

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034044.D
 Acq On : 27 Apr 2018 18:15
 Operator : SJ/JU
 Sample : J2156-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 00:31:45 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

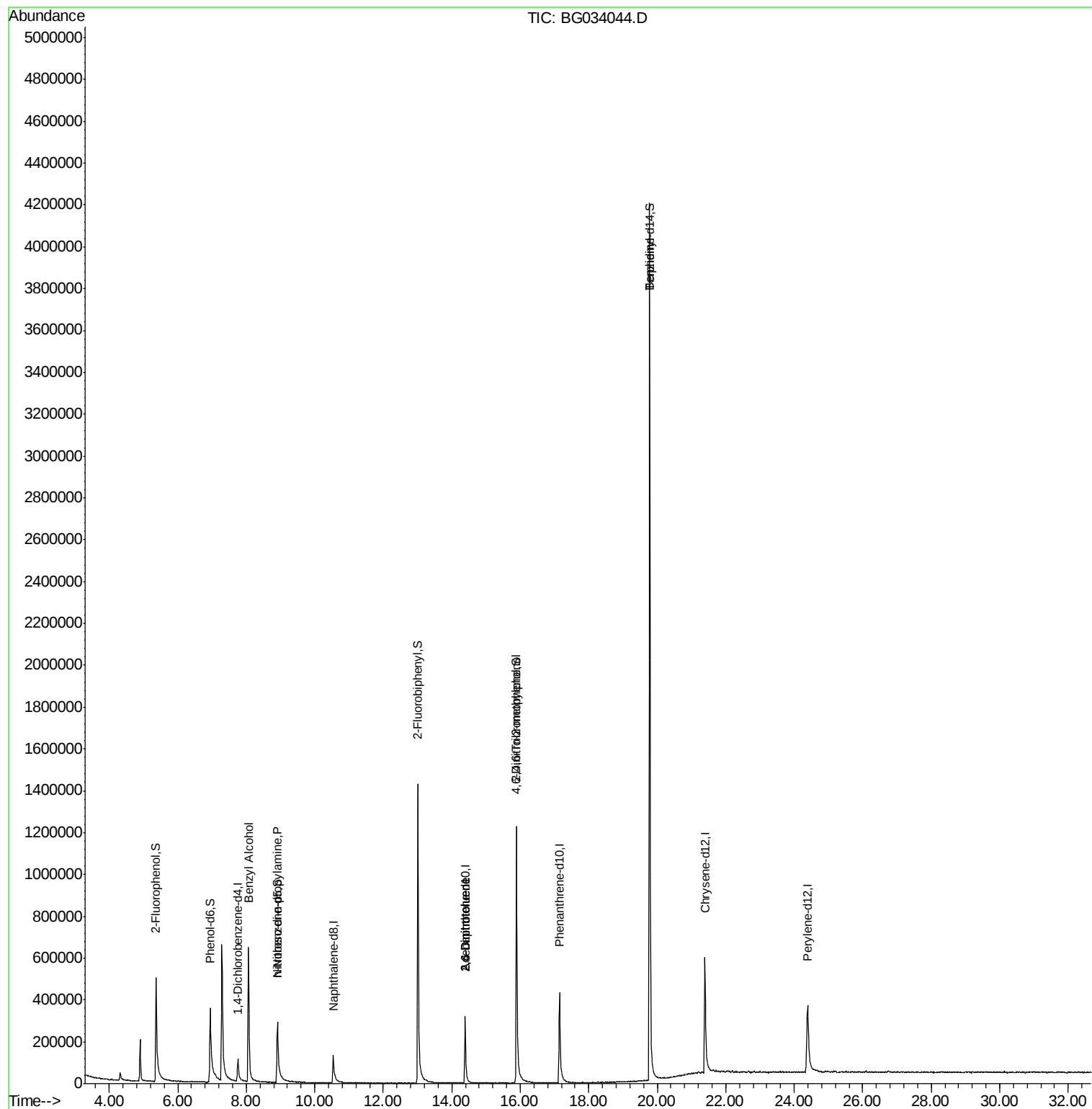
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	34220	20.00	ng	-0.08
21) Naphthalene-d8	10.54	136	217991	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	165466	20.00	ng	-0.09
63) Phenanthrene-d10	17.15	188	474366	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	535849	20.00	ng	-0.10
86) Perylene-d12	24.39	264	510199	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	392469	183.11	ng	-0.08
7) Phenol-d6	6.95	99	505930	161.83	ng	-0.05
23) Nitrobenzene-d5	8.91	82	327014	85.37	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	362127	187.59	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1116653	99.14	ng	-0.09
78) Terphenyl-d14	19.78	244	2480406	103.99	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.94	77	566	Below Cal	Qvalue #	5
15) Benzyl Alcohol	8.06	79	6166	2.262 ng	#	35
19) n-Nitroso-di-n-propylamine	8.91	70	38586	14.480 ng	#	82
50) 2,6-Dinitrotoluene	14.39	165	20722	7.512 ng	#	22
56) 2,4-Dinitrotoluene	14.39	165	20856	5.686 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.90	198	1313	6.986 ng	#	63
76) Benzydine	19.78	184	35277	2.438 ng	#	93

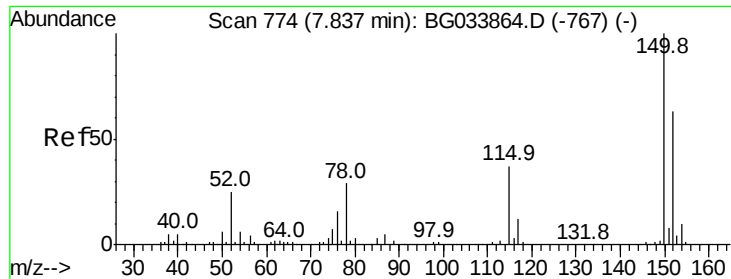
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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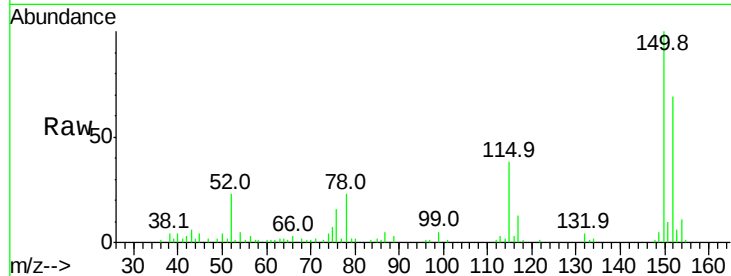


#1

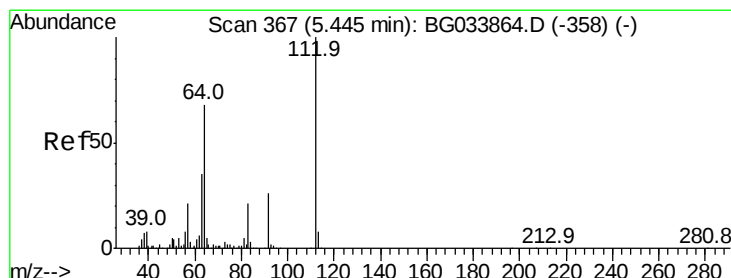
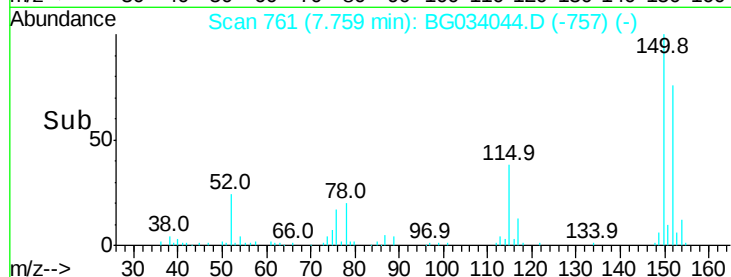
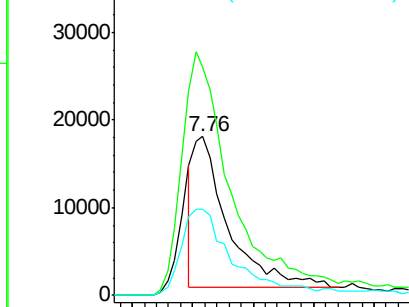
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 761
Delta R.T. -0.08 min
Lab File: BG034044.D
Acq: 27 Apr 2018 18:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34220
Ion Ratio Lower Upper
152 100
150 143.9 126.6 189.8
115 54.6 53.0 79.4



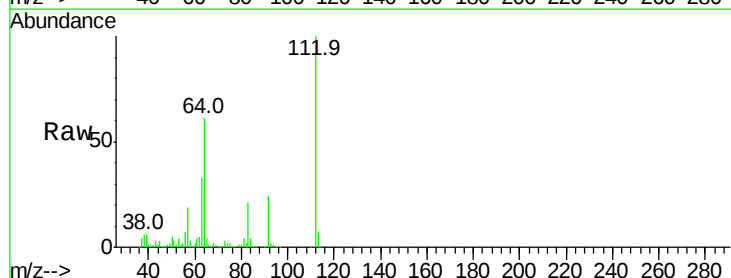
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



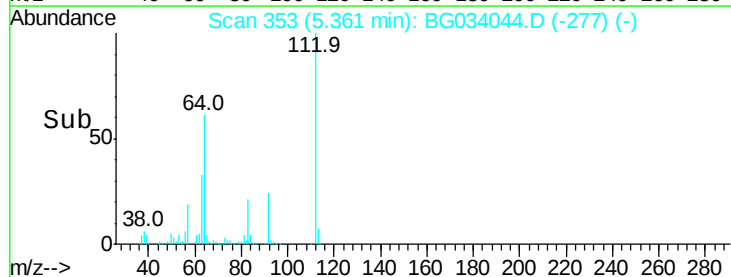
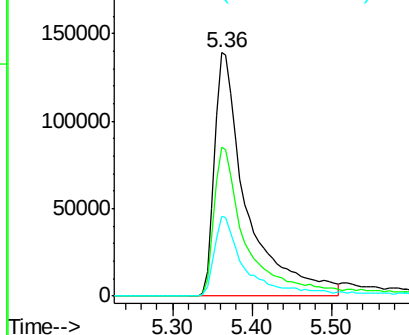
#5

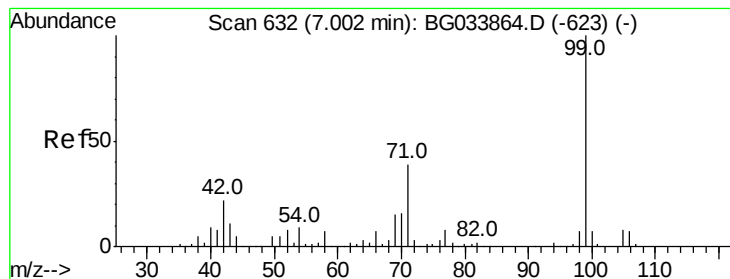
2-Fluorophenol
Concen: 183.106 ng
RT: 5.36 min Scan# 353
Delta R.T. -0.08 min
Lab File: BG034044.D
Acq: 27 Apr 2018 18:15

Tgt Ion:112 Resp: 392469
Ion Ratio Lower Upper
112 100
64 61.4 56.3 84.5
63 32.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 161.832 ng

RT: 6.95 min Scan# 623

Delta R.T. -0.05 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

Instrument :

BNA_G

ClientSampleId :

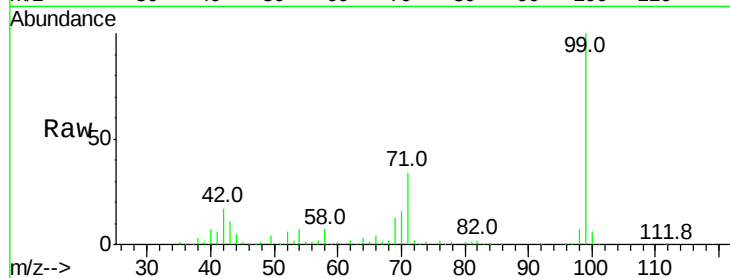
Tot Ion: 99 Resp: 505930

Ion Ratio Lower Upper

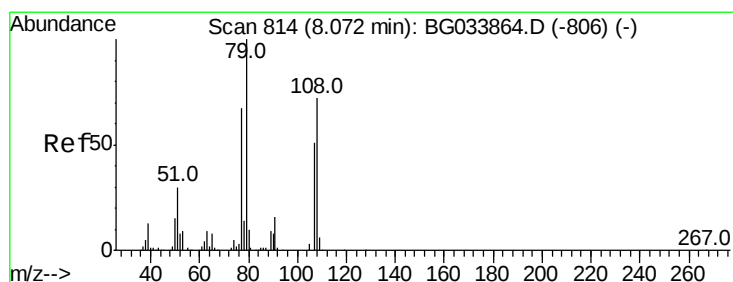
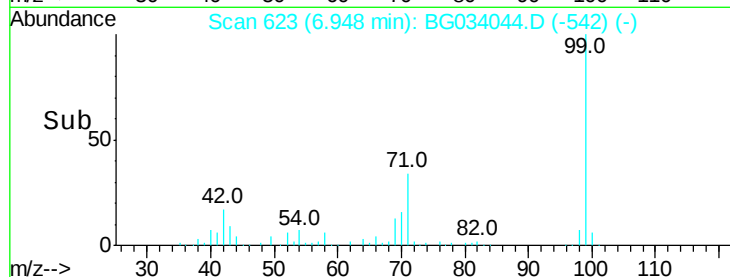
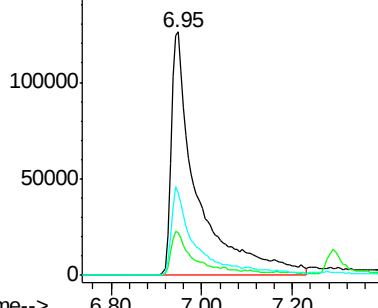
99 100

42 17.5 14.1 21.1

71 34.0 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



#15

Benzyl Alcohol

Concen: 2.262 ng

RT: 8.06 min Scan# 813

Delta R.T. -0.01 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

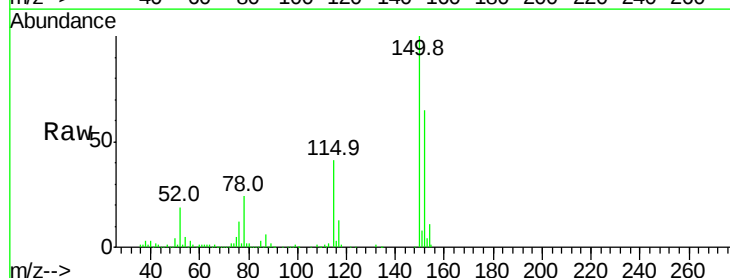
Tgt Ion: 79 Resp: 6166

Ion Ratio Lower Upper

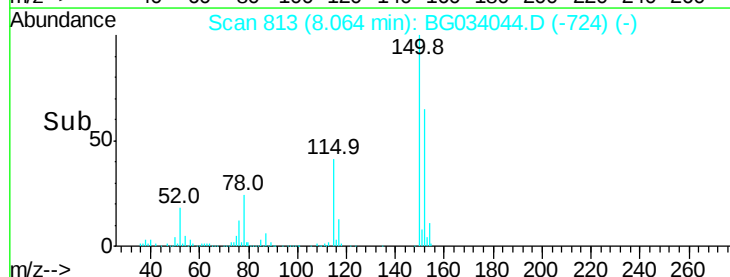
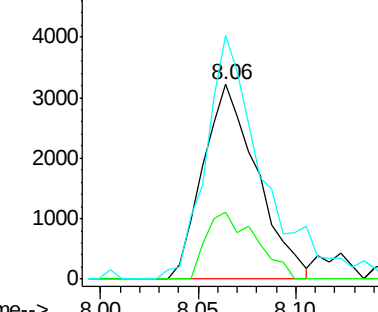
79 100

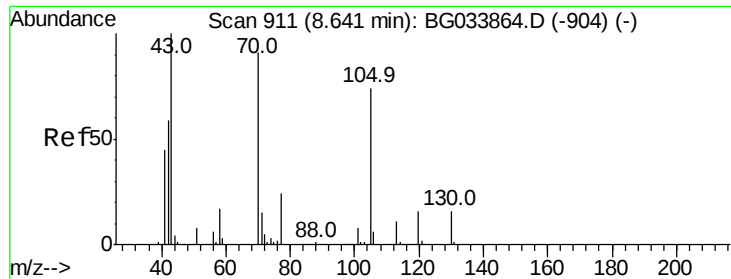
108 34.6 57.2 85.8#

77 125.1 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

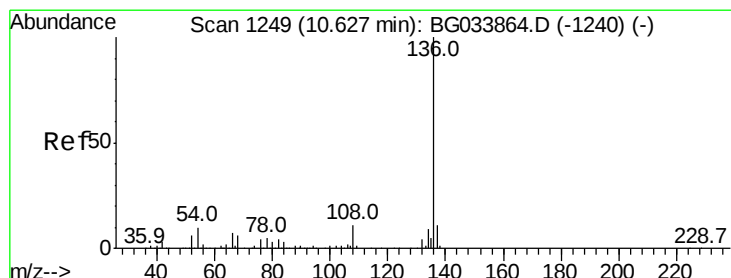
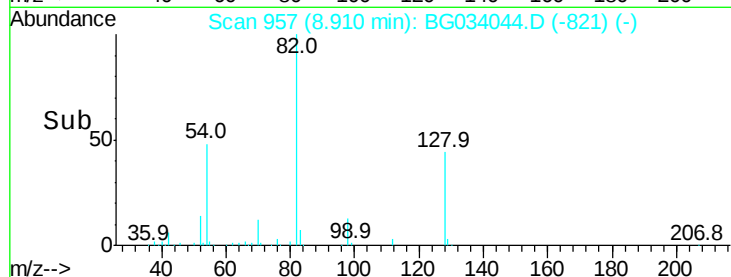
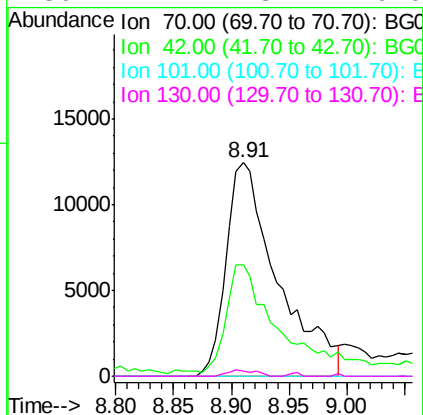
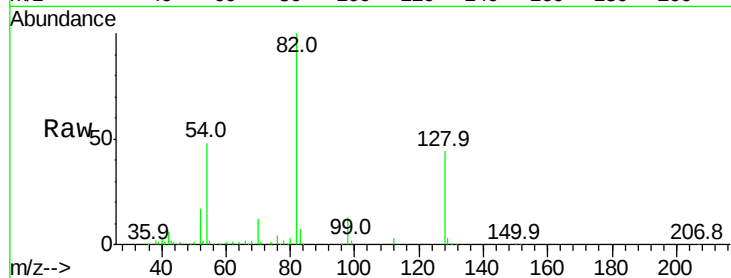




#19
n-Nitroso-di-n-propylamine
Concen: 14.480 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034044.D
Acq: 27 Apr 2018 18:15

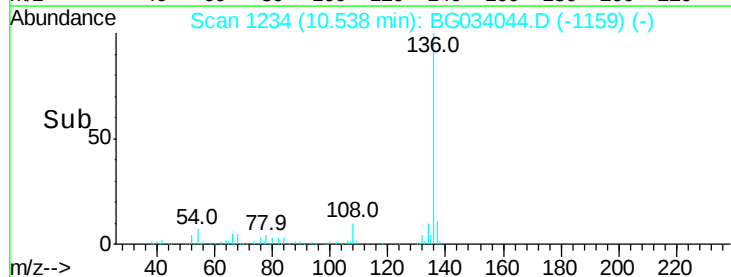
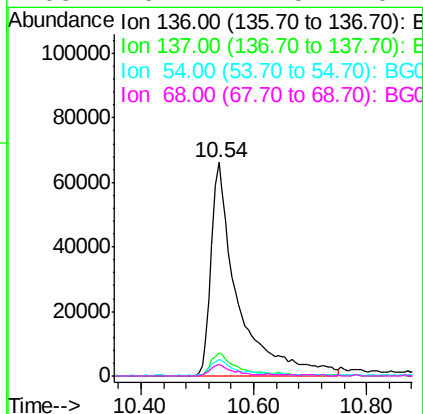
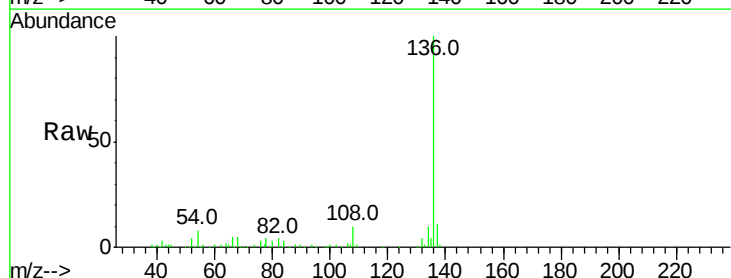
Instrument :
BNA_G
ClientSampleId :

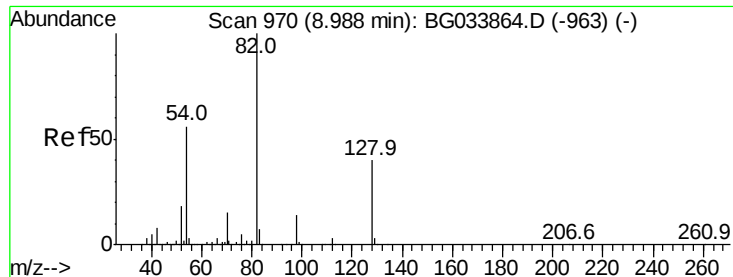
Tot Ion: 70 Resp: 38586
Ion Ratio Lower Upper
70 100
42 52.0 49.1 73.7
101 0.0 8.5 12.7#
130 2.7 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.54 min Scan# 1234
Delta R.T. -0.09 min
Lab File: BG034044.D
Acq: 27 Apr 2018 18:15

Tgt Ion: 136 Resp: 217991
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.5 10.3 15.5#
68 5.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 85.372 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.08 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

Instrument :

BNA_G

ClientSampleId :

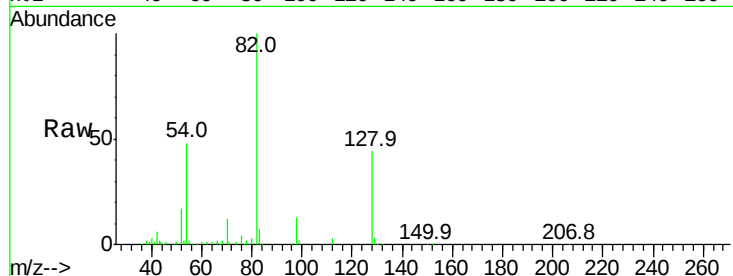
Tot Ion: 82 Resp: 327014

Ion Ratio Lower Upper

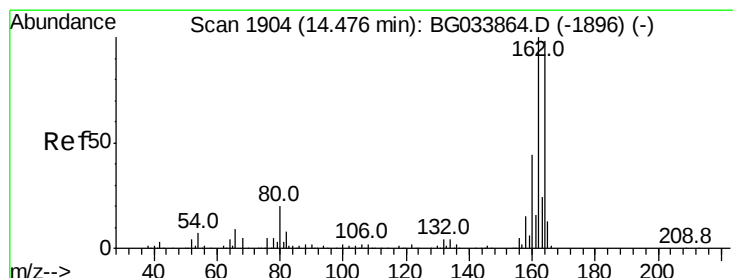
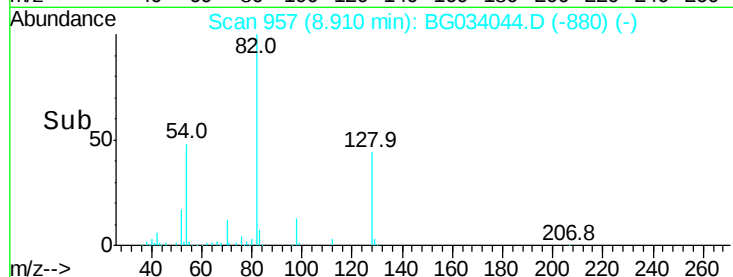
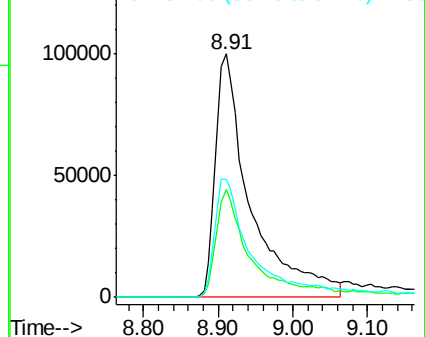
82 100

128 44.1 29.7 44.5

54 48.5 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.09 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

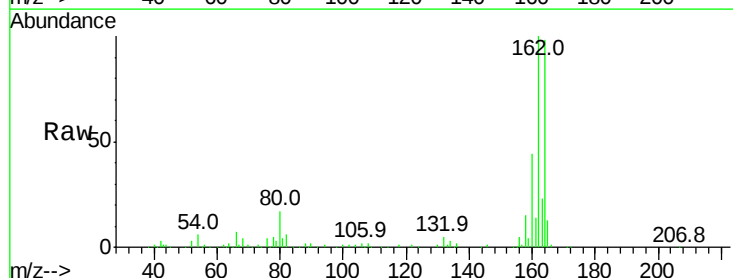
Tgt Ion:164 Resp: 165466

Ion Ratio Lower Upper

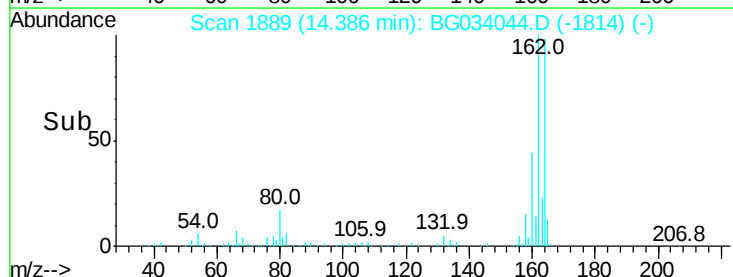
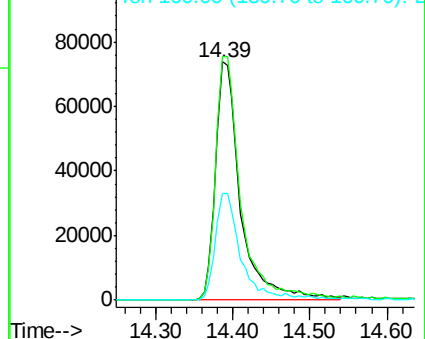
164 100

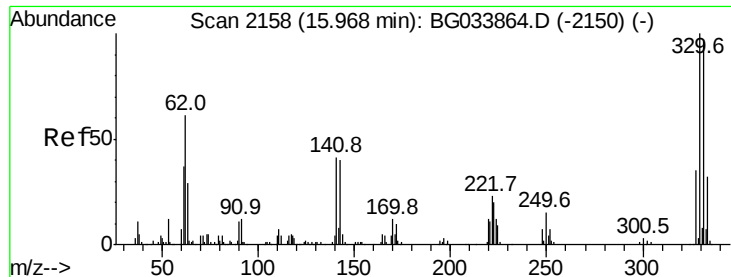
162 102.3 78.8 118.2

160 44.7 35.4 53.0



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

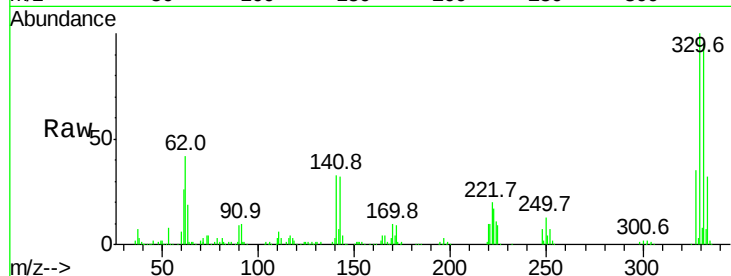




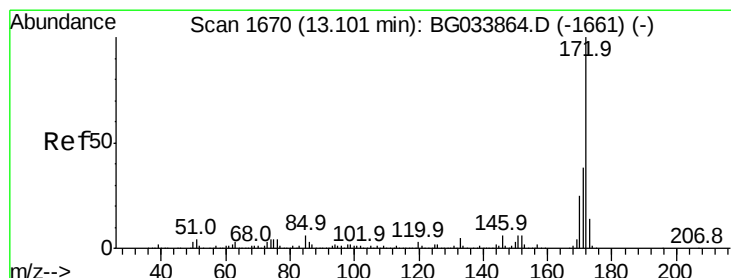
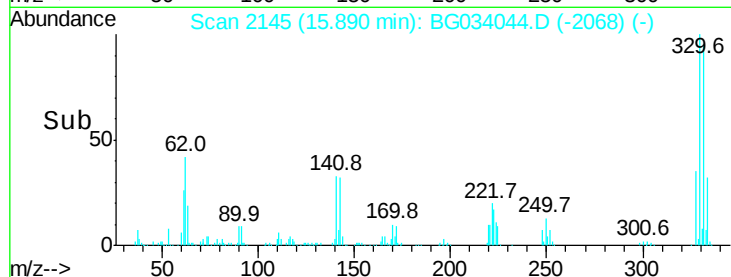
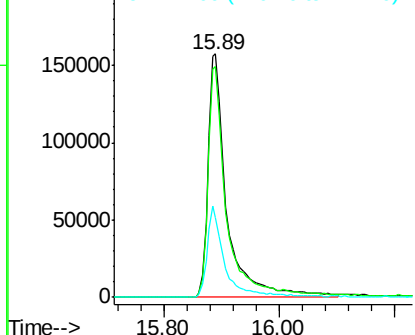
#41
 2,4,6-Tribromophenol
 Concen: 187.589 ng
 RT: 15.89 min Scan# 2145
 Delta R.T. -0.08 min
 Lab File: BG034044.D
 Acq: 27 Apr 2018 18:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 362127
 Ion Ratio Lower Upper
 330 100
 332 92.3 77.0 115.6
 141 34.2 25.2 37.8

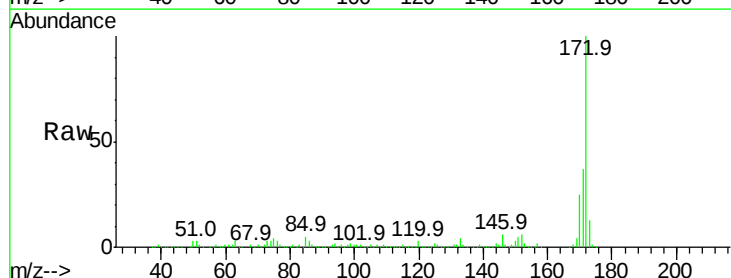


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

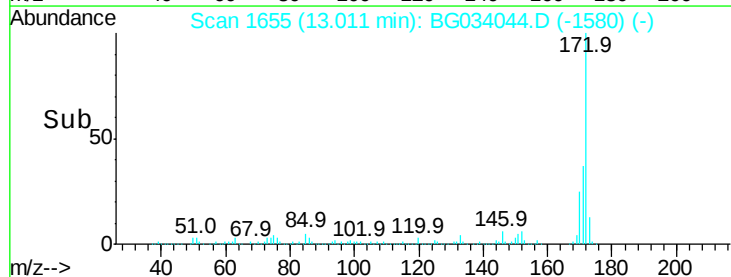
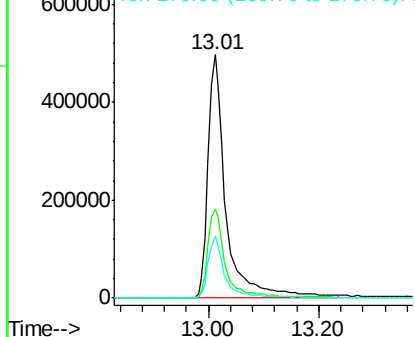


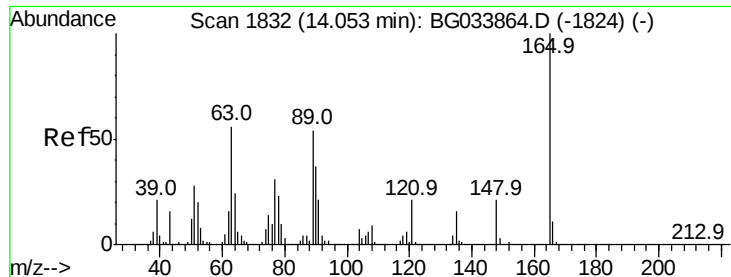
#44
 2-Fluorobiphenyl
 Concen: 99.138 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034044.D
 Acq: 27 Apr 2018 18:15

Tgt Ion:172 Resp: 1116653
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.0 45.0
 170 25.3 19.5 29.3



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

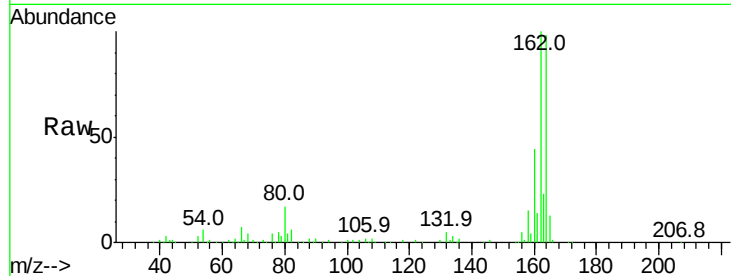




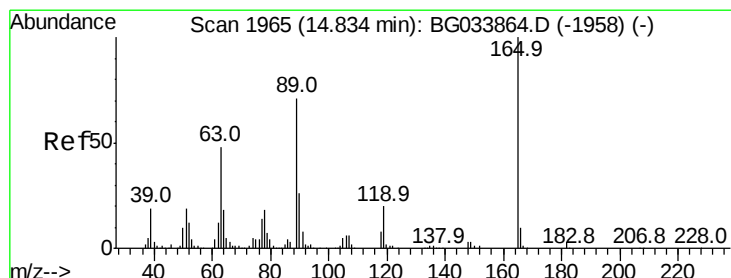
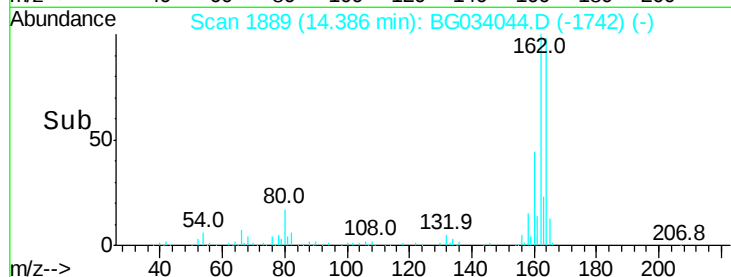
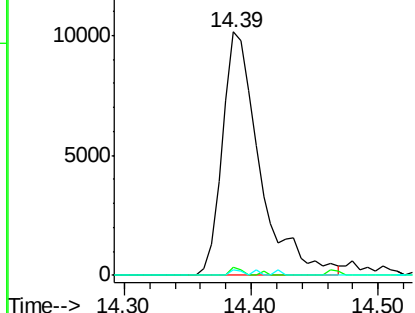
#50
2,6-Dinitrotoluene
Concen: 7.512 ng
RT: 14.39 min Scan# 1889
Delta R.T. 0.33 min
Lab File: BG034044.D
Acq: 27 Apr 2018 18:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 20722
Ion Ratio Lower Upper
165 100
63 3.1 52.7 79.1#
89 2.1 49.2 73.8#



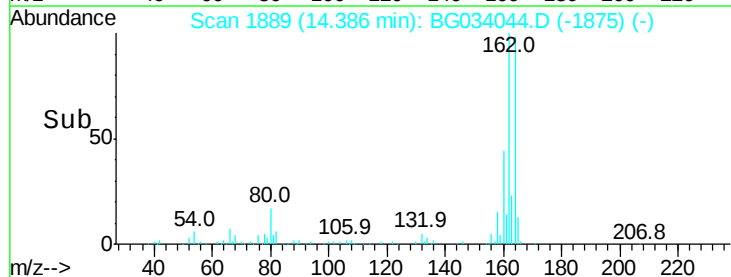
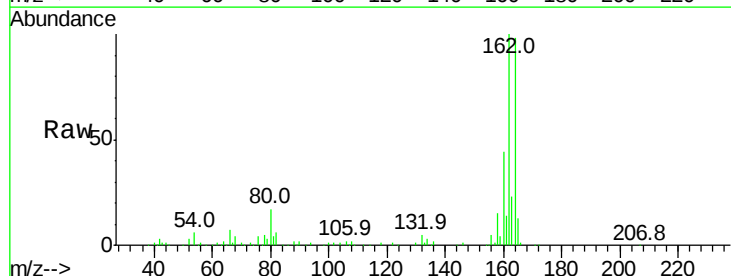
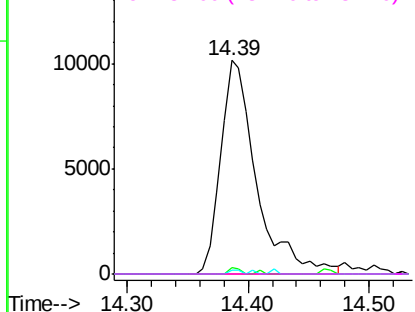
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

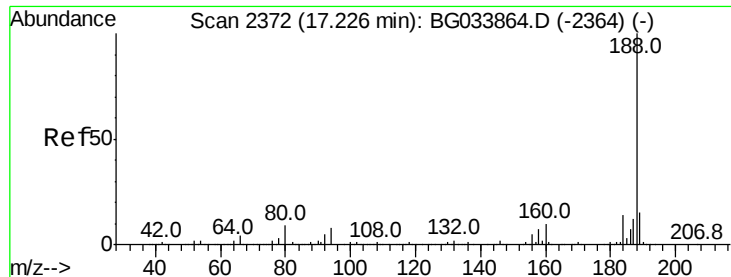


#56
2,4-Dinitrotoluene
Concen: 5.686 ng
RT: 14.39 min Scan# 1889
Delta R.T. -0.45 min
Lab File: BG034044.D
Acq: 27 Apr 2018 18:15

Tgt Ion:165 Resp: 20856
Ion Ratio Lower Upper
165 100
63 3.1 42.0 63.0#
89 2.1 66.9 100.3#
182 0.0 2.6 3.8#

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.15 min Scan# 2359

Delta R.T. -0.08 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

Instrument :

BNA_G

ClientSampleId :

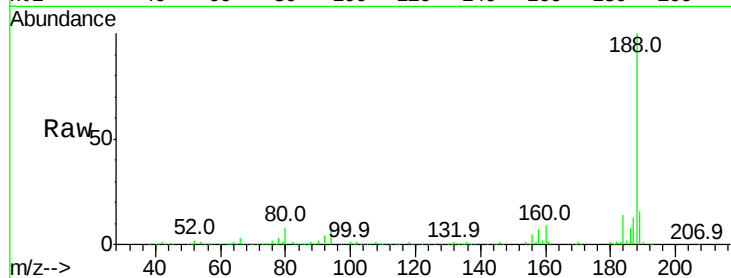
Tot Ion:188 Resp: 474366

Ion Ratio Lower Upper

188 100

94 7.1 6.9 10.3

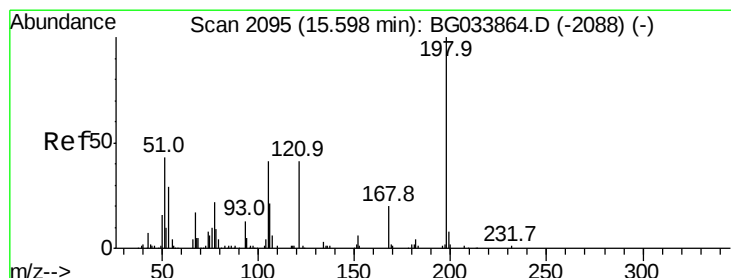
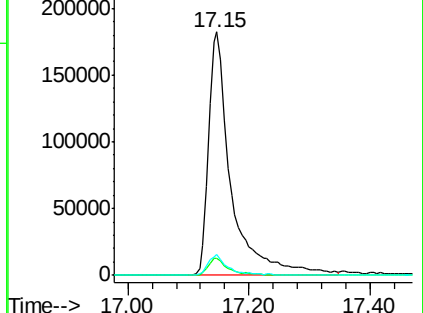
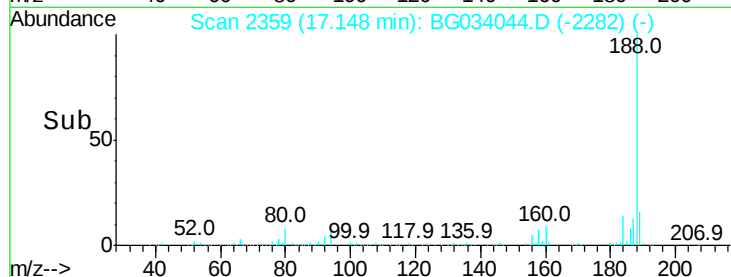
80 8.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 6.986 ng

RT: 15.90 min Scan# 2146

Delta R.T. 0.30 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

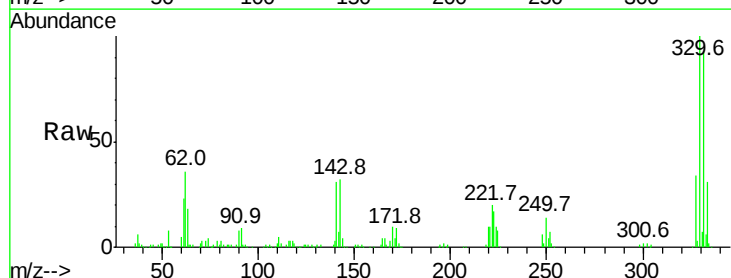
Tgt Ion:198 Resp: 1313

Ion Ratio Lower Upper

198 100

51 21.6 30.6 70.6#

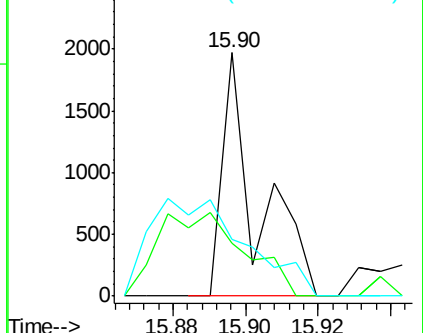
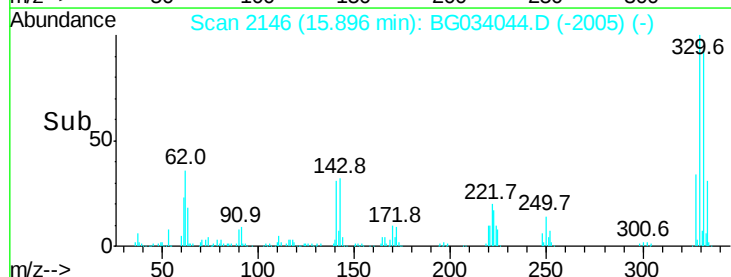
105 23.2 23.8 63.8#

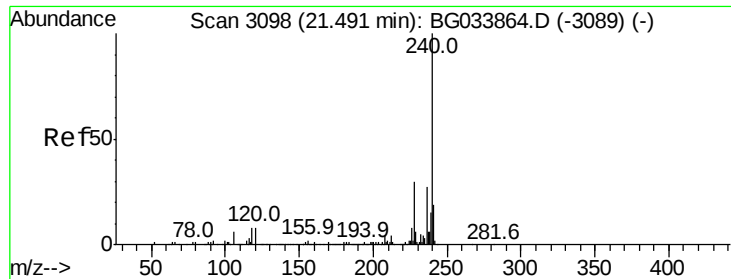


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

Instrument :

BNA_G

ClientSampleId :

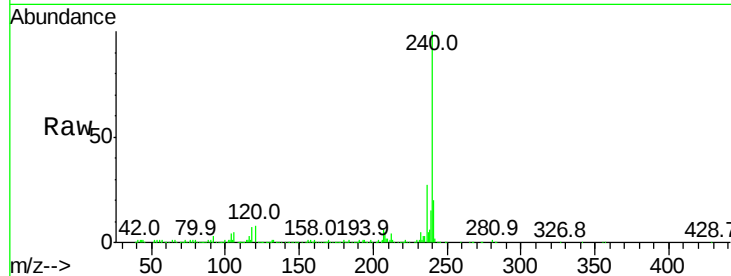
Tot Ion:240 Resp: 535849

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

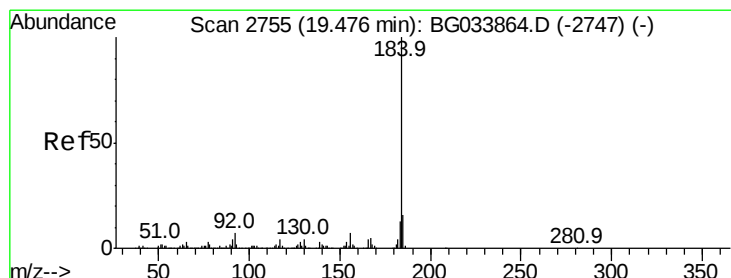
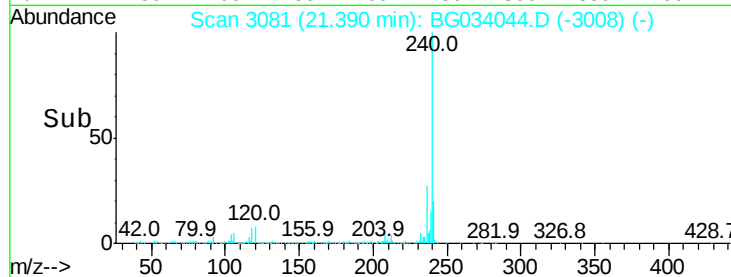
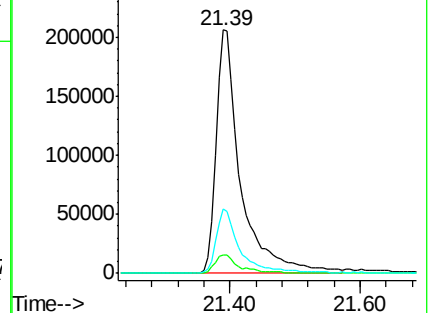
236 26.7 20.9 31.3



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



#76

Benzidine

Concen: 2.438 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.30 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

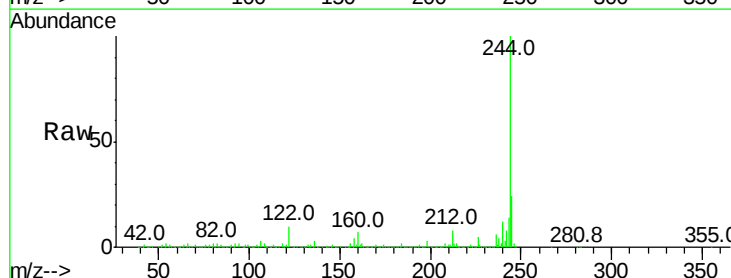
Tgt Ion:184 Resp: 35277

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

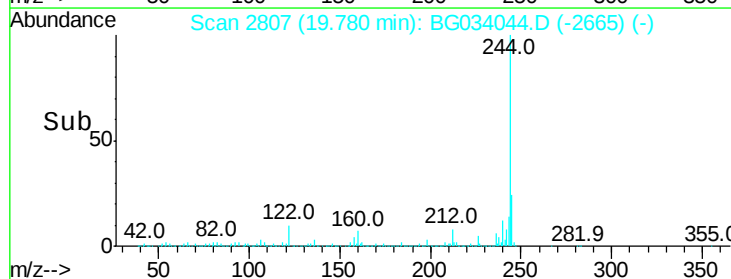
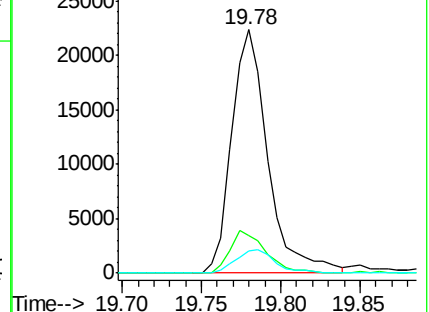
183 9.3 10.6 16.0#

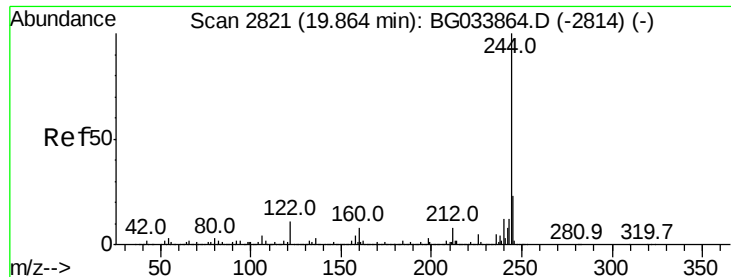


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 103.994 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

Instrument :

BNA_G

ClientSampleId :

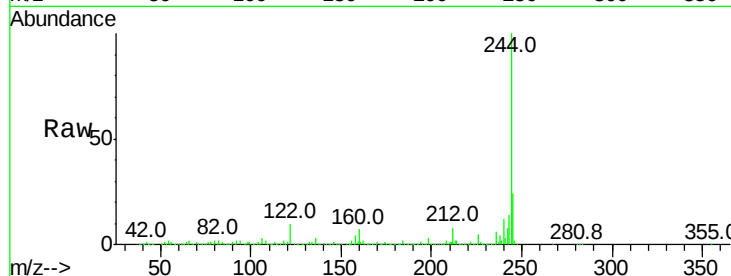
Tot Ion:244 Resp: 2480406

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	9.7	7.0	10.4

244 100

212 8.3 5.8 8.8

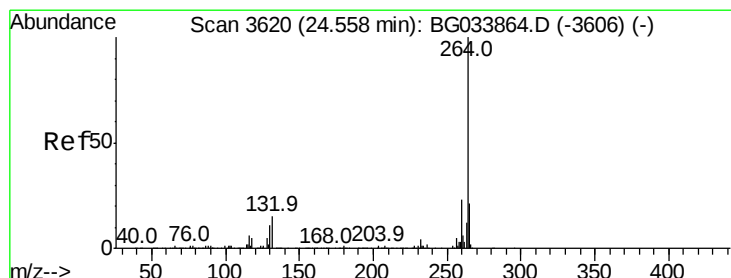
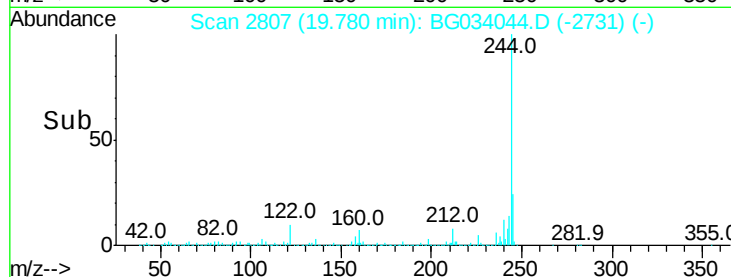
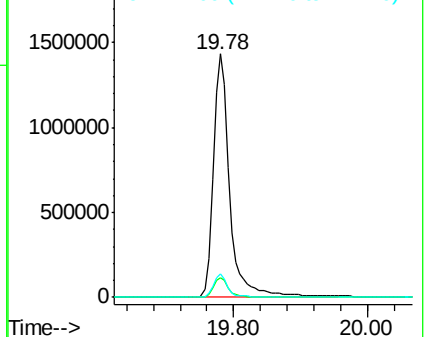
122 9.7 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.39 min Scan# 3591

Delta R.T. -0.17 min

Lab File: BG034044.D

Acq: 27 Apr 2018 18:15

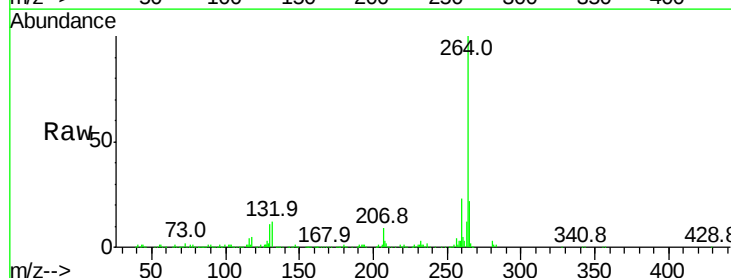
Tgt Ion:264 Resp: 510199

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	21.8	17.7	26.5

264 100

260 22.9 17.4 26.0

265 21.8 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

