

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098088.D
 Acq On : 29 Aug 2017 1:29
 Operator : SJ/JU
 Sample : I4969-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-B

Quant Time: Aug 29 07:55:56 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

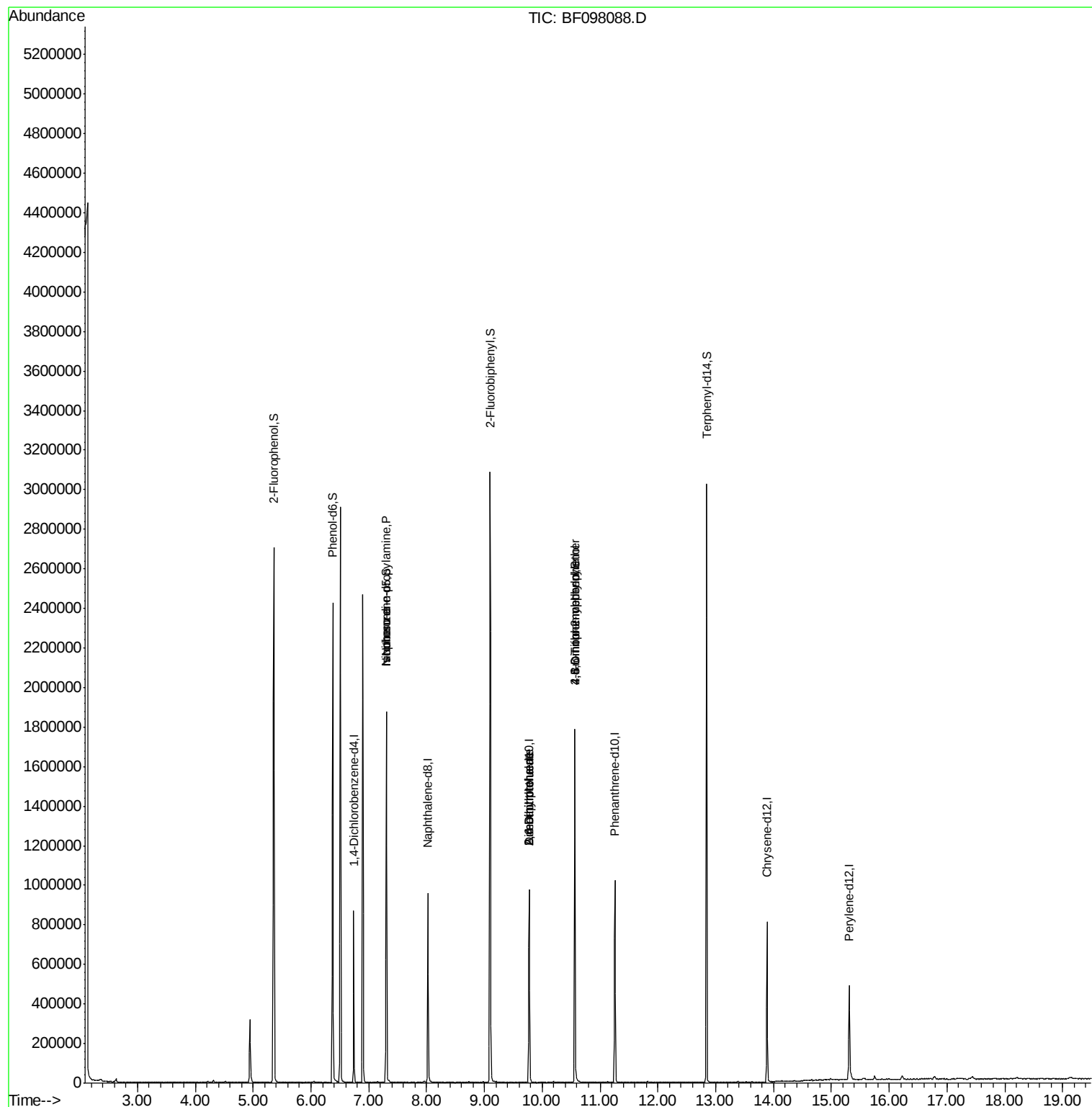
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	109671	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	422747	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	184612	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	355915	20.00	ng	0.00
75) Chrysene-d12	13.89	240	294906	20.00	ng	-0.01
86) Perylene-d12	15.31	264	237186	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	783359	108.65	ng	0.00
7) Phenol-d6	6.38	99	961701	98.17	ng	0.00
23) Nitrobenzene-d5	7.30	82	704407	90.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	214170	133.70	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1042108	82.93	ng	-0.01
78) Terphenyl-d14	12.84	244	946315	66.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	94118	14.034	ng	# 72
25) Isophorone	7.30	82	697288	43.092	ng	# 67
49) Dimethylphthalate	9.77	163	48005	3.557	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	23800	8.836	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	23800	7.041	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	357	8.497	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	14214	3.846	ng	# 1

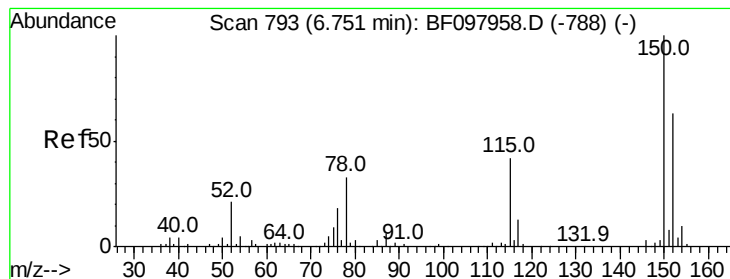
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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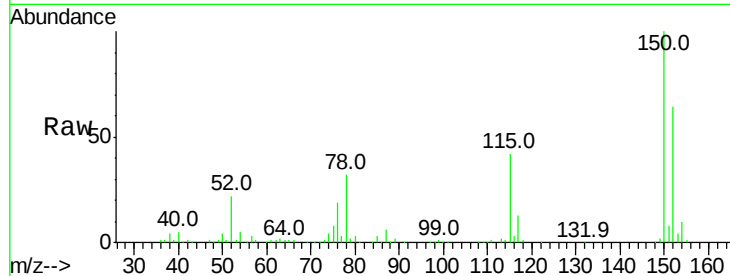


#1

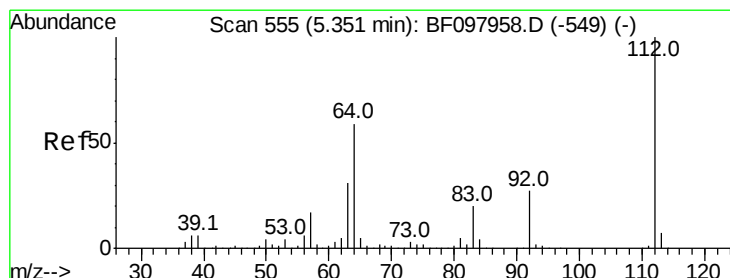
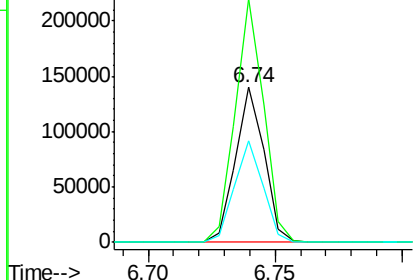
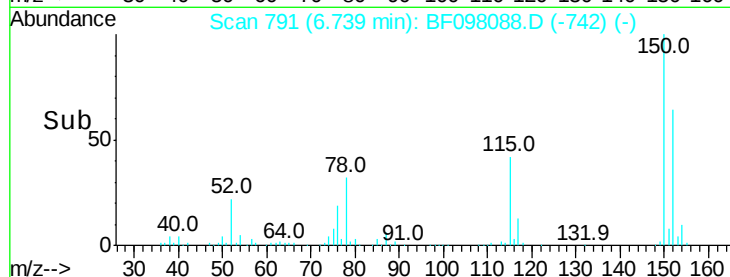
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098088.D
Acq: 29 Aug 2017 1:29

Instrument :
BNA_F
ClientSampleId :
BU-01-082417-B

Tot Ion:152 Resp: 109671
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 66.0 52.2 78.2



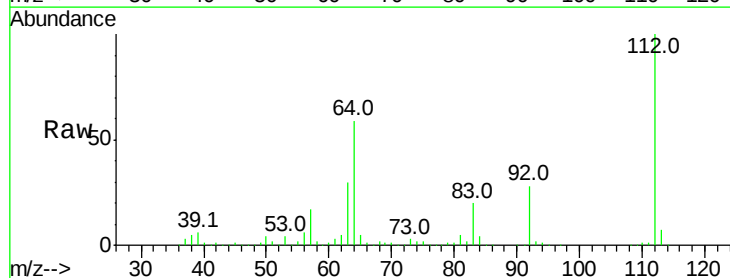
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



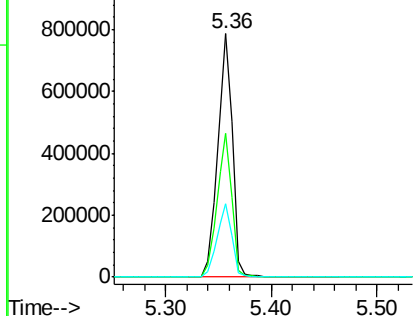
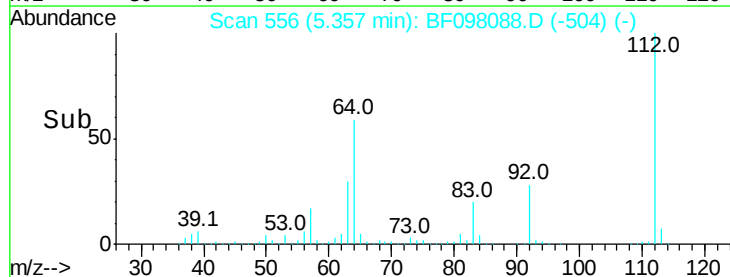
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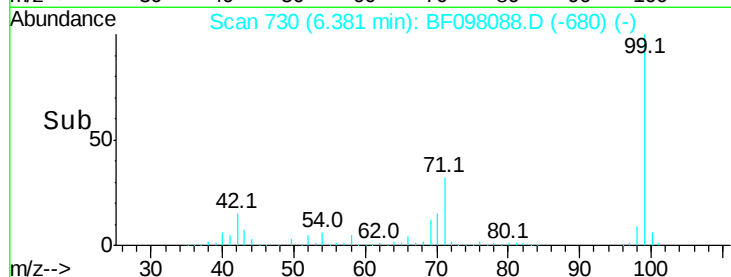
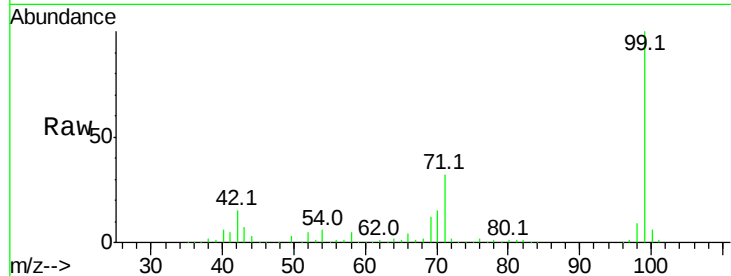
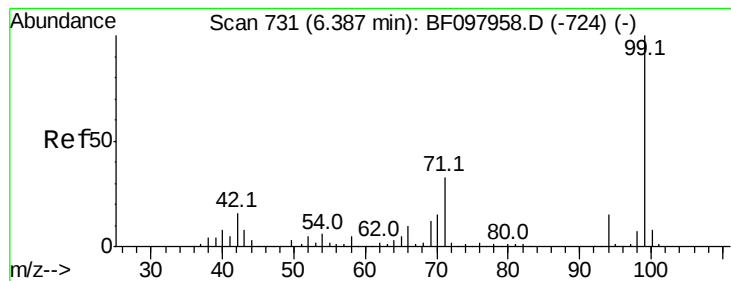
2-Fluorophenol
Concen: 108.647 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF098088.D
Acq: 29 Aug 2017 1:29

Tgt Ion:112 Resp: 783359
Ion Ratio Lower Upper
112 100
64 58.8 46.0 69.0
63 30.1 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: 98.168 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

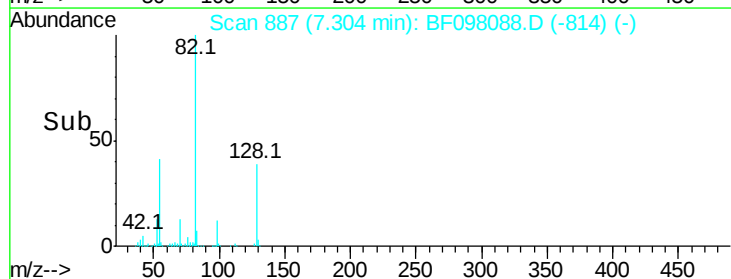
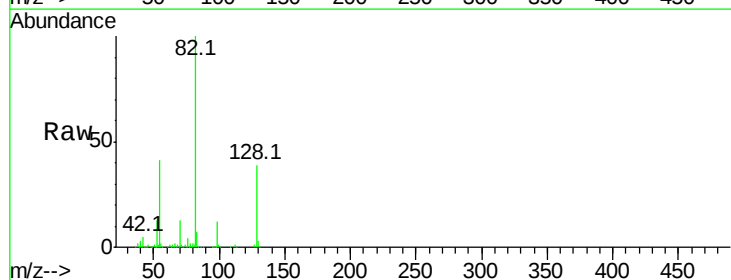
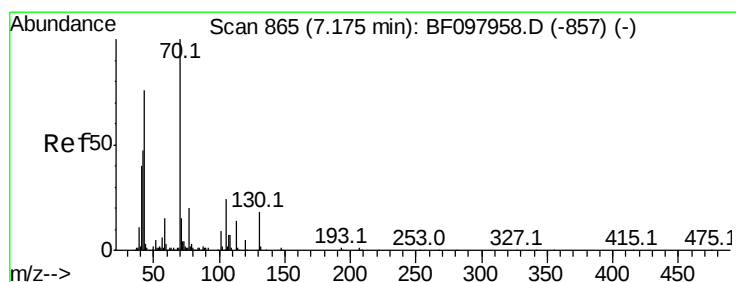
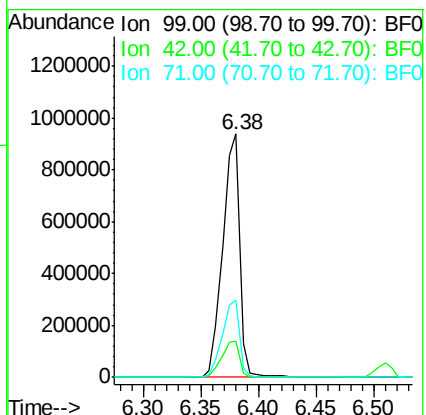
Tot Ion: 99 Resp: 961701

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

71 31.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.034 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

Tgt Ion: 70 Resp: 94118

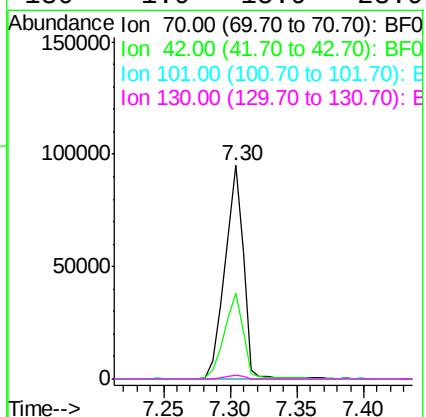
Ion Ratio Lower Upper

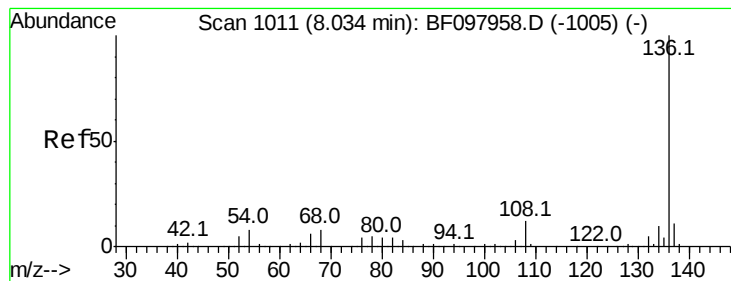
70 100

42 40.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

Tot Ion:136 Resp: 422747

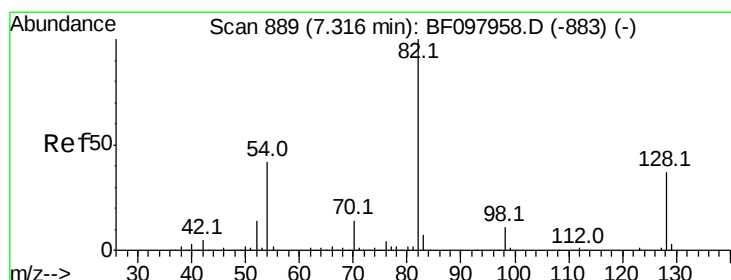
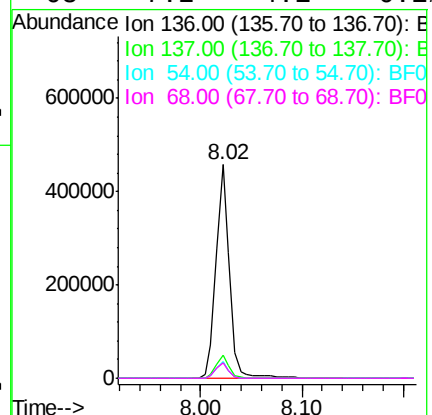
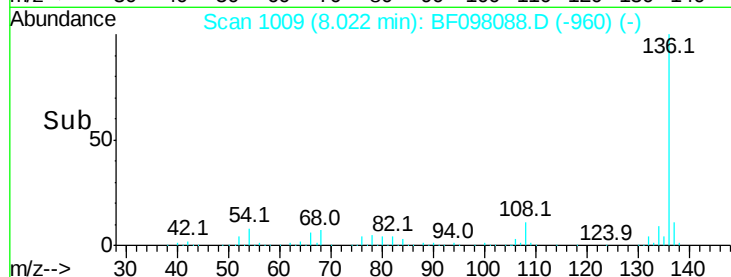
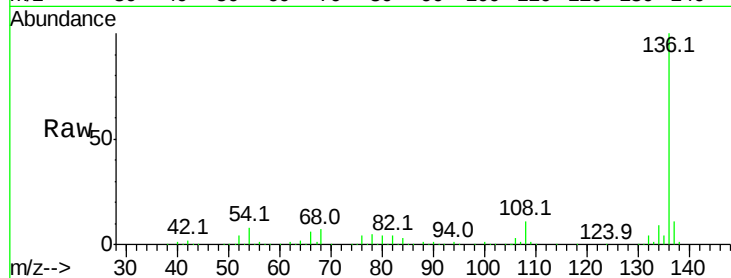
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.7 4.9 7.3#

68 7.2 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 90.519 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

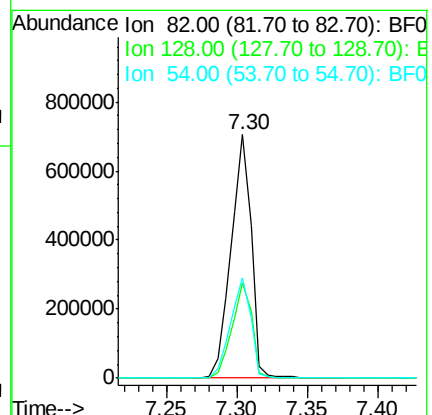
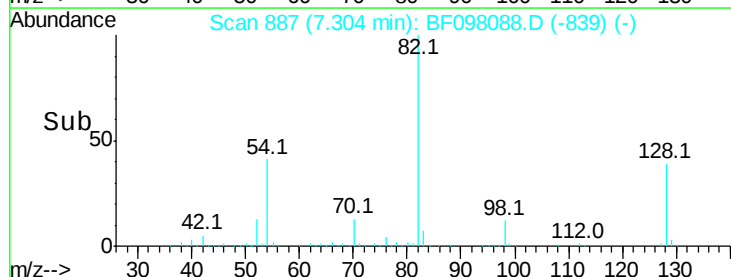
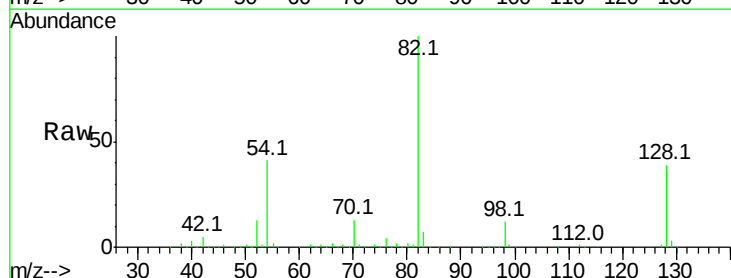
Tgt Ion: 82 Resp: 704407

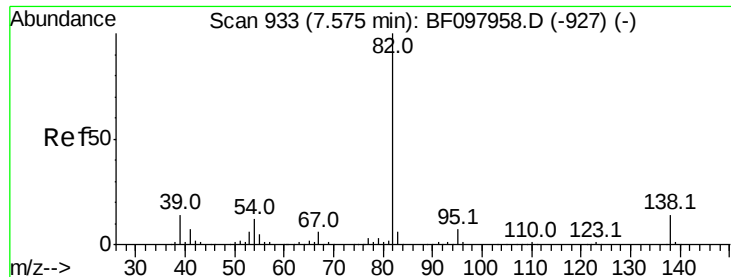
Ion Ratio Lower Upper

82 100

128 39.1 34.0 51.0

54 40.9 42.2 63.2#





#25

Isophorone

Concen: 43.092 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

Instrument :

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BU-01-082417-B

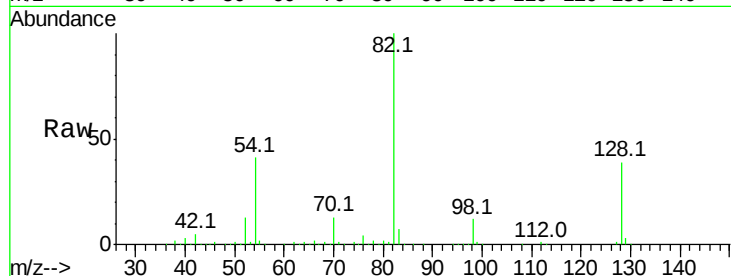
Tot Ion: 82 Resp: 697288

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

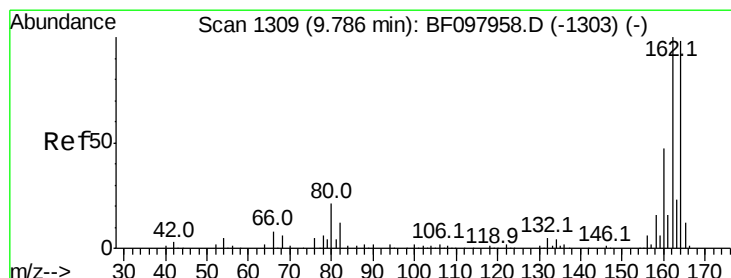
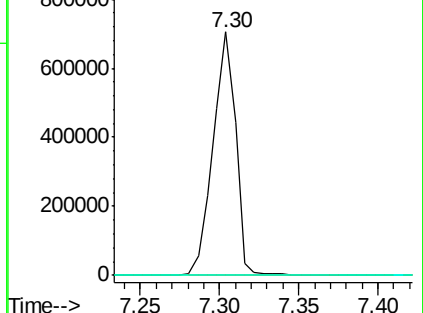
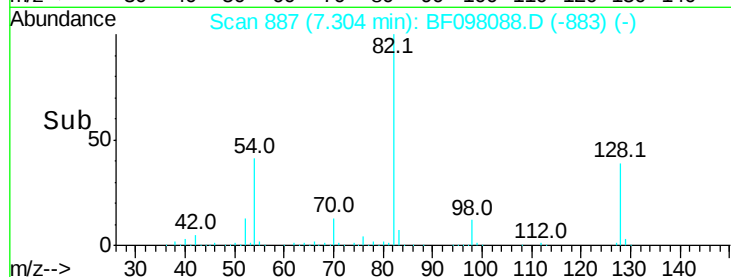
138 0.0 13.1 19.7#



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: BF098088.D

Acq: 29 Aug 2017 1:29

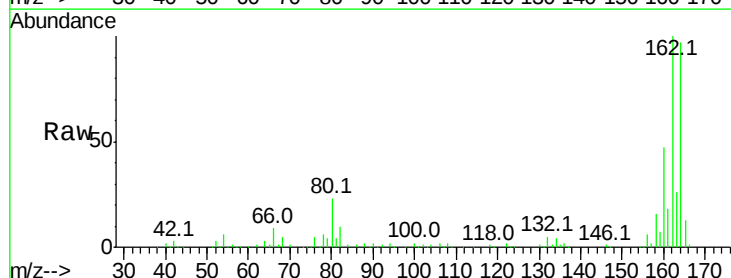
Tgt Ion:164 Resp: 184612

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

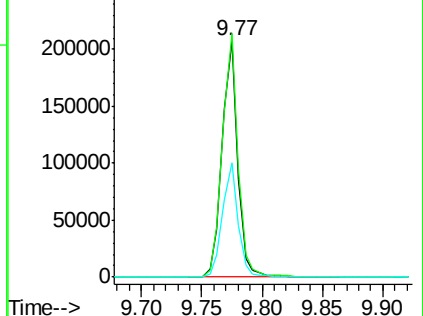
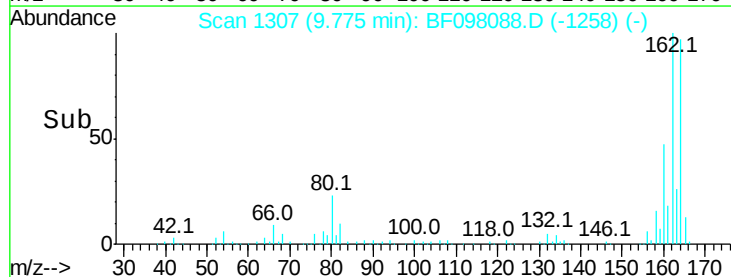
160 48.2 36.2 54.2

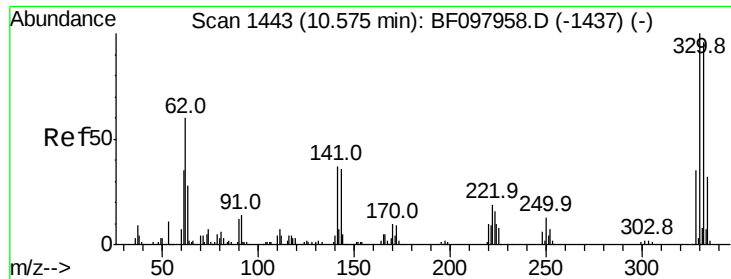


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

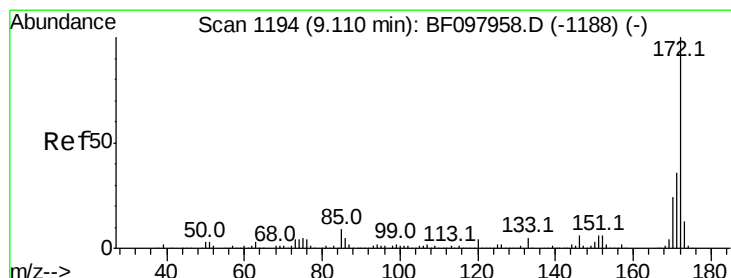
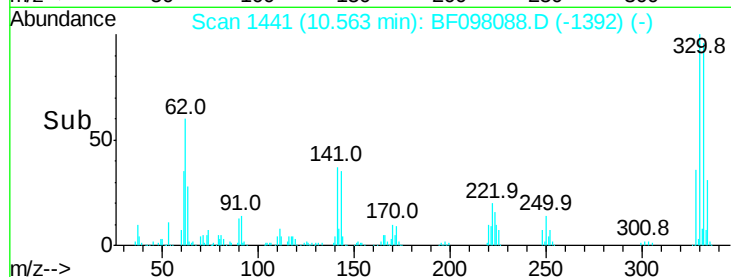
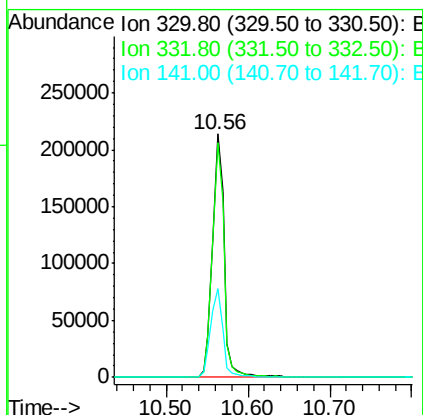
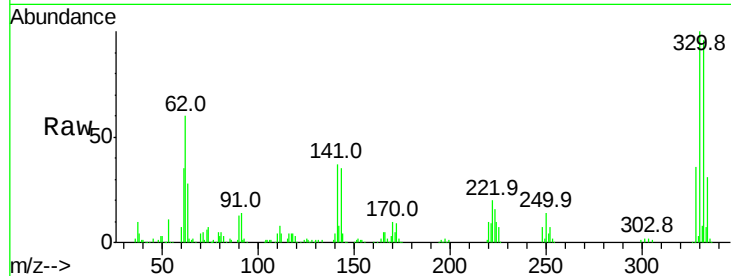




#41
 2,4,6-Tribromophenol
 Concen: 133.705 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098088.D
 Acq: 29 Aug 2017 1:29

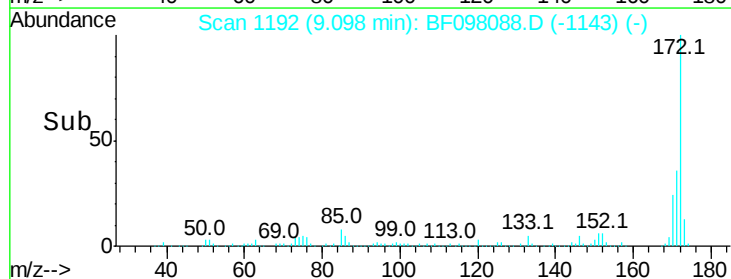
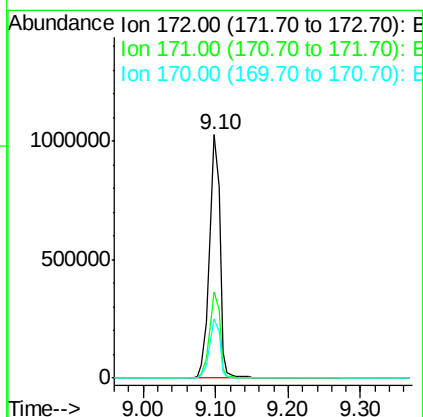
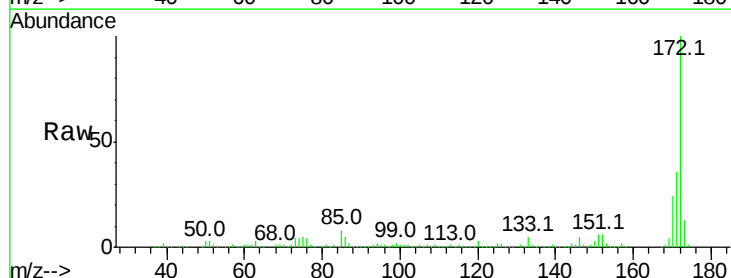
Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-B

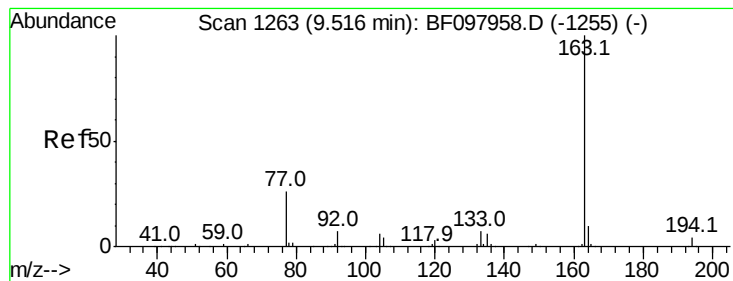
Tot Ion:330 Resp: 214170
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 38.0 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 82.935 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098088.D
 Acq: 29 Aug 2017 1:29

Tgt Ion:172 Resp: 1042108
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 24.4 19.8 29.8





#49

Dimethylphthalate

Concen: 3.557 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.26 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

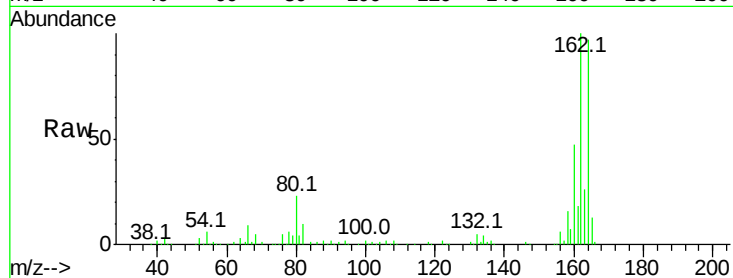
Tot Ion:163 Resp: 48005

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

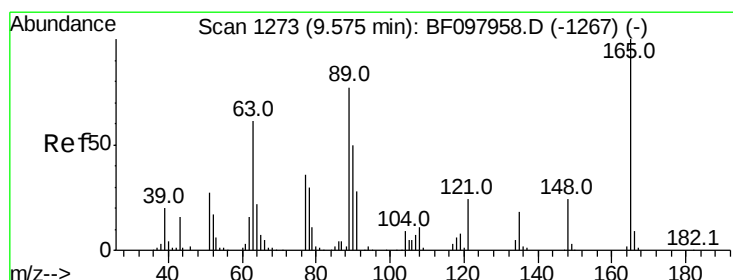
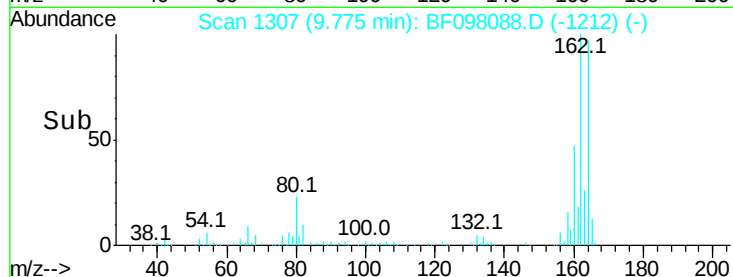
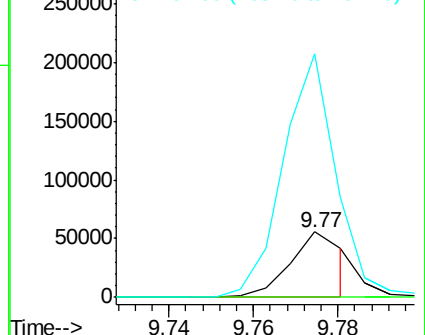
164 374.1 8.4 12.6#



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: 8.836 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.20 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

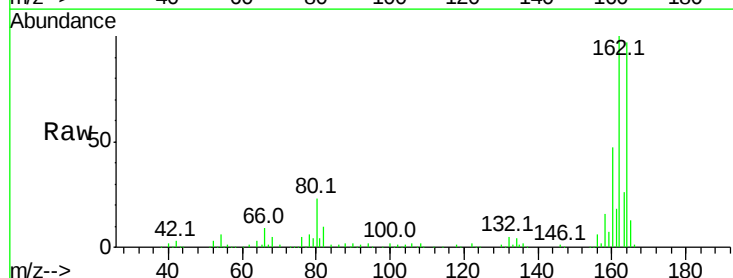
Tgt Ion:165 Resp: 23800

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

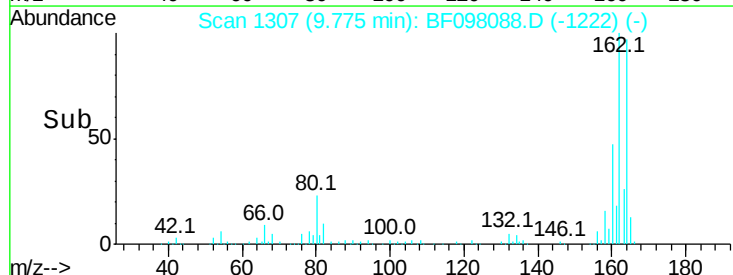
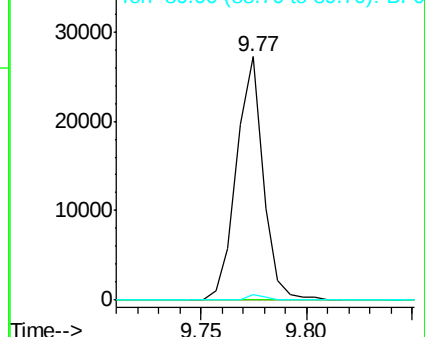
89 2.1 37.1 55.7#

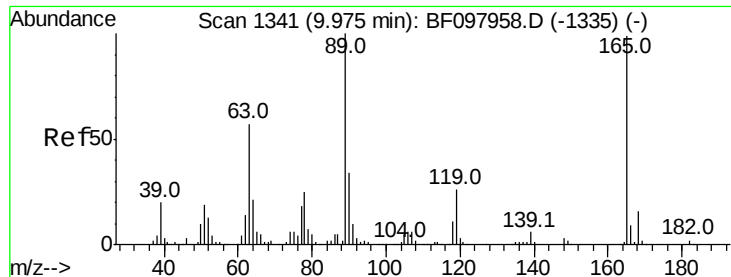


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

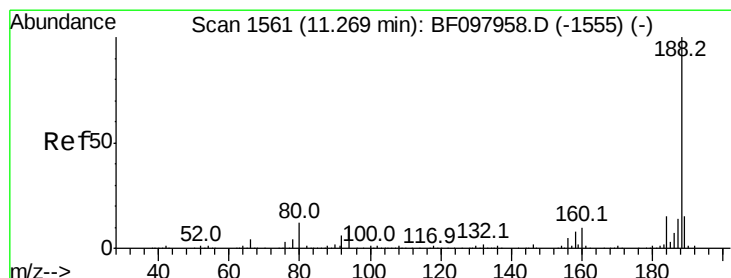
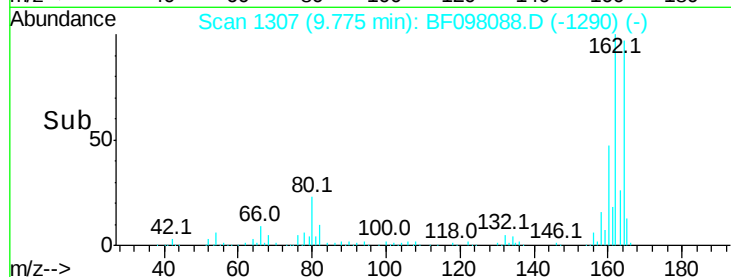
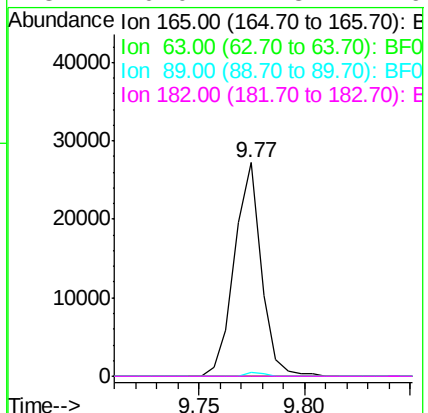
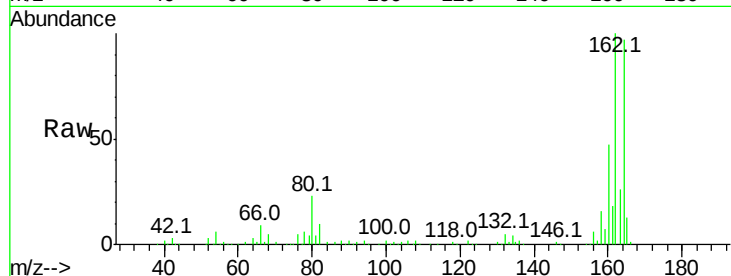




#56
 2,4-Dinitrotoluene
 Concen: 7.041 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF098088.D
 Acq: 29 Aug 2017 1:29

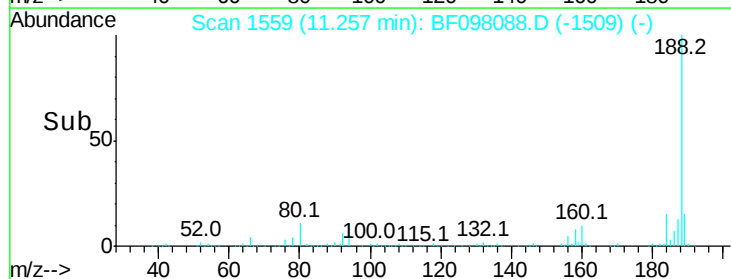
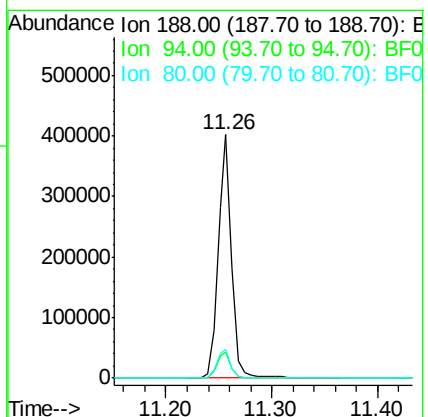
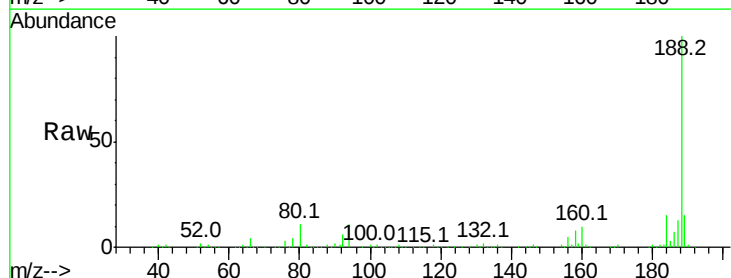
Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-B

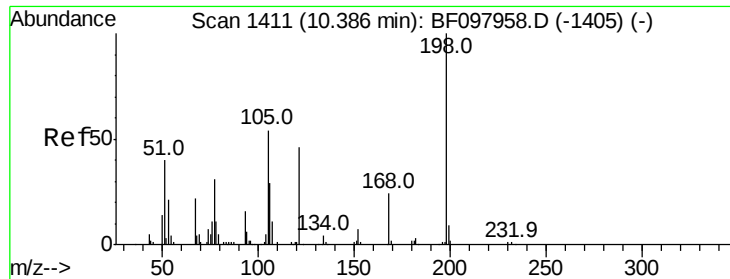
Tot Ion:	165	Resp:	23800
Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	2.1	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF098088.D
 Acq: 29 Aug 2017 1:29

Tgt Ion:	188	Resp:	355915
Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	11.5	10.2	15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.497 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

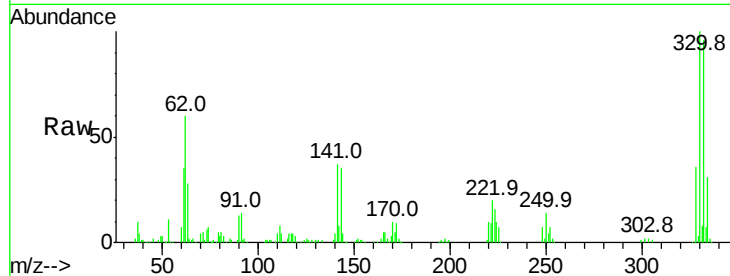
Tot Ion:198 Resp: 357

Ion Ratio Lower Upper

198 100

51 150.4 53.2 93.2#

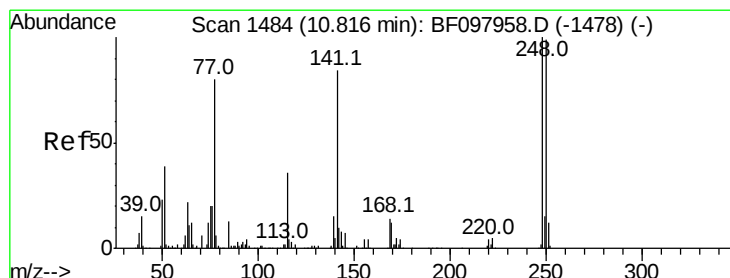
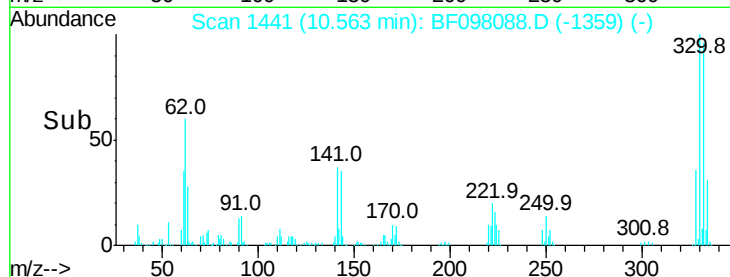
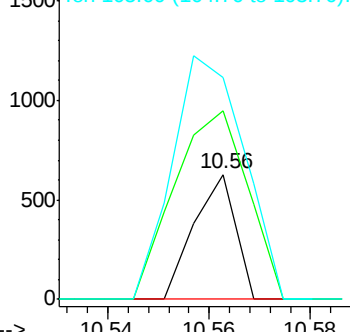
105 177.1 45.8 85.8#



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: 3.846 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.25 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

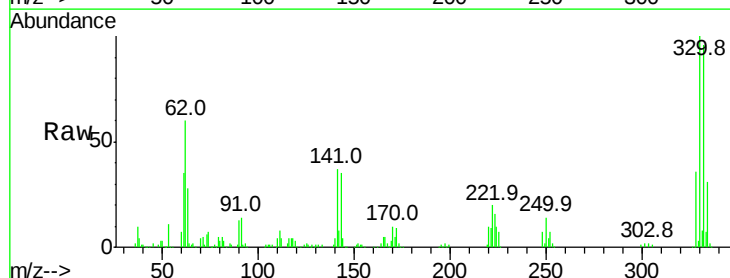
Tgt Ion:248 Resp: 14214

Ion Ratio Lower Upper

248 100

250 187.8 76.8 115.2#

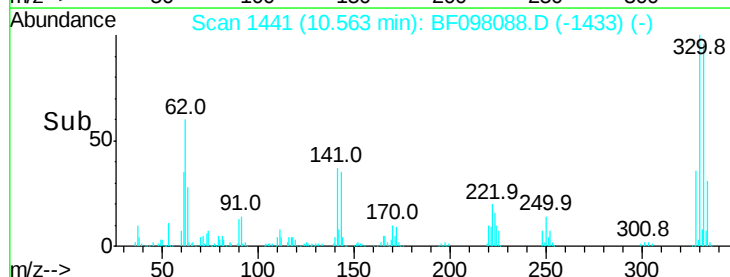
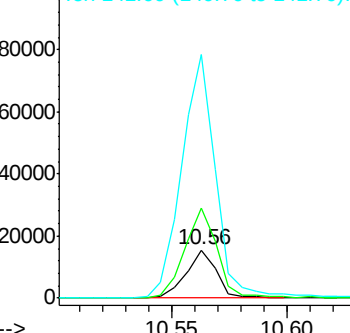
141 508.9 68.6 103.0#

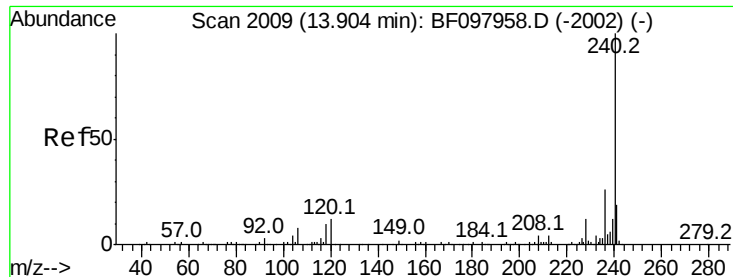


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF098088.D

Acq: 29 Aug 2017 1:29

Instrument :

BNA_F

ClientSampleId :

BU-01-082417-B

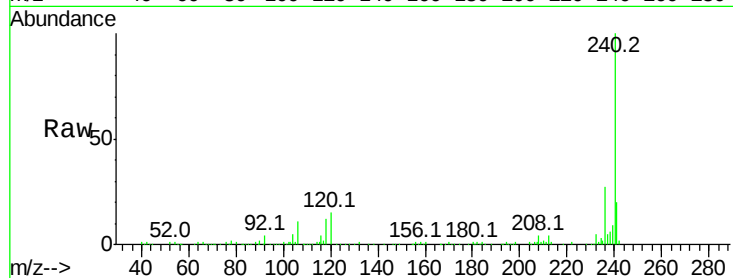
Tot Ion:240 Resp: 294906

Ion Ratio Lower Upper

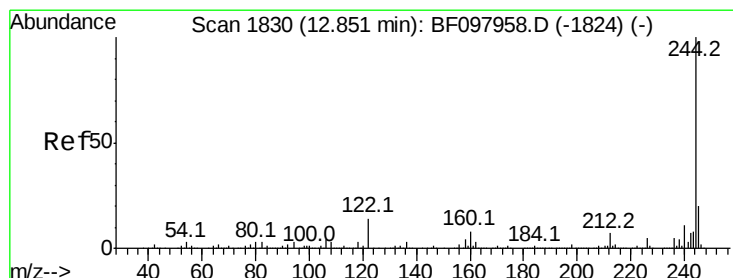
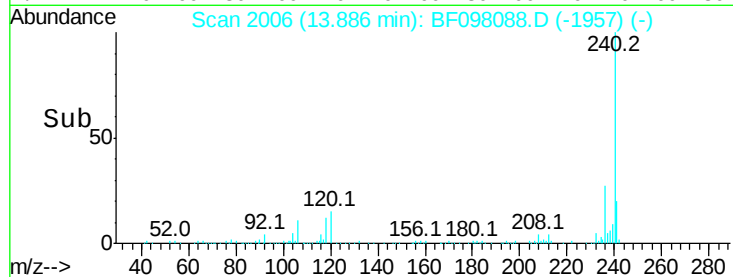
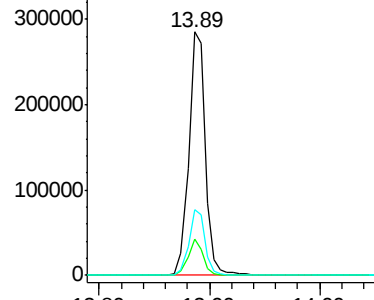
240 100

120 15.0 5.8 8.8#

236 27.0 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: 66.916 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098088.D

Acq: 29 Aug 2017 1:29

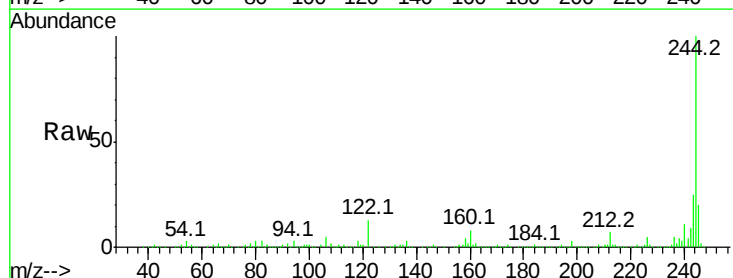
Tgt Ion:244 Resp: 946315

Ion Ratio Lower Upper

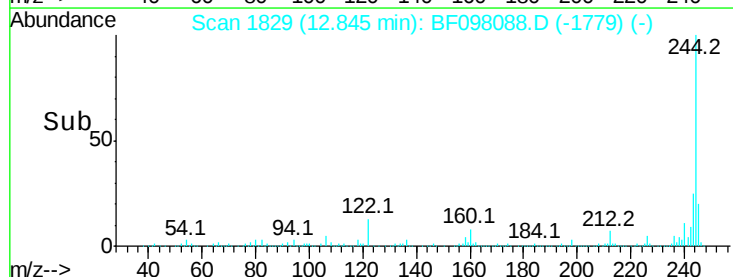
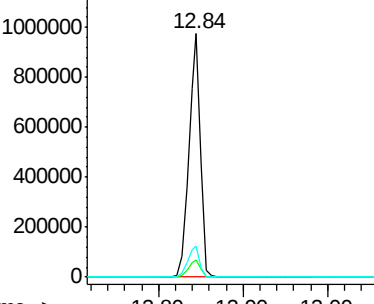
244 100

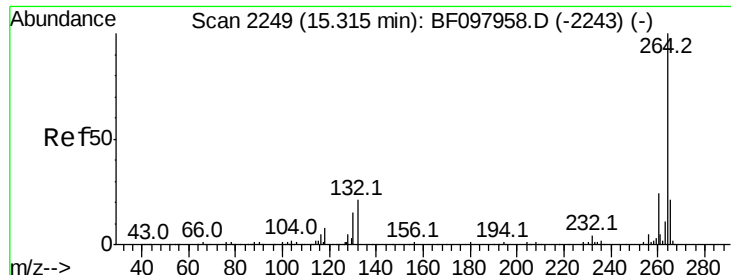
212 7.2 6.0 9.0

122 12.8 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

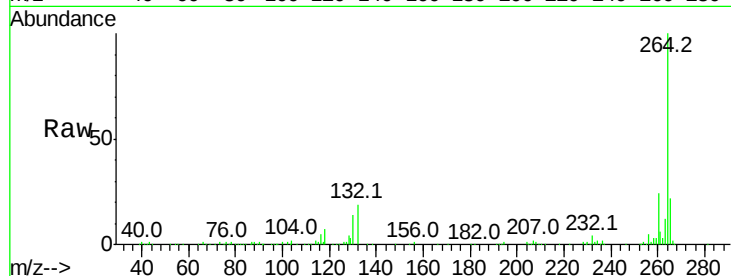




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.00 min
 Lab File: BF098088.D
 Acq: 29 Aug 2017 1:29

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082417-B

Tot Ion:264 Resp: 237186
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.6 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

