

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099542.D
 Acq On : 16 Oct 2017 14:12
 Operator : SJ/JU
 Sample : I5875-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 23:25:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

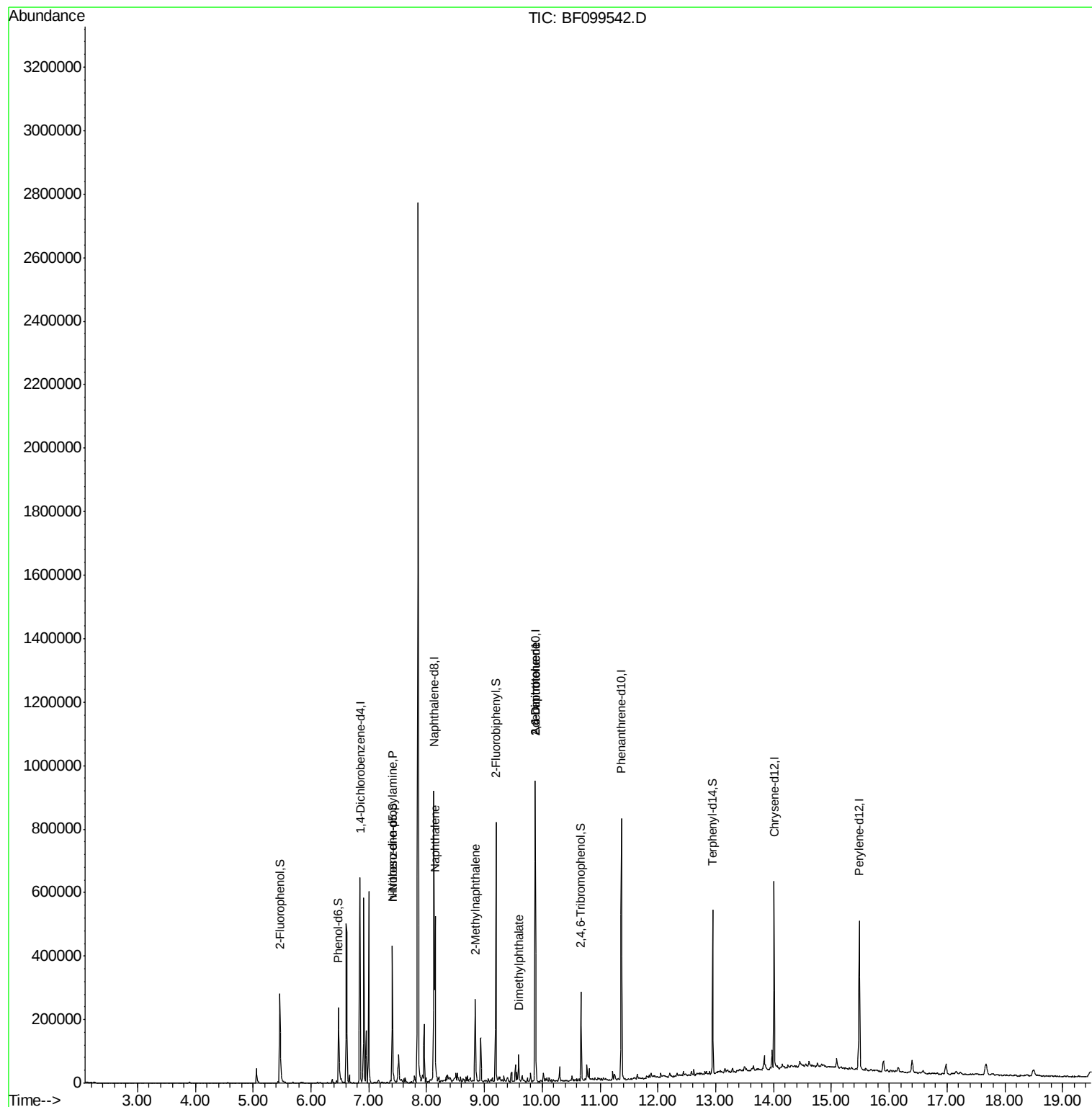
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	105134	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	431838	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	175370	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	264264	20.00	ng	0.00
75) Chrysene-d12	14.01	240	186645	20.00	ng	0.00
86) Perylene-d12	15.49	264	204143	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	106437	16.12	ng	0.00
7) Phenol-d6	6.47	99	97114	11.92	ng	-0.01
23) Nitrobenzene-d5	7.40	82	136798	20.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	28235	19.68	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	246070	23.42	ng	-0.01
78) Terphenyl-d14	12.95	244	153554	18.71	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	17325	3.33	ng	Qvalue # 74
31) Naphthalene	8.15	128	94345	4.65	ng	99
37) 2-Methylnaphthalene	8.84	142	68581	5.20	ng	98
49) Dimethylphthalate	9.59	163	26914	2.03	ng	100
50) 2,6-Dinitrotoluene	9.88	165	22964	7.97	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	22964	6.14	ng	# 22

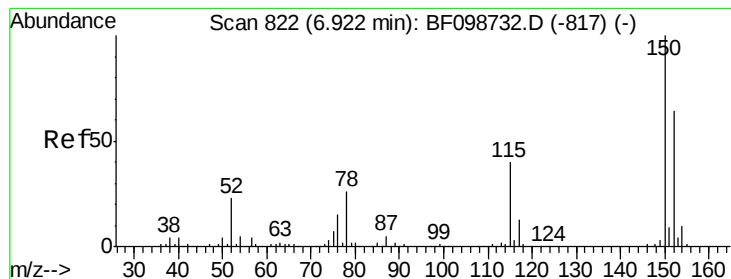
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF099542.D

Acq: 16 Oct 2017 14:12

Instrument :

BNA_F

ClientSampled :

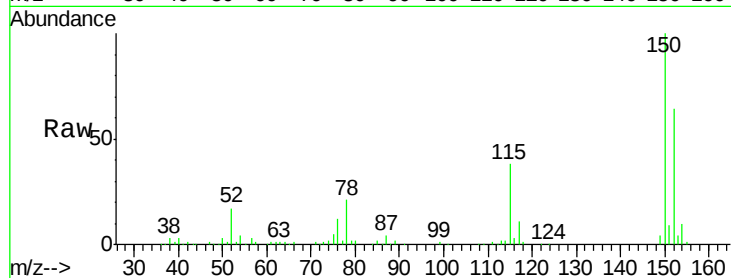
Tot Ion:152 Resp: 105134

Ion Ratio Lower Upper

152 100

150 155.8 124.6 186.8

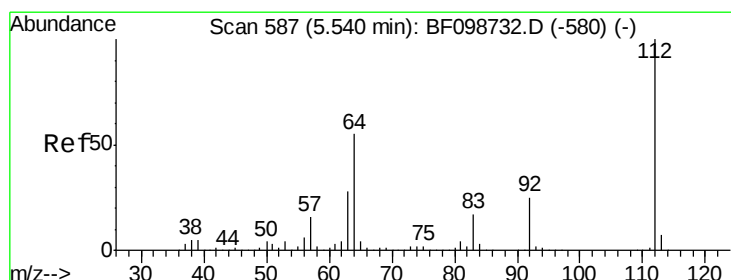
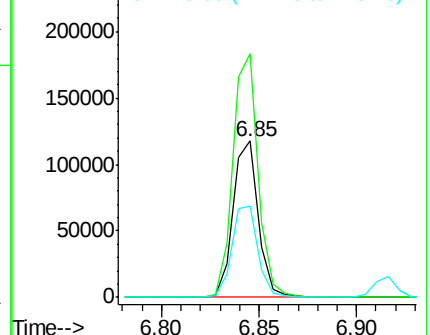
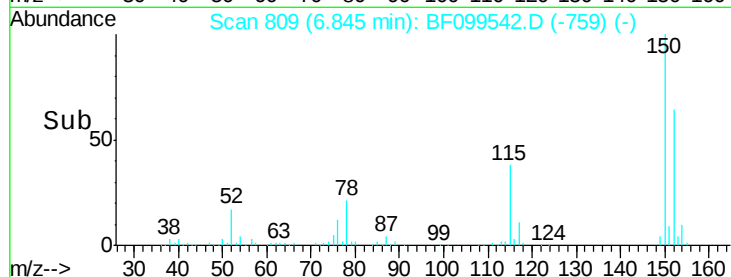
115 58.5 50.1 75.1



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: 16.12 ng

RT: 5.46 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF099542.D

Acq: 16 Oct 2017 14:12

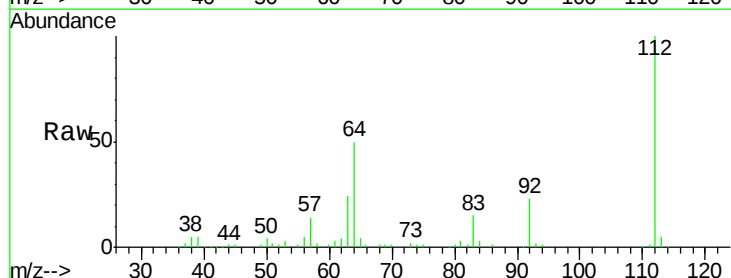
Tgt Ion:112 Resp: 106437

Ion Ratio Lower Upper

112 100

64 50.2 47.9 71.9

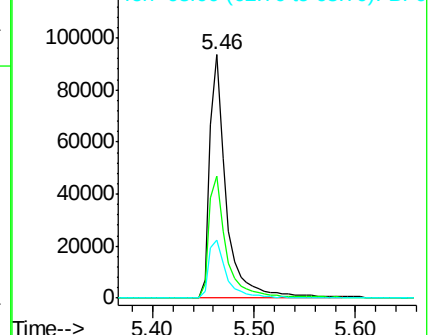
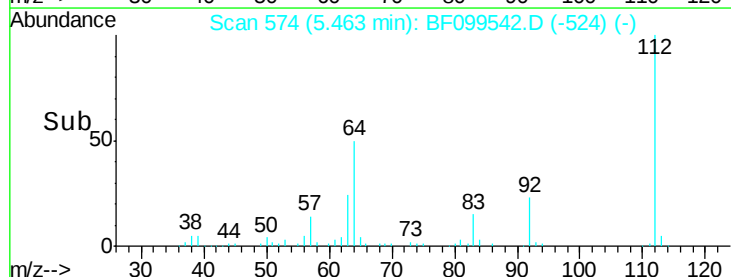
63 23.9 23.7 35.5



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: 11.92 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099542.D

Acq: 16 Oct 2017 14:12

Instrument :

BNA_F

ClientSampleId :

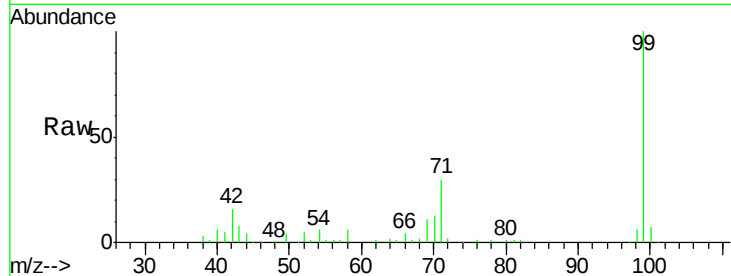
Tot Ion: 99 Resp: 97114

Ion Ratio Lower Upper

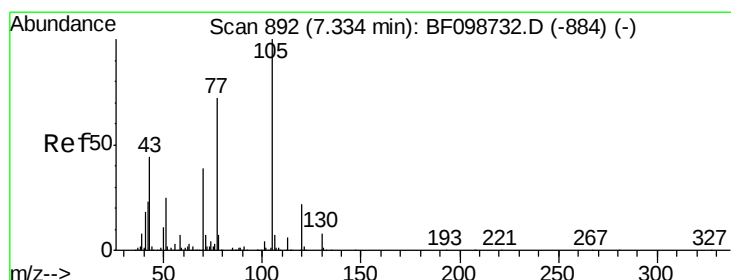
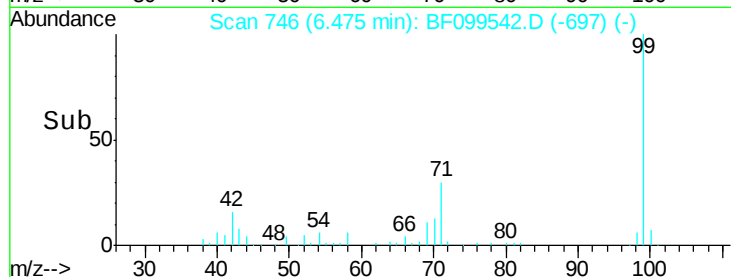
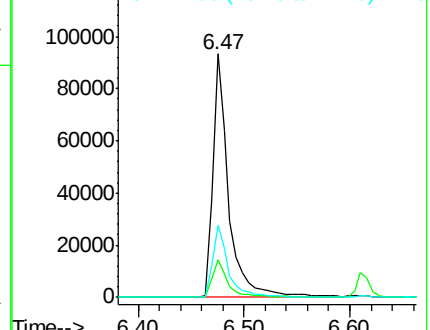
99 100

42 15.5 14.5 21.7

71 29.6 25.4 38.0



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: 3.33 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF099542.D

Acq: 16 Oct 2017 14:12

Tgt Ion: 70 Resp: 17325

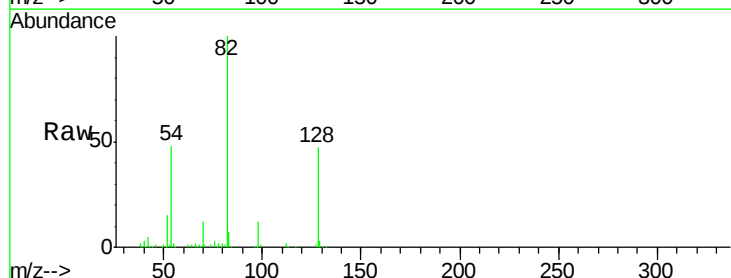
Ion Ratio Lower Upper

70 100

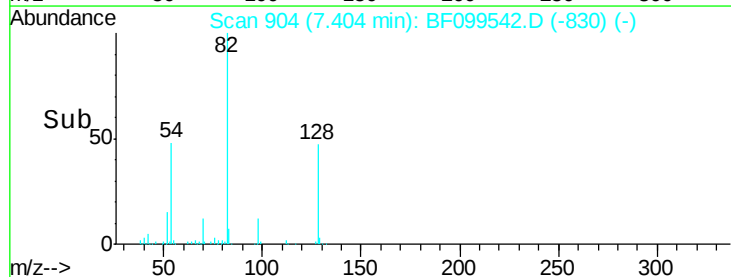
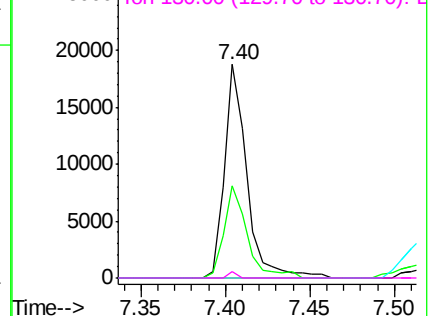
42 43.5 47.5 71.3#

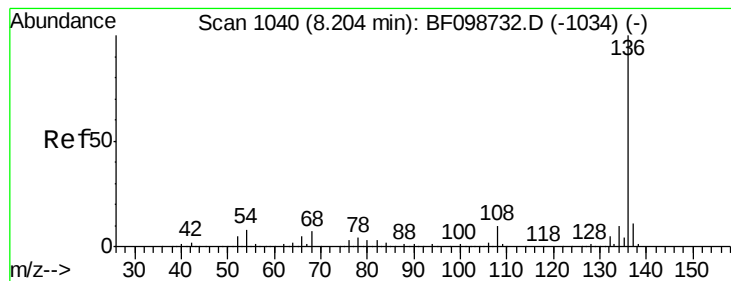
101 0.0 7.4 11.2#

130 3.1 16.6 25.0#



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF099542.D

Acq: 16 Oct 2017 14:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 431838

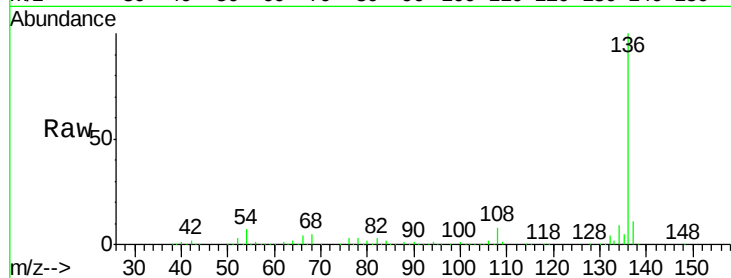
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.6 6.6 9.8

68 5.5 5.0 7.4

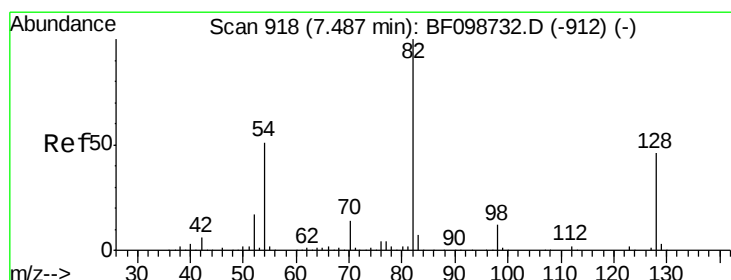
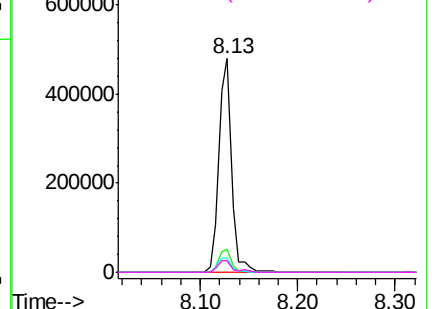
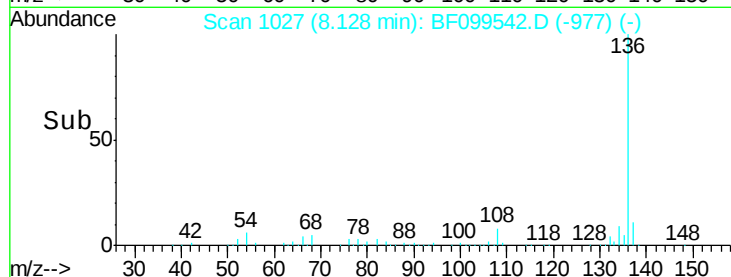


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.32 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF099542.D

Acq: 16 Oct 2017 14:12

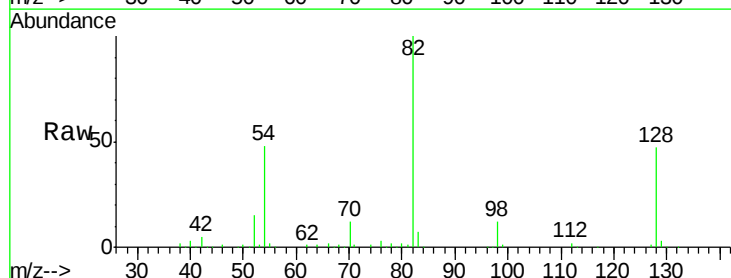
Tgt Ion: 82 Resp: 136798

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

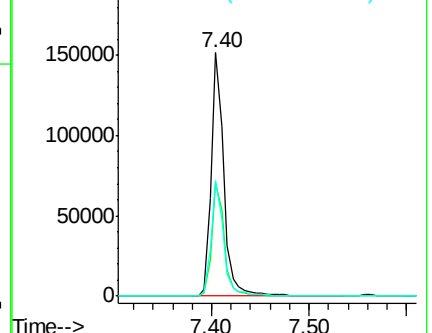
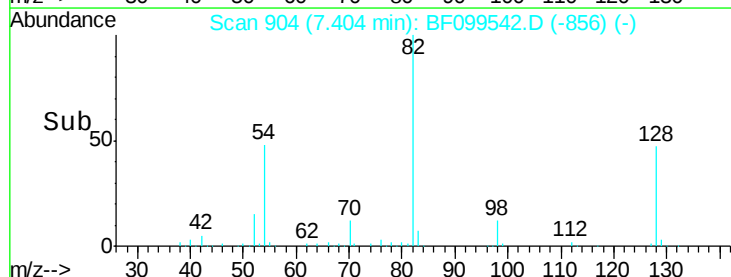
54 47.6 41.4 62.2

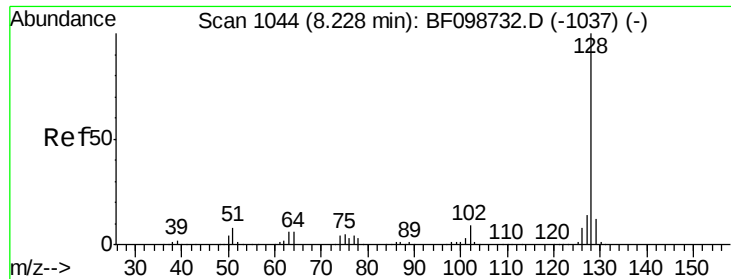


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

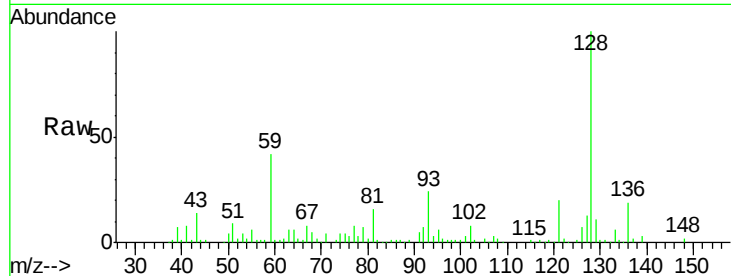




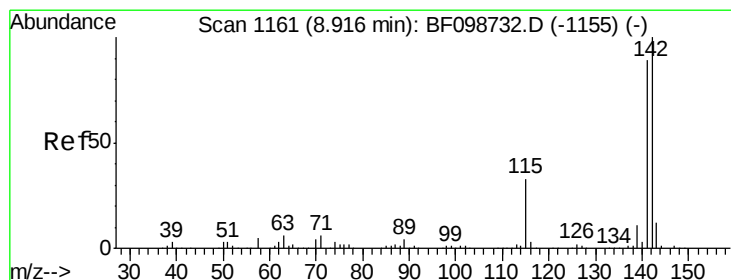
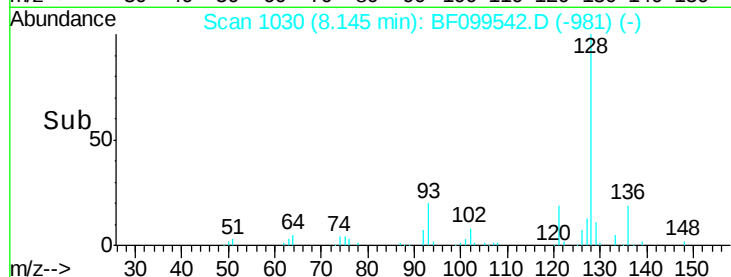
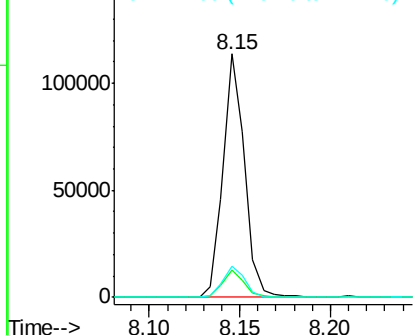
#31
Naphthalene
Concen: 4.65 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099542.D
Acq: 16 Oct 2017 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 94345
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.8 10.9 16.3

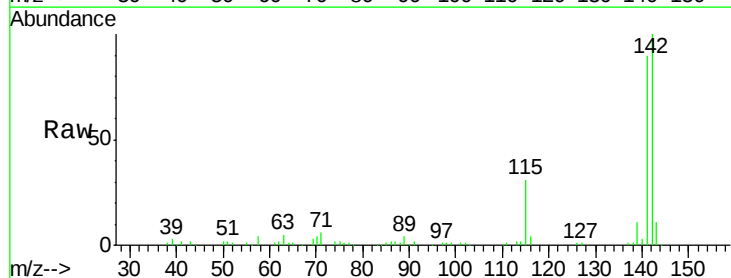


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

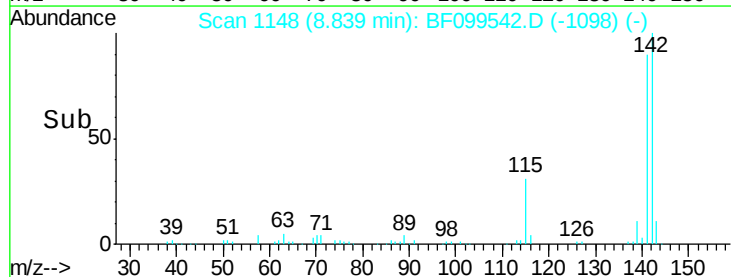
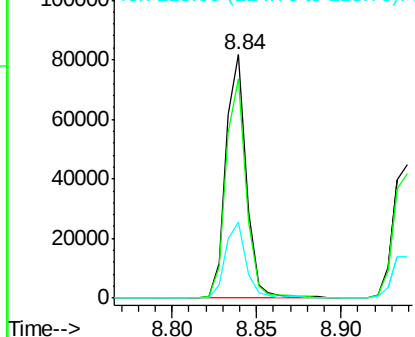


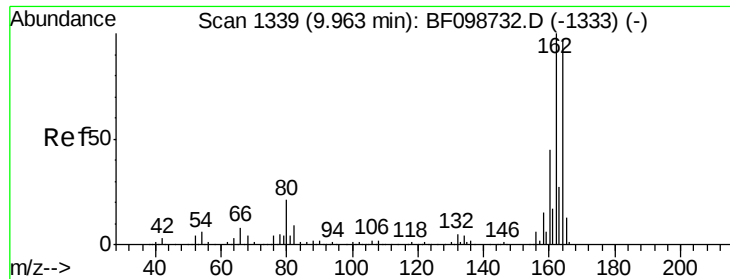
#37
2-Methylnaphthalene
Concen: 5.20 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF099542.D
Acq: 16 Oct 2017 14:12

Tgt Ion:142 Resp: 68581
Ion Ratio Lower Upper
142 100
141 90.1 70.8 106.2
115 31.1 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

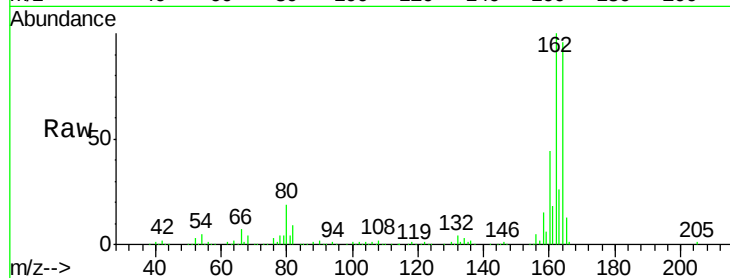




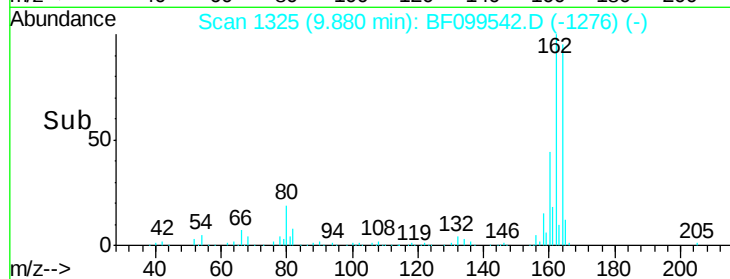
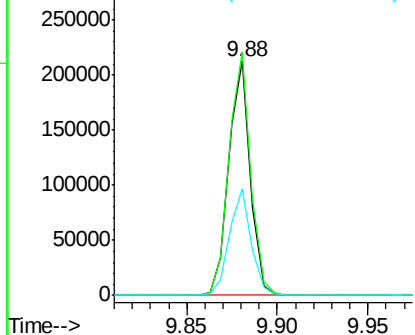
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF099542.D
 Acq: 16 Oct 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 175370
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 45.6 38.3 57.5

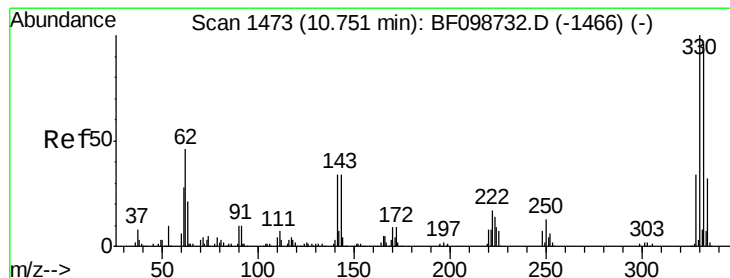


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

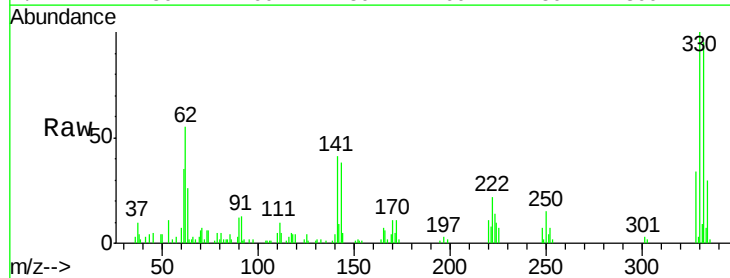
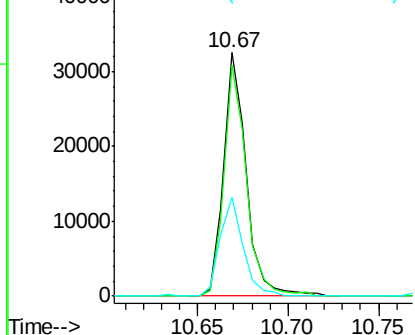


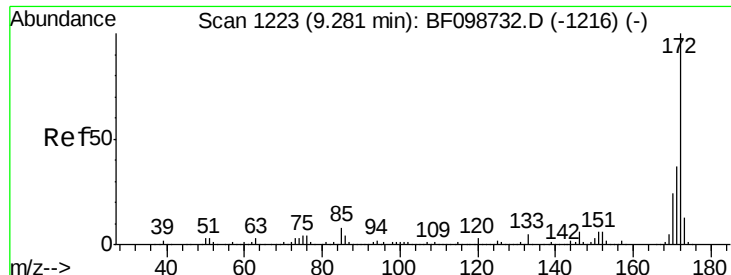
#41
 2,4,6-Tribromophenol
 Concen: 19.68 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF099542.D
 Acq: 16 Oct 2017 14:12

Tgt Ion:330 Resp: 28235
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 41.4 29.9 44.9



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

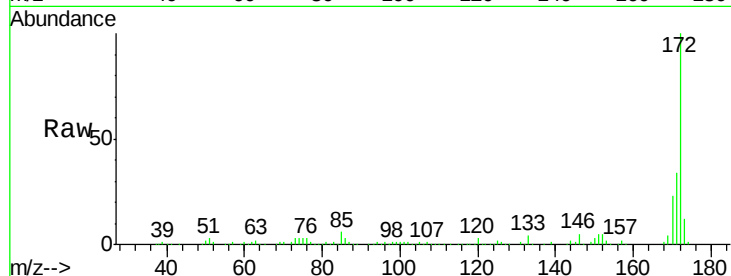




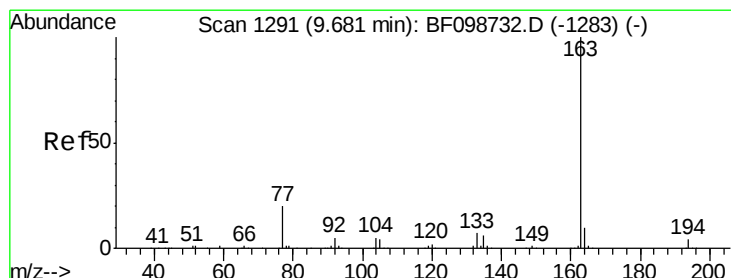
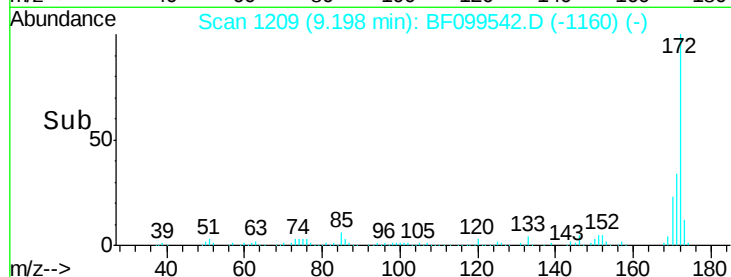
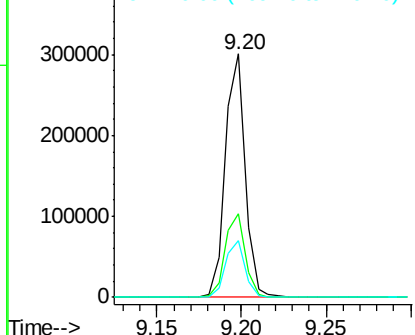
#44
2-Fluorobiphenyl
Concen: 23.42 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF099542.D
Acq: 16 Oct 2017 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 246070
Ion Ratio Lower Upper
172 100
171 34.4 29.7 44.5
170 23.4 19.6 29.4

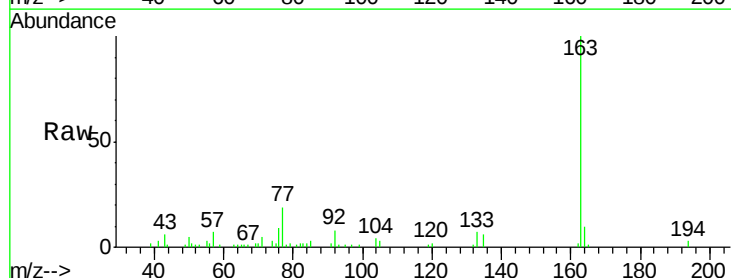


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

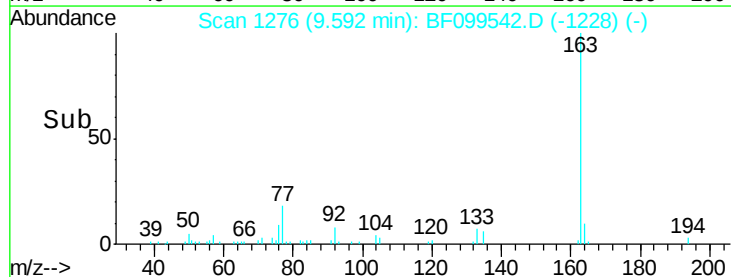
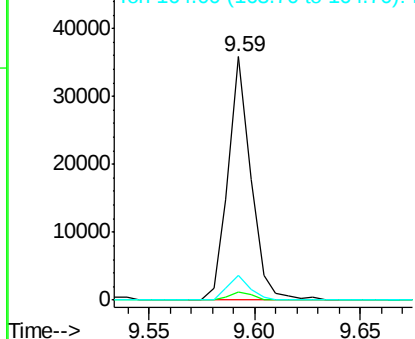


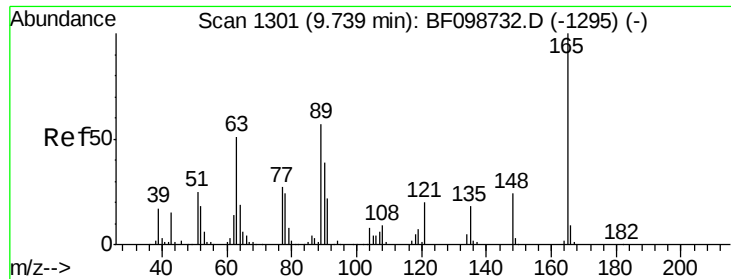
#49
Dimethylphthalate
Concen: 2.03 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF099542.D
Acq: 16 Oct 2017 14:12

Tgt Ion:163 Resp: 26914
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.1 8.2 12.2



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

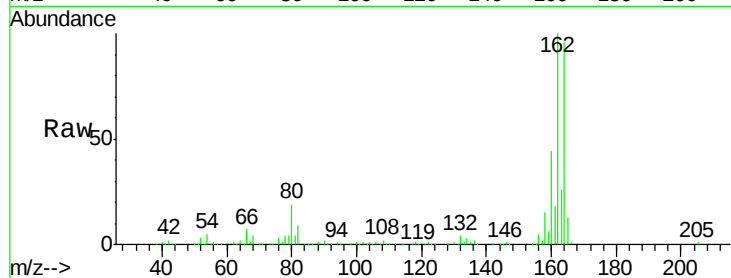




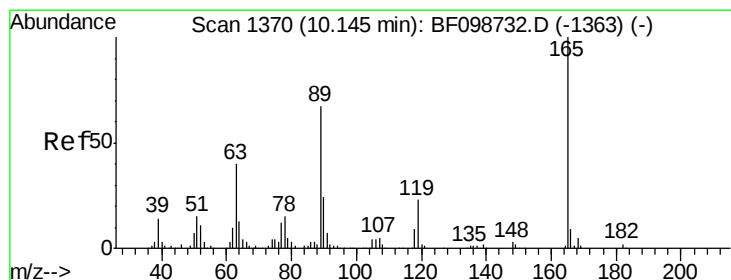
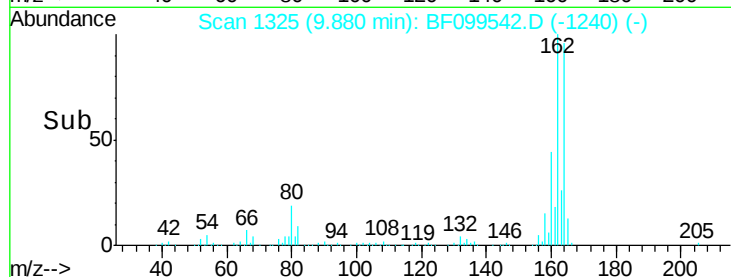
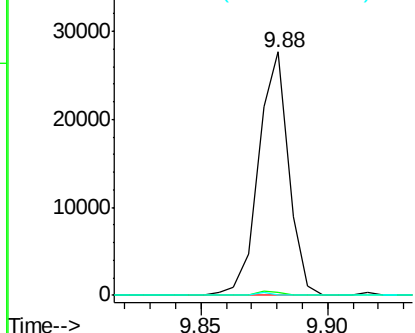
#50
 2,6-Dinitrotoluene
 Concen: 7.97 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.20 min
 Lab File: BF099542.D
 Acq: 16 Oct 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 22964
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 0.0 44.0 66.0#

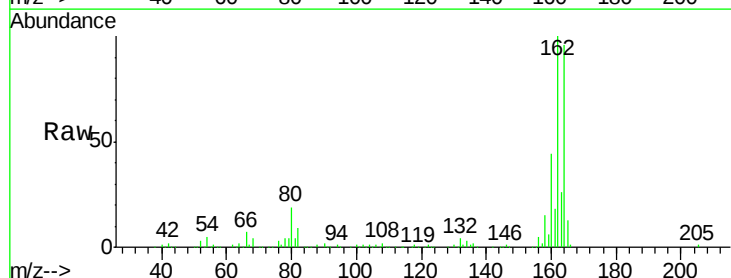


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

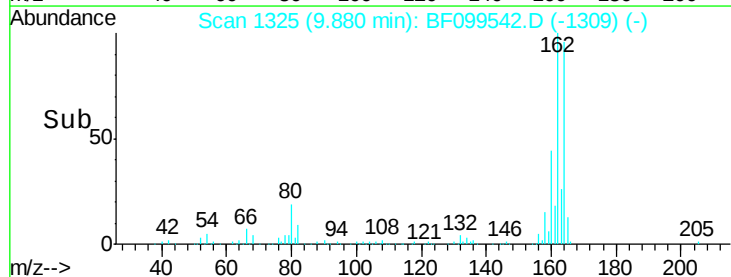
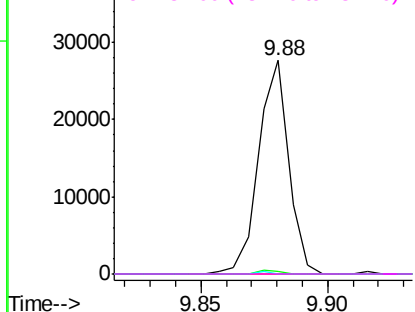


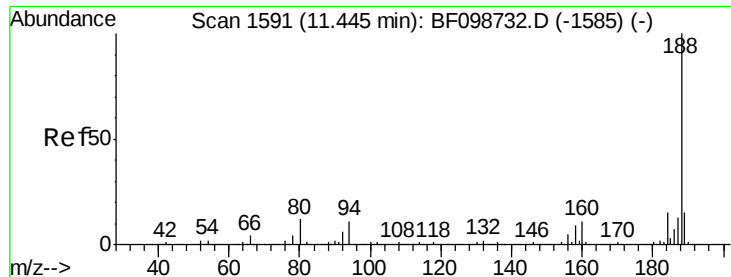
#56
 2,4-Dinitrotoluene
 Concen: 6.14 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.21 min
 Lab File: BF099542.D
 Acq: 16 Oct 2017 14:12

Tgt Ion:165 Resp: 22964
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#



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

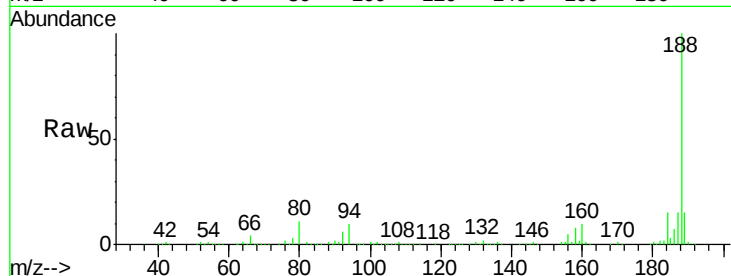




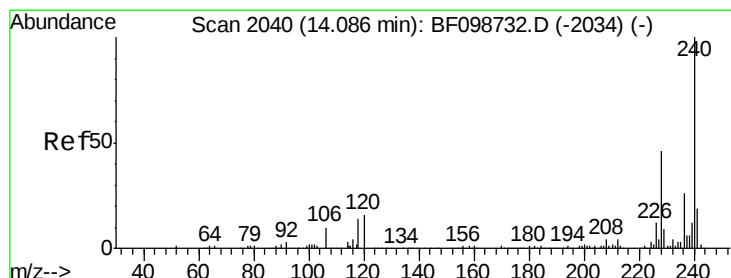
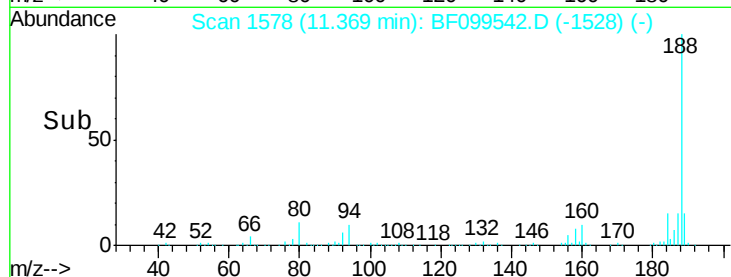
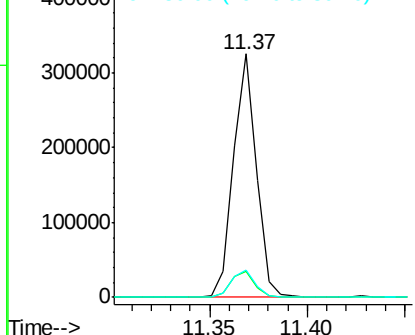
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF099542.D
Acq: 16 Oct 2017 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 264264
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.0 9.2 13.8

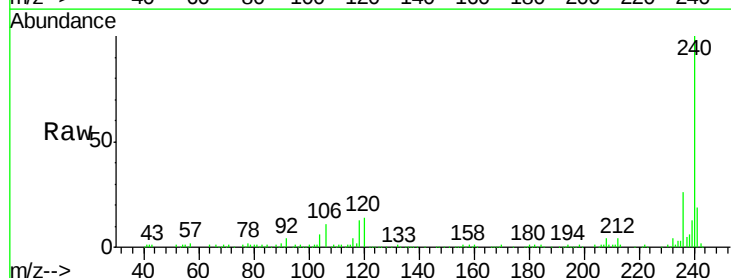


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

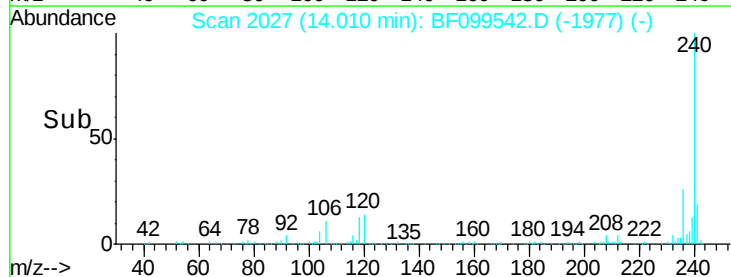
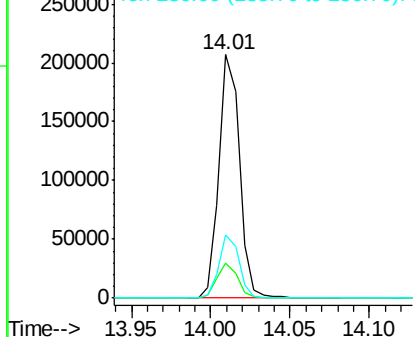


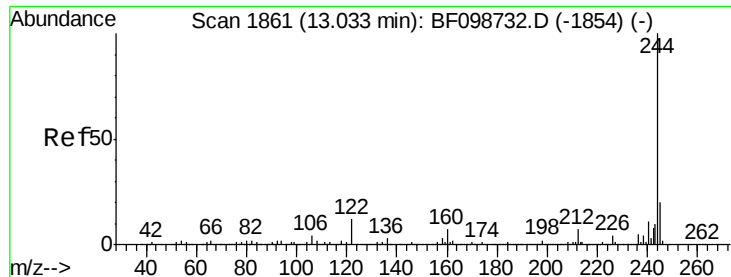
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099542.D
Acq: 16 Oct 2017 14:12

Tgt Ion:240 Resp: 186645
Ion Ratio Lower Upper
240 100
120 14.5 9.5 14.3#
236 25.8 20.7 31.1



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

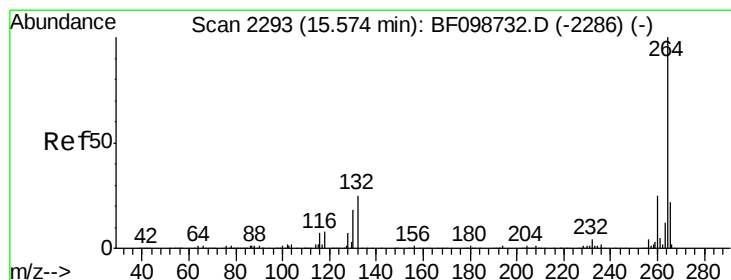
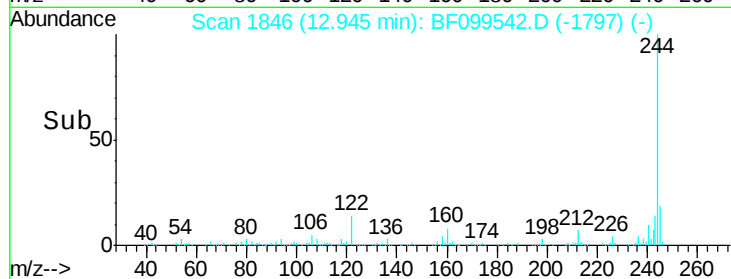
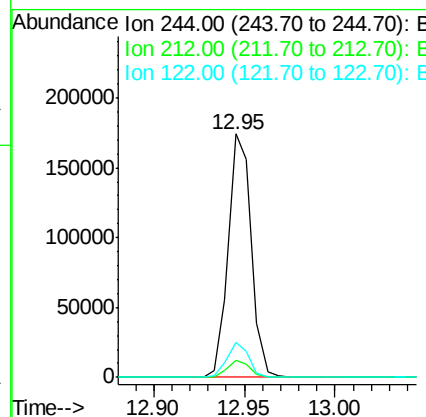
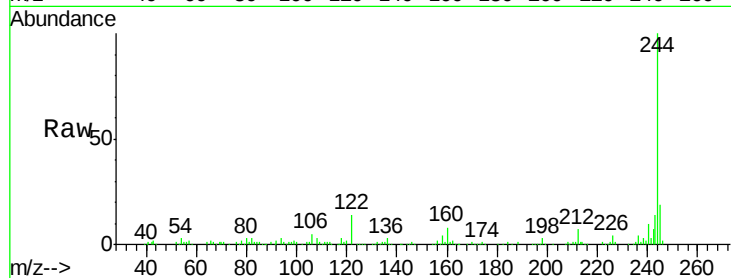




#78
 Terphenyl-d14
 Concen: 18.71 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF099542.D
 Acq: 16 Oct 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 153554
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 14.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099542.D
 Acq: 16 Oct 2017 14:12

Tgt Ion:264 Resp: 204143
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.0 17.5 26.3

