

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033926.D
 Acq On : 23 Apr 2018 18:28
 Operator : SJ/JU
 Sample : J2492-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 03:20:34 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

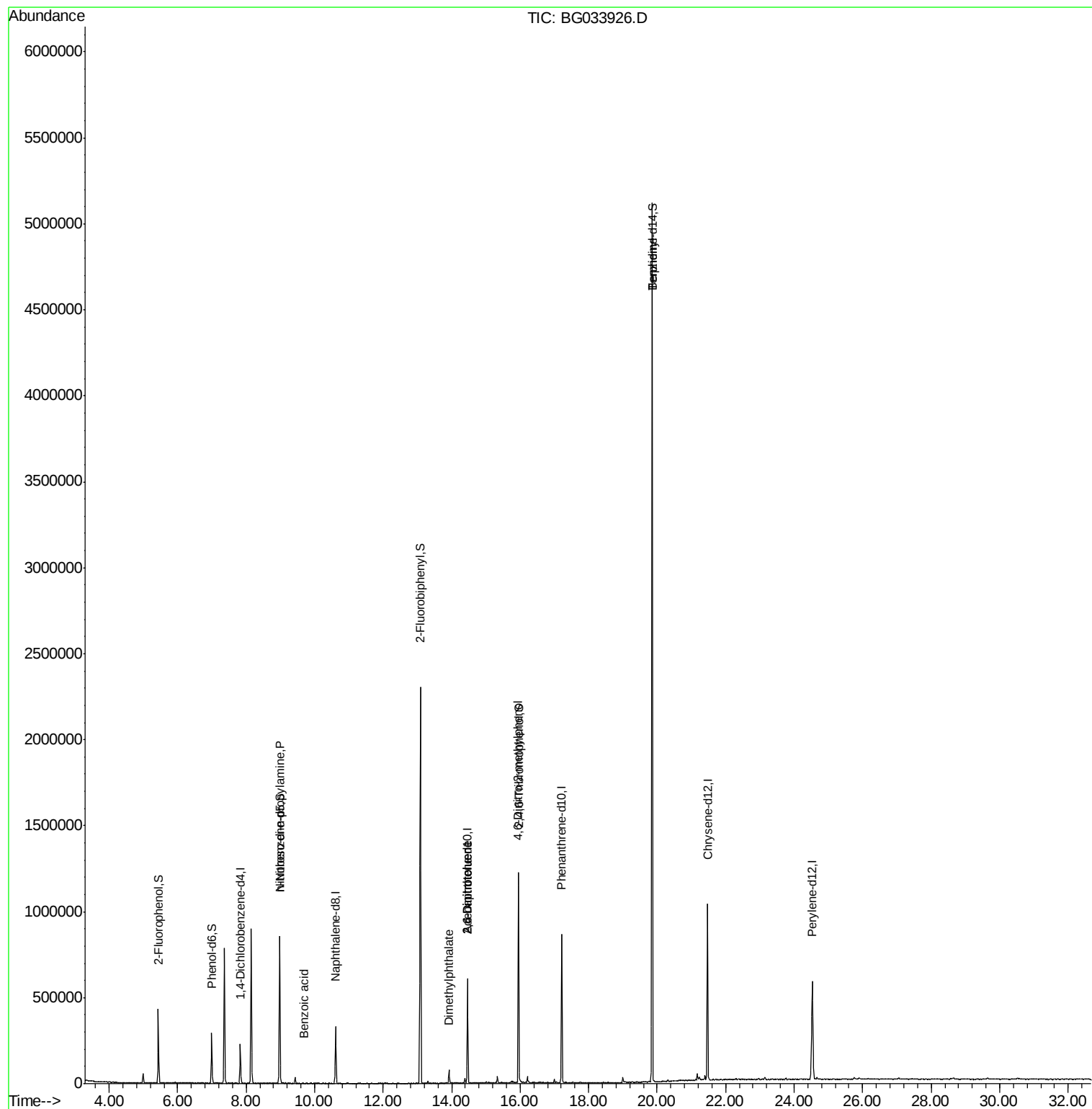
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	63932	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	283801	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	200320	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	542277	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	581267	20.00	ng	-0.02
86) Perylene-d12	24.52	264	587080	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	179719	44.88	ng	0.00
7) Phenol-d6	6.99	99	160916	27.55	ng	0.00
23) Nitrobenzene-d5	8.98	82	511682	102.61	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	222057	95.02	ng	-0.02
44) 2-Fluorobiphenyl	13.09	172	1223891	89.75	ng	-0.02
78) Terphenyl-d14	19.85	244	2341071	90.48	ng	0.00
Target Compounds						
9) Benzaldehyde	6.98	77	236	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.98	70	69704	14.001 ng	#	5
32) Benzoic acid	9.68	122	54	5.096 ng	#	1
49) Dimethylphthalate	13.92	163	50178	2.848 ng	#	99
50) 2,6-Dinitrotoluene	14.46	165	26875	8.048 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	26875	6.052 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.94	198	1079	6.847 ng		87
76) Benzydine	19.85	184	40549	2.583 ng	#	95

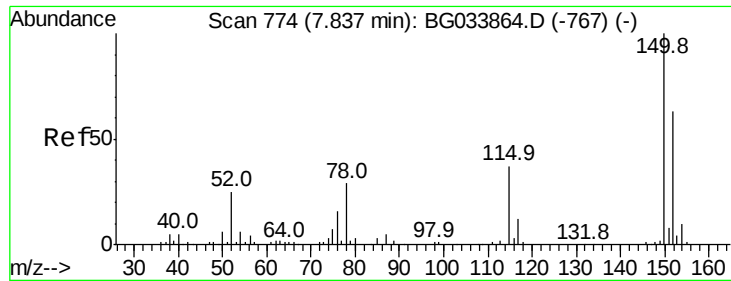
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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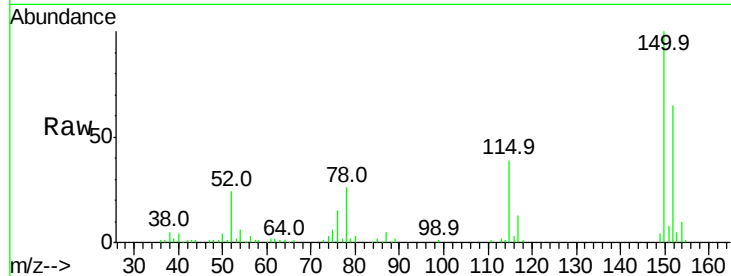


#1

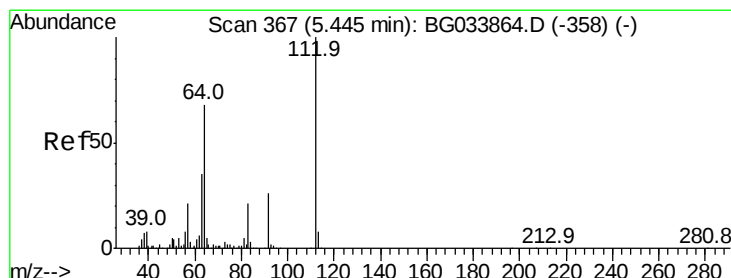
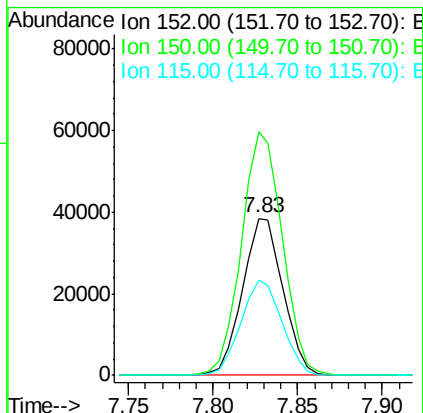
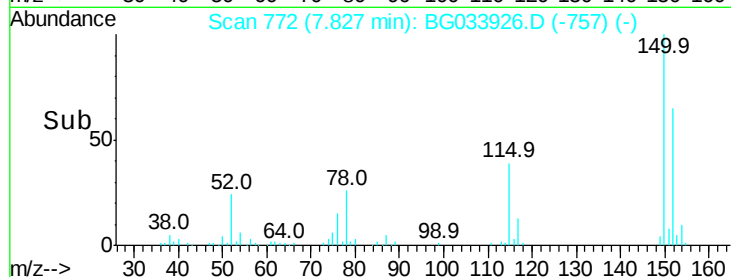
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG033926.D
Acq: 23 Apr 2018 18:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63932
Ion Ratio Lower Upper
152 100
150 155.0 126.6 189.8
115 60.3 53.0 79.4



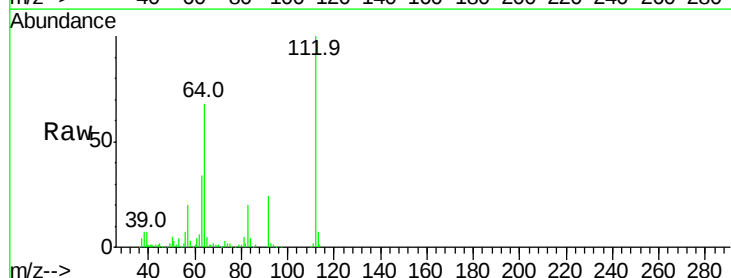
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



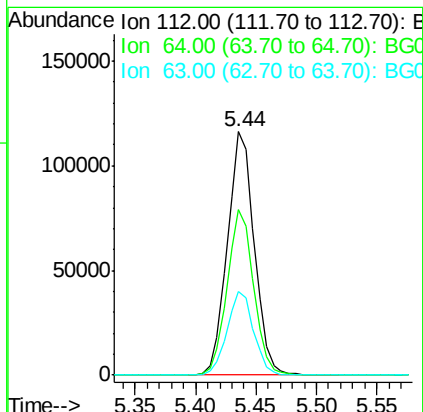
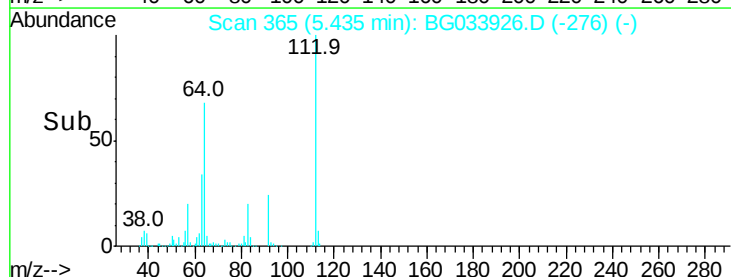
#5

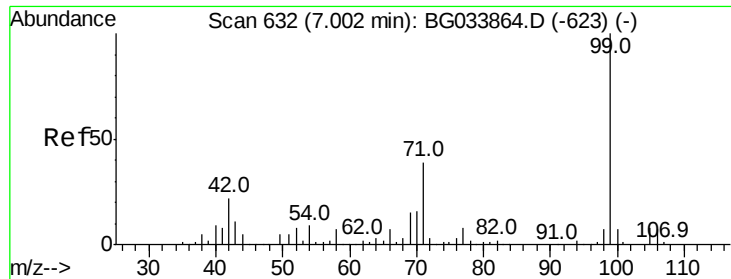
2-Fluorophenol
Concen: 44.880 ng
RT: 5.44 min Scan# 365
Delta R.T. -0.01 min
Lab File: BG033926.D
Acq: 23 Apr 2018 18:28

Tgt Ion:112 Resp: 179719
Ion Ratio Lower Upper
112 100
64 68.0 56.3 84.5
63 34.5 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: 27.551 ng

RT: 6.99 min Scan# 630

Delta R.T. -0.01 min

Lab File: BG033926.D

Acq: 23 Apr 2018 18:28

Instrument :

BNA_G

ClientSampled :

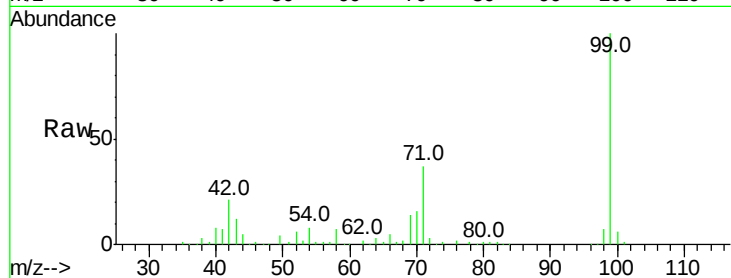
Tot Ion: 99 Resp: 160916

Ion Ratio Lower Upper

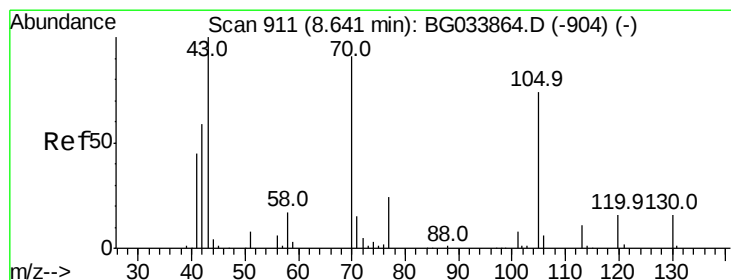
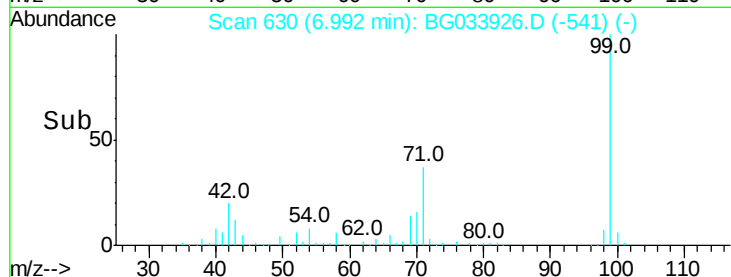
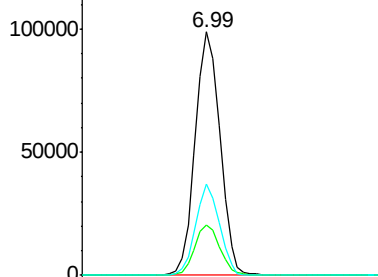
99 100

42 20.5 14.1 21.1

71 37.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.001 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.34 min

Lab File: BG033926.D

Acq: 23 Apr 2018 18:28

Tgt Ion: 70 Resp: 69704

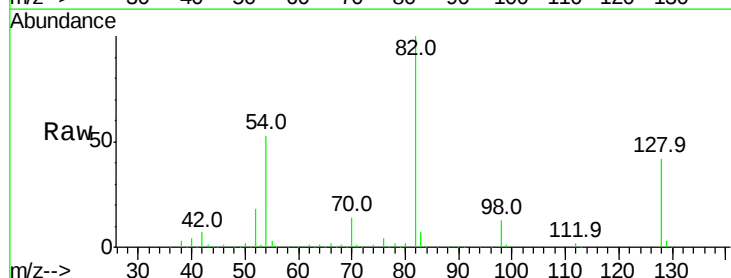
Ion Ratio Lower Upper

70 100

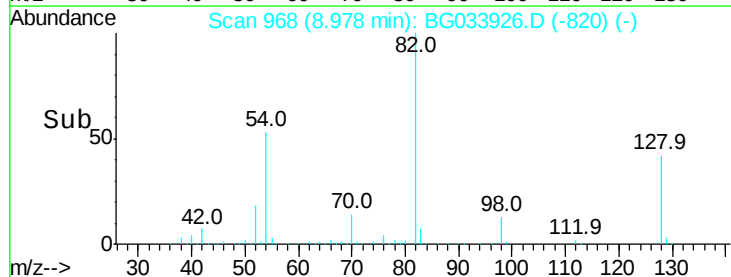
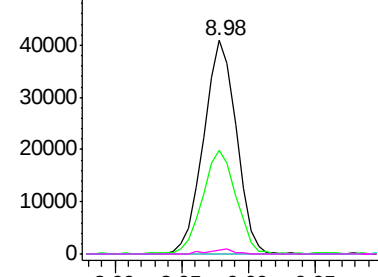
42 48.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

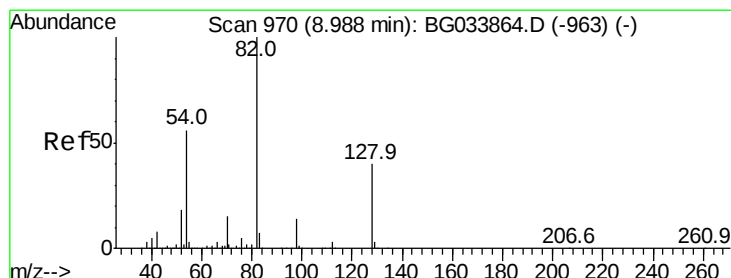
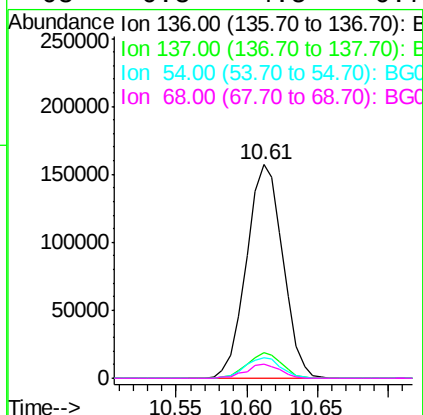
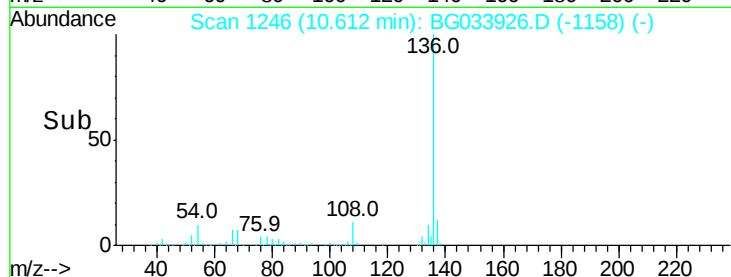
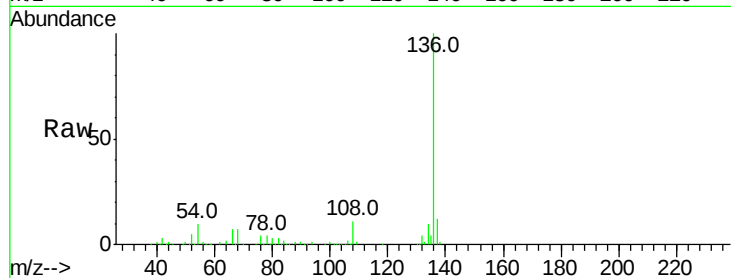




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033926.D
Acq: 23 Apr 2018 18:28

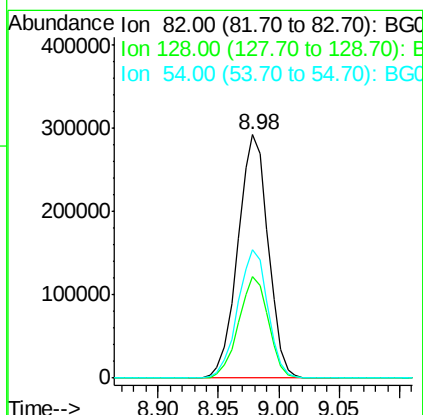
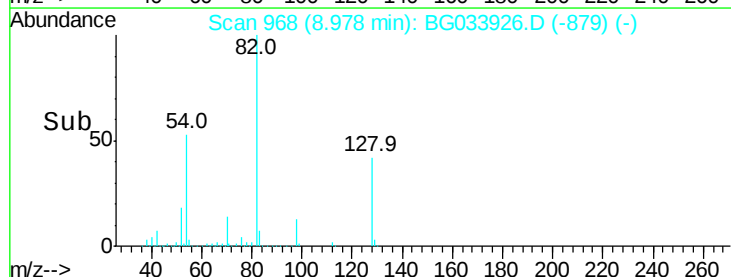
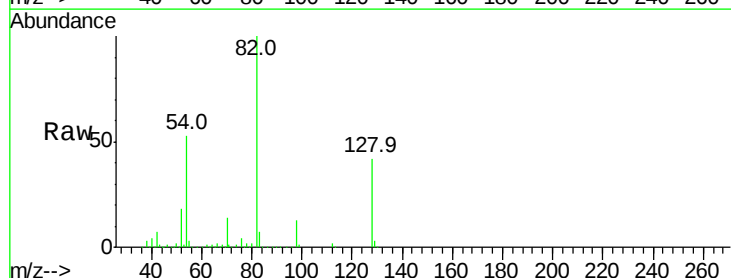
Instrument :
BNA_G
ClientSampleId :

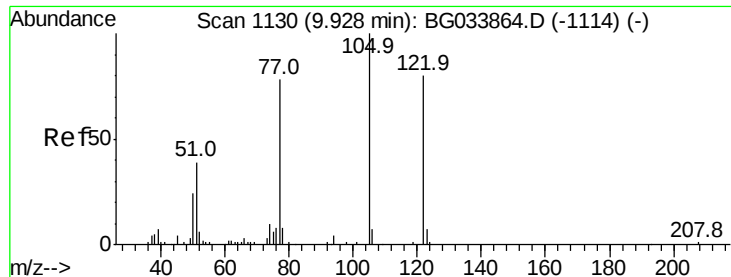
Tot Ion:	136	Resp:	283801
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	9.7	10.3	15.5#
68	6.8	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 102.606 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033926.D
Acq: 23 Apr 2018 18:28

Tgt Ion:	82	Resp:	511682
Ion	Ratio	Lower	Upper
82	100		
128	41.6	29.7	44.5
54	52.6	43.1	64.7

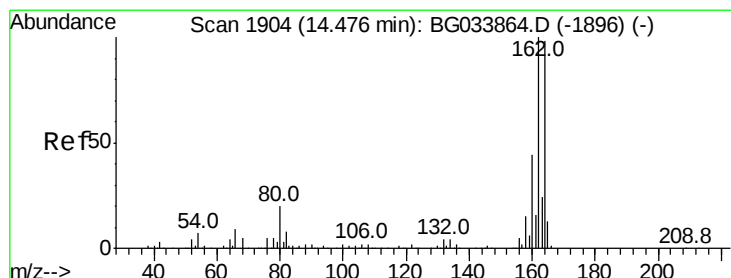
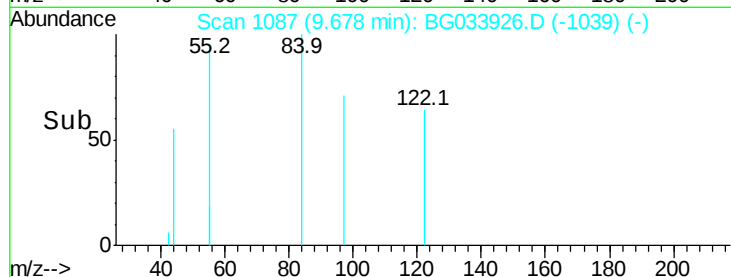
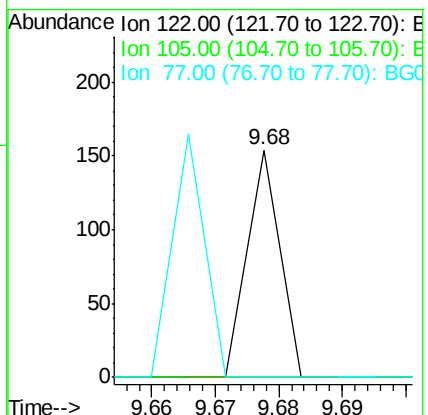
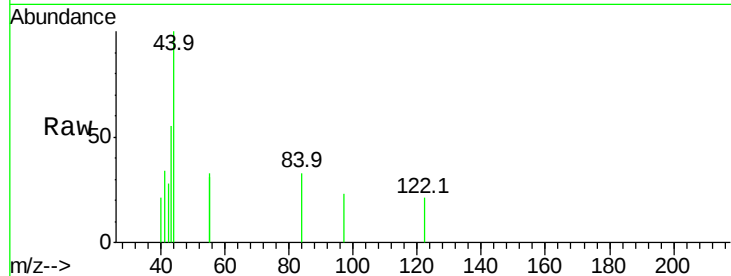




#32
Benzoic acid
Concen: 5.096 ng
RT: 9.68 min Scan# 1087
Delta R.T. -0.25 min
Lab File: BG033926.D
Acq: 23 Apr 2018 18:28

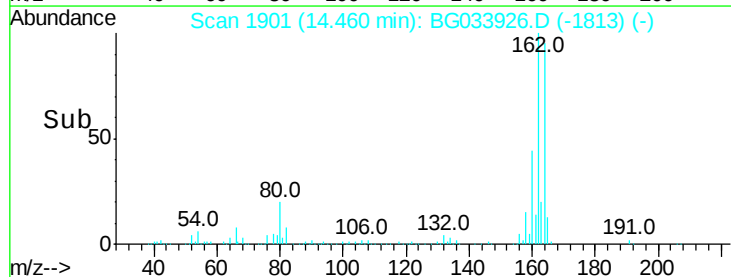
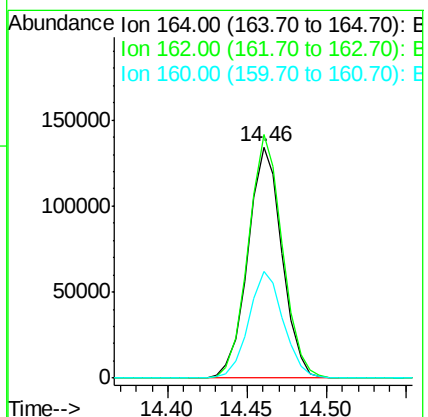
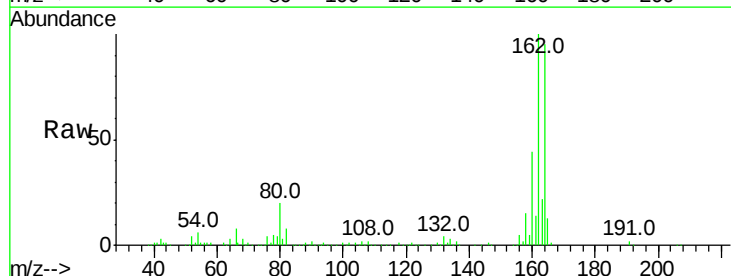
Instrument :
BNA_G
ClientSampleId :

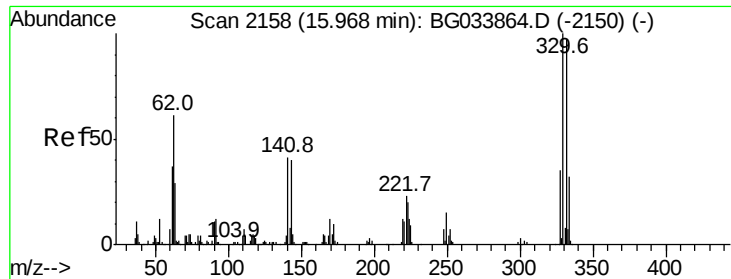
Tot Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BG033926.D
Acq: 23 Apr 2018 18:28

Tgt Ion:164 Resp: 200320
Ion Ratio Lower Upper
164 100
162 105.5 78.8 118.2
160 46.1 35.4 53.0

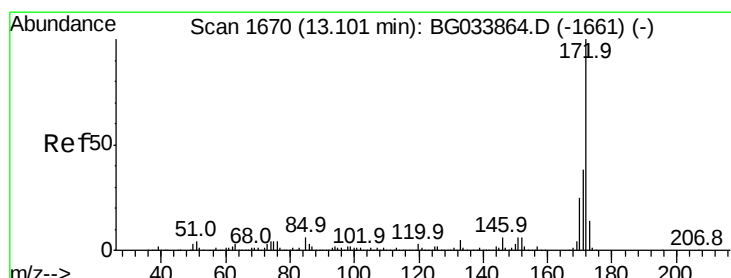
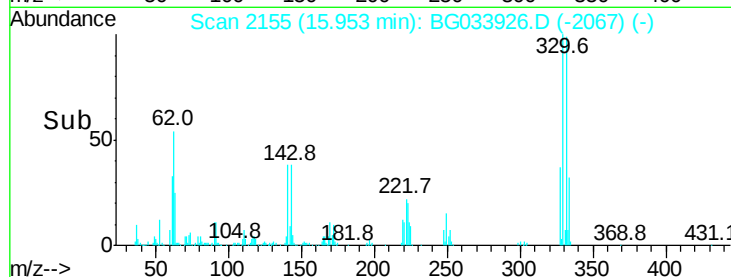
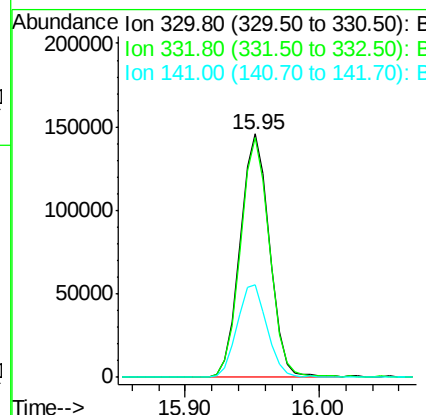
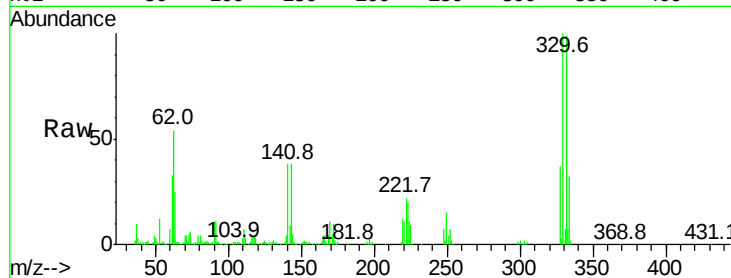




#41
 2,4,6-Tribromophenol
 Concen: 95.016 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033926.D
 Acq: 23 Apr 2018 18:28

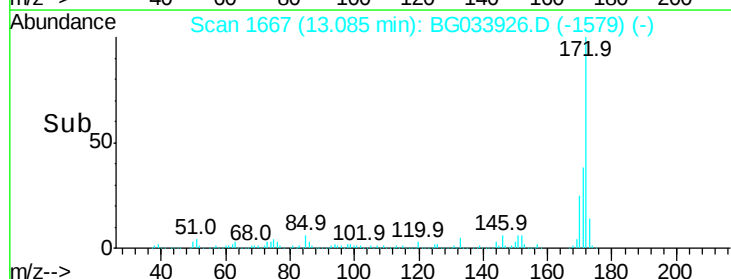
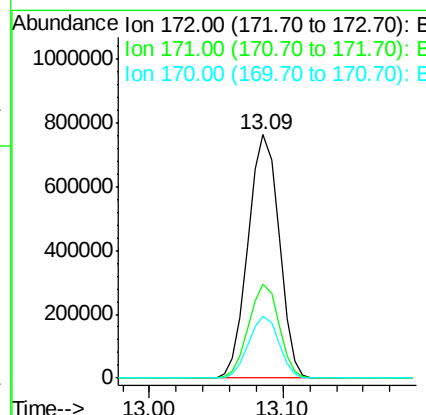
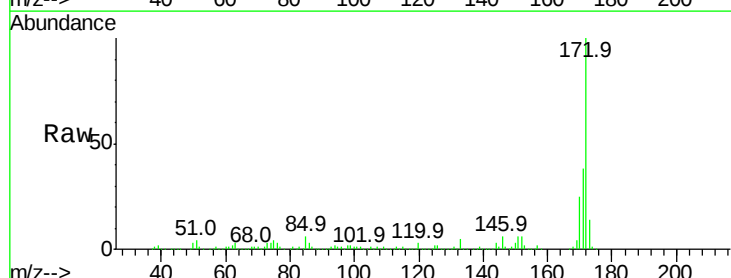
Instrument :
 BNA_G
 ClientSampleId :

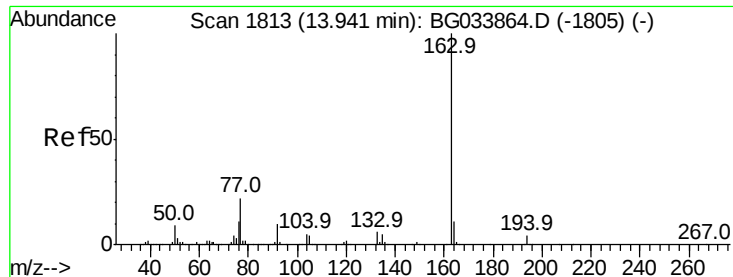
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	39.0	25.2	37.8#



#44
 2-Fluorobiphenyl
 Concen: 89.753 ng
 RT: 13.09 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033926.D
 Acq: 23 Apr 2018 18:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	25.3	19.5	29.3





#49

Dimethylphthalate

Concen: 2.848 ng

RT: 13.92 min Scan# 1809

Delta R.T. -0.02 min

Lab File: BG033926.D

Acq: 23 Apr 2018 18:28

Instrument :

BNA_G

ClientSampleId :

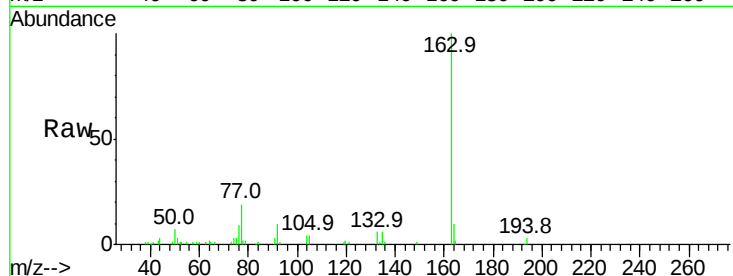
Tot Ion:163 Resp: 50178

Ion Ratio Lower Upper

163 100

194 3.2 3.4 5.2#

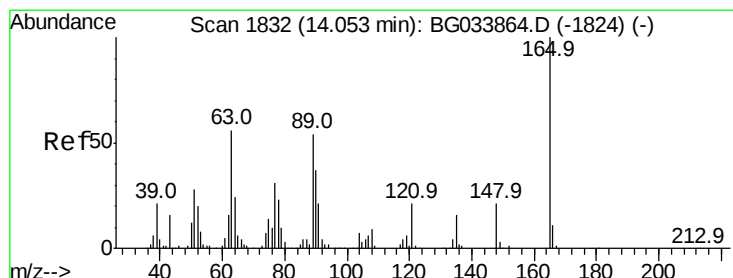
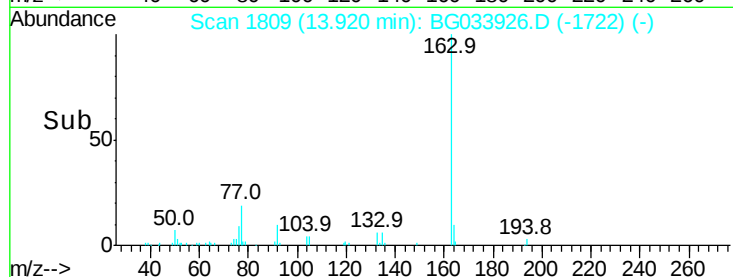
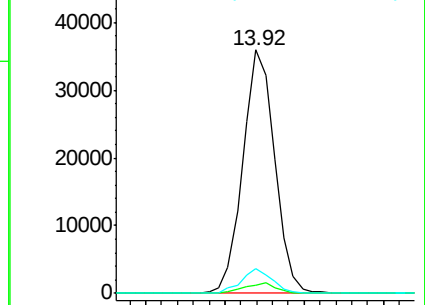
164 10.4 8.2 12.4



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: 8.048 ng

RT: 14.46 min Scan# 1901

Delta R.T. 0.41 min

Lab File: BG033926.D

Acq: 23 Apr 2018 18:28

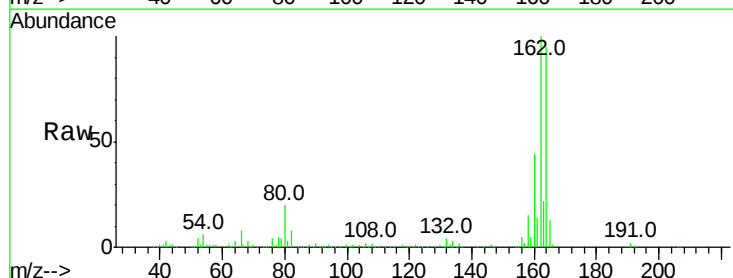
Tgt Ion:165 Resp: 26875

Ion Ratio Lower Upper

165 100

63 2.0 52.7 79.1#

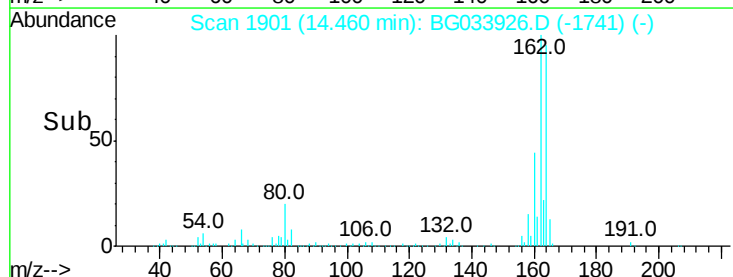
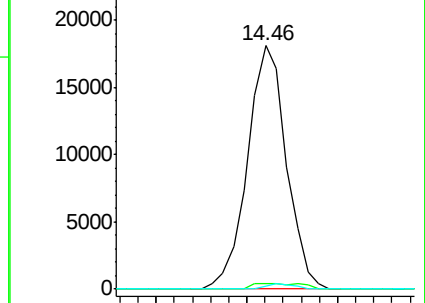
89 1.2 49.2 73.8#

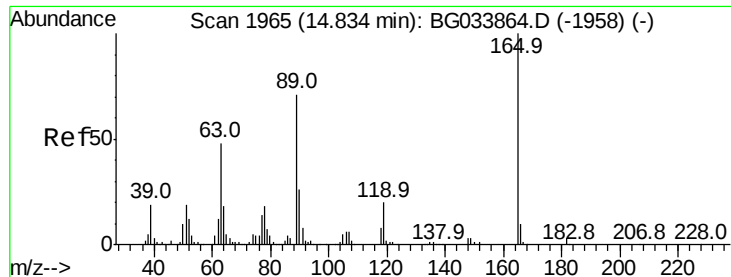


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

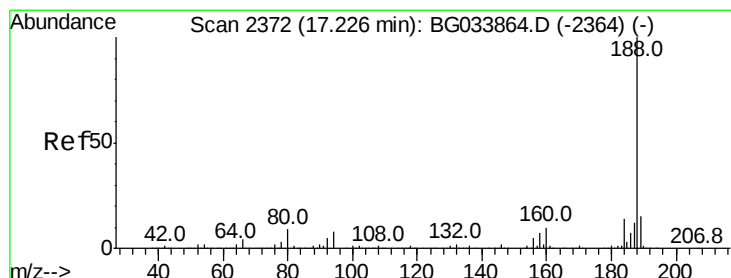
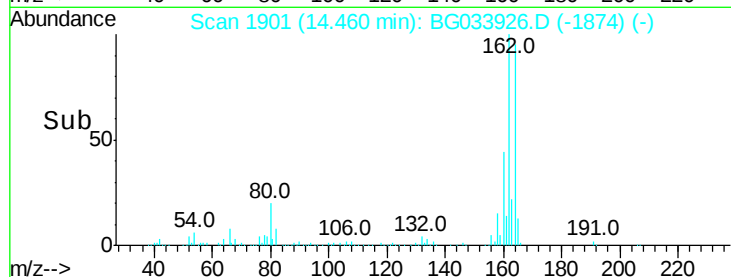
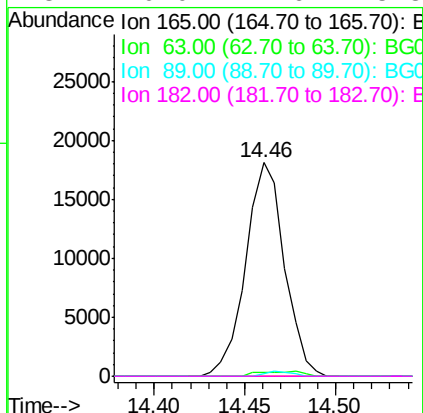
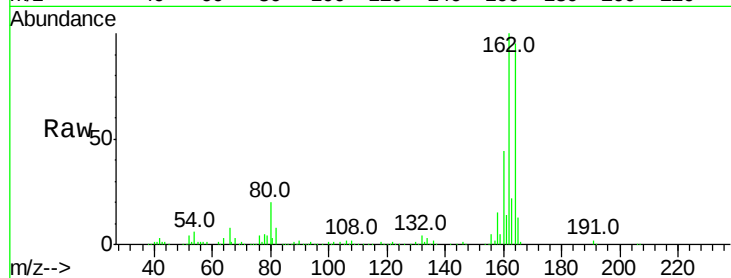




#56
 2,4-Dinitrotoluene
 Concen: 6.052 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.37 min
 Lab File: BG033926.D
 Acq: 23 Apr 2018 18:28

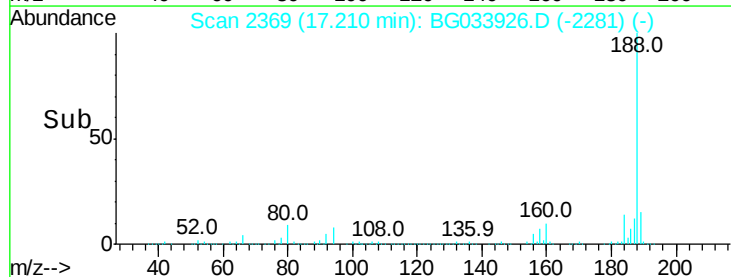
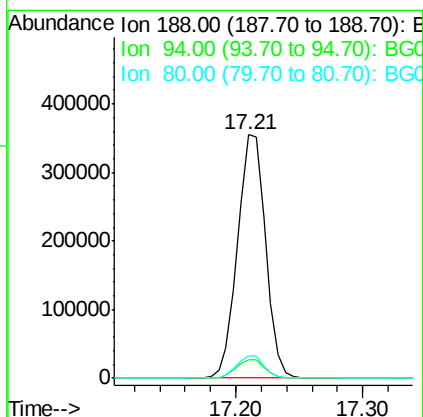
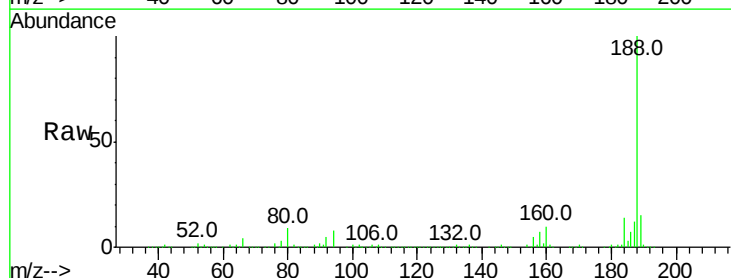
Instrument :
 BNA_G
 ClientSampled :

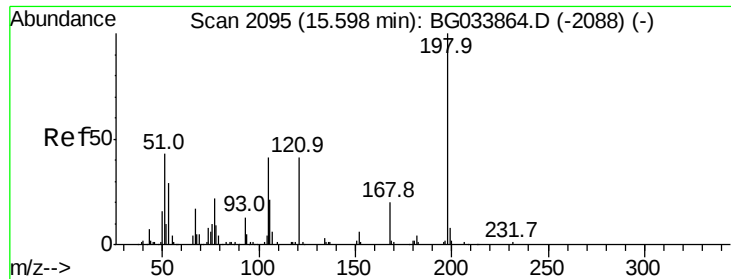
Tot Ion:165 Resp: 26875
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.0 63.0#
 89 1.2 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033926.D
 Acq: 23 Apr 2018 18:28

Tgt Ion:188 Resp: 542277
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.9 10.3
 80 9.2 7.7 11.5

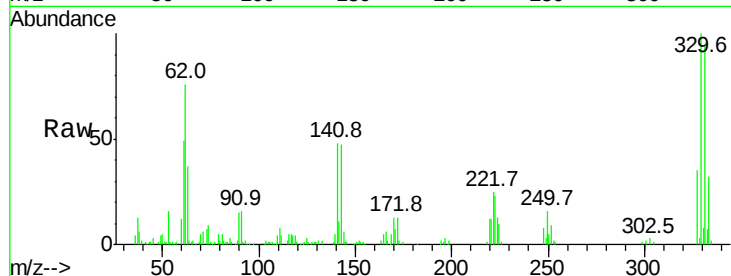




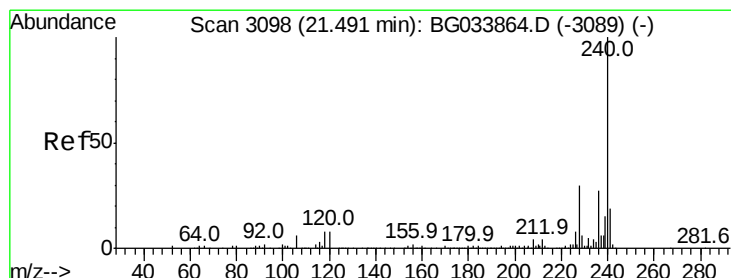
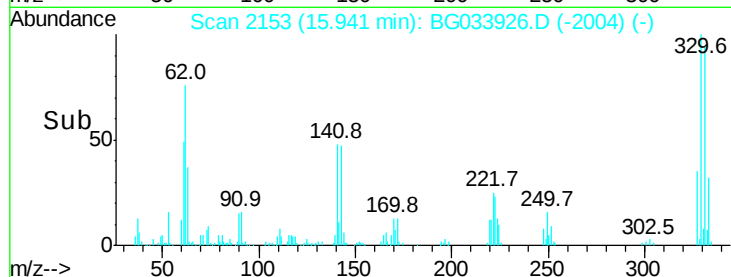
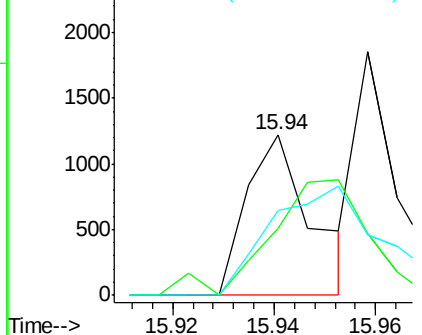
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.847 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. 0.34 min
 Lab File: BG033926.D
 Acq: 23 Apr 2018 18:28

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 1079
 Ion Ratio Lower Upper
 198 100
 51 41.9 30.6 70.6
 105 53.0 23.8 63.8

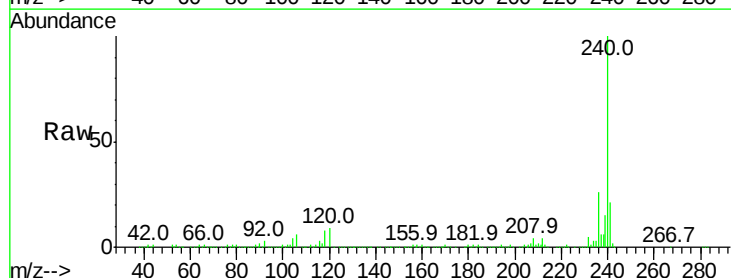


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

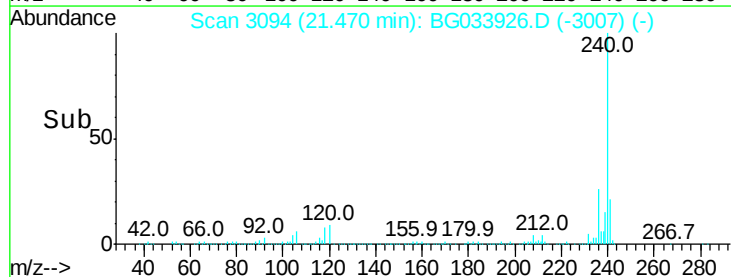
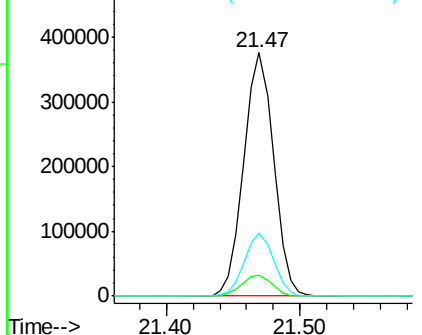


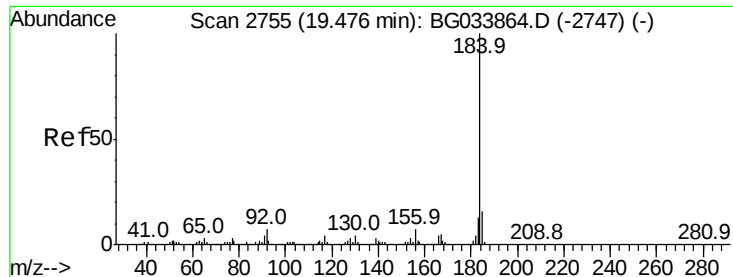
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.02 min
 Lab File: BG033926.D
 Acq: 23 Apr 2018 18:28

Tgt Ion:240 Resp: 581267
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.8 10.2
 236 25.8 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

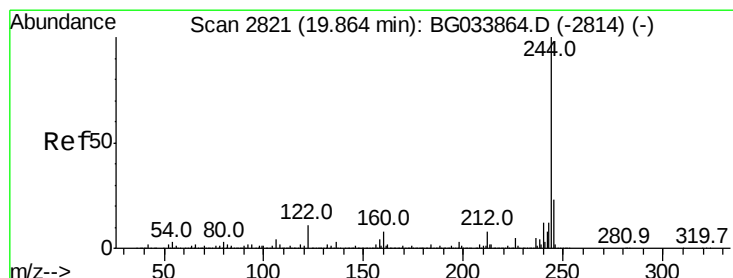
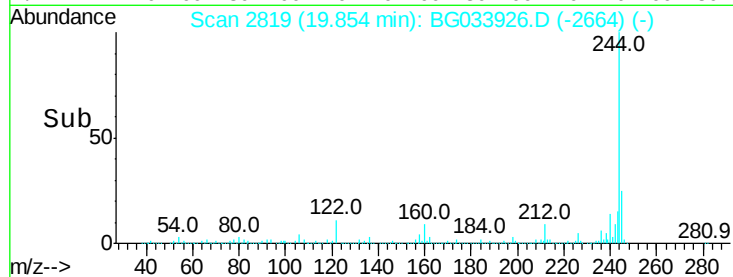
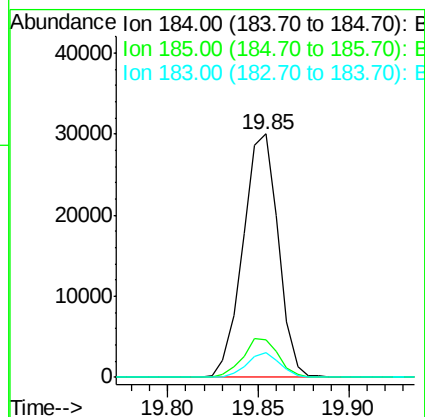
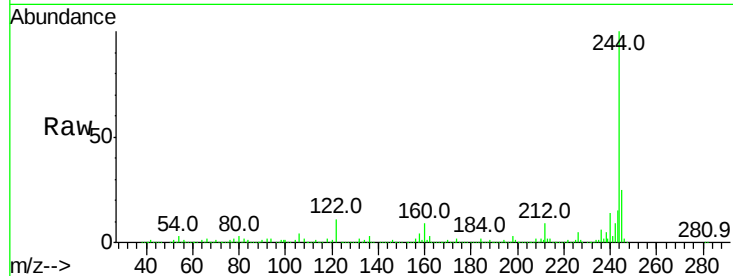




#76
Benzidine
Concen: 2.583 ng
RT: 19.85 min Scan# 2819
Delta R.T. 0.38 min
Lab File: BG033926.D
Acq: 23 Apr 2018 18:28

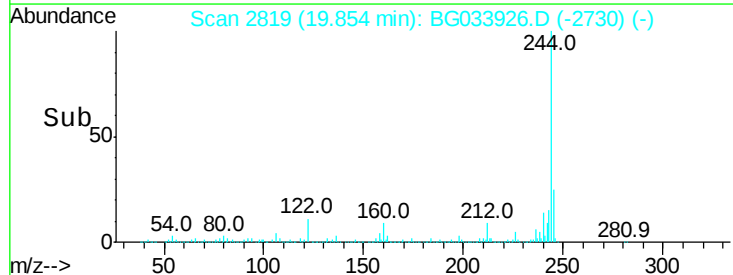
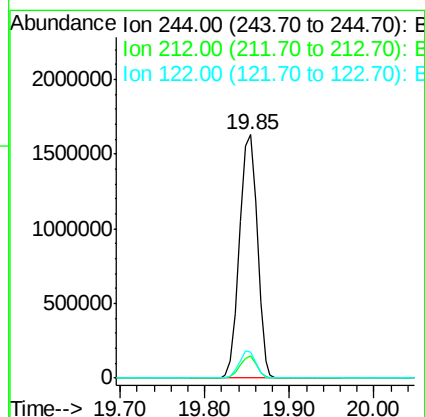
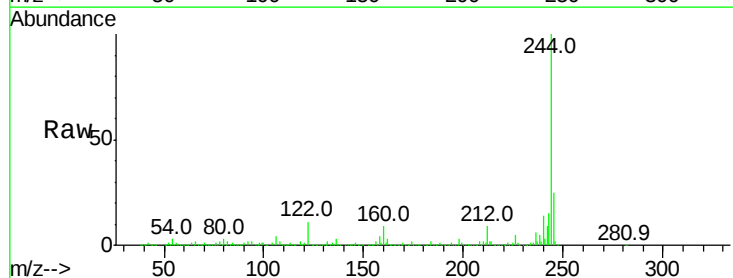
Instrument :
BNA_G
ClientSampleId :

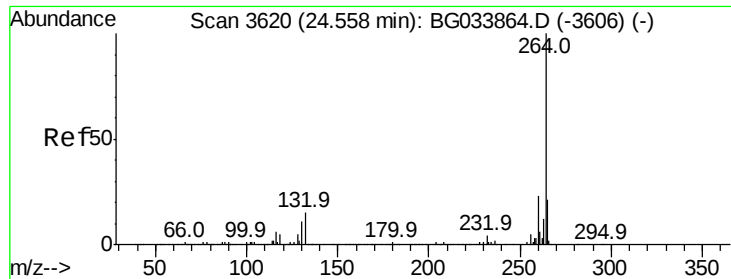
Tot Ion:184 Resp: 40549
Ion Ratio Lower Upper
184 100
185 15.4 11.1 16.7
183 10.4 10.6 16.0#



#78
Terphenyl-d14
Concen: 90.483 ng
RT: 19.85 min Scan# 2819
Delta R.T. -0.01 min
Lab File: BG033926.D
Acq: 23 Apr 2018 18:28

Tgt Ion:244 Resp: 2341071
Ion Ratio Lower Upper
244 100
212 9.1 5.8 8.8#
122 10.9 7.0 10.4#





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.52 min Scan# 3614
 Delta R.T. -0.03 min
 Lab File: BG033926.D
 Acq: 23 Apr 2018 18:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 587080
 Ion Ratio Lower Upper
 264 100
 260 23.4 17.4 26.0
 265 21.4 17.7 26.5

