

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034062.D
 Acq On : 28 Apr 2018 7:04
 Operator : SJ/JU
 Sample : J2572-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 02:27:00 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

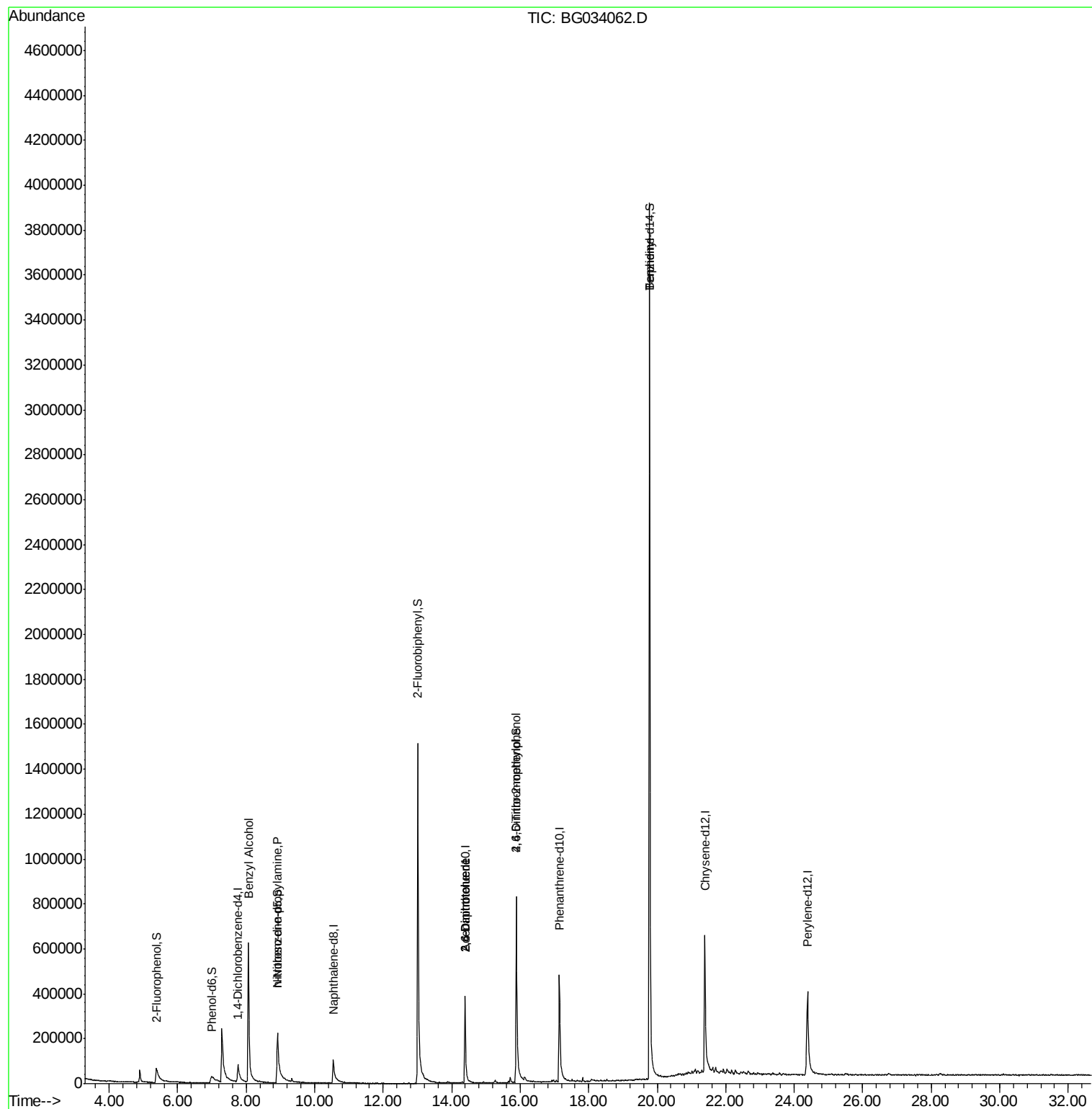
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	34904	20.00	ng	-0.08
21) Naphthalene-d8	10.54	136	216769	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	196838	20.00	ng	-0.09
63) Phenanthrene-d10	17.14	188	523962	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	578871	20.00	ng	-0.10
86) Perylene-d12	24.39	264	579530	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	90760	41.51	ng	-0.07
7) Phenol-d6	6.99	99	40502	12.70	ng	-0.02
23) Nitrobenzene-d5	8.91	82	296683	77.89	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	265389	115.57	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1271132	94.87	ng	-0.09
78) Terphenyl-d14	19.78	244	2405945	93.38	ng	-0.08
Target Compounds						
15) Benzyl Alcohol	8.06	79	6607	2.38	ng	# 47
19) n-Nitroso-di-n-propylamine	8.91	70	34437	12.67	ng	# 74
50) 2,6-Dinitrotoluene	14.39	165	24413	7.44	ng	# 20
56) 2,4-Dinitrotoluene	14.39	165	25159	5.77	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.88	198	1270	6.92	ng	# 90
76) Benzidine	19.78	184	35762	2.29	ng	# 95

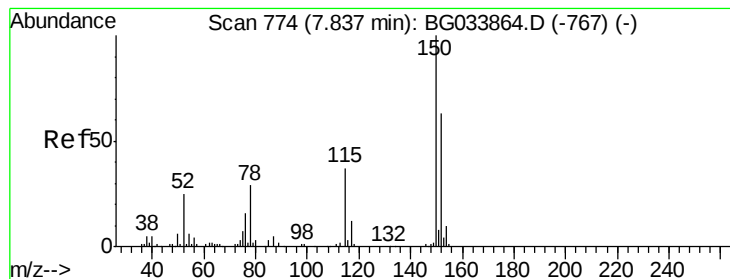
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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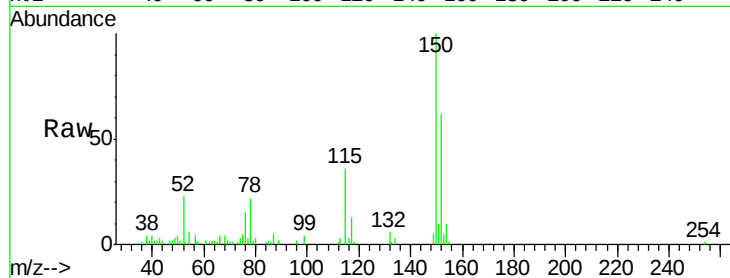


#1

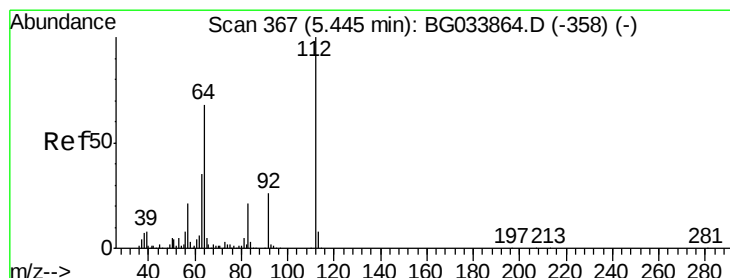
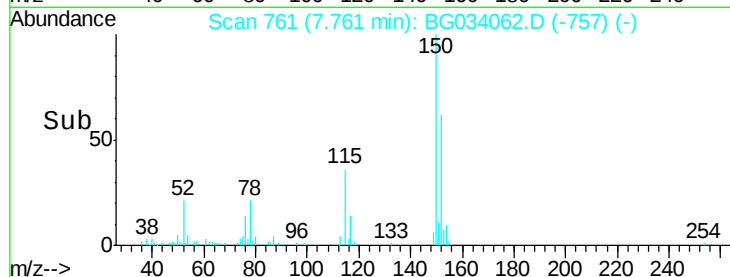
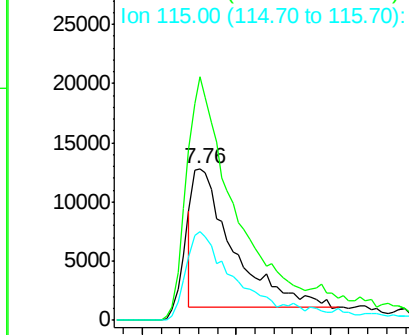
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 761
Delta R.T. -0.08 min
Lab File: BG034062.D
Acq: 28 Apr 2018 7:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	34904
Ion Ratio	Lower	Upper	
152	100		
150	160.6	126.6	189.8
115	58.5	53.0	79.4



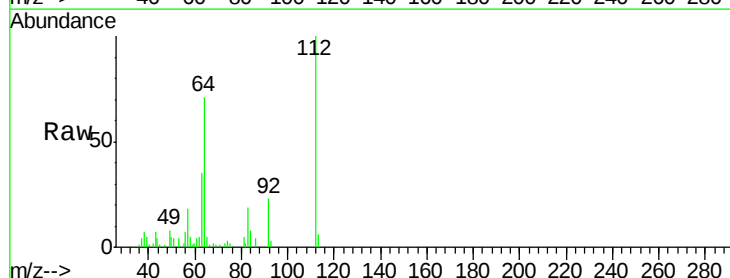
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



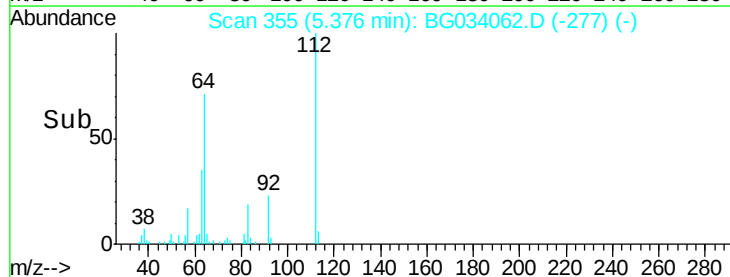
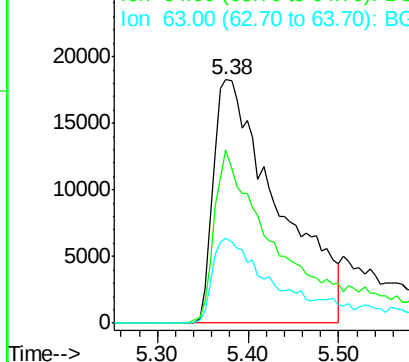
#5

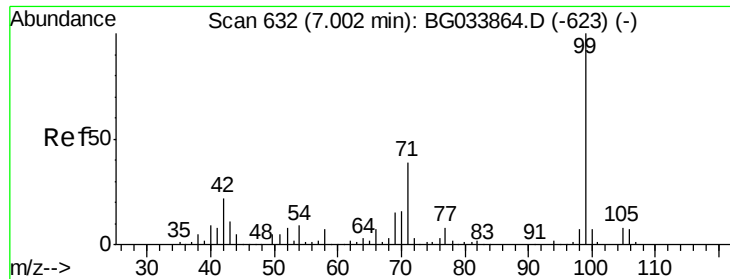
2-Fluorophenol
Concen: 41.51 ng
RT: 5.38 min Scan# 355
Delta R.T. -0.07 min
Lab File: BG034062.D
Acq: 28 Apr 2018 7:04

Tgt Ion	112	Resp	90760
Ion Ratio	Lower	Upper	
112	100		
64	71.2	56.3	84.5
63	34.9	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: 12.70 ng

RT: 6.99 min Scan# 629

Delta R.T. -0.02 min

Lab File: BG034062.D

Acq: 28 Apr 2018 7:04

Instrument :

BNA_G

ClientSampled :

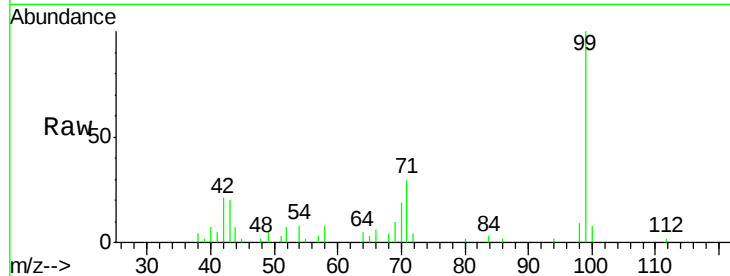
Tot Ion: 99 Resp: 40502

Ion Ratio Lower Upper

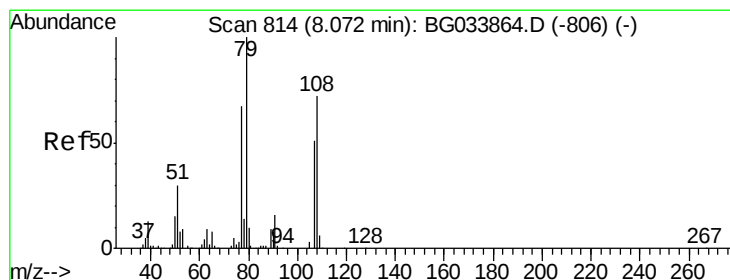
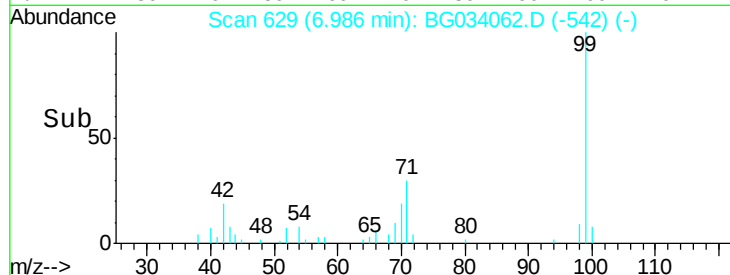
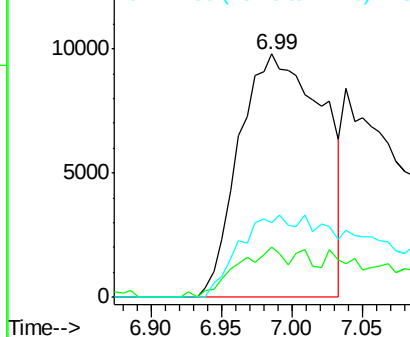
99 100

42 20.6 14.1 21.1

71 30.5 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: 2.38 ng

RT: 8.06 min Scan# 812

Delta R.T. -0.01 min

Lab File: BG034062.D

Acq: 28 Apr 2018 7:04

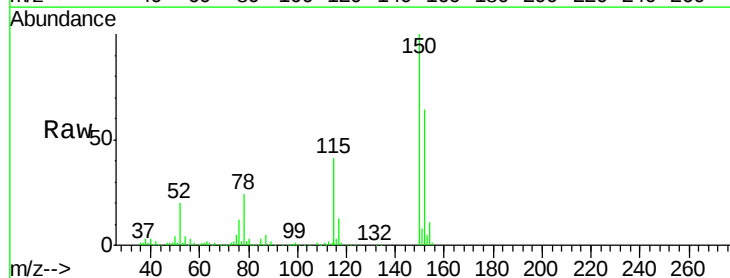
Tgt Ion: 79 Resp: 6607

Ion Ratio Lower Upper

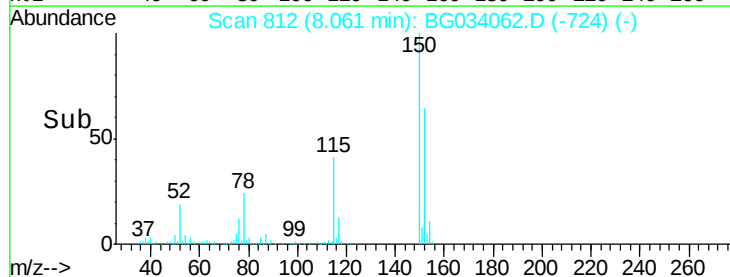
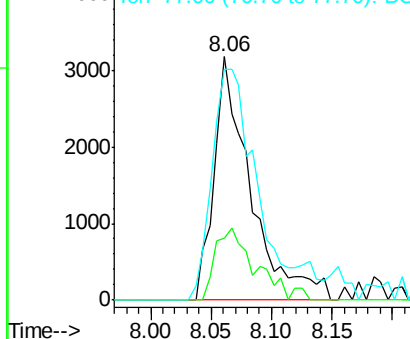
79 100

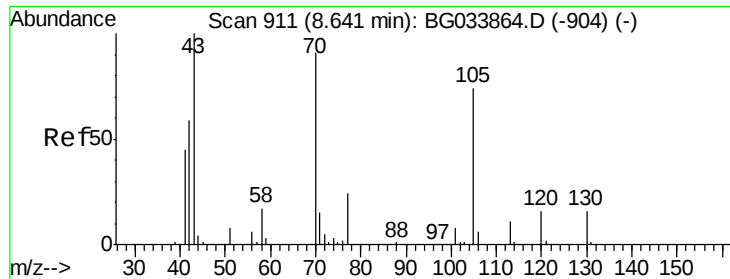
108 25.7 57.2 85.8#

77 94.6 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

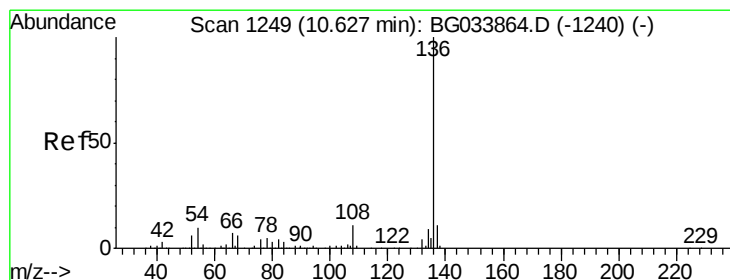
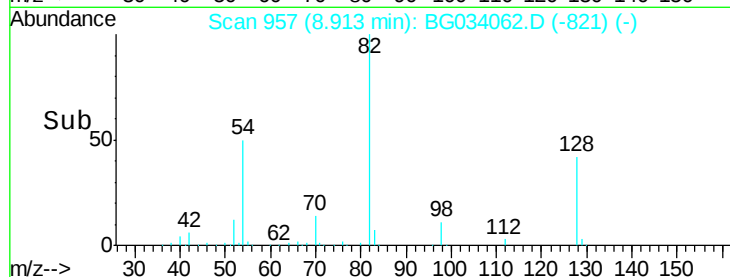
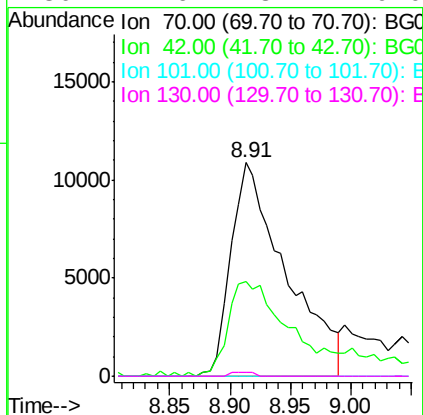
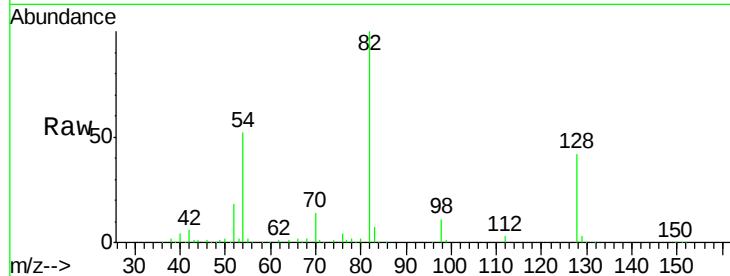




#19
n-Nitroso-di-n-propylamine
Concen: 12.67 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034062.D
Acq: 28 Apr 2018 7:04

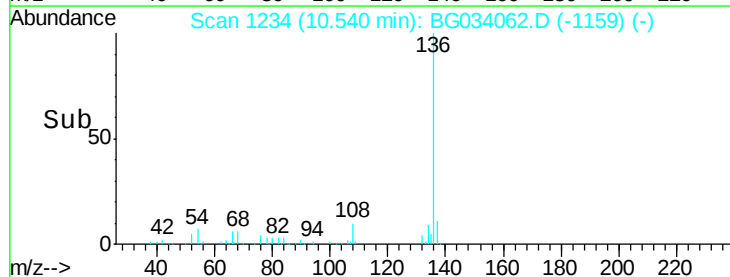
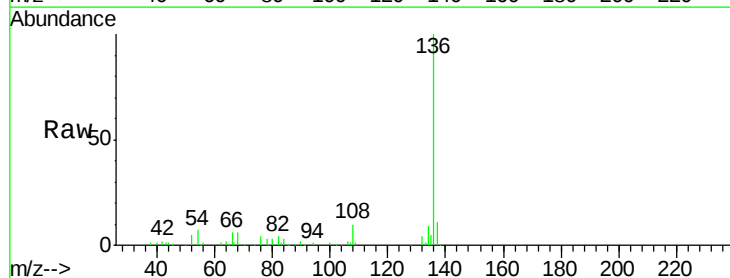
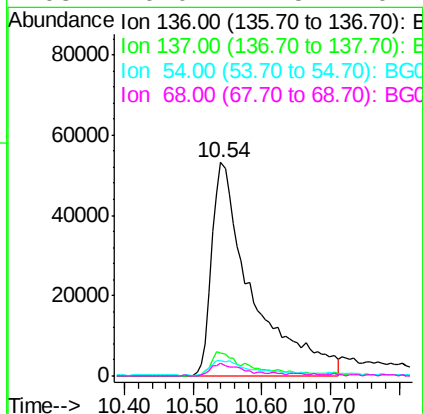
Instrument :
BNA_G
ClientSampleId :

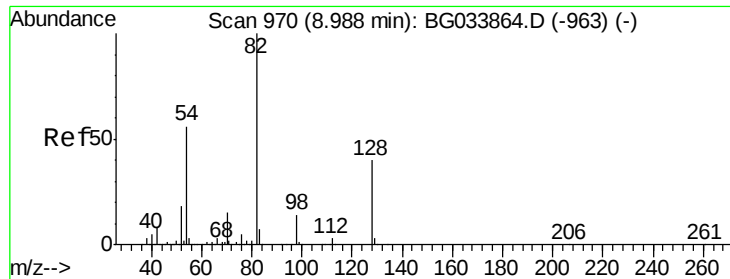
Tot Ion: 70 Resp: 34437
Ion Ratio Lower Upper
70 100
42 44.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.54 min Scan# 1234
Delta R.T. -0.09 min
Lab File: BG034062.D
Acq: 28 Apr 2018 7:04

Tgt Ion: 136 Resp: 216769
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.3 10.3 15.5#
68 6.0 4.5 6.7

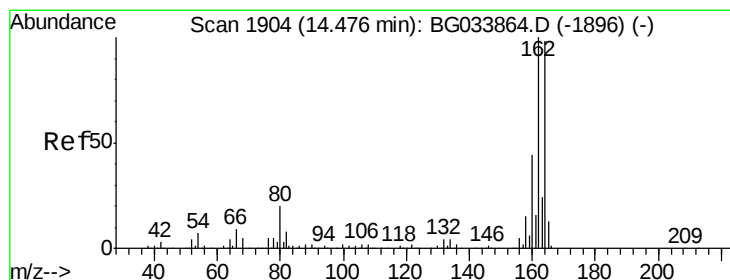
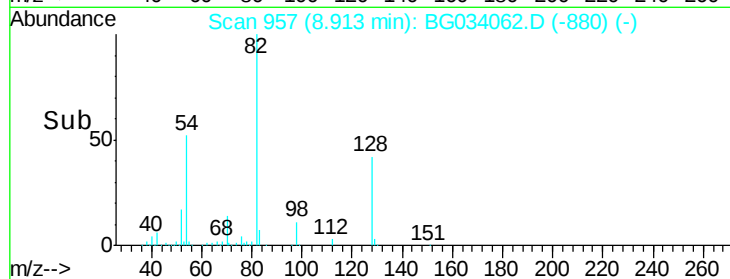
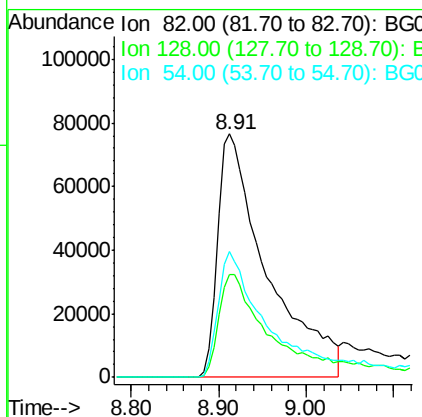
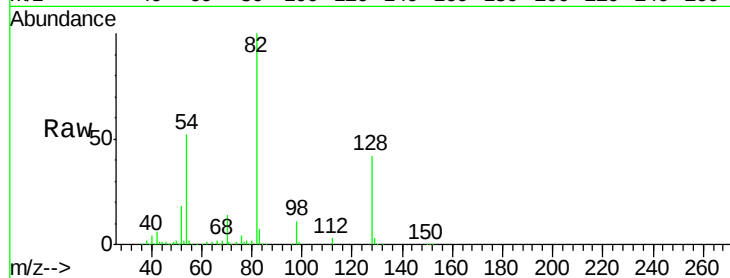




#23
 Nitrobenzene-d5
 Concen: 77.89 ng
 RT: 8.91 min Scan# 957
 Delta R.T. -0.08 min
 Lab File: BG034062.D
 Acq: 28 Apr 2018 7:04

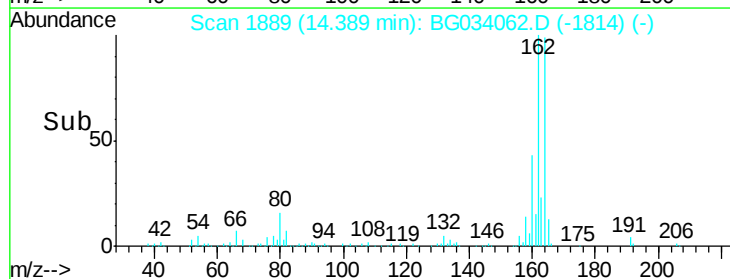
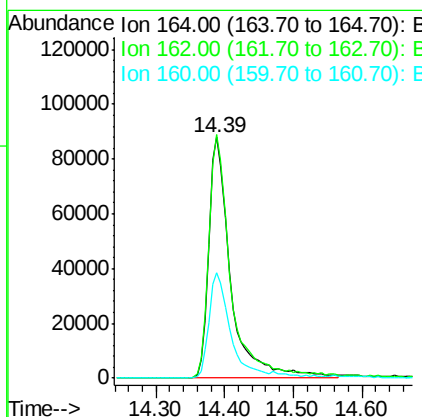
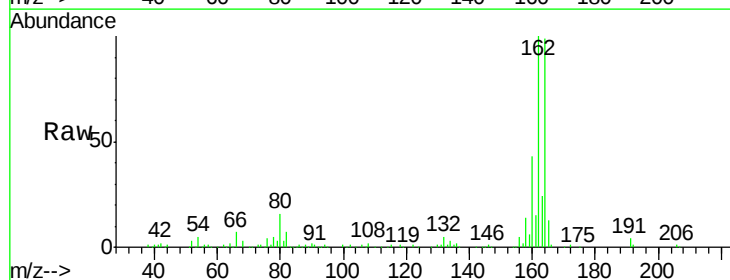
Instrument :
 BNA_G
 ClientSampled :

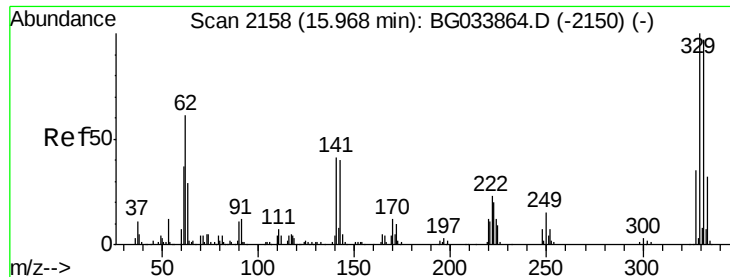
Tot Ion	82	Resp	296683
Ion Ratio	Lower	Upper	
82	100		
128	42.2	29.7	44.5
54	51.5	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. -0.09 min
 Lab File: BG034062.D
 Acq: 28 Apr 2018 7:04

Tgt Ion	164	Resp	196838
Ion Ratio	Lower	Upper	
164	100		
162	101.1	78.8	118.2
160	43.5	35.4	53.0

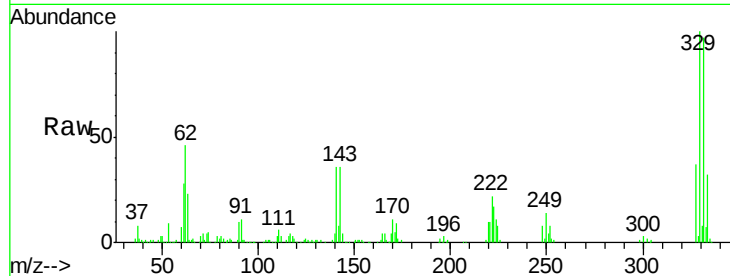




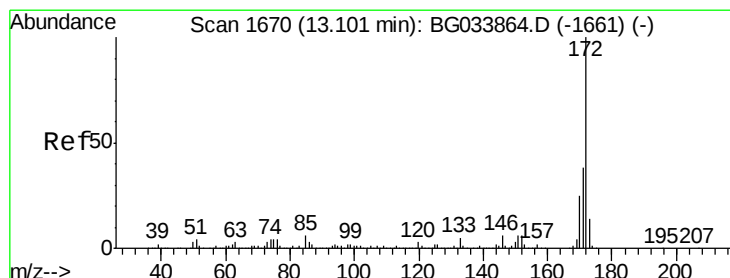
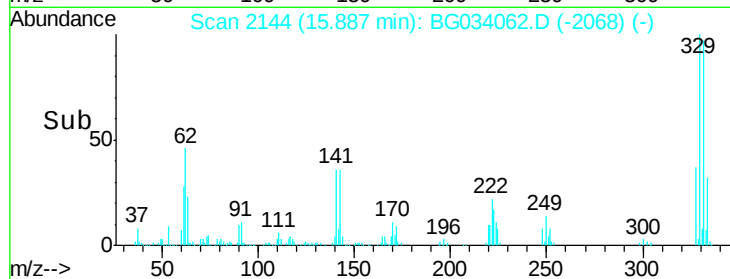
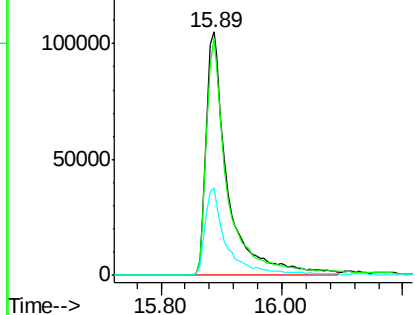
#41
 2,4,6-Tribromophenol
 Concen: 115.57 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034062.D
 Acq: 28 Apr 2018 7:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	34.6	25.2	37.8

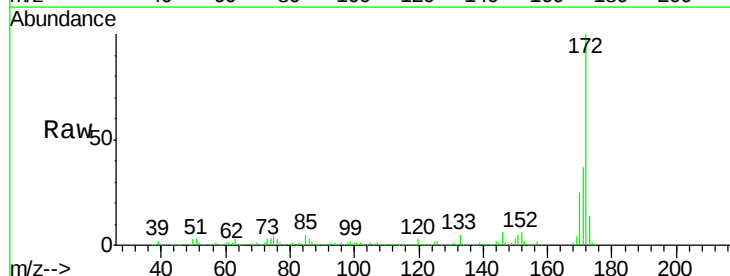


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

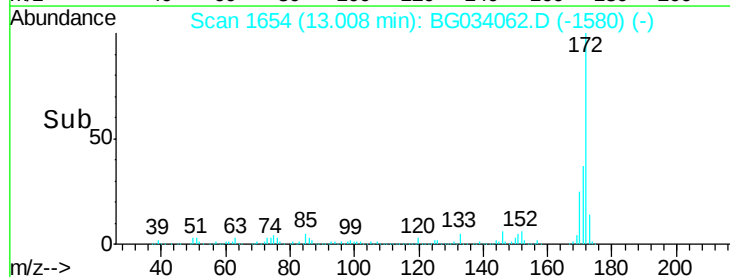
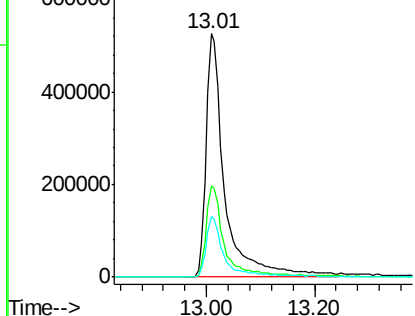


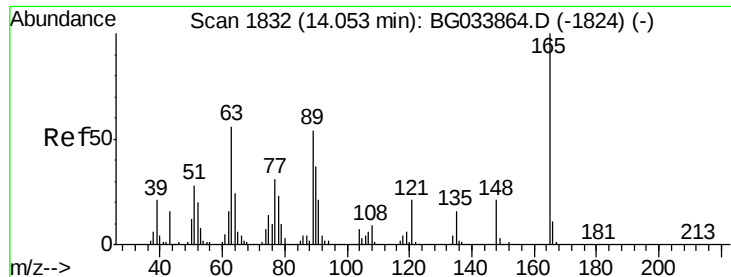
#44
 2-Fluorobiphenyl
 Concen: 94.87 ng
 RT: 13.01 min Scan# 1654
 Delta R.T. -0.09 min
 Lab File: BG034062.D
 Acq: 28 Apr 2018 7:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	24.8	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: 7.44 ng

RT: 14.39 min Scan# 1889

Delta R.T. 0.34 min

Lab File: BG034062.D

Acq: 28 Apr 2018 7:04

Instrument :

BNA_G

ClientSampleId :

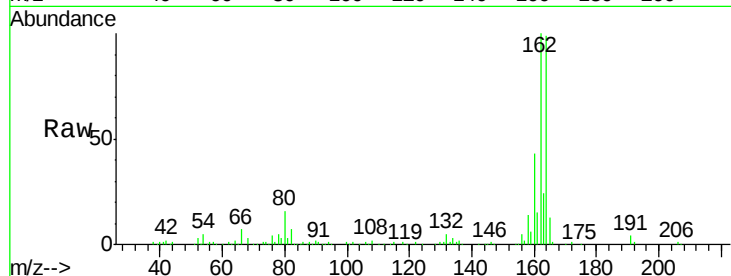
Tot Ion:165 Resp: 24413

Ion Ratio Lower Upper

165 100

63 1.5 52.7 79.1#

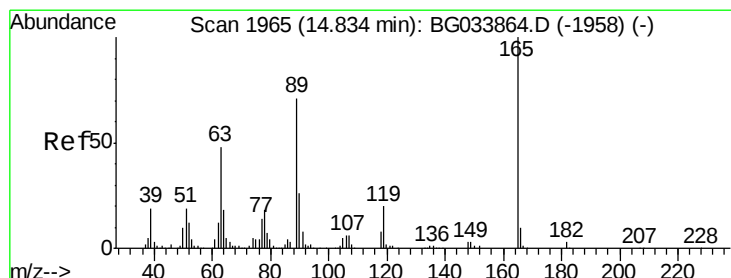
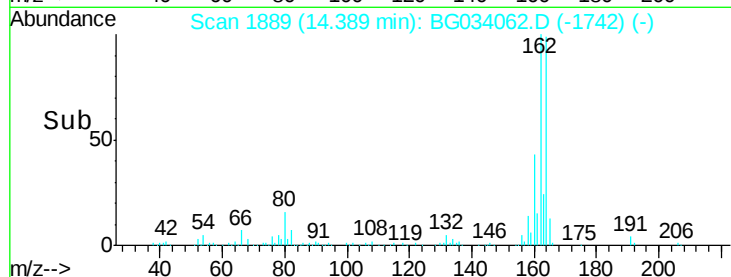
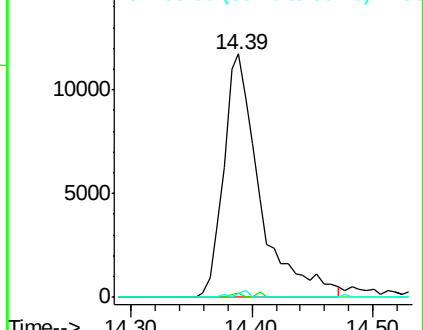
89 1.8 49.2 73.8#



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: 5.77 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.45 min

Lab File: BG034062.D

Acq: 28 Apr 2018 7:04

Tgt Ion:165 Resp: 25159

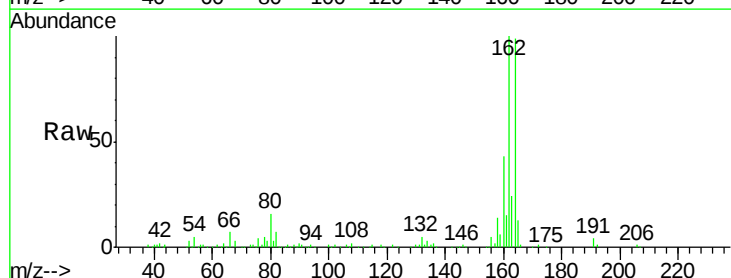
Ion Ratio Lower Upper

165 100

63 1.5 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

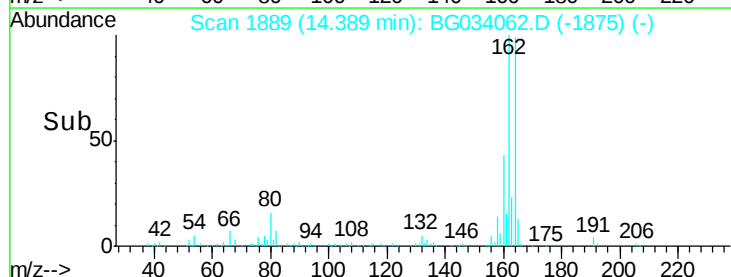
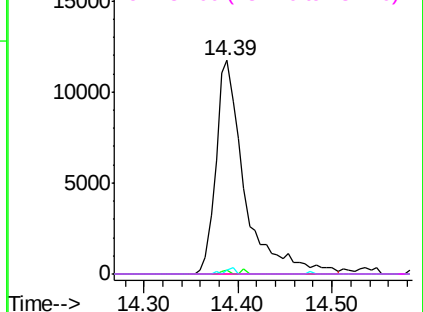


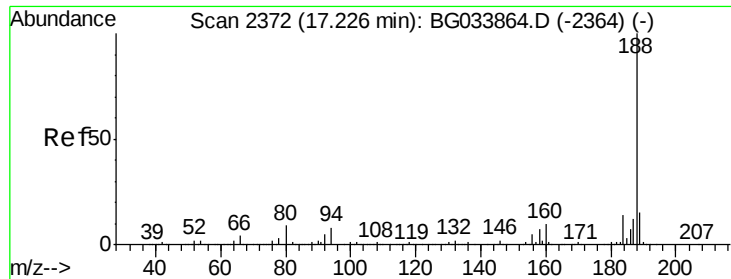
Abundance Ion 165.00 (164.70 to 165.70): E

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

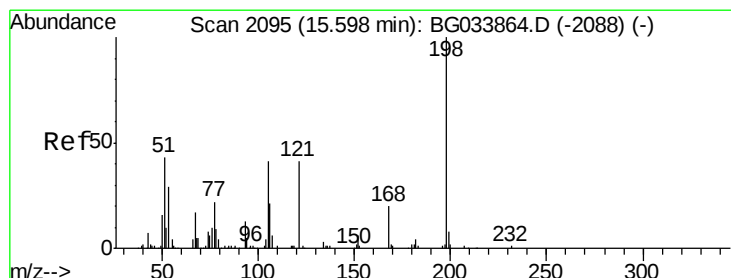
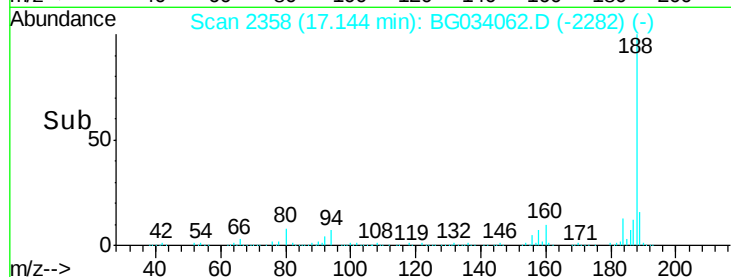
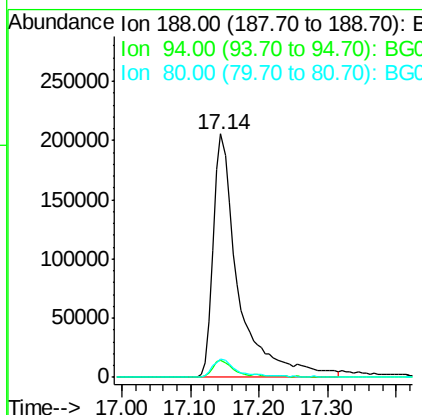
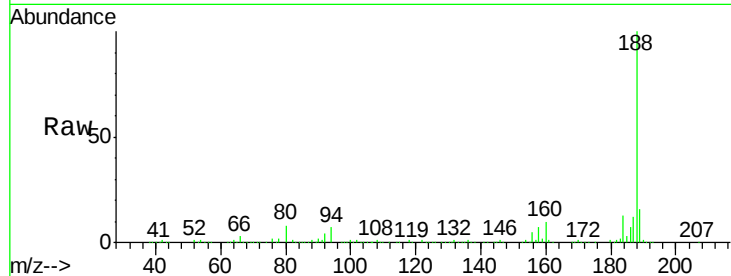




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.14 min Scan# 2358
 Delta R.T. -0.08 min
 Lab File: BG034062.D
 Acq: 28 Apr 2018 7:04

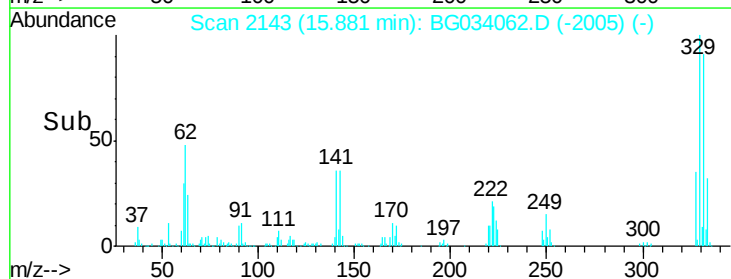
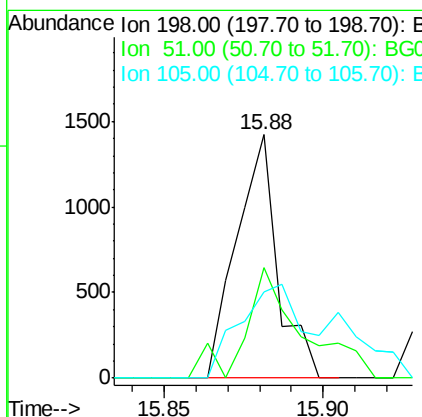
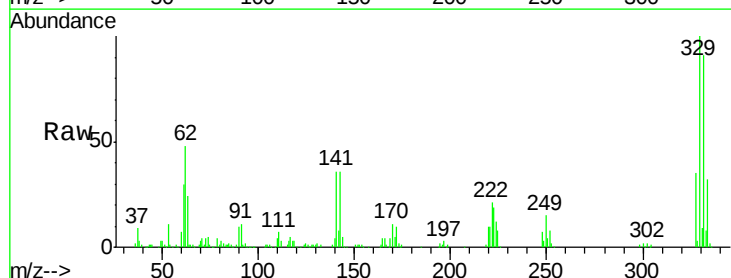
Instrument :
 BNA_G
 ClientSampleId :

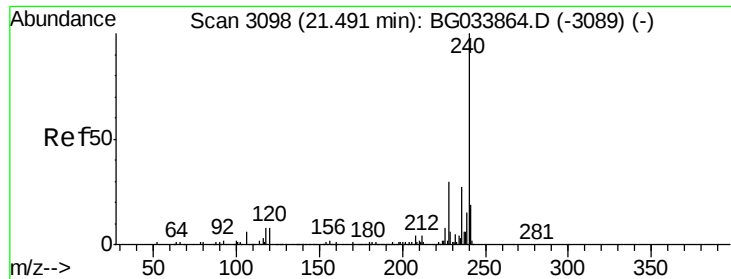
Tot Ion:188 Resp: 523962
 Ion Ratio Lower Upper
 188 100
 94 6.8 6.9 10.3#
 80 7.7 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.92 ng
 RT: 15.88 min Scan# 2143
 Delta R.T. 0.28 min
 Lab File: BG034062.D
 Acq: 28 Apr 2018 7:04

Tgt Ion:198 Resp: 1270
 Ion Ratio Lower Upper
 198 100
 51 45.2 30.6 70.6
 105 35.4 23.8 63.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034062.D

Acq: 28 Apr 2018 7:04

Instrument :

BNA_G

ClientSampleId :

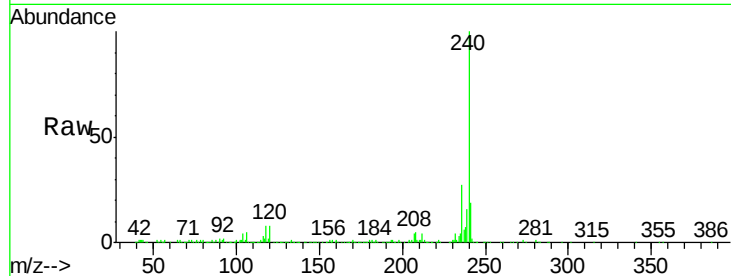
Tot Ion:240 Resp: 578871

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

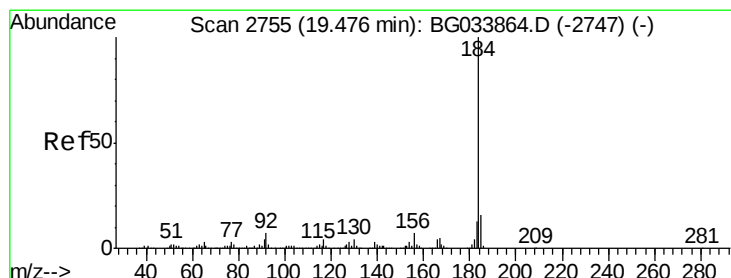
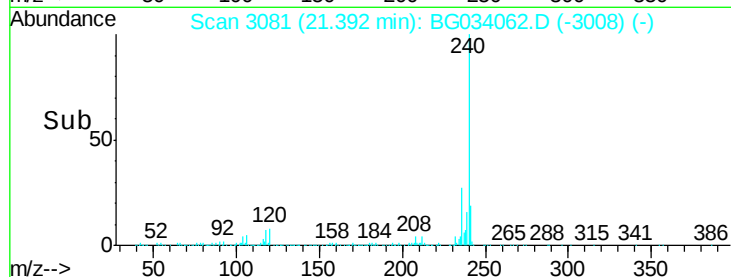
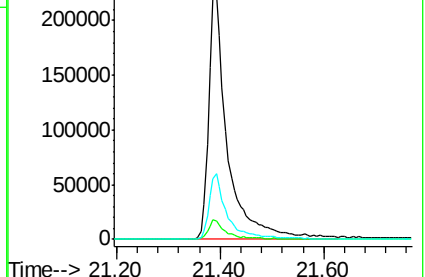
236 26.8 20.9 31.3



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: 2.29 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.31 min

Lab File: BG034062.D

Acq: 28 Apr 2018 7:04

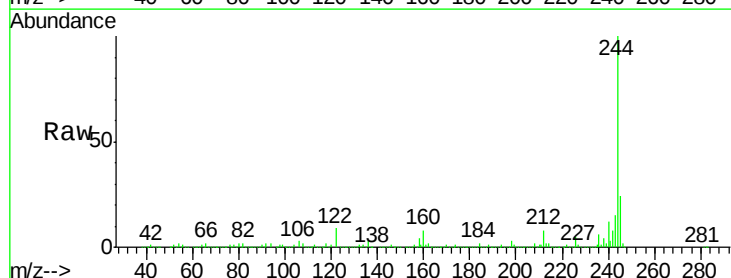
Tgt Ion:184 Resp: 35762

Ion Ratio Lower Upper

184 100

185 14.8 11.1 16.7

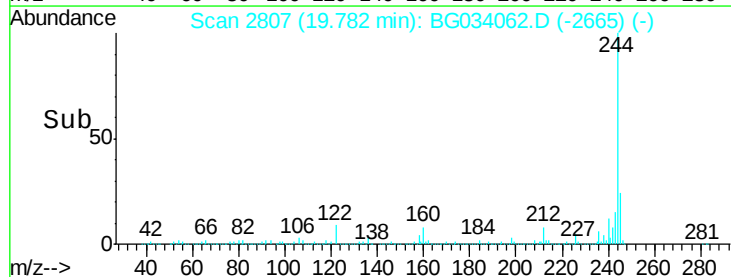
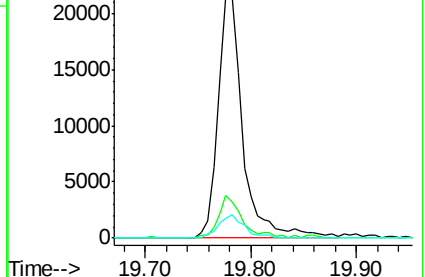
183 9.8 10.6 16.0#

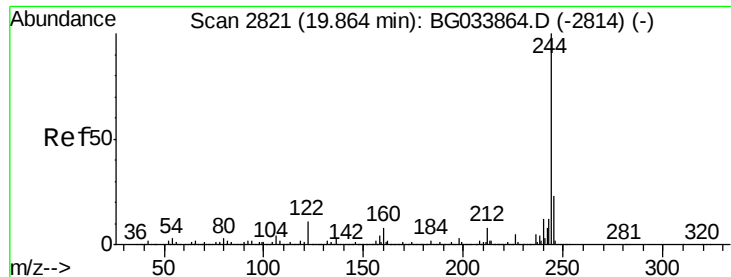


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

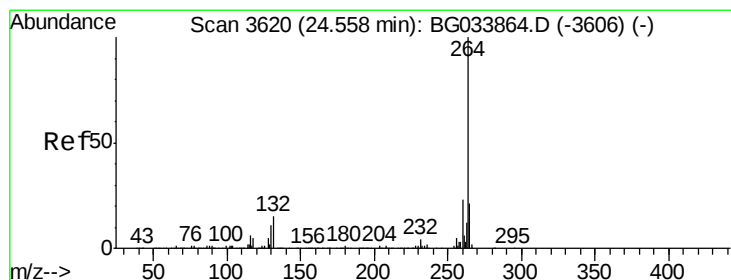
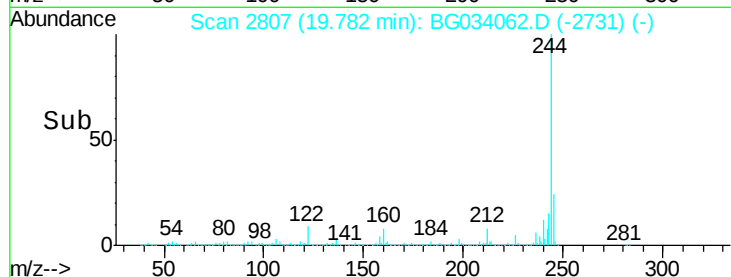
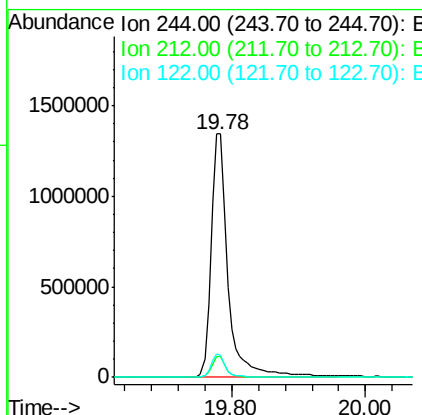
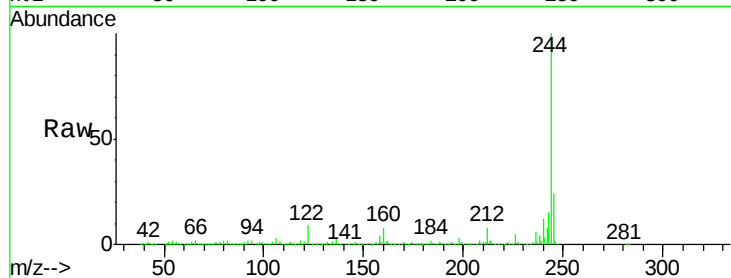




#78
 Terphenyl-d14
 Concen: 93.38 ng
 RT: 19.78 min Scan# 2807
 Delta R.T. -0.08 min
 Lab File: BG034062.D
 Acq: 28 Apr 2018 7:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2405945
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.8 8.8
 122 9.3 7.0 10.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.39 min Scan# 3591
 Delta R.T. -0.17 min
 Lab File: BG034062.D
 Acq: 28 Apr 2018 7:04

Tgt Ion:264 Resp: 579530
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.4 26.0
 265 22.5 17.7 26.5

