

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030618\
 Data File : BG033024.D
 Acq On : 6 Mar 2018 16:45
 Operator : SJ/JU
 Sample : J1731-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 07 02:19:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	51247	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	224753	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	126464	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	300557	20.00	ng	0.00
75) Chrysene-d12	22.61	240	286019	20.00	ng	0.00
86) Perylene-d12	26.41	264	256081	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	467725	146.02	ng	0.01
7) Phenol-d6	8.02	99	568339	127.29	ng	0.00
23) Nitrobenzene-d5	10.12	82	409080	121.49	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	217157	163.31	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	861430	98.24	ng	0.00
78) Terphenyl-d14	20.78	244	1357797	106.66	ng	0.00

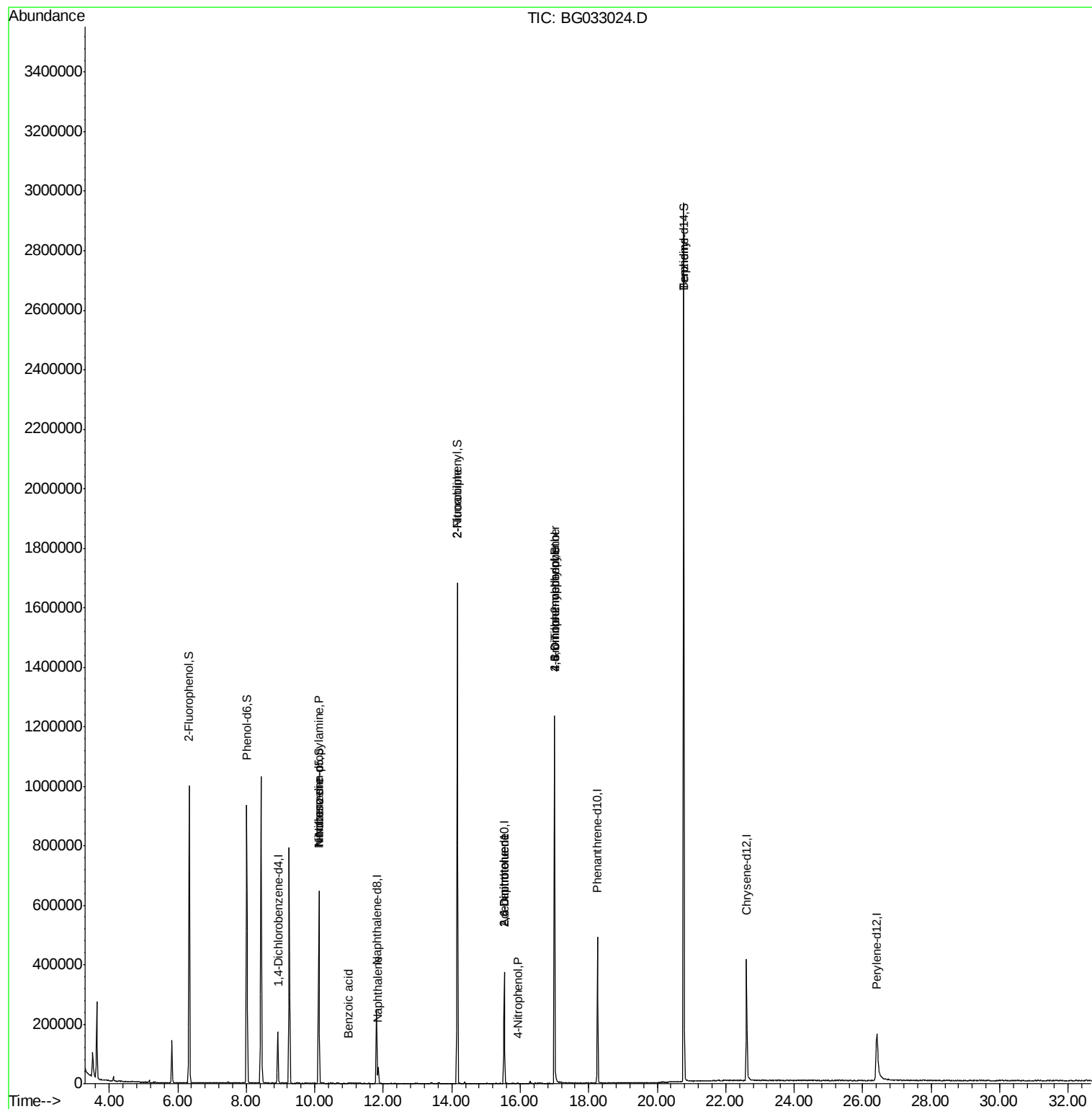
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	54016	17.137	ng	# 85
24) Nitrobenzene	10.11	77	1267	6.687	ng	# 46
31) Naphthalene	11.85	128	47297	4.027	ng	# 98
32) Benzoic acid	10.99	122	148	5.899	ng	# 1
47) 2-Nitroaniline	14.16	65	1407	10.373	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	16844	16.619	ng	# 19
55) 4-Nitrophenol	15.92	139	285	7.228	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	16844	14.818	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.99	198	679	5.908	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	15557	4.895	ng	# 1
76) Benzidine	20.78	184	23559	2.416	ng	# 95

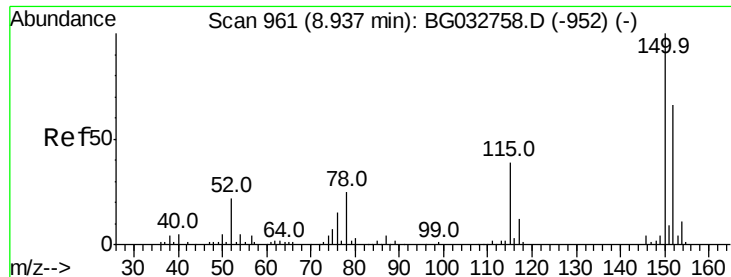
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030618\
Data File : BG033024.D
Acq On : 6 Mar 2018 16:45
Operator : SJ/JU
Sample : J1731-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 07 02:19:58 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 17:38:59 2018
Response via : Initial Calibration



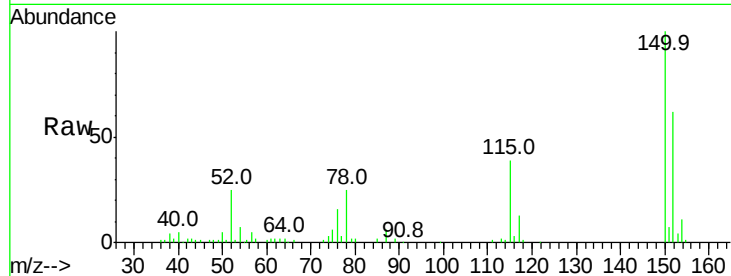


#1

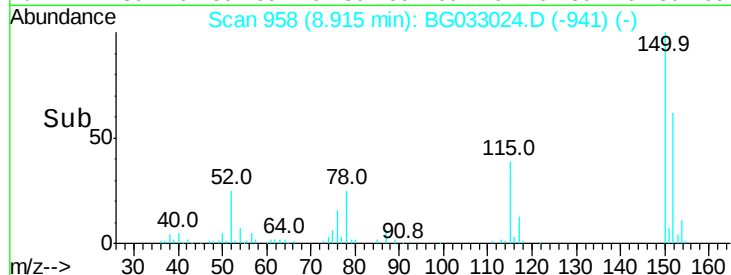
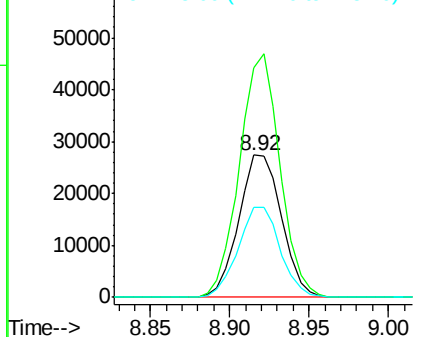
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. 0.00 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 51247
Ion Ratio Lower Upper
152 100
150 161.4 126.6 189.8
115 63.3 53.0 79.4



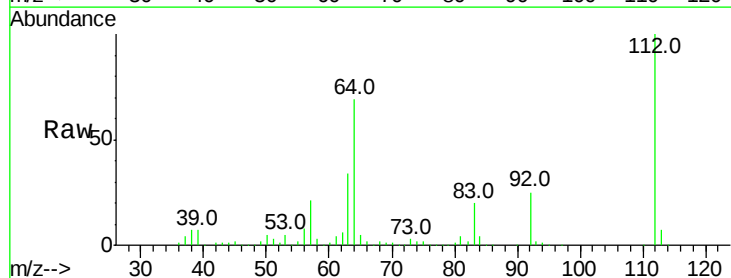
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



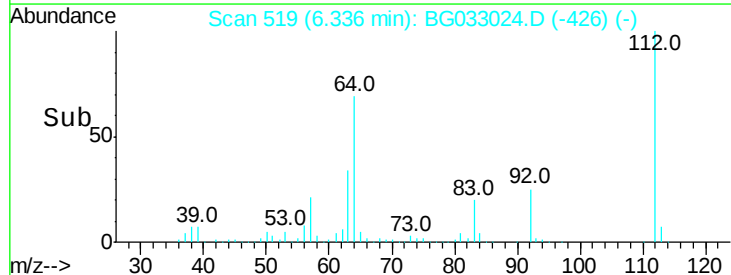
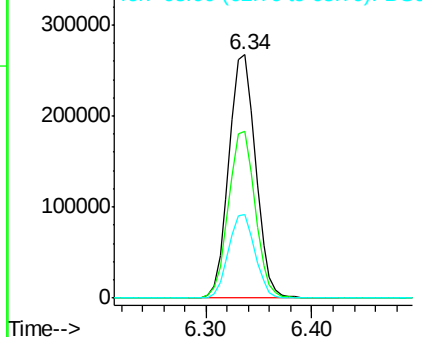
#5

2-Fluorophenol
Concen: 146.017 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

Tgt Ion:112 Resp: 467725
Ion Ratio Lower Upper
112 100
64 68.6 56.3 84.5
63 34.1 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: 127.292 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033024.D

Acq: 6 Mar 2018 16:45

Instrument :

BNA_G

ClientSampleId :

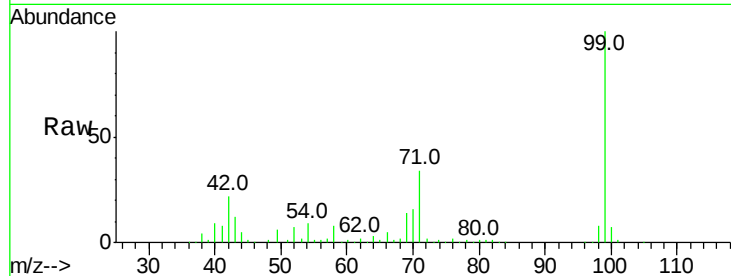
Tot Ion: 99 Resp: 568339

Ion Ratio Lower Upper

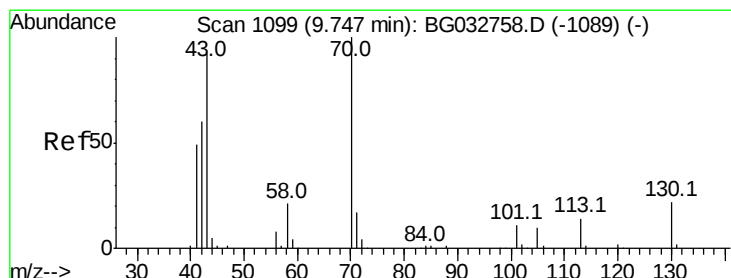
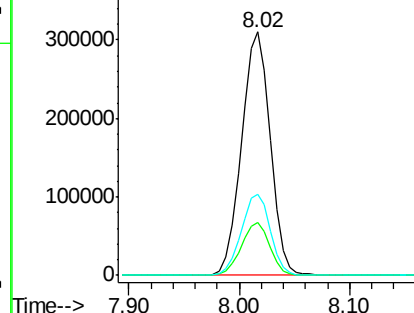
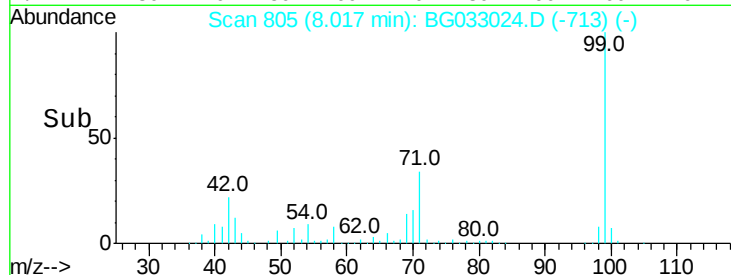
99 100

42 21.7 14.1 21.1#

71 33.6 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: 17.137 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.40 min

Lab File: BG033024.D

Acq: 6 Mar 2018 16:45

Tgt Ion: 70 Resp: 54016

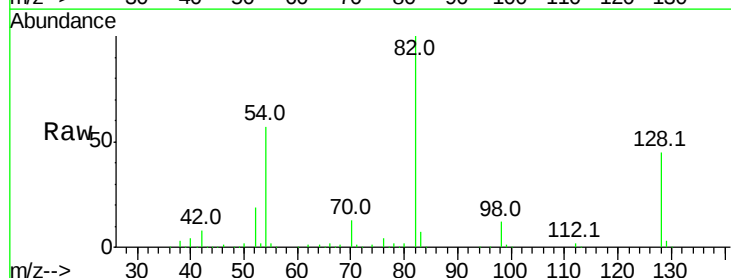
Ion Ratio Lower Upper

70 100

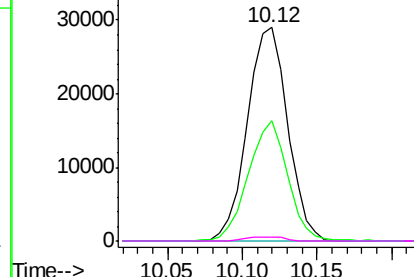
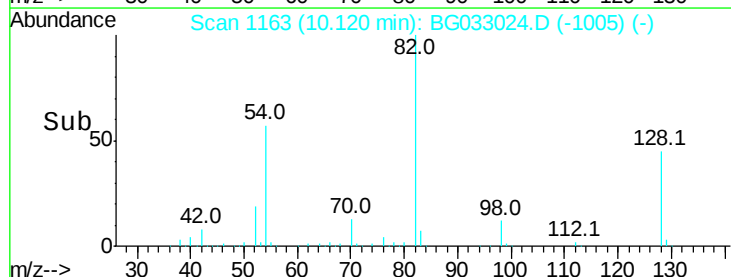
42 56.3 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 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

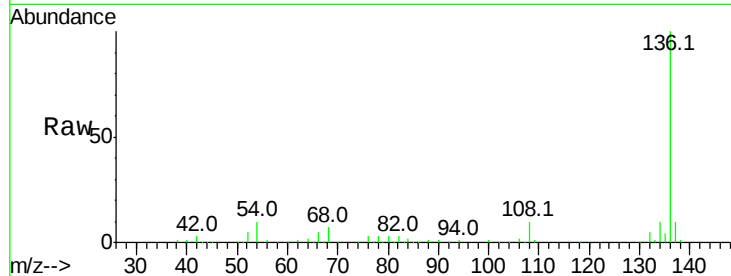




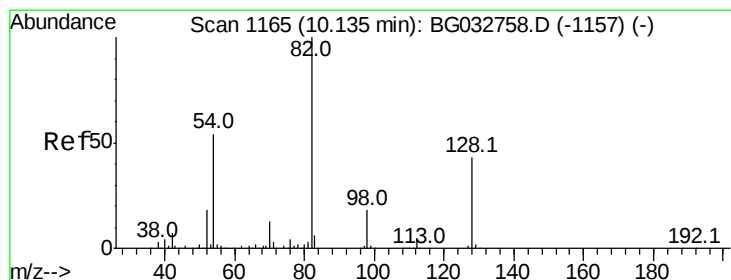
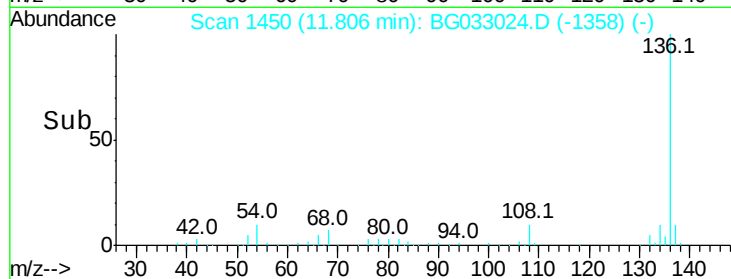
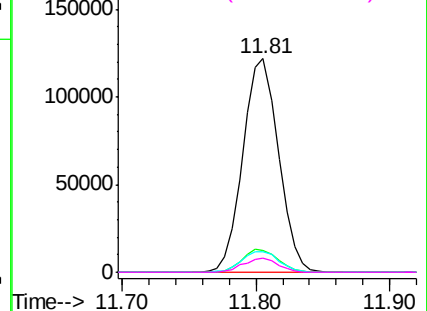
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	9.8	10.3	15.5#
68	6.6	4.5	6.7

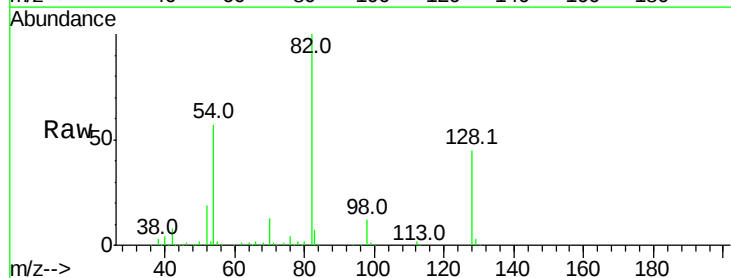


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

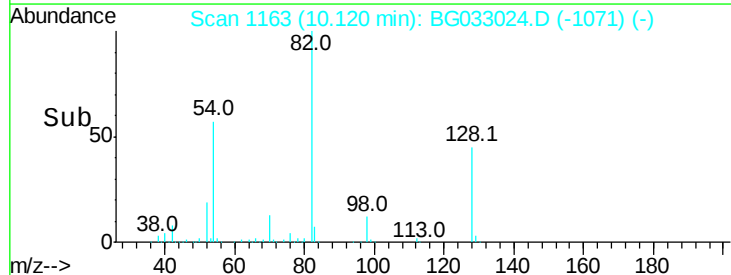
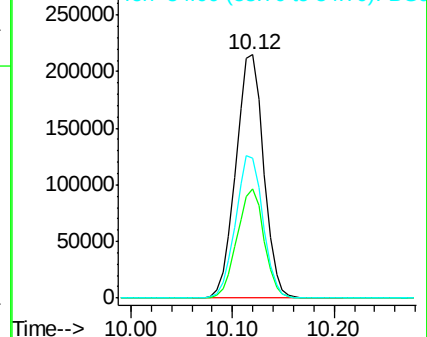


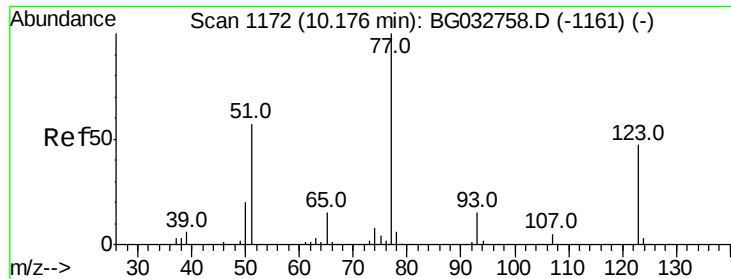
#23
Nitrobenzene-d5
Concen: 121.491 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.1	29.7	44.5#
54	57.3	43.1	64.7



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





#24

Nitrobenzene

Concen: 6.687 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.04 min

Lab File: BG033024.D

Acq: 6 Mar 2018 16:45

Instrument :

BNA_G

ClientSampleId :

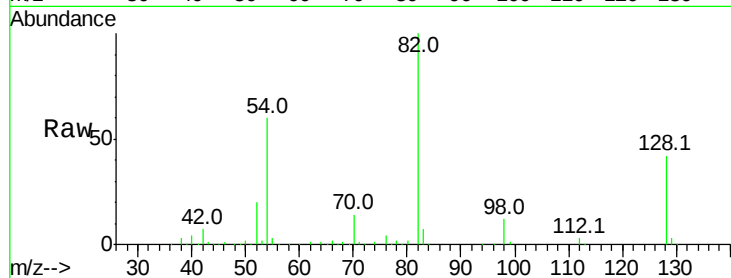
Tot Ion: 77 Resp: 1267

Ion Ratio Lower Upper

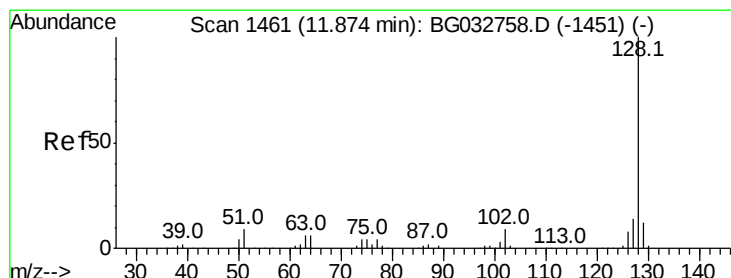
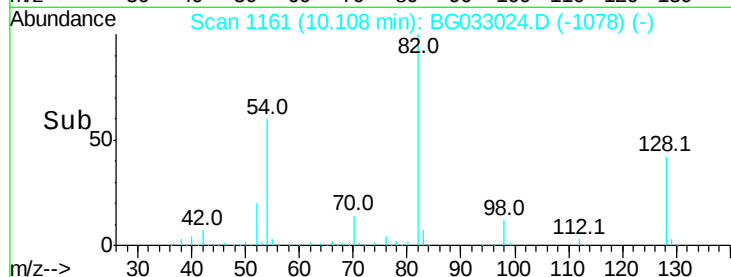
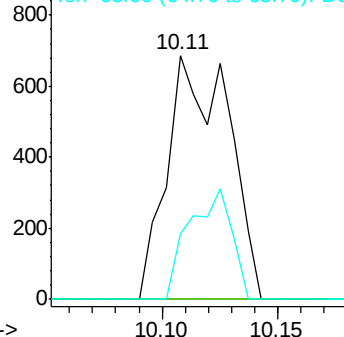
77 100

123 0.0 33.0 49.6#

65 27.0 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#31

Naphthalene

Concen: 4.027 ng

RT: 11.85 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BG033024.D

Acq: 6 Mar 2018 16:45

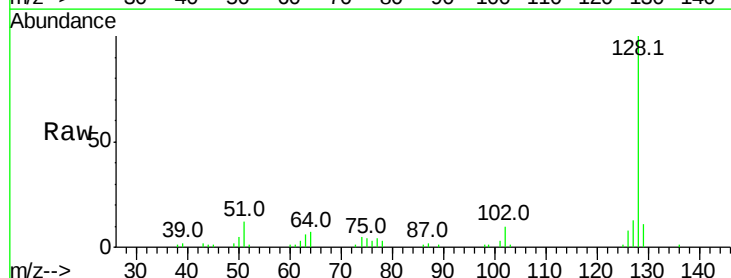
Tgt Ion: 128 Resp: 47297

Ion Ratio Lower Upper

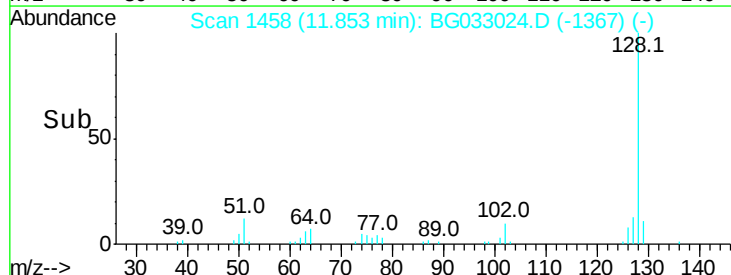
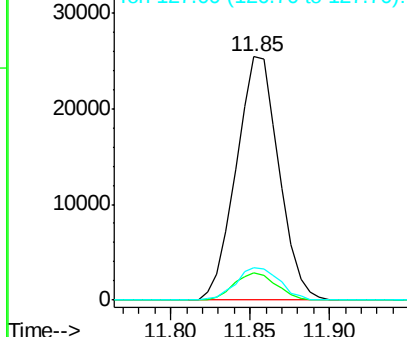
128 100

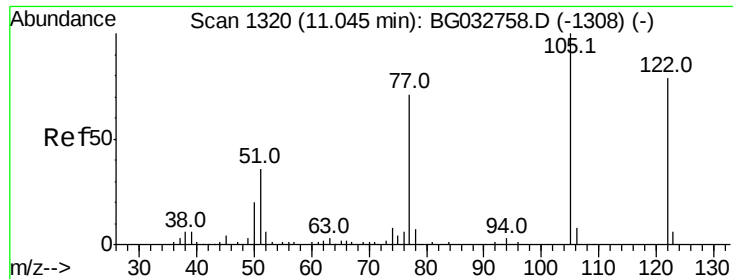
129 11.2 8.6 12.8

127 13.4 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 5.899 ng

RT: 10.99 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BG033024.D

Acq: 6 Mar 2018 16:45

Instrument :

BNA_G

ClientSampleId :

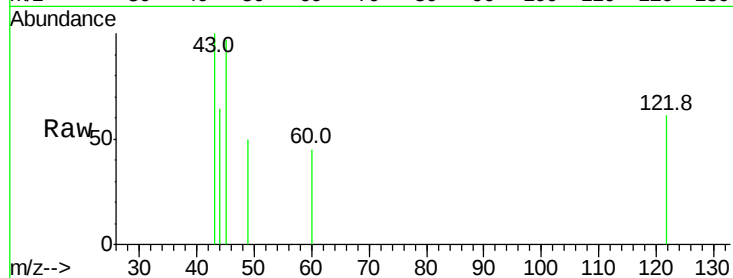
Tot Ion:122 Resp: 148

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

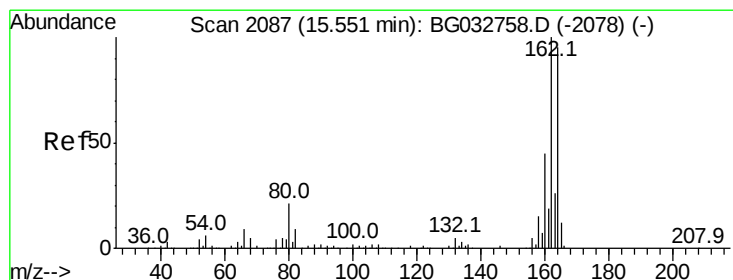
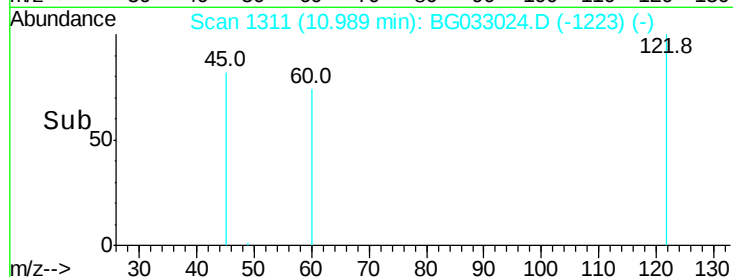
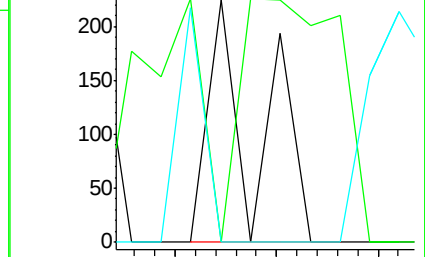
77 0.0 85.7 125.7#



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): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BG033024.D

Acq: 6 Mar 2018 16:45

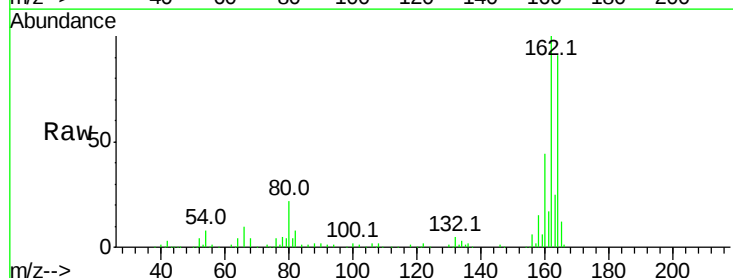
Tgt Ion:164 Resp: 126464

Ion Ratio Lower Upper

164 100

162 109.8 78.8 118.2

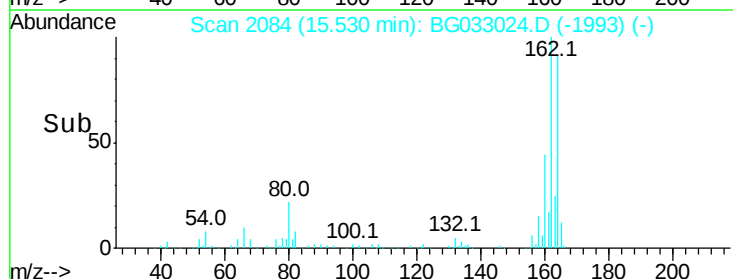
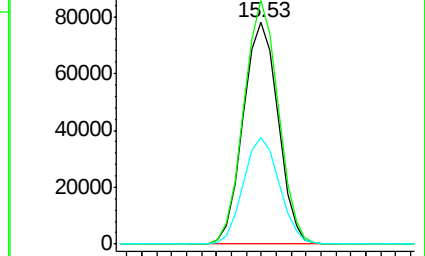
160 48.4 35.4 53.0

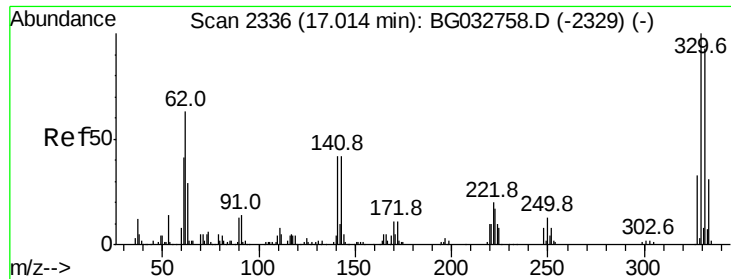


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

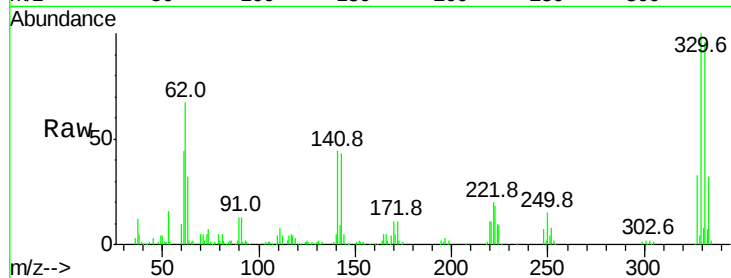




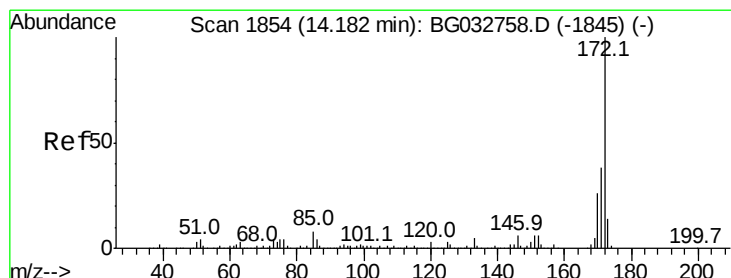
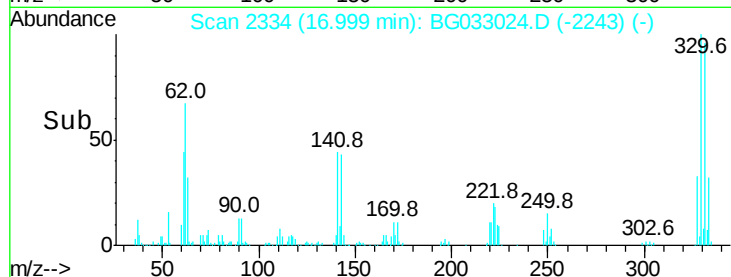
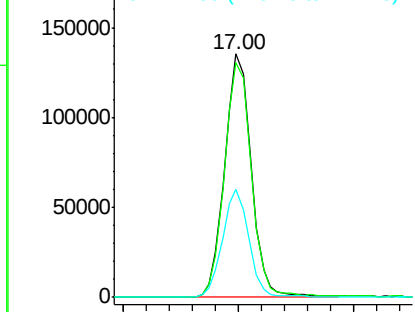
#41
 2,4,6-Tribromophenol
 Concen: 163.310 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033024.D
 Acq: 6 Mar 2018 16:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 217157
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.0 115.6
 141 44.0 25.2 37.8#

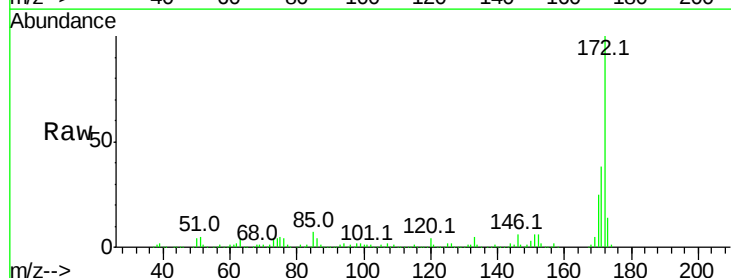


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

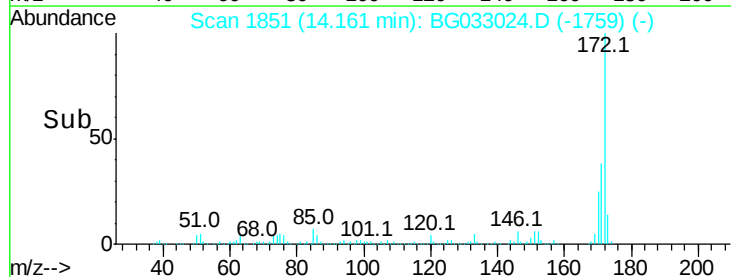
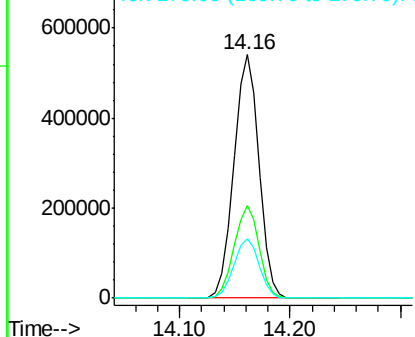


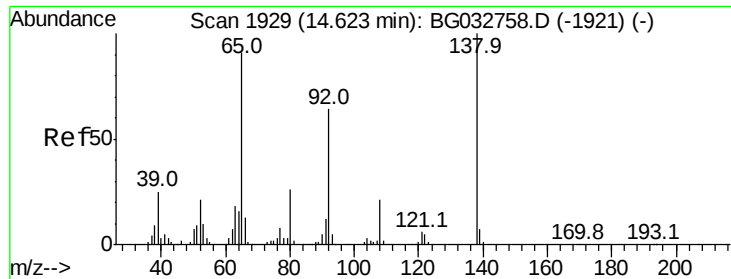
#44
 2-Fluorobiphenyl
 Concen: 98.241 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: BG033024.D
 Acq: 6 Mar 2018 16:45

Tgt Ion:172 Resp: 861430
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 24.6 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

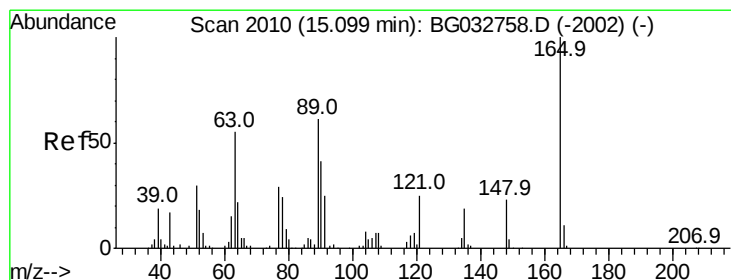
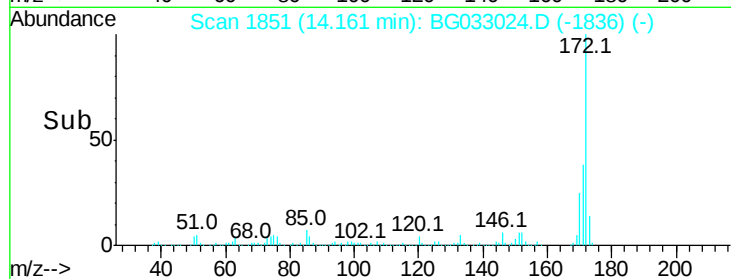
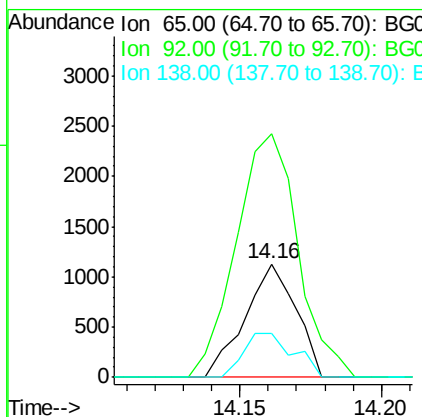
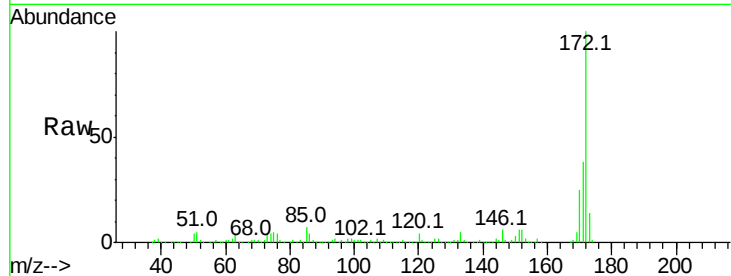




#47
2-Nitroaniline
Concen: 10.373 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.44 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

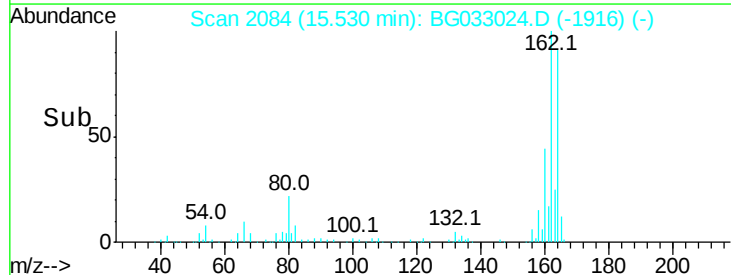
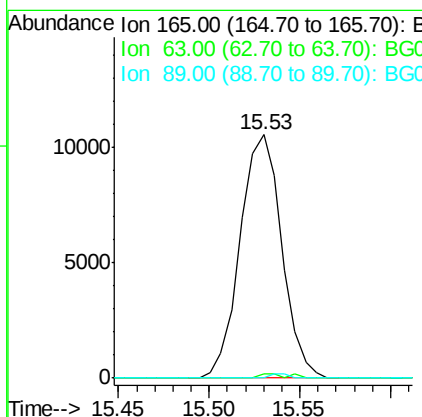
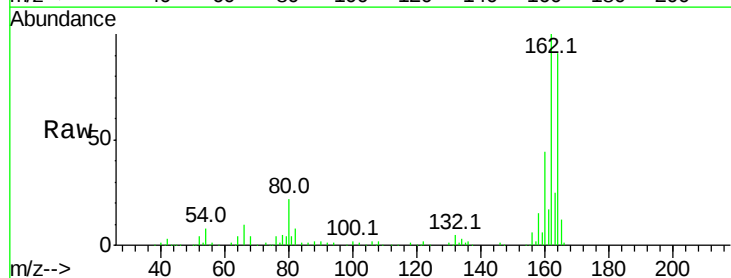
Instrument :
BNA_G
ClientSampleId :

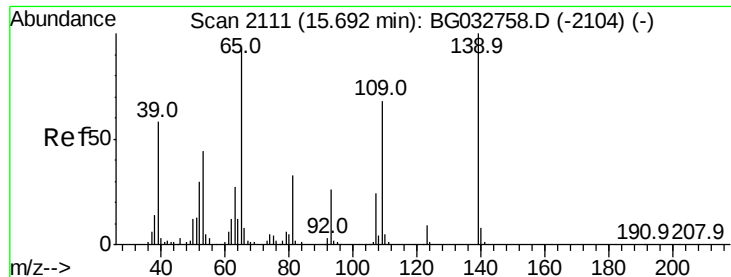
Tot Ion: 65 Resp: 1407
Ion Ratio Lower Upper
65 100
92 215.4 54.6 82.0#
138 38.6 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.619 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.45 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

Tgt Ion:165 Resp: 16844
Ion Ratio Lower Upper
165 100
63 1.5 52.7 79.1#
89 0.0 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.228 ng

RT: 15.92 min Scan# 2151

Delta R.T. 0.25 min

Lab File: BG033024.D

Acq: 6 Mar 2018 16:45

Instrument :

BNA_G

ClientSampled :

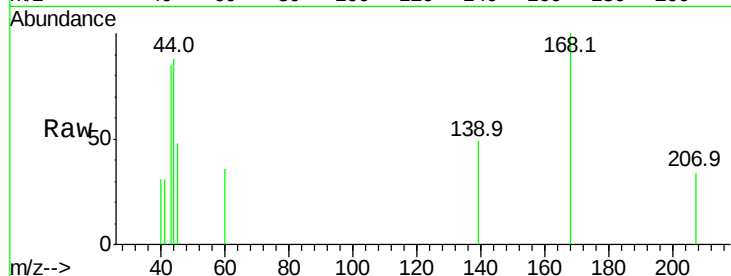
Tot Ion:139 Resp: 285

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

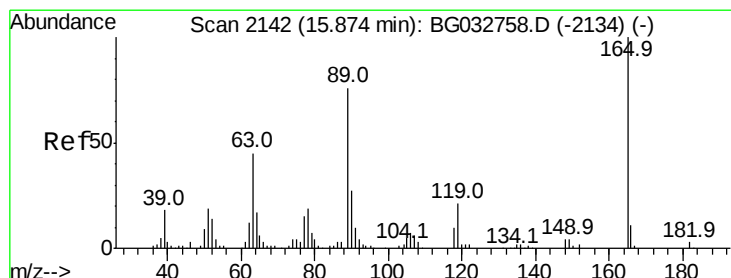
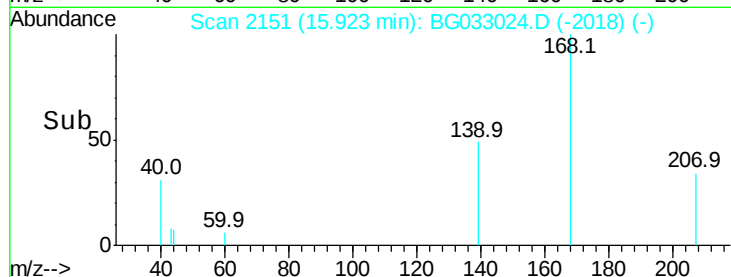
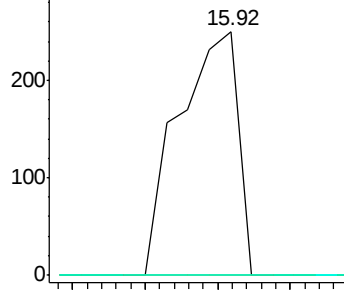
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 14.818 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.32 min

Lab File: BG033024.D

Acq: 6 Mar 2018 16:45

Tgt Ion:165 Resp: 16844

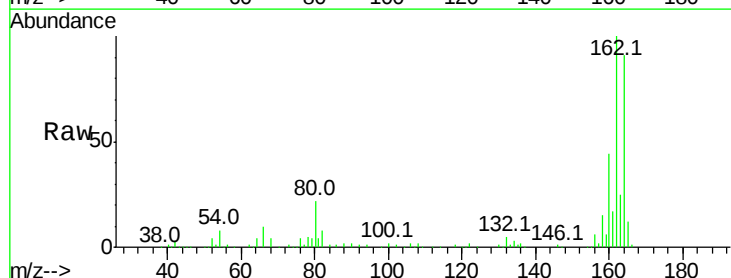
Ion Ratio Lower Upper

165 100

63 1.5 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

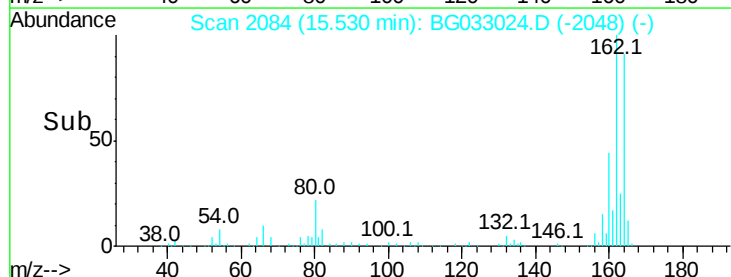
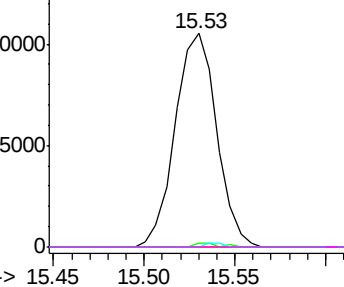


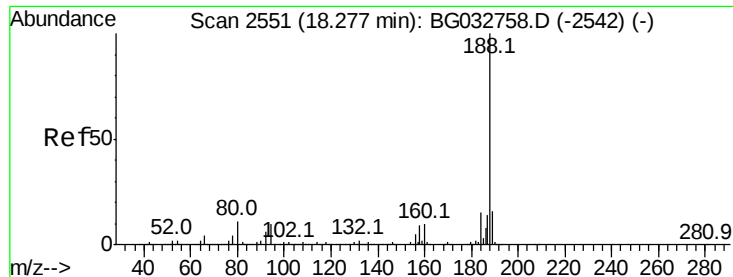
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

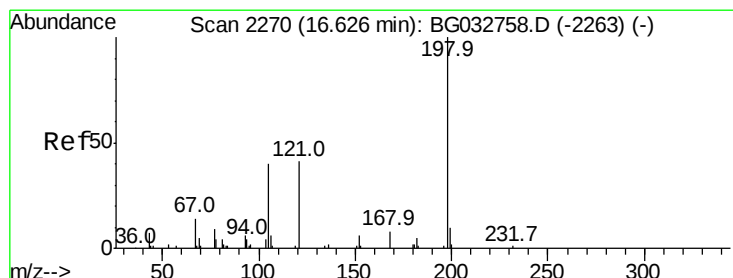
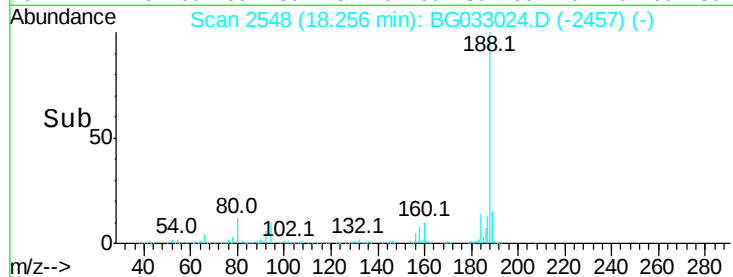
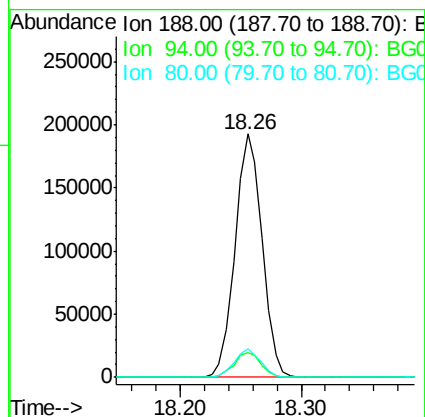
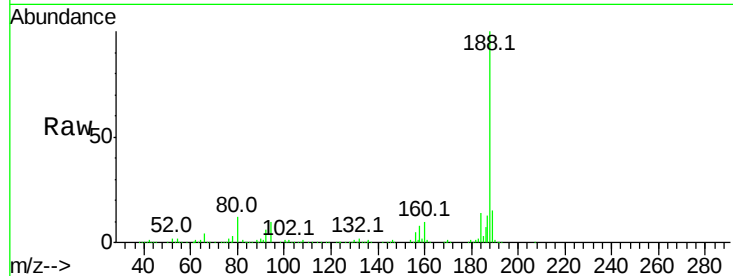




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

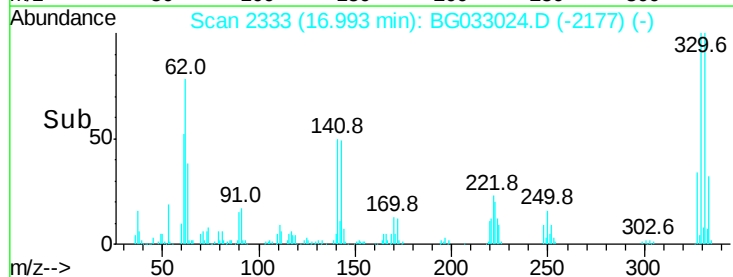
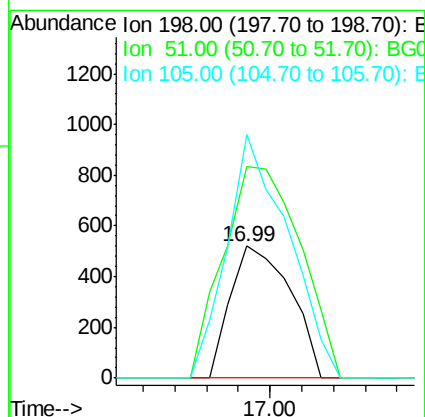
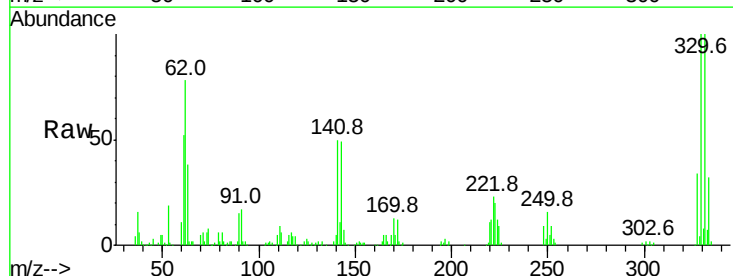
Instrument :
BNA_G
ClientSampleId :

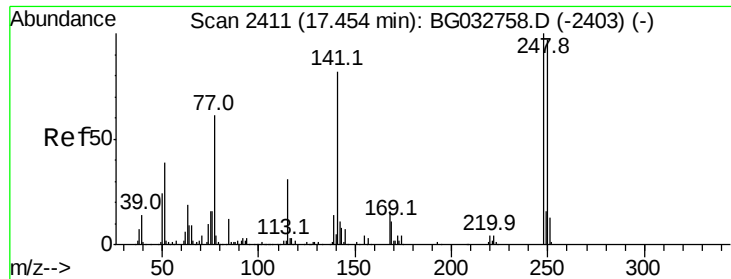
Tot Ion:188 Resp: 300557
Ion Ratio Lower Upper
188 100
94 10.1 6.9 10.3
80 11.9 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.908 ng
RT: 16.99 min Scan# 2333
Delta R.T. 0.38 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

Tgt Ion:198 Resp: 679
Ion Ratio Lower Upper
198 100
51 160.7 30.6 70.6#
105 185.0 23.8 63.8#

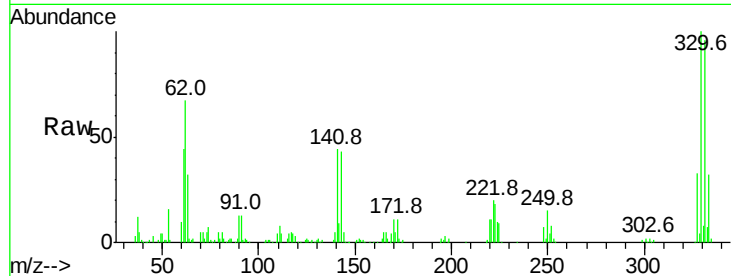




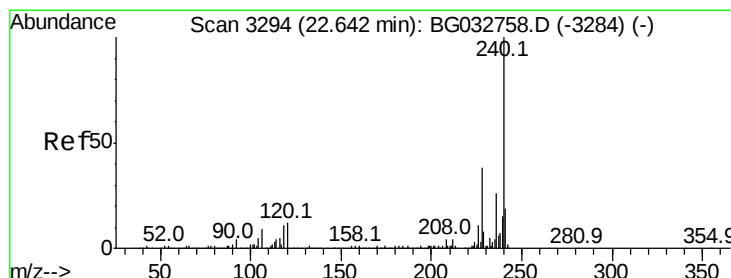
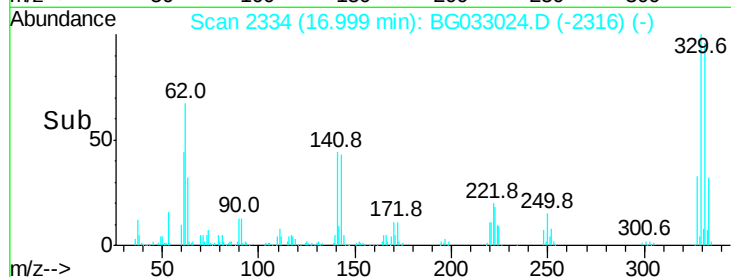
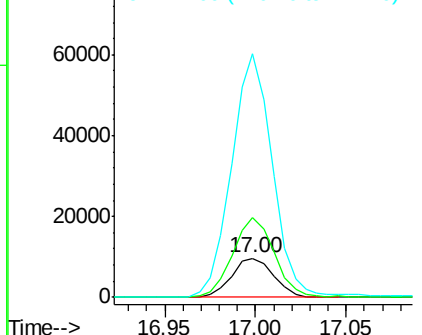
#66
 4-Bromophenyl-phenylether
 Concen: 4.895 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG033024.D
 Acq: 6 Mar 2018 16:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15557
 Ion Ratio Lower Upper
 248 100
 250 202.2 77.1 115.7#
 141 619.3 50.8 76.2#

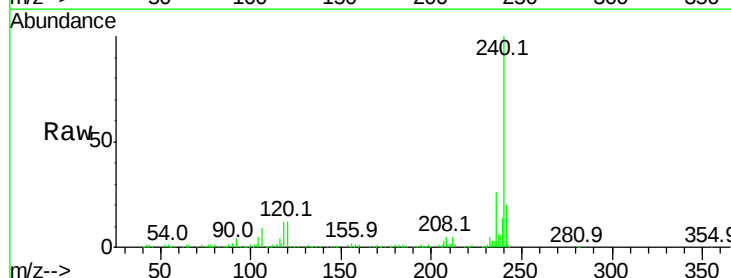


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

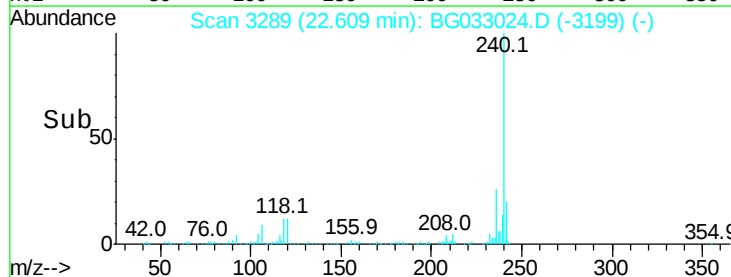
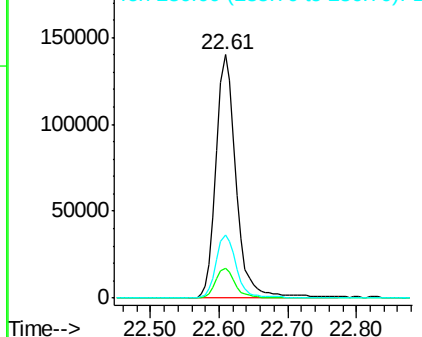


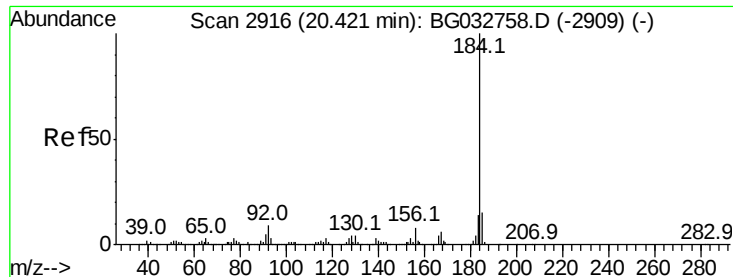
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: BG033024.D
 Acq: 6 Mar 2018 16:45

Tgt Ion:240 Resp: 286019
 Ion Ratio Lower Upper
 240 100
 120 12.5 6.8 10.2#
 236 26.1 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

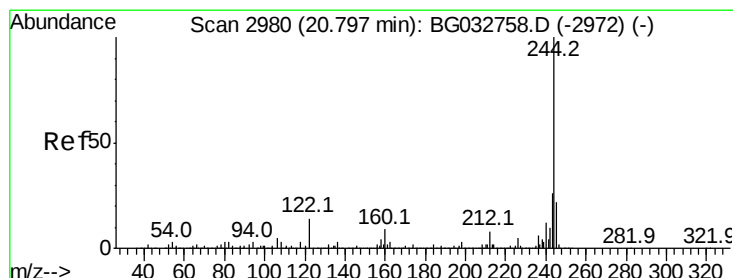
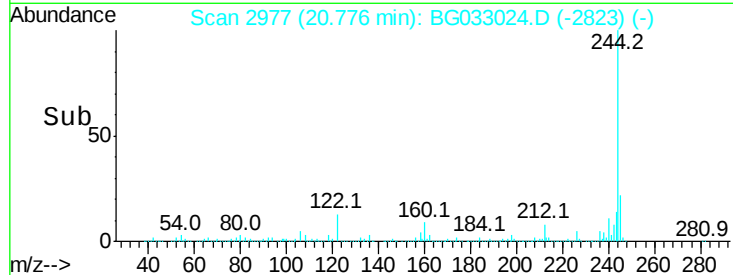
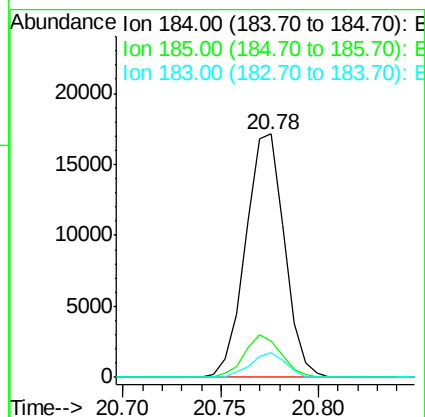
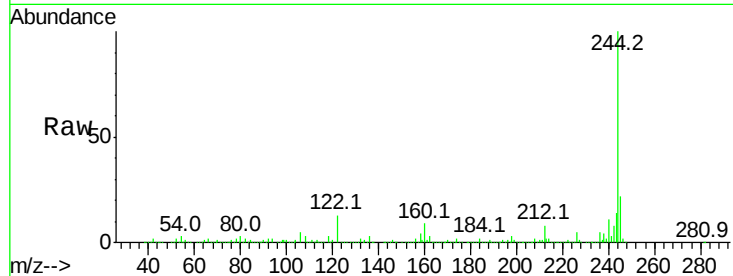




#76
Benzidine
Concen: 2.416 ng
RT: 20.78 min Scan# 2977
Delta R.T. 0.37 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

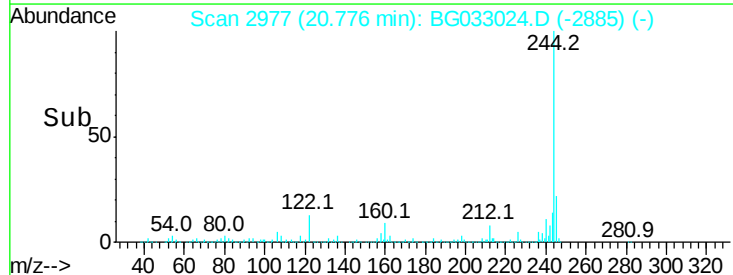
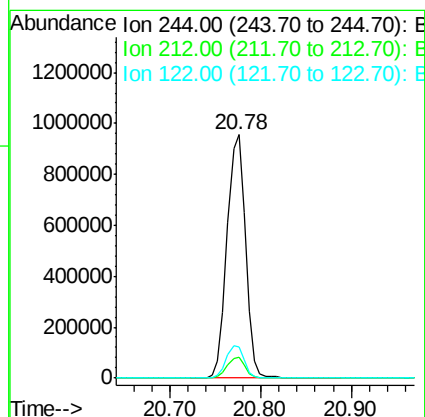
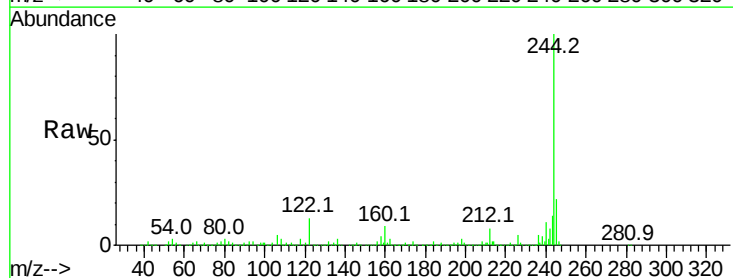
Instrument :
BNA_G
ClientSampleId :

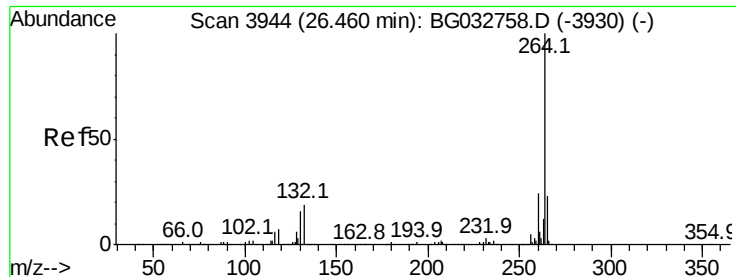
Tot Ion:184 Resp: 23559
Ion Ratio Lower Upper
184 100
185 14.8 11.1 16.7
183 10.2 10.6 16.0#



#78
Terphenyl-d14
Concen: 106.657 ng
RT: 20.78 min Scan# 2977
Delta R.T. 0.01 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

Tgt Ion:244 Resp: 1357797
Ion Ratio Lower Upper
244 100
212 8.4 5.8 8.8
122 12.9 7.0 10.4#

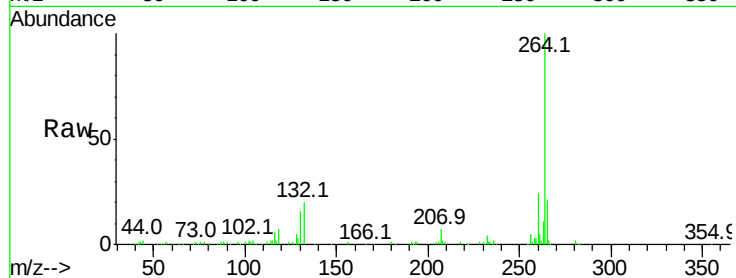




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3936
Delta R.T. 0.00 min
Lab File: BG033024.D
Acq: 6 Mar 2018 16:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	21.1	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

