

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
 Data File : BG041340.D
 Acq On : 20 Jun 2019 00:34
 Operator : HP/JU
 Sample : K3158-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 02:26:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	42400	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	161713	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	110393	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	261155	20.00	ng	0.00
76) Chrysene-d12	21.74	240	243389	20.00	ng	0.00
87) Perylene-d12	25.06	264	248207	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	284626	123.34	ng	0.00
7) Phenol-d6	7.24	99	350642	104.83	ng	0.00
23) Nitrobenzene-d5	9.26	82	356872	92.81	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	227389	134.17	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	785262	96.68	ng	0.00
79) Terphenyl-d14	20.06	244	1181284	96.19	ng	0.00

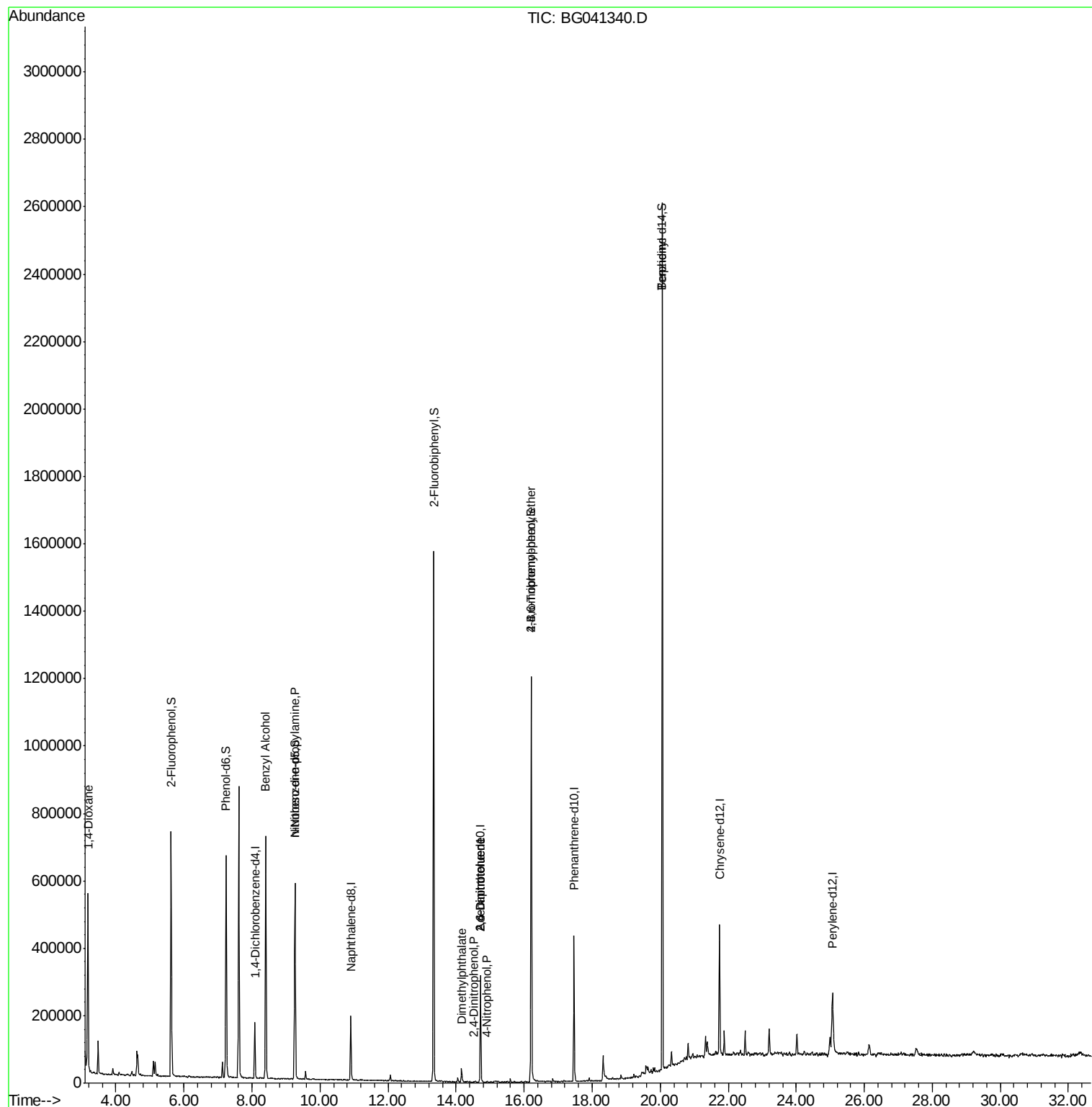
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	6077	5.252	ng	# 1
15) Benzyl Alcohol	8.40	79	6733	2.101	ng	# 62
19) n-Nitroso-di-n-propylamine	9.26	70	52755	19.501	ng	# 76
50) Dimethylphthalate	14.16	163	28079	2.859	ng	# 96
51) 2,6-Dinitrotoluene	14.72	165	13615	6.574	ng	# 16
54) 2,4-Dinitrophenol	14.52	184	62	4.885	ng	# 13
56) 4-Nitrophenol	14.90	139	72	3.260	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	13615	4.497	ng	# 20
67) 4-Bromophenyl-phenylether	16.21	248	16663	4.935	ng	# 1
77) Benzidine	20.06	184	20585	3.497	ng	# 82

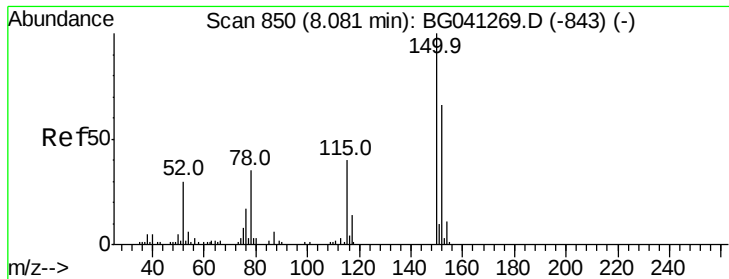
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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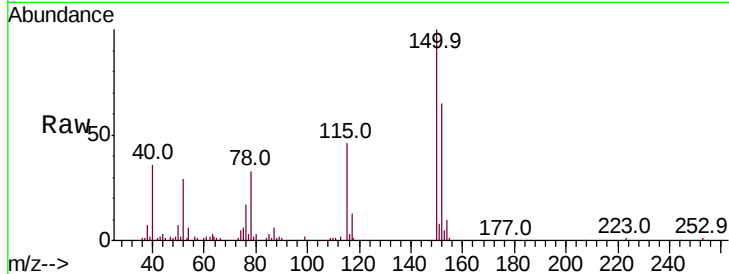


#1

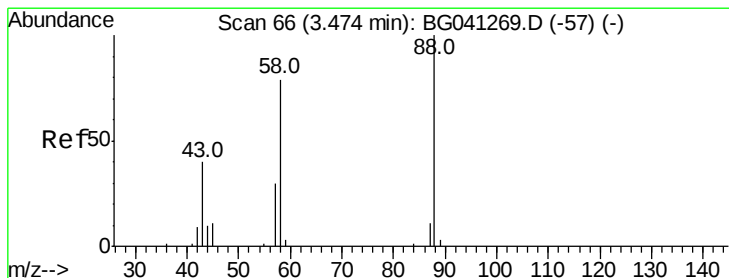
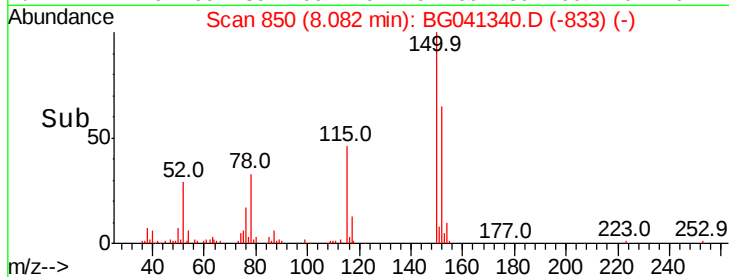
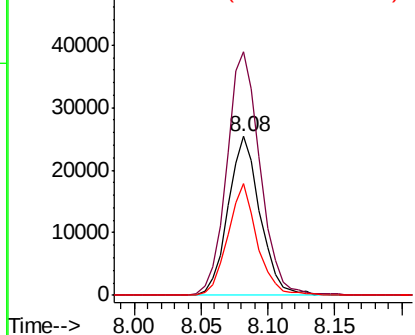
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041340.D
Acq: 20 Jun 2019 00:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 42400
Ion Ratio Lower Upper
152 100
150 153.3 120.6 181.0
115 70.7 47.9 71.9



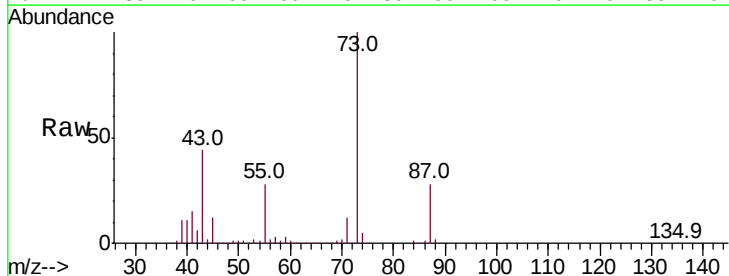
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



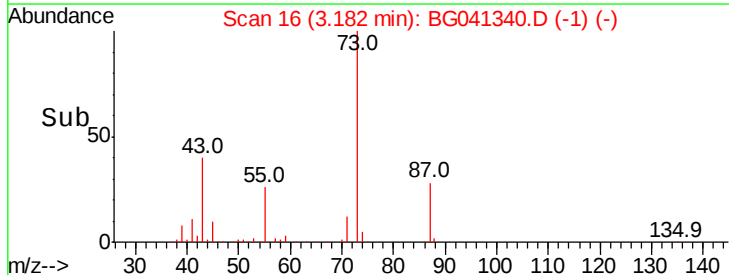
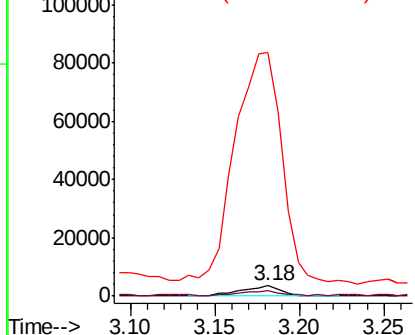
#2

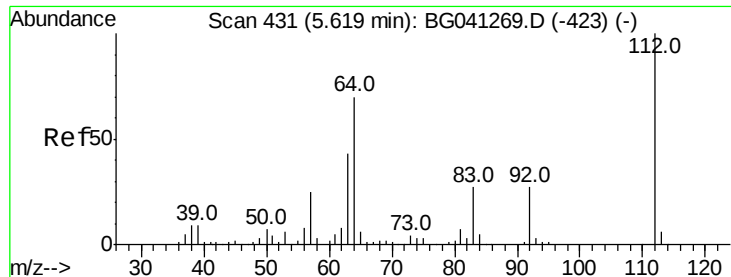
1,4-Dioxane
Concen: 5.252 ng
RT: 3.18 min Scan# 16
Delta R.T. -0.29 min
Lab File: BG041340.D
Acq: 20 Jun 2019 00:34

Tgt Ion: 88 Resp: 6077
Ion Ratio Lower Upper
88 100
58 40.2 59.7 89.5#
43 2570.2 31.9 47.9#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 123.343 ng

RT: 5.63 min Scan# 432

Delta R.T. 0.01 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

Instrument :

BNA_G

ClientSampleId :

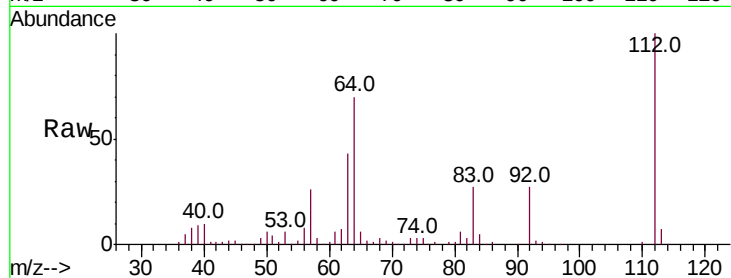
Tot Ion:112 Resp: 284626

Ion Ratio Lower Upper

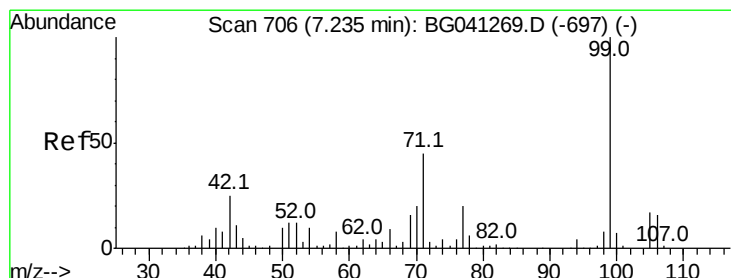
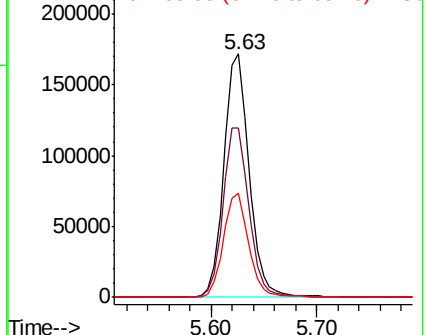
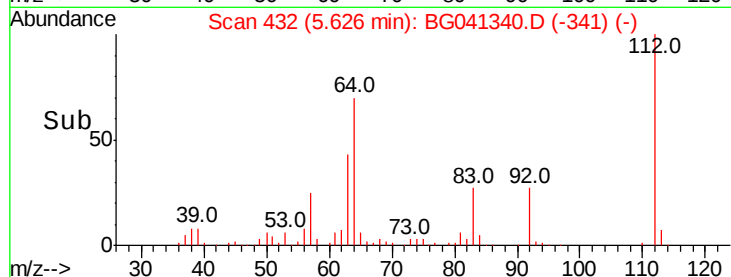
112 100

64 69.7 55.9 83.9

63 42.7 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 104.830 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

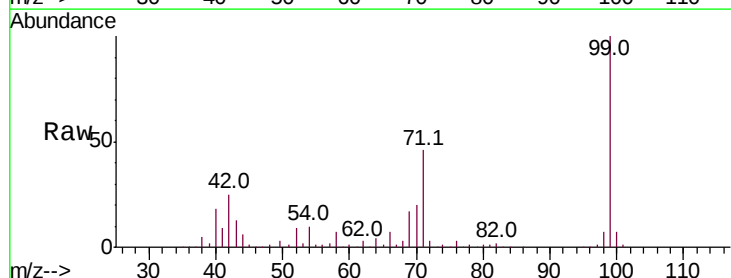
Tgt Ion: 99 Resp: 350642

Ion Ratio Lower Upper

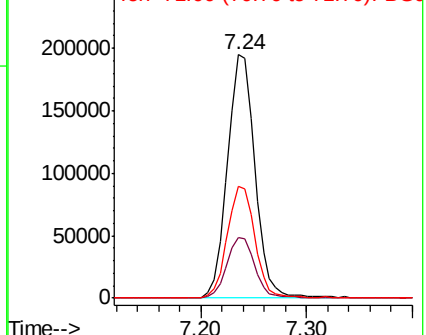
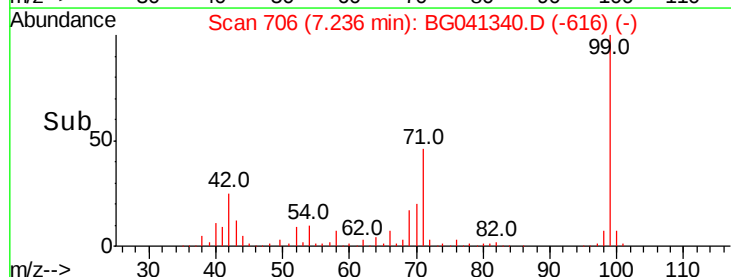
99 100

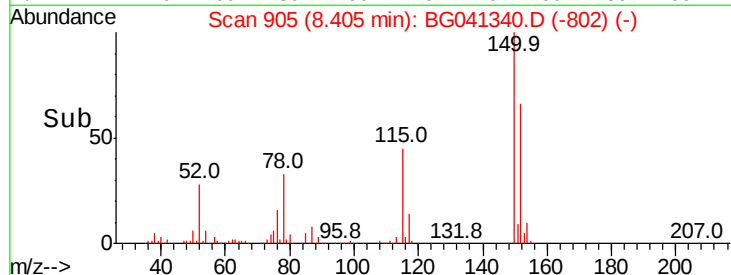
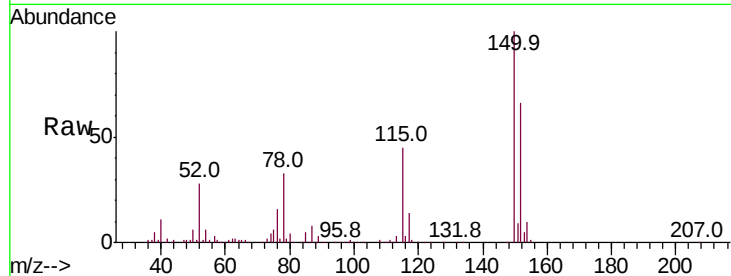
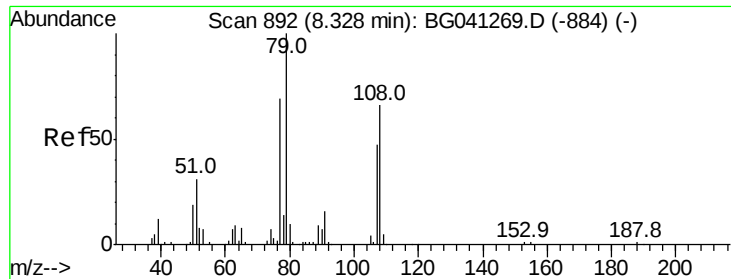
42 25.1 19.9 29.9

71 46.0 36.4 54.6



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

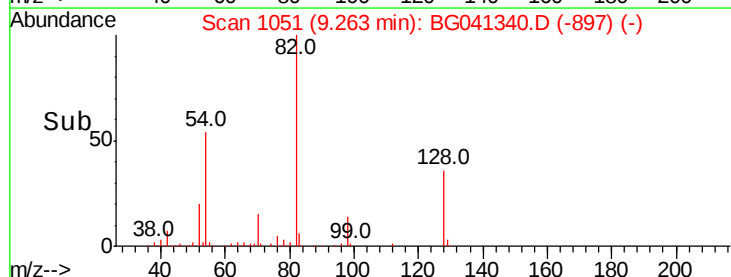
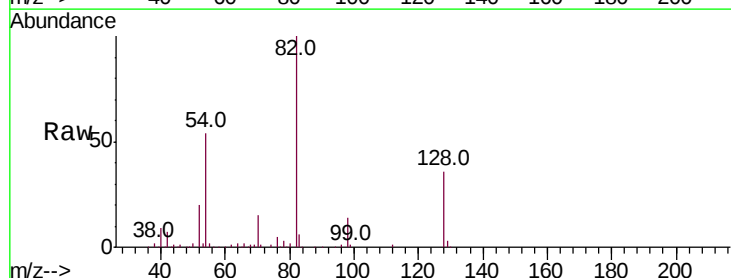
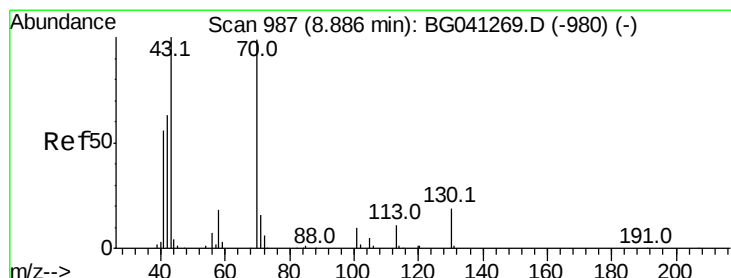
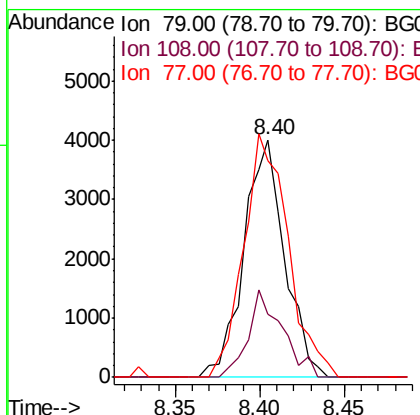




#15
Benzyl Alcohol
Concen: 2.101 ng
RT: 8.40 min Scan# 905
Delta R.T. 0.08 min
Lab File: BG041340.D
Acq: 20 Jun 2019 00:34

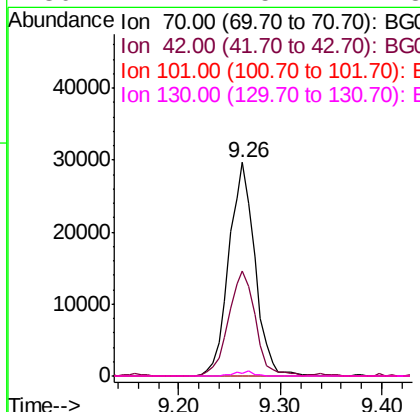
Instrument :
BNA_G
ClientSampled :

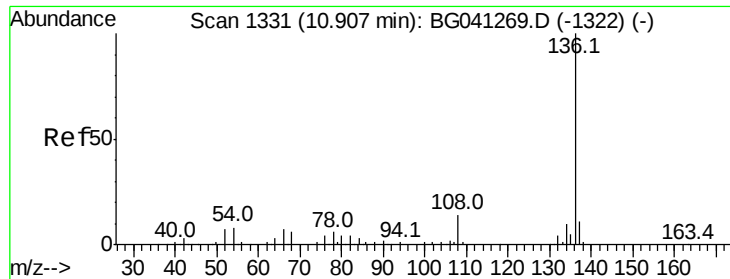
Tot Ion: 79 Resp: 6733
Ion Ratio Lower Upper
79 100
108 26.5 52.7 79.1#
77 91.5 55.2 82.8#



#19
n-Nitroso-di-n-propylamine
Concen: 19.501 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.38 min
Lab File: BG041340.D
Acq: 20 Jun 2019 00:34

Tgt Ion: 70 Resp: 52755
Ion Ratio Lower Upper
70 100
42 49.1 51.4 77.2#
101 0.0 8.2 12.2#
130 1.2 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 161713

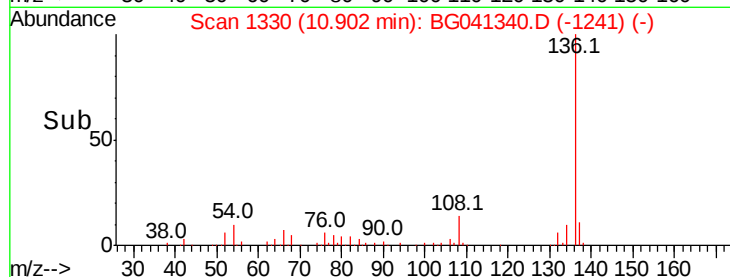
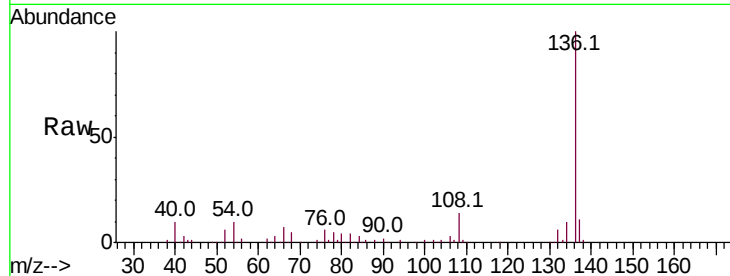
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 10.1 6.4 9.6#

68 5.2 4.8 7.2

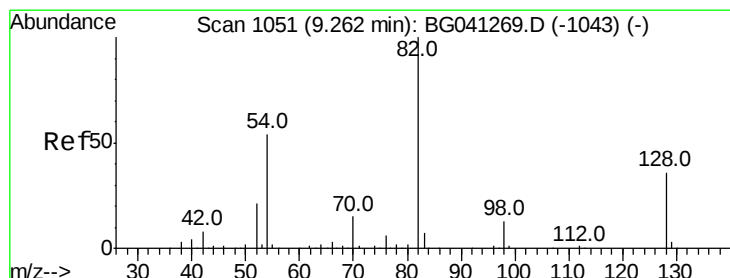
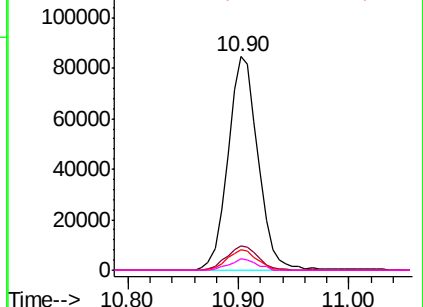


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 92.811 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

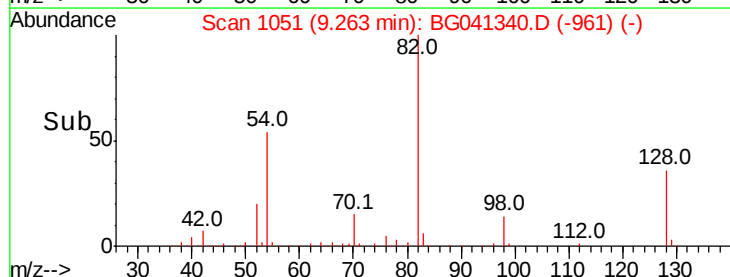
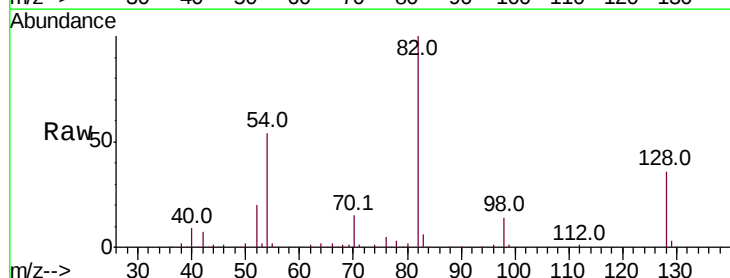
Tgt Ion: 82 Resp: 356872

Ion Ratio Lower Upper

82 100

128 36.2 29.2 43.8

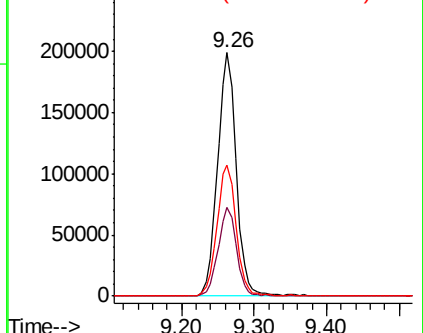
54 53.7 43.4 65.0

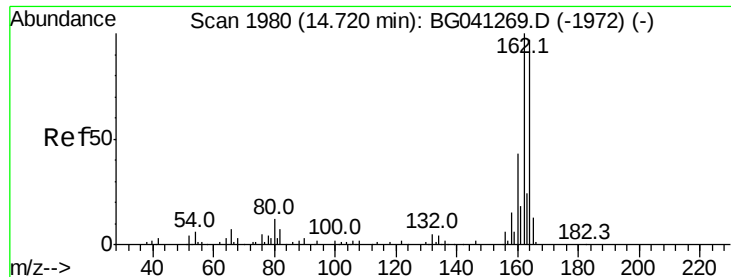


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

Instrument :

BNA_G

ClientSampleId :

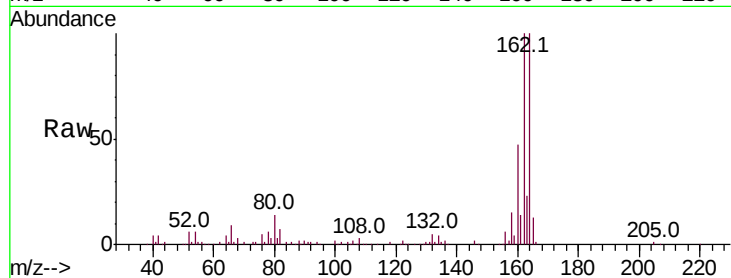
Tot Ion:164 Resp: 110393

Ion Ratio Lower Upper

164 100

162 100.0 82.8 124.2

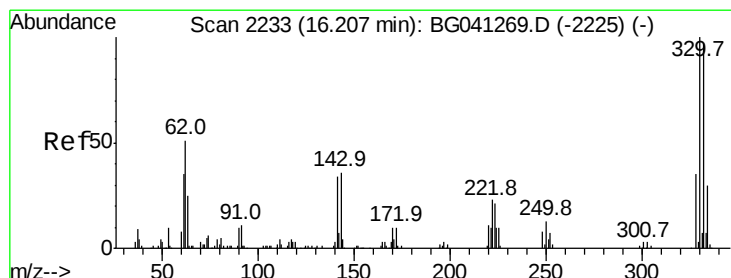
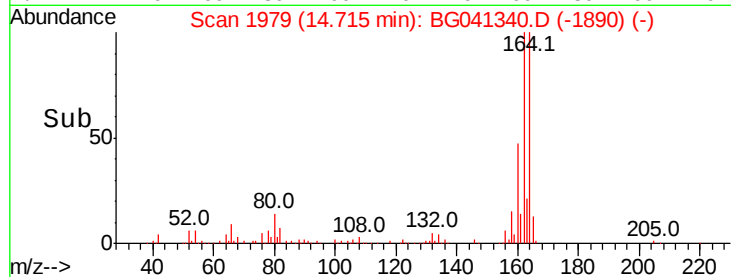
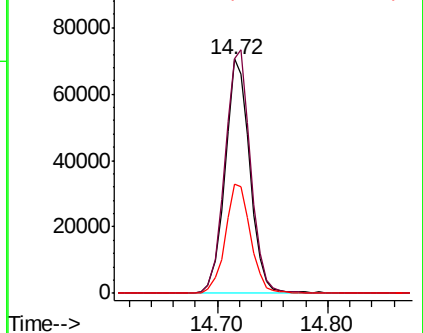
160 46.7 35.8 53.8



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



#42

2,4,6-Tribromophenol

Concen: 134.170 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

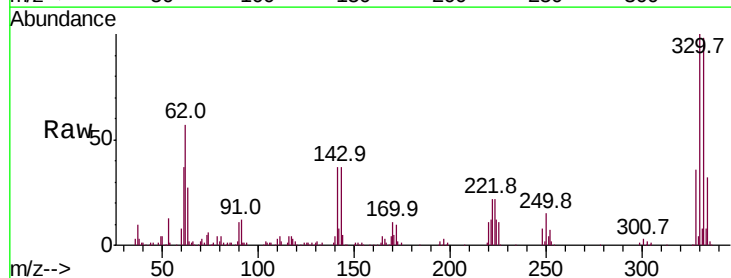
Tgt Ion:330 Resp: 227389

Ion Ratio Lower Upper

330 100

332 96.6 75.5 113.3

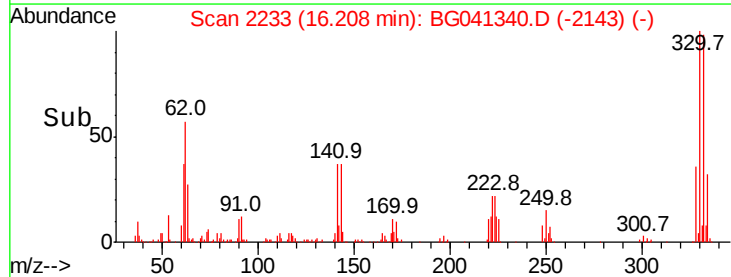
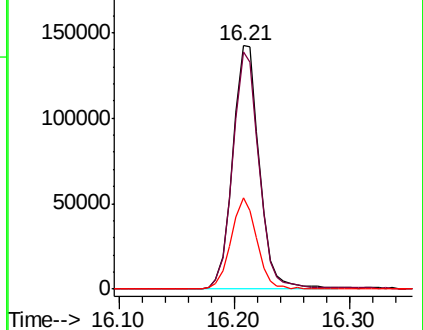
141 36.8 29.0 43.4

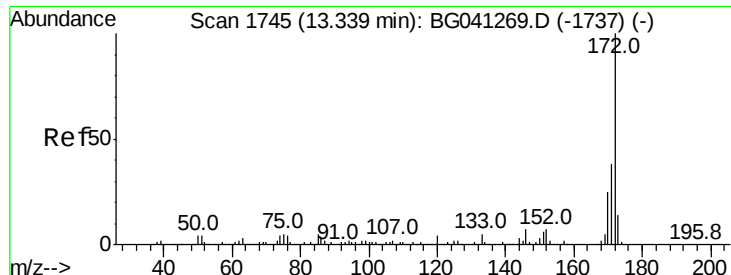


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

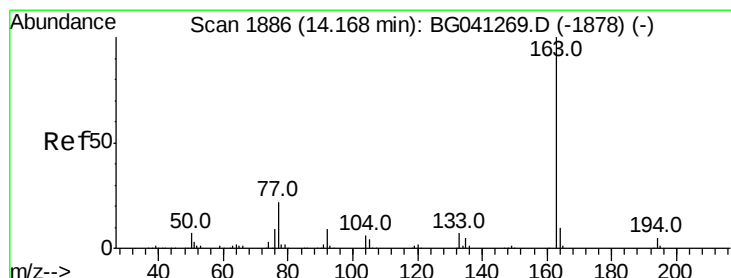
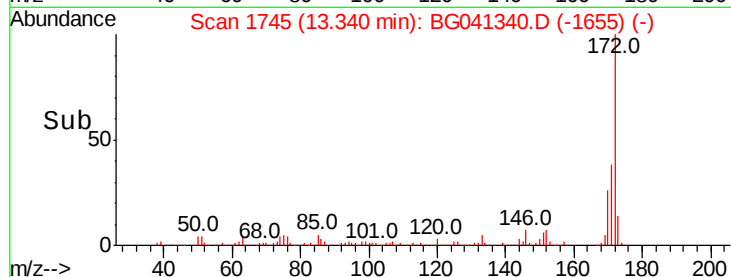
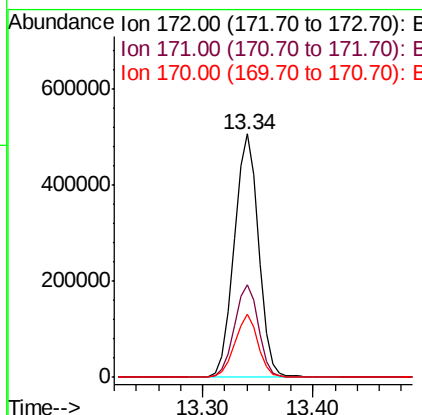
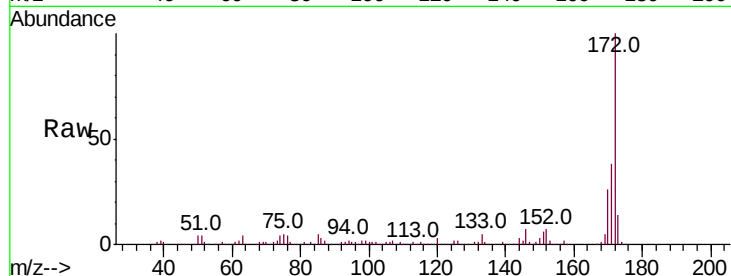




#45
2-Fluorobiphenyl
Concen: 96.681 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.00 min
Lab File: BG041340.D
Acq: 20 Jun 2019 00:34

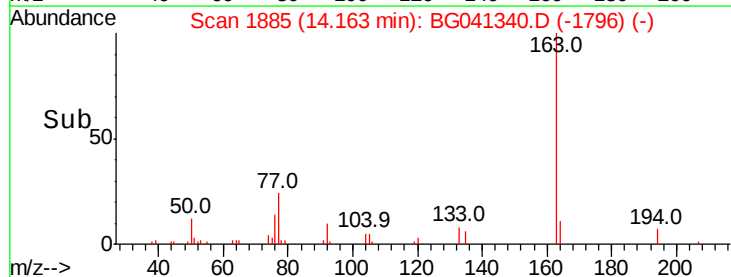
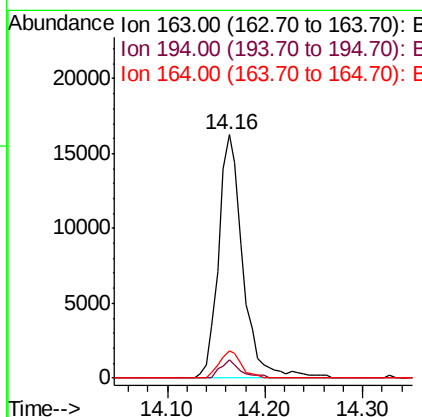
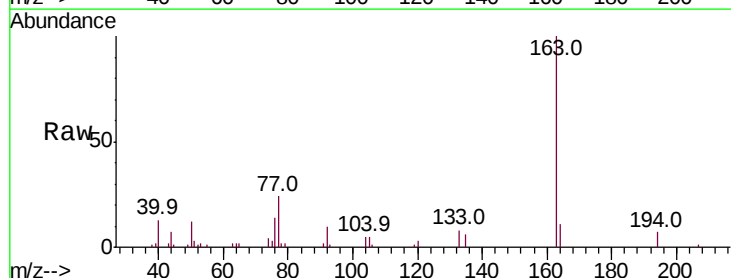
Instrument :
BNA_G
ClientSampleId :

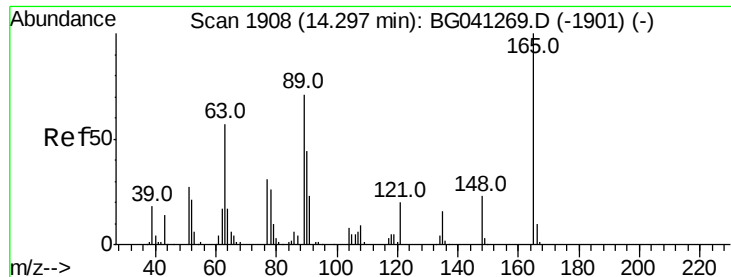
Tot Ion:172 Resp: 785262
Ion Ratio Lower Upper
172 100
171 37.9 30.0 45.0
170 25.7 19.8 29.6



#50
Dimethylphthalate
Concen: 2.859 ng
RT: 14.16 min Scan# 1885
Delta R.T. -0.00 min
Lab File: BG041340.D
Acq: 20 Jun 2019 00:34

Tgt Ion:163 Resp: 28079
Ion Ratio Lower Upper
163 100
194 7.4 3.9 5.9#
164 11.2 8.3 12.5

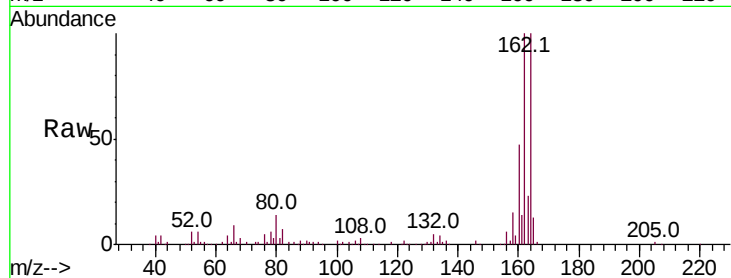




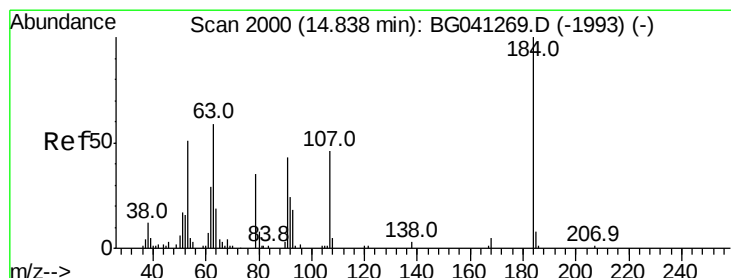
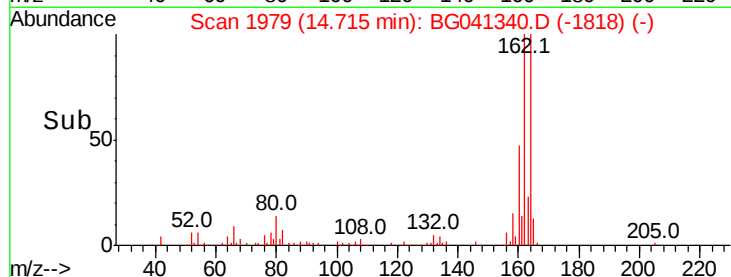
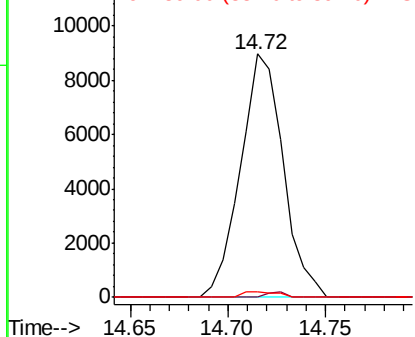
#51
 2,6-Dinitrotoluene
 Concen: 6.574 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.42 min
 Lab File: BG041340.D
 Acq: 20 Jun 2019 00:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 13615
 Ion Ratio Lower Upper
 165 100
 63 0.0 55.4 83.0#
 89 2.3 56.5 84.7#

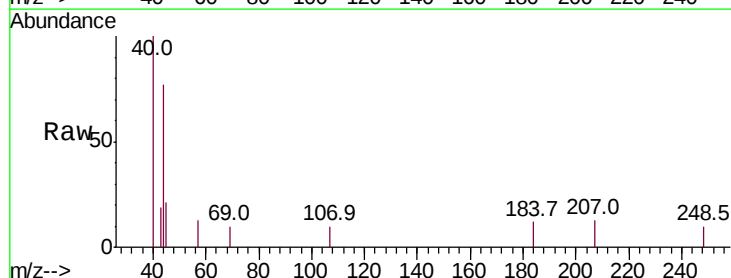


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

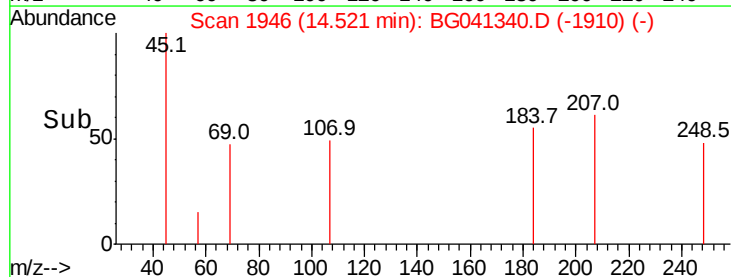
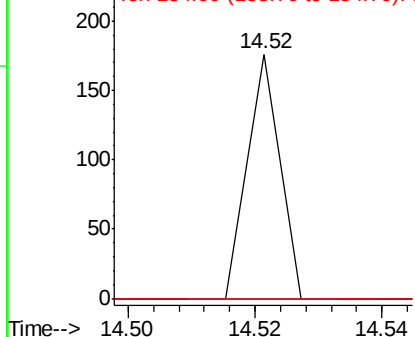


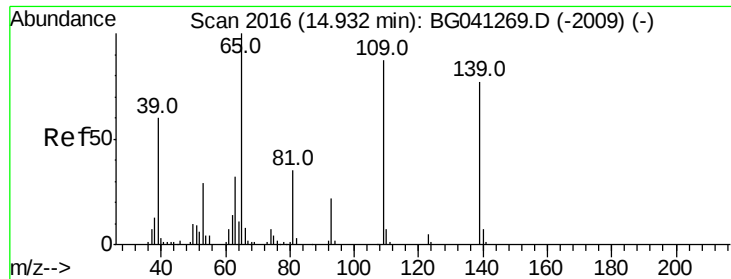
#54
 2,4-Dinitrophenol
 Concen: 4.885 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. -0.32 min
 Lab File: BG041340.D
 Acq: 20 Jun 2019 00:34

Tgt Ion:184 Resp: 62
 Ion Ratio Lower Upper
 184 100
 63 0.0 60.0 90.0#
 154 0.0 58.3 87.5#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

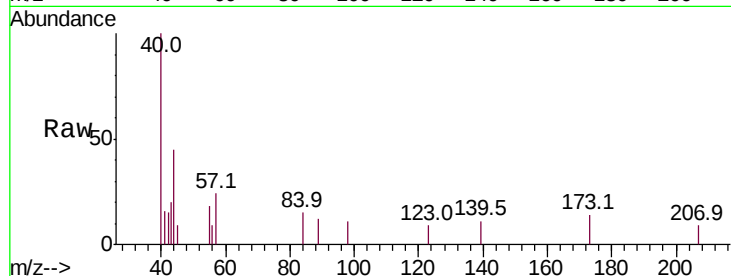




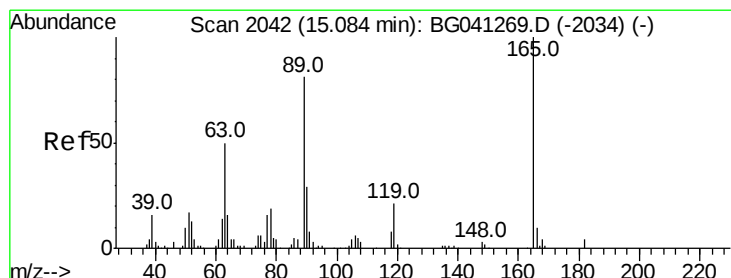
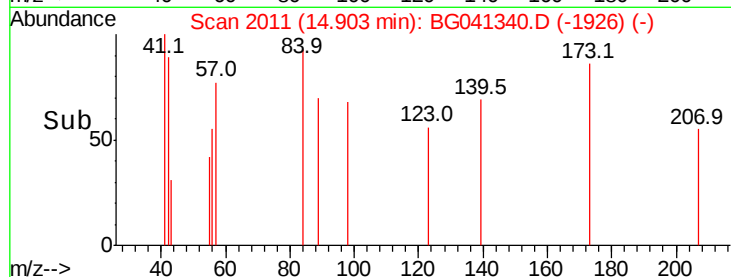
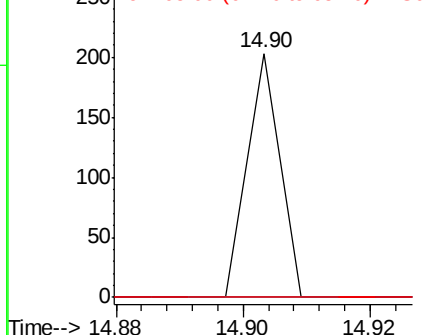
#56
4-Nitrophenol
Concen: 3.260 ng
RT: 14.90 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BG041340.D
Acq: 20 Jun 2019 00:34

Instrument :
BNA_G
ClientSampled :

Tot Ion:139 Resp: 72
Ion Ratio Lower Upper
139 100
109 0.0 93.2 133.2#
65 0.0 110.2 150.2#

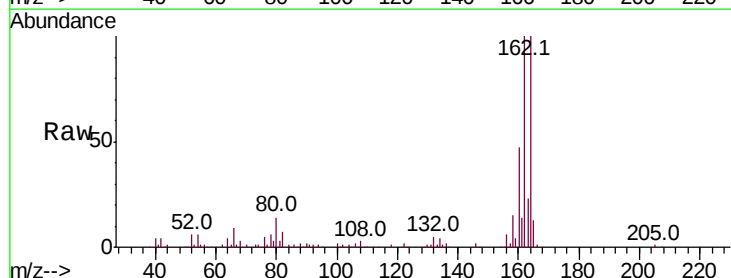


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

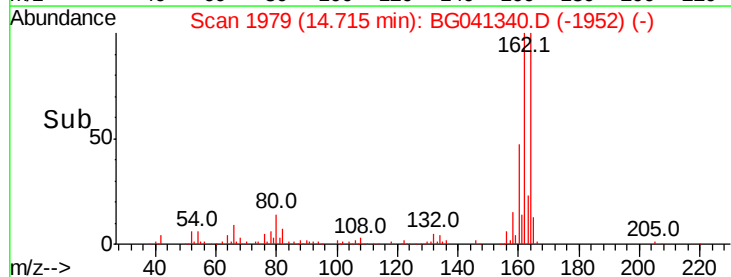
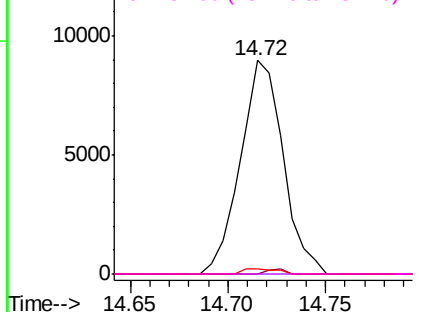


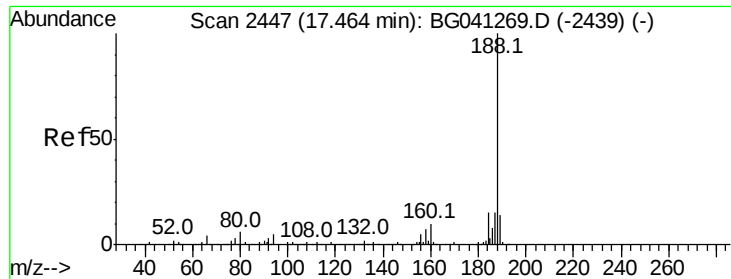
#57
2,4-Dinitrotoluene
Concen: 4.497 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.37 min
Lab File: BG041340.D
Acq: 20 Jun 2019 00:34

Tgt Ion:165 Resp: 13615
Ion Ratio Lower Upper
165 100
63 0.0 40.0 60.0#
89 2.3 64.6 96.8#
182 0.0 2.9 4.3#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

Instrument :

BNA_G

ClientSampleId :

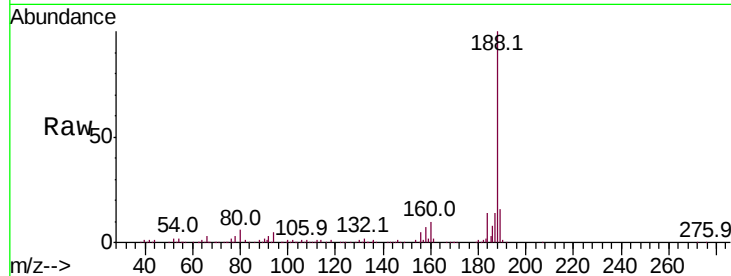
Tot Ion:188 Resp: 261155

Ion Ratio Lower Upper

188 100

94 5.4 3.6 5.4#

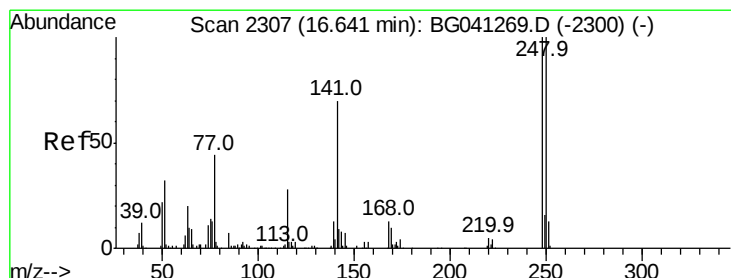
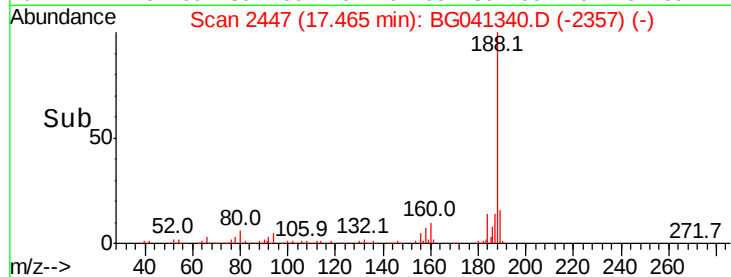
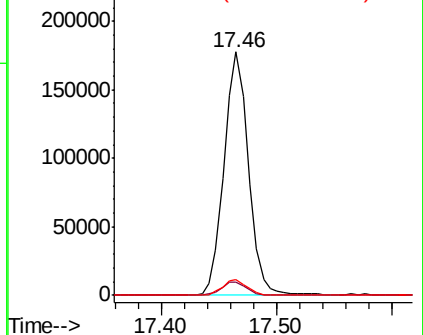
80 6.3 4.8 7.2



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



#67

4-Bromophenyl-phenylether

Concen: 4.935 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.43 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

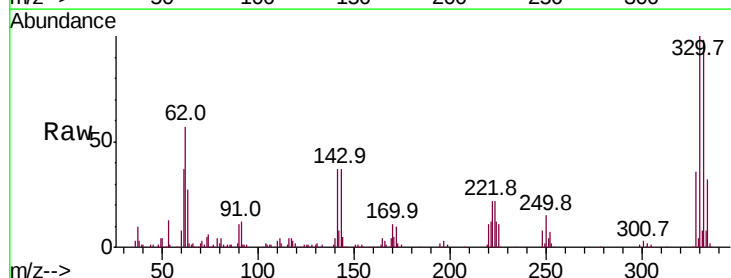
Tgt Ion:248 Resp: 16663

Ion Ratio Lower Upper

248 100

250 200.2 79.8 119.8#

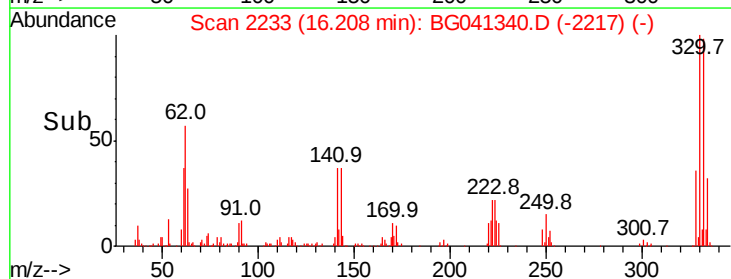
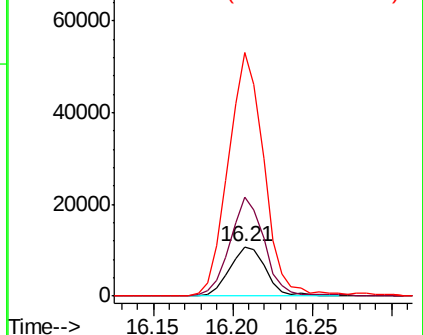
141 494.9 55.8 83.6#

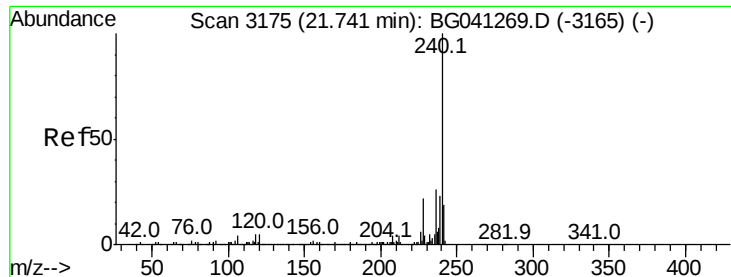


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

Instrument :

BNA_G

ClientSampleId :

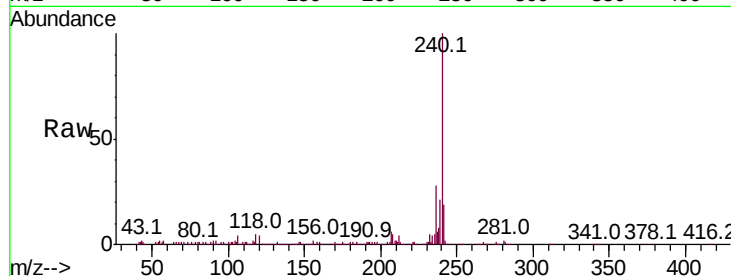
Tot Ion:240 Resp: 243389

Ion Ratio Lower Upper

240 100

120 4.5 3.7 5.5

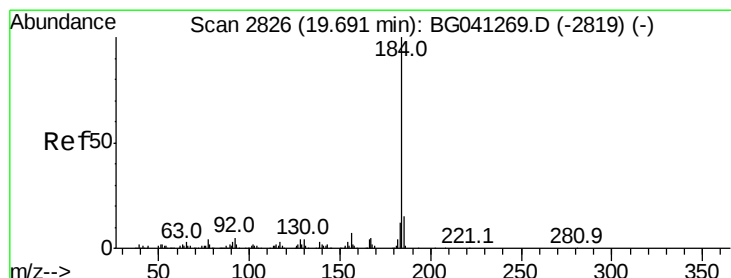
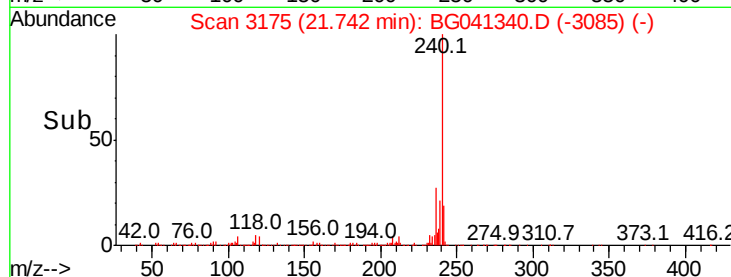
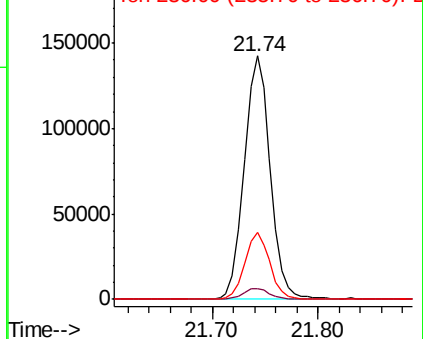
236 27.5 21.1 31.7



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



#77

Benzidine

Concen: 3.497 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.37 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

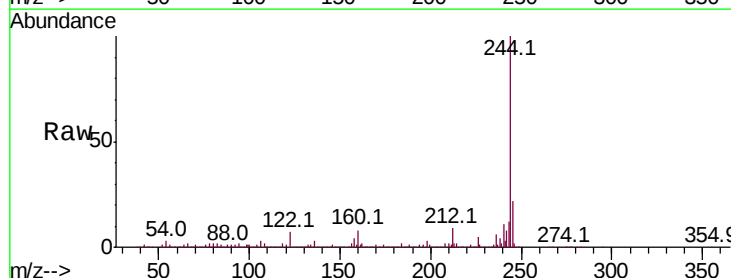
Tgt Ion:184 Resp: 20585

Ion Ratio Lower Upper

184 100

185 18.1 12.2 18.2

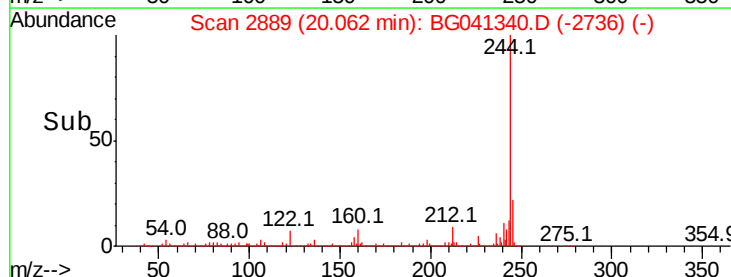
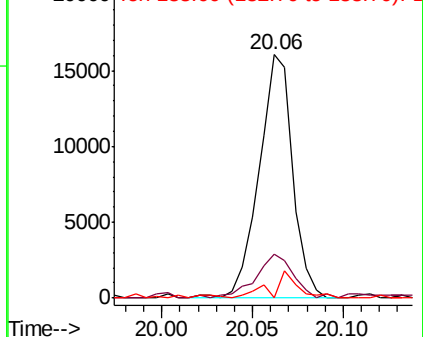
183 0.0 9.6 14.4#

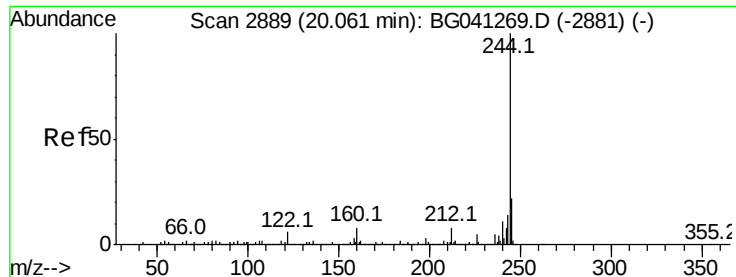


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 96.186 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

Instrument :

BNA_G

ClientSampled :

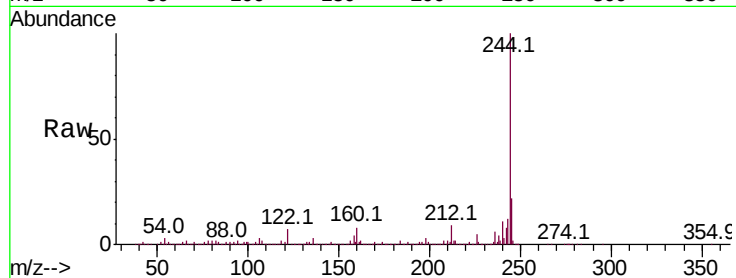
Tot Ion:244 Resp: 1181284

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.6	10.0
122	6.7	5.0	7.4

244 100

212 8.7 6.6 10.0

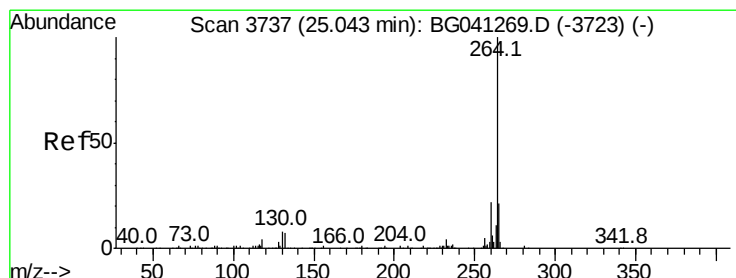
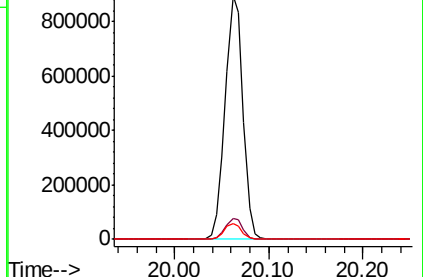
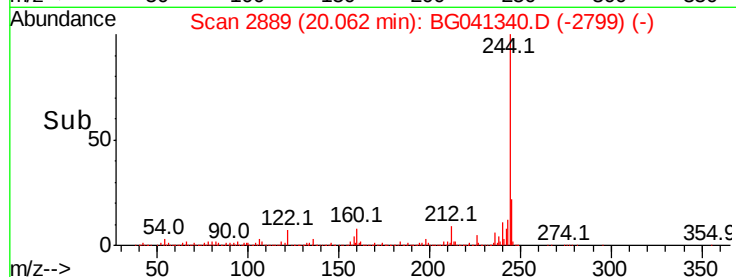
122 6.7 5.0 7.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.06 min Scan# 3740

Delta R.T. 0.02 min

Lab File: BG041340.D

Acq: 20 Jun 2019 00:34

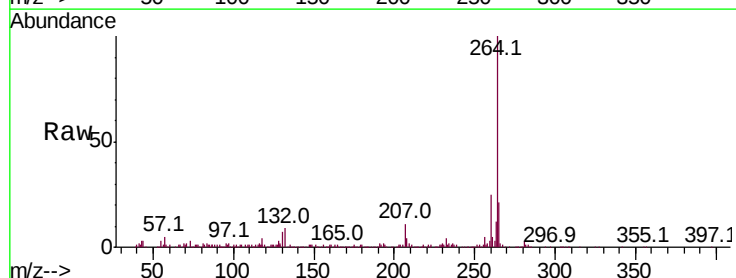
Tgt Ion:264 Resp: 248207

Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.2
265	20.9	17.2	25.8

264 100

260 24.6 17.4 26.2

265 20.9 17.2 25.8



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

