

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033953.D
 Acq On : 24 Apr 2018 14:21
 Operator : SJ/JU
 Sample : J2503-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:00:04 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

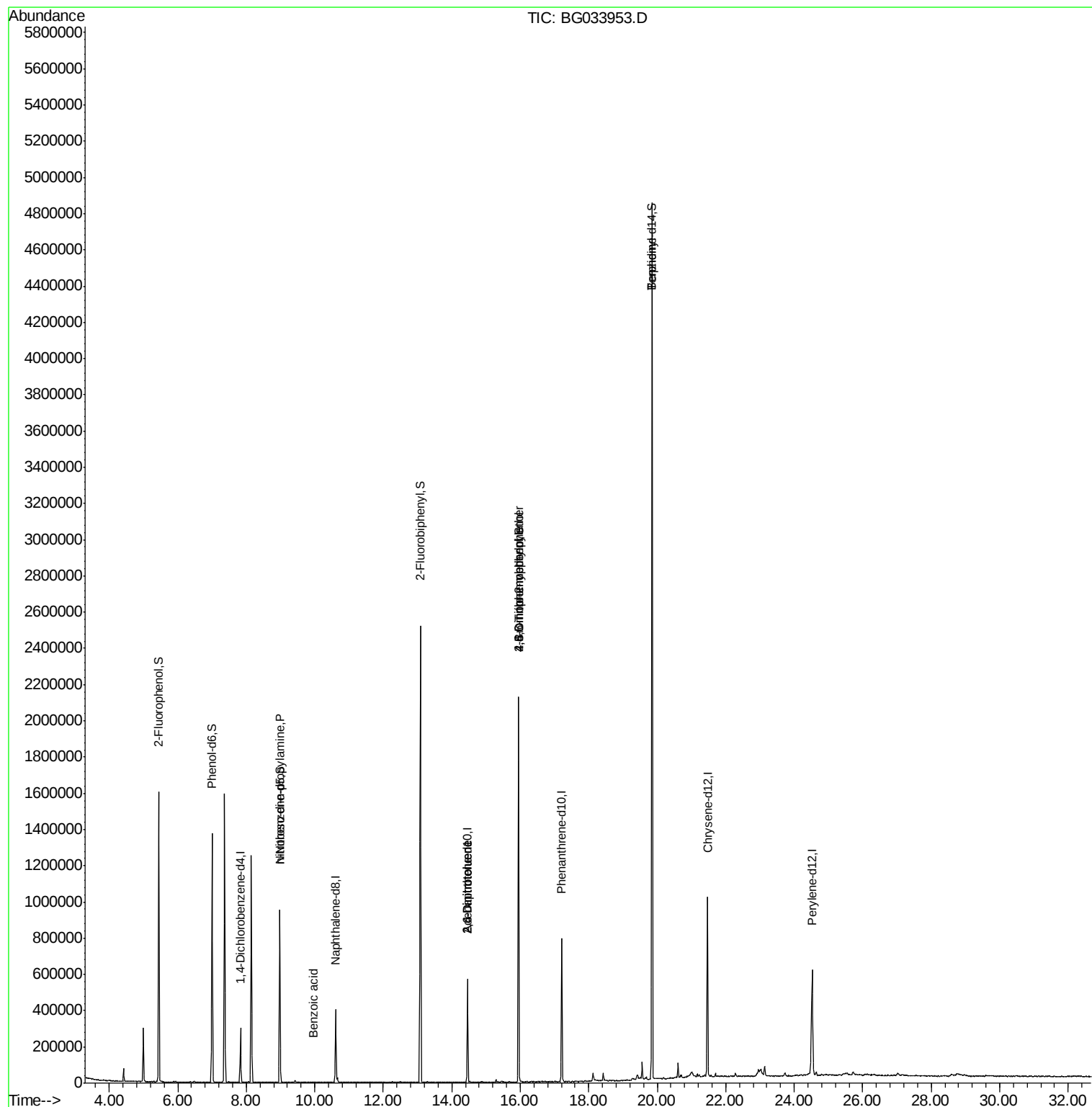
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	82412	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	328211	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	200631	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	499310	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	578557	20.00	ng	-0.02
86) Perylene-d12	24.52	264	593263	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	648546	125.64	ng	0.00
7) Phenol-d6	7.00	99	758663	100.77	ng	0.00
23) Nitrobenzene-d5	8.98	82	581896	100.90	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	379737	162.23	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1314222	96.23	ng	-0.02
78) Terphenyl-d14	19.85	244	2283261	88.66	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1667	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	81184	12.650 ng	#	76
32) Benzoic acid	9.96	122	55	5.095 ng	#	1
50) 2,6-Dinitrotoluene	14.46	165	24895	7.443 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	24895	5.598 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.96	198	1553	7.048 ng	#	68
66) 4-Bromophenyl-phenylether	15.94	248	18470	3.368 ng	#	1
76) Benzydine	19.85	184	37034	2.370 ng	#	89

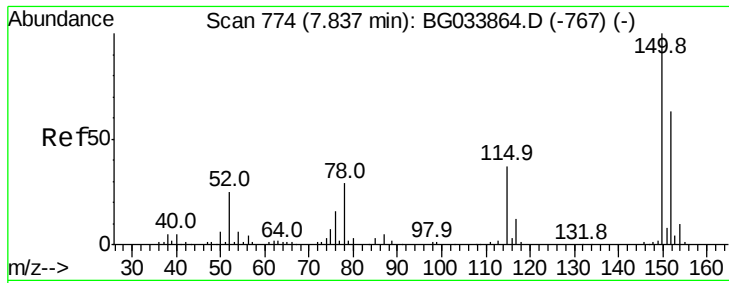
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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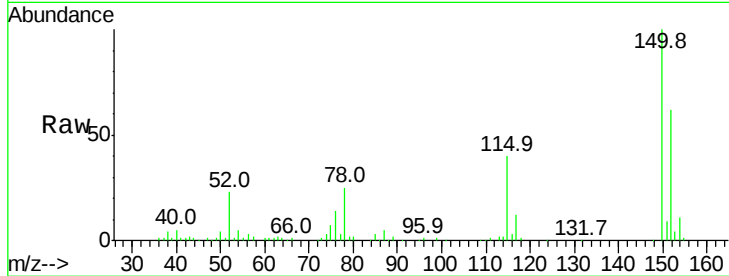


#1

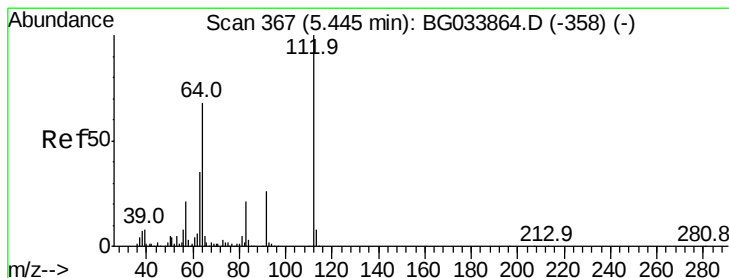
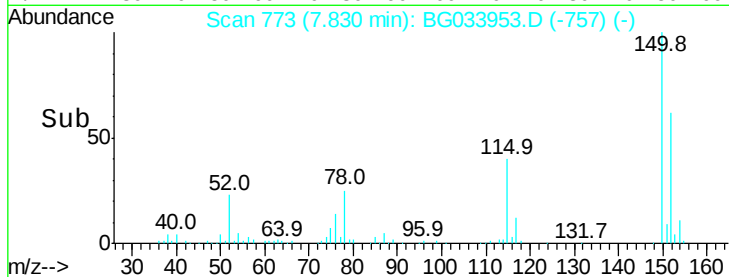
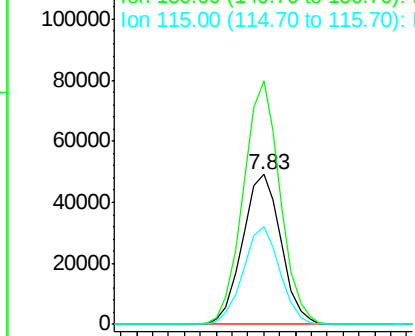
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033953.D
Acq: 24 Apr 2018 14:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 82412
Ion Ratio Lower Upper
152 100
150 162.4 126.6 189.8
115 64.8 53.0 79.4



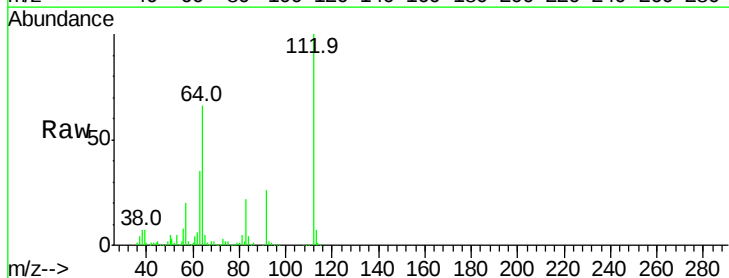
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



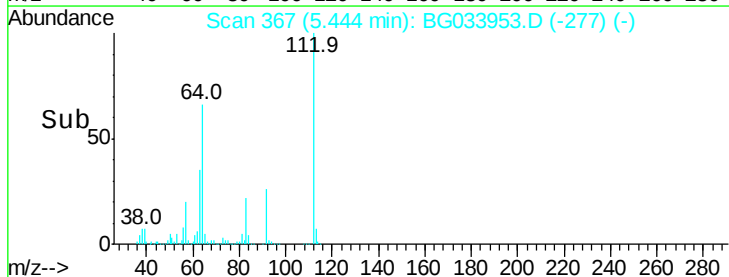
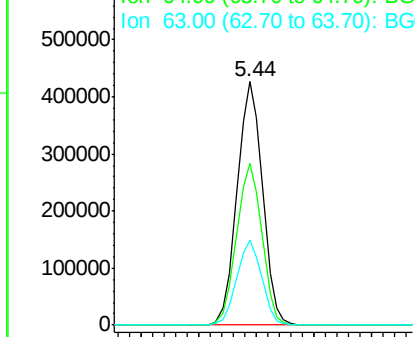
#5

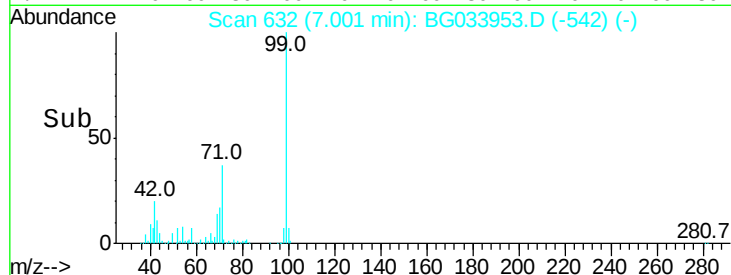
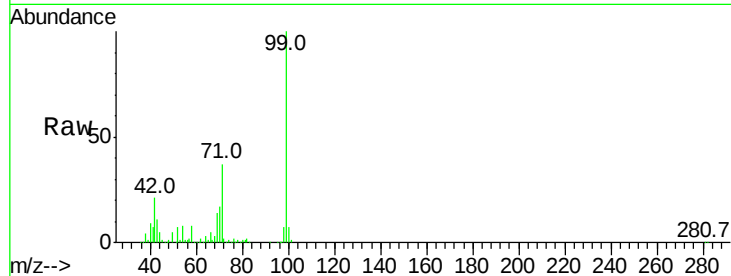
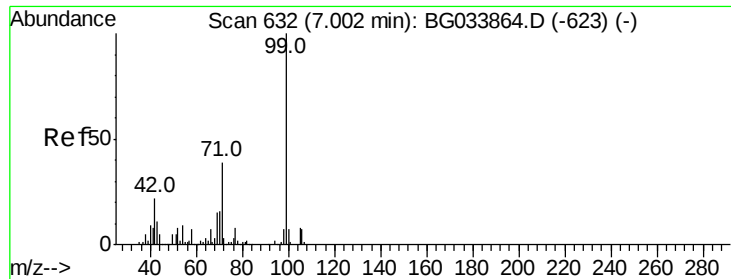
2-Fluorophenol
Concen: 125.640 ng
RT: 5.44 min Scan# 367
Delta R.T. -0.00 min
Lab File: BG033953.D
Acq: 24 Apr 2018 14:21

Tgt Ion:112 Resp: 648546
Ion Ratio Lower Upper
112 100
64 66.2 56.3 84.5
63 35.0 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: 100.766 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

Instrument :

BNA_G

ClientSampleId :

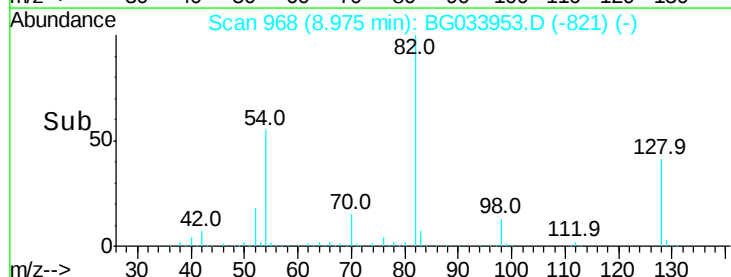
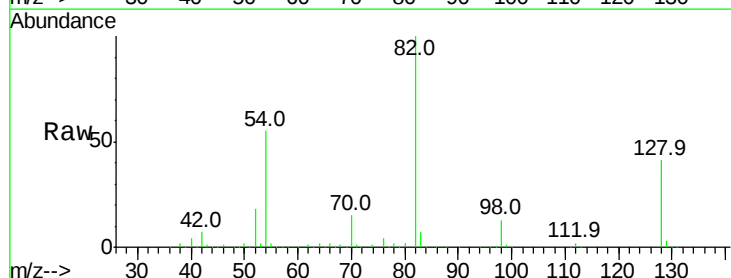
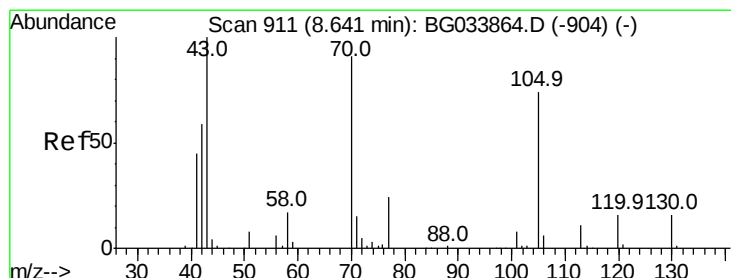
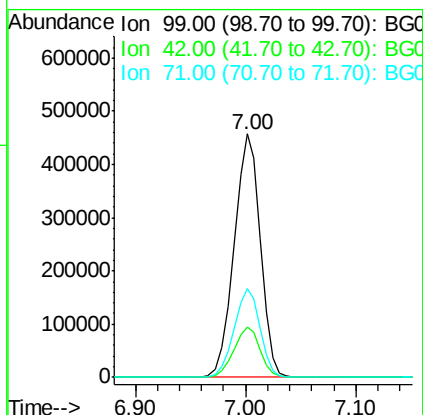
Tot Ion: 99 Resp: 758663

Ion Ratio Lower Upper

99 100

42 20.6 14.1 21.1

71 36.6 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 12.650 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

Tgt Ion: 70 Resp: 81184

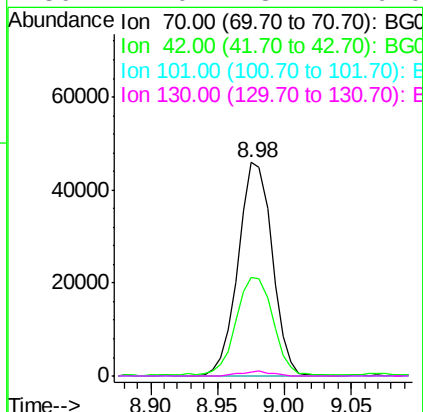
Ion Ratio Lower Upper

70 100

42 46.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#

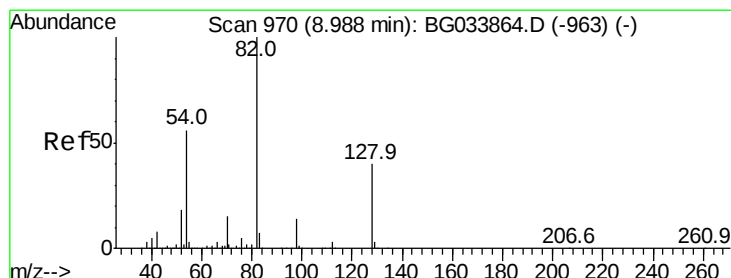
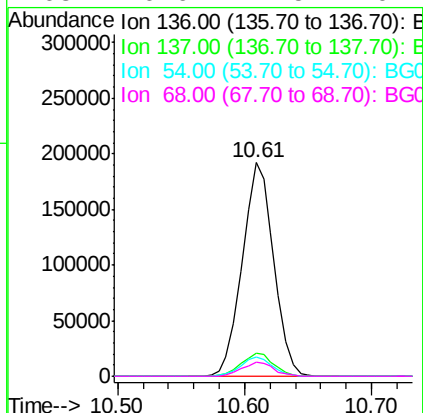
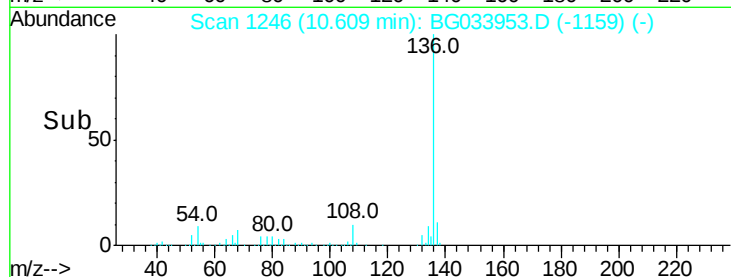
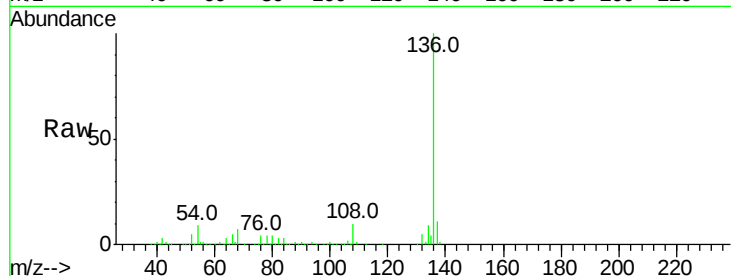




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033953.D
Acq: 24 Apr 2018 14:21

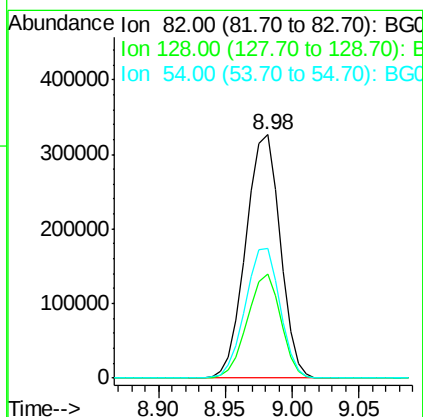
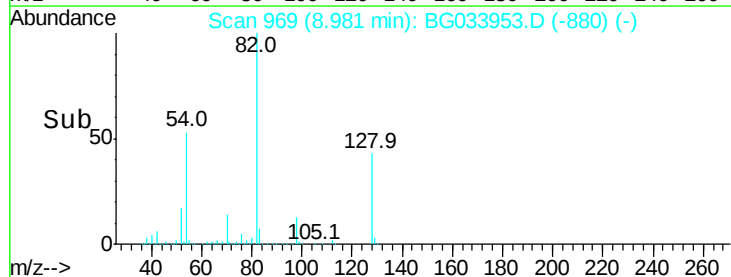
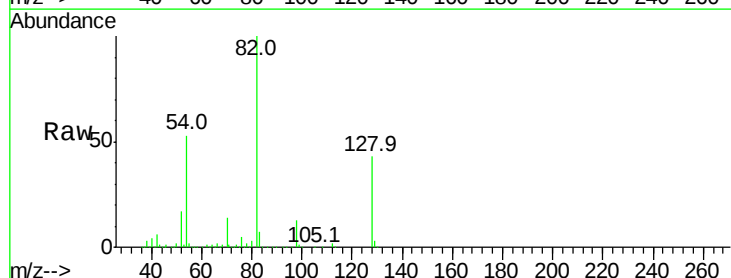
Instrument :
BNA_G
ClientSampled :

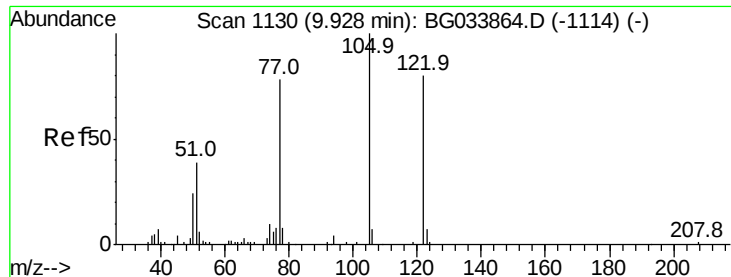
Tot Ion:	136	Resp:	328211
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.2	10.3	15.5#
68	6.6	4.5	6.7



#23
Nitrobenzene-d5
Concen: 100.897 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033953.D
Acq: 24 Apr 2018 14:21

Tgt Ion:	82	Resp:	581896
Ion	Ratio	Lower	Upper
82	100		
128	42.9	29.7	44.5
54	53.0	43.1	64.7





#32

Benzoic acid

Concen: 5.095 ng

RT: 9.96 min Scan# 1135

Delta R.T. 0.03 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

Instrument :

BNA_G

ClientSampleId :

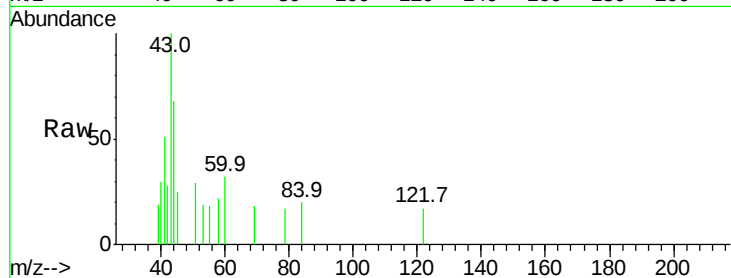
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#

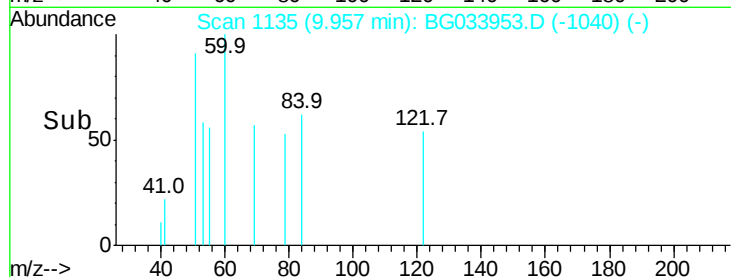


Abundance Ion 122.00 (121.70 to 122.70): E

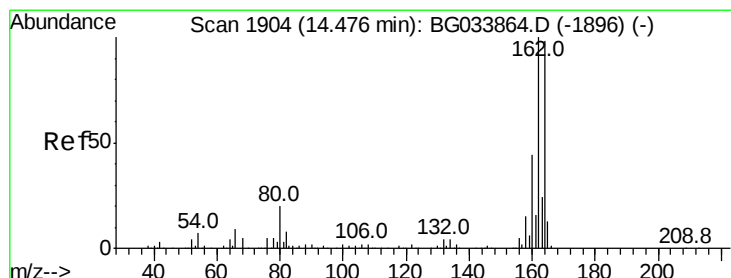
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

9.96



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

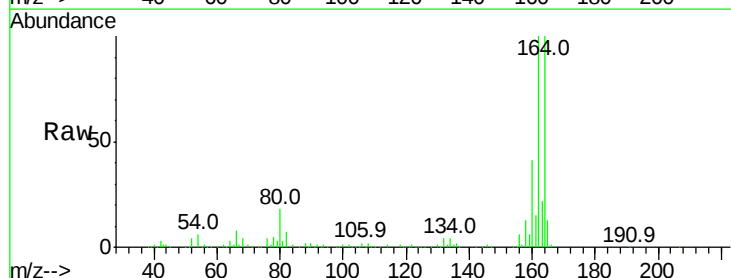
Tgt Ion:164 Resp: 200631

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

160 41.3 35.4 53.0

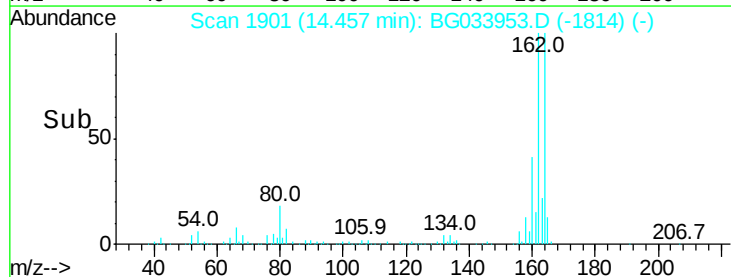


Abundance Ion 164.00 (163.70 to 164.70): E

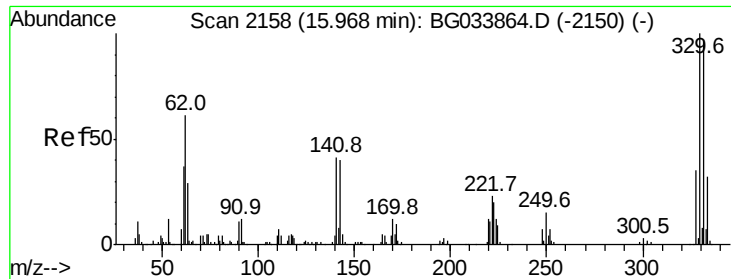
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.46



Time-->



#41

2,4,6-Tribromophenol

Concen: 162.234 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

Instrument :

BNA_G

ClientSampleId :

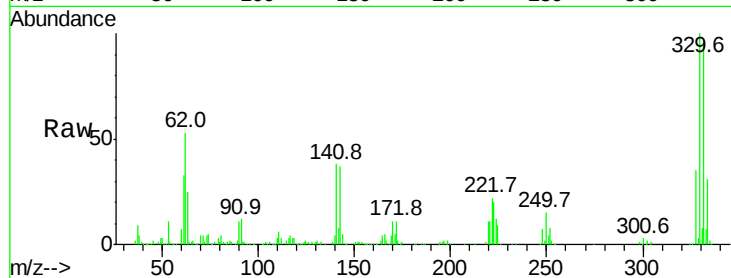
Tot Ion:330 Resp: 379737

Ion Ratio Lower Upper

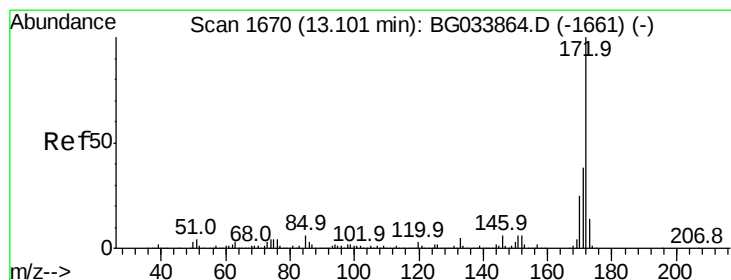
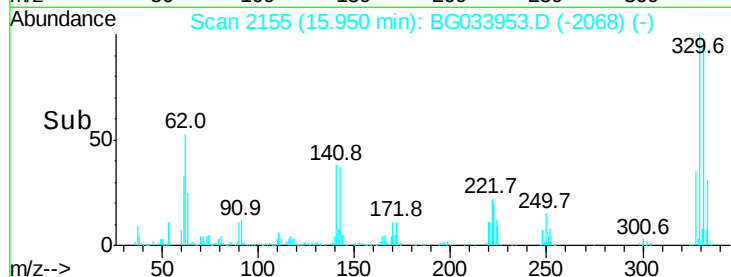
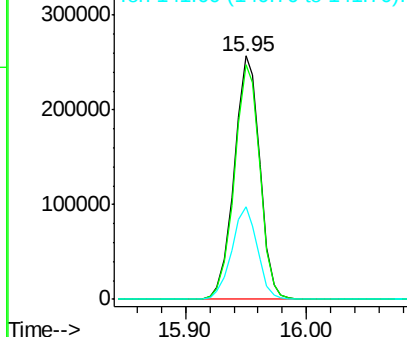
330 100

332 96.0 77.0 115.6

141 37.9 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: 96.228 ng

RT: 13.08 min Scan# 1667

Delta R.T. -0.02 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

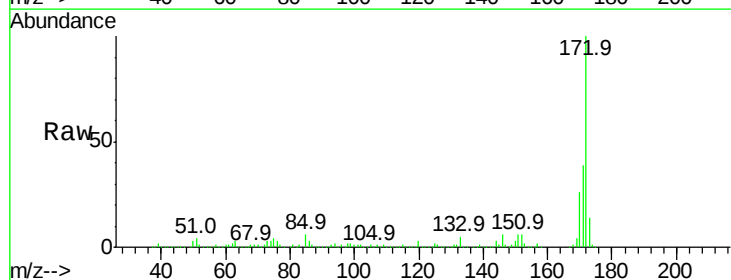
Tgt Ion:172 Resp: 1314222

Ion Ratio Lower Upper

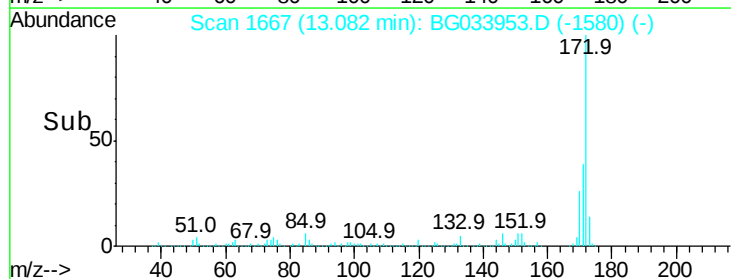
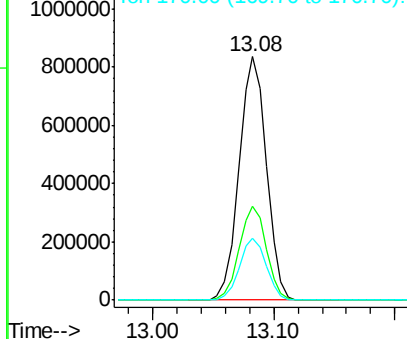
172 100

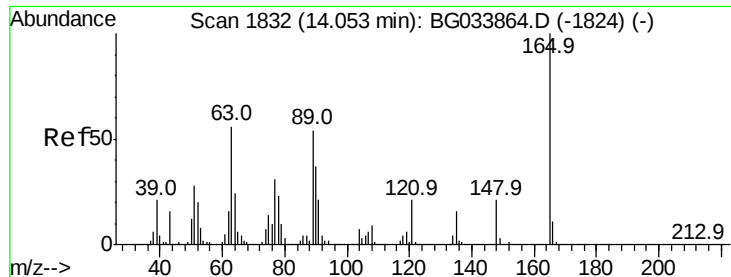
171 38.8 30.0 45.0

170 25.5 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

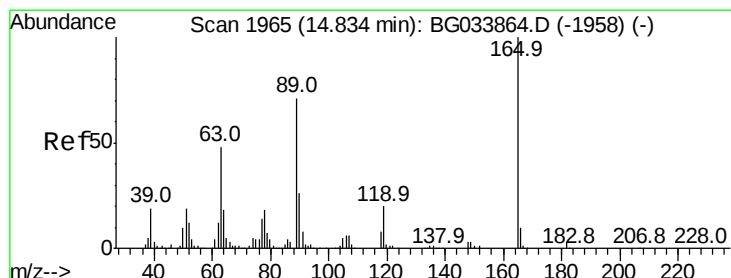
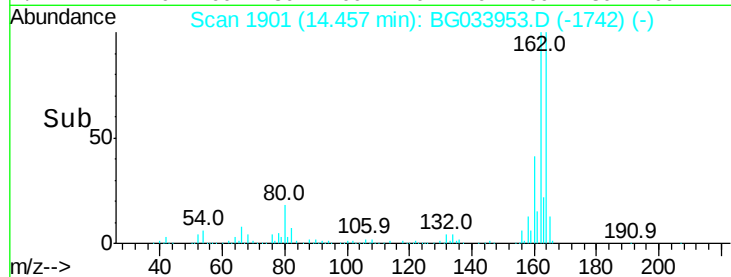
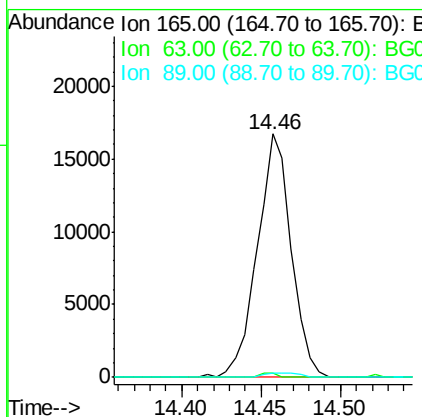
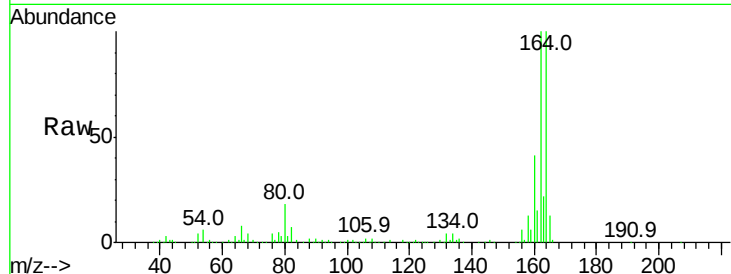




#50
 2,6-Dinitrotoluene
 Concen: 7.443 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.40 min
 Lab File: BG033953.D
 Acq: 24 Apr 2018 14:21

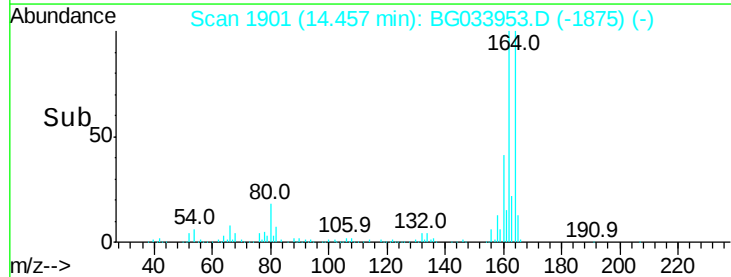
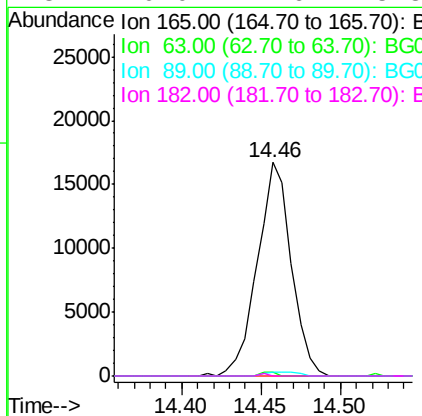
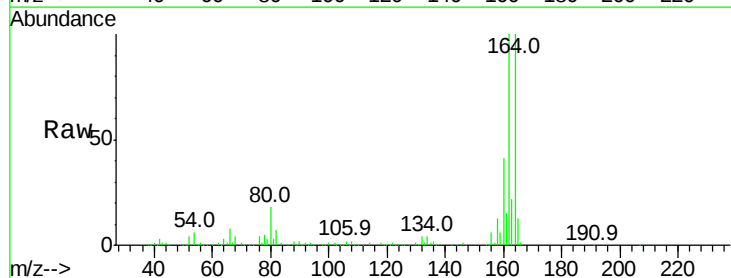
Instrument :
 BNA_G
 ClientSampleId :

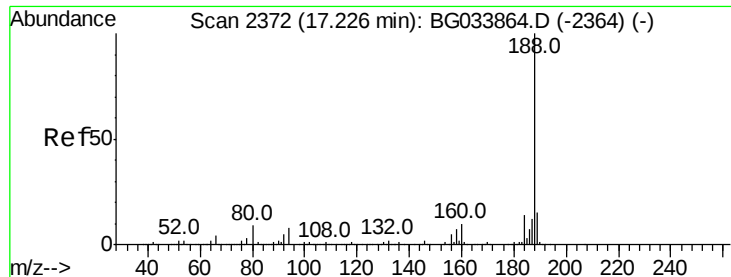
Tot Ion:165 Resp: 24895
 Ion Ratio Lower Upper
 165 100
 63 1.5 52.7 79.1#
 89 2.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.598 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033953.D
 Acq: 24 Apr 2018 14:21

Tgt Ion:165 Resp: 24895
 Ion Ratio Lower Upper
 165 100
 63 1.5 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: 17.21 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

Instrument :

BNA_G

ClientSampleId :

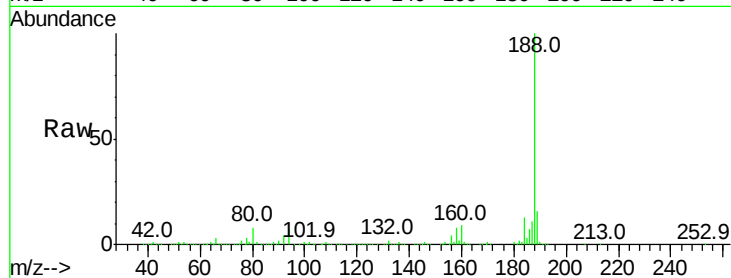
Tot Ion:188 Resp: 499310

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

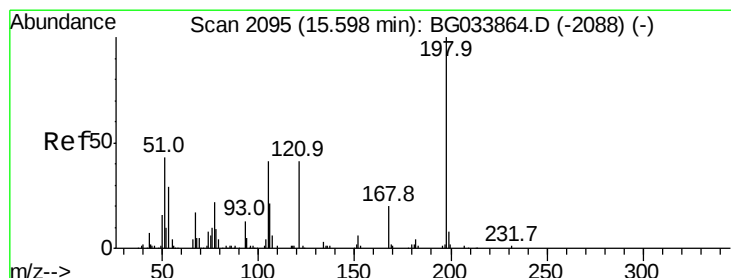
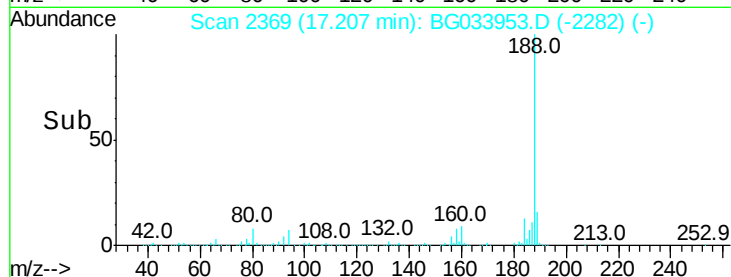
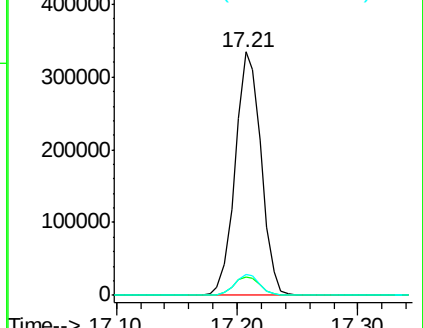
80 8.4 7.7 11.5



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: 7.048 ng

RT: 15.96 min Scan# 2156

Delta R.T. 0.36 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

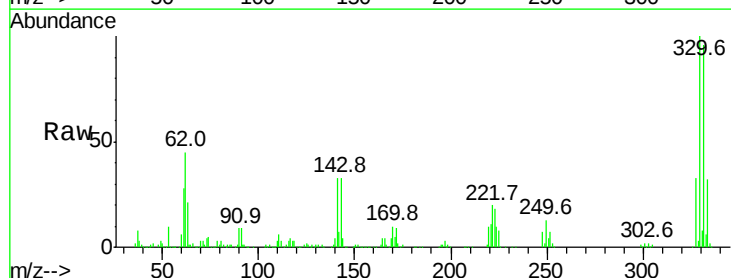
Tgt Ion:198 Resp: 1553

Ion Ratio Lower Upper

198 100

51 24.3 30.6 70.6#

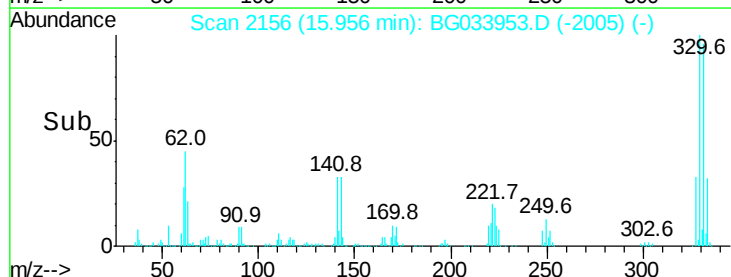
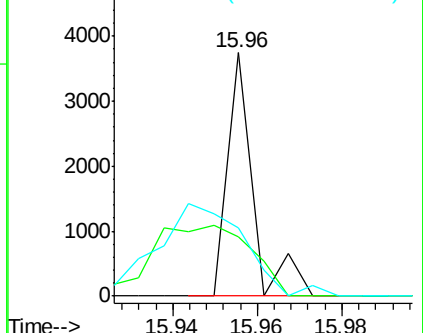
105 28.1 23.8 63.8

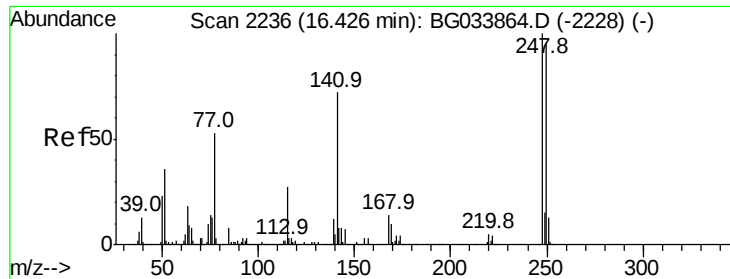


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

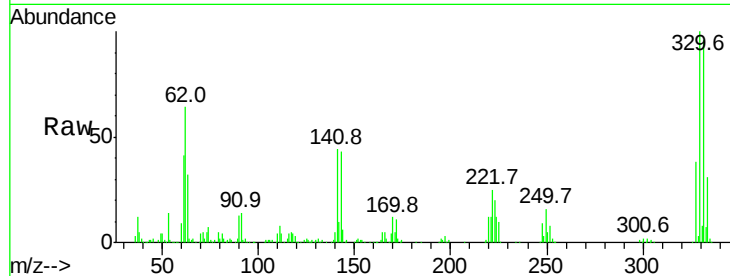




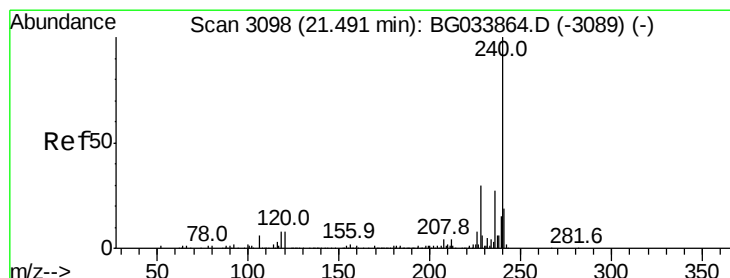
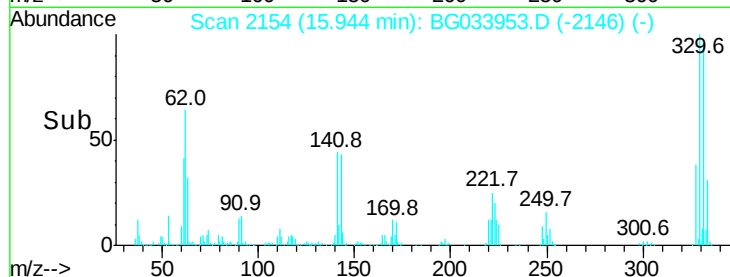
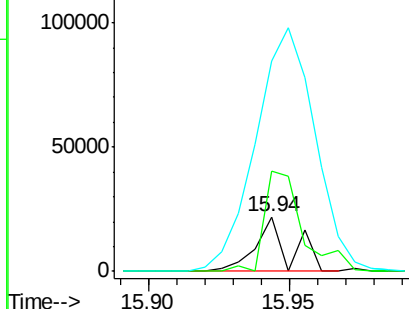
#66
 4-Bromophenyl-phenylether
 Concen: 3.368 ng
 RT: 15.94 min Scan# 2154
 Delta R.T. -0.48 min
 Lab File: BG033953.D
 Acq: 24 Apr 2018 14:21

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 18470
 Ion Ratio Lower Upper
 248 100
 250 182.8 77.1 115.7#
 141 384.3 50.8 76.2#

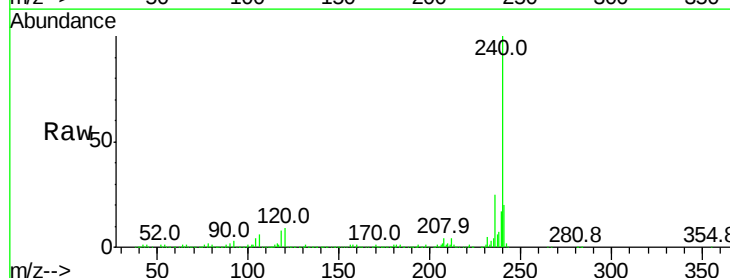


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

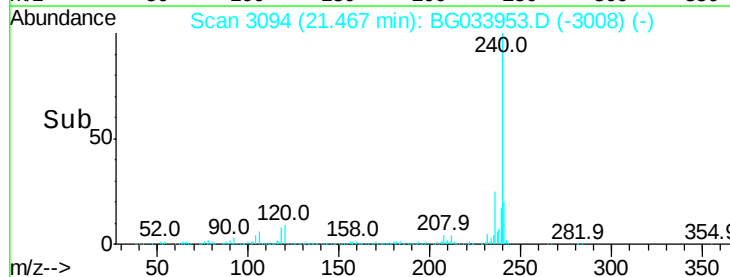
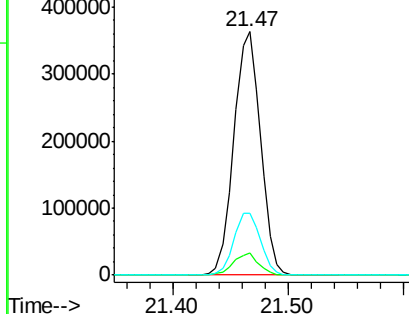


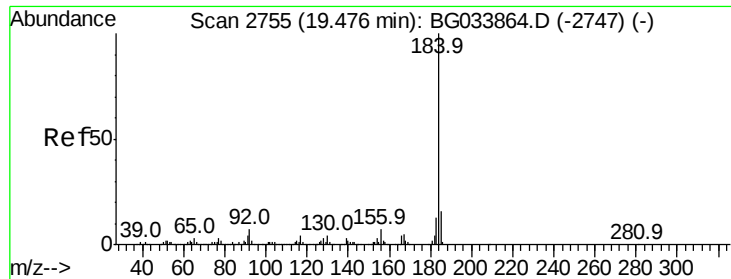
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.02 min
 Lab File: BG033953.D
 Acq: 24 Apr 2018 14:21

Tgt Ion:240 Resp: 578557
 Ion Ratio Lower Upper
 240 100
 120 9.1 6.8 10.2
 236 25.3 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: 2.370 ng

RT: 19.85 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

Instrument :

BNA_G

ClientSampleId :

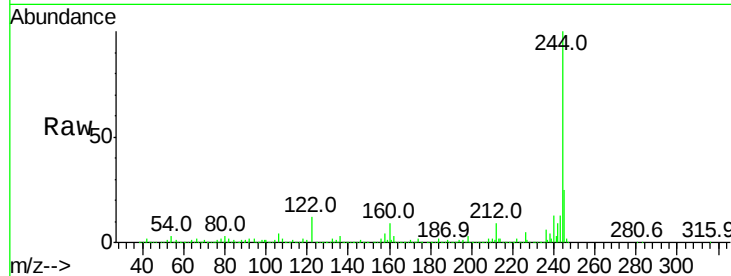
Tot Ion:184 Resp: 37034

Ion Ratio Lower Upper

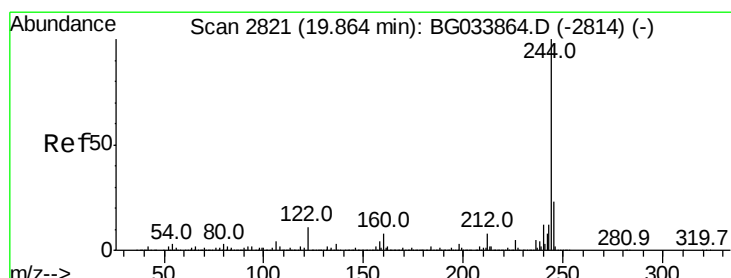
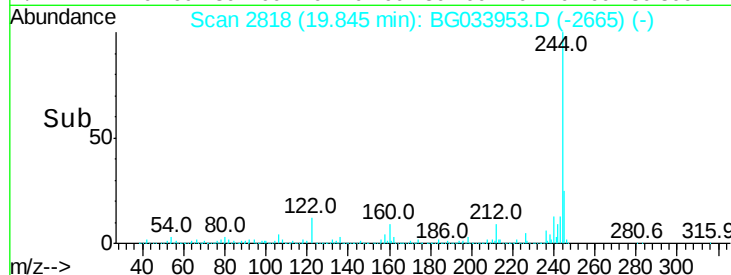
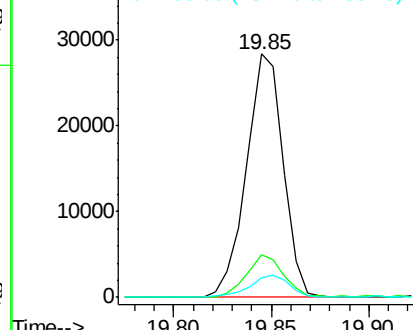
184 100

185 17.6 11.1 16.7#

183 8.0 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: 88.662 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033953.D

Acq: 24 Apr 2018 14:21

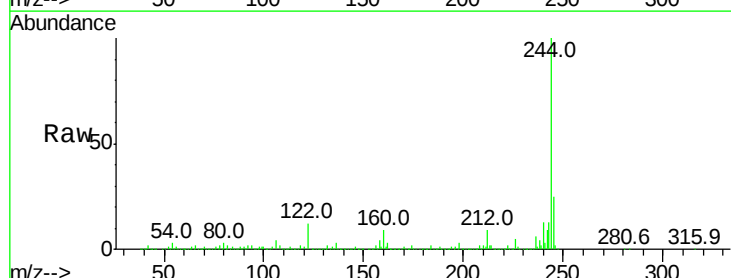
Tgt Ion:244 Resp: 2283261

Ion Ratio Lower Upper

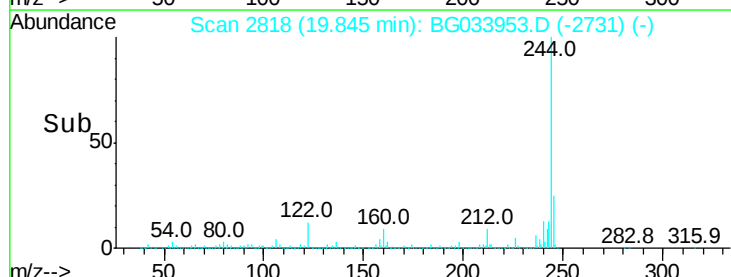
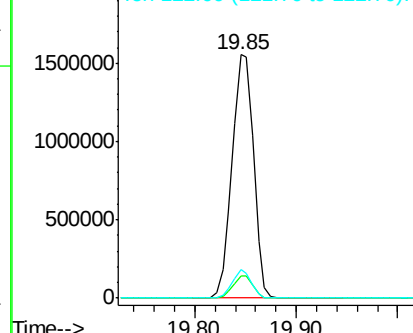
244 100

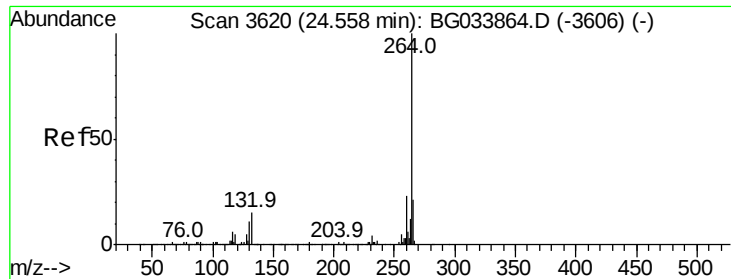
212 9.1 5.8 8.8#

122 11.6 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

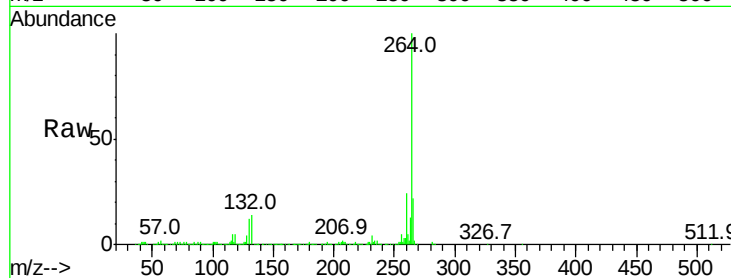




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.52 min Scan# 3614
Delta R.T. -0.04 min
Lab File: BG033953.D
Acq: 24 Apr 2018 14:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	593263
Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	22.4	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

