

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098149.D
 Acq On : 30 Aug 2017 10:20
 Operator : SJ/JU
 Sample : I4992-04
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 12:17:05 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

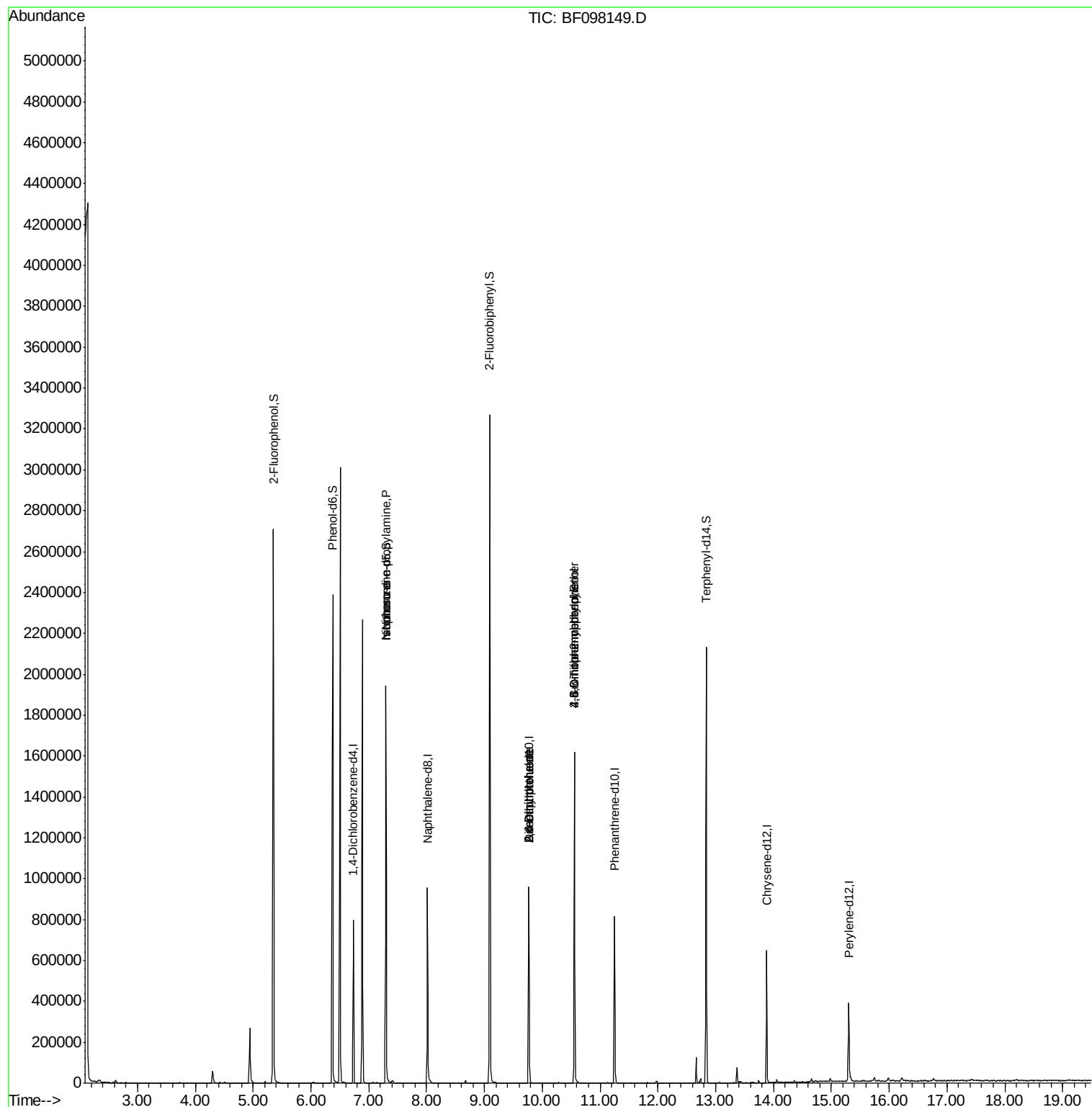
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	105744	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	423346	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	176345	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	289300	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	219098	20.00	ng	-0.02
86) Perylene-d12	15.30	264	181235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	821326	118.14	ng	0.00
7) Phenol-d6	6.37	99	1036061	109.69	ng	-0.01
23) Nitrobenzene-d5	7.30	82	707899	90.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	179770	117.49	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	1051448	87.60	ng	-0.02
78) Terphenyl-d14	12.84	244	703454	66.95	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	96060	14.856	ng	# 70
25) Isophorone	7.30	82	698322	43.095	ng	# 67
49) Dimethylphthalate	9.77	163	47550	3.689	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	22871	8.889	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	22871	7.083	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.56	198	200	8.442	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	12278	4.087	ng	# 1

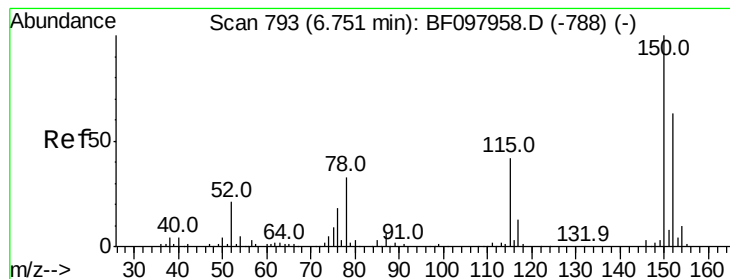
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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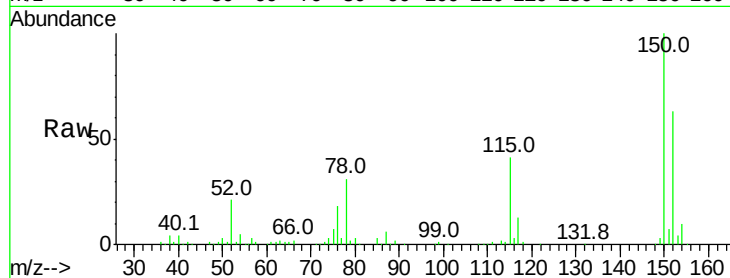


#1

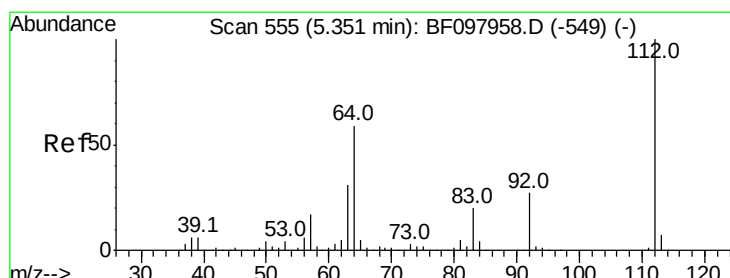
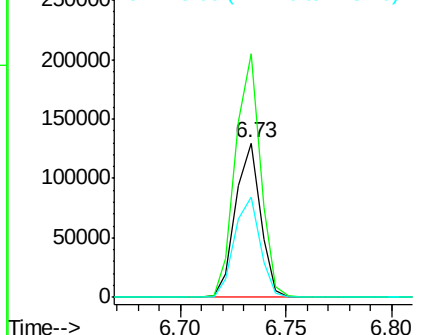
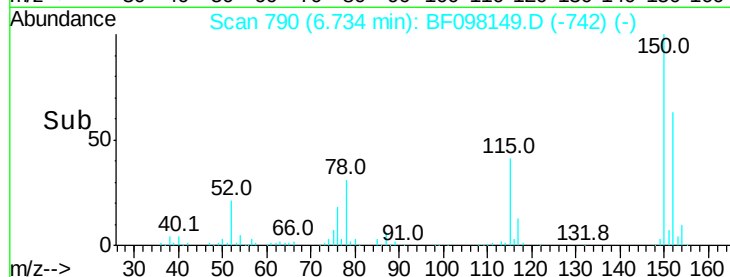
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF098149.D
 Acq: 30 Aug 2017 10:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 105744
 Ion Ratio Lower Upper
 152 100
 150 157.8 126.2 189.2
 115 65.0 52.2 78.2



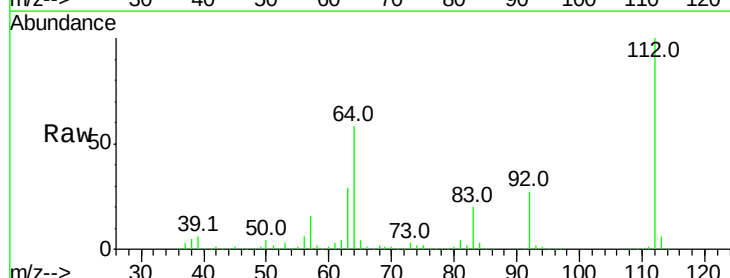
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



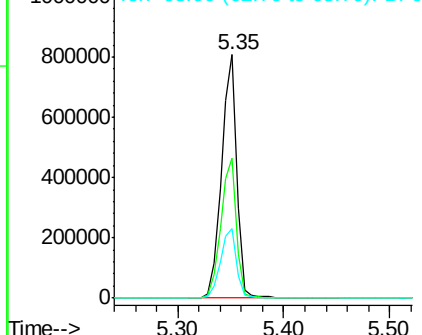
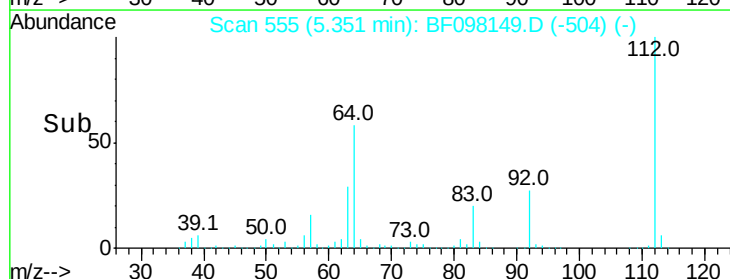
#5

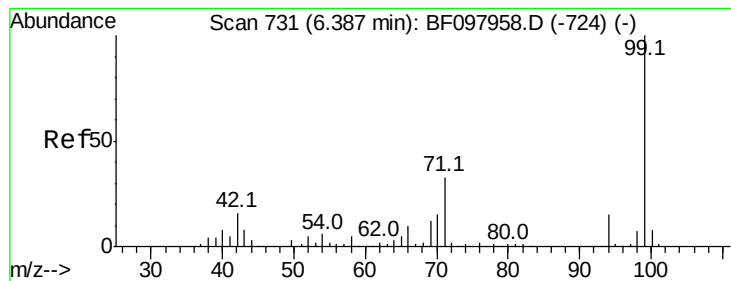
2-Fluorophenol
 Concen: 118.144 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF098149.D
 Acq: 30 Aug 2017 10:20

Tgt Ion:112 Resp: 821326
 Ion Ratio Lower Upper
 112 100
 64 57.6 46.0 69.0
 63 28.7 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: 109.686 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098149.D

Acq: 30 Aug 2017 10:20

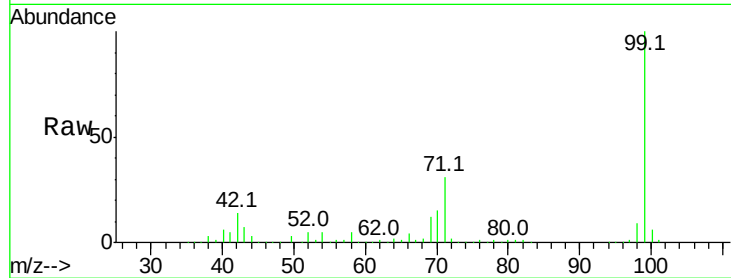
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1036061

Ion	Ratio	Lower	Upper
99	100		
42	14.3	13.5	20.3
71	30.7	24.5	36.7

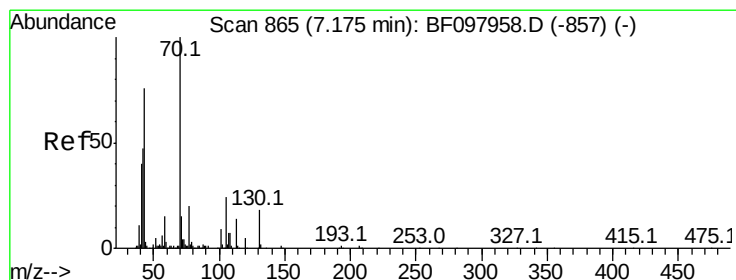
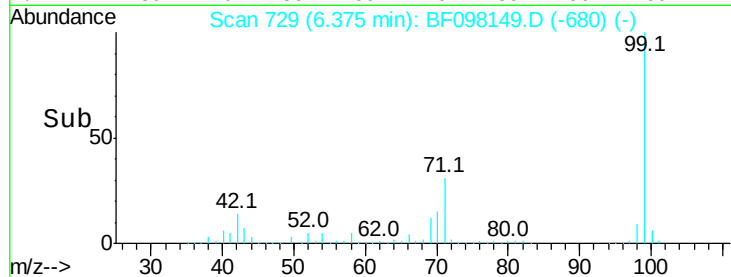
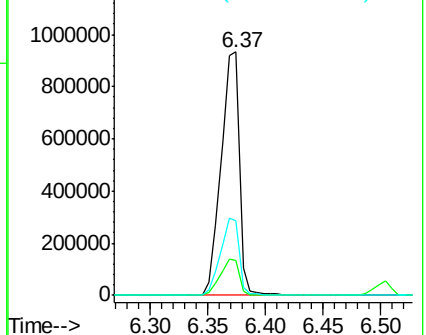


Abundance

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: 14.856 ng

RT: 7.30 min Scan# 886

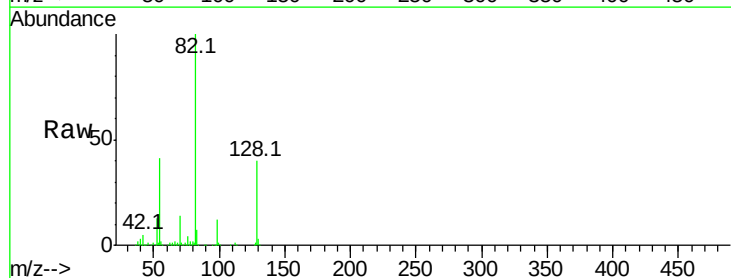
Delta R.T. 0.12 min

Lab File: BF098149.D

Acq: 30 Aug 2017 10:20

Tgt Ion: 70 Resp: 96060

Ion	Ratio	Lower	Upper
70	100		
42	38.5	47.2	70.8#
101	0.0	7.2	10.8#
130	1.7	15.9	23.9#



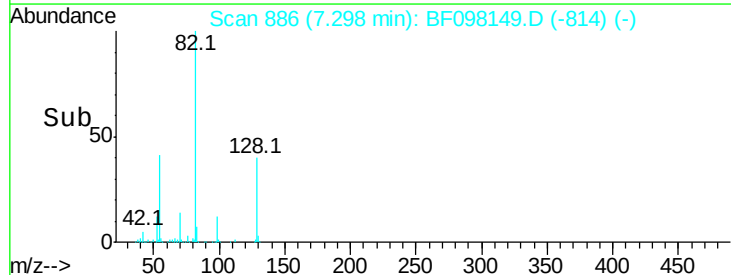
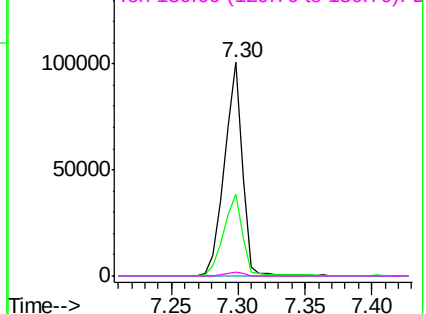
Abundance

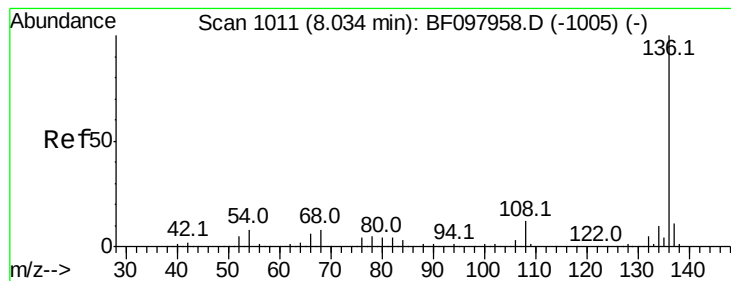
Ion 70.00 (69.70 to 70.70): BF0

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# 1008

Delta R.T. -0.02 min

Lab File: BF098149.D

Acq: 30 Aug 2017 10:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 423346

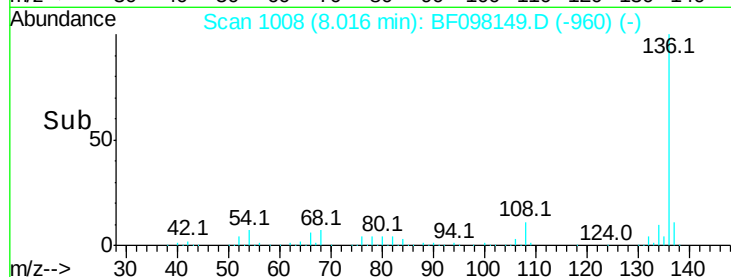
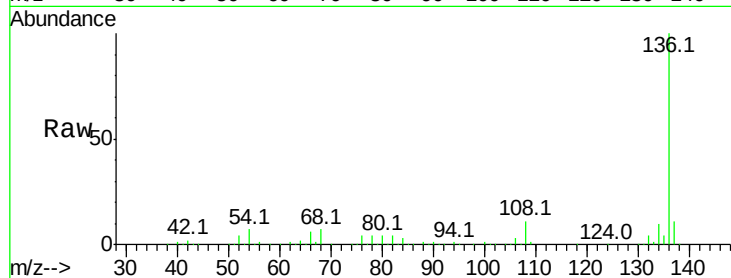
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.2 4.9 7.3

68 6.8 4.1 6.1#

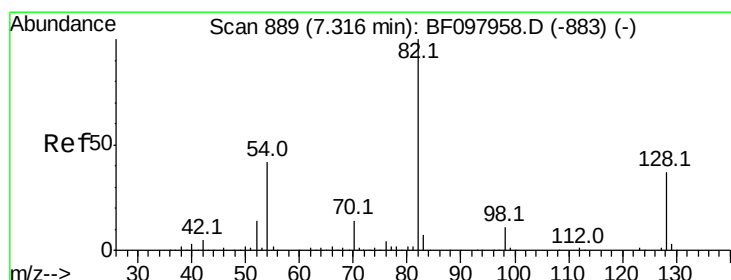
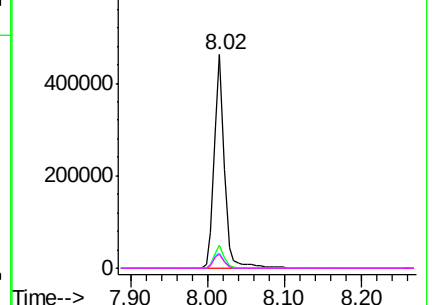


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.839 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF098149.D

Acq: 30 Aug 2017 10:20

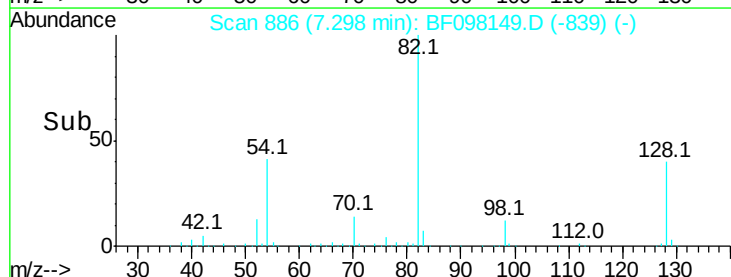
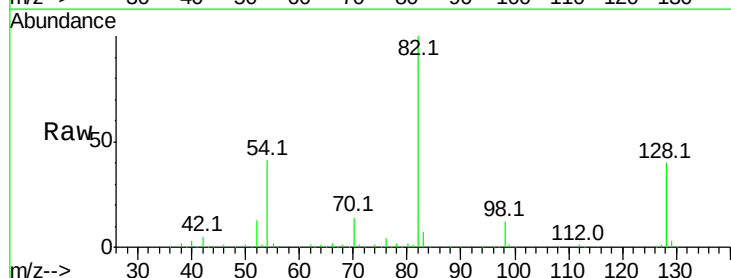
Tgt Ion: 82 Resp: 707899

Ion Ratio Lower Upper

82 100

128 39.6 34.0 51.0

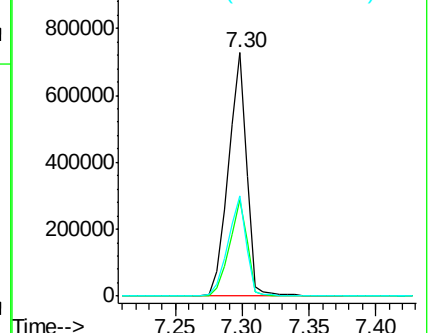
54 41.4 42.2 63.2#

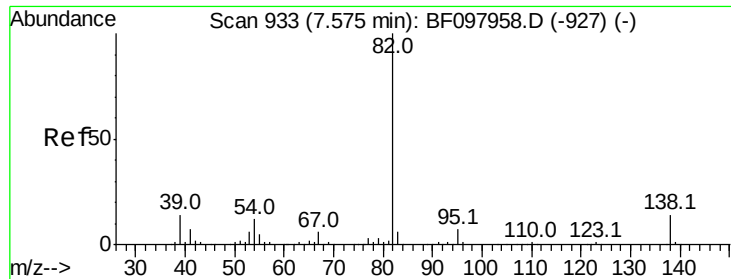


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

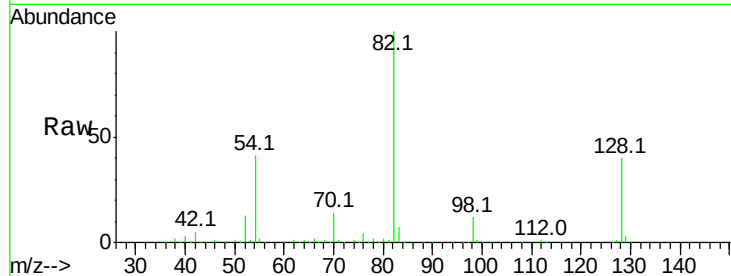




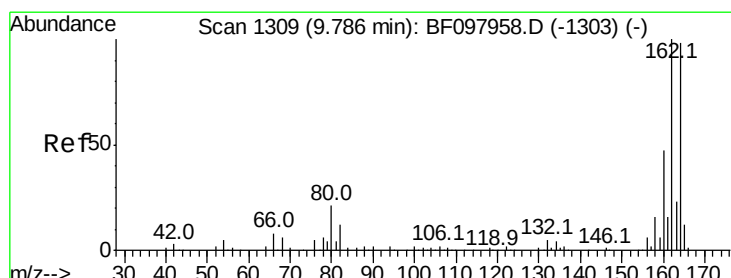
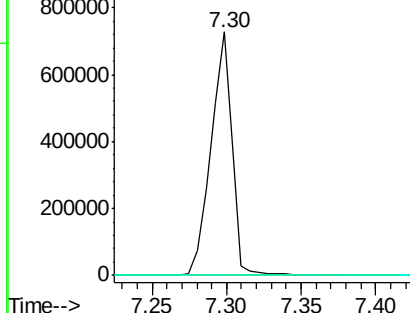
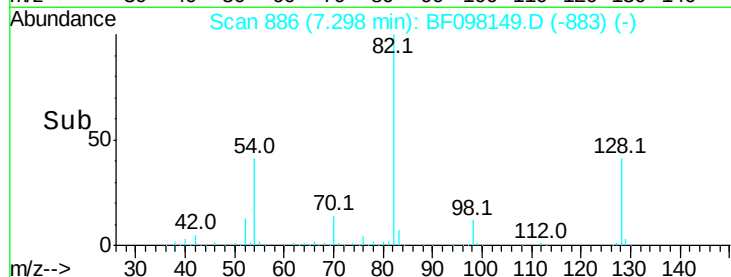
#25
Isophorone
Concen: 43.095 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.28 min
Lab File: BF098149.D
Acq: 30 Aug 2017 10:20

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 698322
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

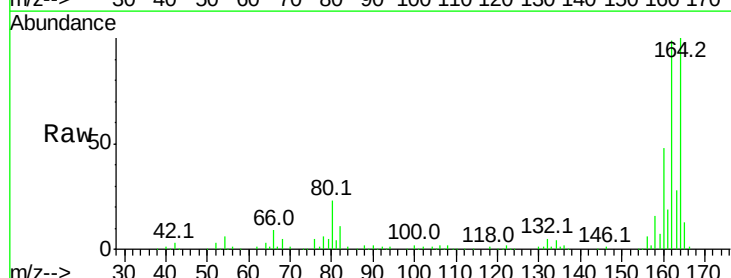


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

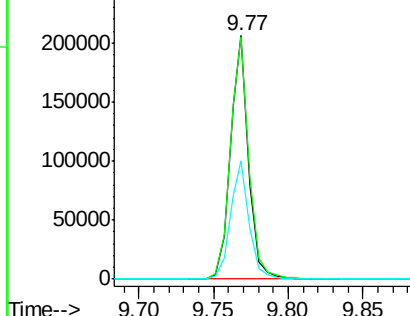
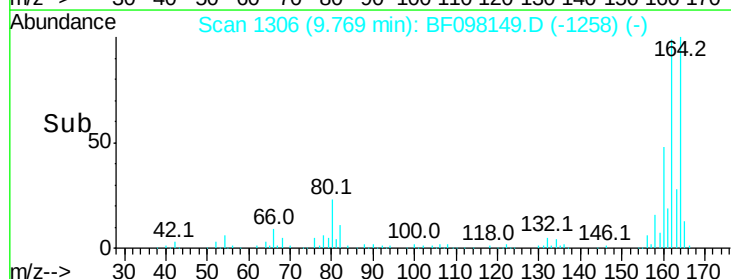


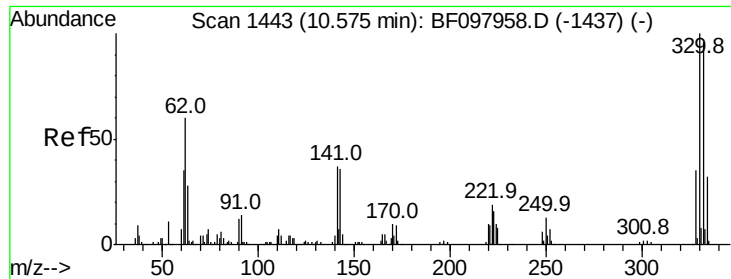
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF098149.D
Acq: 30 Aug 2017 10:20

Tgt Ion: 164 Resp: 176345
Ion Ratio Lower Upper
164 100
162 99.3 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

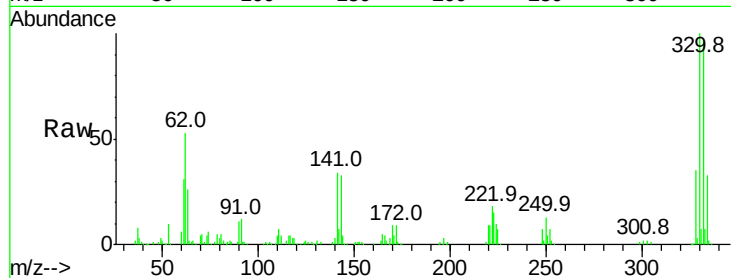




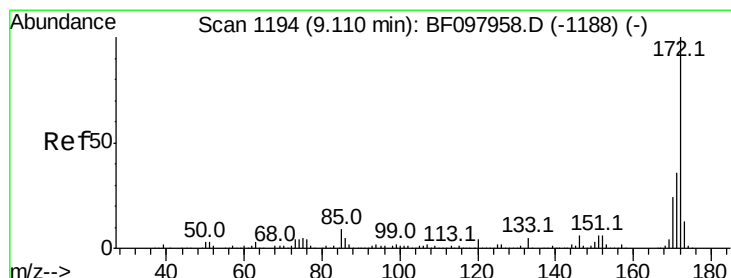
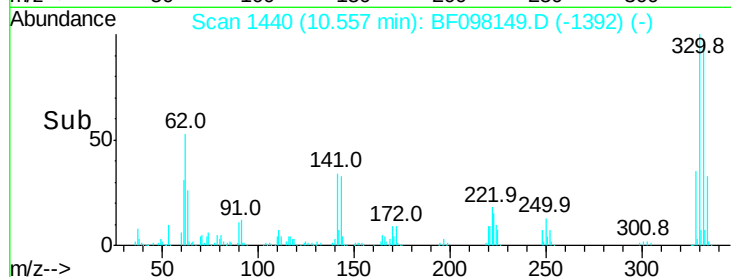
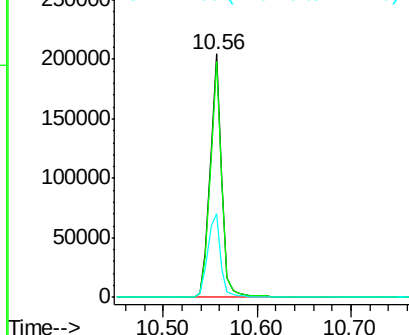
#41
 2,4,6-Tribromophenol
 Concen: 117.491 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098149.D
 Acq: 30 Aug 2017 10:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 179770
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 38.4 31.4 47.2

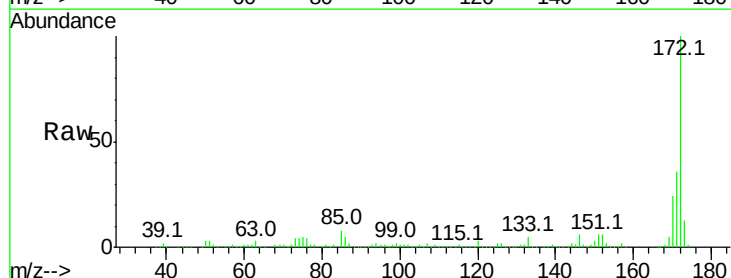


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

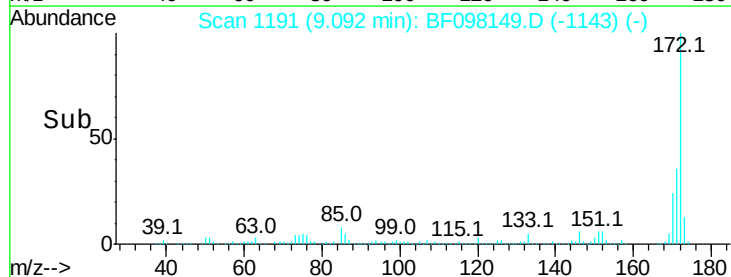
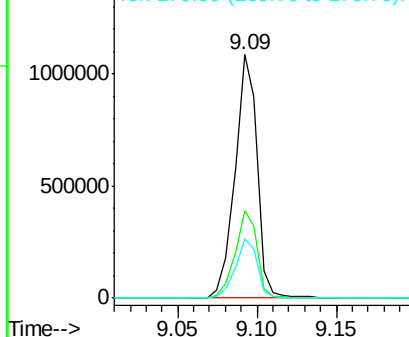


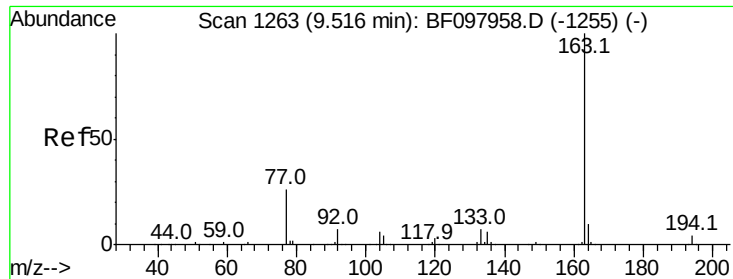
#44
 2-Fluorobiphenyl
 Concen: 87.601 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098149.D
 Acq: 30 Aug 2017 10:20

Tgt Ion:172 Resp: 1051448
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.4 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

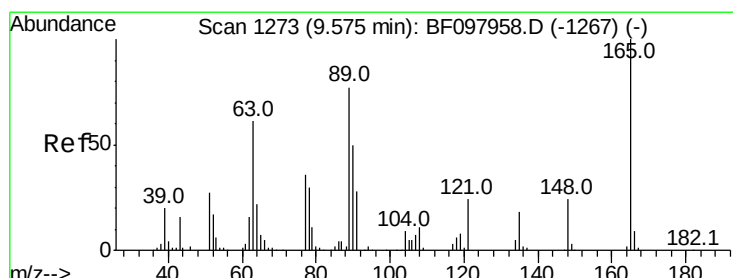
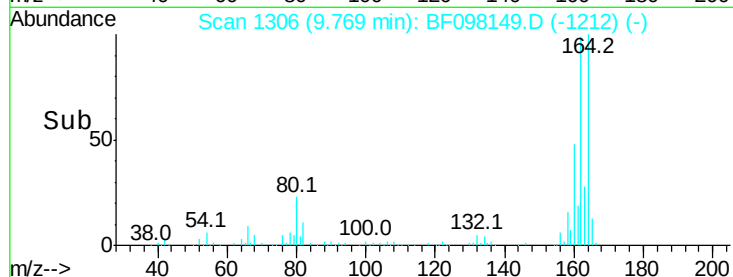
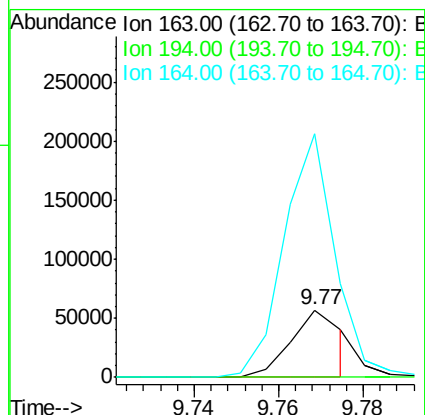
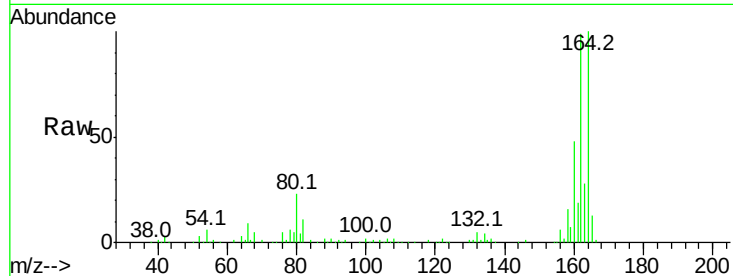




#49
Dimethylphthalate
Concen: 3.689 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.25 min
Lab File: BF098149.D
Acq: 30 Aug 2017 10:20

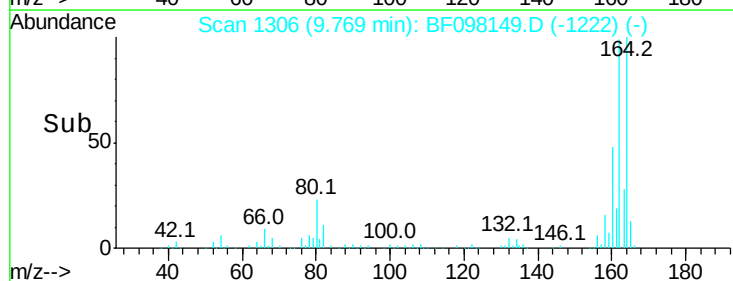
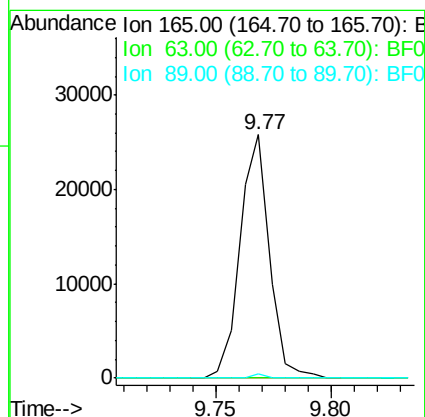
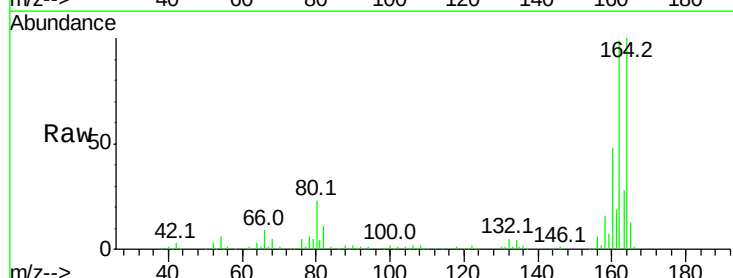
Instrument :
BNA_F
ClientSampleId :

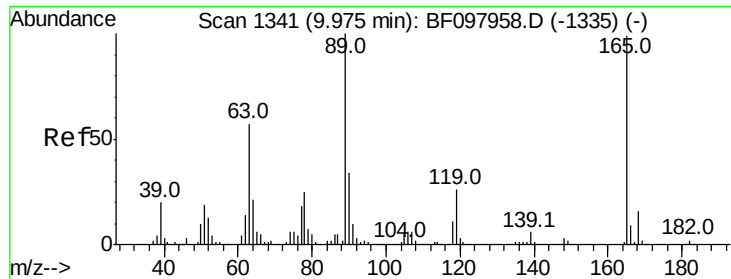
Tot Ion:163 Resp: 47550
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 363.4 8.4 12.6#



#50
2,6-Dinitrotoluene
Concen: 8.889 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.19 min
Lab File: BF098149.D
Acq: 30 Aug 2017 10:20

Tgt Ion:165 Resp: 22871
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 1.8 37.1 55.7#

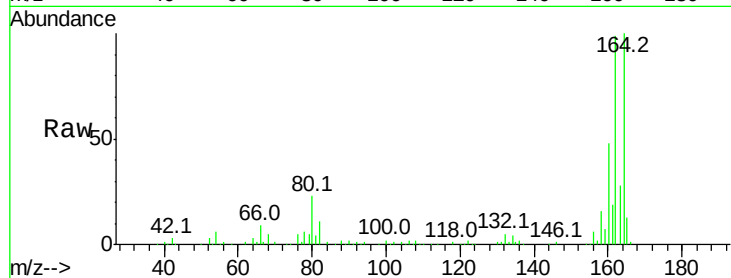




#56
 2,4-Dinitrotoluene
 Concen: 7.083 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.21 min
 Lab File: BF098149.D
 Acq: 30 Aug 2017 10:20

Instrument :
 BNA_F
 ClientSampleId :

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

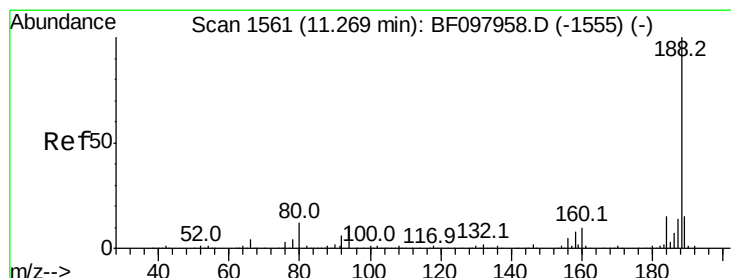
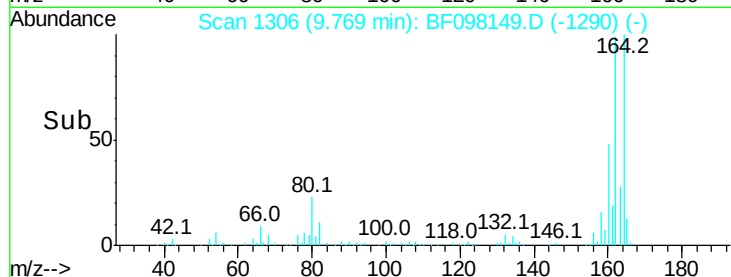
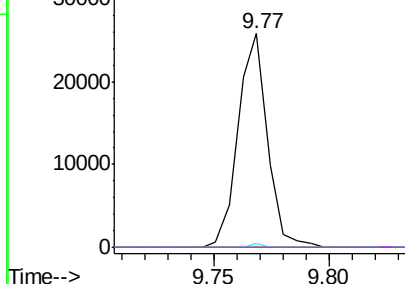


Abundance Ion 165.00 (164.70 to 165.70): E

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



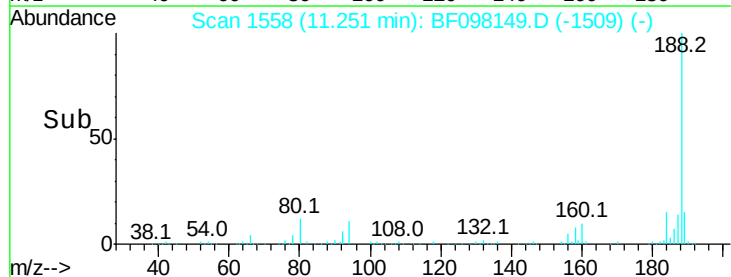
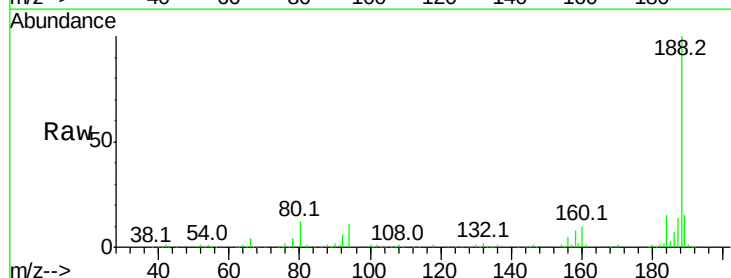
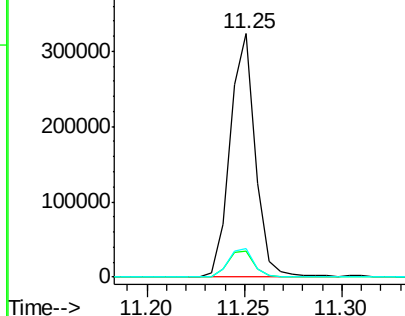
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098149.D
 Acq: 30 Aug 2017 10:20

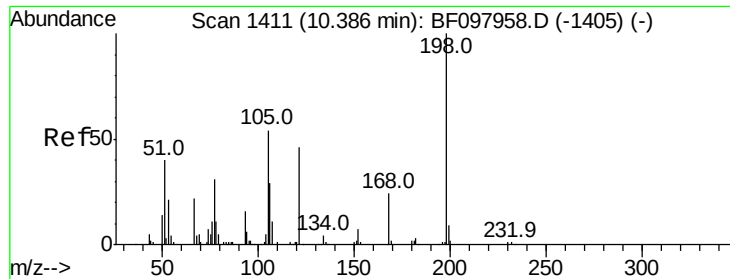
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.7	10.2	15.2

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: 8.442 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098149.D

Acq: 30 Aug 2017 10:20

Instrument :

BNA_F

ClientSampled :

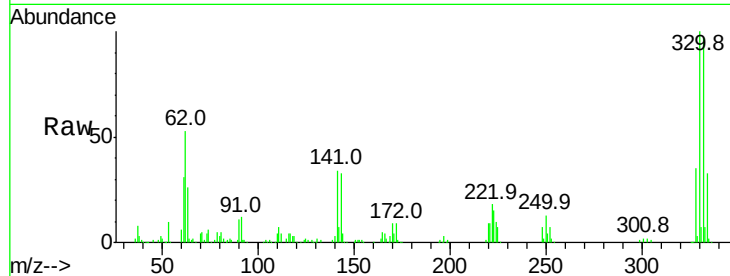
Tot Ion:198 Resp: 200

Ion Ratio Lower Upper

198 100

51 147.7 53.2 93.2#

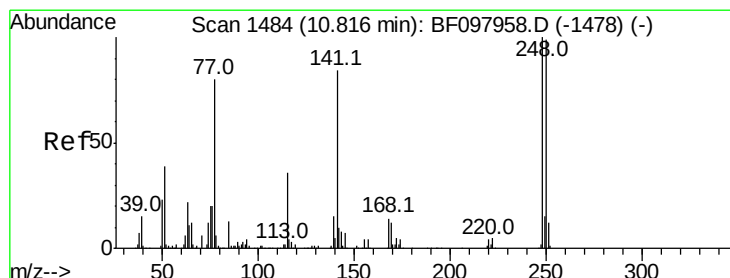
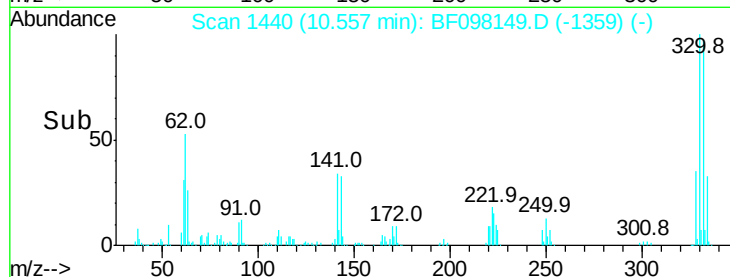
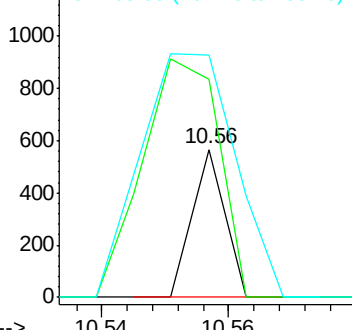
105 164.3 45.8 85.8#



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: 4.087 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.26 min

Lab File: BF098149.D

Acq: 30 Aug 2017 10:20

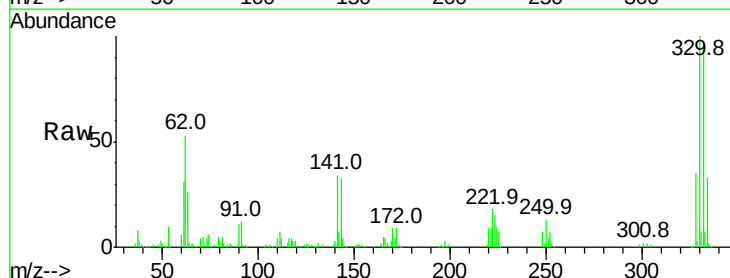
Tgt Ion:248 Resp: 12278

Ion Ratio Lower Upper

248 100

250 197.9 76.8 115.2#

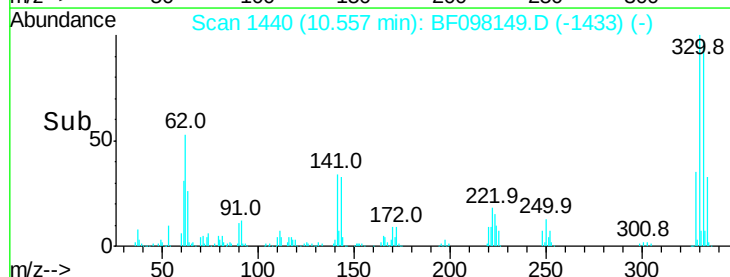
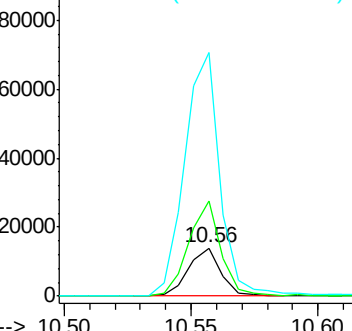
141 508.5 68.6 103.0#

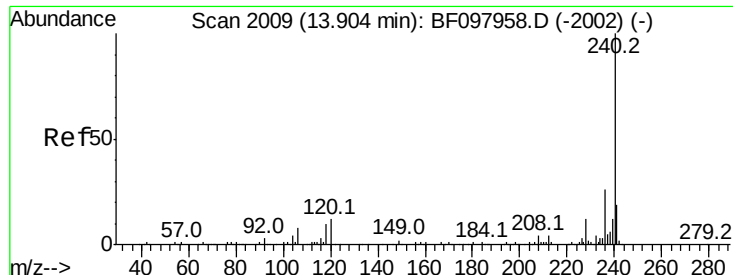


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098149.D

Acq: 30 Aug 2017 10:20

Instrument :

BNA_F

ClientSampleId :

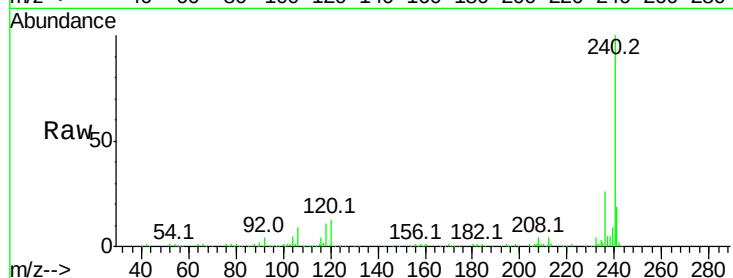
Tot Ion:240 Resp: 219098

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

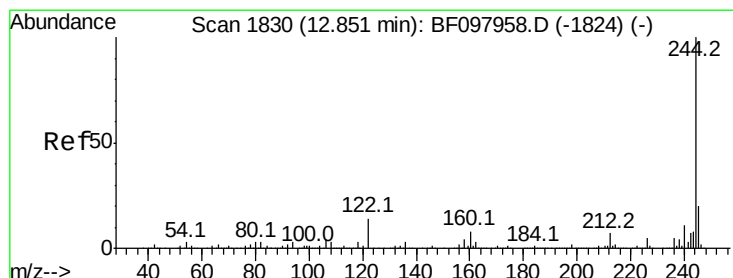
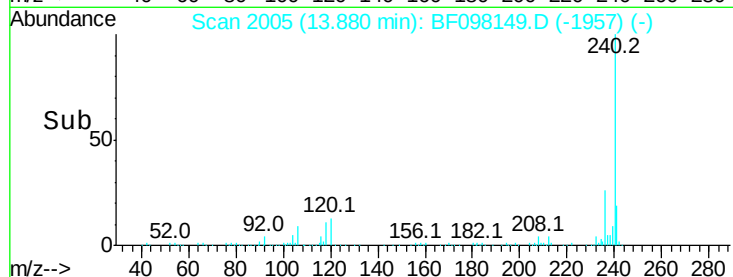
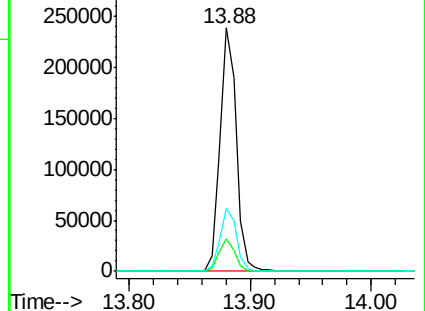
236 25.7 20.5 30.7



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: 66.954 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098149.D

Acq: 30 Aug 2017 10:20

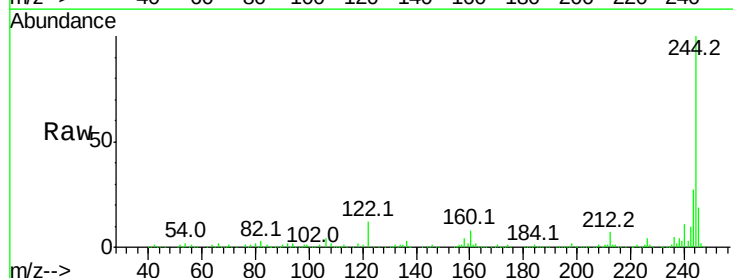
Tgt Ion:244 Resp: 703454

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

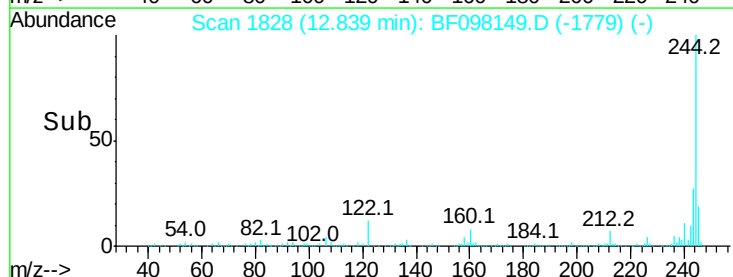
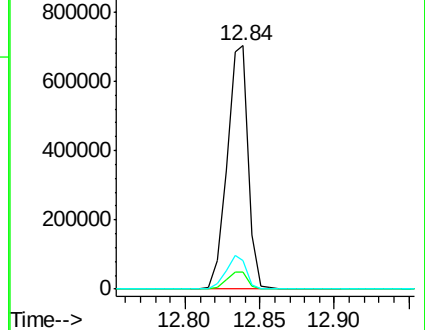
122 11.9 10.3 15.5

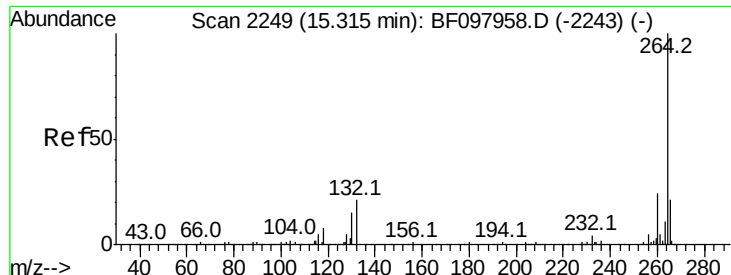


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

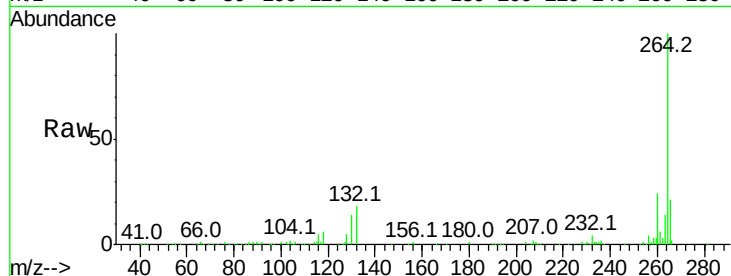




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098149.D
 Acq: 30 Aug 2017 10:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	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

