

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060719\
 Data File : BG041125.D
 Acq On : 8 Jun 2019 8:33
 Operator : HP/JU
 Sample : K3193-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 08 18:23:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 08 17:33:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	42278	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	170029	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	129490	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	321848	20.00	ng	0.00
76) Chrysene-d12	21.75	240	325784	20.00	ng	0.00
87) Perylene-d12	25.08	264	346118	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	172818	73.71	ng	0.00
7) Phenol-d6	7.25	99	197455	54.53	ng	0.00
23) Nitrobenzene-d5	9.28	82	353041	92.18	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	276677	143.93	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	874276	97.23	ng	0.00
79) Terphenyl-d14	20.07	244	1389279	90.51	ng	0.00

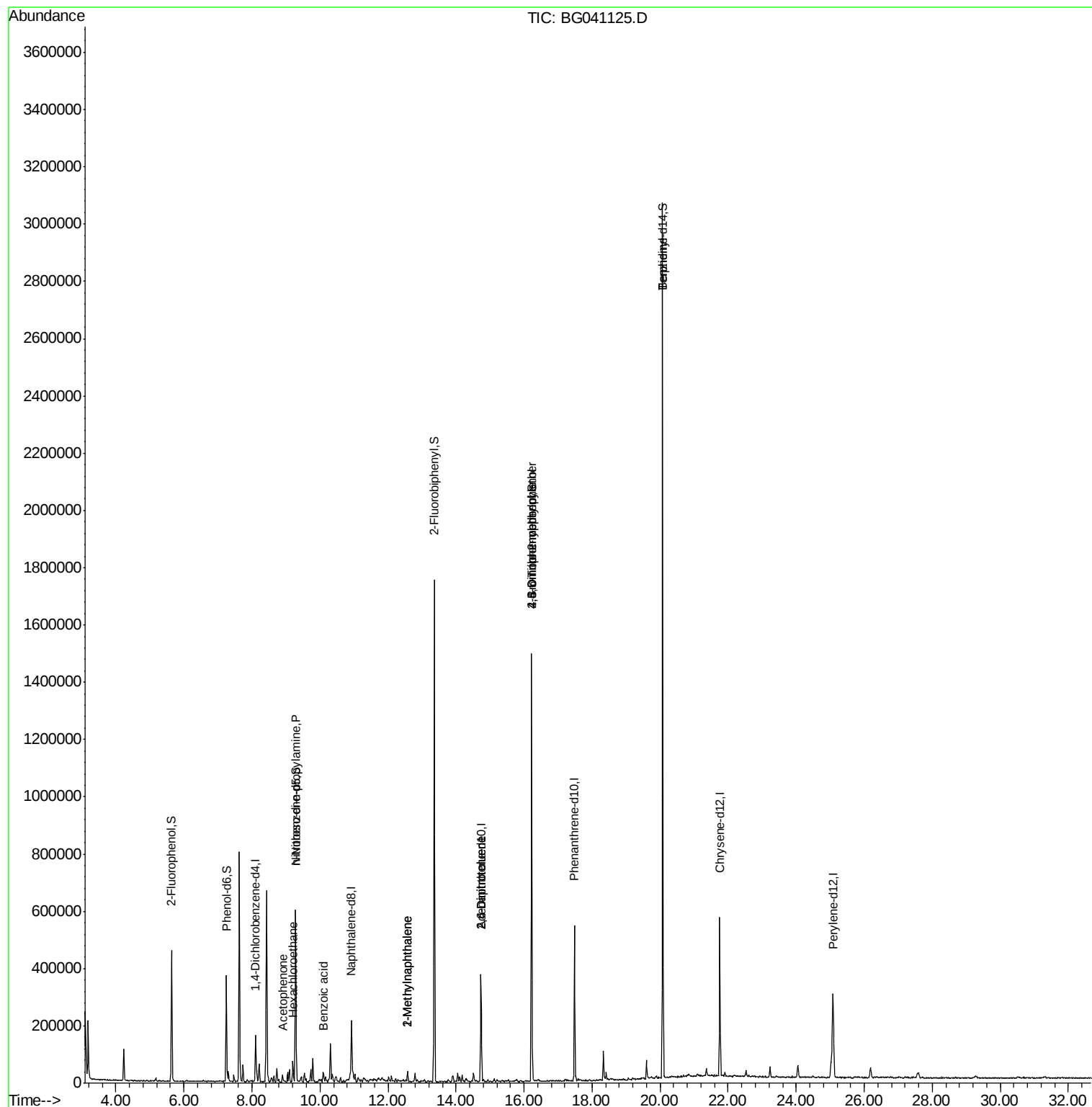
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.21	117	8773	6.736	ng	# 1
19) n-Nitroso-di-n-propylamine	9.28	70	51138	18.352	ng	# 79
22) Acetophenone	8.90	105	16186	3.394	ng	# 57
32) Benzoic acid	10.12	122	60	8.154	ng	# 1
37) 2-Methylnaphthalene	12.57	142	16835	2.394	ng	# 88
38) 1-Methylnaphthalene	12.57	142	16835	2.541	ng	# 83
51) 2,6-Dinitrotoluene	14.73	165	17596	7.445	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	17596	5.271	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.22	198	1094	9.110	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	20049	4.616	ng	# 1
77) Benzidine	20.07	184	24408	3.141	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

Instrument :

BNA_G

ClientSampleId :

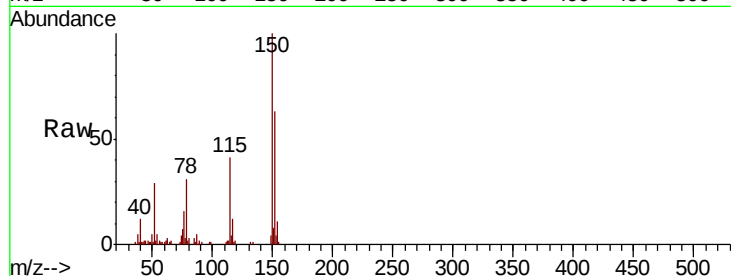
Tot Ion:152 Resp: 42278

Ion Ratio Lower Upper

152 100

150 158.8 111.7 167.5

115 65.3 48.6 73.0

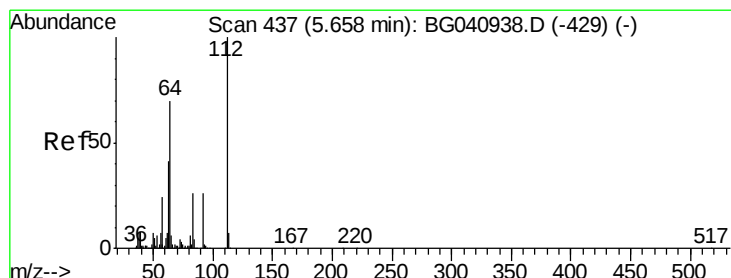
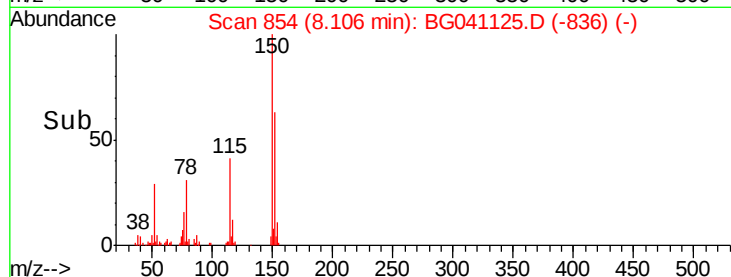
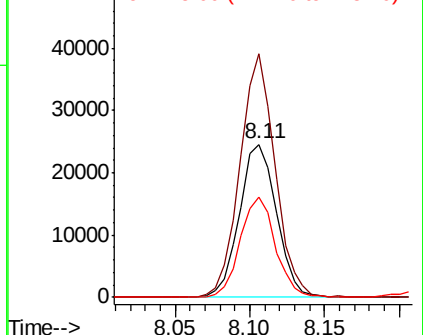


Abundance

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: 73.709 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.00 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

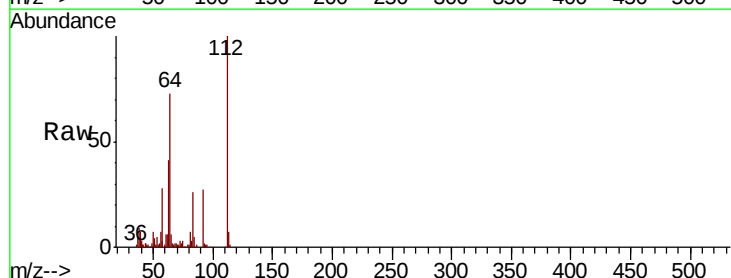
Tgt Ion:112 Resp: 172818

Ion Ratio Lower Upper

112 100

64 73.4 54.5 81.7

63 41.2 32.2 48.2

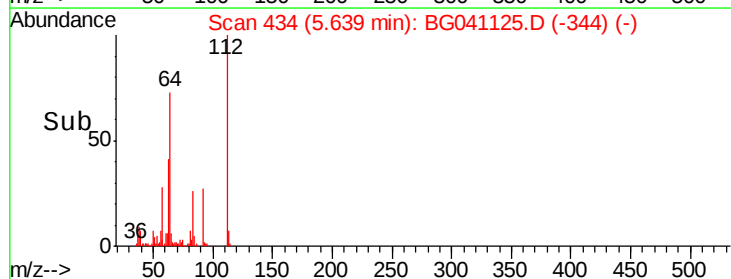
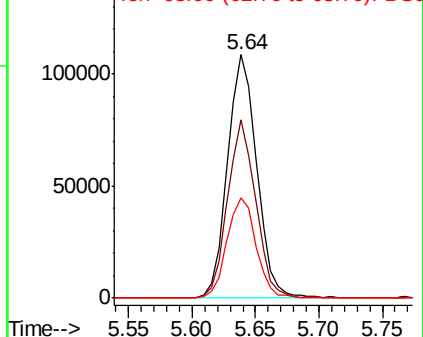


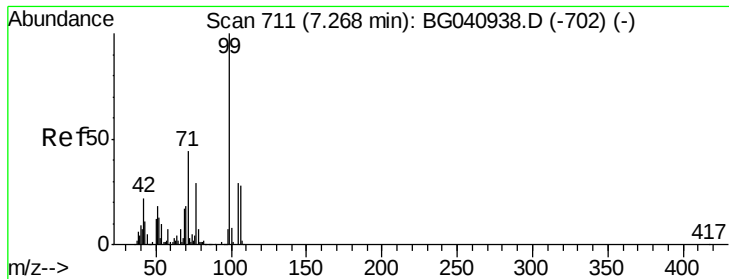
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 54.531 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

Instrument :

BNA_G

ClientSampleId :

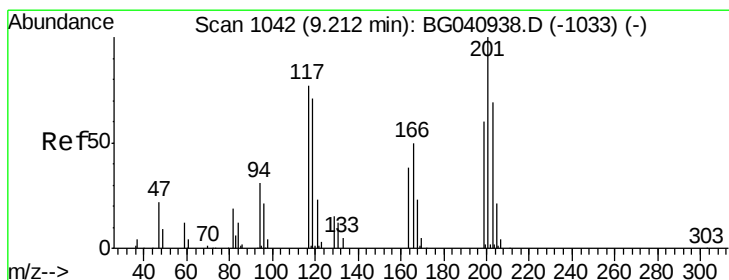
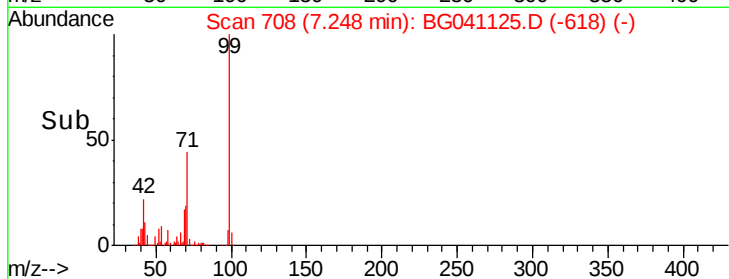
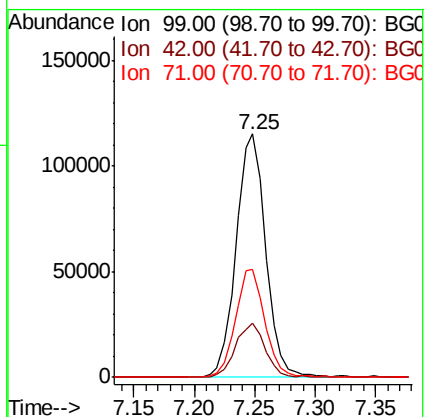
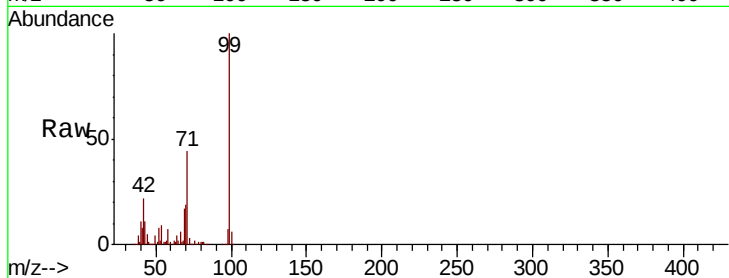
Tot Ion: 99 Resp: 197455

Ion Ratio Lower Upper

99 100

42 22.4 18.8 28.2

71 44.2 35.6 53.4



#18

Hexachloroethane

Concen: 6.736 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.02 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

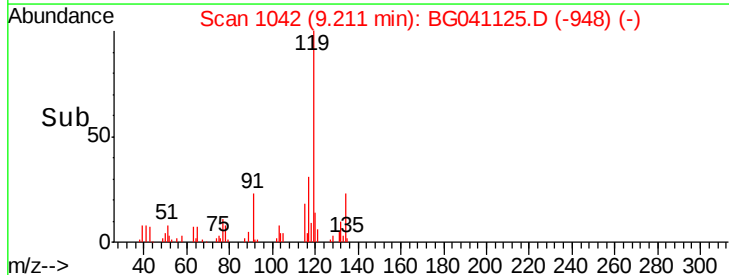
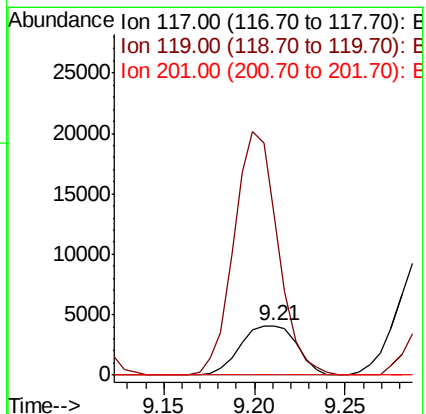
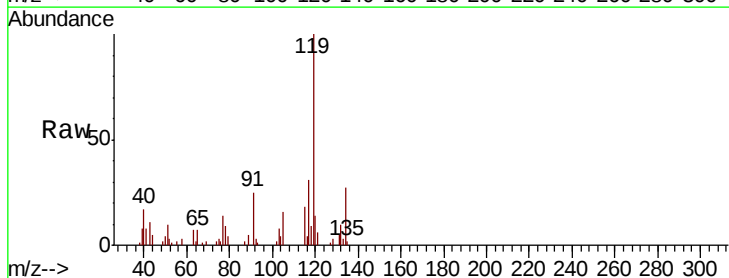
Tgt Ion: 117 Resp: 8773

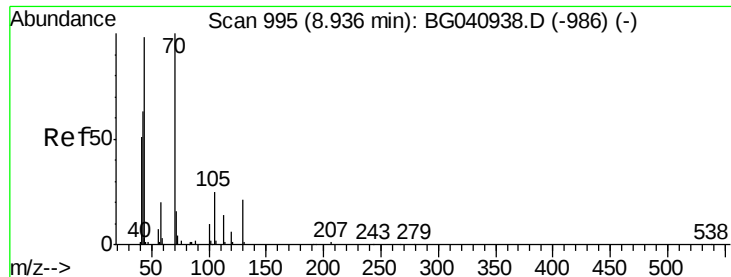
Ion Ratio Lower Upper

117 100

119 322.2 74.8 112.2#

201 0.0 98.5 147.7#

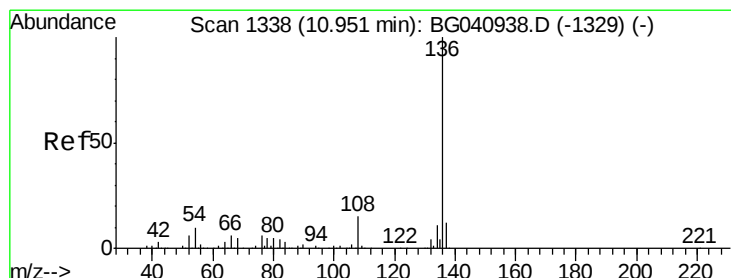
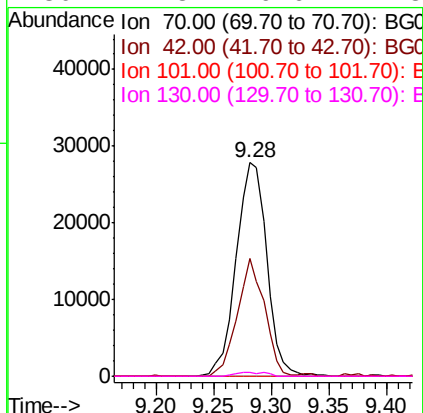
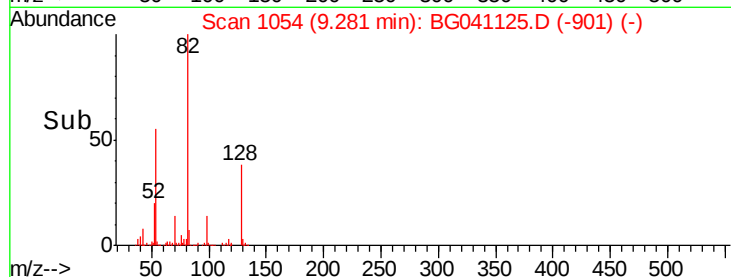
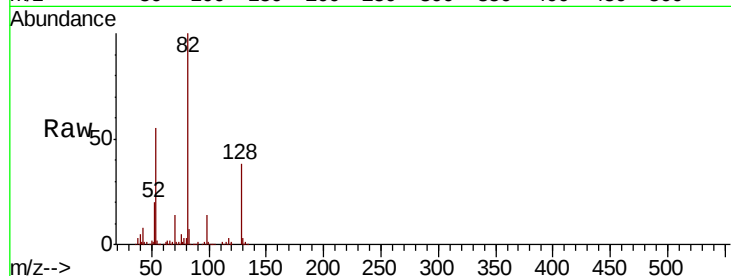




#19
n-Nitroso-di-n-propylamine
Concen: 18.352 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.37 min
Lab File: BG041125.D
Acq: 8 Jun 2019 8:33

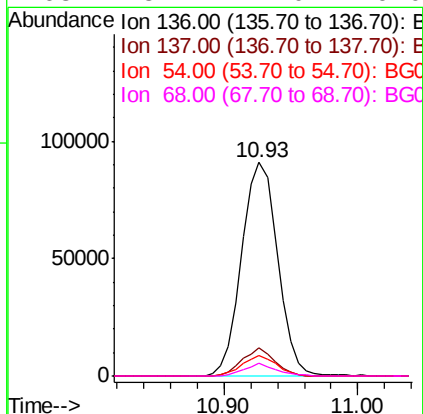
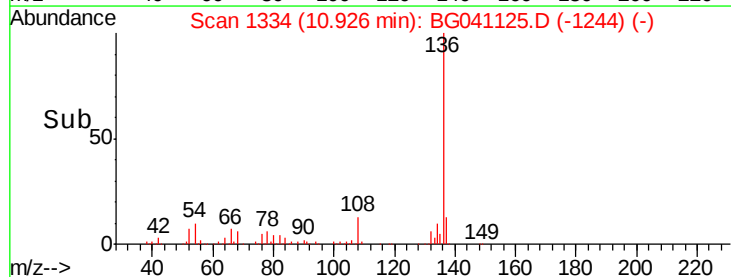
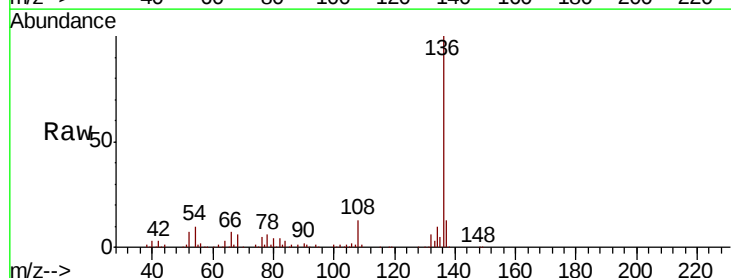
Instrument :
BNA_G
ClientSampleId :

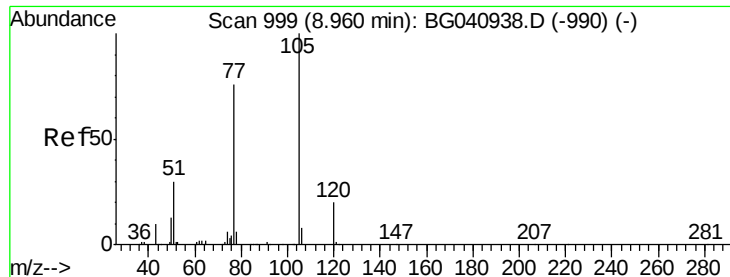
Tot Ion: 70 Resp: 51138
Ion Ratio Lower Upper
70 100
42 54.9 53.1 79.7
101 0.0 8.0 12.0#
130 1.8 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BG041125.D
Acq: 8 Jun 2019 8:33

Tgt Ion: 136 Resp: 170029
Ion Ratio Lower Upper
136 100
137 12.9 8.9 13.3
54 9.9 7.4 11.2
68 5.7 4.0 6.0

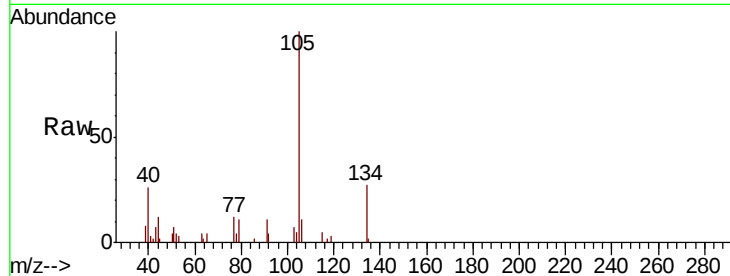




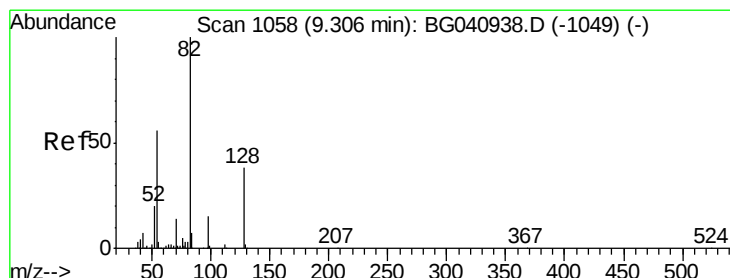
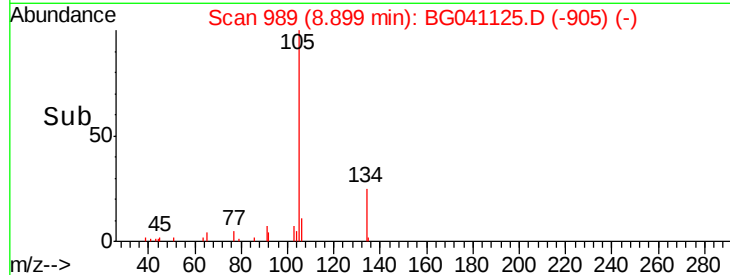
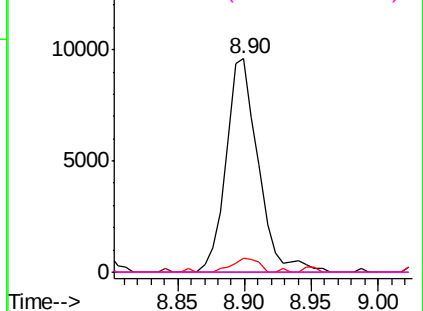
#22
 Acetophenone
 Concen: 3.394 ng
 RT: 8.90 min Scan# 989
 Delta R.T. -0.04 min
 Lab File: BG041125.D
 Acq: 8 Jun 2019 8:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:105 Resp: 16186
 Ion Ratio Lower Upper
 105 100
 71 0.0 0.6 0.8#
 51 6.7 24.2 36.2#
 120 0.0 16.3 24.5#

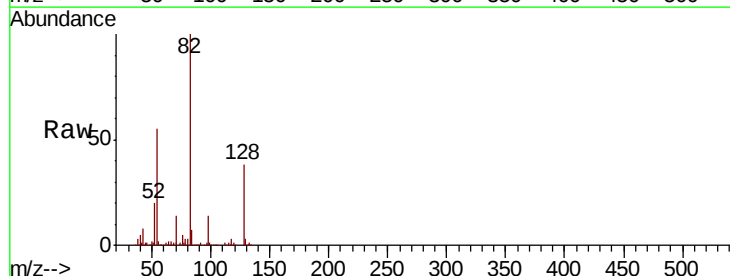


Abundance Ion 105.00 (104.70 to 105.70): E
 Ion 71.00 (70.70 to 71.70): BGC
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 120.00 (119.70 to 120.70): E

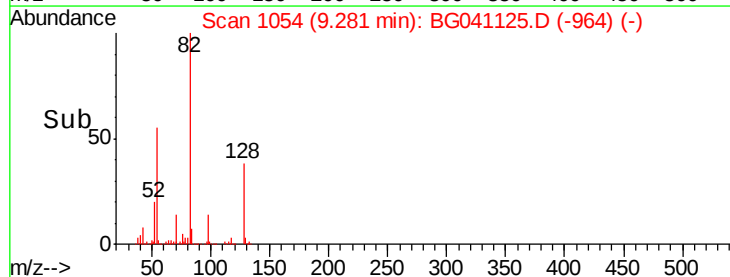
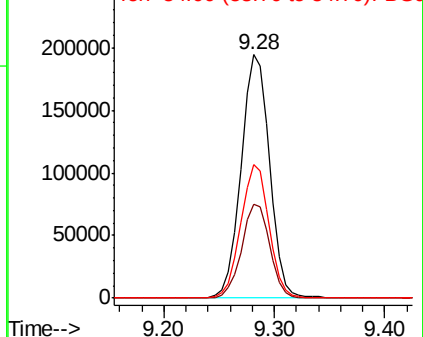


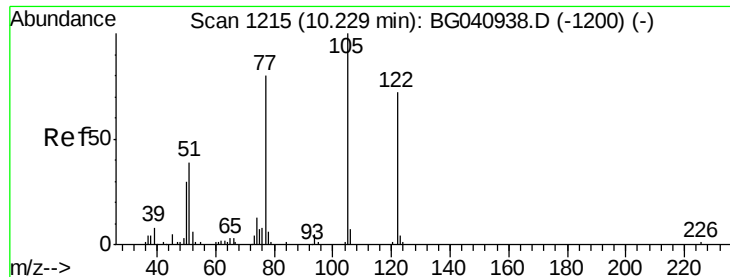
#23
 Nitrobenzene-d5
 Concen: 92.177 ng
 RT: 9.28 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: BG041125.D
 Acq: 8 Jun 2019 8:33

Tgt Ion: 82 Resp: 353041
 Ion Ratio Lower Upper
 82 100
 128 38.5 29.8 44.6
 54 54.8 43.6 65.4



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





#32

Benzoic acid

Concen: 8.154 ng

RT: 10.12 min Scan# 1196

Delta R.T. -0.10 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

Instrument :

BNA_G

ClientSampled :

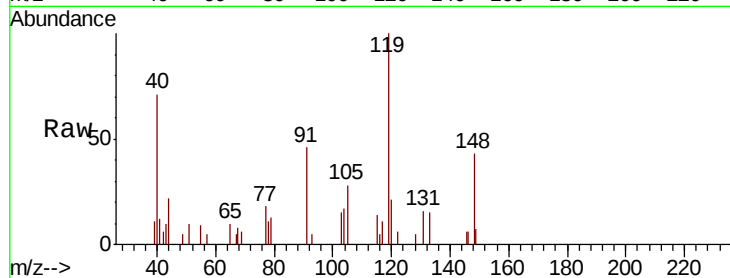
Tot Ion:122 Resp: 60

Ion Ratio Lower Upper

122 100

105 501.2 134.0 174.0#

77 315.8 91.5 131.5#

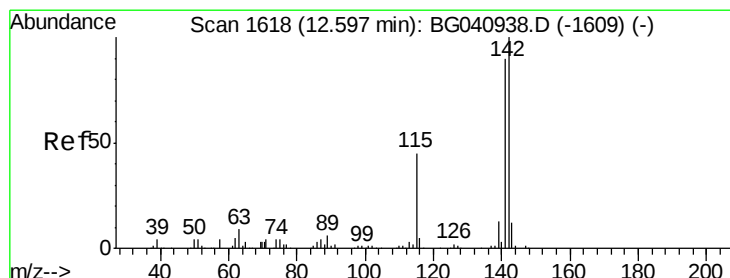
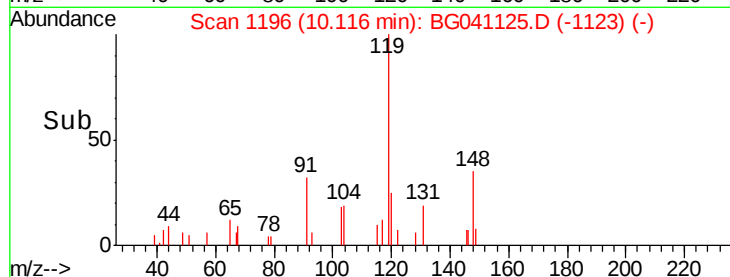
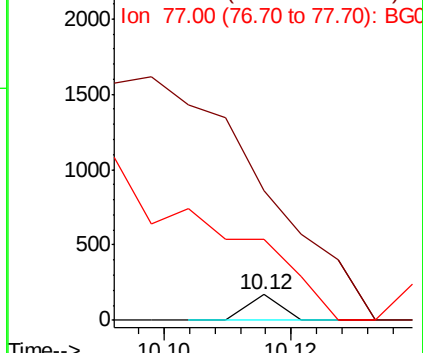


Abundance

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



#37

2-Methylnaphthalene

Concen: 2.394 ng

RT: 12.57 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

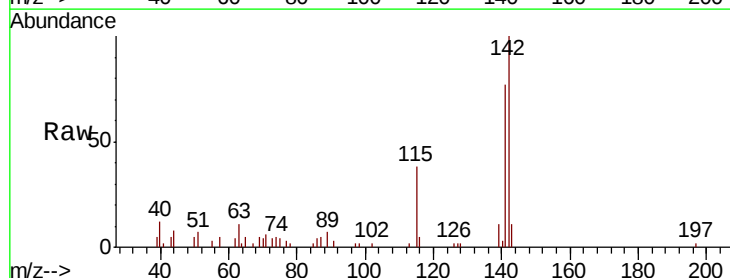
Tgt Ion:142 Resp: 16835

Ion Ratio Lower Upper

142 100

141 76.8 71.5 107.3

115 37.8 35.1 52.7

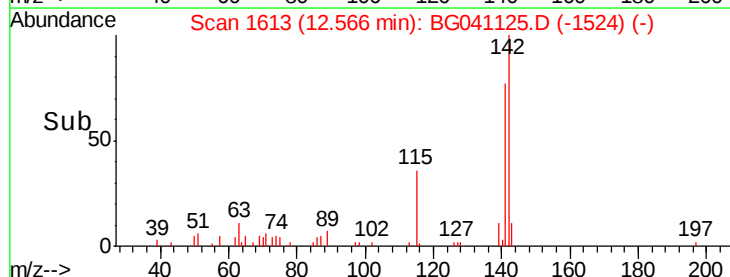
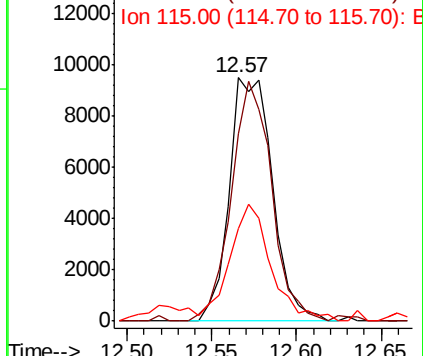


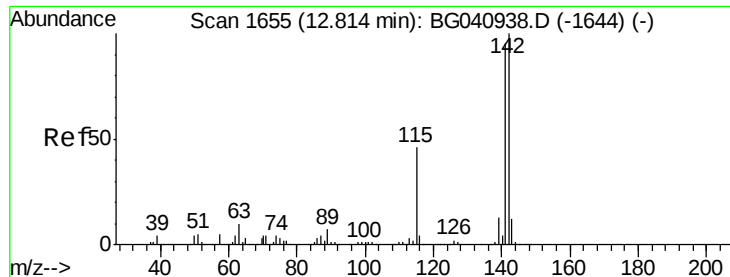
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

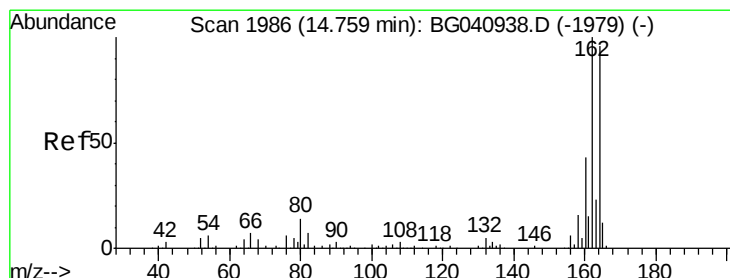
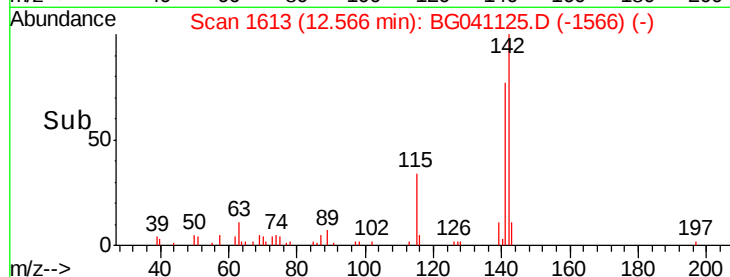
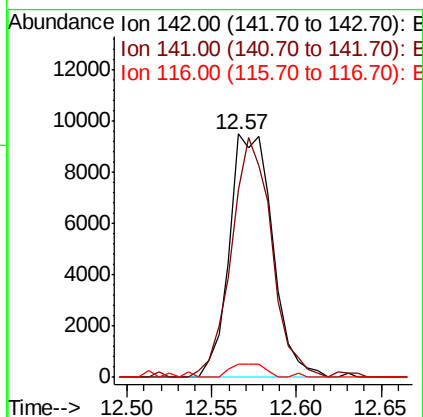
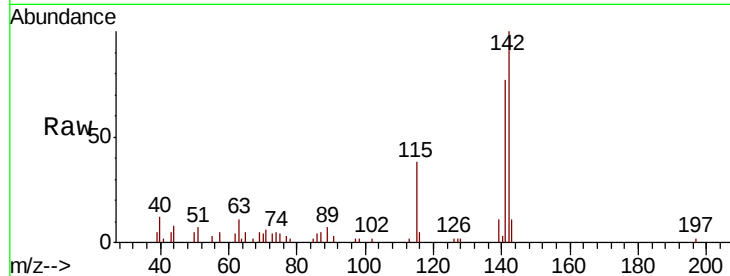




#38
1-Methylnaphthalene
Concen: 2.541 ng
RT: 12.57 min Scan# 1613
Delta R.T. -0.23 min
Lab File: BG041125.D
Acq: 8 Jun 2019 8:33

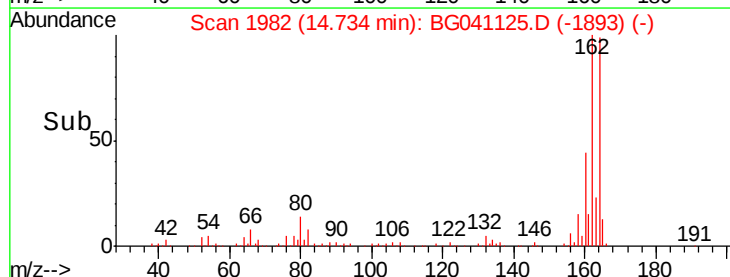
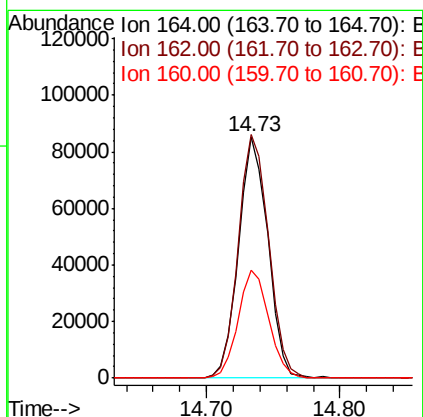
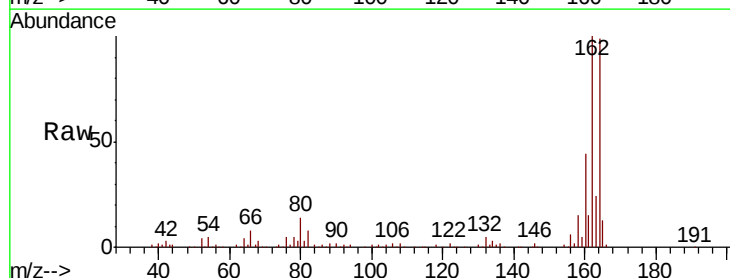
Instrument :
BNA_G
ClientSampleId :

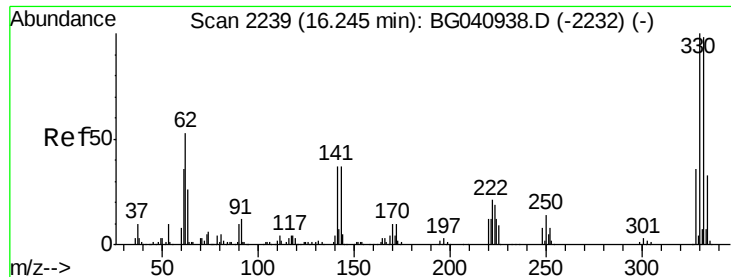
Tot Ion:142 Resp: 16835
Ion Ratio Lower Upper
142 100
141 76.8 75.4 113.0
116 5.3 3.8 5.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG041125.D
Acq: 8 Jun 2019 8:33

Tgt Ion:164 Resp: 129490
Ion Ratio Lower Upper
164 100
162 101.0 85.4 128.0
160 44.8 37.1 55.7

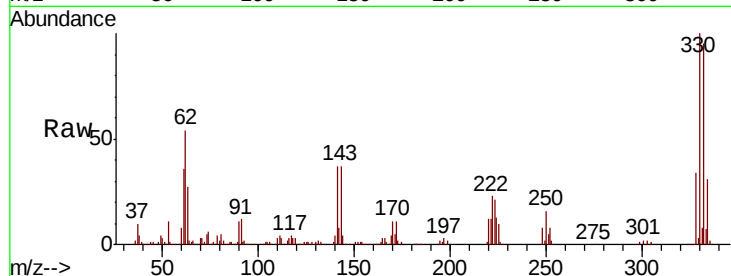




#42
 2,4,6-Tribromophenol
 Concen: 143.925 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG041125.D
 Acq: 8 Jun 2019 8:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.9	116.9
141	36.1	29.0	43.4

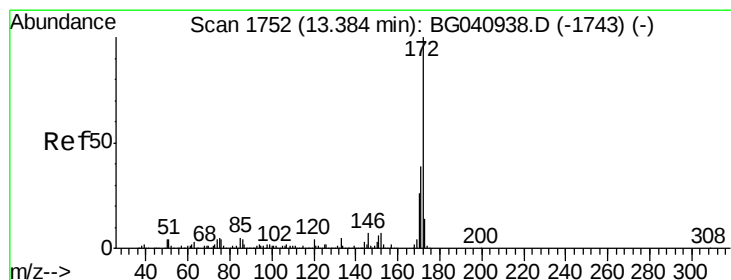
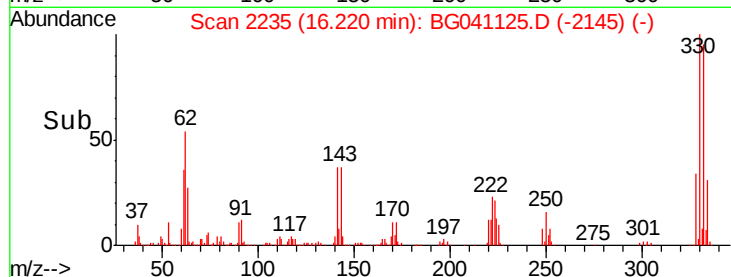
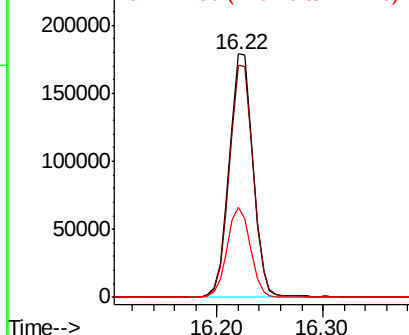


Abundance

Ion 329.80 (329.50 to 330.50): E

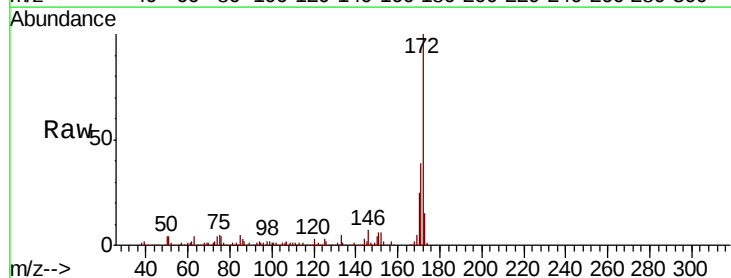
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 97.232 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: BG041125.D
 Acq: 8 Jun 2019 8:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.8	46.2
170	24.8	21.3	31.9

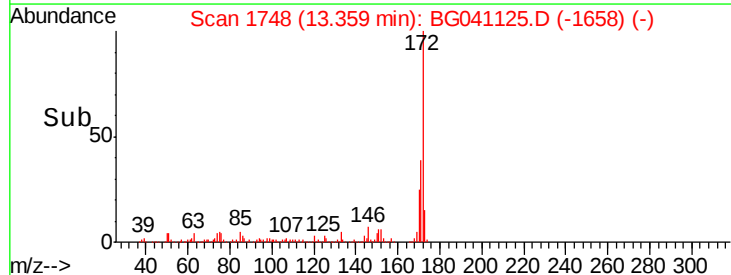
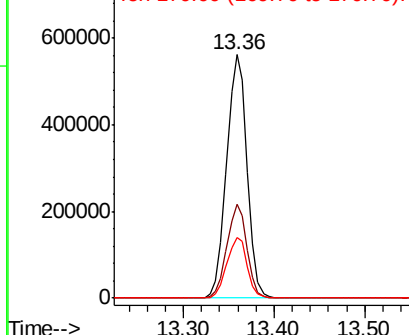


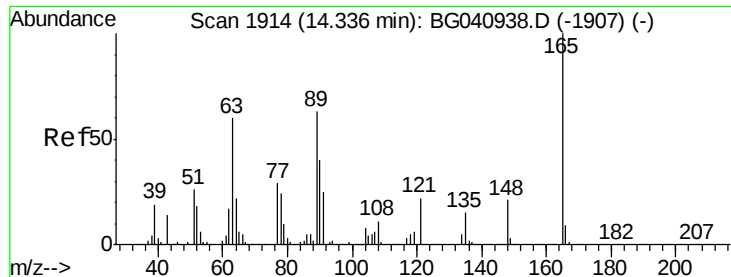
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 7.445 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.41 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

Instrument :

BNA_G

ClientSampled :

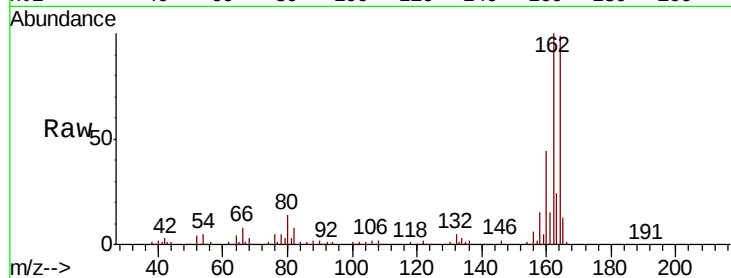
Tot Ion:165 Resp: 17596

Ion Ratio Lower Upper

165 100

63 1.7 48.6 73.0#

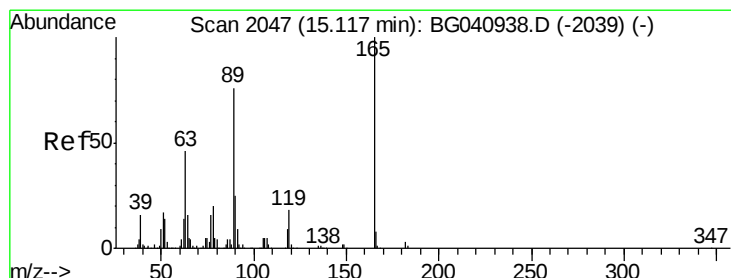
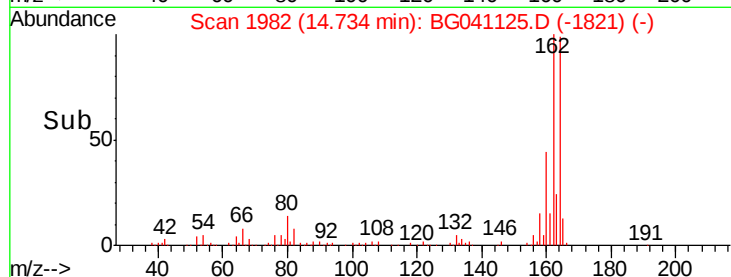
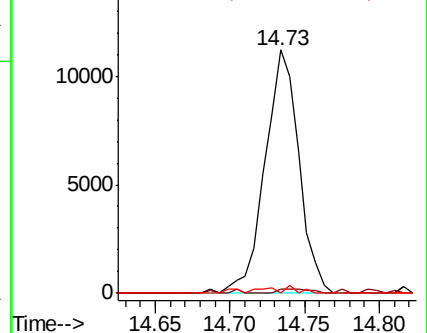
89 0.0 51.1 76.7#



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



#57

2,4-Dinitrotoluene

Concen: 5.271 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.37 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

Tgt Ion:165 Resp: 17596

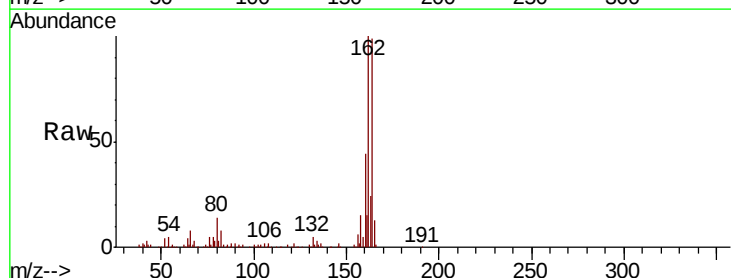
Ion Ratio Lower Upper

165 100

63 1.7 38.1 57.1#

89 0.0 60.7 91.1#

182 0.0 2.4 3.6#

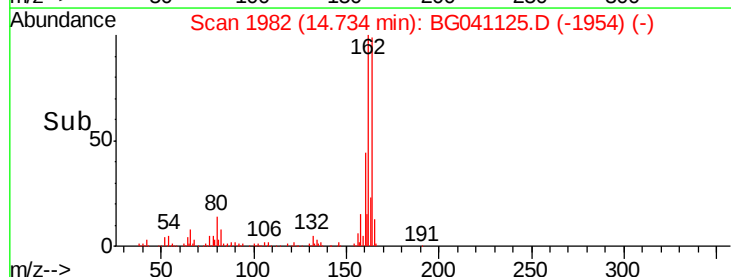
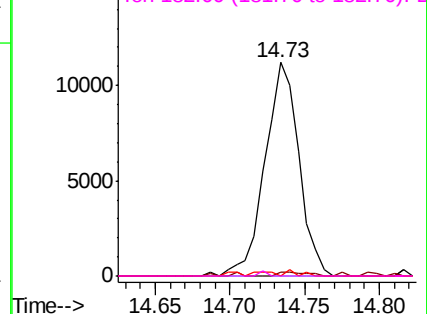


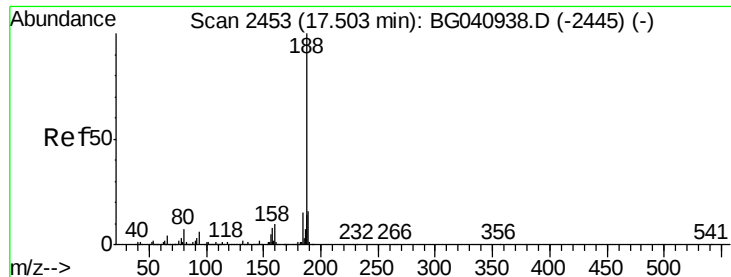
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

Instrument :

BNA_G

ClientSampleId :

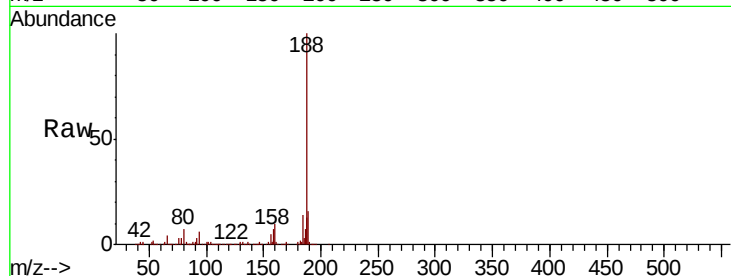
Tot Ion:188 Resp: 321848

Ion Ratio Lower Upper

188 100

94 5.9 4.6 7.0

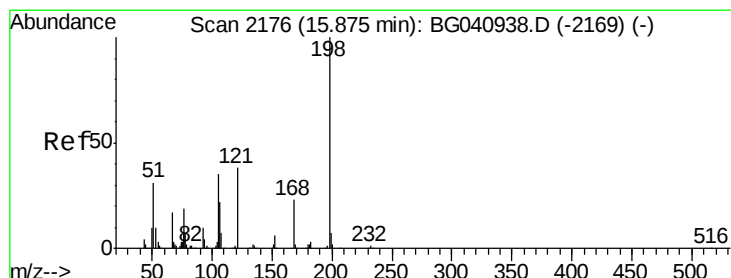
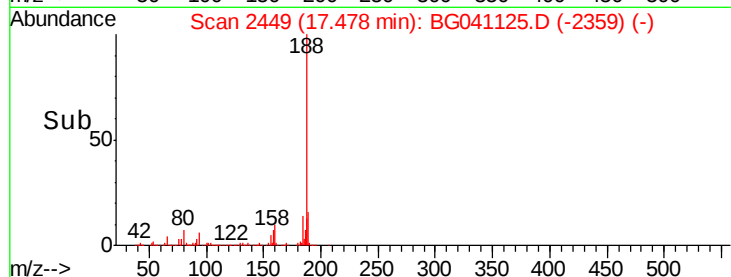
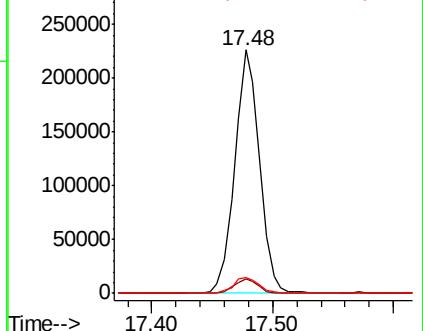
80 6.7 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 9.110 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.36 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

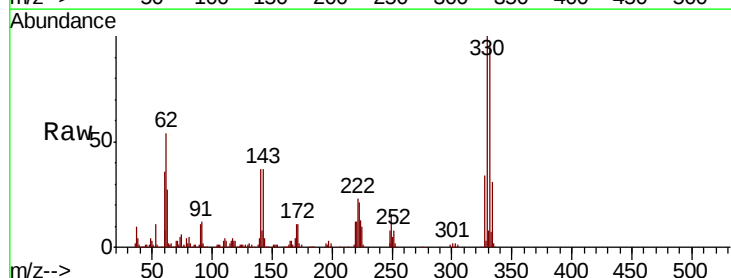
Tgt Ion:198 Resp: 1094

Ion Ratio Lower Upper

198 100

51 119.3 22.9 62.9#

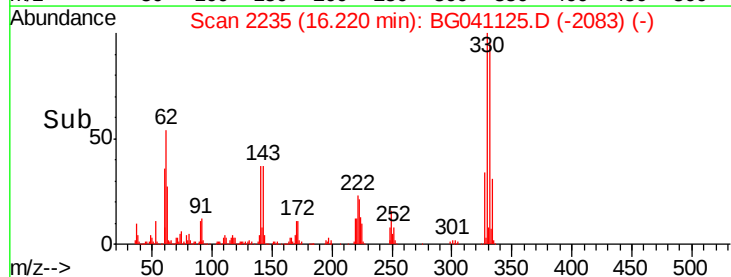
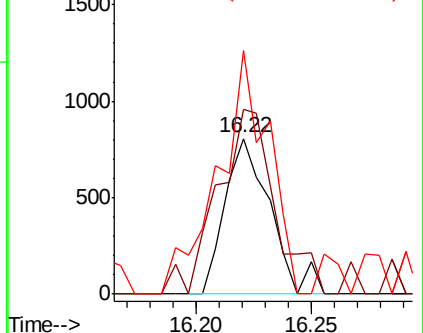
105 156.8 19.1 59.1#

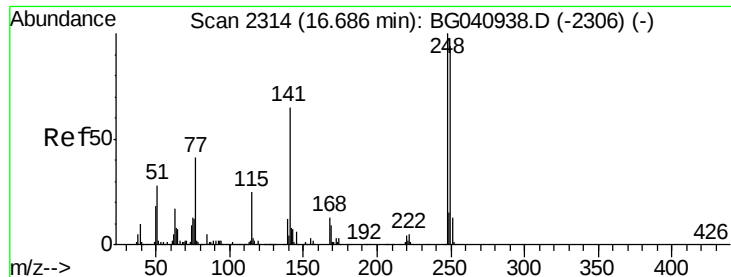


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.616 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

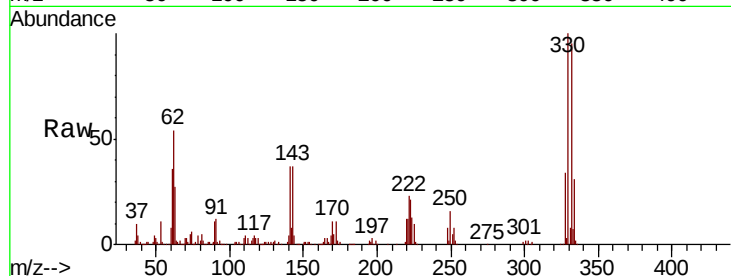
Instrument :

BNA_G

ClientSampled :

Tot Ion:248 Resp: 20049

Ion	Ratio	Lower	Upper
248	100		
250	212.8	80.9	121.3#
141	485.6	56.1	84.1#

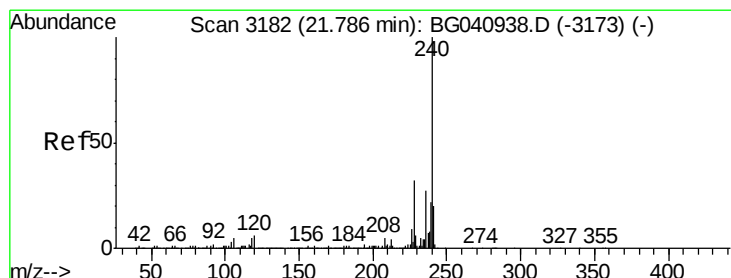
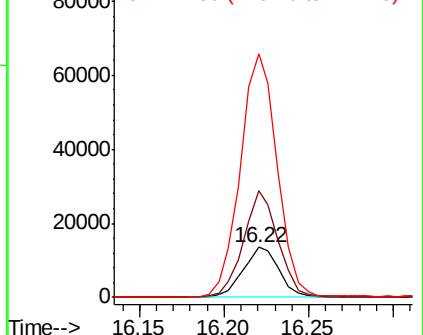
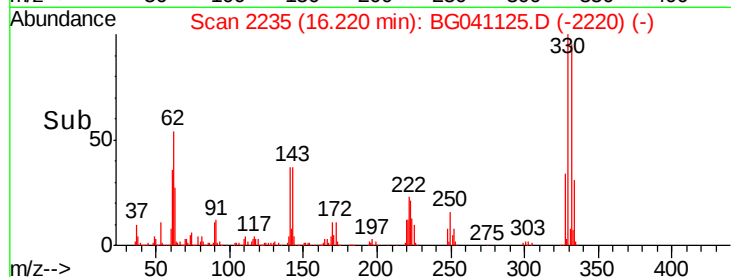


Abundance

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: 21.75 min Scan# 3177

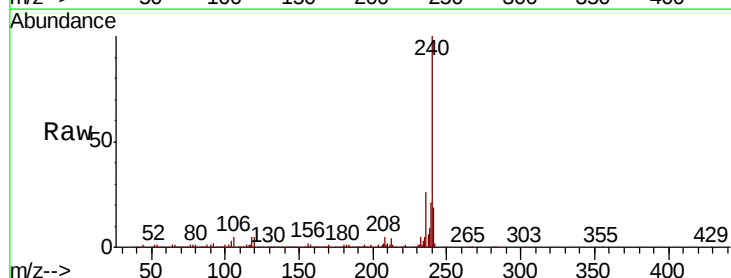
Delta R.T. -0.01 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

Tgt Ion:240 Resp: 325784

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.6	6.8
236	26.4	20.6	31.0

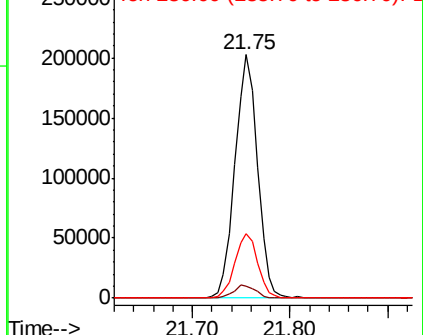
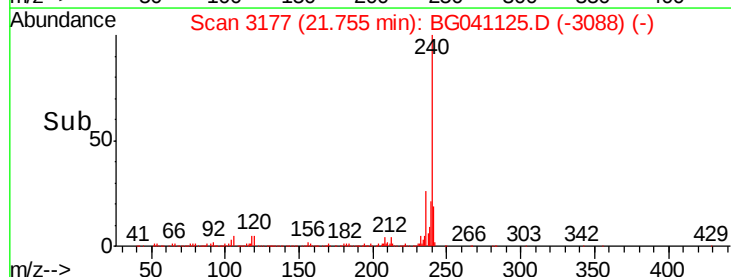


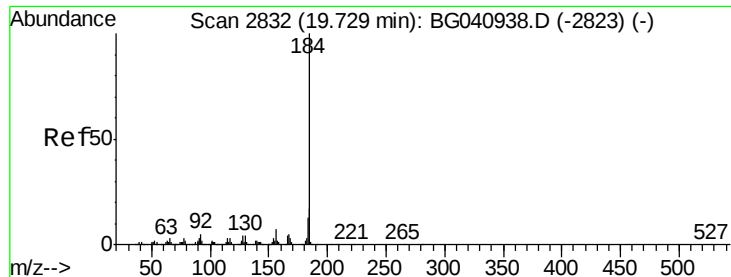
Abundance

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: 3.141 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.37 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

Instrument :

BNA_G

ClientSampleId :

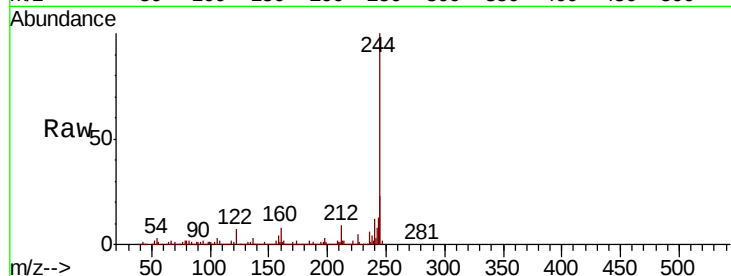
Tot Ion:184 Resp: 24408

Ion Ratio Lower Upper

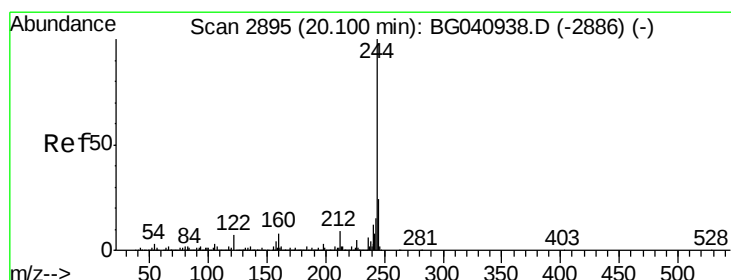
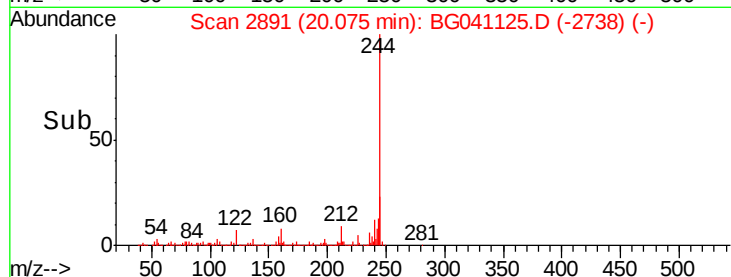
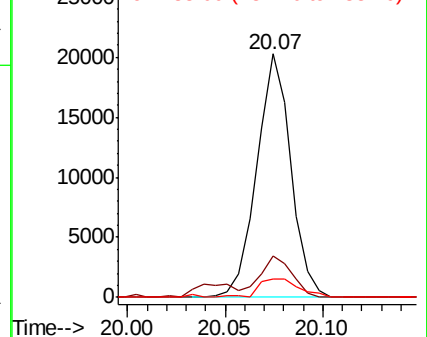
184 100

185 17.0 12.6 18.8

183 7.8 10.2 15.4#



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: 90.506 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG041125.D

Acq: 8 Jun 2019 8:33

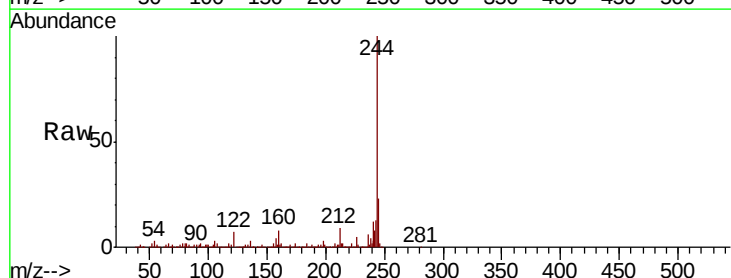
Tgt Ion:244 Resp: 1389279

Ion Ratio Lower Upper

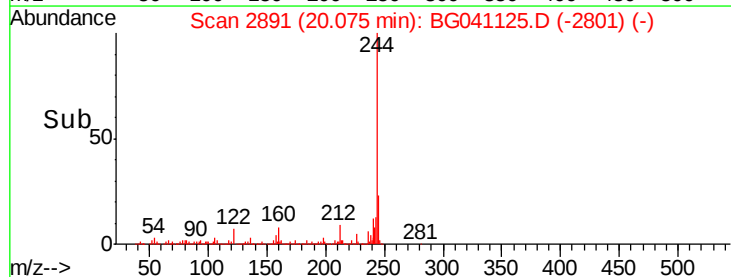
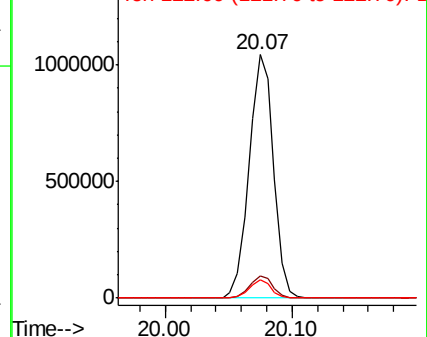
244 100

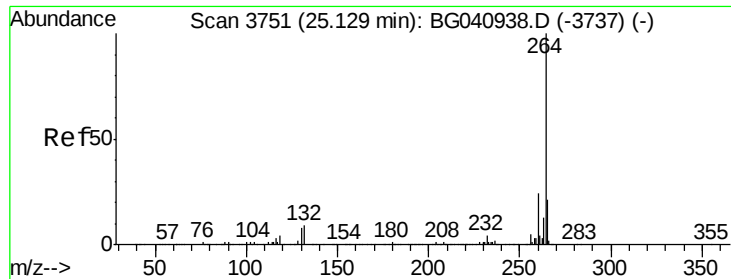
212 9.2 6.9 10.3

122 7.3 5.4 8.0



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
Pervlone-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3743
Delta R.T. -0.00 min
Lab File: BG041125.D
Acq: 8 Jun 2019 8:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	22.4	17.6	26.4

