

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098039.D
 Acq On : 25 Aug 2017 19:22
 Operator : SJ/JU
 Sample : PB101833BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB101833BL

Quant Time: Aug 25 23:21:11 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

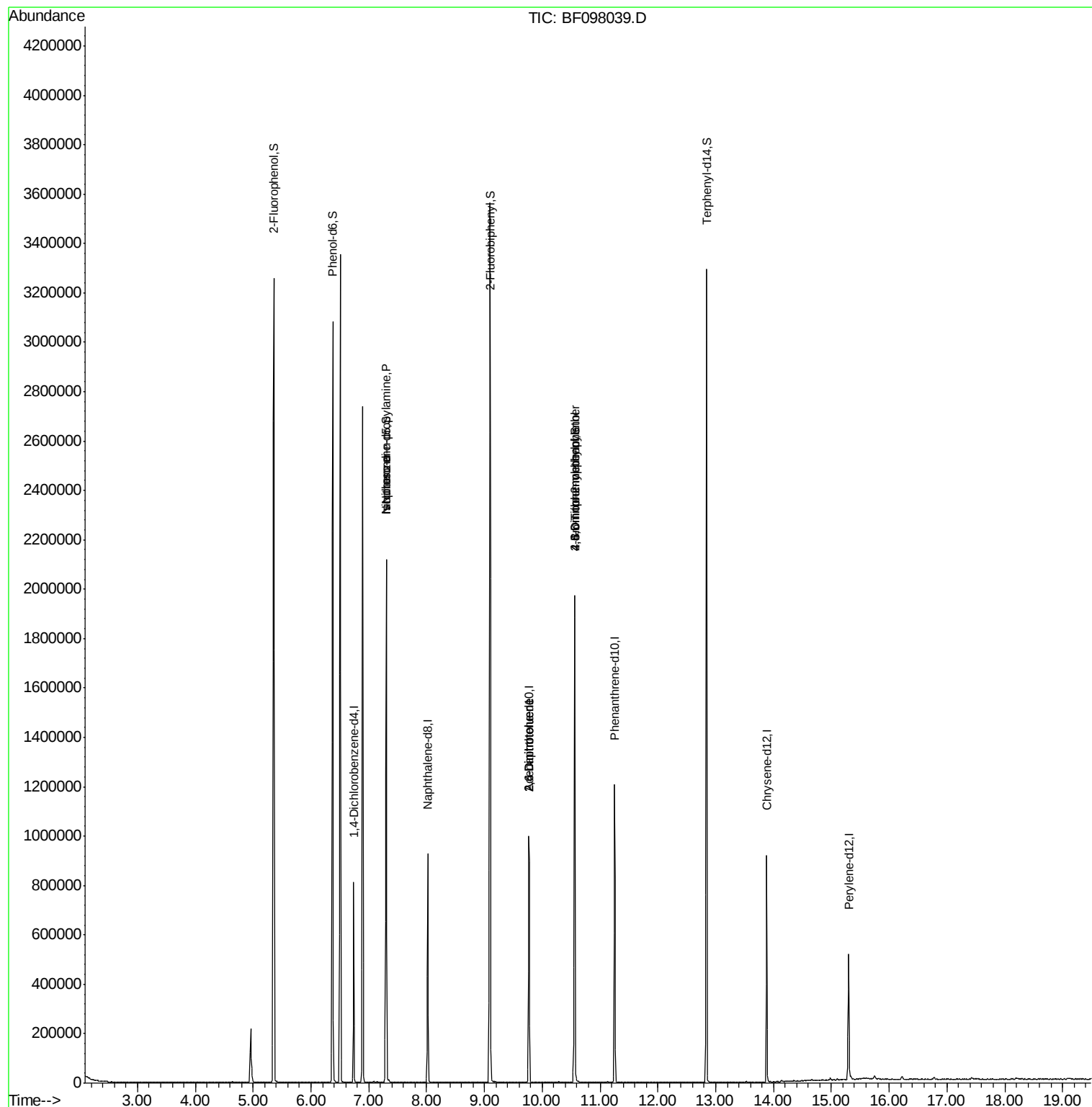
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	114227	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	458629	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	204324	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	410063	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	322042	20.00	ng	-0.02
86) Perylene-d12	15.30	264	229473	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1074076	143.03	ng	0.00
7) Phenol-d6	6.38	99	1429571	140.11	ng	0.00
23) Nitrobenzene-d5	7.30	82	887867	105.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	272238	153.56	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1321425	95.02	ng	-0.01
78) Terphenyl-d14	12.84	244	1142401	73.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	117708	16.85	ng	# 72
25) Isophorone	7.30	82	859757	48.98	ng	# 67
50) 2,6-Dinitrotoluene	9.77	165	25214	8.46	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	25214	6.74	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	561	8.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	17693	4.15	ng	# 1

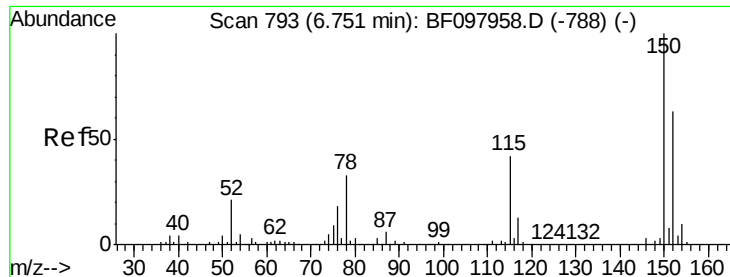
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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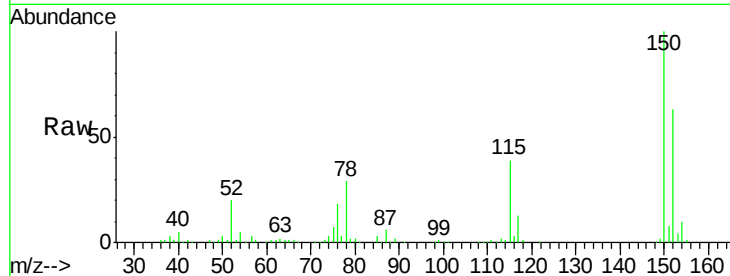


#1

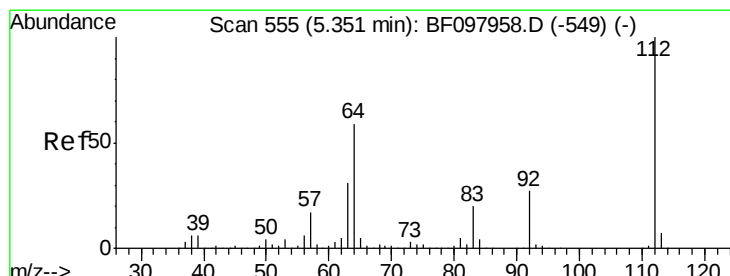
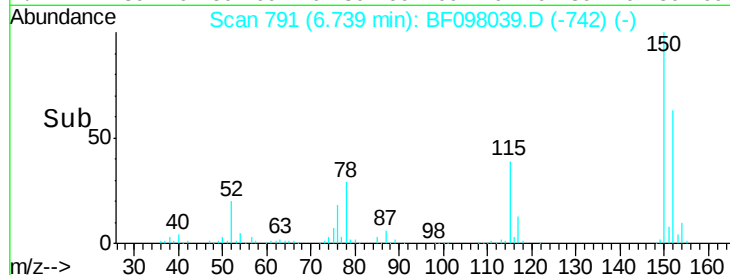
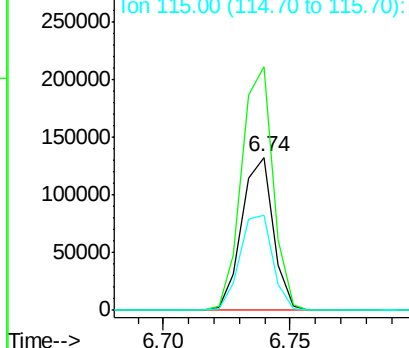
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098039.D
 Acq: 25 Aug 2017 19:22

Instrument :
 BNA_F
 ClientSampleId :
 PB101833BL

Tot Ion:152 Resp: 114227
 Ion Ratio Lower Upper
 152 100
 150 159.1 126.2 189.2
 115 62.6 52.2 78.2



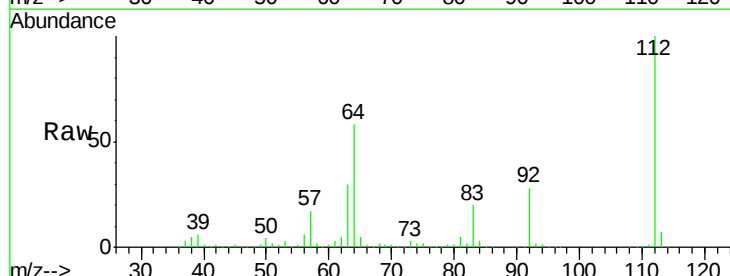
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



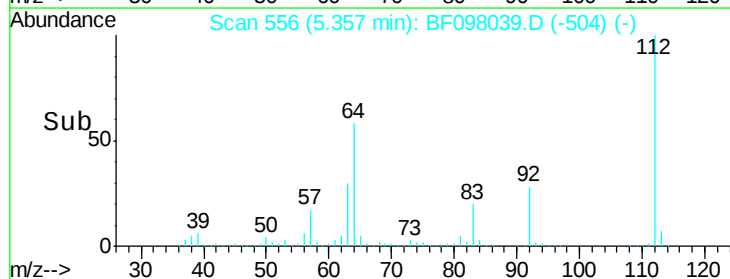
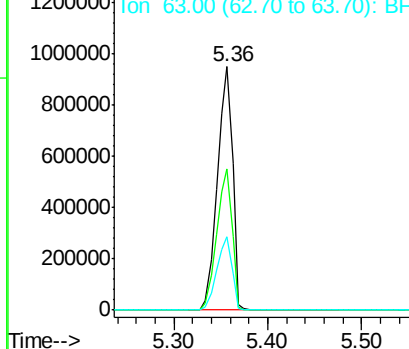
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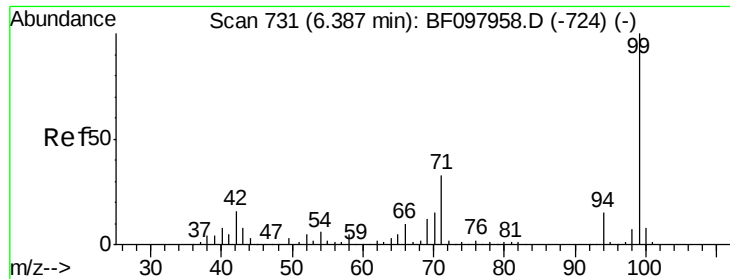
2-Fluorophenol
 Concen: 143.03 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF098039.D
 Acq: 25 Aug 2017 19:22

Tgt Ion:112 Resp: 1074076
 Ion Ratio Lower Upper
 112 100
 64 58.2 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: 140.11 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098039.D

Acq: 25 Aug 2017 19:22

Instrument :

BNA_F

ClientSampleId :

PB101833BL

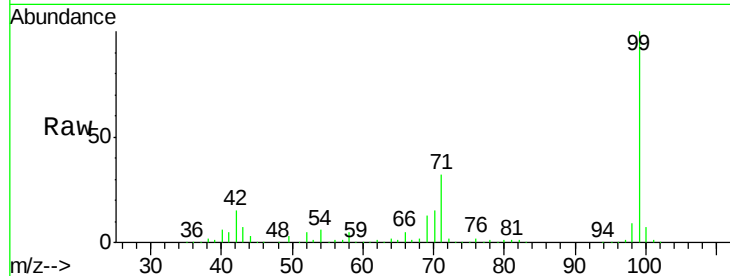
Tot Ion: 99 Resp: 1429571

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

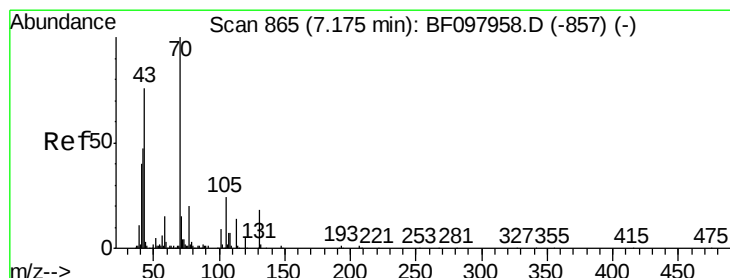
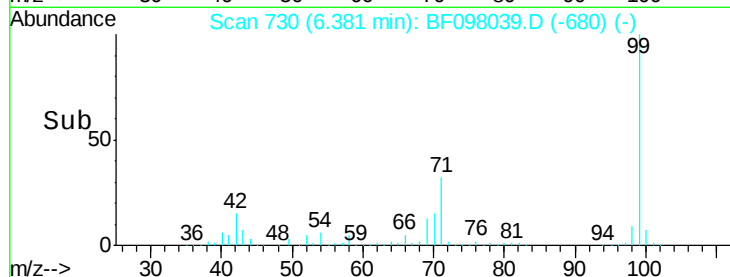
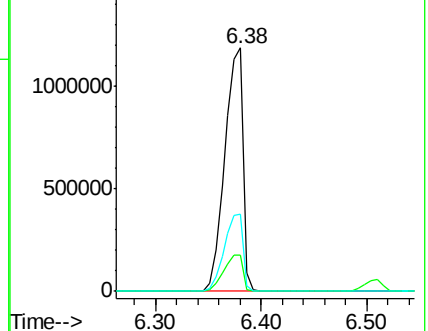
71 31.7 24.5 36.7



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: 16.85 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098039.D

Acq: 25 Aug 2017 19:22

Tgt Ion: 70 Resp: 117708

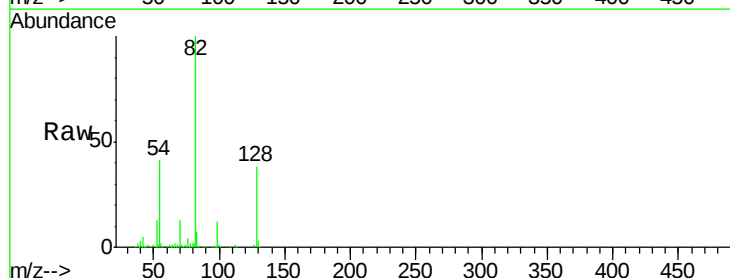
Ion Ratio Lower Upper

70 100

42 40.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

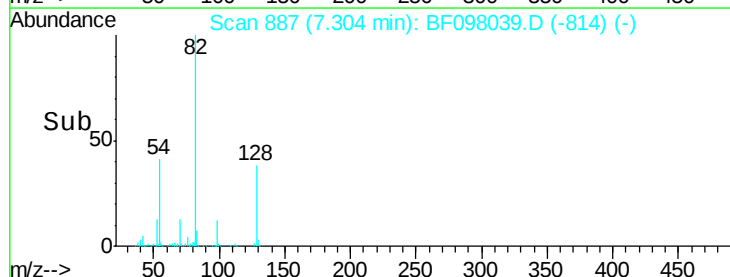
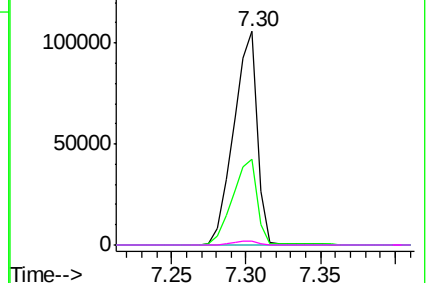


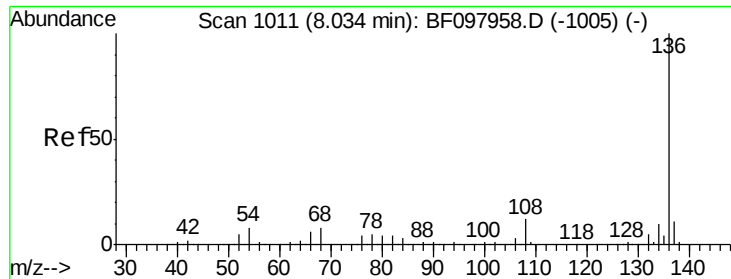
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

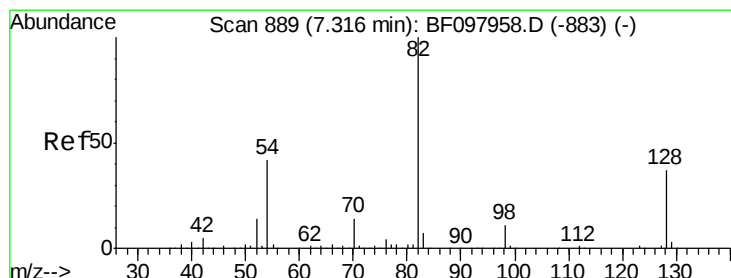
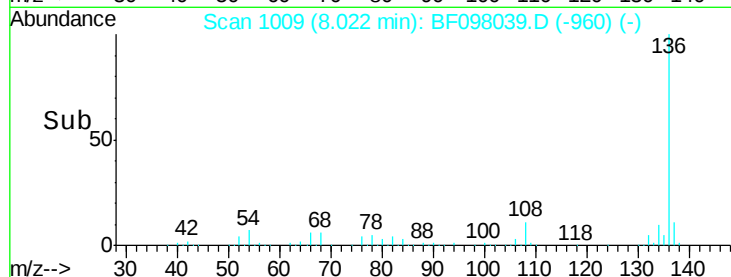
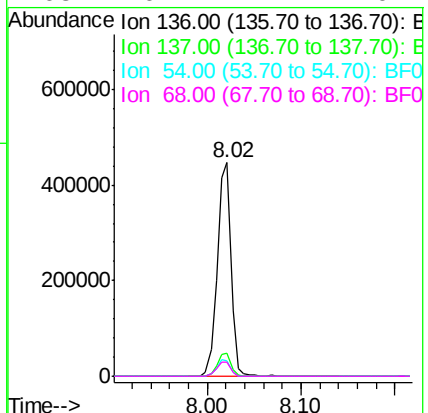
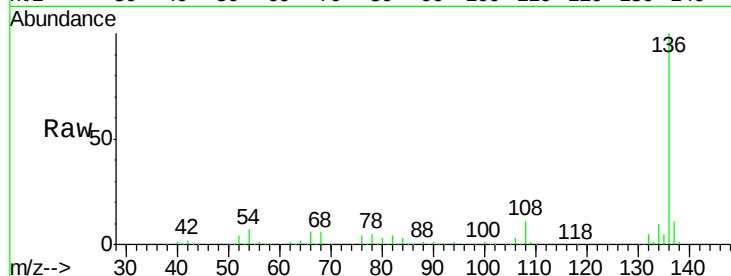




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098039.D
Acq: 25 Aug 2017 19:22

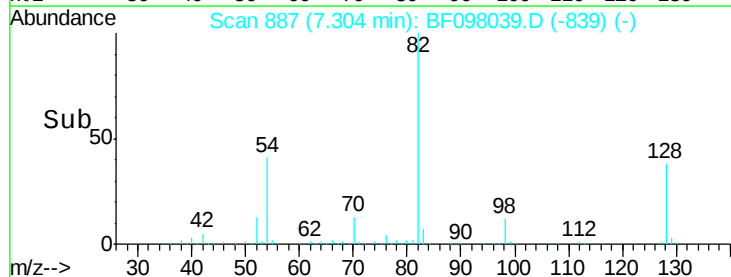
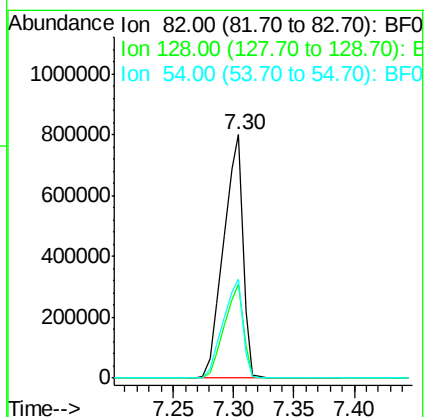
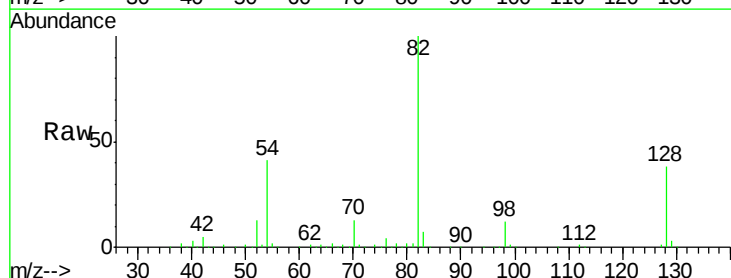
Instrument :
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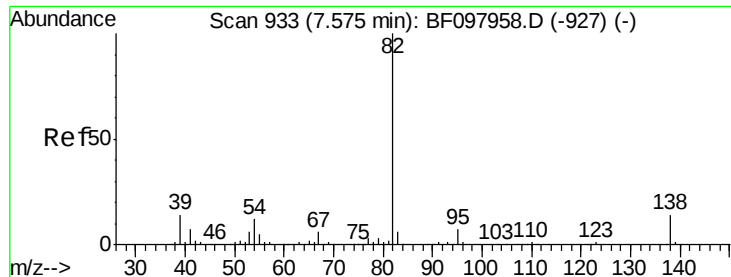
Tot Ion:136 Resp: 458629
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.4 4.9 7.3#
68 6.4 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 105.17 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098039.D
Acq: 25 Aug 2017 19:22

Tgt Ion: 82 Resp: 887867
Ion Ratio Lower Upper
82 100
128 38.4 34.0 51.0
54 40.9 42.2 63.2#





#25

Isophorone

Concen: 48.98 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098039.D

Acq: 25 Aug 2017 19:22

Instrument :

BNA_F

ClientSampleId :

PB101833BL

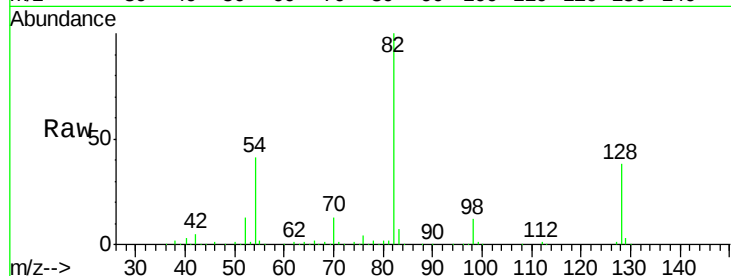
Tot Ion: 82 Resp: 859757

Ion Ratio Lower Upper

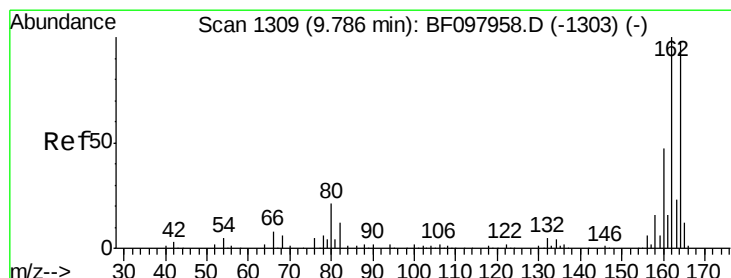
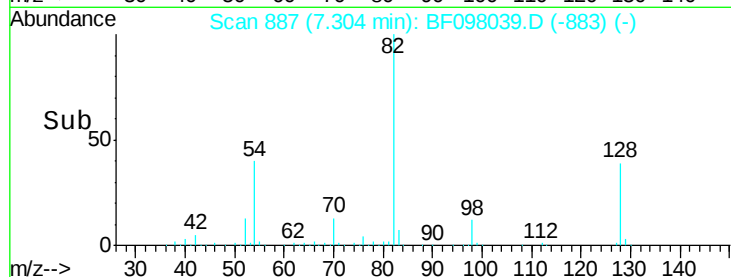
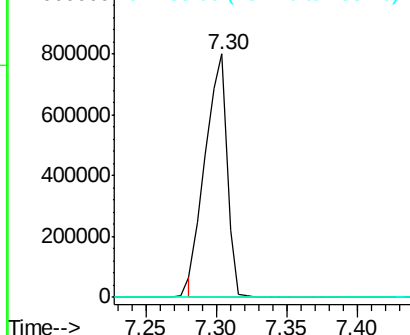
82 100

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: 20.00 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098039.D

Acq: 25 Aug 2017 19:22

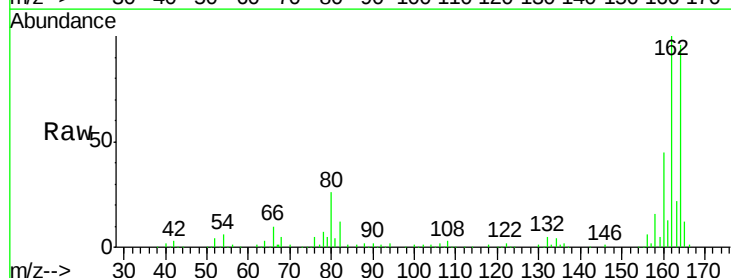
Tgt Ion: 164 Resp: 204324

Ion Ratio Lower Upper

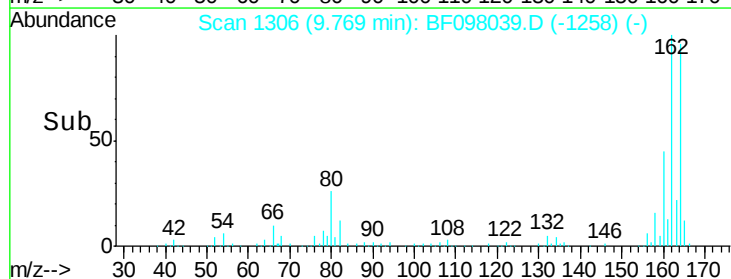
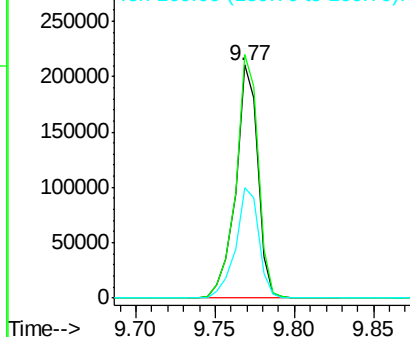
164 100

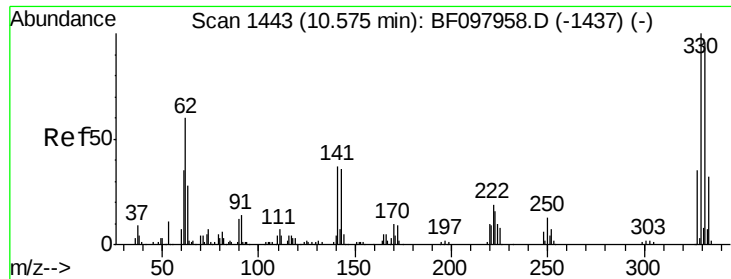
162 104.4 82.6 123.8

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

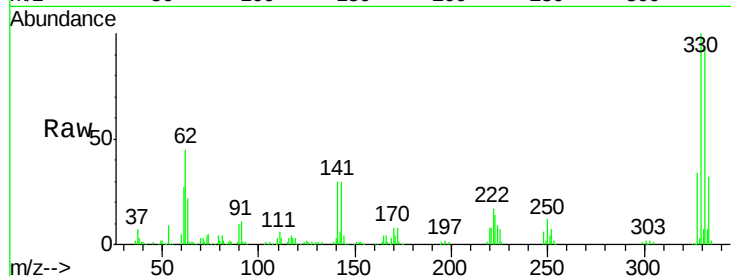




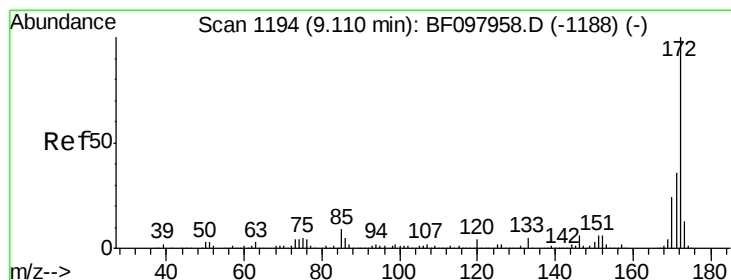
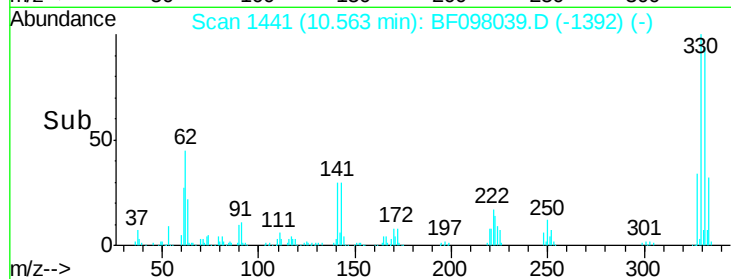
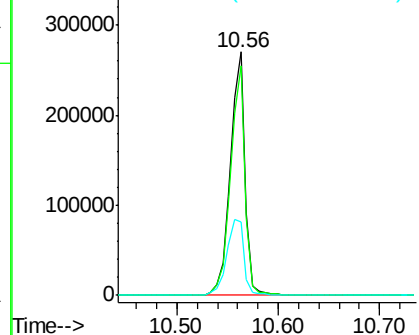
#41
 2,4,6-Tribromophenol
 Concen: 153.56 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098039.D
 Acq: 25 Aug 2017 19:22

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 ClientSampleId :
 PB101833BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	76.6	115.0
141	36.6	31.4	47.2

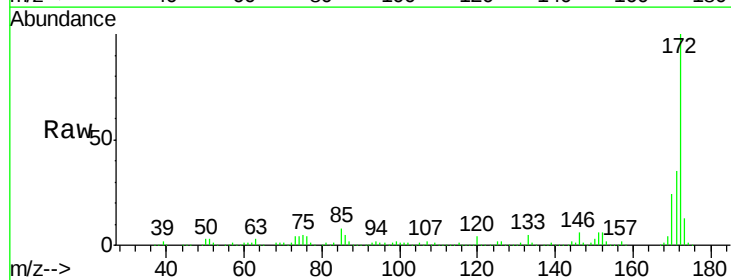


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

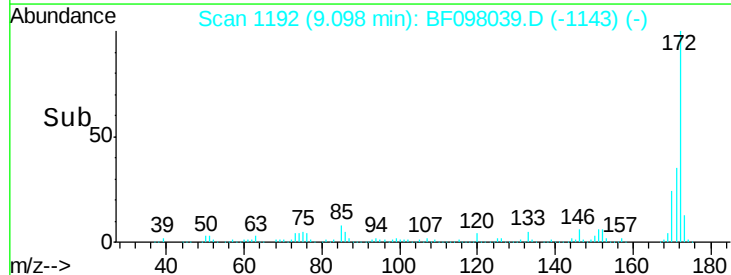
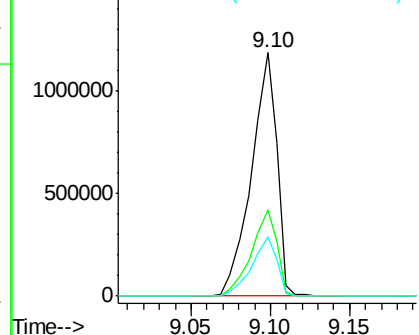


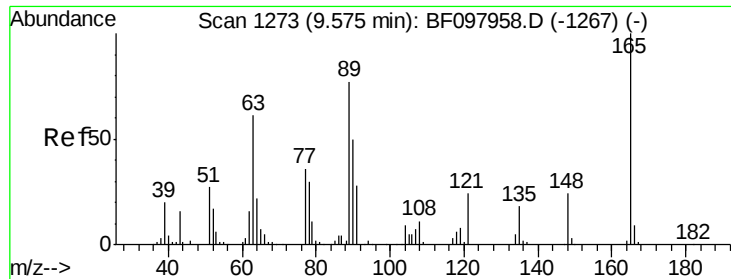
#44
 2-Fluorobiphenyl
 Concen: 95.02 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098039.D
 Acq: 25 Aug 2017 19:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	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

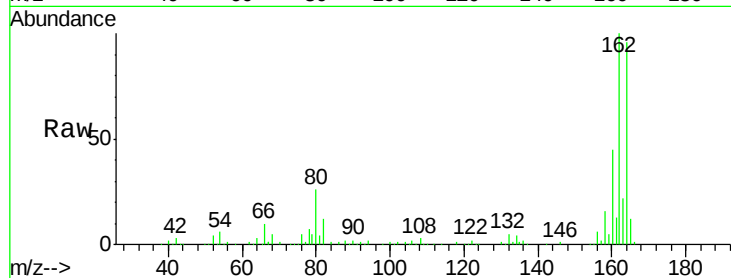




#50
2,6-Dinitrotoluene
Concen: 8.46 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.19 min
Lab File: BF098039.D
Acq: 25 Aug 2017 19:22

Instrument :
BNA_F
ClientSampleId :
PB101833BL

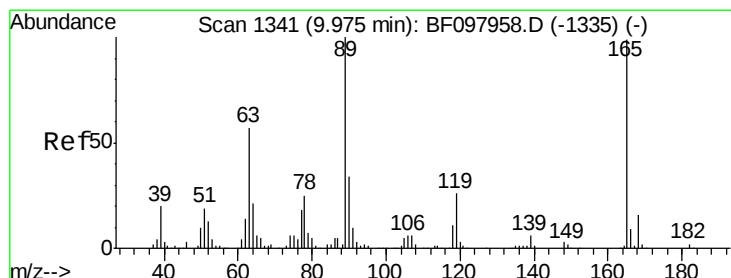
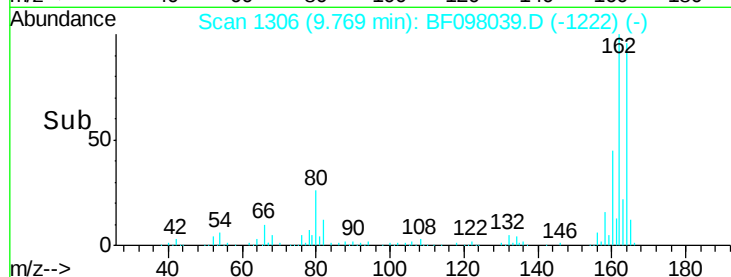
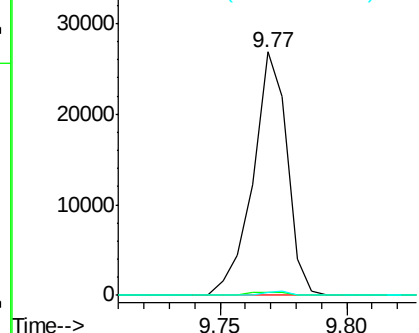
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.3	51.5#
89	1.5	37.1	55.7#



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: 6.74 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.21 min
Lab File: BF098039.D
Acq: 25 Aug 2017 19:22

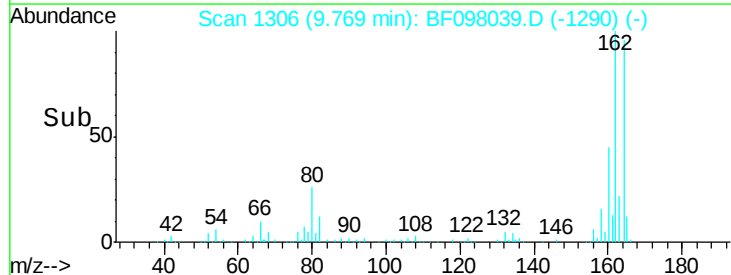
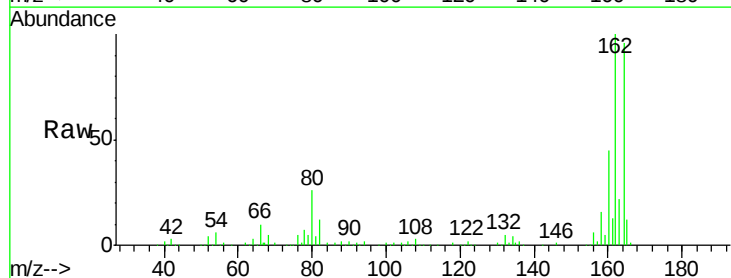
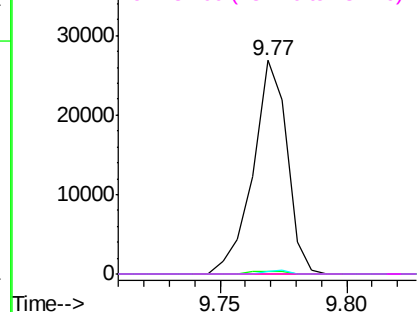
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#

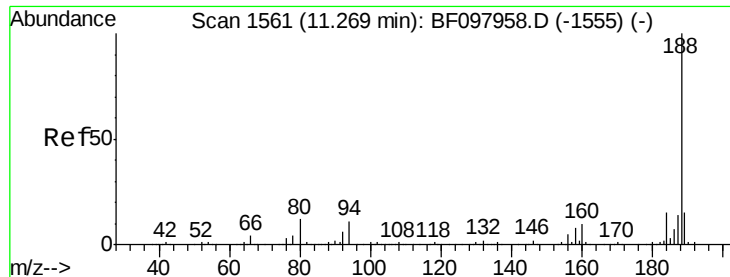
Abundance Ion 165.00 (164.70 to 165.70): E

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

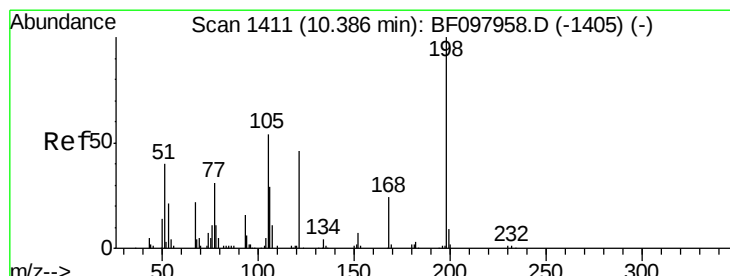
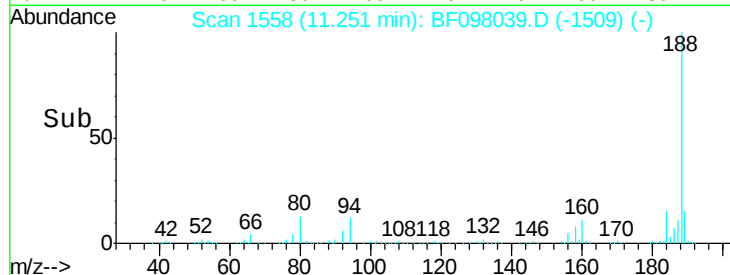
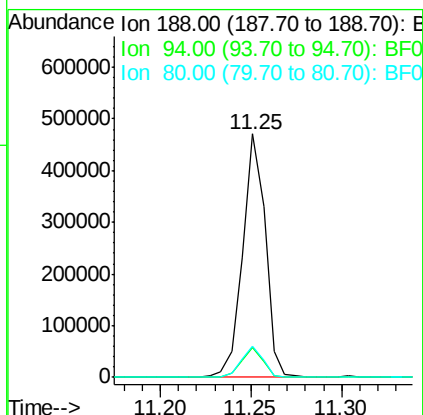
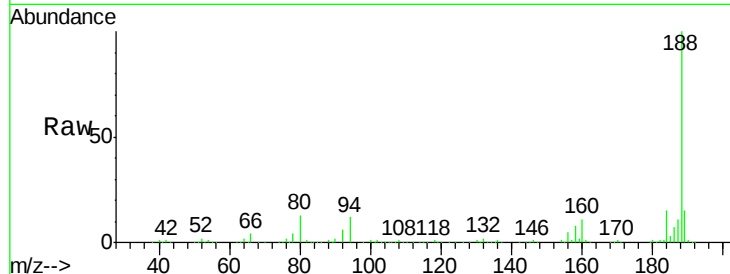




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098039.D
Acq: 25 Aug 2017 19:22

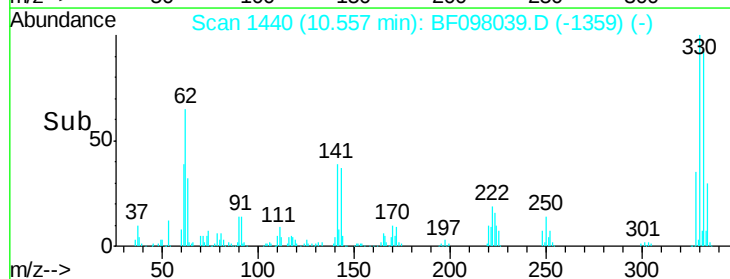
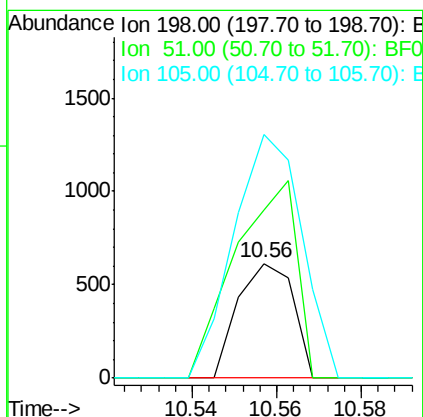
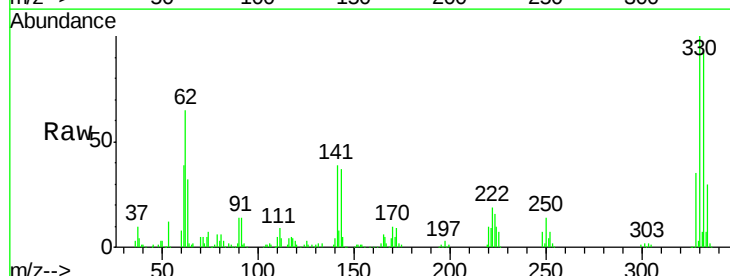
Instrument :
BNA_F
ClientSampleId :
PB101833BL

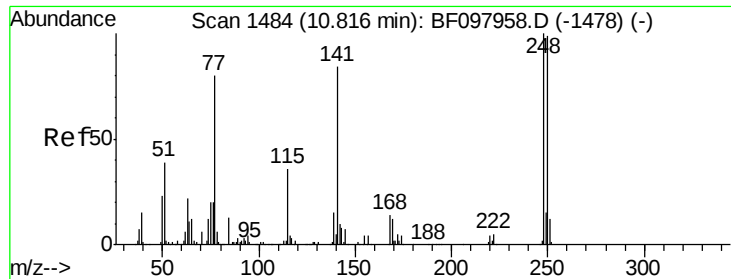
Tot Ion:188 Resp: 410063
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 12.9 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.56 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.18 min
Lab File: BF098039.D
Acq: 25 Aug 2017 19:22

Tgt Ion:198 Resp: 561
Ion Ratio Lower Upper
198 100
51 146.7 53.2 93.2#
105 212.7 45.8 85.8#

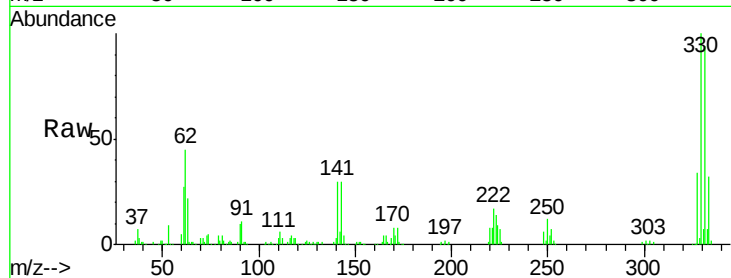




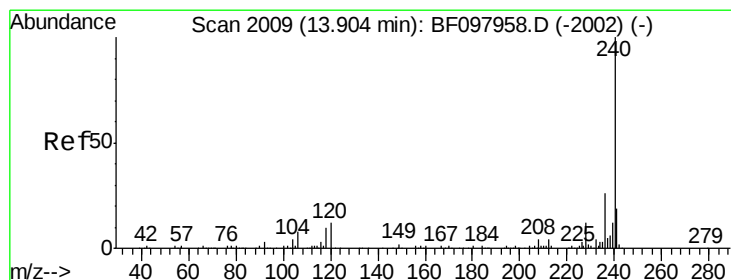
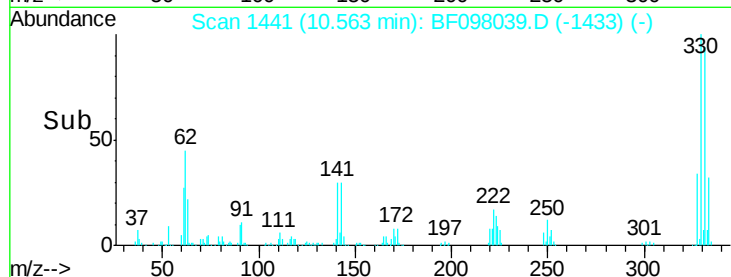
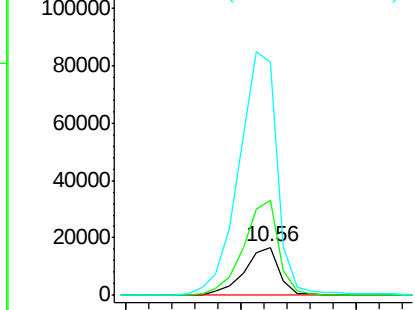
#66
 4-Bromophenyl-phenylether
 Concen: 4.15 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.25 min
 Lab File: BF098039.D
 Acq: 25 Aug 2017 19:22

Instrument :
 BNA_F
 ClientSampled :
 PB101833BL

Tot Ion:248 Resp: 17693
 Ion Ratio Lower Upper
 248 100
 250 198.5 76.8 115.2#
 141 487.5 68.6 103.0#

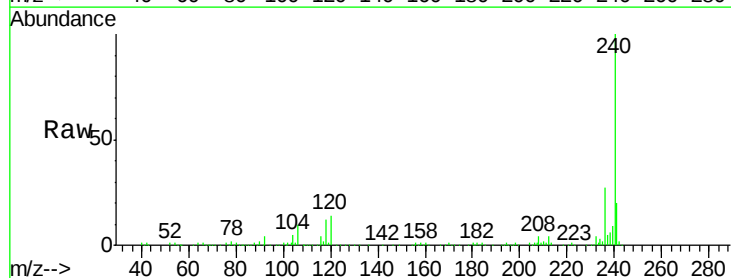


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

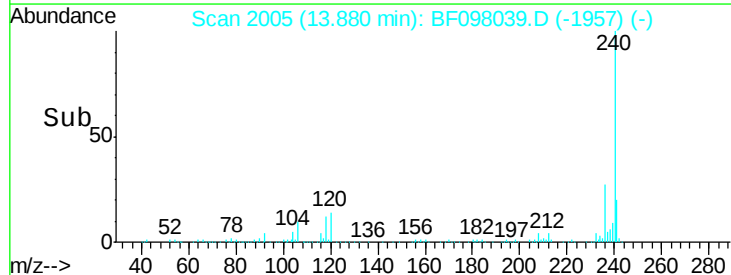
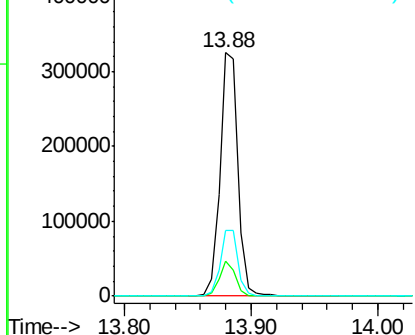


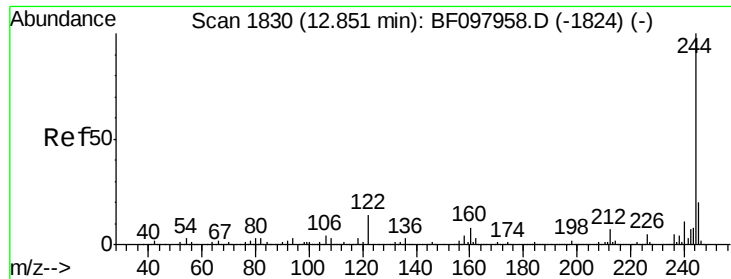
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF098039.D
 Acq: 25 Aug 2017 19:22

Tgt Ion:240 Resp: 322042
 Ion Ratio Lower Upper
 240 100
 120 14.3 5.8 8.8#
 236 26.8 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

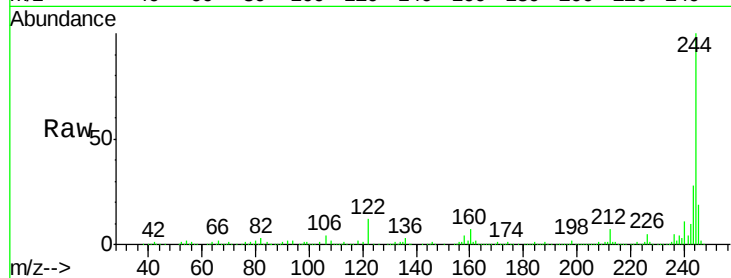




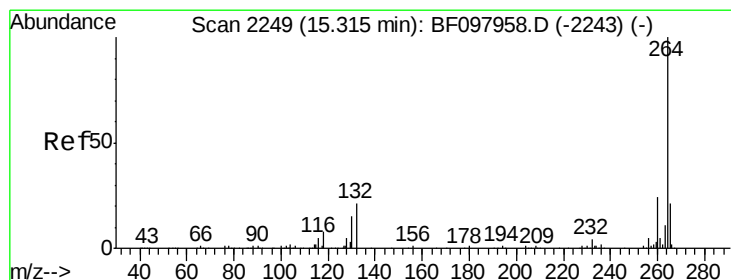
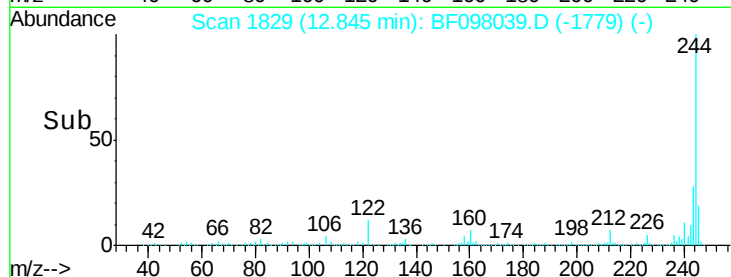
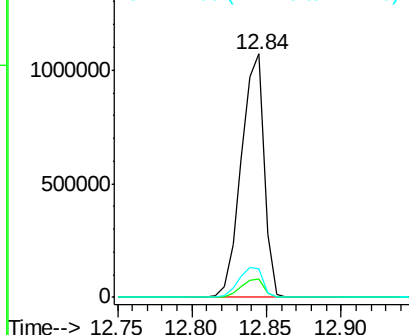
#78
 Terphenyl-d14
 Concen: 73.97 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF098039.D
 Acq: 25 Aug 2017 19:22

Instrument :
 BNA_F
 ClientSampleId :
 PB101833BL

Tot Ion:244 Resp: 1142401
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 11.7 10.3 15.5

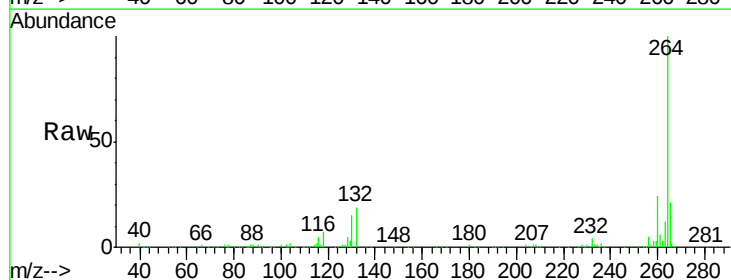


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BF098039.D
 Acq: 25 Aug 2017 19:22

Tgt Ion:264 Resp: 229473
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 21.3 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

