

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098136.D
 Acq On : 30 Aug 2017 4:20
 Operator : SJ/JU
 Sample : I4986-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 07:46:52 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

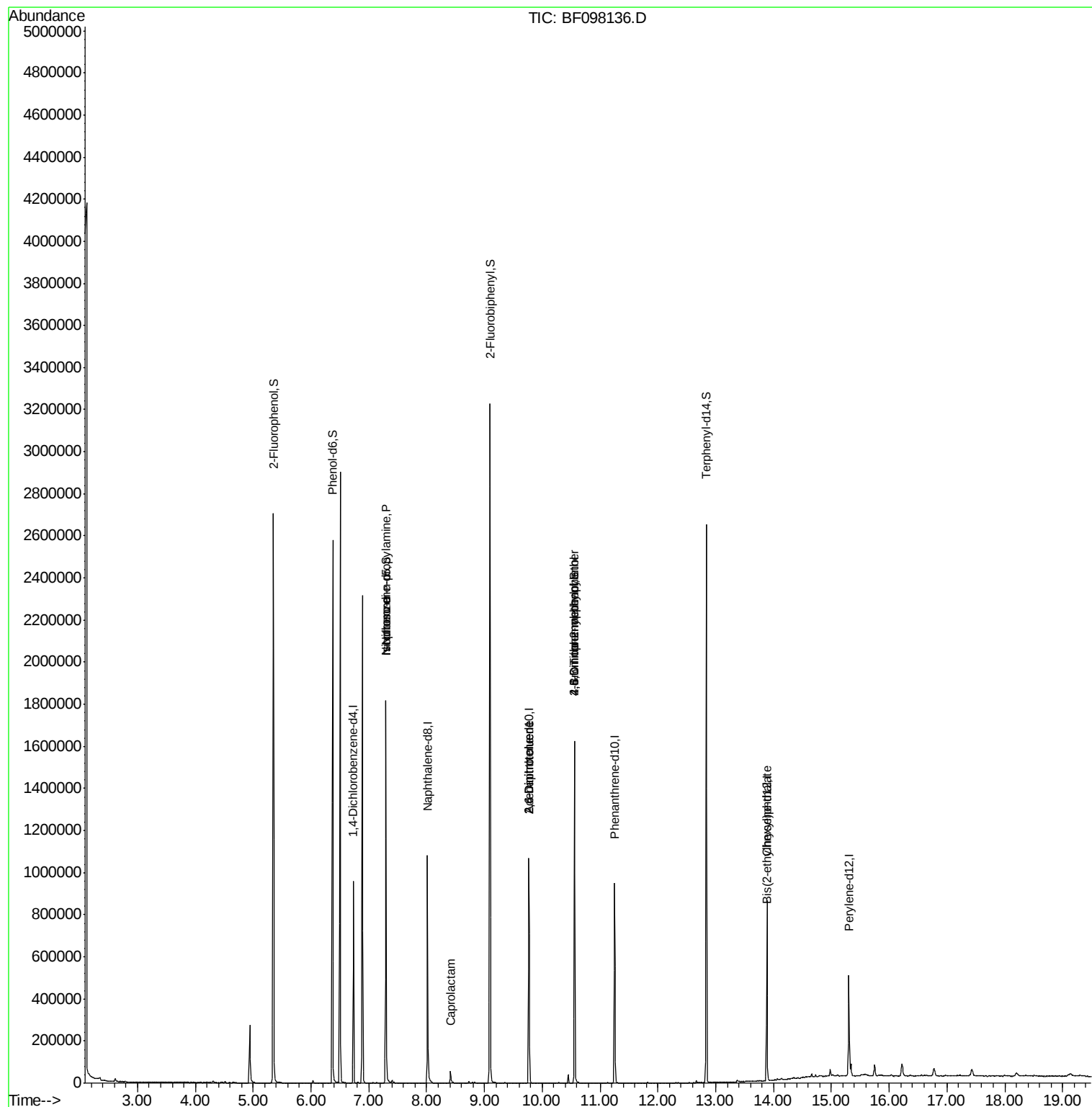
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	123192	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	478151	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	193391	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	316185	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	271296	20.00	ng	-0.01
86) Perylene-d12	15.30	264	210039	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	775562	95.76	ng	0.00
7) Phenol-d6	6.37	99	999671	90.84	ng	-0.01
23) Nitrobenzene-d5	7.30	82	686407	77.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	178396	106.32	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1049092	79.70	ng	-0.01
78) Terphenyl-d14	12.84	244	766199	58.89	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	92253	12.247	ng	# 72
25) Isophorone	7.30	82	677068	36.994	ng	# 67
35) Caprolactam	8.41	113	6616	3.071	ng	96
50) 2,6-Dinitrotoluene	9.77	165	24565	8.706	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	24565	6.937	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	389	8.537	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	11870	3.615	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.87	149	26708	2.833	ng	99

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

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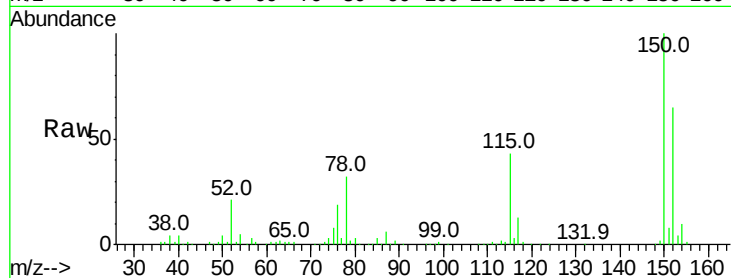


#1

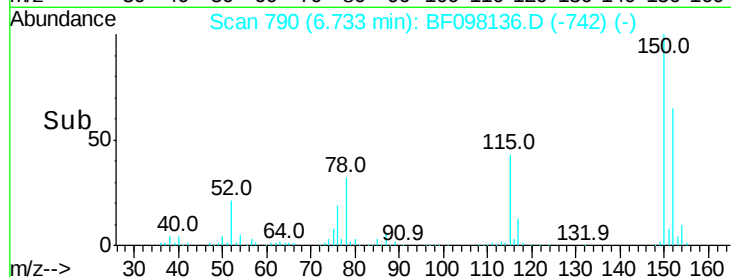
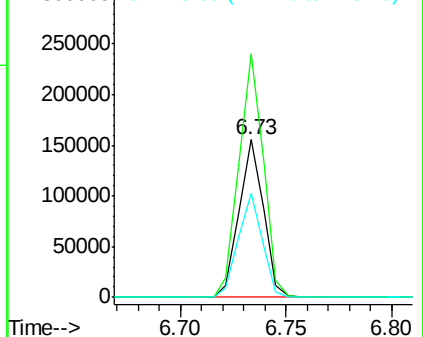
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098136.D
Acq: 30 Aug 2017 4:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	66.2	52.2	78.2



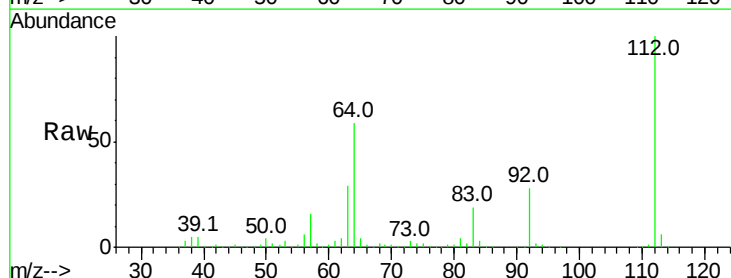
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



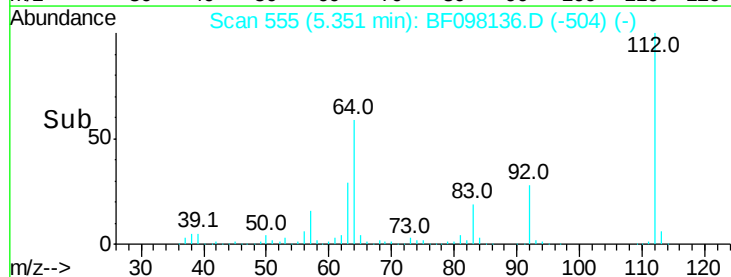
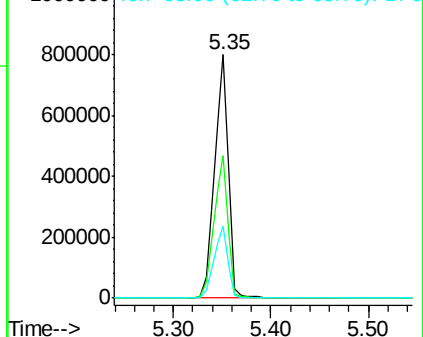
#5

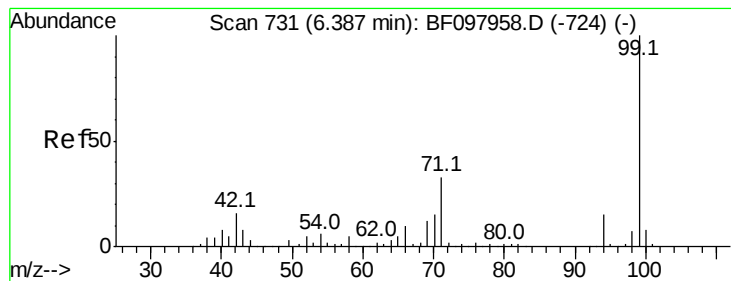
2-Fluorophenol
Concen: 95.760 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF098136.D
Acq: 30 Aug 2017 4:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.0	69.0
63	29.4	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: 90.844 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098136.D

Acq: 30 Aug 2017 4:20

Instrument :

BNA_F

ClientSampled :

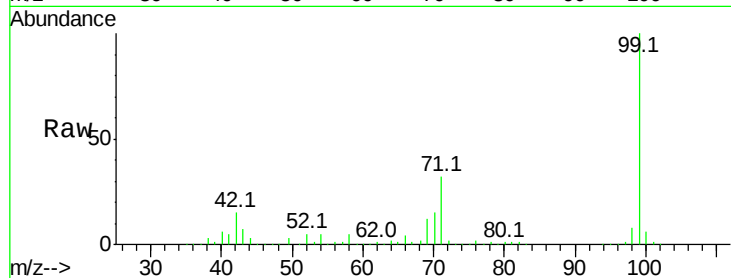
Tot Ion: 99 Resp: 999671

Ion Ratio Lower Upper

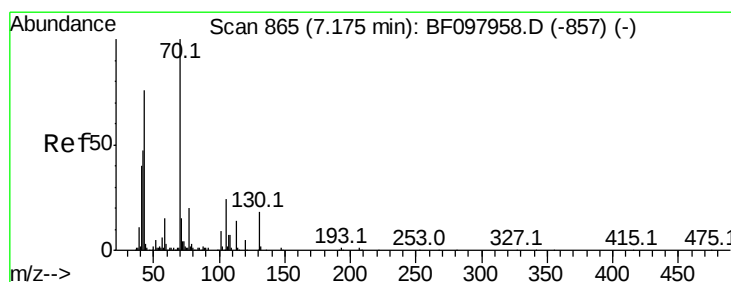
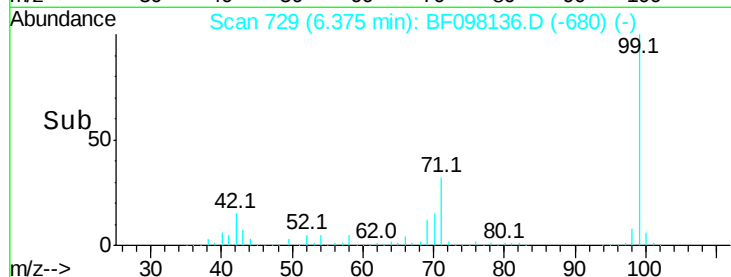
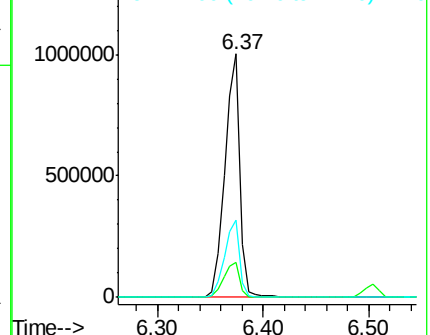
99 100

42 14.6 13.5 20.3

71 31.8 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: 12.247 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF098136.D

Acq: 30 Aug 2017 4:20

Tgt Ion: 70 Resp: 92253

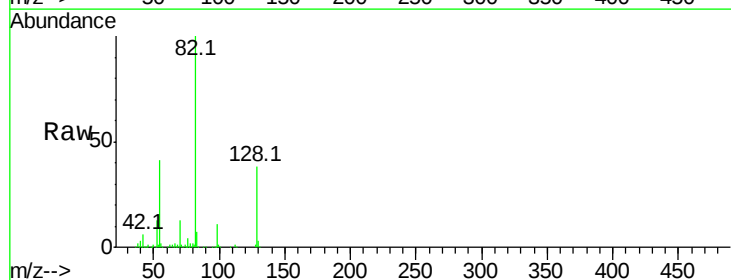
Ion Ratio Lower Upper

70 100

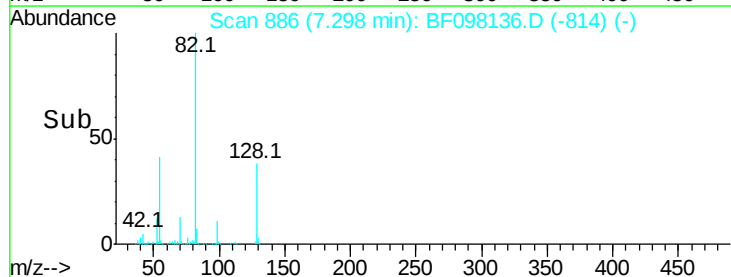
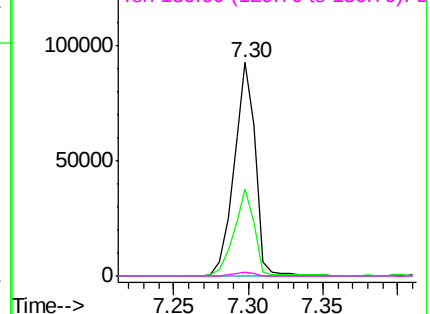
42 40.9 47.2 70.8#

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

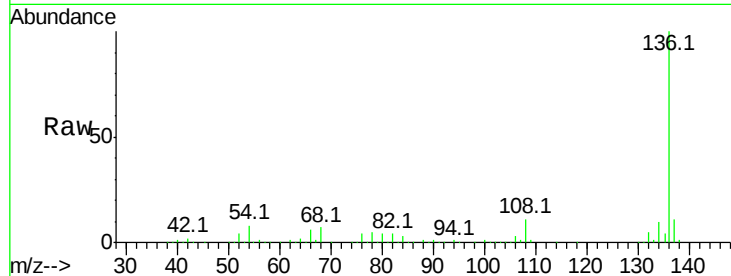




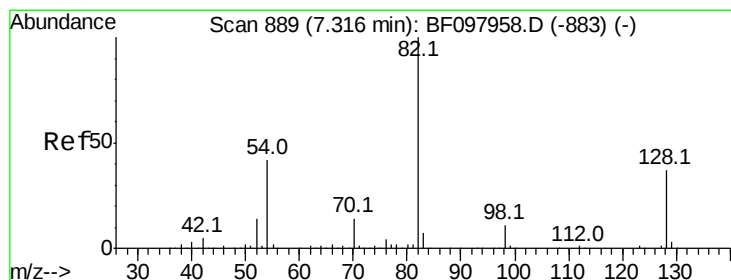
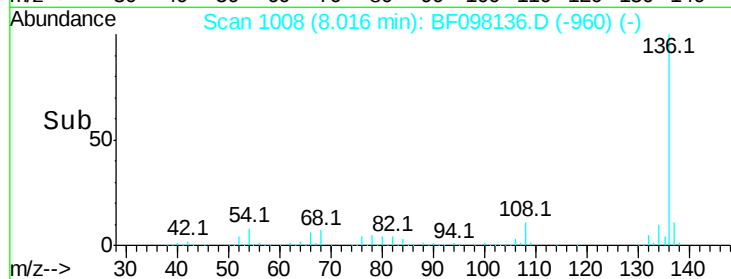
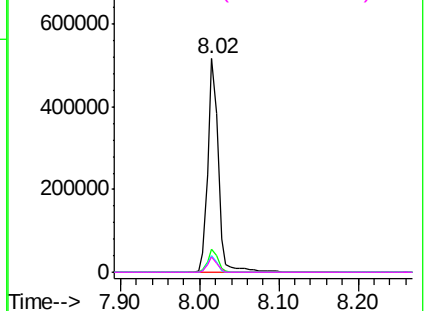
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098136.D
Acq: 30 Aug 2017 4:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	478151
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.6	4.9	7.3#
68	7.1	4.1	6.1#

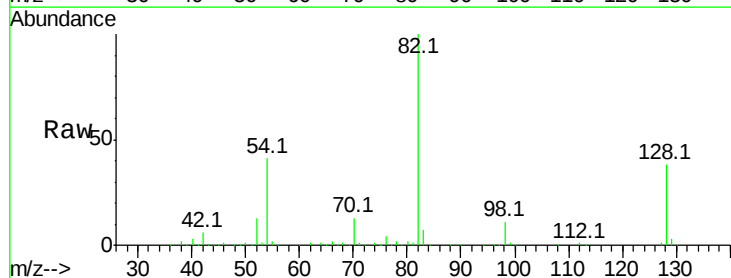


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

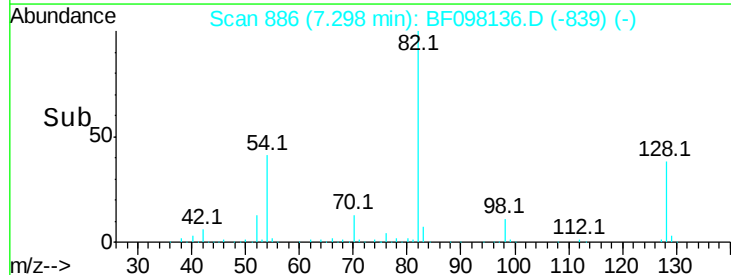
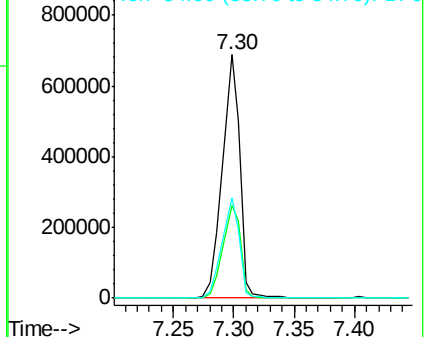


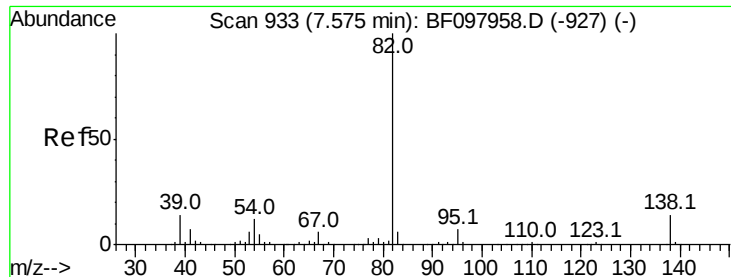
#23
Nitrobenzene-d5
Concen: 77.985 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF098136.D
Acq: 30 Aug 2017 4:20

Tgt Ion:	82	Resp:	686407
Ion	Ratio	Lower	Upper
82	100		
128	37.9	34.0	51.0
54	41.1	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: 36.994 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF098136.D

Acq: 30 Aug 2017 4:20

Instrument :

BNA_F

ClientSampled :

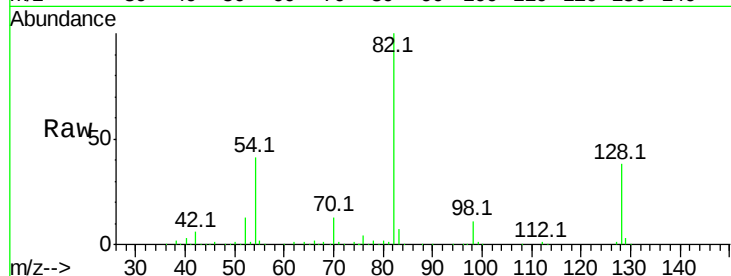
Tot Ion: 82 Resp: 677068

Ion Ratio Lower Upper

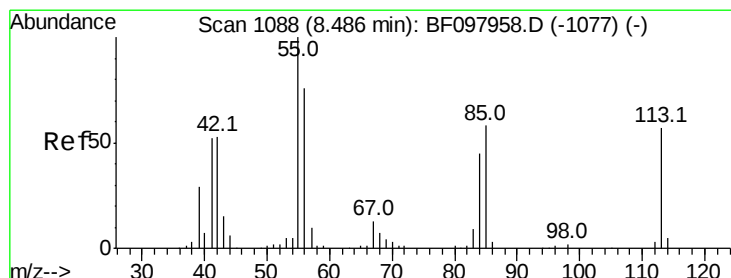
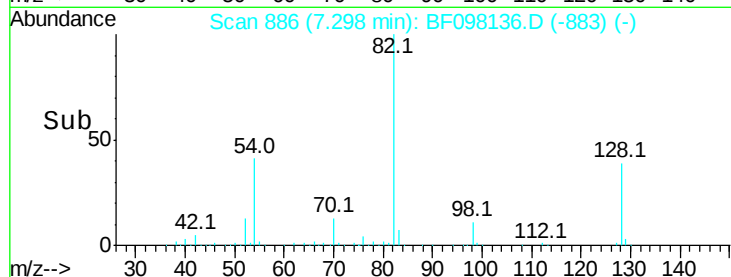
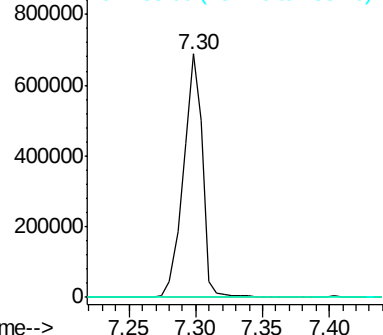
82 100

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



#35

Caprolactam

Concen: 3.071 ng

RT: 8.41 min Scan# 1075

Delta R.T. -0.08 min

Lab File: BF098136.D

Acq: 30 Aug 2017 4:20

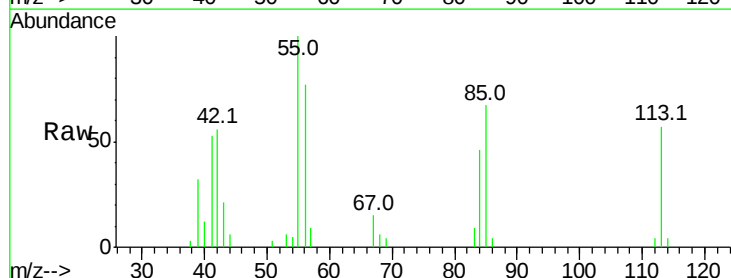
Tgt Ion: 113 Resp: 6616

Ion Ratio Lower Upper

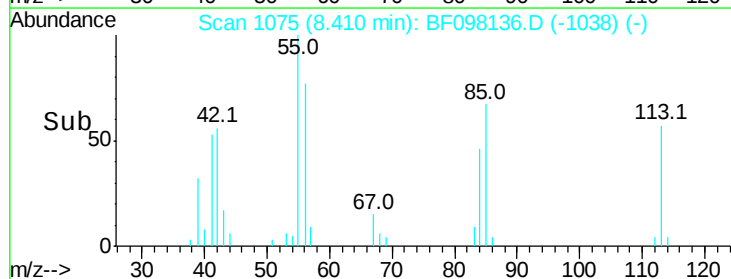
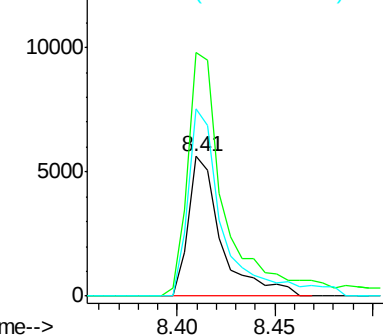
113 100

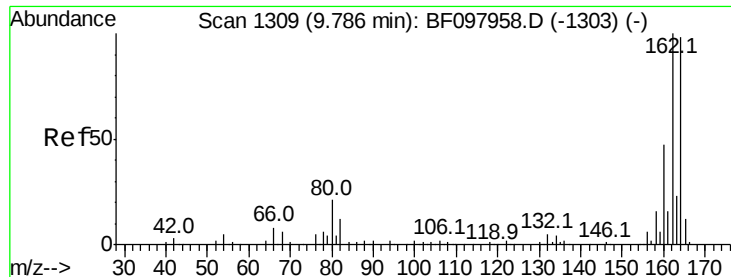
55 174.4 150.2 190.2

56 133.7 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): BF0
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

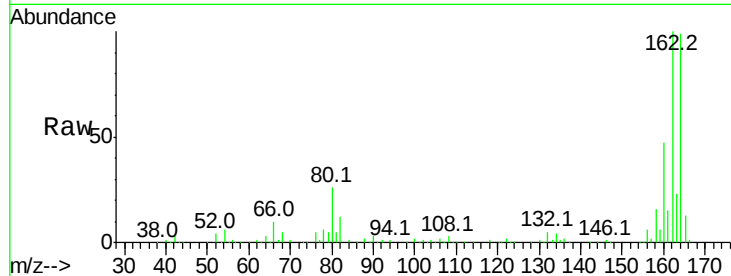




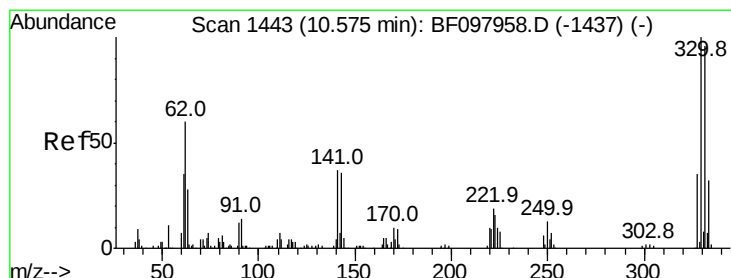
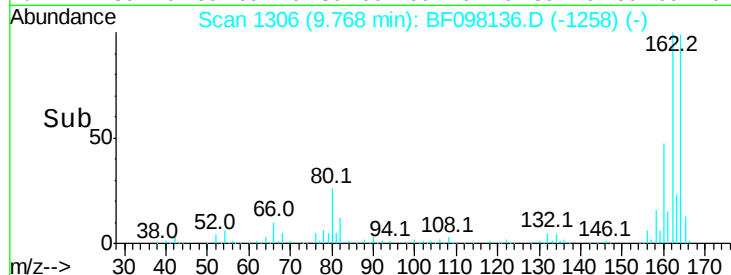
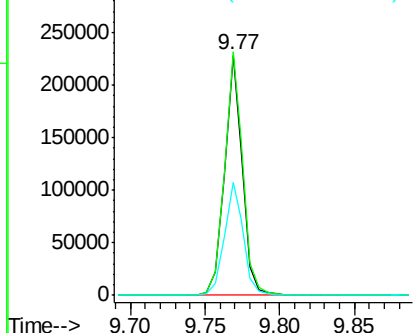
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF098136.D
Acq: 30 Aug 2017 4:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 193391
Ion Ratio Lower Upper
164 100
162 101.5 82.6 123.8
160 47.3 36.2 54.2

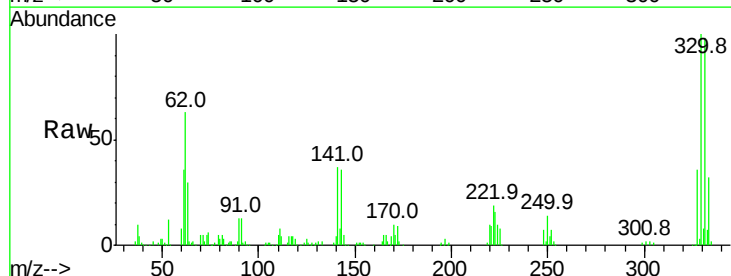


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

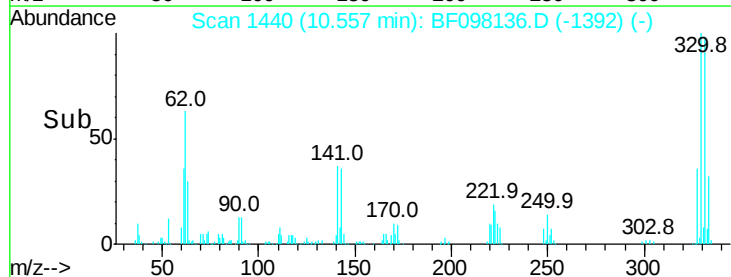
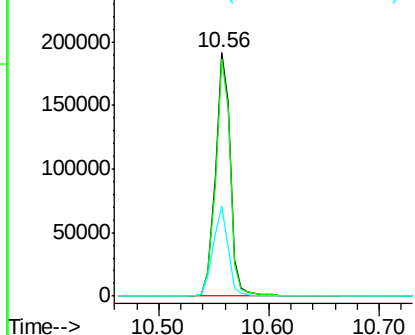


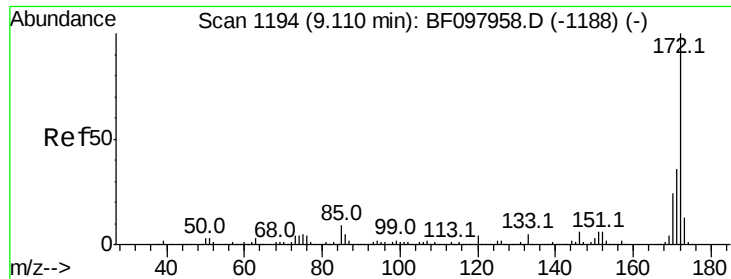
#41
2,4,6-Tribromophenol
Concen: 106.316 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF098136.D
Acq: 30 Aug 2017 4:20

Tgt Ion:330 Resp: 178396
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 37.5 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



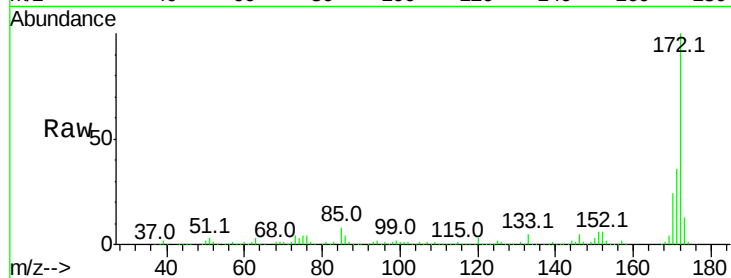


#44
 2-Fluorobiphenyl
 Concen: 79.700 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098136.D
 Acq: 30 Aug 2017 4:20

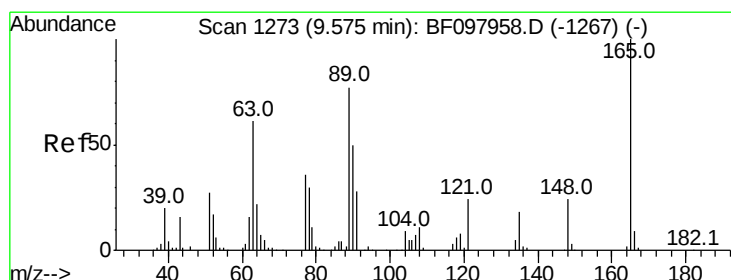
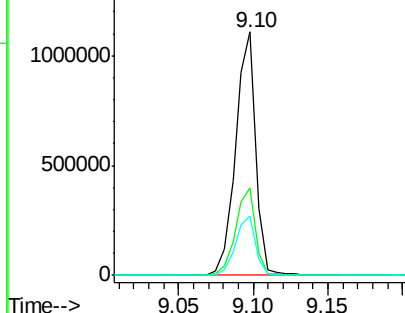
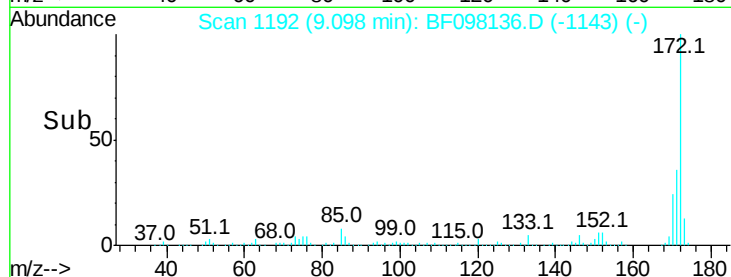
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1049092

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.3	19.8	29.8



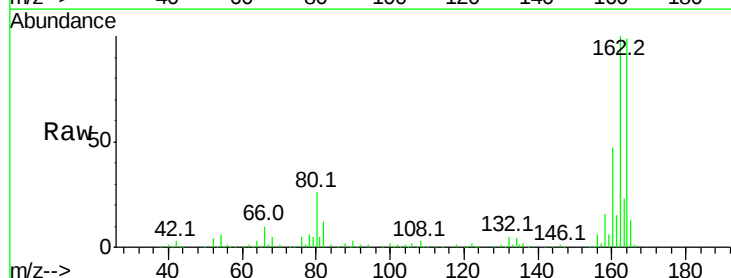
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



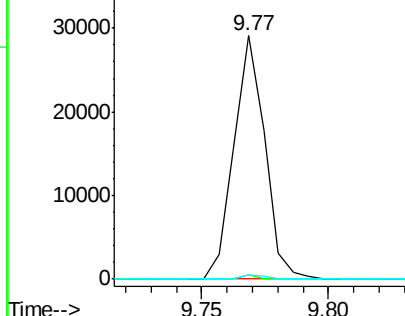
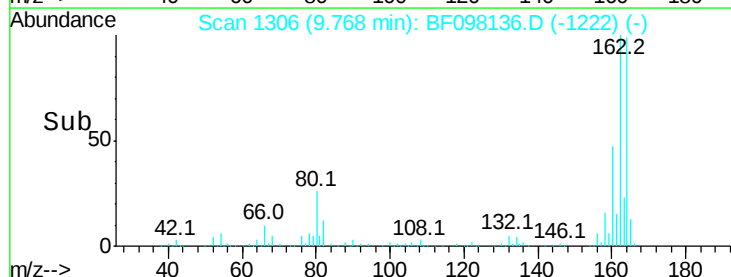
#50
 2,6-Dinitrotoluene
 Concen: 8.706 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.19 min
 Lab File: BF098136.D
 Acq: 30 Aug 2017 4:20

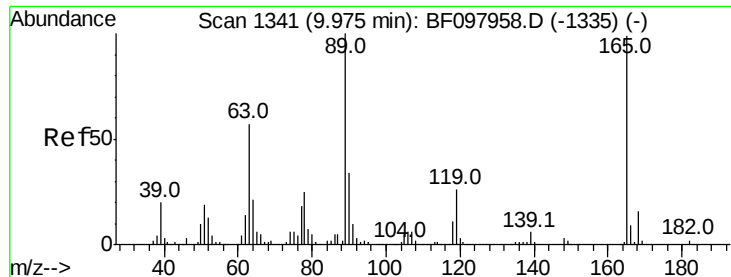
Tgt Ion:165 Resp: 24565

Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.6	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

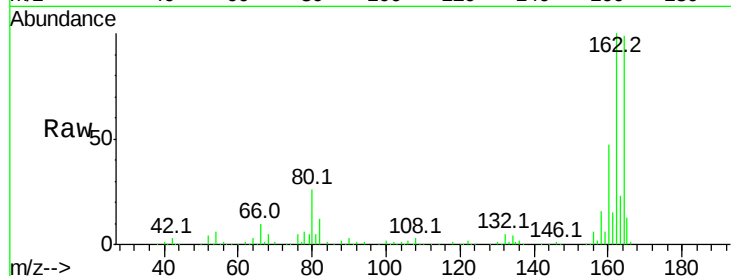




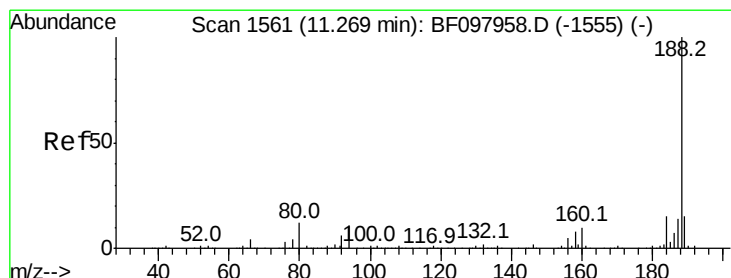
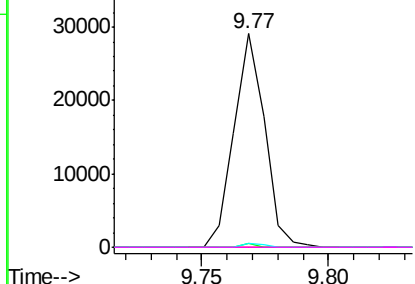
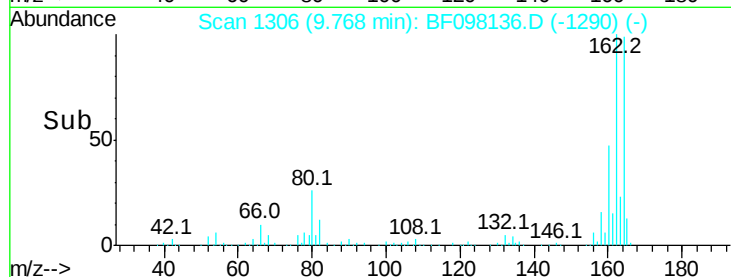
#56
 2,4-Dinitrotoluene
 Concen: 6.937 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.21 min
 Lab File: BF098136.D
 Acq: 30 Aug 2017 4:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 24565
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 1.6 46.4 69.6#
 182 0.0 1.8 2.6#

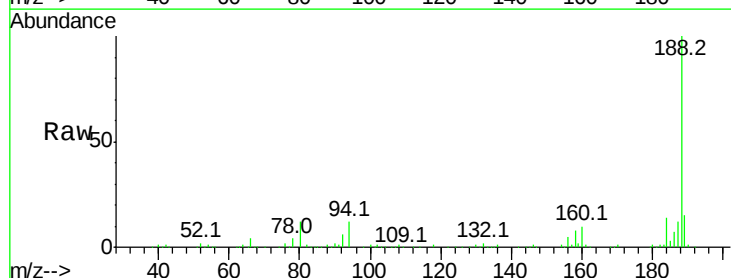


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

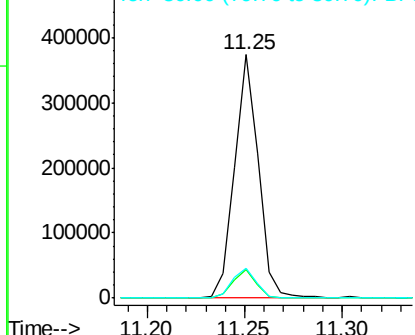
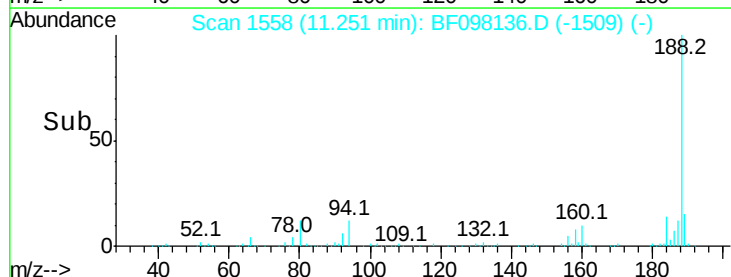


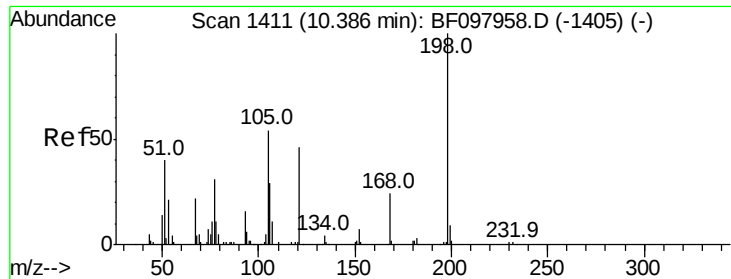
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098136.D
 Acq: 30 Aug 2017 4:20

Tgt Ion:188 Resp: 316185
 Ion Ratio Lower Upper
 188 100
 94 11.7 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: 8.537 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098136.D

Acq: 30 Aug 2017 4:20

Instrument :

BNA_F

ClientSampleId :

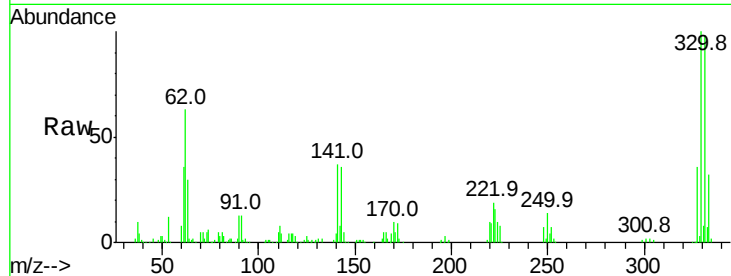
Tot Ion:198 Resp: 389

Ion Ratio Lower Upper

198 100

51 176.0 53.2 93.2#

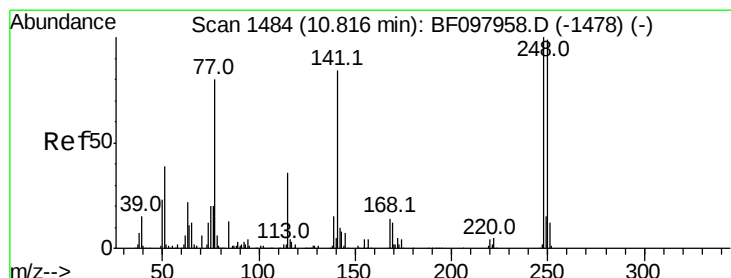
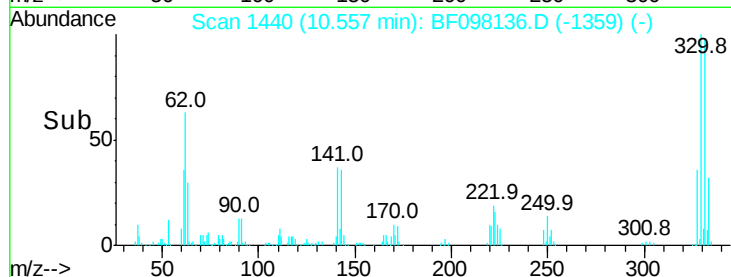
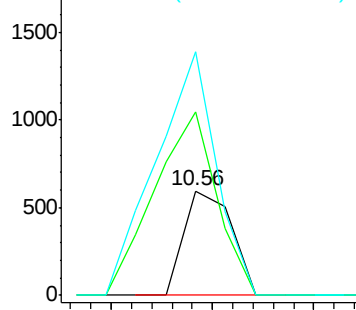
105 233.1 45.8 85.8#



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: 3.615 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.26 min

Lab File: BF098136.D

Acq: 30 Aug 2017 4:20

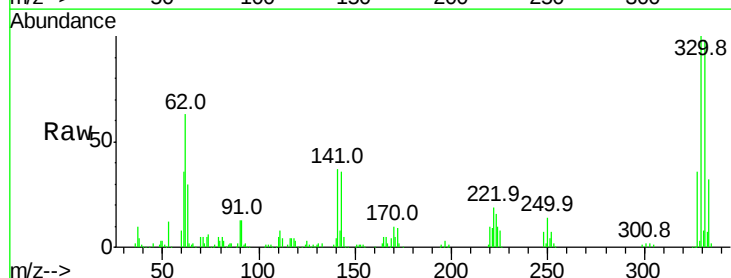
Tgt Ion:248 Resp: 11870

Ion Ratio Lower Upper

248 100

250 203.8 76.8 115.2#

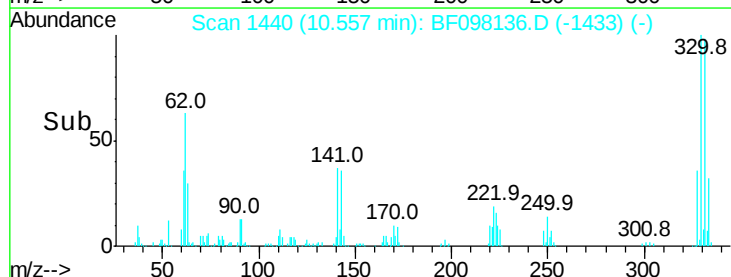
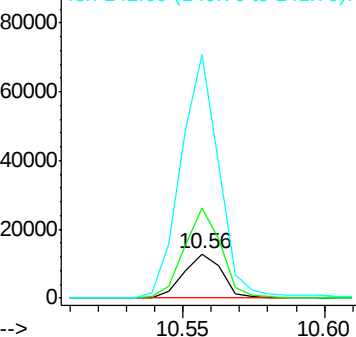
141 549.8 68.6 103.0#

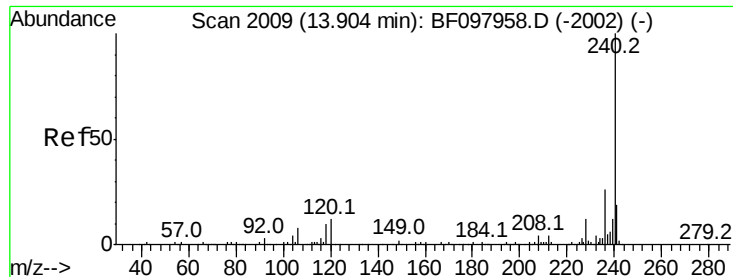


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF098136.D

Acq: 30 Aug 2017 4:20

Instrument :

BNA_F

ClientSampleId :

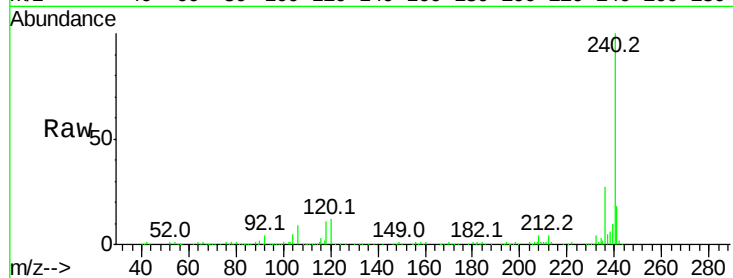
Tot Ion:240 Resp: 271296

Ion Ratio Lower Upper

240 100

120 12.0 5.8 8.8#

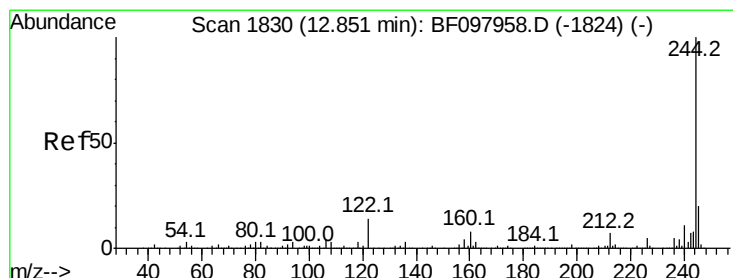
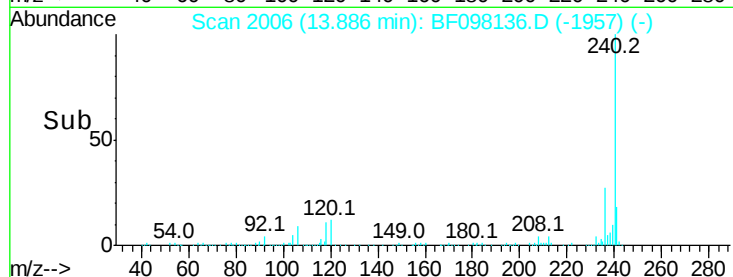
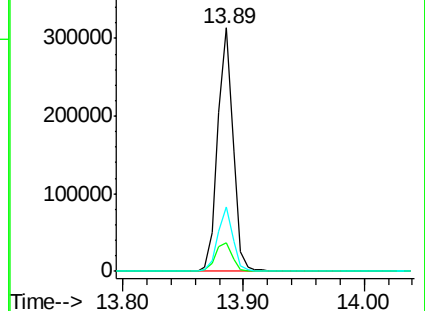
236 26.6 20.5 30.7



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: 58.894 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098136.D

Acq: 30 Aug 2017 4:20

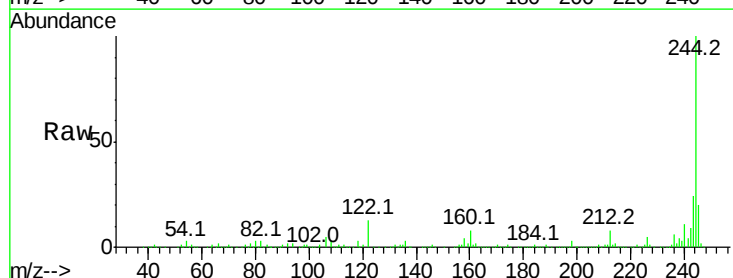
Tgt Ion:244 Resp: 766199

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

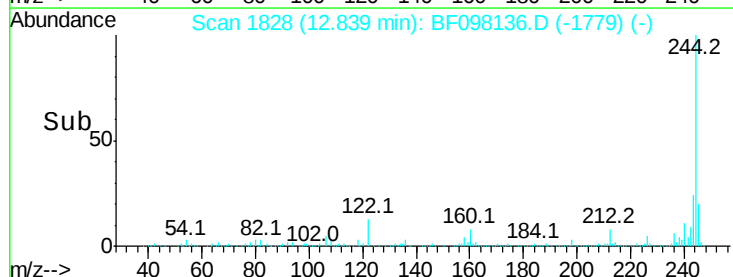
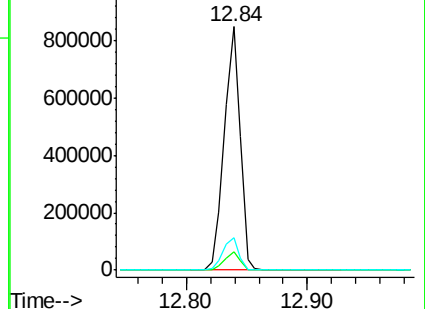
122 13.5 10.3 15.5

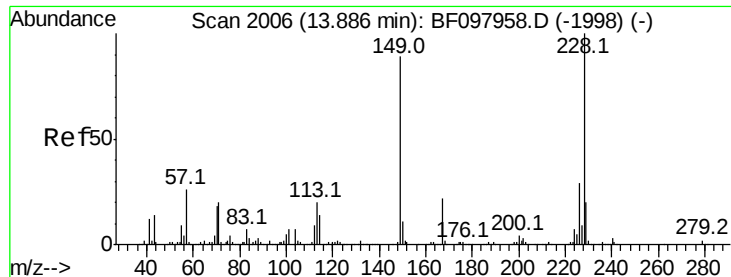


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.833 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098136.D

Acq: 30 Aug 2017 4:20

Instrument :

BNA_F

ClientSampleId :

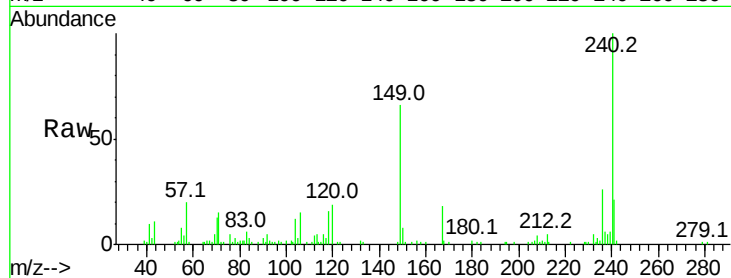
Tot Ion:149 Resp: 26708

Ion Ratio Lower Upper

149 100

167 26.7 21.0 31.4

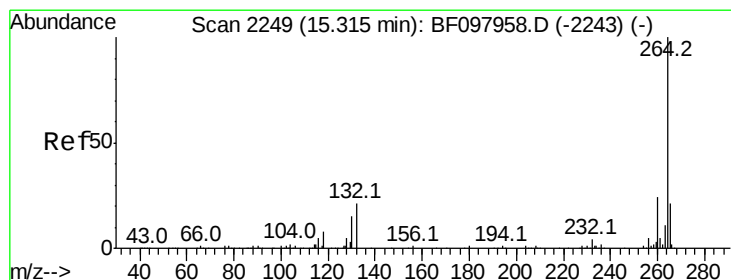
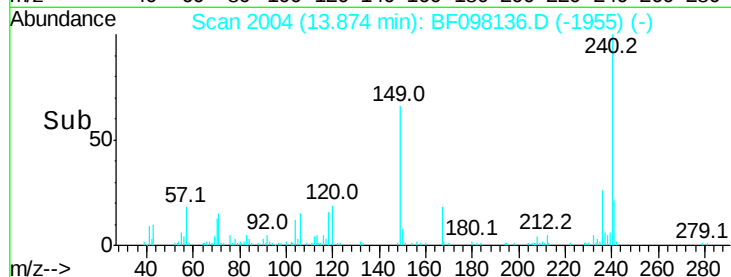
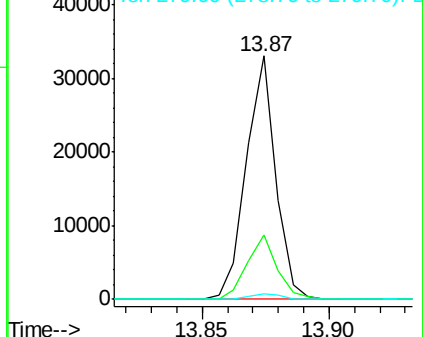
279 2.2 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BF098136.D

Acq: 30 Aug 2017 4:20

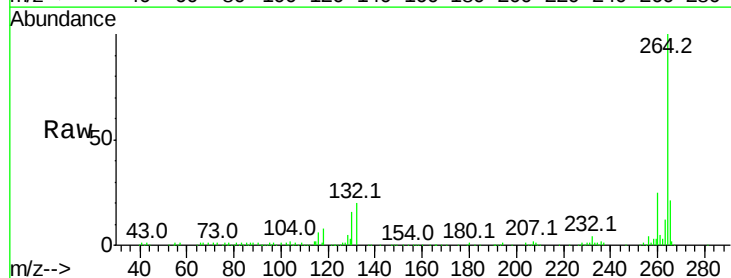
Tgt Ion:264 Resp: 210039

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

265 21.2 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

