

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033134.D
 Acq On : 14 Mar 2018 3:28
 Operator : SJ/JU
 Sample : J1885-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:29:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	44869	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	197251	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	106442	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	228837	20.00	ng	0.00
75) Chrysene-d12	22.61	240	209295	20.00	ng	0.00
86) Perylene-d12	26.42	264	180580	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	392957	140.11	ng	0.00
7) Phenol-d6	8.02	99	476210	121.82	ng	0.01
23) Nitrobenzene-d5	10.11	82	358239	121.25	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	149299	133.40	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	739594	100.21	ng	0.00
78) Terphenyl-d14	20.77	244	1074084	115.30	ng	0.00

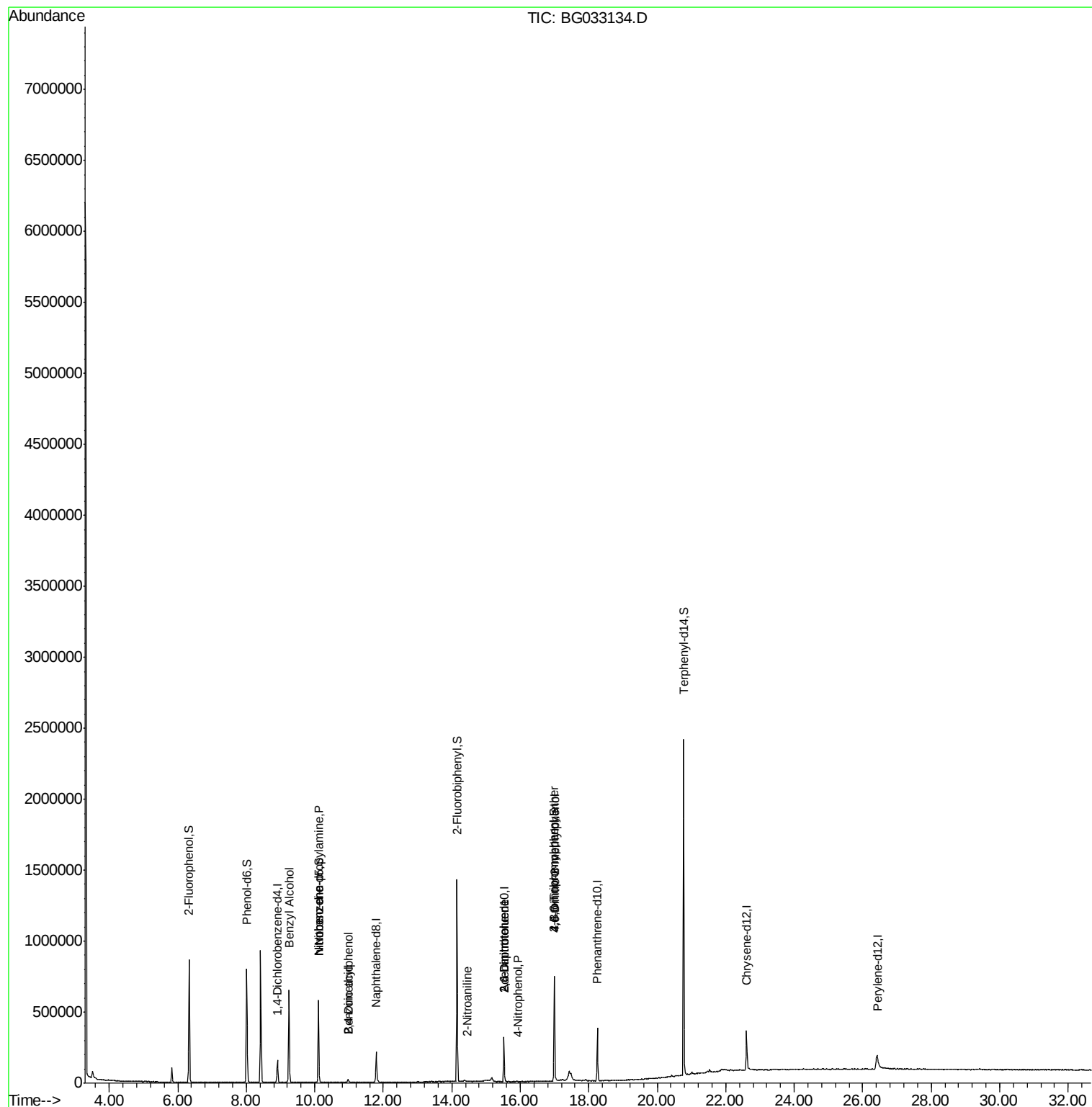
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.24	79	5764	2.006	ng	# 51
19) n-Nitroso-di-n-propylamine	10.11	70	47322	17.147	ng	# 89
24) Nitrobenzene	10.11	77	1191	6.709	ng	# 43
27) 2,4-Dimethylphenol	10.97	122	9937	3.304	ng	# 1
32) Benzoic acid	10.97	122	9937	11.965	ng	# 82
47) 2-Nitroaniline	14.45	65	54	9.860	ng	# 9
50) 2,6-Dinitrotoluene	15.52	165	13971	16.506	ng	# 20
55) 4-Nitrophenol	15.92	139	752	7.544	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	13971	14.705	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	333	5.567	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	9690	4.005	ng	# 1

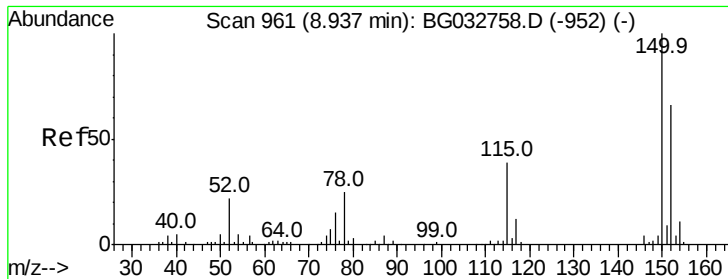
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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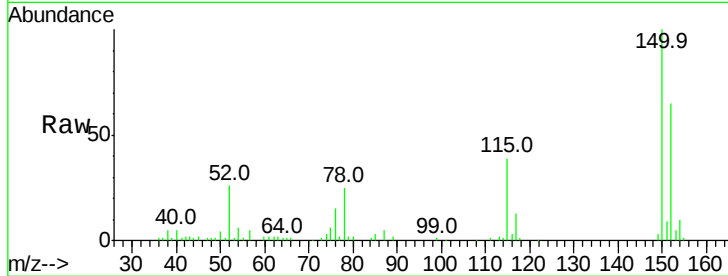


#1

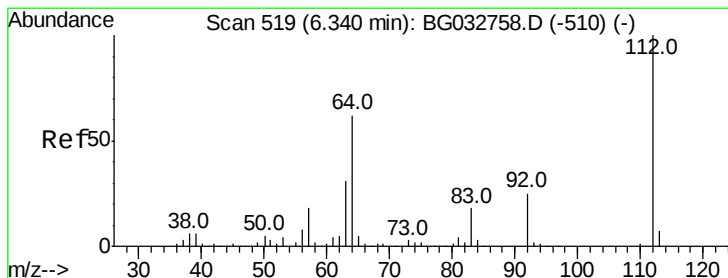
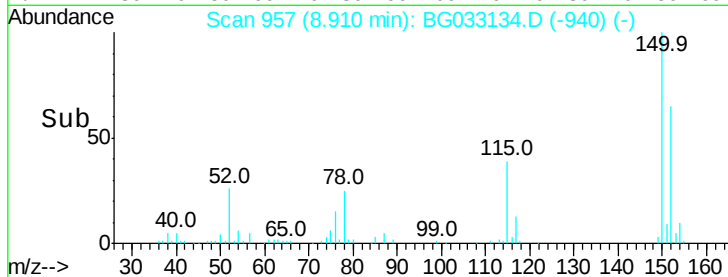
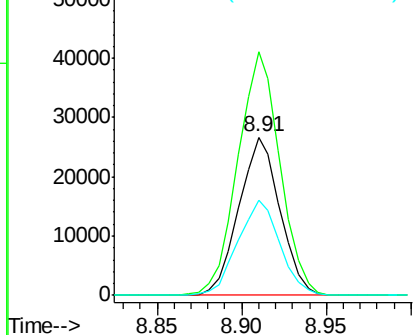
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033134.D
Acq: 14 Mar 2018 3:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 44869
Ion Ratio Lower Upper
152 100
150 154.2 126.6 189.8
115 60.1 53.0 79.4



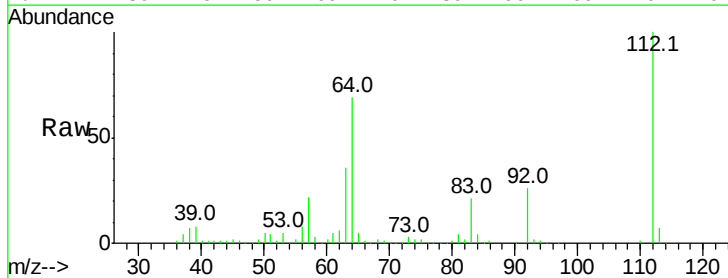
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



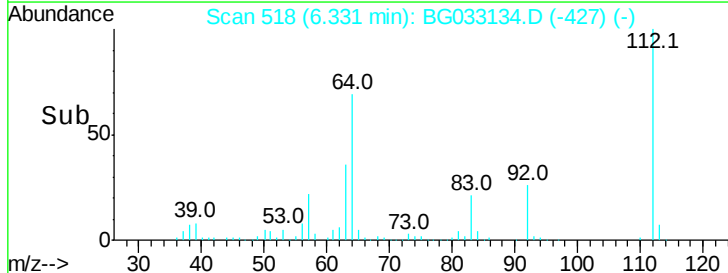
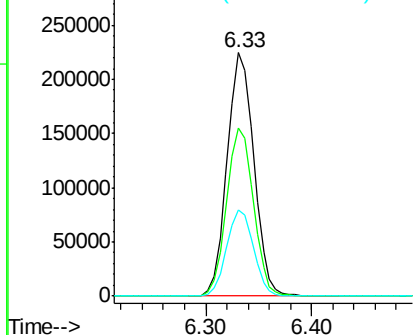
#5

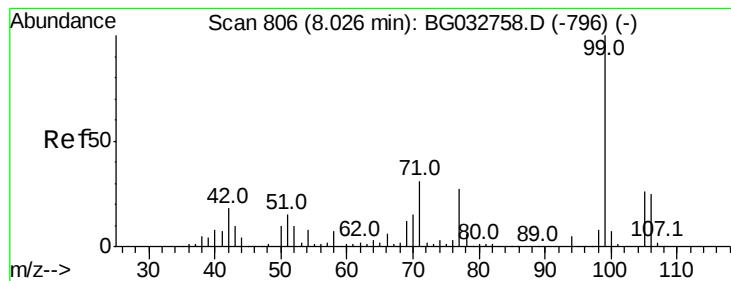
2-Fluorophenol
Concen: 140.113 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033134.D
Acq: 14 Mar 2018 3:28

Tgt Ion:112 Resp: 392957
Ion Ratio Lower Upper
112 100
64 69.0 56.3 84.5
63 35.6 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: 121.818 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

Instrument :

BNA_G

ClientSampleId :

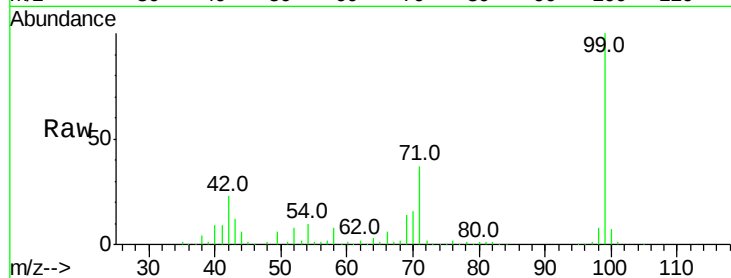
Tot Ion: 99 Resp: 476210

Ion Ratio Lower Upper

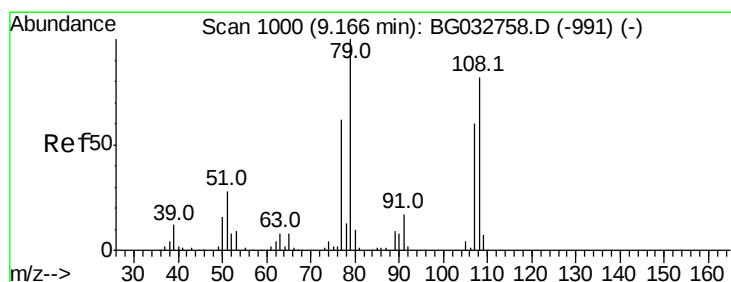
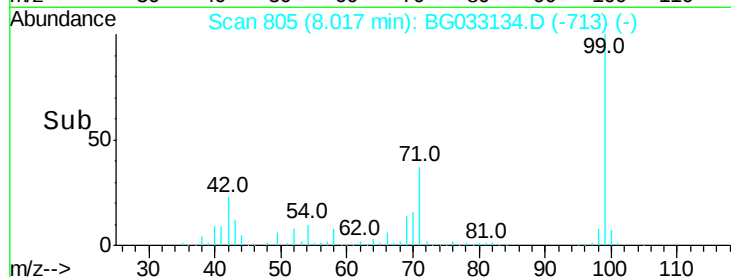
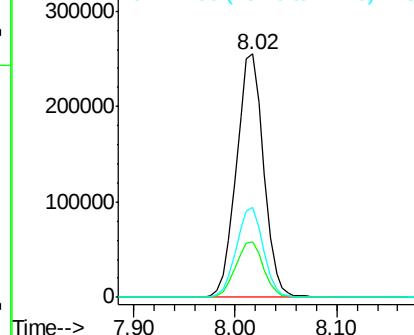
99 100

42 22.7 14.1 21.1#

71 36.8 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: 2.006 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.09 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

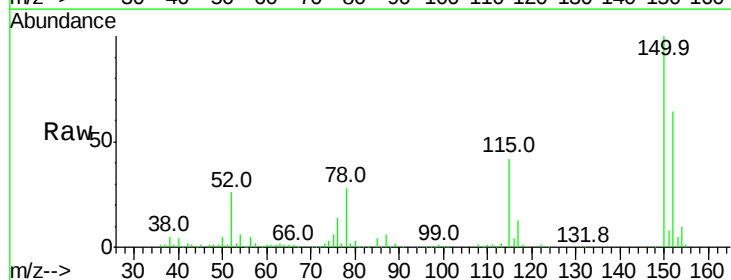
Tgt Ion: 79 Resp: 5764

Ion Ratio Lower Upper

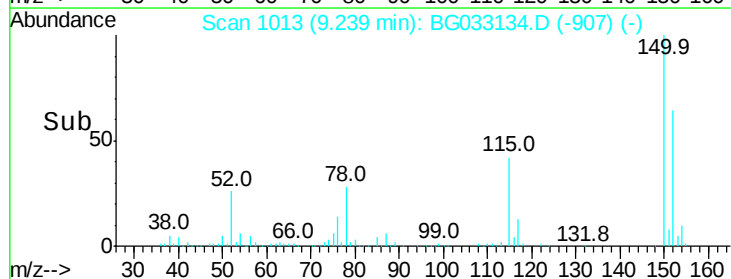
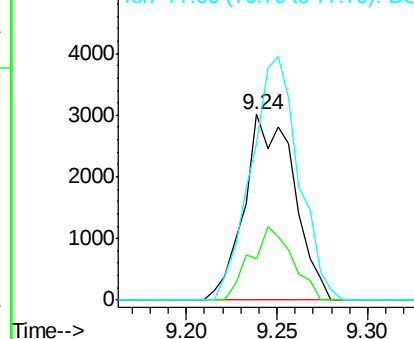
79 100

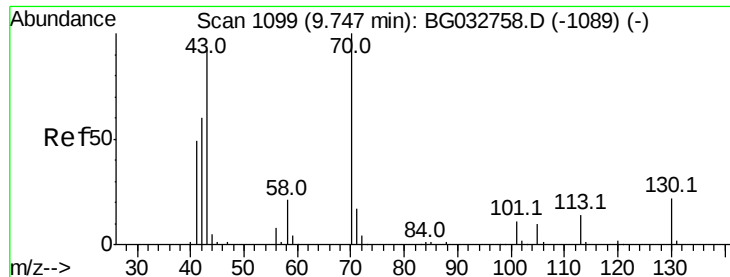
108 21.9 57.2 85.8#

77 84.5 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

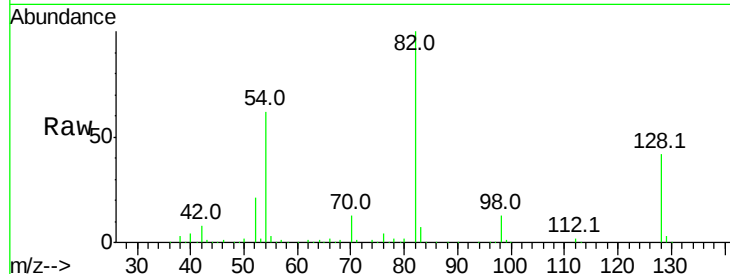




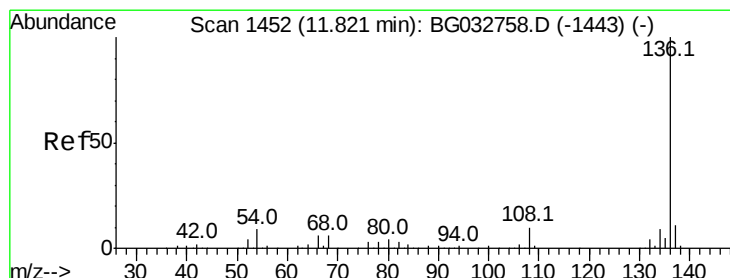
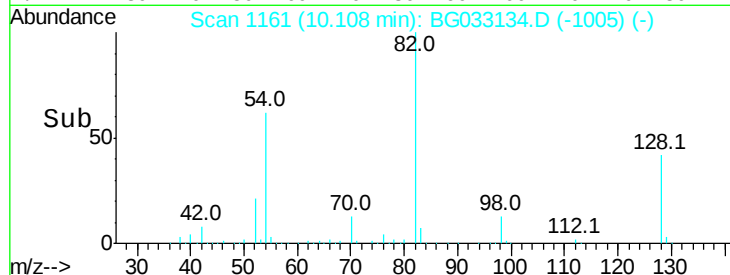
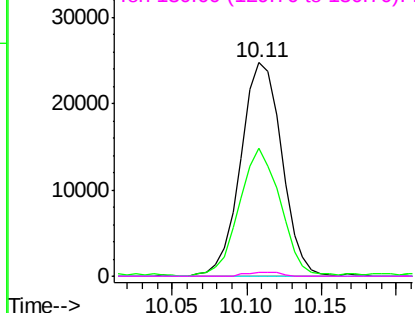
#19
n-Nitroso-di-n-propylamine
Concen: 17.147 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.39 min
Lab File: BG033134.D
Acq: 14 Mar 2018 3:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 47322
Ion Ratio Lower Upper
70 100
42 59.7 49.1 73.7
101 0.0 8.5 12.7#
130 1.7 13.4 20.0#

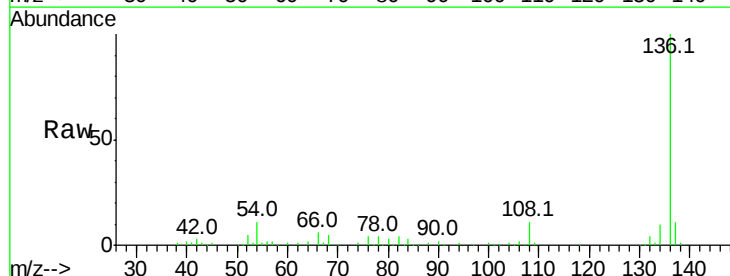


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

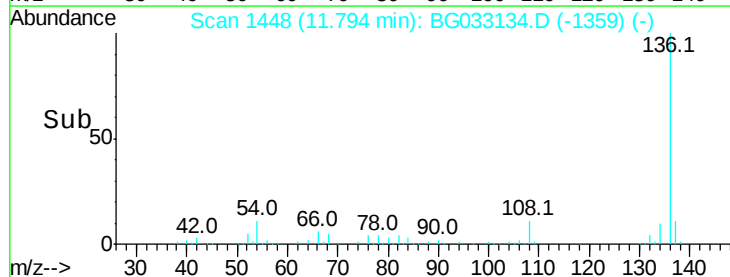
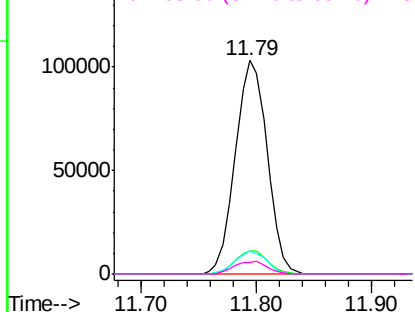


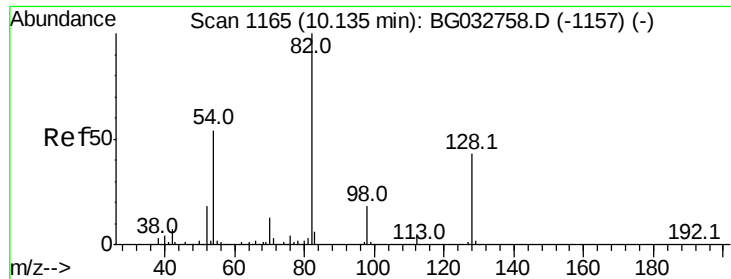
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033134.D
Acq: 14 Mar 2018 3:28

Tgt Ion: 136 Resp: 197251
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 10.6 10.3 15.5
68 5.4 4.5 6.7



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





#23

Nitrobenzene-d5

Concen: 121.247 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

Instrument :

BNA_G

ClientSampleId :

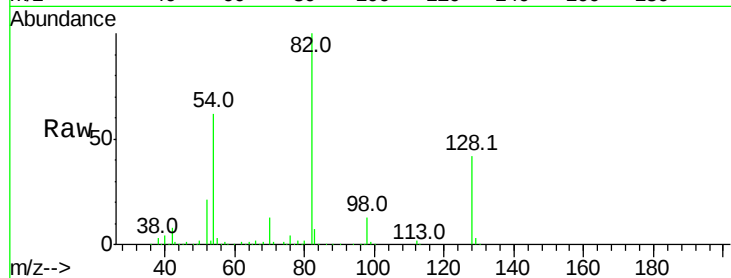
Tot Ion: 82 Resp: 358239

Ion Ratio Lower Upper

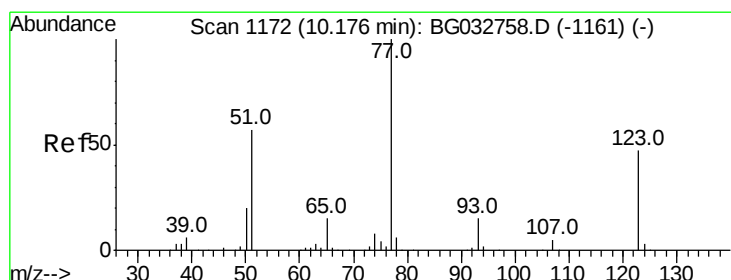
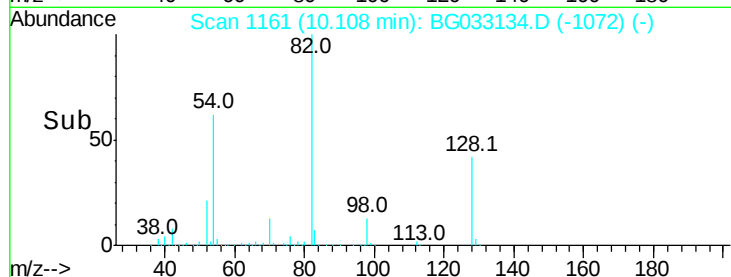
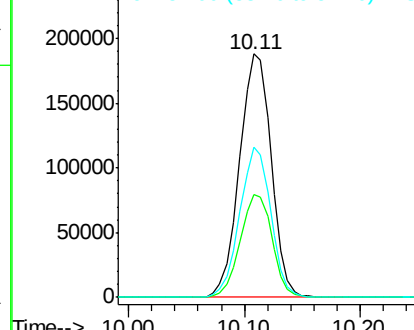
82 100

128 42.5 29.7 44.5

54 61.7 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



#24

Nitrobenzene

Concen: 6.709 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

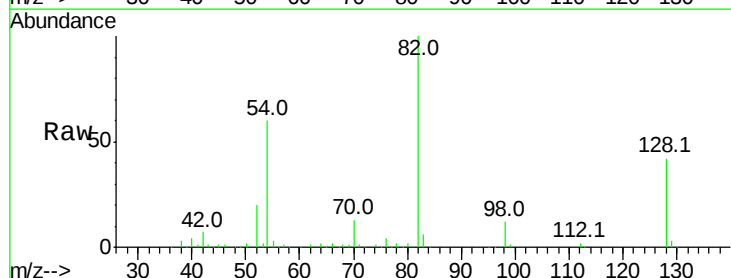
Tgt Ion: 77 Resp: 1191

Ion Ratio Lower Upper

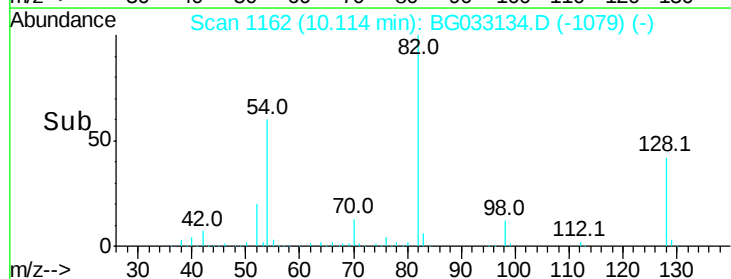
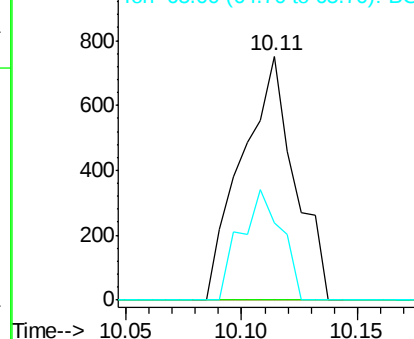
77 100

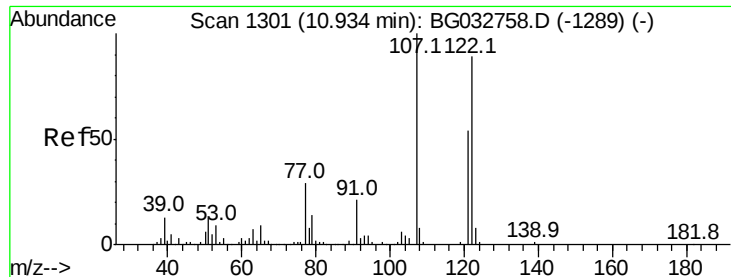
123 0.0 33.0 49.6#

65 31.6 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

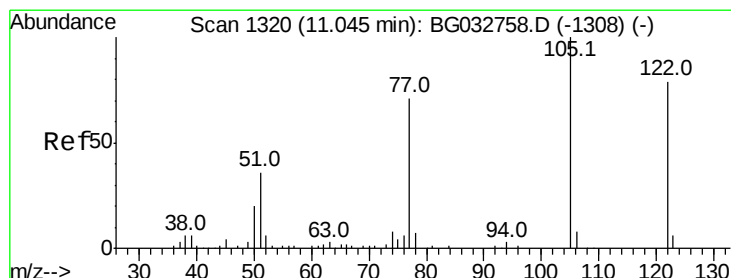
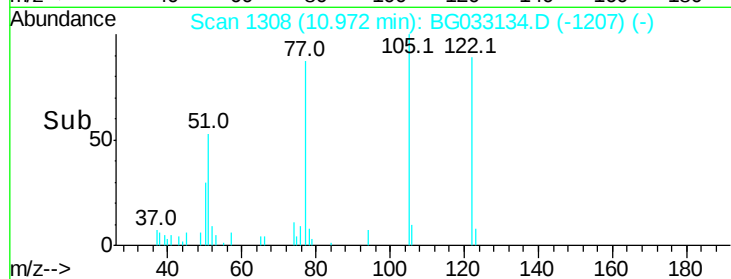
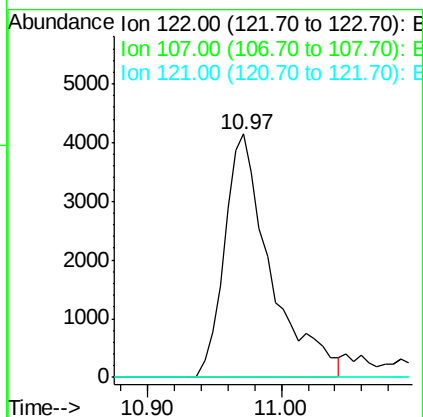
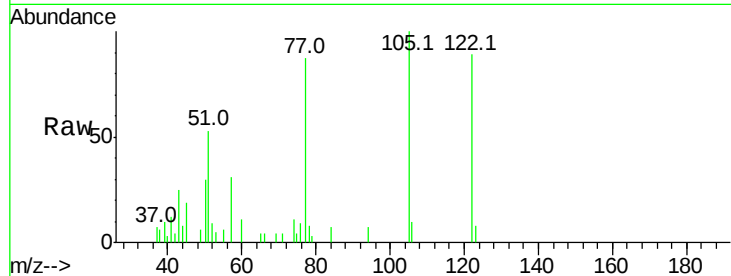




#27
2,4-Dimethylphenol
Concen: 3.304 ng
RT: 10.97 min Scan# 1308
Delta R.T. 0.07 min
Lab File: BG033134.D
Acq: 14 Mar 2018 3:28

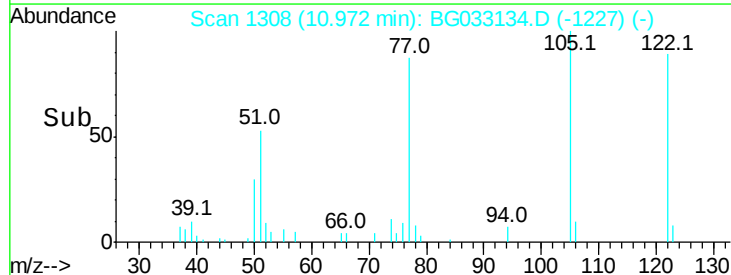
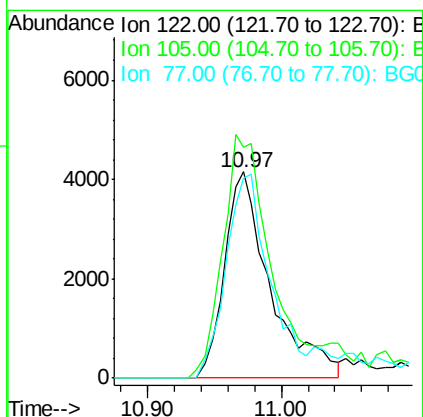
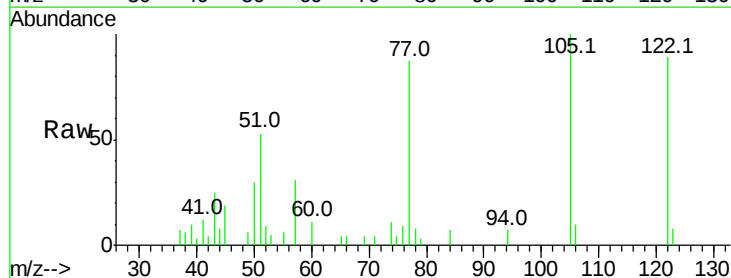
Instrument :
BNA_G
ClientSampleId :

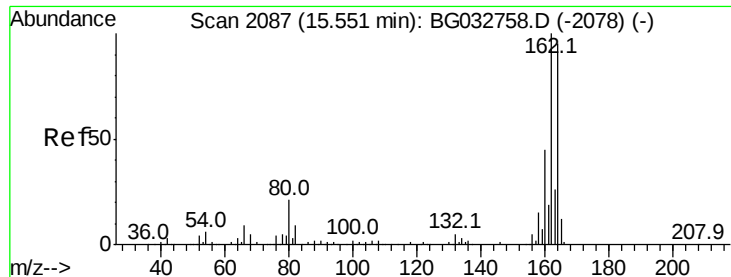
Tot Ion:122 Resp: 9937
Ion Ratio Lower Upper
122 100
107 0.0 100.2 150.2#
121 0.0 44.4 66.6#



#32
Benzoic acid
Concen: 11.965 ng
RT: 10.97 min Scan# 1308
Delta R.T. -0.05 min
Lab File: BG033134.D
Acq: 14 Mar 2018 3:28

Tgt Ion:122 Resp: 9937
Ion Ratio Lower Upper
122 100
105 112.0 123.5 163.5#
77 97.0 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

Instrument :

BNA_G

ClientSampleId :

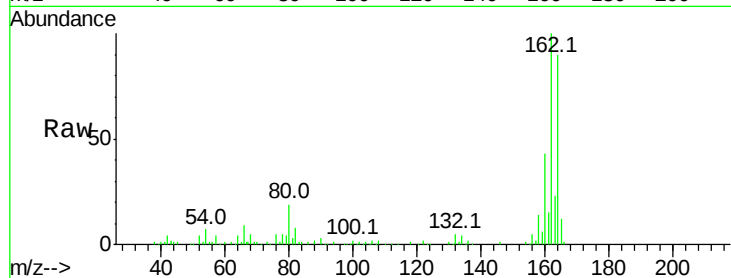
Tot Ion:164 Resp: 106442

Ion Ratio Lower Upper

164 100

162 111.0 78.8 118.2

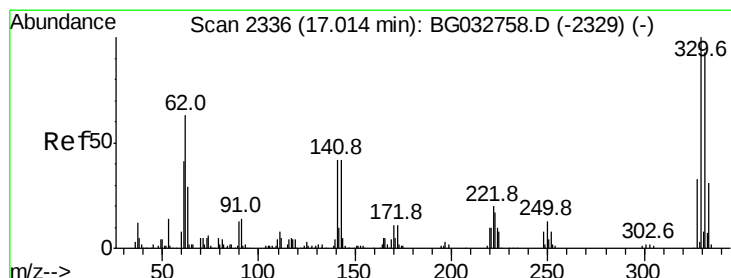
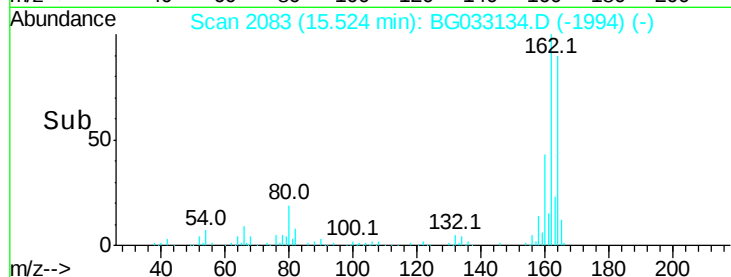
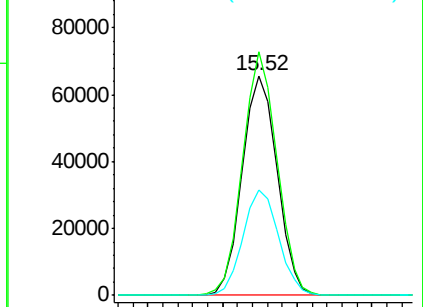
160 47.8 35.4 53.0



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: 133.398 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

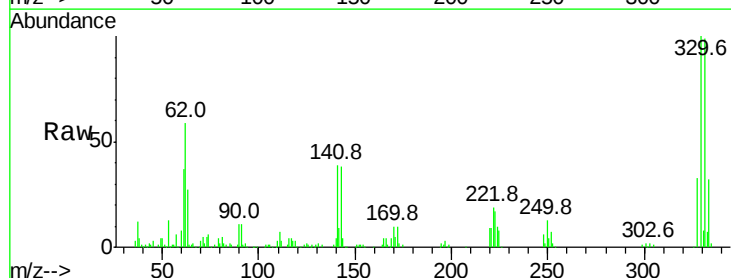
Tgt Ion:330 Resp: 149299

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

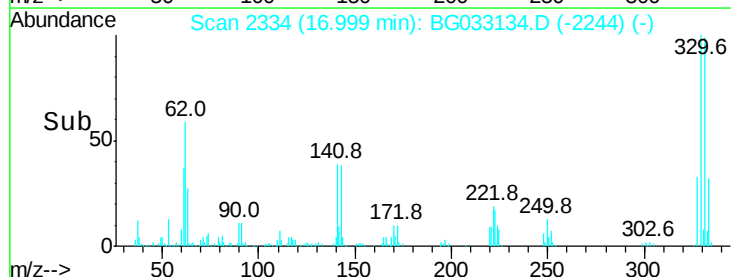
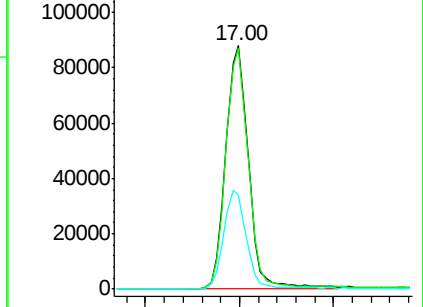
141 39.8 25.2 37.8#

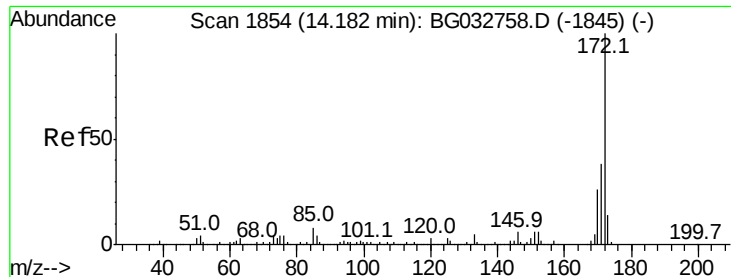


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

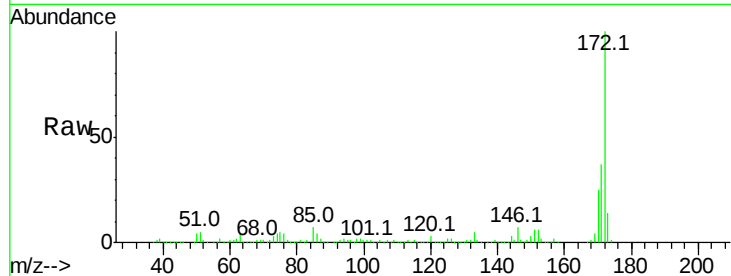




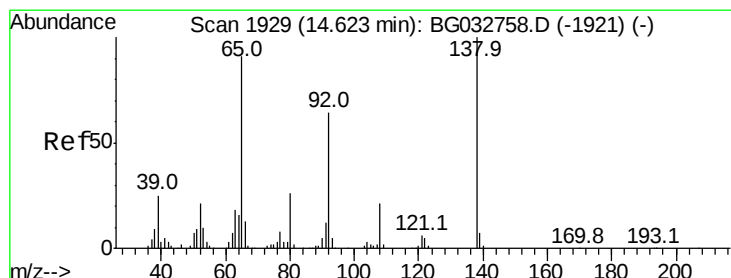
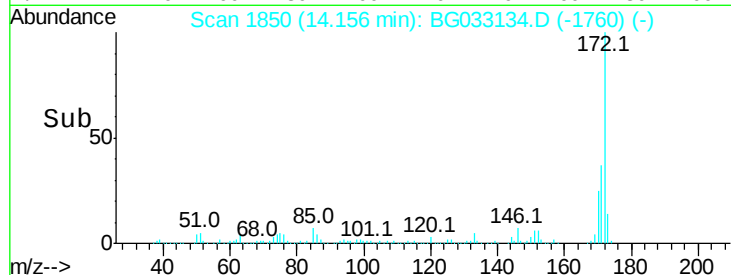
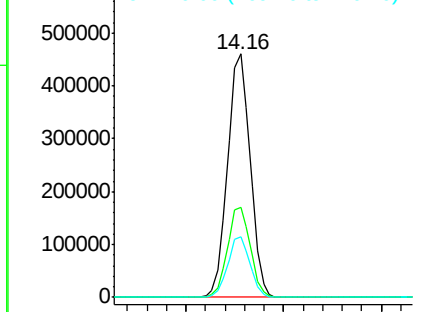
#44
2-Fluorobiphenyl
Concen: 100.212 ng
RT: 14.16 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BG033134.D
Acq: 14 Mar 2018 3:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 739594
Ion Ratio Lower Upper
172 100
171 37.1 30.0 45.0
170 24.7 19.5 29.3

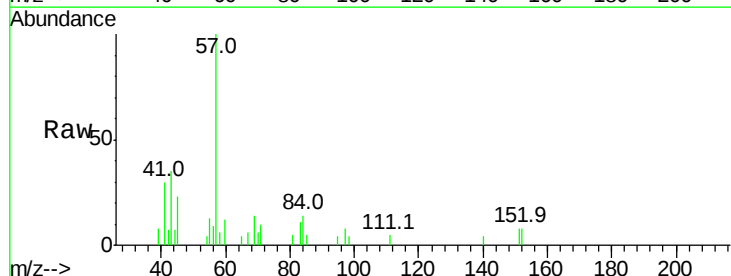


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

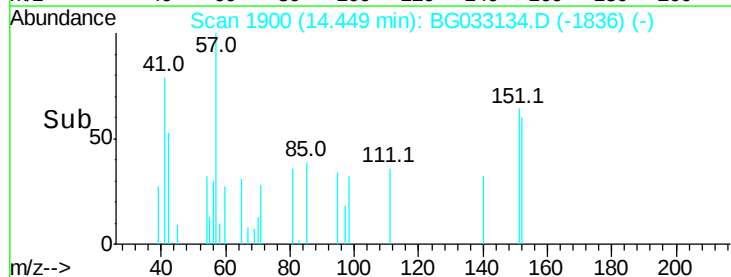
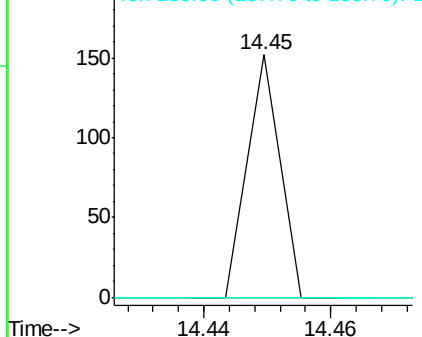


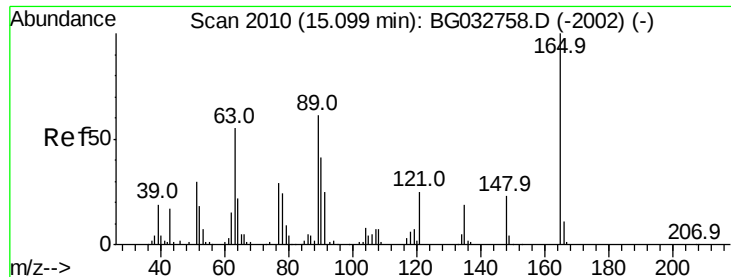
#47
2-Nitroaniline
Concen: 9.860 ng
RT: 14.45 min Scan# 1900
Delta R.T. -0.15 min
Lab File: BG033134.D
Acq: 14 Mar 2018 3:28

Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 16.506 ng

RT: 15.52 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

Instrument :

BNA_G

ClientSampleId :

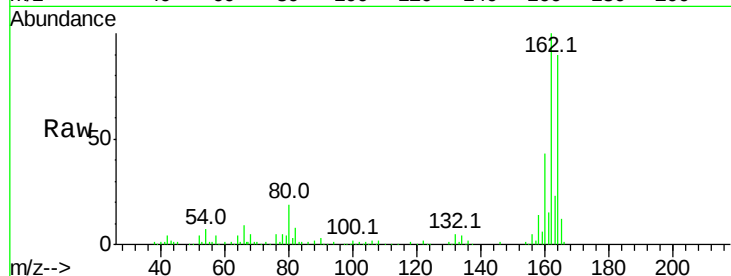
Tot Ion:165 Resp: 13971

Ion Ratio Lower Upper

165 100

63 3.3 52.7 79.1#

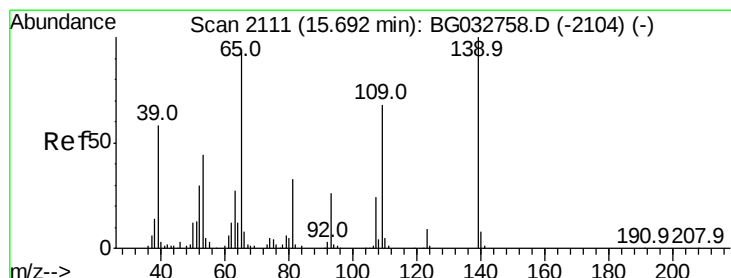
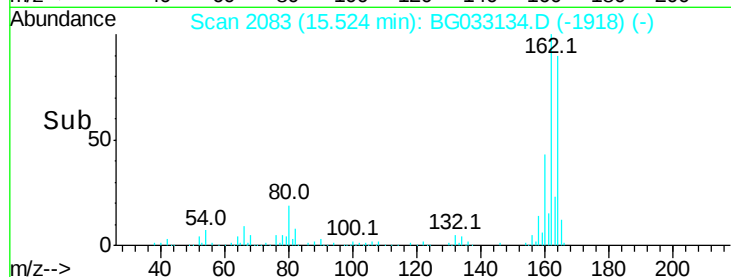
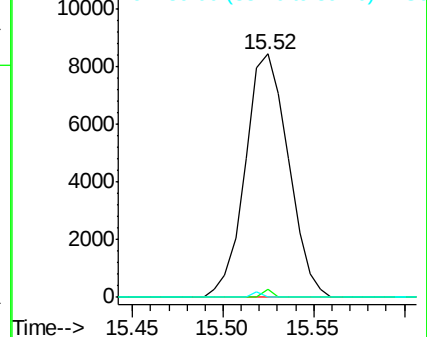
89 0.0 49.2 73.8#



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



#55

4-Nitrophenol

Concen: 7.544 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.24 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

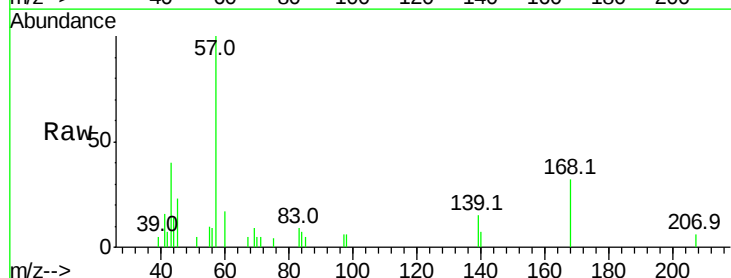
Tgt Ion:139 Resp: 752

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

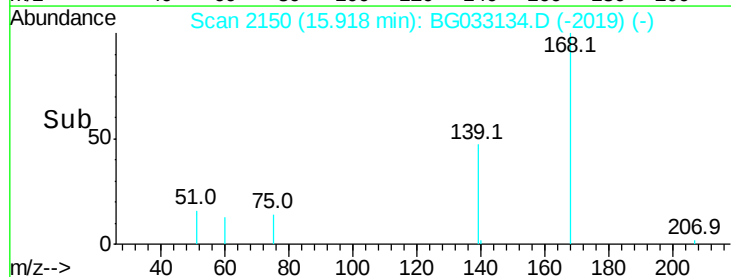
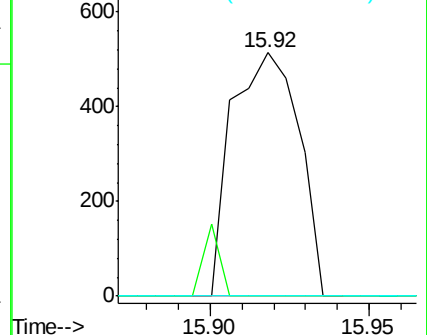
65 0.0 97.2 137.2#

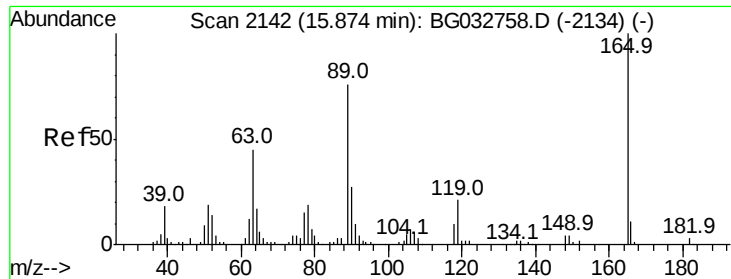


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

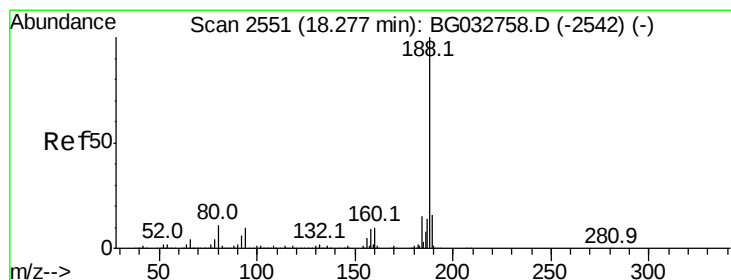
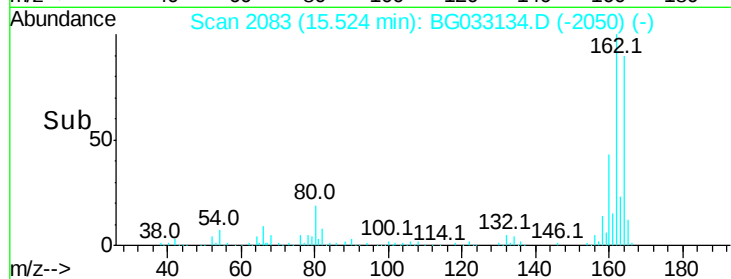
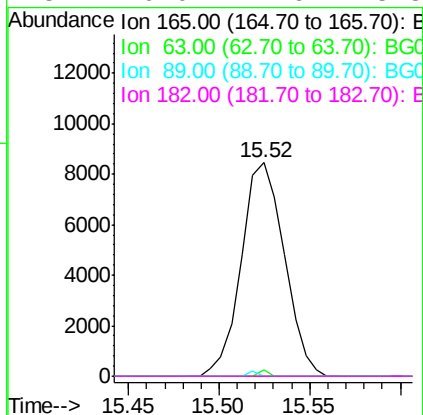
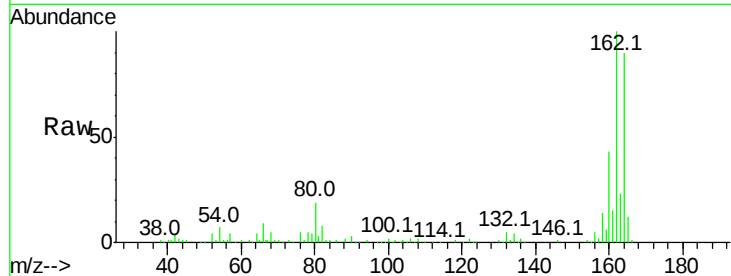




#56
 2,4-Dinitrotoluene
 Concen: 14.705 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG033134.D
 Acq: 14 Mar 2018 3:28

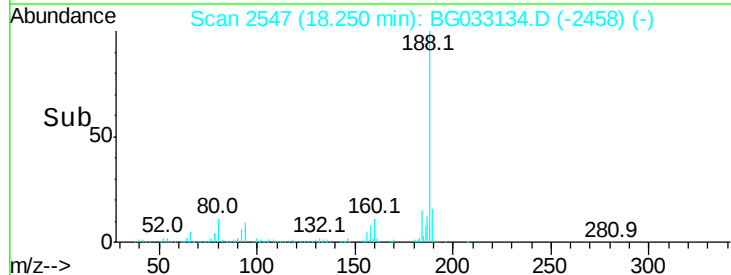
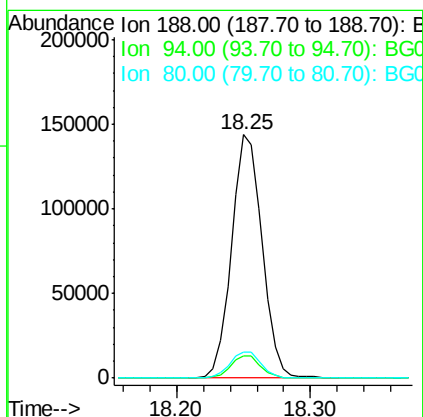
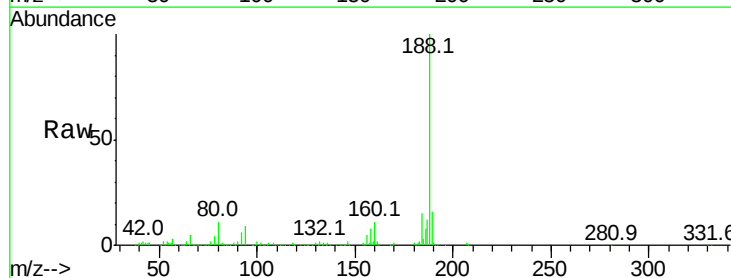
Instrument :
 BNA_G
 ClientSampleId :

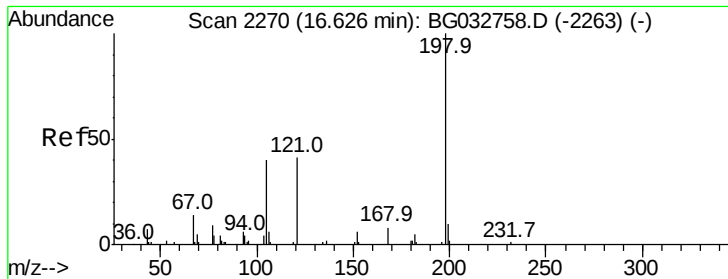
Tot Ion:165 Resp: 13971
 Ion Ratio Lower Upper
 165 100
 63 3.3 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BG033134.D
 Acq: 14 Mar 2018 3:28

Tgt Ion:188 Resp: 228837
 Ion Ratio Lower Upper
 188 100
 94 9.3 6.9 10.3
 80 10.6 7.7 11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.567 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.39 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

Instrument :

BNA_G

ClientSampled :

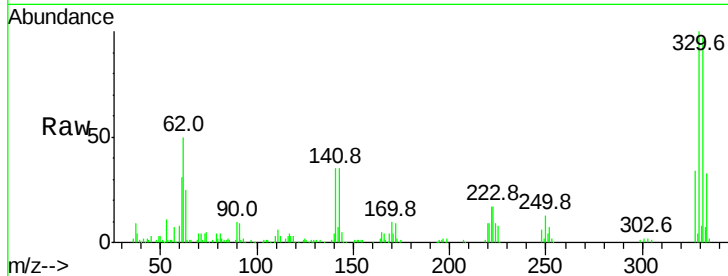
Tot Ion:198 Resp: 333

Ion Ratio Lower Upper

198 100

51 137.4 30.6 70.6#

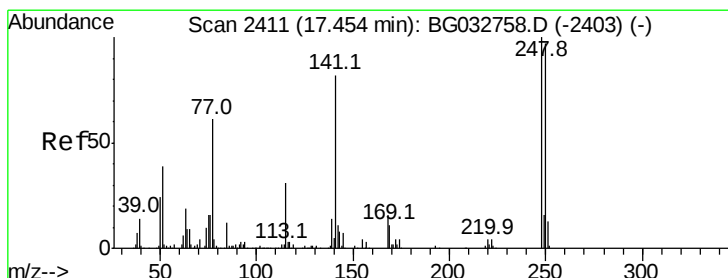
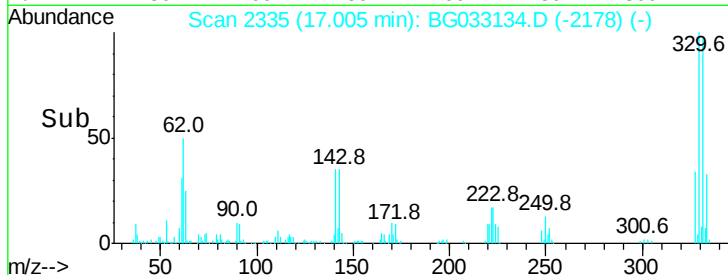
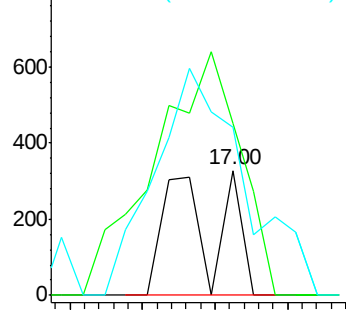
105 134.3 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.005 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

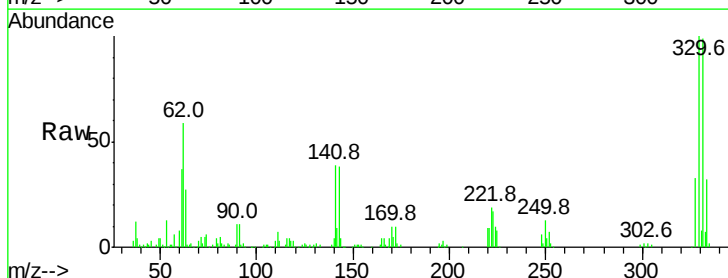
Tgt Ion:248 Resp: 9690

Ion Ratio Lower Upper

248 100

250 197.8 77.1 115.7#

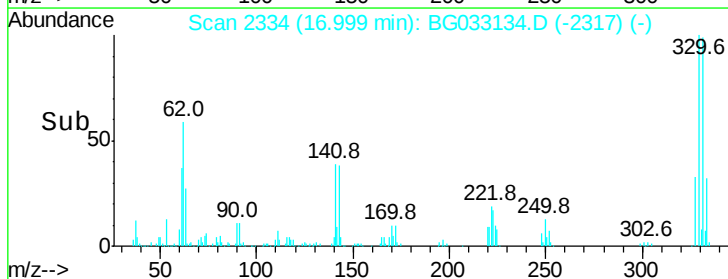
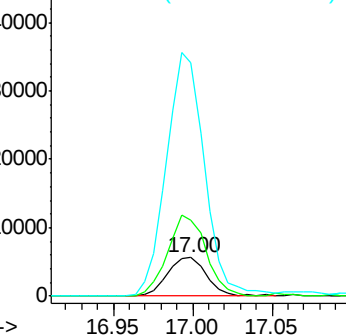
141 607.7 50.8 76.2#

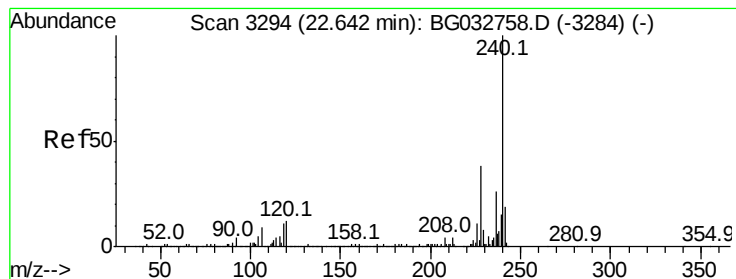


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG033134.D

Acq: 14 Mar 2018 3:28

Instrument :

BNA_G

ClientSampleId :

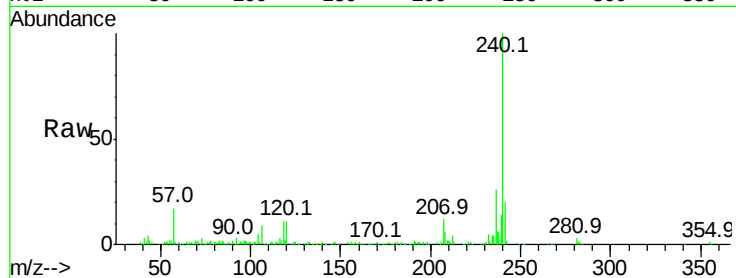
Tot Ion:240 Resp: 209295

Ion Ratio Lower Upper

240 100

120 10.7 6.8 10.2#

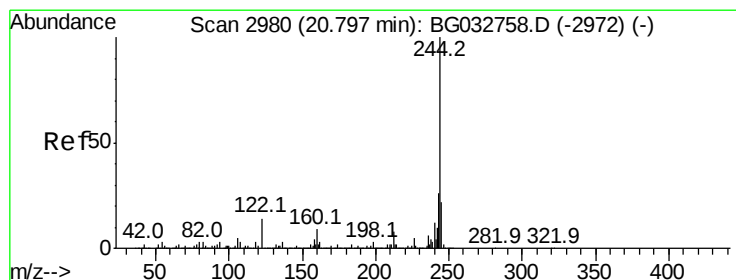
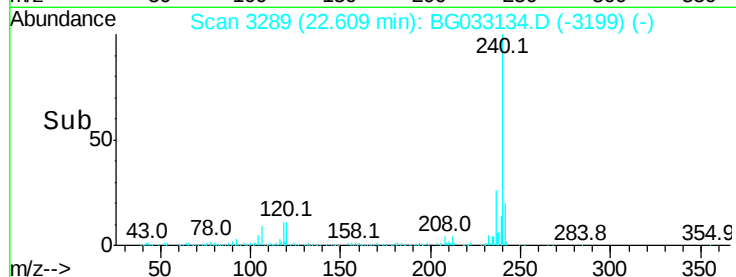
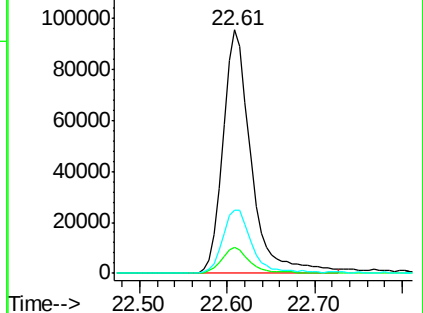
236 26.1 20.9 31.3



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



#78

Terphenyl-d14

Concen: 115.300 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

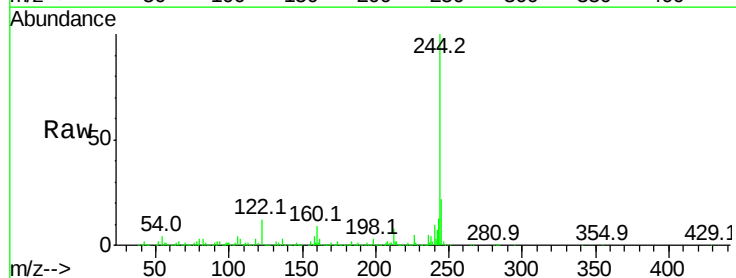
Tgt Ion:244 Resp: 1074084

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

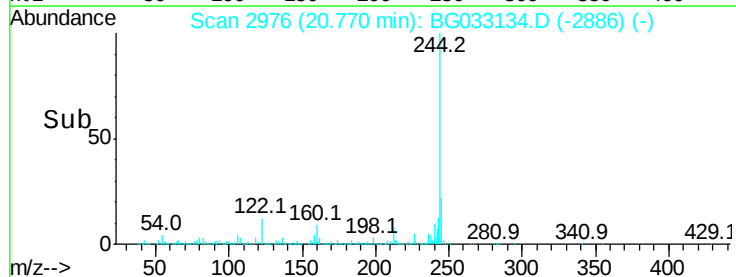
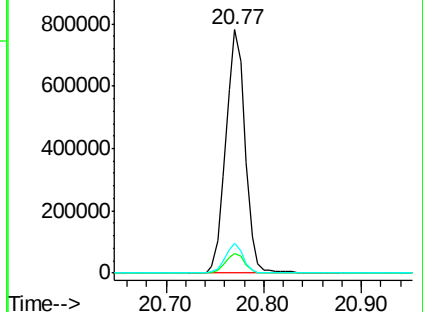
122 12.2 7.0 10.4#

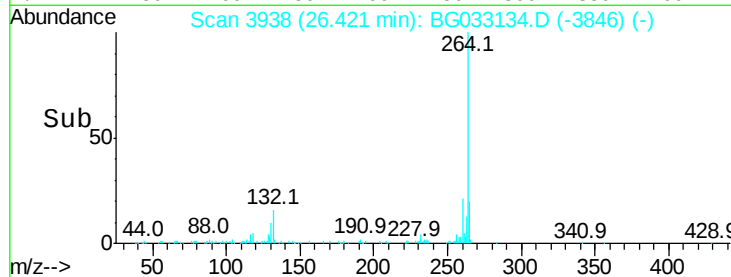
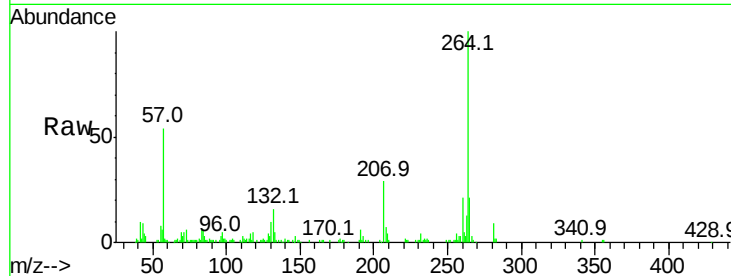
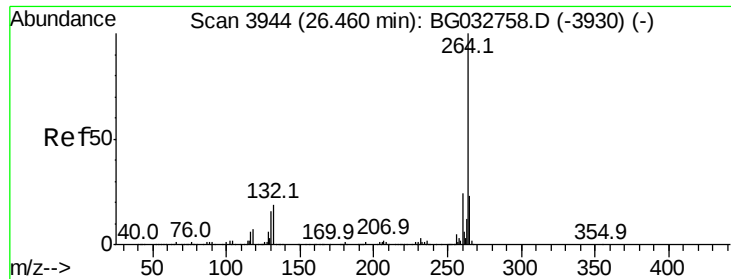


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.42 min Scan# 3938

Delta R.T. 0.01 min

Lab File: BG033134.D

Acq: 14 Mar 2018 3:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 180580

Ion Ratio Lower Upper

264 100

260 21.1 17.4 26.0

265 21.1 17.7 26.5

