

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034048.D
 Acq On : 27 Apr 2018 20:47
 Operator : SJ/JU
 Sample : J2455-45
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 00:33:50 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

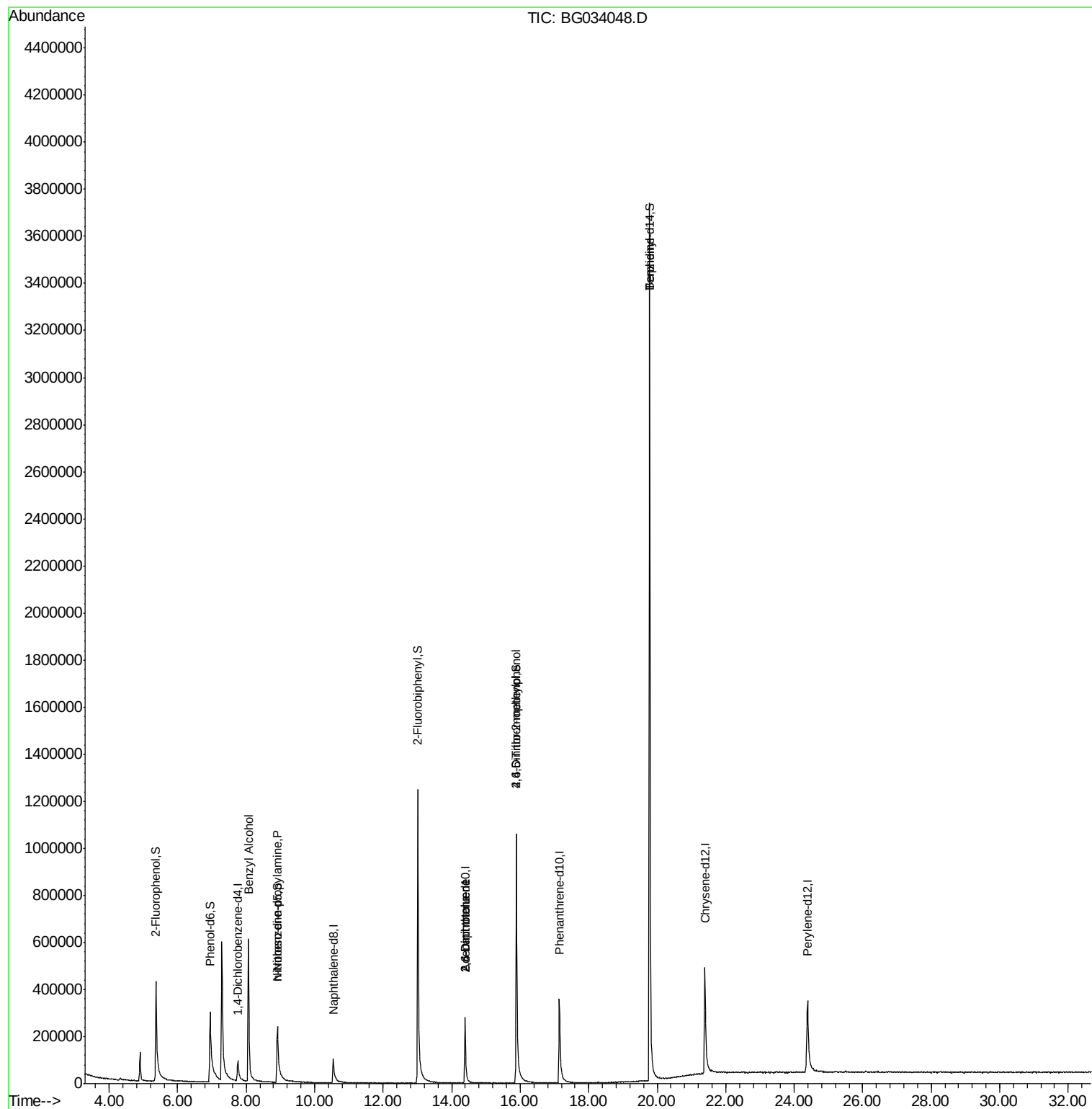
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	32464	20.00	ng	-0.08
21) Naphthalene-d8	10.54	136	192847	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	150643	20.00	ng	-0.09
63) Phenanthrene-d10	17.14	188	435929	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	489338	20.00	ng	-0.10
86) Perylene-d12	24.39	264	478950	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	354871	174.52	ng	-0.08
7) Phenol-d6	6.94	99	396607	133.72	ng	-0.06
23) Nitrobenzene-d5	8.91	82	291604	86.05	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	320494	182.36	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1053731	102.76	ng	-0.09
78) Terphenyl-d14	19.78	244	2355086	108.13	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.94	77	196	Below Cal	Qvalue	# 5
15) Benzyl Alcohol	8.07	79	6171	2.386 ng	#	38
19) n-Nitroso-di-n-propylamine	8.91	70	33725	13.340 ng	#	81
50) 2,6-Dinitrotoluene	14.39	165	18339	7.303 ng	#	18
56) 2,4-Dinitrotoluene	14.39	165	18339	5.492 ng	#	16
64) 4,6-Dinitro-2-methylphenol	15.89	198	1757	7.213 ng		75
76) Benzidine	19.78	184	32781	2.481 ng	#	91

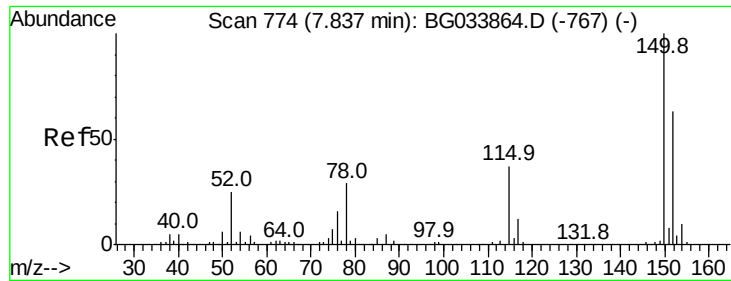
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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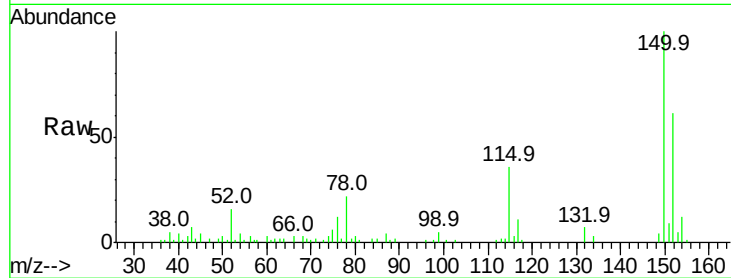


#1

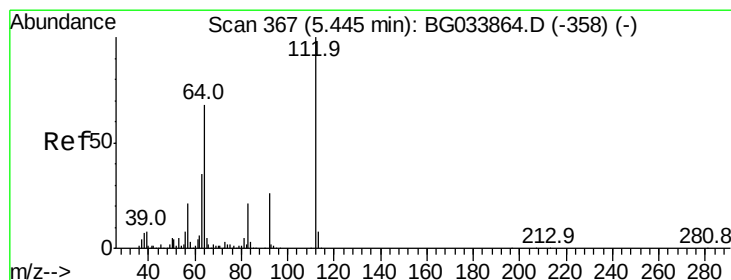
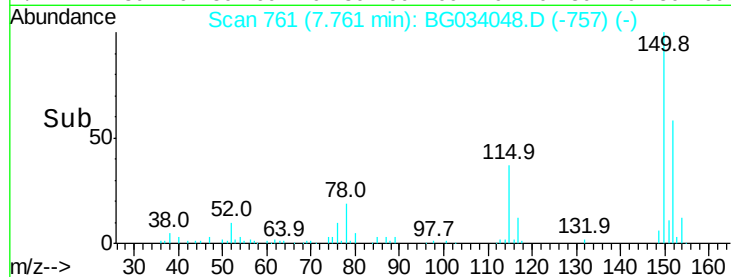
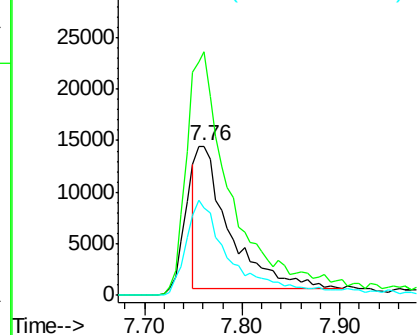
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 761
Delta R.T. -0.08 min
Lab File: BG034048.D
Acq: 27 Apr 2018 20:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 32464
Ion Ratio Lower Upper
152 100
150 163.2 126.6 189.8
115 59.0 53.0 79.4



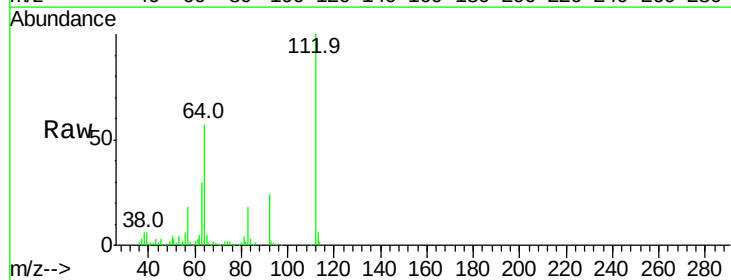
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



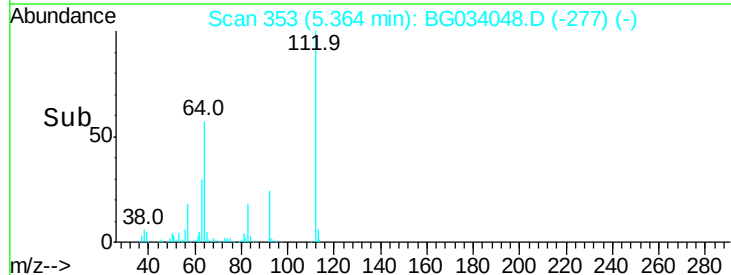
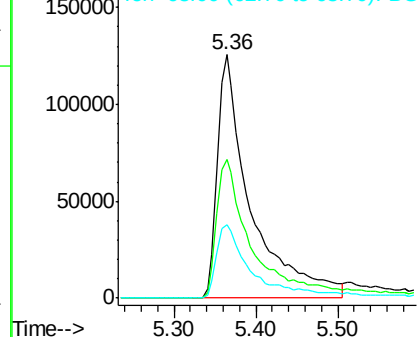
#5

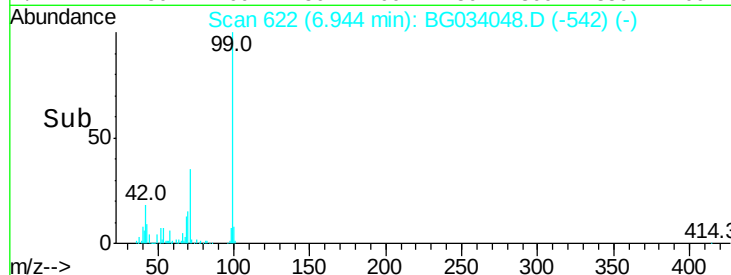
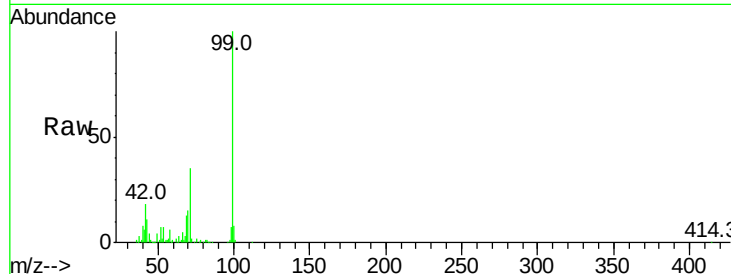
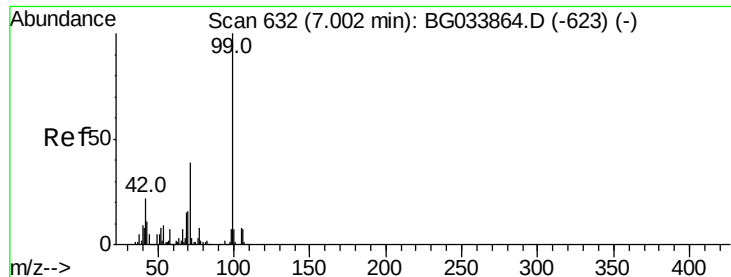
2-Fluorophenol
Concen: 174.520 ng
RT: 5.36 min Scan# 353
Delta R.T. -0.08 min
Lab File: BG034048.D
Acq: 27 Apr 2018 20:47

Tgt Ion:112 Resp: 354871
Ion Ratio Lower Upper
112 100
64 57.2 56.3 84.5
63 30.3 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: 133.725 ng

RT: 6.94 min Scan# 622

Delta R.T. -0.06 min

Lab File: BG034048.D

Acq: 27 Apr 2018 20:47

Instrument :

BNA_G

ClientSampleId :

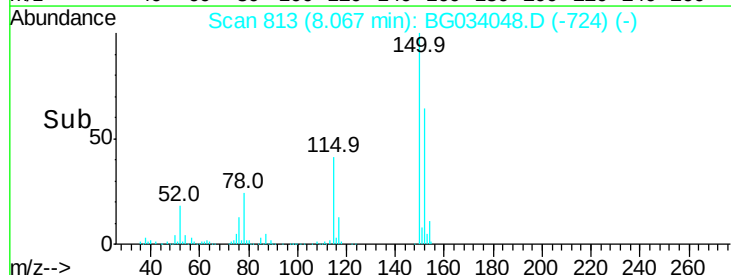
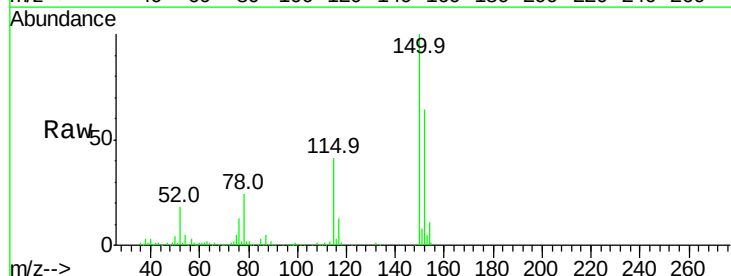
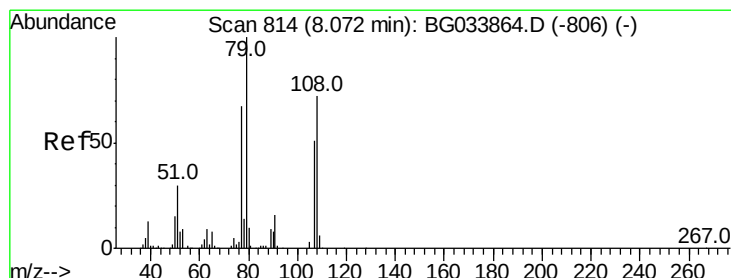
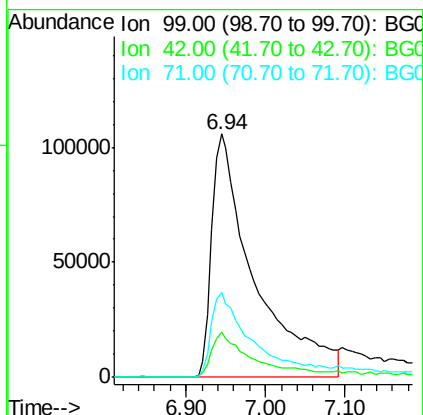
Tot Ion: 99 Resp: 396607

Ion Ratio Lower Upper

99 100

42 18.3 14.1 21.1

71 34.8 26.1 39.1



#15

Benzyl Alcohol

Concen: 2.386 ng

RT: 8.07 min Scan# 813

Delta R.T. -0.00 min

Lab File: BG034048.D

Acq: 27 Apr 2018 20:47

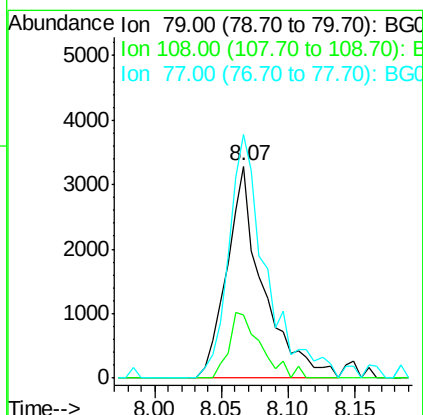
Tgt Ion: 79 Resp: 6171

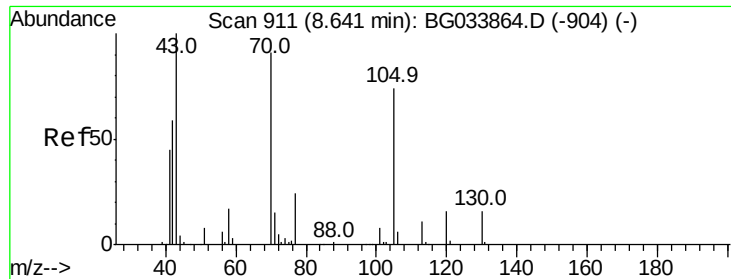
Ion Ratio Lower Upper

79 100

108 29.7 57.2 85.8#

77 115.0 46.1 69.1#

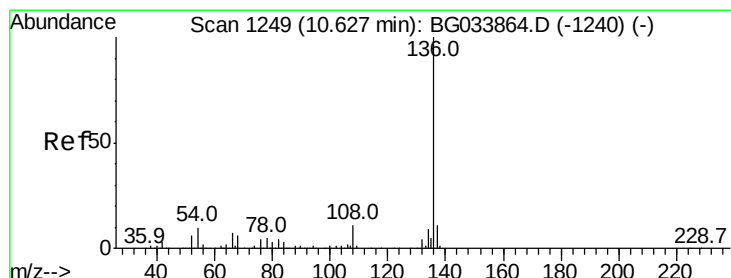
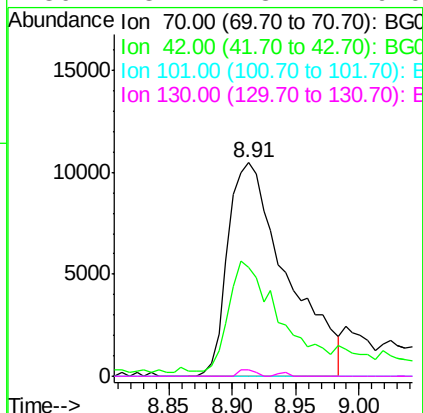
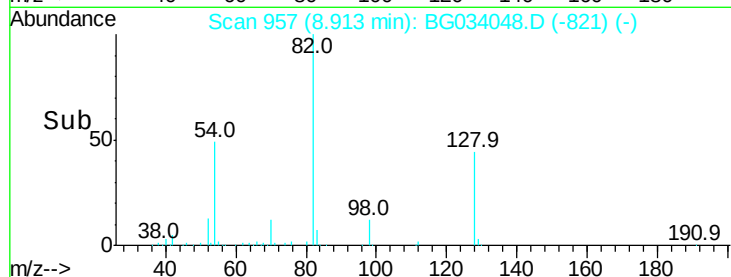
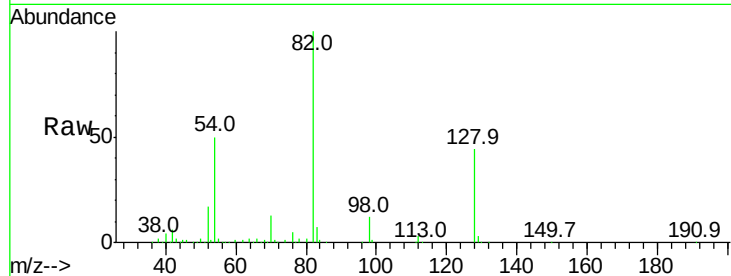




#19
n-Nitroso-di-n-propylamine
Concen: 13.340 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034048.D
Acq: 27 Apr 2018 20:47

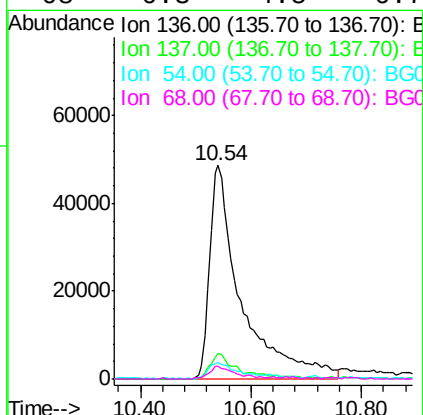
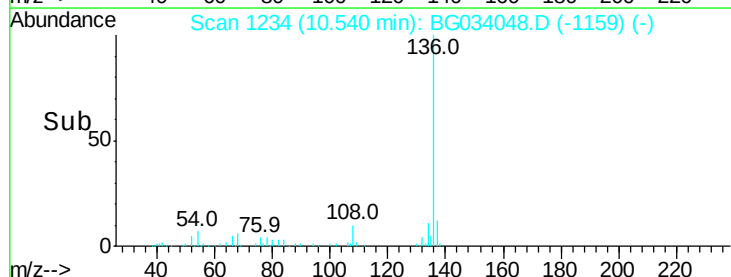
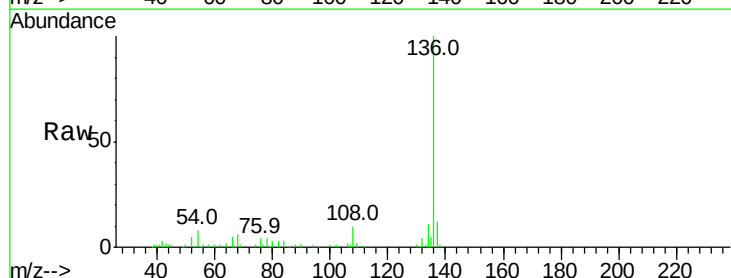
Instrument :
BNA_G
ClientSampleId :

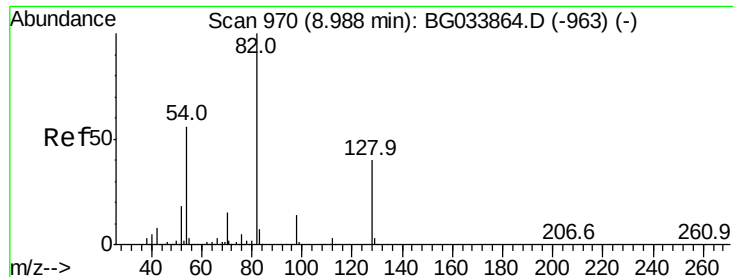
Tot Ion: 70 Resp: 33725
Ion Ratio Lower Upper
70 100
42 50.9 49.1 73.7
101 0.0 8.5 12.7#
130 3.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.54 min Scan# 1234
Delta R.T. -0.09 min
Lab File: BG034048.D
Acq: 27 Apr 2018 20:47

Tgt Ion: 136 Resp: 192847
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 8.0 10.3 15.5#
68 6.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 86.053 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.08 min

Lab File: BG034048.D

Acq: 27 Apr 2018 20:47

Instrument :

BNA_G

ClientSampleId :

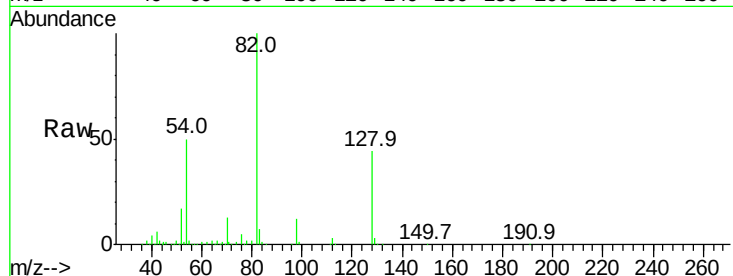
Tot Ion: 82 Resp: 291604

Ion Ratio Lower Upper

82 100

128 44.2 29.7 44.5

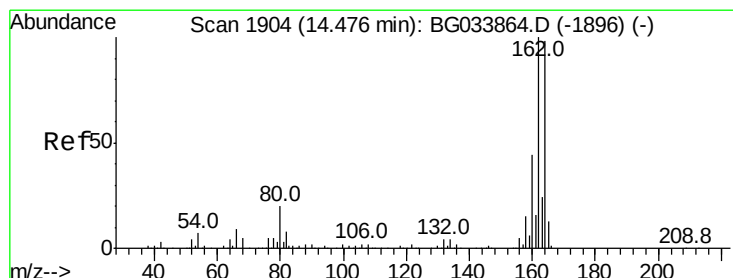
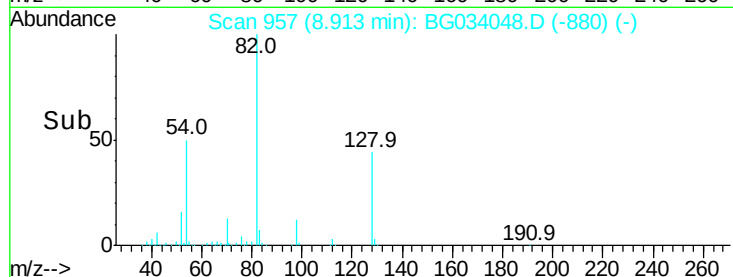
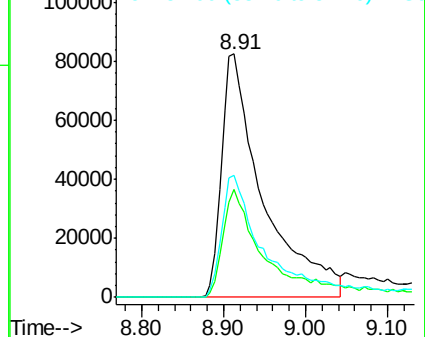
54 50.4 43.1 64.7



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: BG034048.D

Acq: 27 Apr 2018 20:47

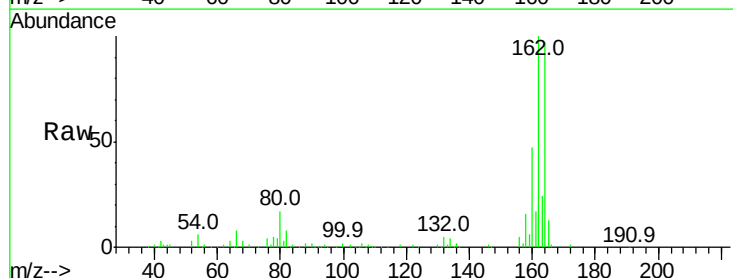
Tgt Ion:164 Resp: 150643

Ion Ratio Lower Upper

164 100

162 102.7 78.8 118.2

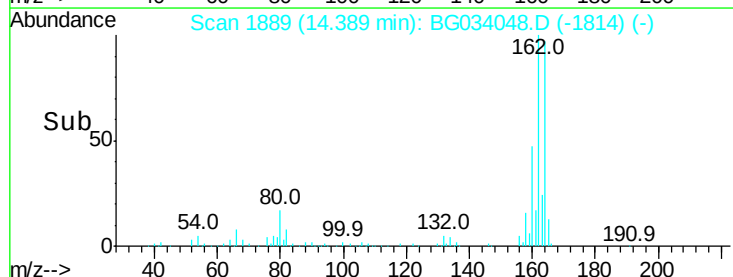
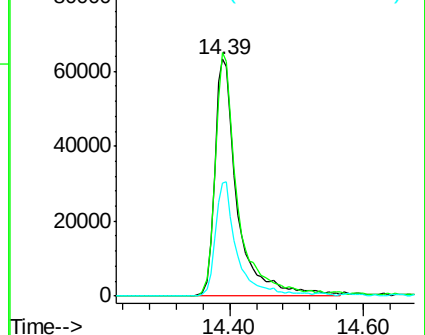
160 47.8 35.4 53.0

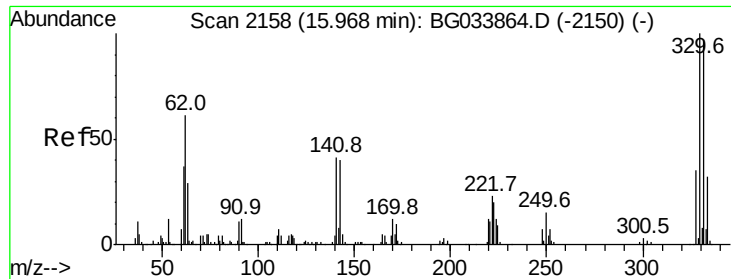


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

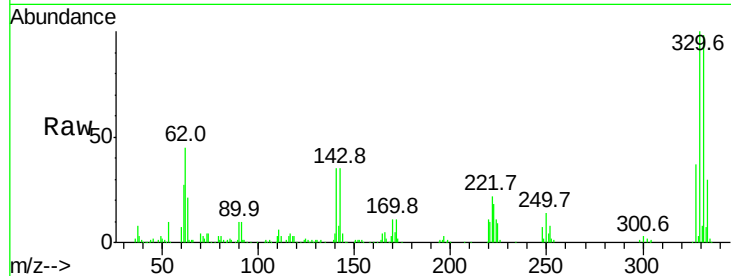




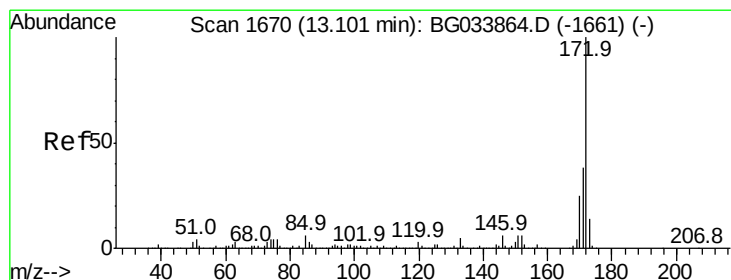
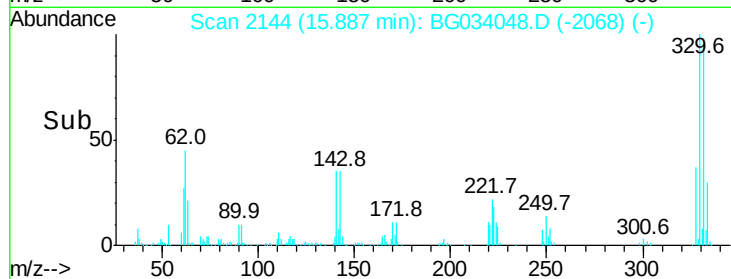
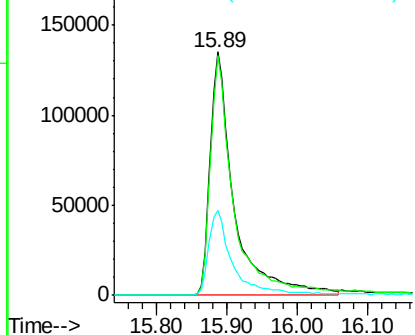
#41
 2,4,6-Tribromophenol
 Concen: 182.359 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034048.D
 Acq: 27 Apr 2018 20:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 320494
 Ion Ratio Lower Upper
 330 100
 332 99.2 77.0 115.6
 141 33.8 25.2 37.8

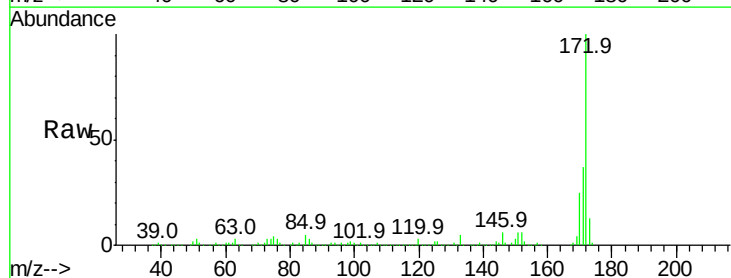


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

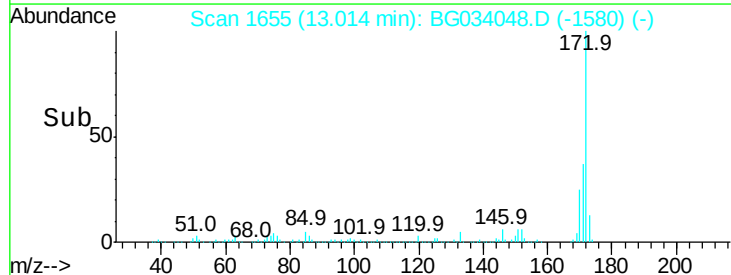
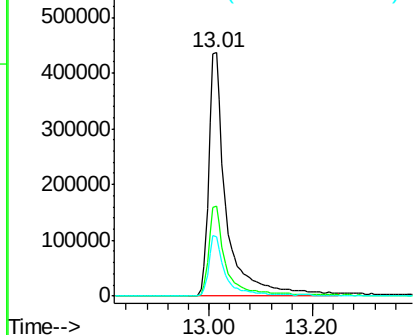


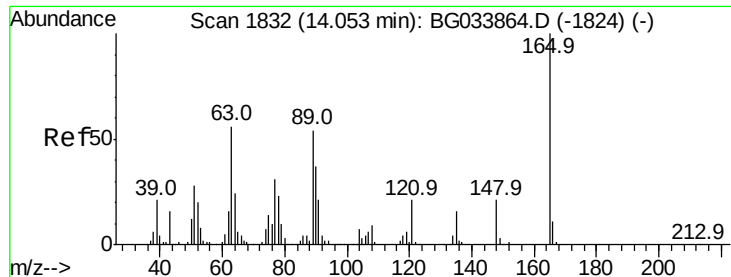
#44
 2-Fluorobiphenyl
 Concen: 102.757 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034048.D
 Acq: 27 Apr 2018 20:47

Tgt Ion:172 Resp: 1053731
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.0 45.0
 170 24.5 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: 7.303 ng

RT: 14.39 min Scan# 1889

Delta R.T. 0.34 min

Lab File: BG034048.D

Acq: 27 Apr 2018 20:47

Instrument :

BNA_G

ClientSampleId :

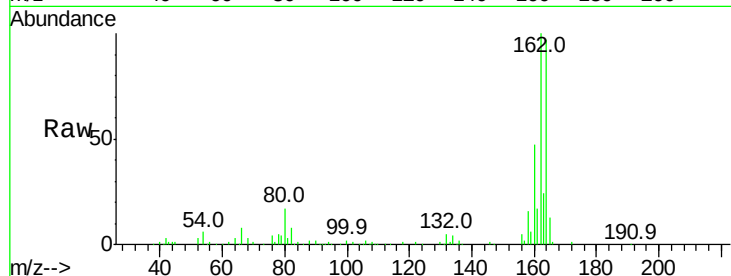
Tot Ion:165 Resp: 18339

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

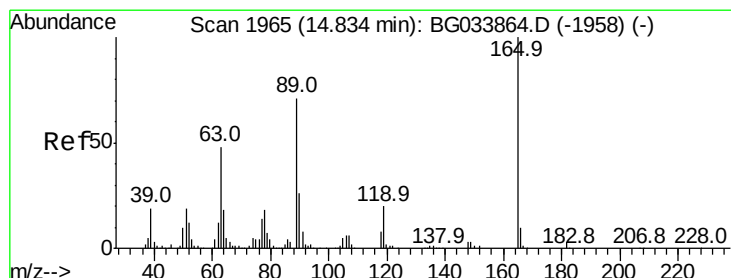
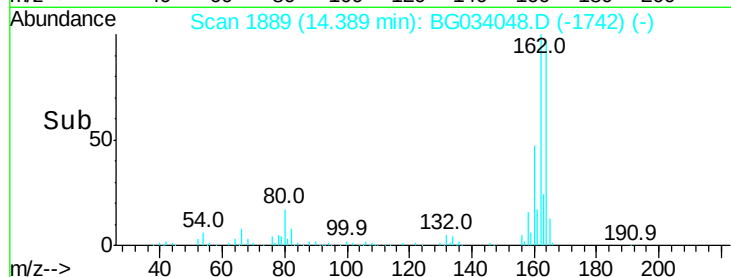
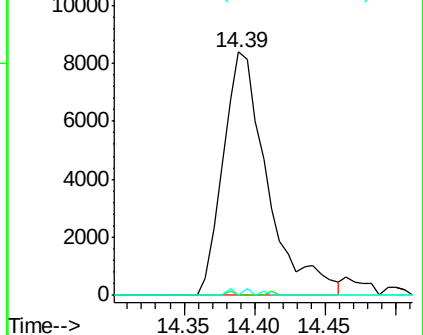
89 0.0 49.2 73.8#



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: 5.492 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.45 min

Lab File: BG034048.D

Acq: 27 Apr 2018 20:47

Tgt Ion:165 Resp: 18339

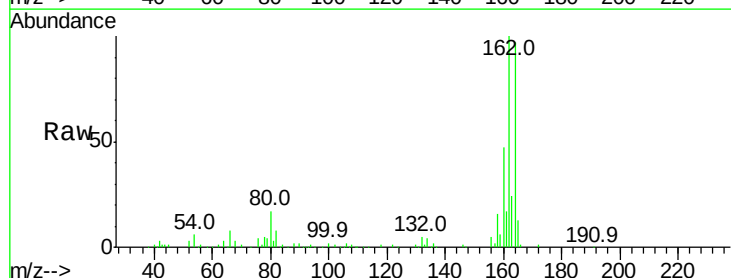
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

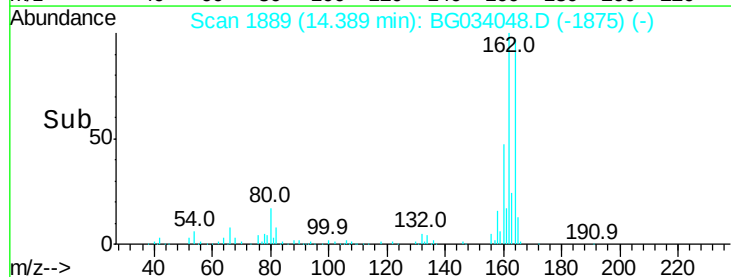
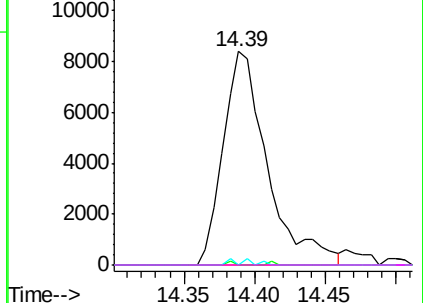


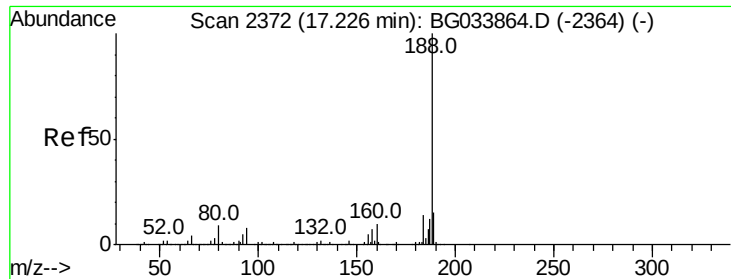
Abundance Ion 165.00 (164.70 to 165.70): E

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

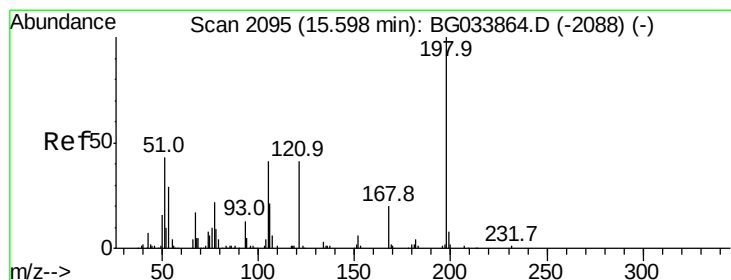
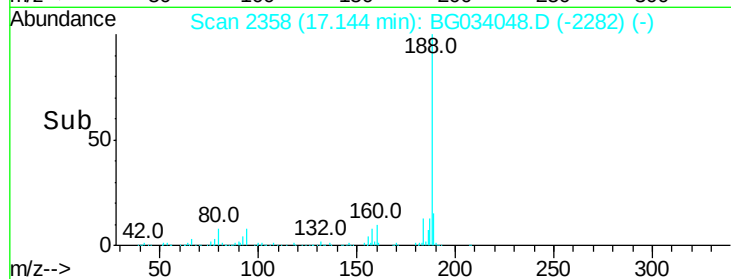
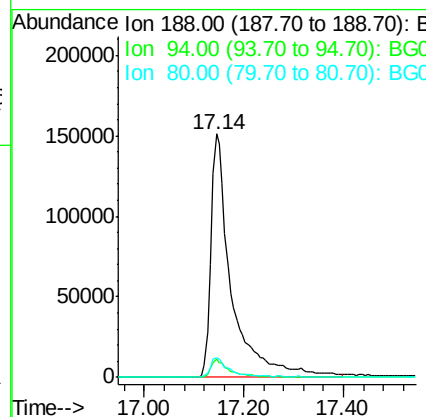
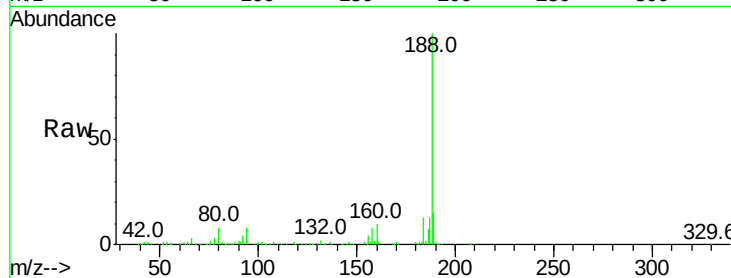




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.14 min Scan# 2358
 Delta R.T. -0.08 min
 Lab File: BG034048.D
 Acq: 27 Apr 2018 20:47

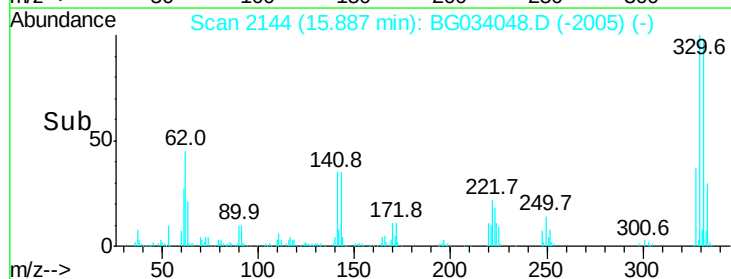
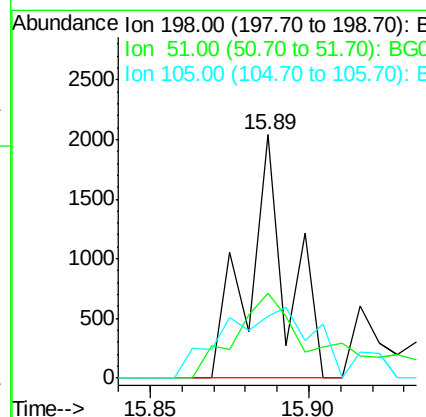
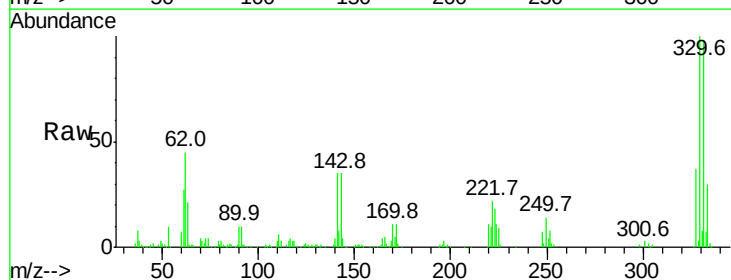
Instrument :
 BNA_G
 ClientSampleId :

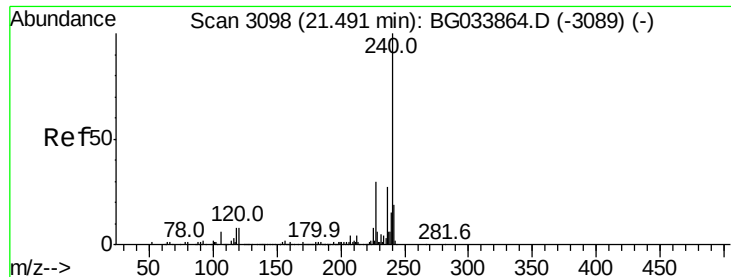
Tot Ion:188 Resp: 435929
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.9 10.3
 80 7.8 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.213 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. 0.29 min
 Lab File: BG034048.D
 Acq: 27 Apr 2018 20:47

Tgt Ion:198 Resp: 1757
 Ion Ratio Lower Upper
 198 100
 51 35.0 30.6 70.6
 105 25.3 23.8 63.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034048.D

Acq: 27 Apr 2018 20:47

Instrument :

BNA_G

ClientSampleId :

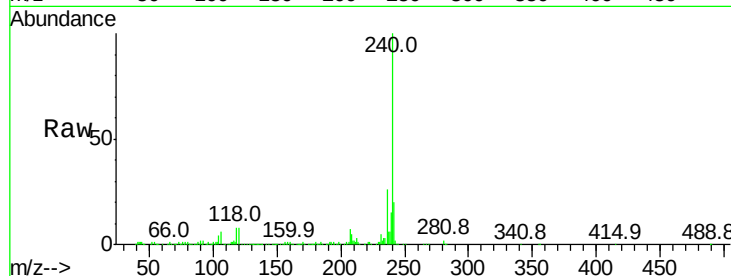
Tot Ion:240 Resp: 489338

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

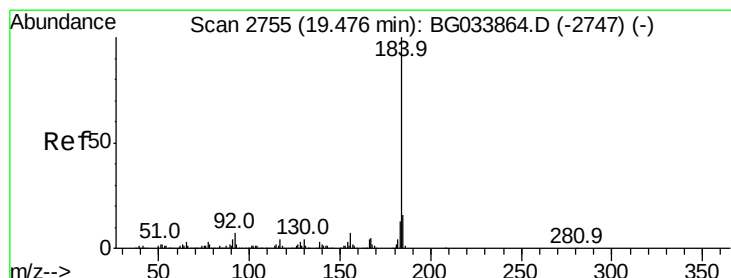
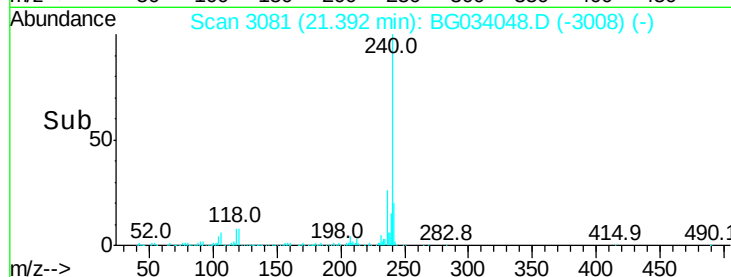
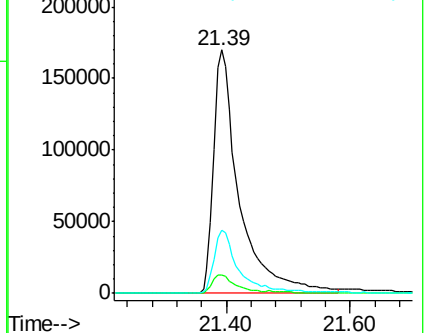
236 26.0 20.9 31.3



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



#76

Benzidine

Concen: 2.481 ng

RT: 19.78 min Scan# 2806

Delta R.T. 0.30 min

Lab File: BG034048.D

Acq: 27 Apr 2018 20:47

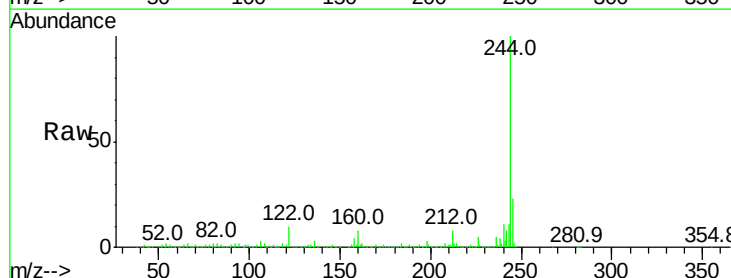
Tgt Ion:184 Resp: 32781

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

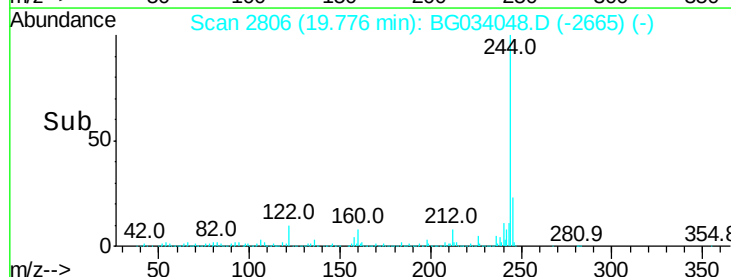
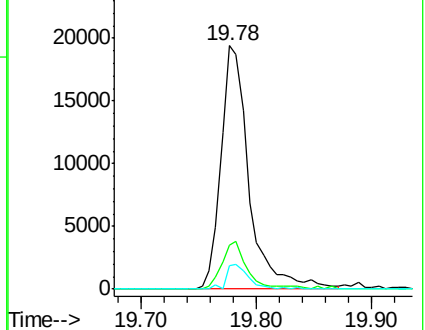
183 9.9 10.6 16.0#

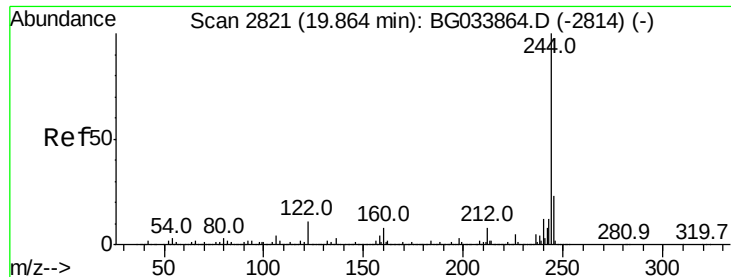


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 108.125 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034048.D

Acq: 27 Apr 2018 20:47

Instrument :

BNA_G

ClientSampleId :

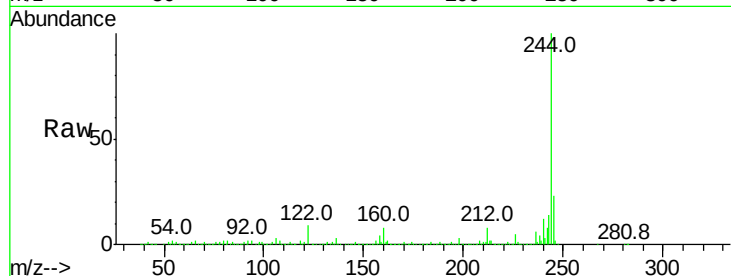
Tot Ion:244 Resp: 2355086

Ion Ratio Lower Upper

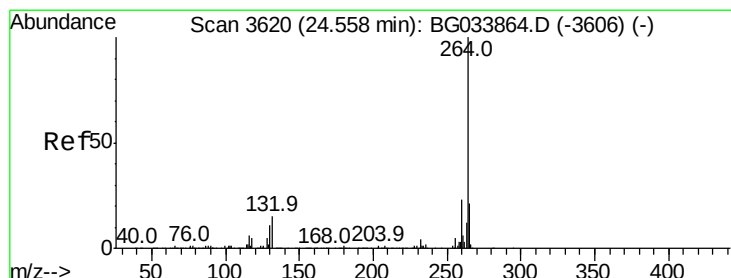
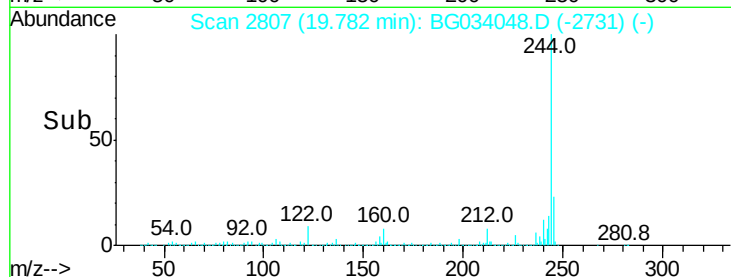
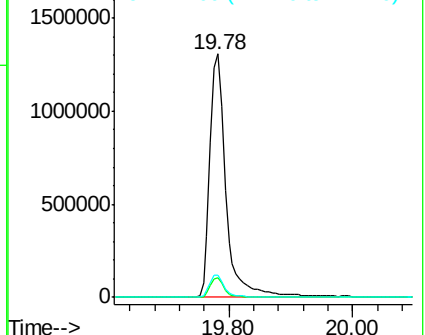
244 100

212 8.0 5.8 8.8

122 9.2 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

Perylene-d12

Concen: 20.000 ng

RT: 24.39 min Scan# 3591

Delta R.T. -0.17 min

Lab File: BG034048.D

Acq: 27 Apr 2018 20:47

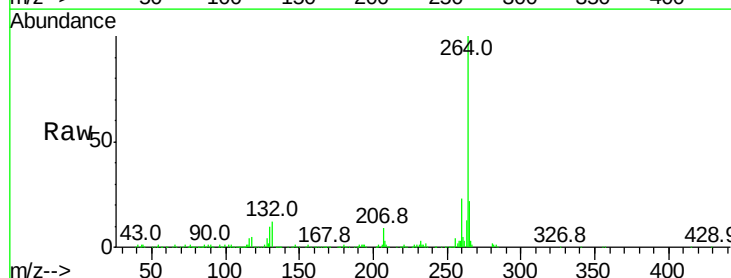
Tgt Ion:264 Resp: 478950

Ion Ratio Lower Upper

264 100

260 23.1 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

