophenol
 Concen: 116.573 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF098082.D
 Acq: 28 Aug 2017 22:43

Tgt Ion:112 Resp: 826713
 Ion Ratio Lower Upper
 112 100
 64 59.3 46.0 69.0
 63 29.5 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: 106.326 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

Instrument :

BNA_F

ClientSampleId :

MANHOLE-A-COMP

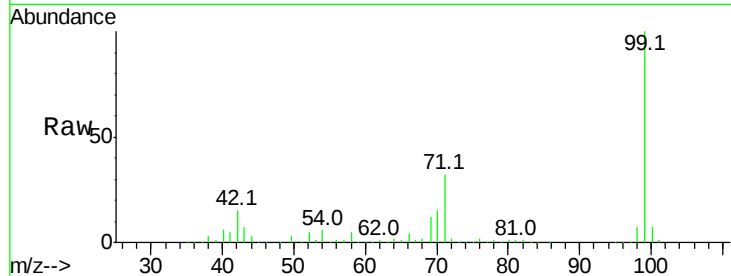
Tot Ion: 99 Resp: 1024530

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

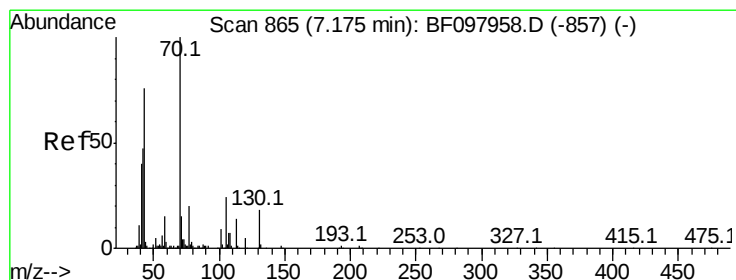
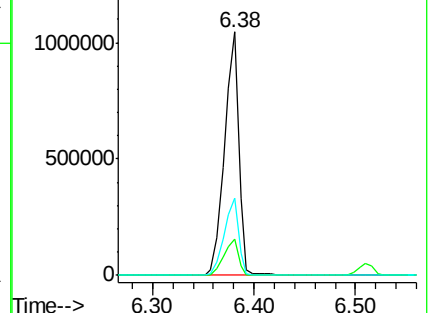
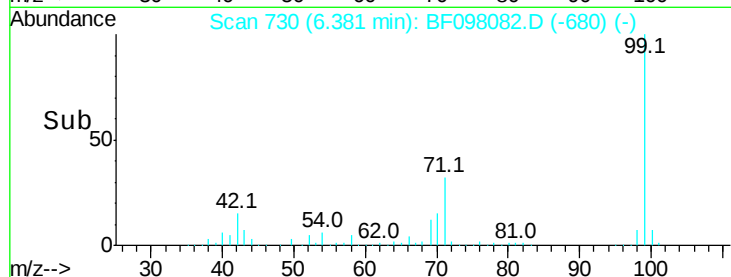
71 31.9 24.5 36.7



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: 14.698 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

Tgt Ion: 70 Resp: 96949

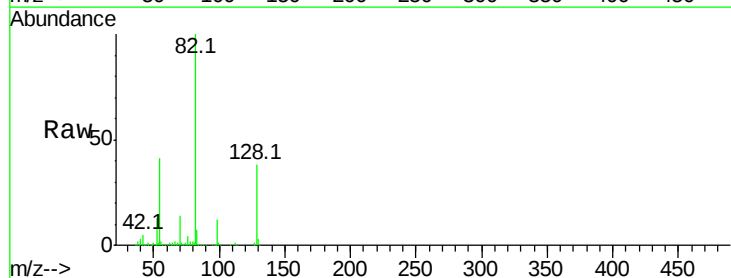
Ion Ratio Lower Upper

70 100

42 39.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

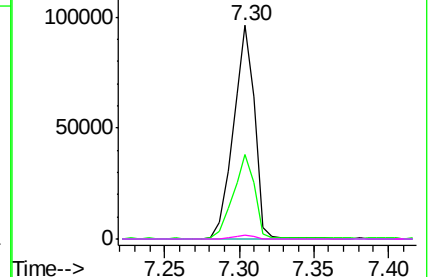
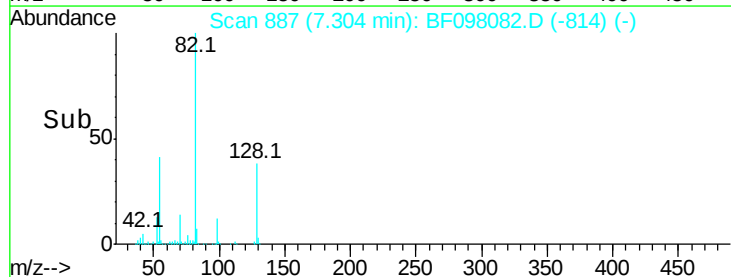


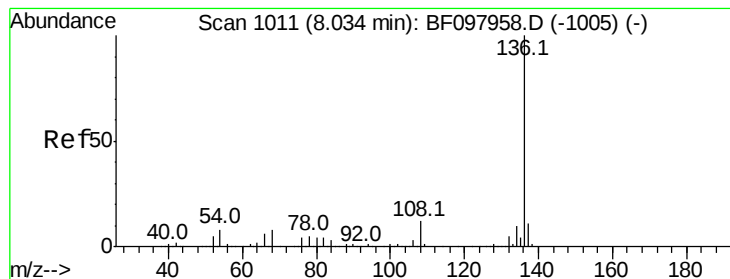
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

Instrument :

BNA_F

ClientSampleId :

MANHOLE-A-COMP

Tot Ion:136 Resp: 426999

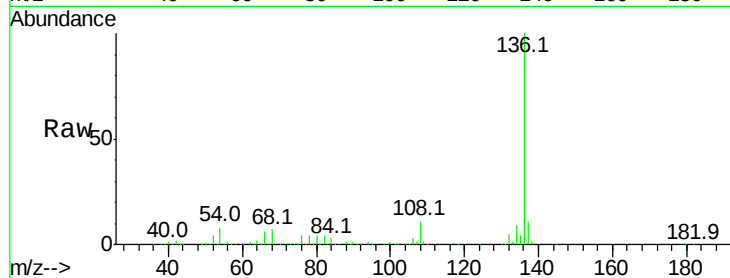
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 8.0 4.9 7.3#

68 7.3 4.1 6.1#

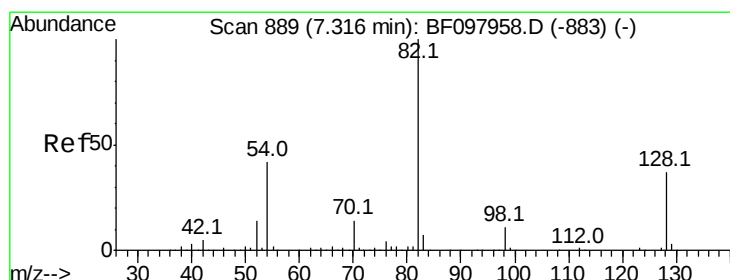
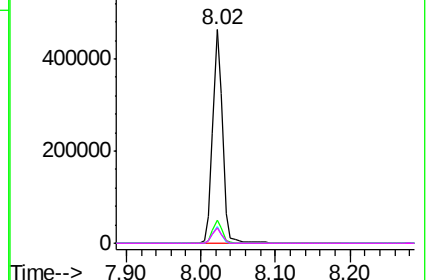
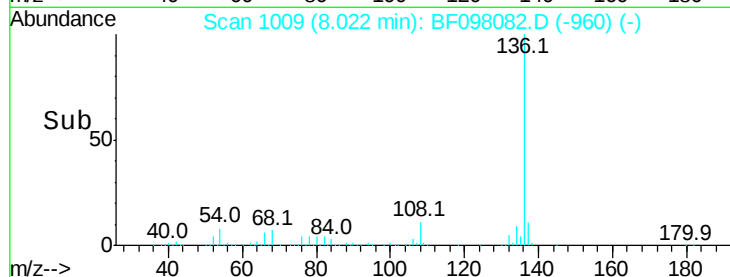


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 92.247 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

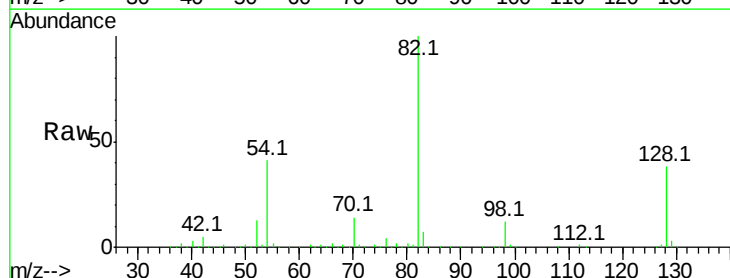
Tgt Ion: 82 Resp: 725071

Ion Ratio Lower Upper

82 100

128 38.1 34.0 51.0

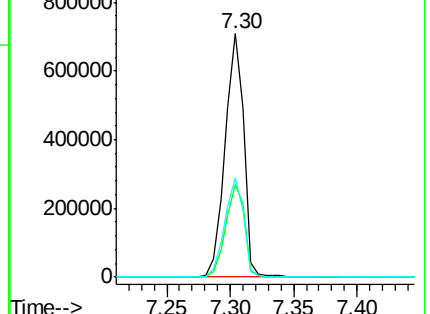
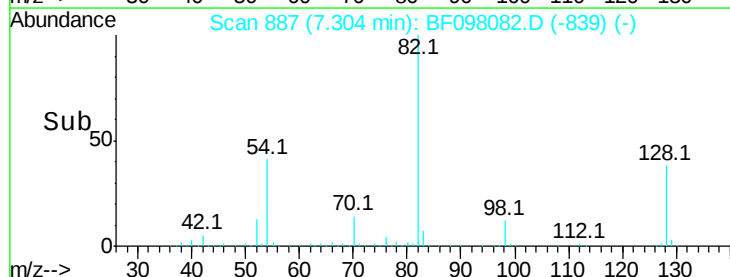
54 40.5 42.2 63.2#

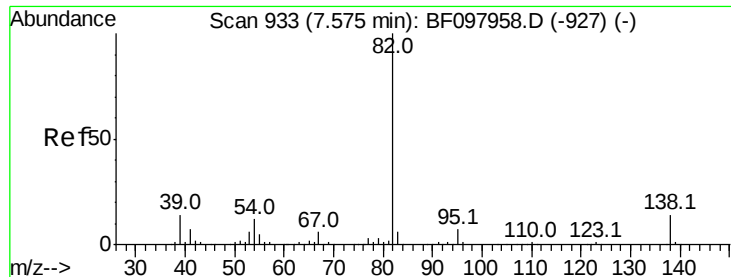


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.926 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

Instrument :

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ClientSampleId :

MANHOLE-A-COMP

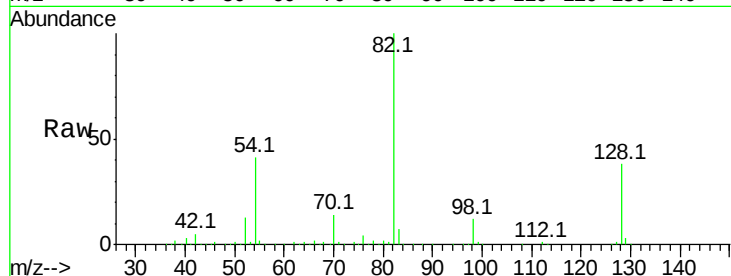
Tot Ion: 82 Resp: 717933

Ion Ratio Lower Upper

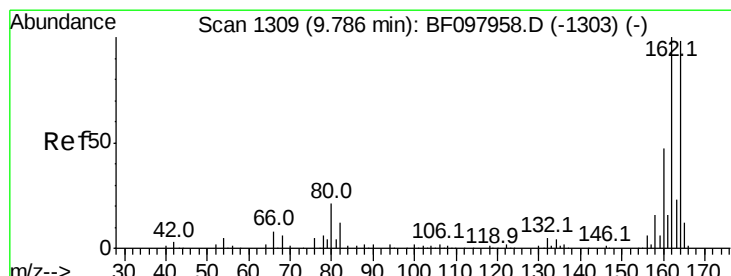
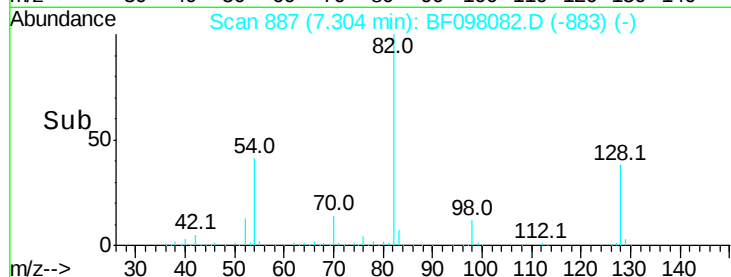
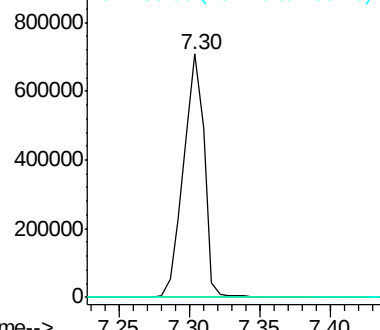
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

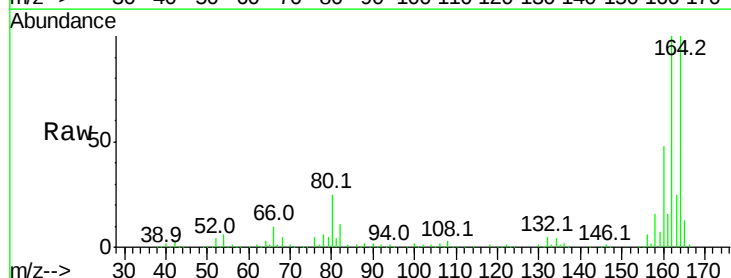
Tgt Ion: 164 Resp: 194385

Ion Ratio Lower Upper

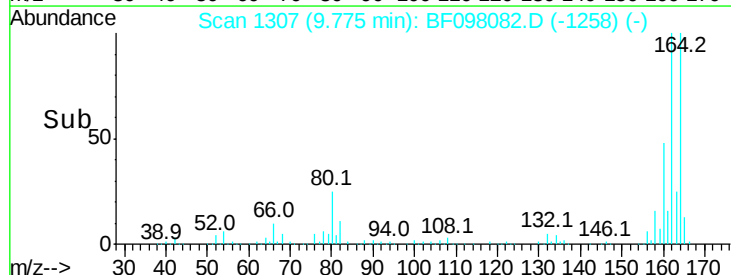
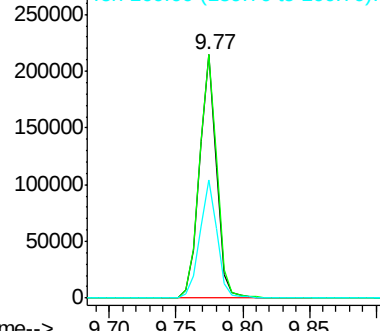
164 100

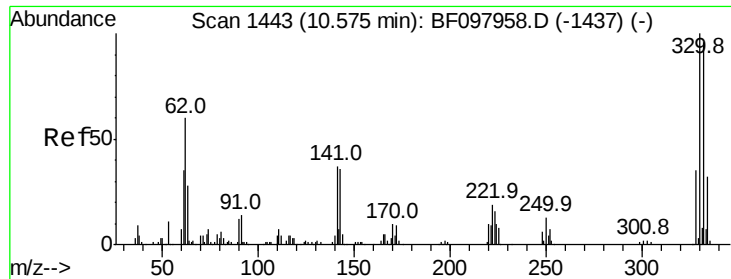
162 100.1 82.6 123.8

160 48.4 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

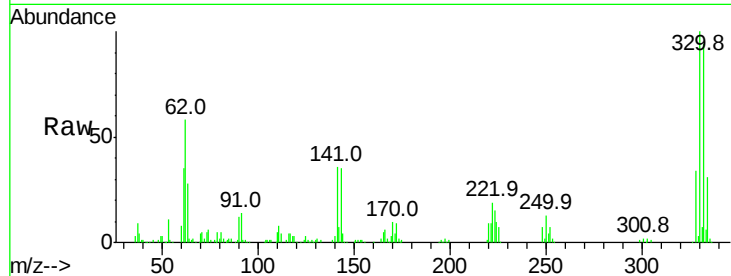




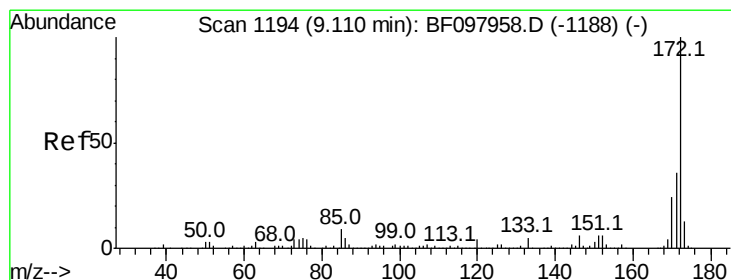
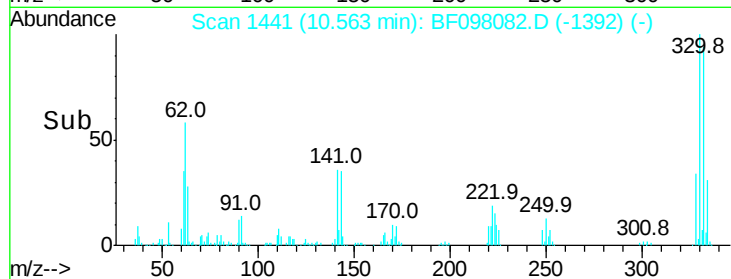
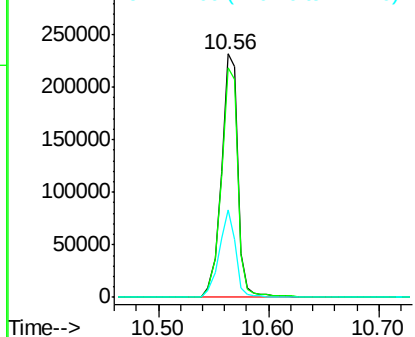
#41
 2,4,6-Tribromophenol
 Concen: 144.216 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098082.D
 Acq: 28 Aug 2017 22:43

Instrument :
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Tot Ion:330 Resp: 243236
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 115.0
 141 35.5 31.4 47.2

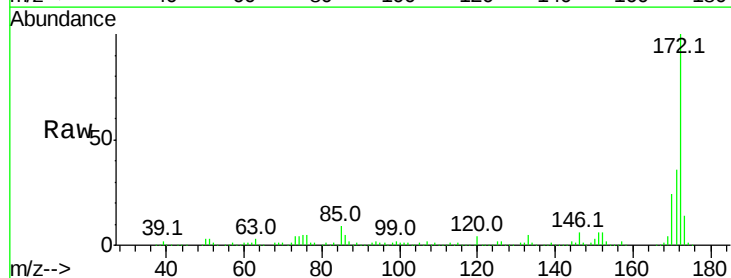


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

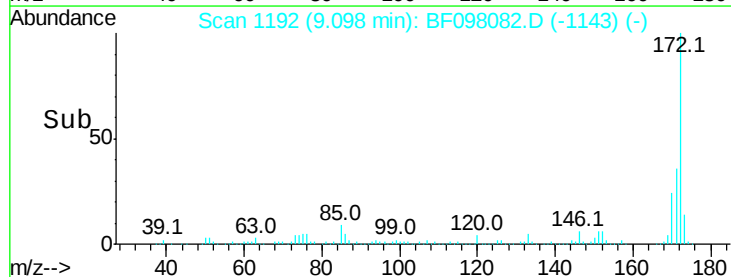
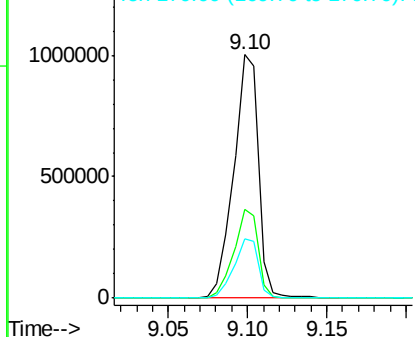


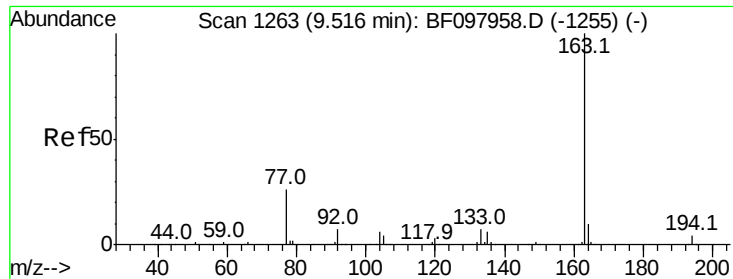
#44
 2-Fluorobiphenyl
 Concen: 82.056 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098082.D
 Acq: 28 Aug 2017 22:43

Tgt Ion:172 Resp: 1085656
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.5 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

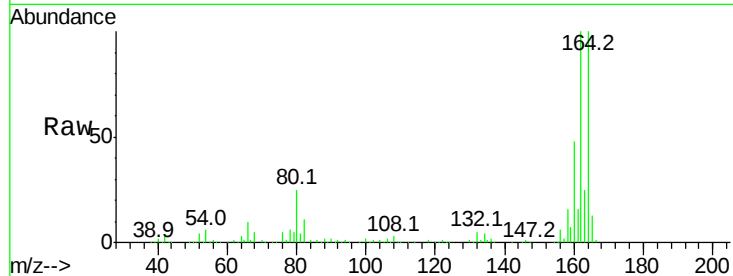




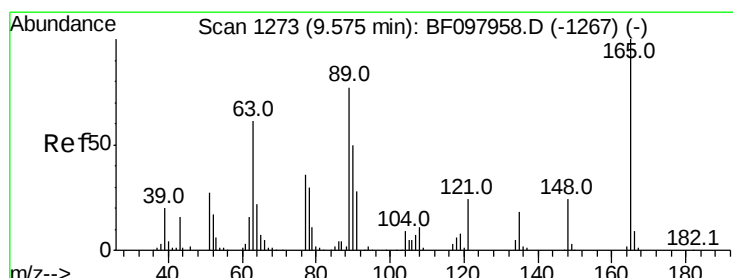
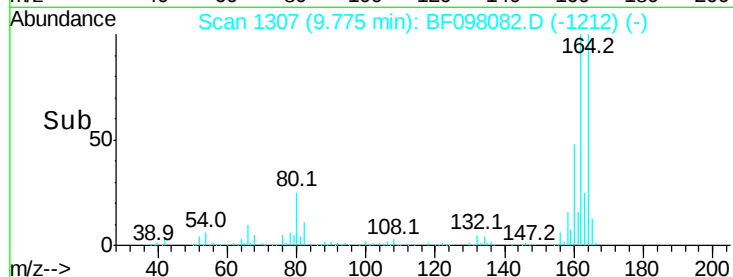
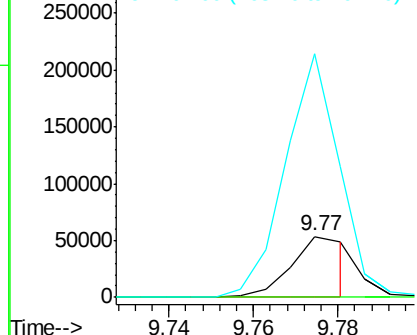
#49
 Dimethylphthalate
 Concen: 3.406 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.26 min
 Lab File: BF098082.D
 Acq: 28 Aug 2017 22:43

Instrument :
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Tot Ion:163 Resp: 48402
 Ion Ratio Lower Upper
 163 100
 194 0.0 2.6 4.0#
 164 400.0 8.4 12.6#

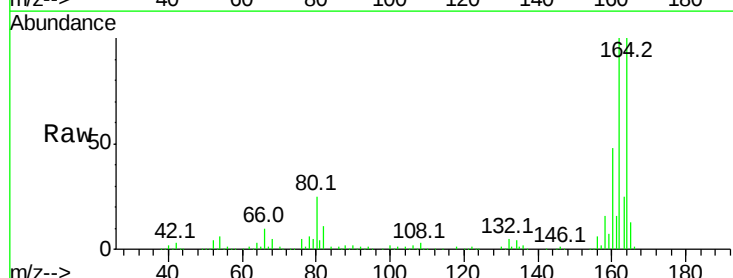


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

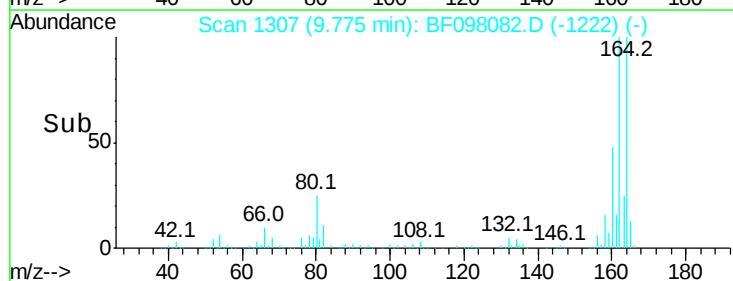
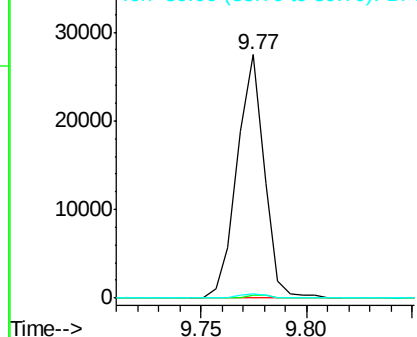


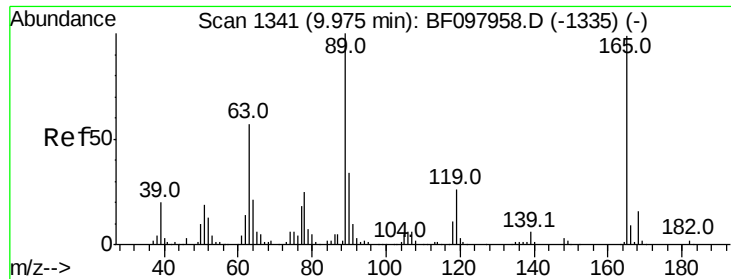
#50
 2,6-Dinitrotoluene
 Concen: 8.599 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.20 min
 Lab File: BF098082.D
 Acq: 28 Aug 2017 22:43

Tgt Ion:165 Resp: 24390
 Ion Ratio Lower Upper
 165 100
 63 1.4 34.3 51.5#
 89 1.7 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

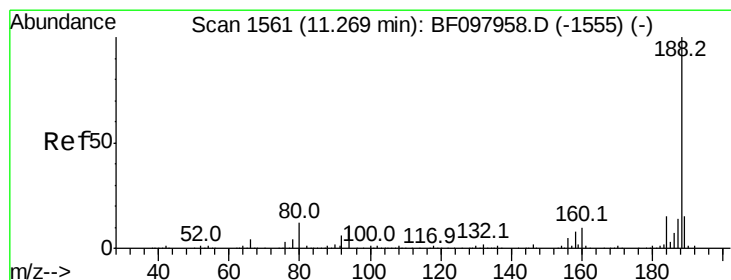
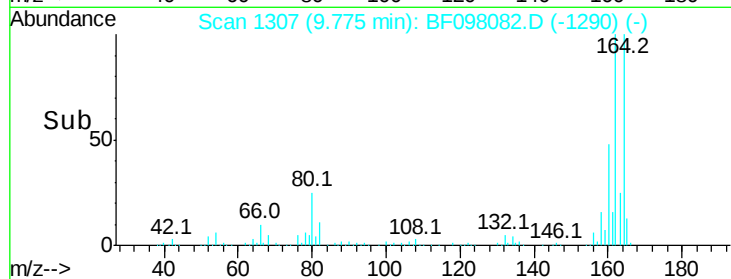
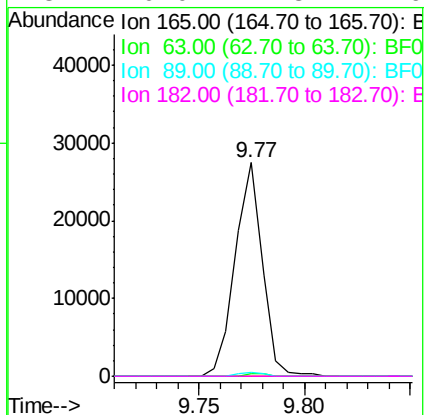
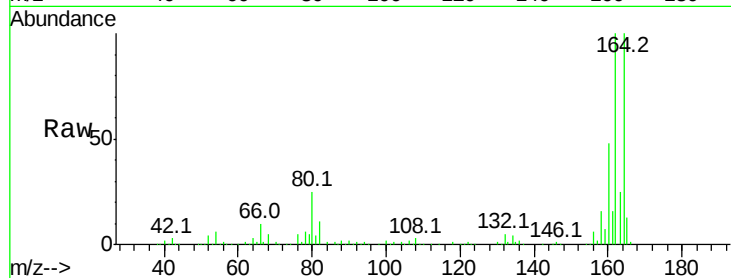




#56
 2,4-Dinitrotoluene
 Concen: 6.852 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF098082.D
 Acq: 28 Aug 2017 22:43

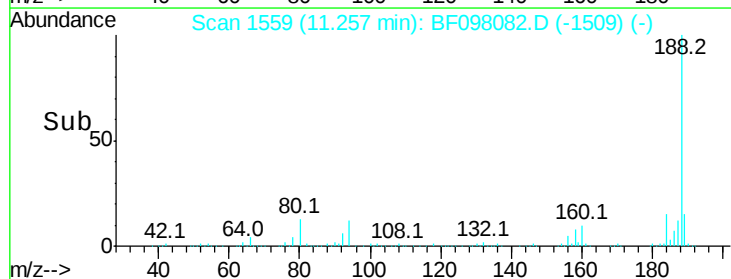
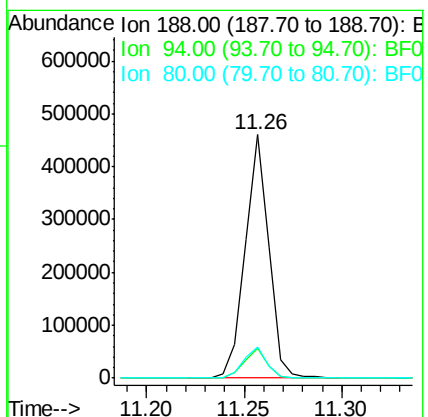
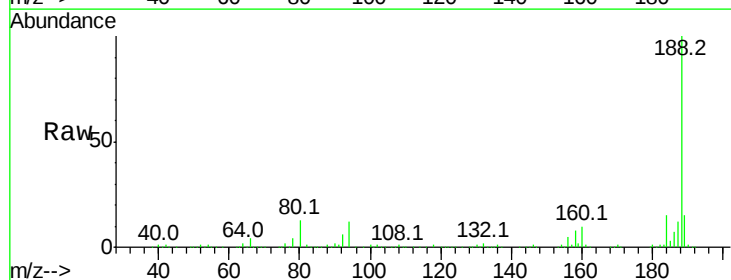
Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-A-COMP

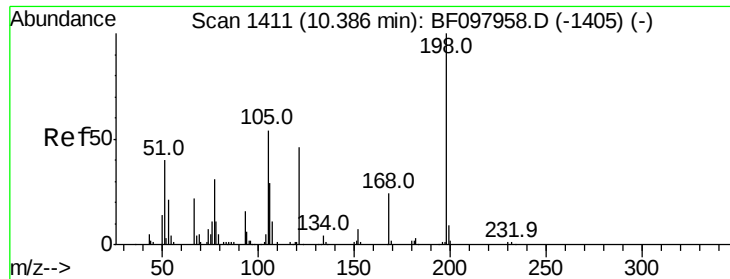
Tot Ion:165	Resp:	24390
Ion Ratio	Lower	Upper
165	100	
63	1.4	25.4 38.0#
89	1.7	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF098082.D
 Acq: 28 Aug 2017 22:43

Tgt Ion:188	Resp:	387325
Ion Ratio	Lower	Upper
188	100	
94	12.2	9.4 14.2
80	12.9	10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.549 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

Instrument :

BNA_F

ClientSampleId :

MANHOLE-A-COMP

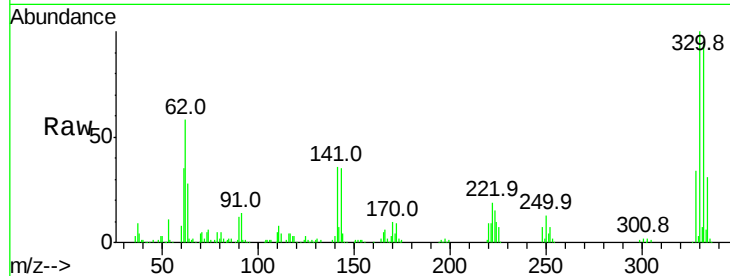
Tot Ion:198 Resp: 503

Ion Ratio Lower Upper

198 100

51 162.0 53.2 93.2#

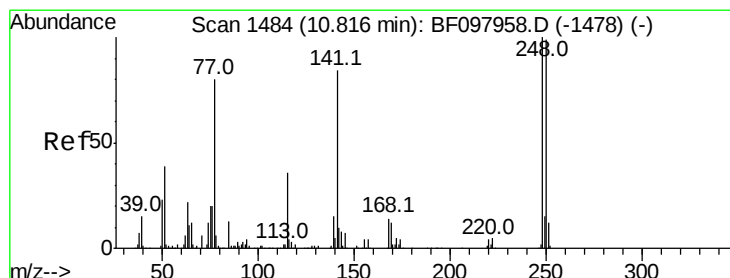
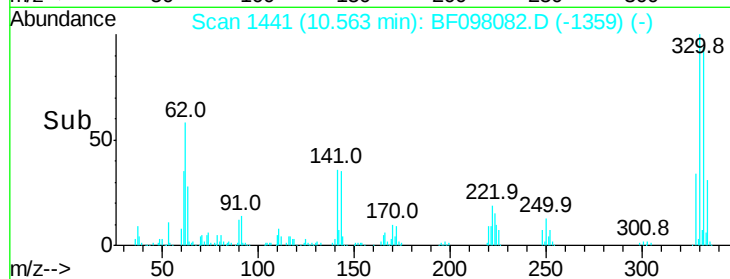
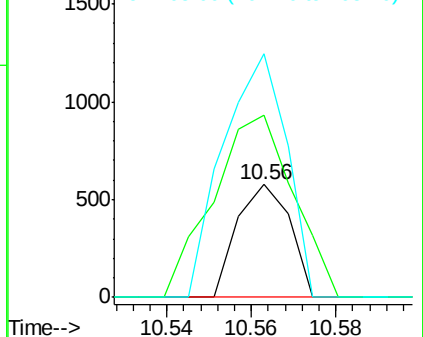
105 215.8 45.8 85.8#



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: 3.908 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.25 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

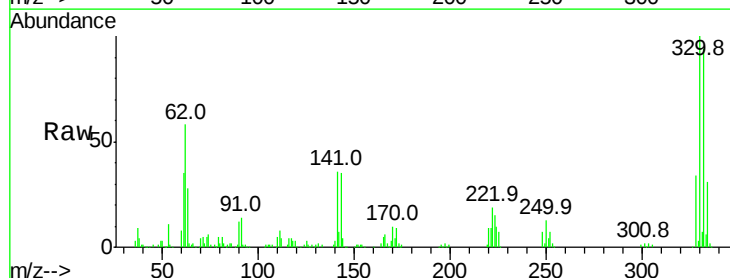
Tgt Ion:248 Resp: 15717

Ion Ratio Lower Upper

248 100

250 201.8 76.8 115.2#

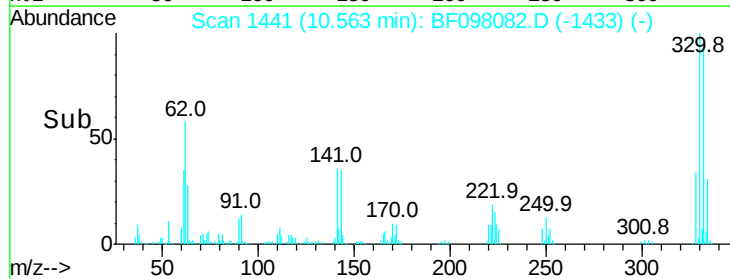
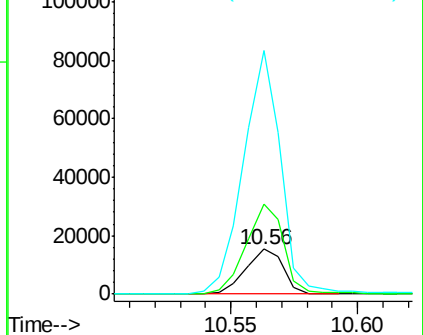
141 544.0 68.6 103.0#

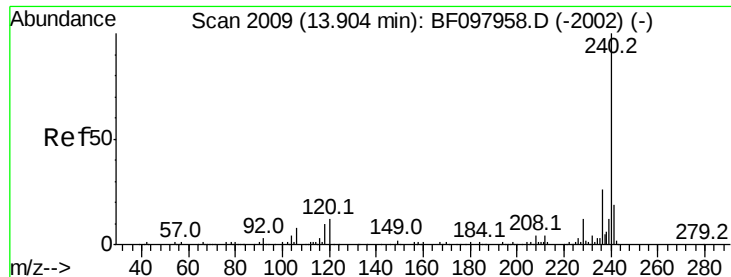


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2007

Delta R.T. -0.01 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

Instrument :

BNA_F

ClientSampleId :

MANHOLE-A-COMP

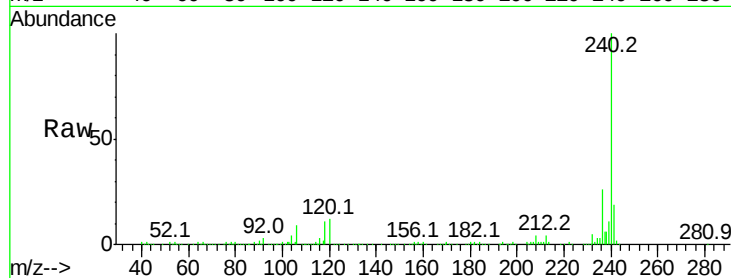
Tot Ion:240 Resp: 366433

Ion Ratio Lower Upper

240 100

120 12.2 5.8 8.8#

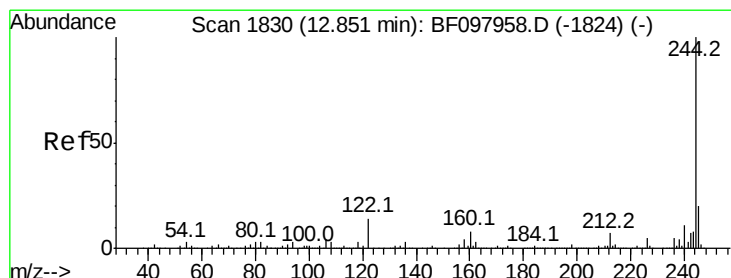
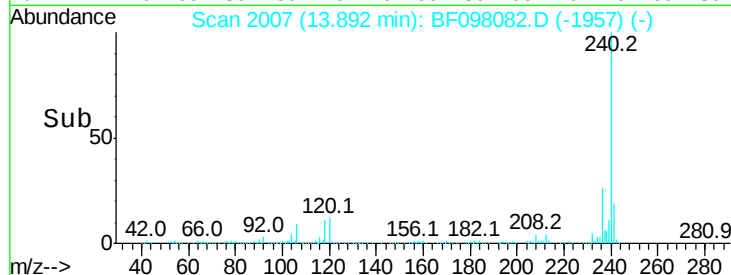
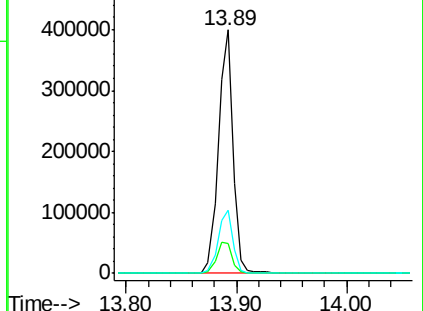
236 26.0 20.5 30.7



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: 63.263 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098082.D

Acq: 28 Aug 2017 22:43

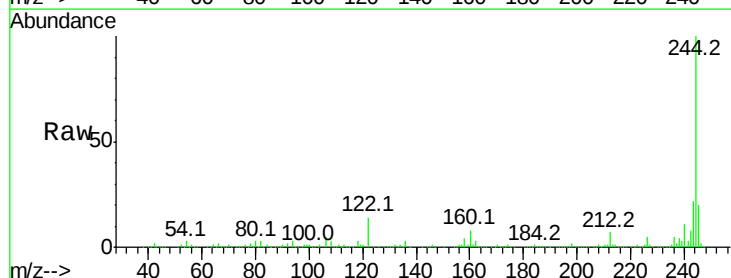
Tgt Ion:244 Resp: 1111656

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

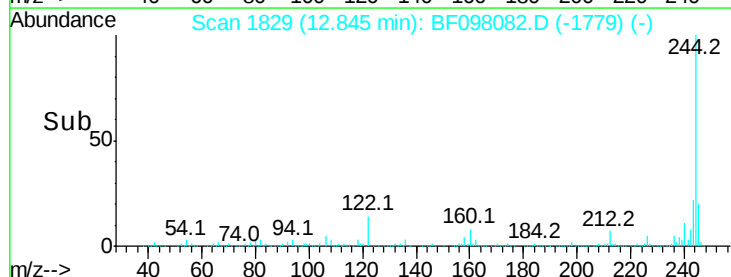
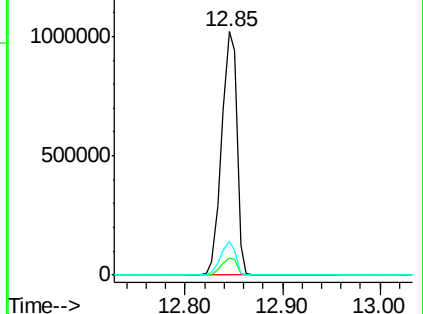
122 13.6 10.3 15.5

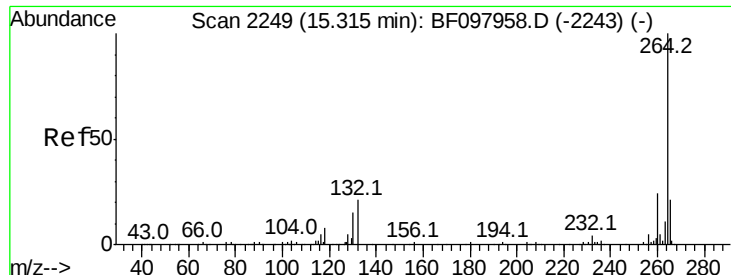


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

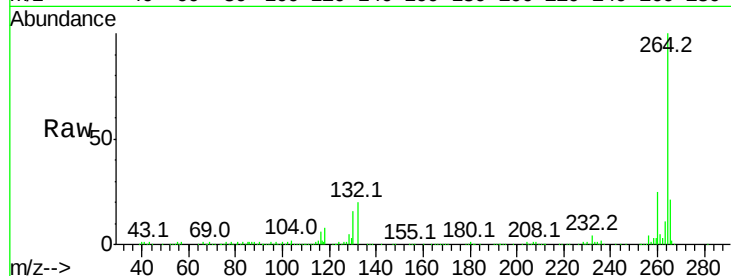




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.00 min
 Lab File: BF098082.D
 Acq: 28 Aug 2017 22:43

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-A-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.1	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

