

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031723.D
 Acq On : 22 Dec 2017 22:33
 Operator : SJ/JU
 Sample : I7004-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-04-121817

Quant Time: Dec 23 01:13:06 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	53339	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	224802	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	155049	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	393918	20.00	ng	-0.02
75) Chrysene-d12	22.55	240	452954	20.00	ng	-0.02
86) Perylene-d12	26.33	264	478633	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.24	112	182126	62.19	ng	-0.01
7) Phenol-d6	7.92	99	142788	37.55	ng	-0.01
23) Nitrobenzene-d5	10.02	82	302389	101.57	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	386640	163.43	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	1137065	92.05	ng	-0.01
78) Terphenyl-d14	20.73	244	1959200	98.82	ng	-0.01

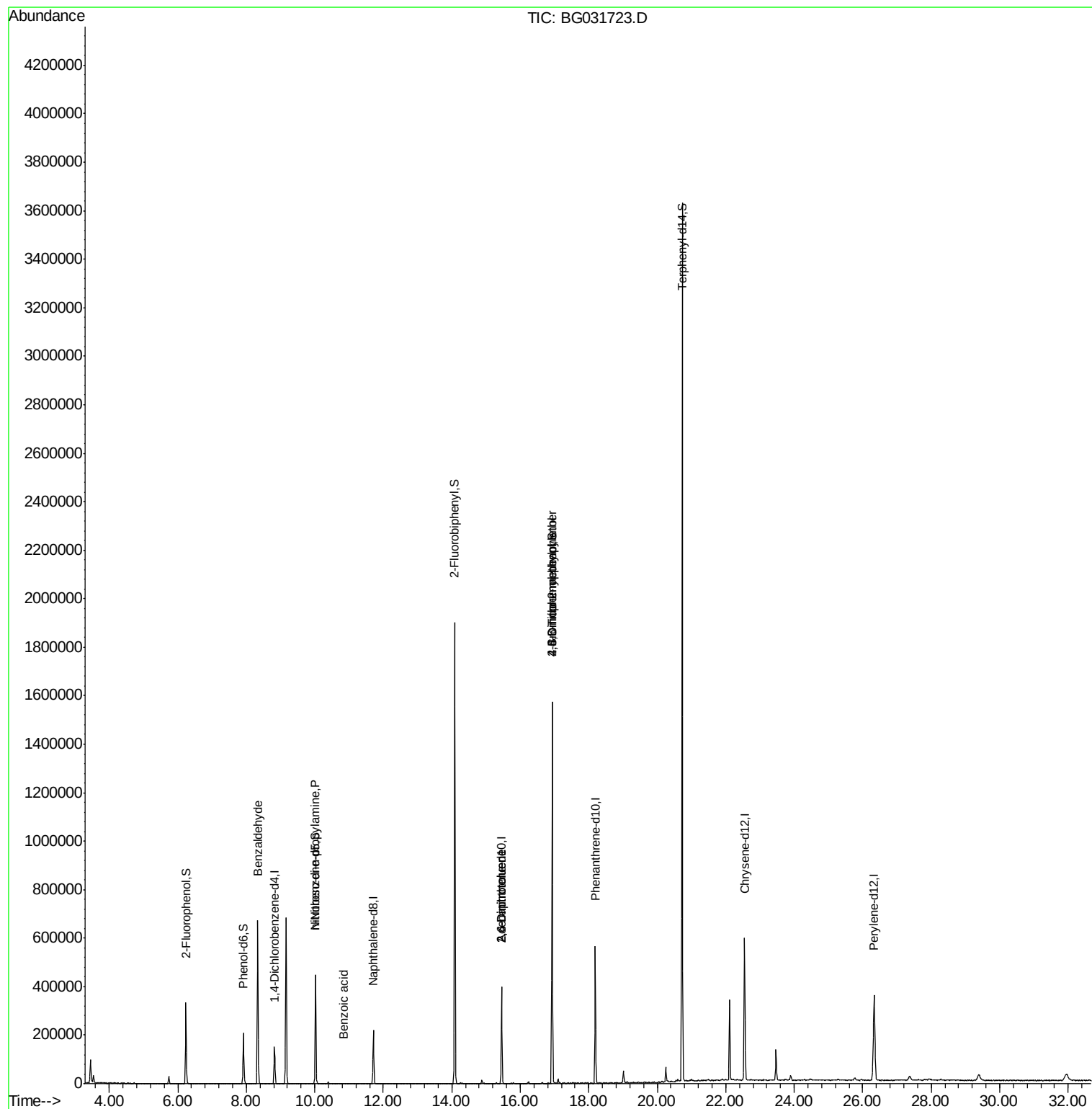
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	8.34	77	8544	3.732	ng	95
19) n-Nitroso-di-n-propylamine	10.03	70	40601	15.636	ng	# 68
32) Benzoic acid	10.84	122	78	6.724	ng	# 25
50) 2,6-Dinitrotoluene	15.46	165	19664	7.826	ng	# 21
56) 2,4-Dinitrotoluene	15.46	165	19664	6.086	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.93	198	814	8.657	ng	# 11
66) 4-Bromophenyl-phenylether	16.93	248	30586	5.369	ng	# 1

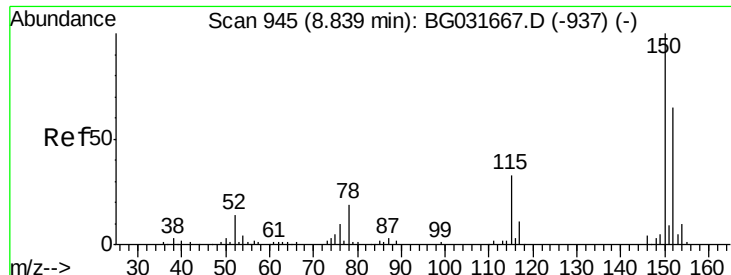
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.82 min Scan# 942

Delta R.T. -0.02 min

Lab File: BG031723.D

Acq: 22 Dec 2017 22:33

Instrument :

BNA_G

ClientSampleId :

PR-MW-04-121817

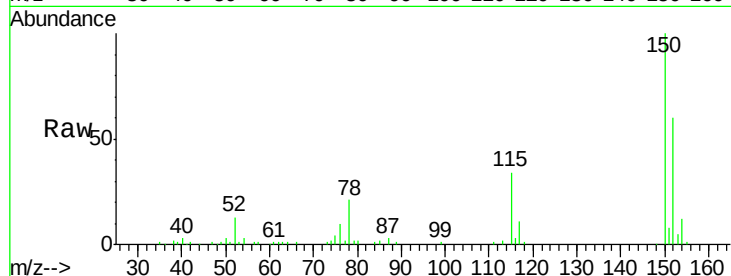
Tot Ion:152 Resp: 53339

Ion Ratio Lower Upper

152 100

150 165.4 126.6 189.8

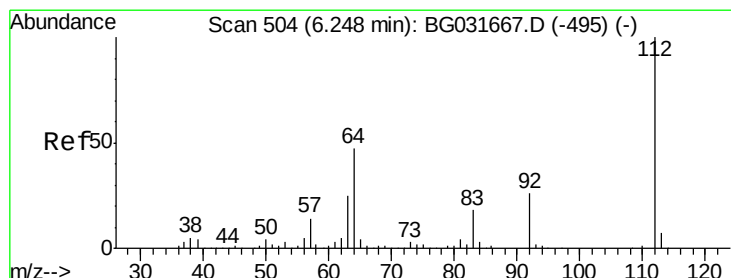
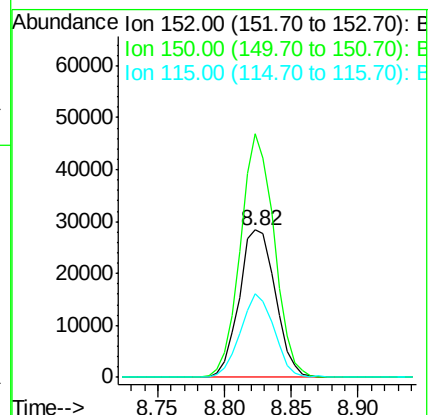
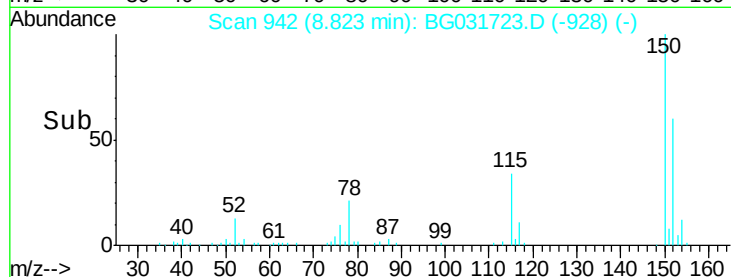
115 56.6 53.0 79.4



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: 62.191 ng

RT: 6.24 min Scan# 502

Delta R.T. -0.01 min

Lab File: BG031723.D

Acq: 22 Dec 2017 22:33

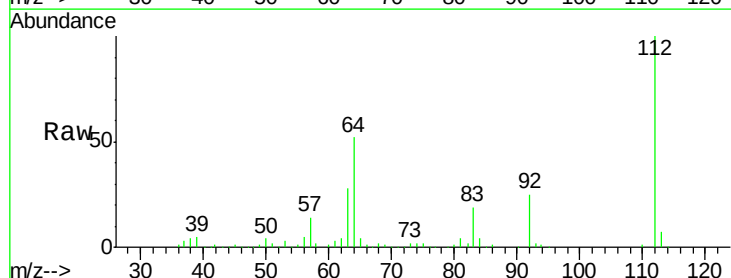
Tgt Ion:112 Resp: 182126

Ion Ratio Lower Upper

112 100

64 52.1 56.3 84.5#

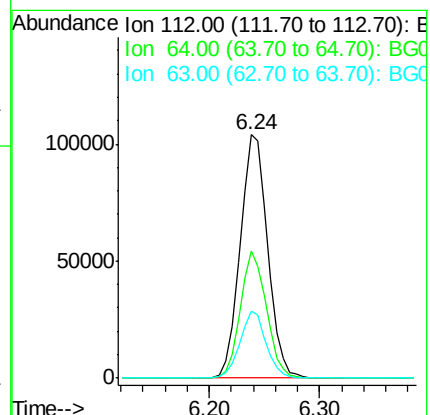
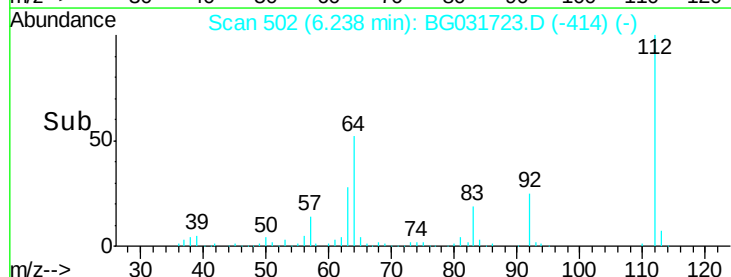
63 27.7 30.1 45.1#

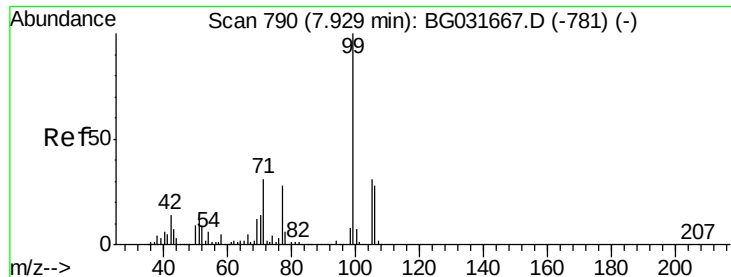


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 37.555 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031723.D

Acq: 22 Dec 2017 22:33

Instrument :

BNA_G

ClientSampleId :

PR-MW-04-121817

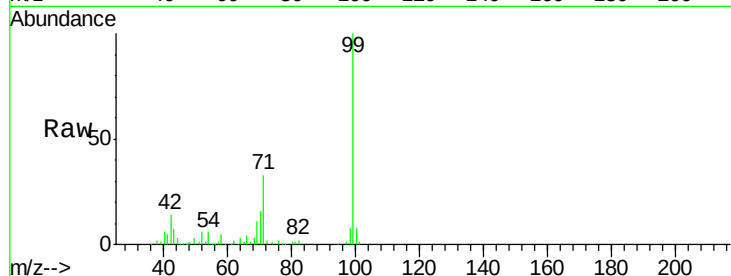
Tot Ion: 99 Resp: 142788

Ion Ratio Lower Upper

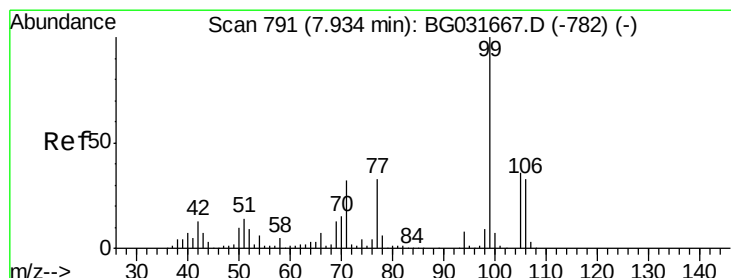
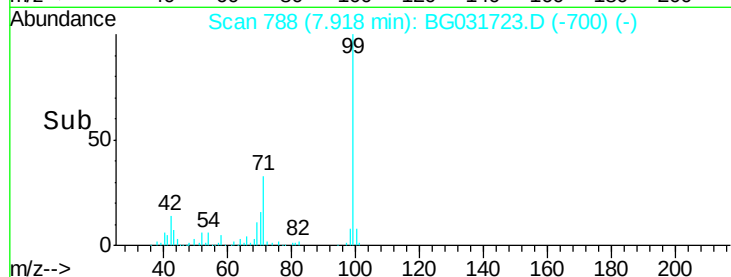
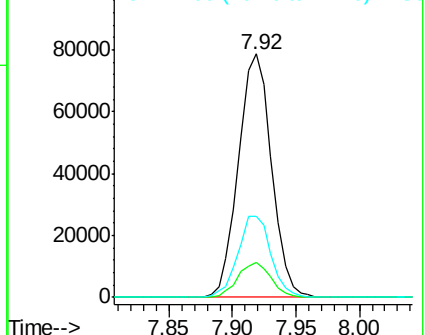
99 100

42 14.2 14.1 21.1

71 33.2 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 3.732 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031723.D

Acq: 22 Dec 2017 22:33

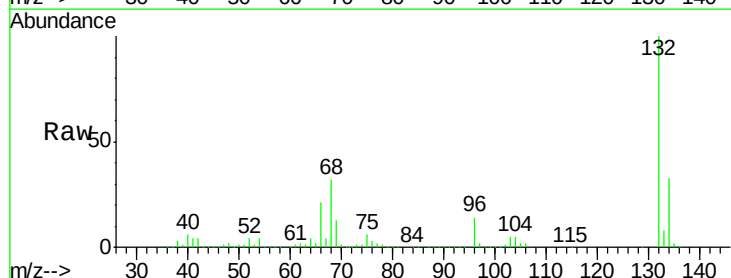
Tgt Ion: 77 Resp: 8544

Ion Ratio Lower Upper

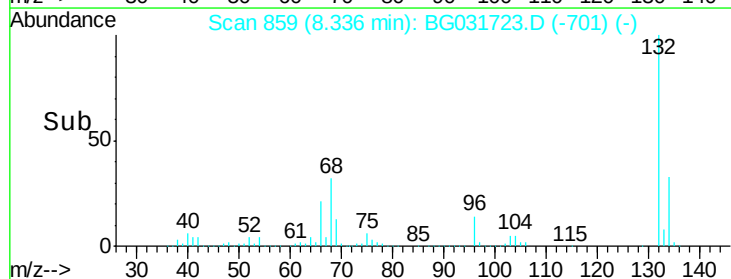
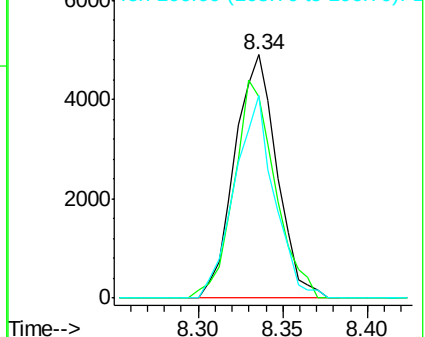
77 100

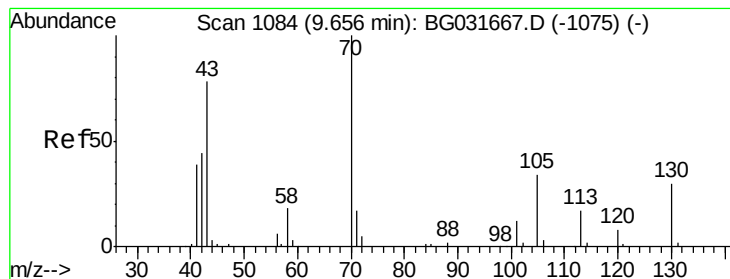
105 82.7 71.3 111.3

106 83.3 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 15.636 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031723.D

Acq: 22 Dec 2017 22:33

Instrument :

BNA_G

ClientSampleId :

PR-MW-04-121817

Tot Ion: 70 Resp: 40601

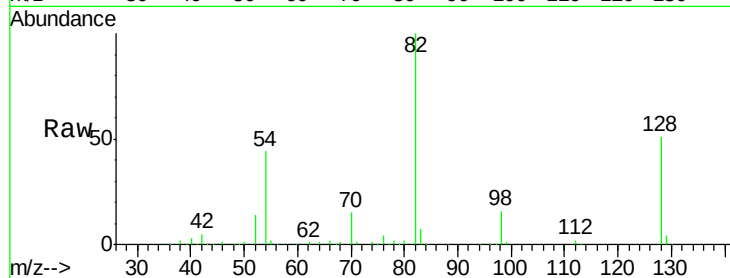
Ion Ratio Lower Upper

70 100

42 36.4 49.1 73.7#

101 0.0 8.5 12.7#

130 3.4 13.4 20.0#

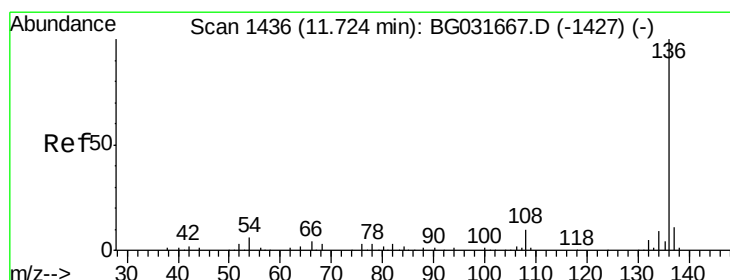
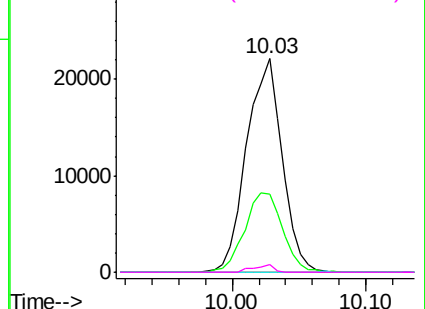
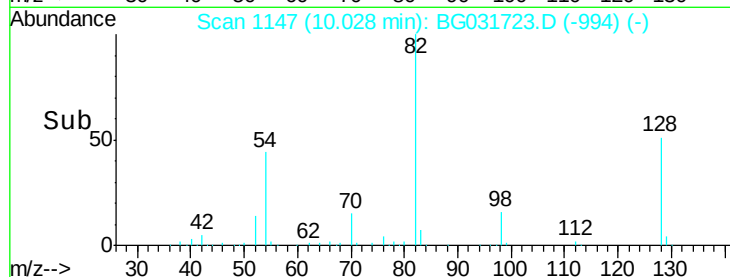


Abundance Ion 70.00 (69.70 to 70.70): BG031723.D (-994) (-)

Ion 42.00 (41.70 to 42.70): BG031723.D (-994) (-)

Ion 101.00 (100.70 to 101.70): BG031723.D (-994) (-)

Ion 130.00 (129.70 to 130.70): BG031723.D (-994) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.71 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031723.D

Acq: 22 Dec 2017 22:33

Tgt Ion: 136 Resp: 224802

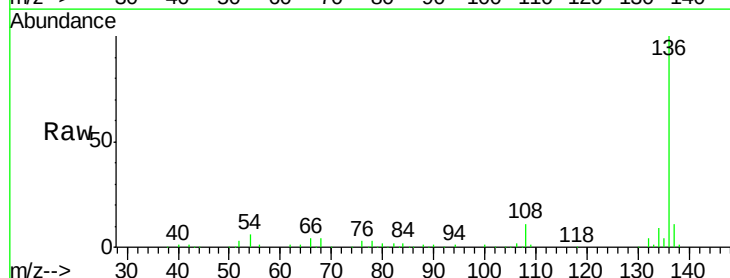
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 5.5 10.3 15.5#

68 4.1 4.5 6.7#

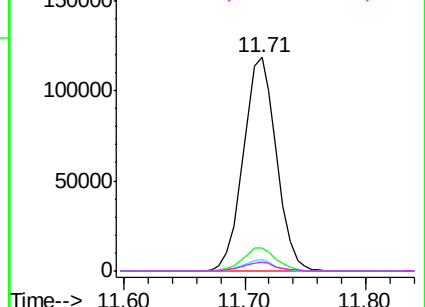
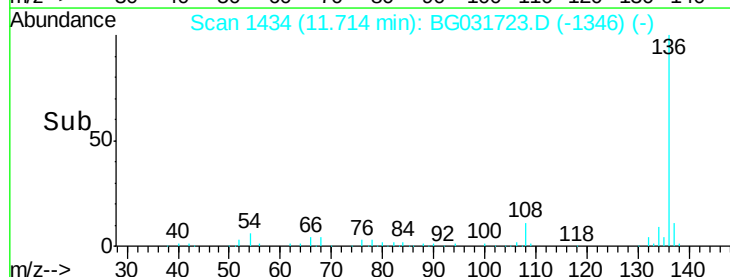


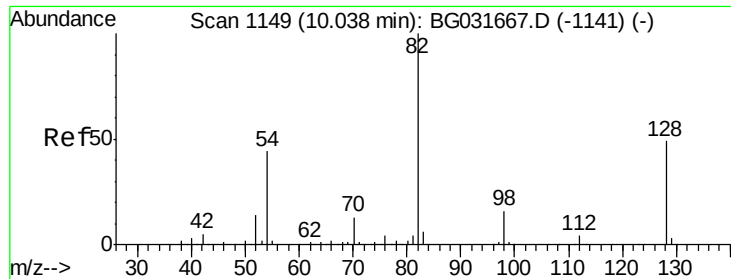
Abundance Ion 136.00 (135.70 to 136.70): BG031723.D (-1346) (-)

Ion 137.00 (136.70 to 137.70): BG031723.D (-1346) (-)

Ion 54.00 (53.70 to 54.70): BG031723.D (-1346) (-)

Ion 68.00 (67.70 to 68.70): BG031723.D (-1346) (-)

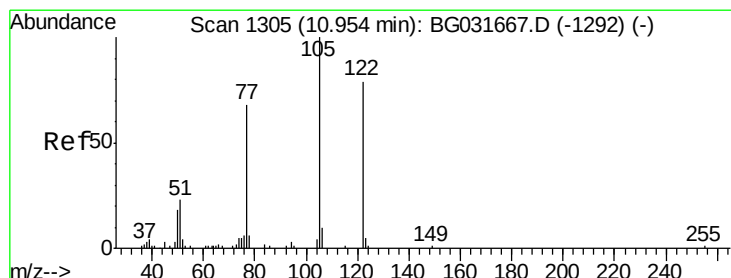
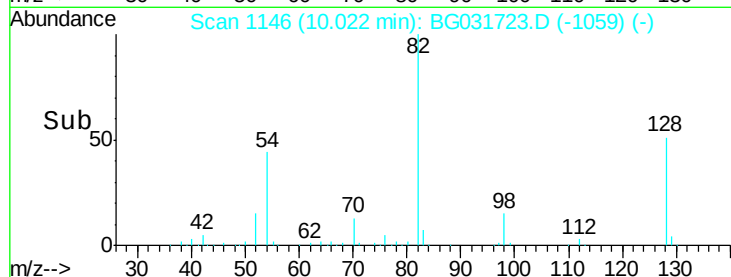
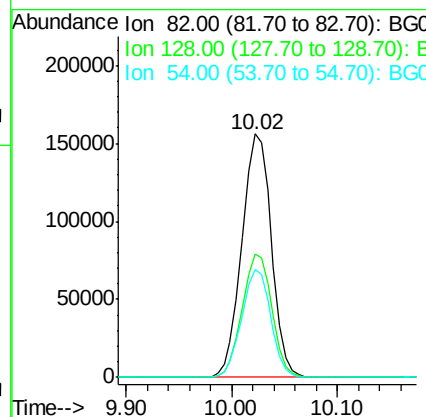
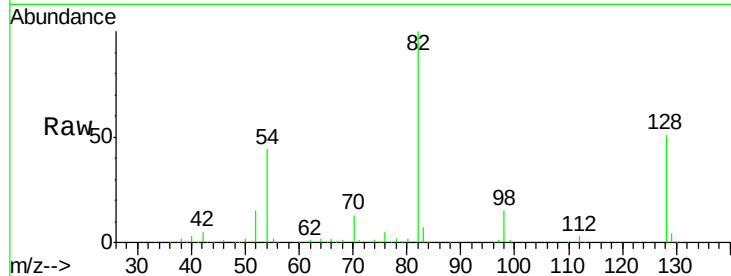




#23
 Nitrobenzene-d5
 Concen: 101.574 ng
 RT: 10.02 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BG031723.D
 Acq: 22 Dec 2017 22:33

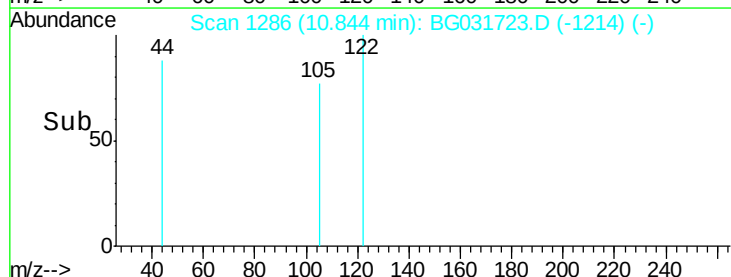
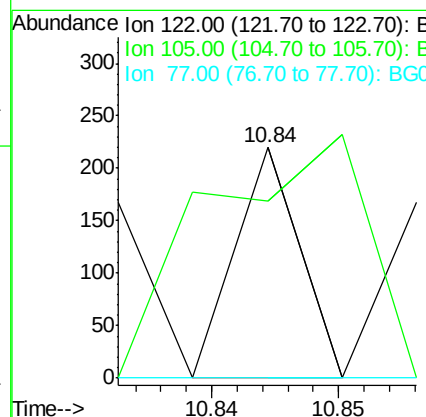
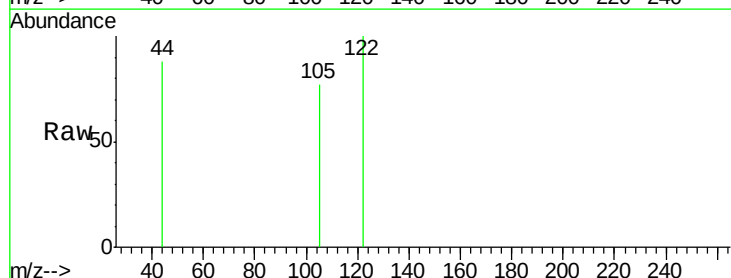
Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-04-121817

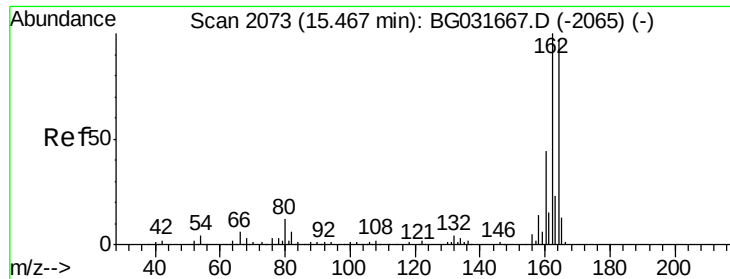
Tot Ion	82	Resp	302389
Ion Ratio	100		
Lower	29.7		
Upper	44.5#		
128	50.6		
54	44.2		
	43.1		
	64.7		



#32
 Benzoic acid
 Concen: 6.724 ng
 RT: 10.84 min Scan# 1286
 Delta R.T. -0.11 min
 Lab File: BG031723.D
 Acq: 22 Dec 2017 22:33

Tgt Ion	122	Resp	78
Ion Ratio	100		
Lower	123.5		
Upper	163.5#		
105	76.8		
77	0.0		
	85.7		
	125.7#		

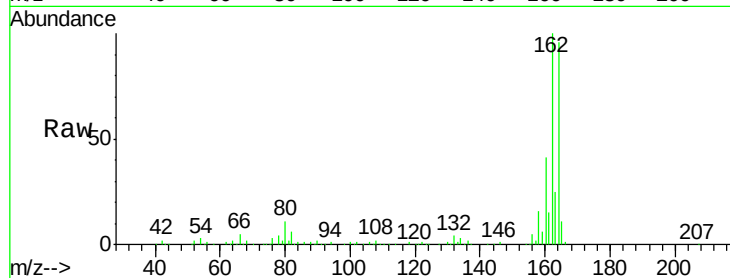




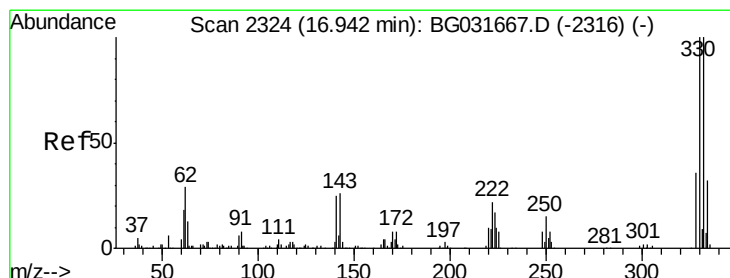
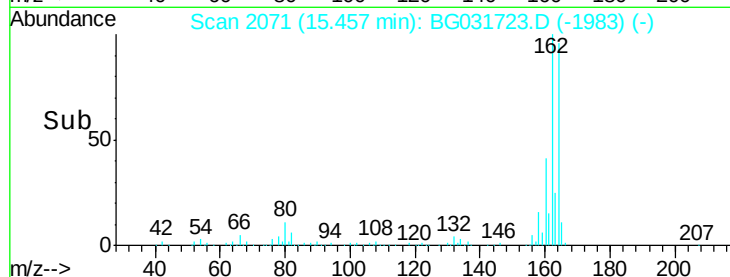
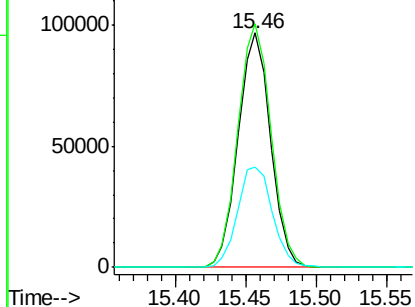
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031723.D
Acq: 22 Dec 2017 22:33

Instrument :
BNA_G
ClientSampleId :
PR-MW-04-121817

Tot Ion:164 Resp: 155049
Ion Ratio Lower Upper
164 100
162 104.0 78.8 118.2
160 43.1 35.4 53.0

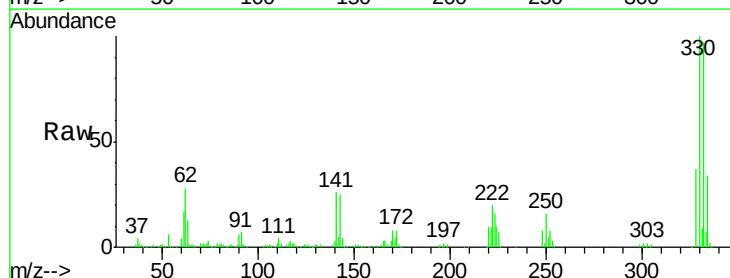


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

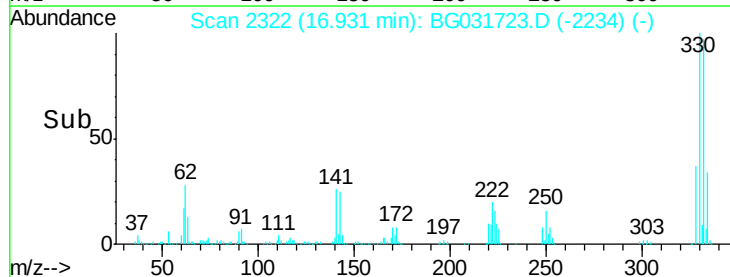
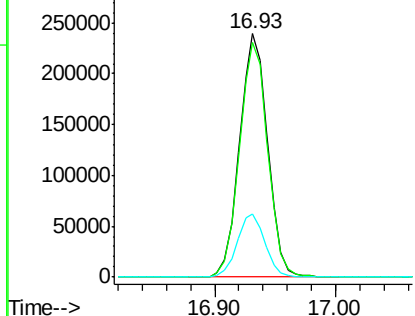


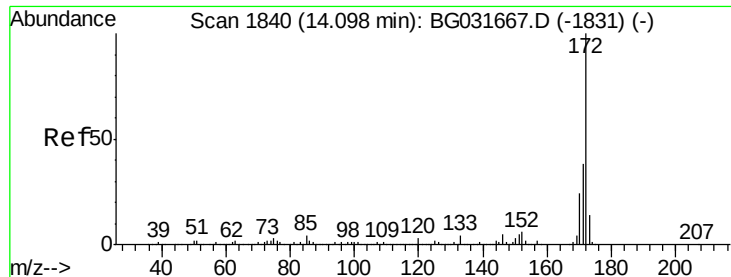
#41
2,4,6-Tribromophenol
Concen: 163.427 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.01 min
Lab File: BG031723.D
Acq: 22 Dec 2017 22:33

Tgt Ion:330 Resp: 386640
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 25.8 25.2 37.8



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



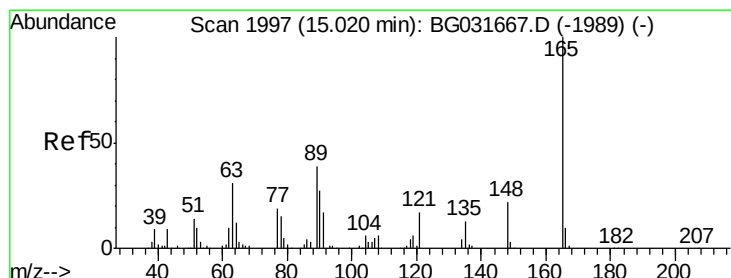
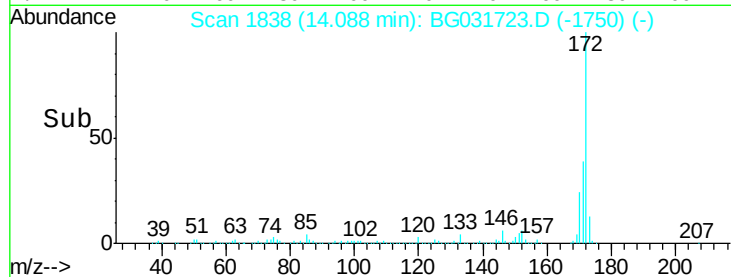
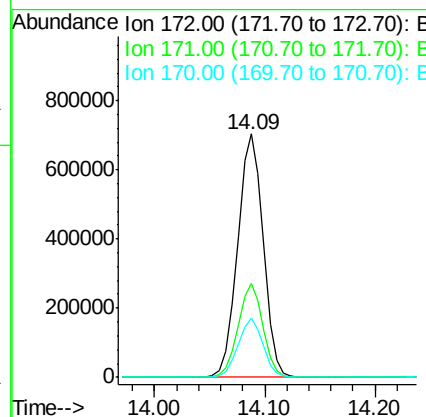
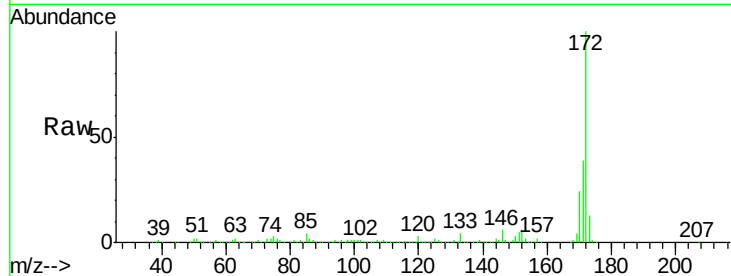


#44
 2-Fluorobiphenyl
 Concen: 92.046 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031723.D
 Acq: 22 Dec 2017 22:33

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-04-121817

Tot Ion:172 Resp: 1137065

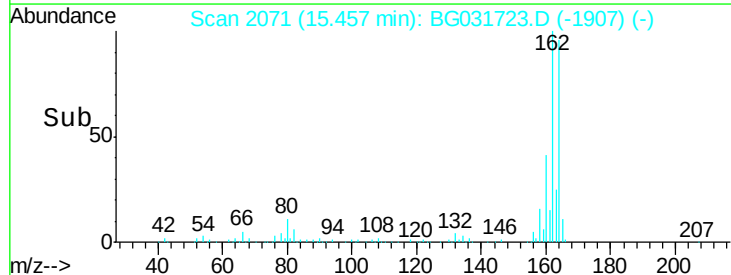
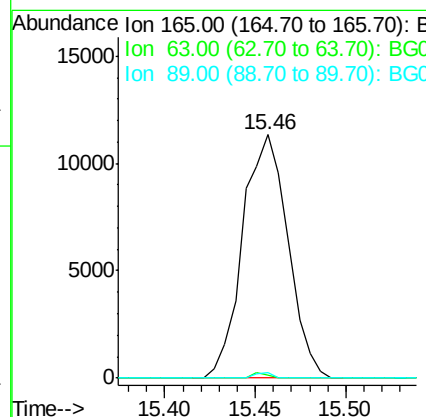
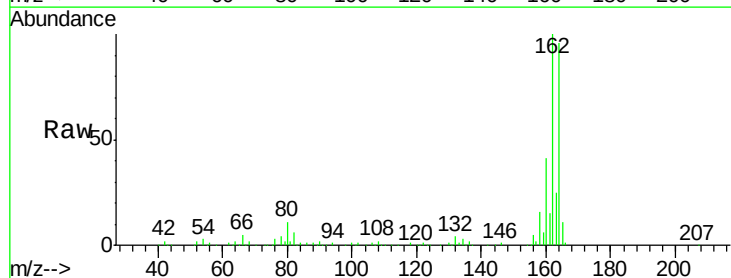
Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	24.5	19.5	29.3

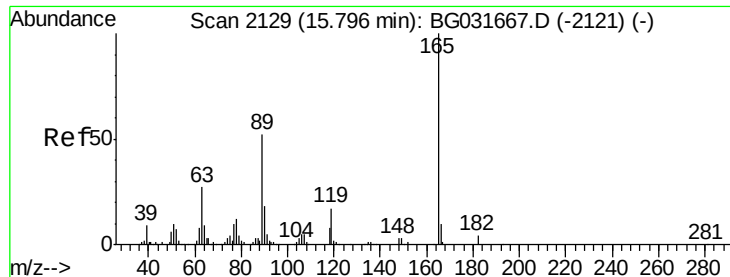


#50
 2,6-Dinitrotoluene
 Concen: 7.826 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031723.D
 Acq: 22 Dec 2017 22:33

Tgt Ion:165 Resp: 19664

Ion	Ratio	Lower	Upper
165	100		
63	1.4	52.7	79.1#
89	2.0	49.2	73.8#

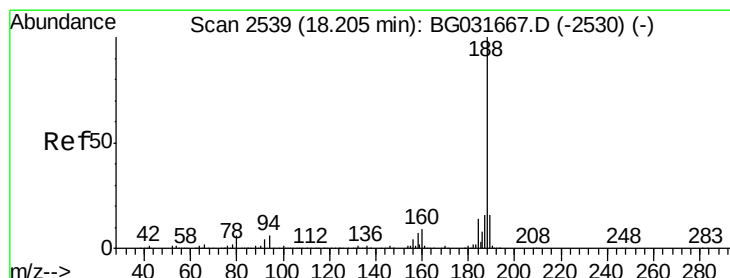
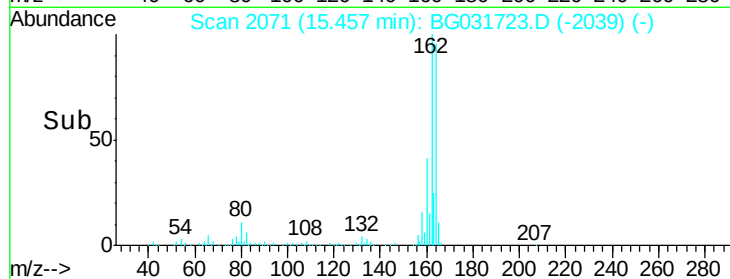
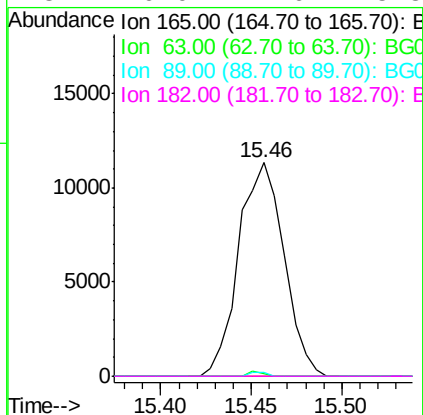
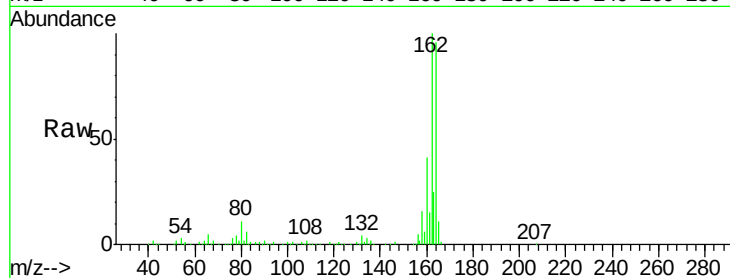




#56
 2,4-Dinitrotoluene
 Concen: 6.086 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.34 min
 Lab File: BG031723.D
 Acq: 22 Dec 2017 22:33

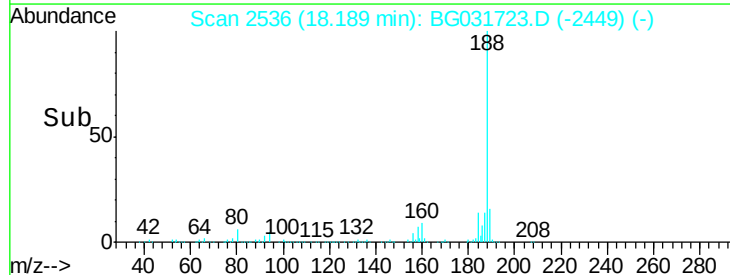
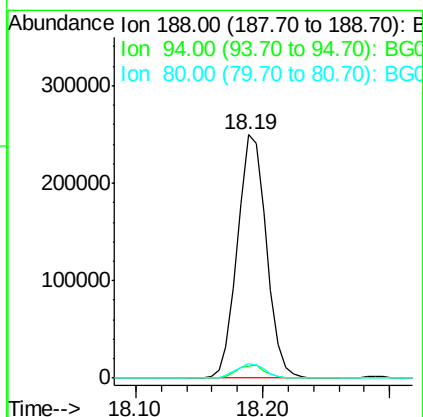
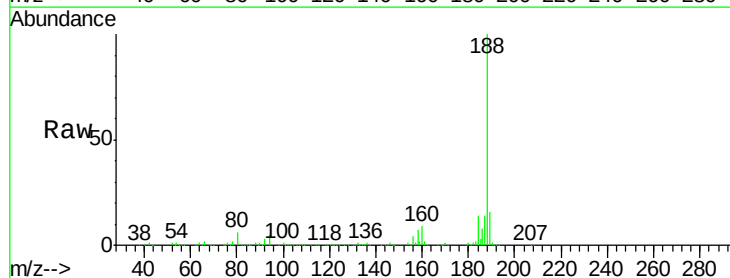
Instrument :
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 ClientSampleId :
 PR-MW-04-121817

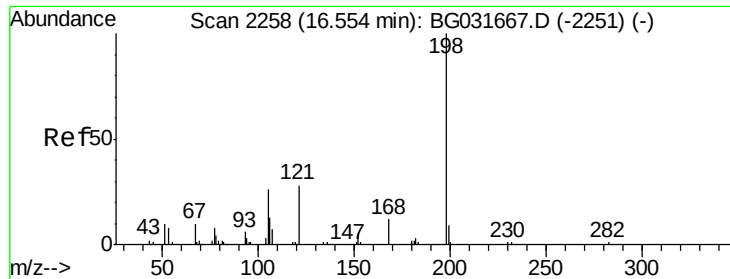
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.19 min Scan# 2536
 Delta R.T. -0.02 min
 Lab File: BG031723.D
 Acq: 22 Dec 2017 22:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	6.9	10.3#
80	6.1	7.7	11.5#

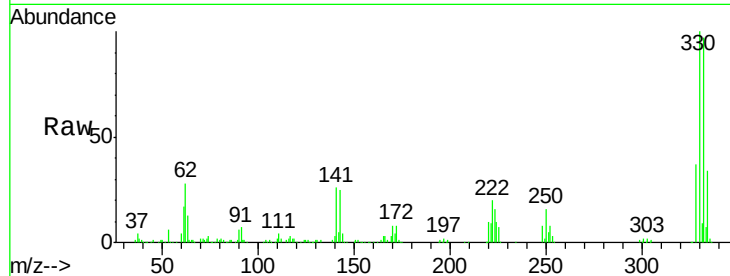




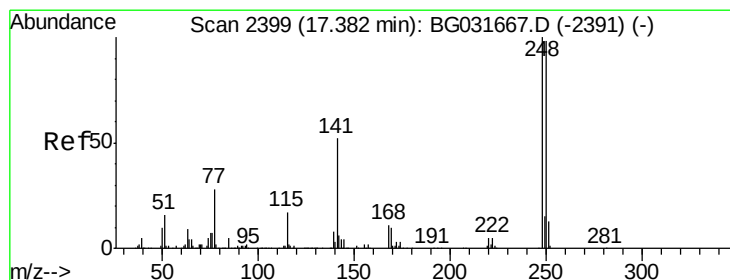
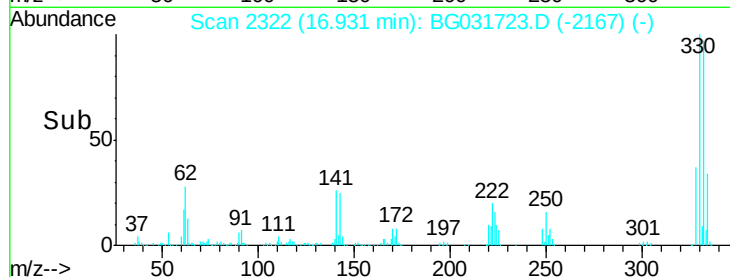
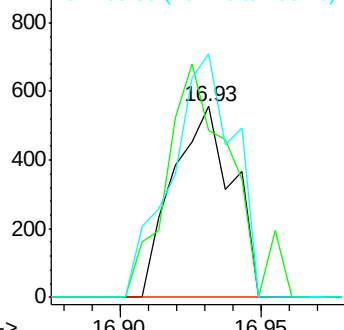
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.657 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. 0.38 min
 Lab File: BG031723.D
 Acq: 22 Dec 2017 22:33

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-04-121817

Tot Ion:198 Resp: 814
 Ion Ratio Lower Upper
 198 100
 51 87.2 30.6 70.6#
 105 127.5 23.8 63.8#

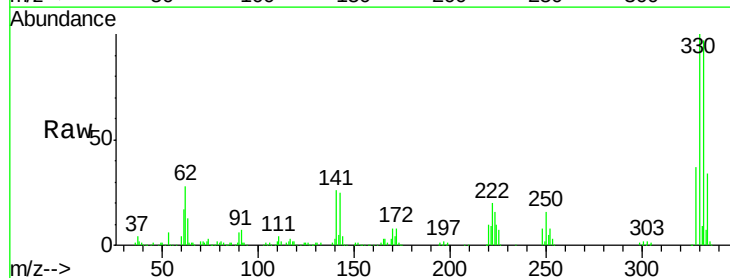


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

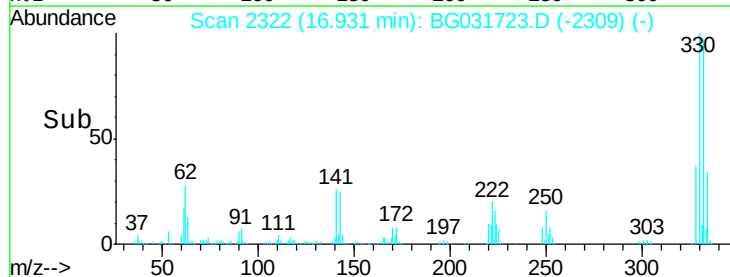
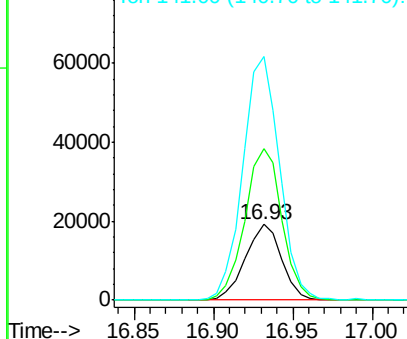


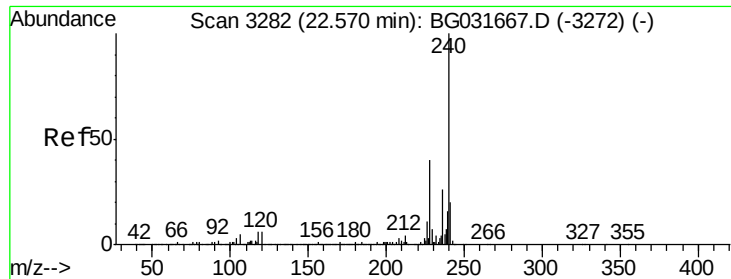
#66
 4-Bromophenyl-phenylether
 Concen: 5.369 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.45 min
 Lab File: BG031723.D
 Acq: 22 Dec 2017 22:33

Tgt Ion:248 Resp: 30586
 Ion Ratio Lower Upper
 248 100
 250 199.9 77.1 115.7#
 141 321.1 50.8 76.2#



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: 22.55 min Scan# 3278

Delta R.T. -0.02 min

Lab File: BG031723.D

Acq: 22 Dec 2017 22:33

Instrument :

BNA_G

ClientSampleId :

PR-MW-04-121817

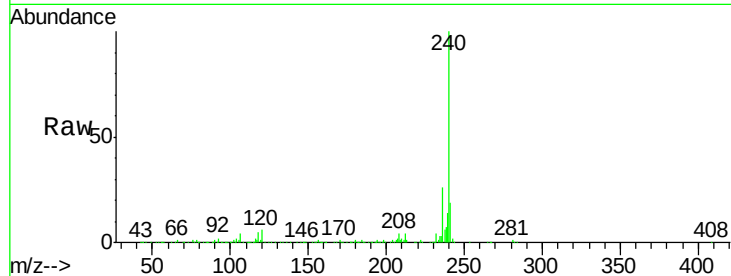
Tot Ion:240 Resp: 452954

Ion Ratio Lower Upper

240 100

120 6.2 6.8 10.2#

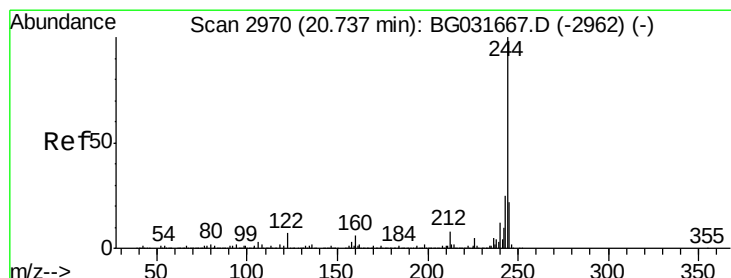
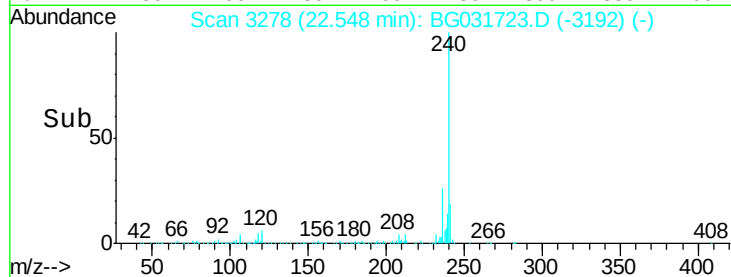
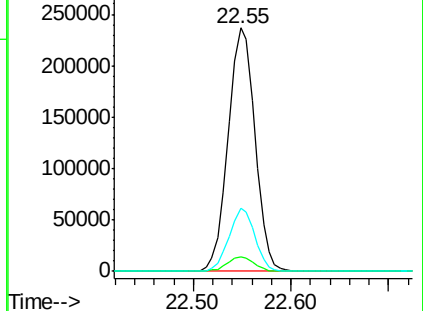
236 26.0 20.9 31.3



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: 98.820 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031723.D

Acq: 22 Dec 2017 22:33

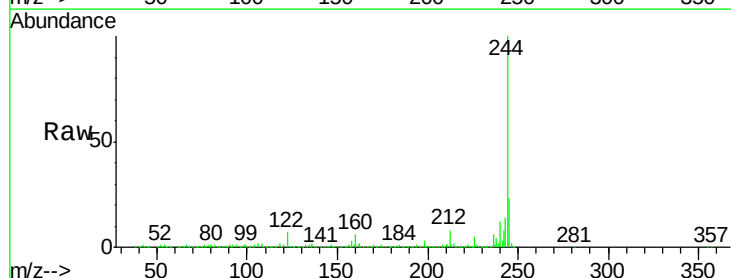
Tgt Ion:244 Resp: 1959200

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

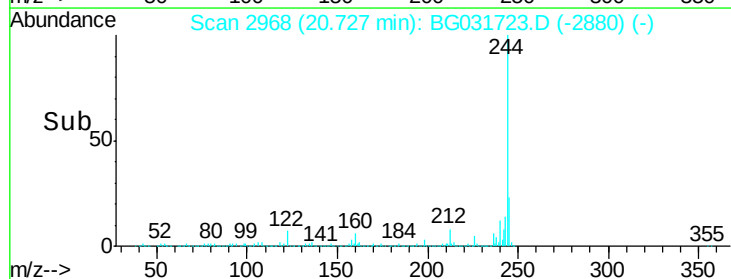
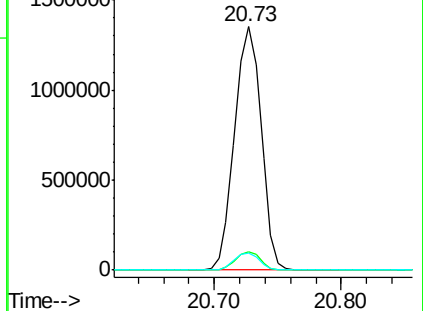
122 7.2 7.0 10.4

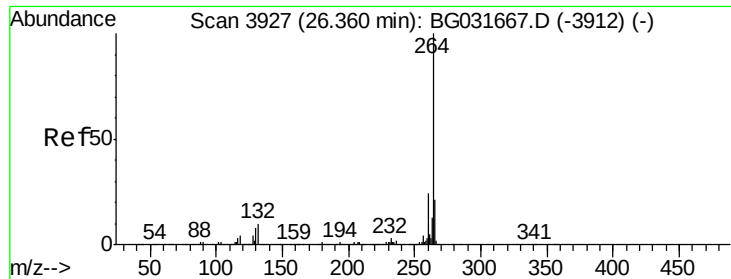


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

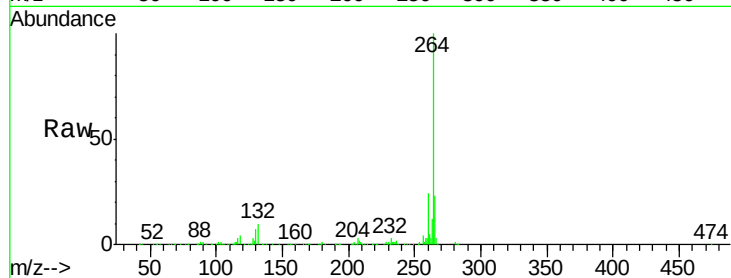




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.33 min Scan# 3922
 Delta R.T. -0.03 min
 Lab File: BG031723.D
 Acq: 22 Dec 2017 22:33

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-04-121817

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.5	17.7	26.5



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

