

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040737.D
 Acq On : 3 May 2019 22:55
 Operator : JU/SJ
 Sample : K2647-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-050219-B

Quant Time: May 05 23:10:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

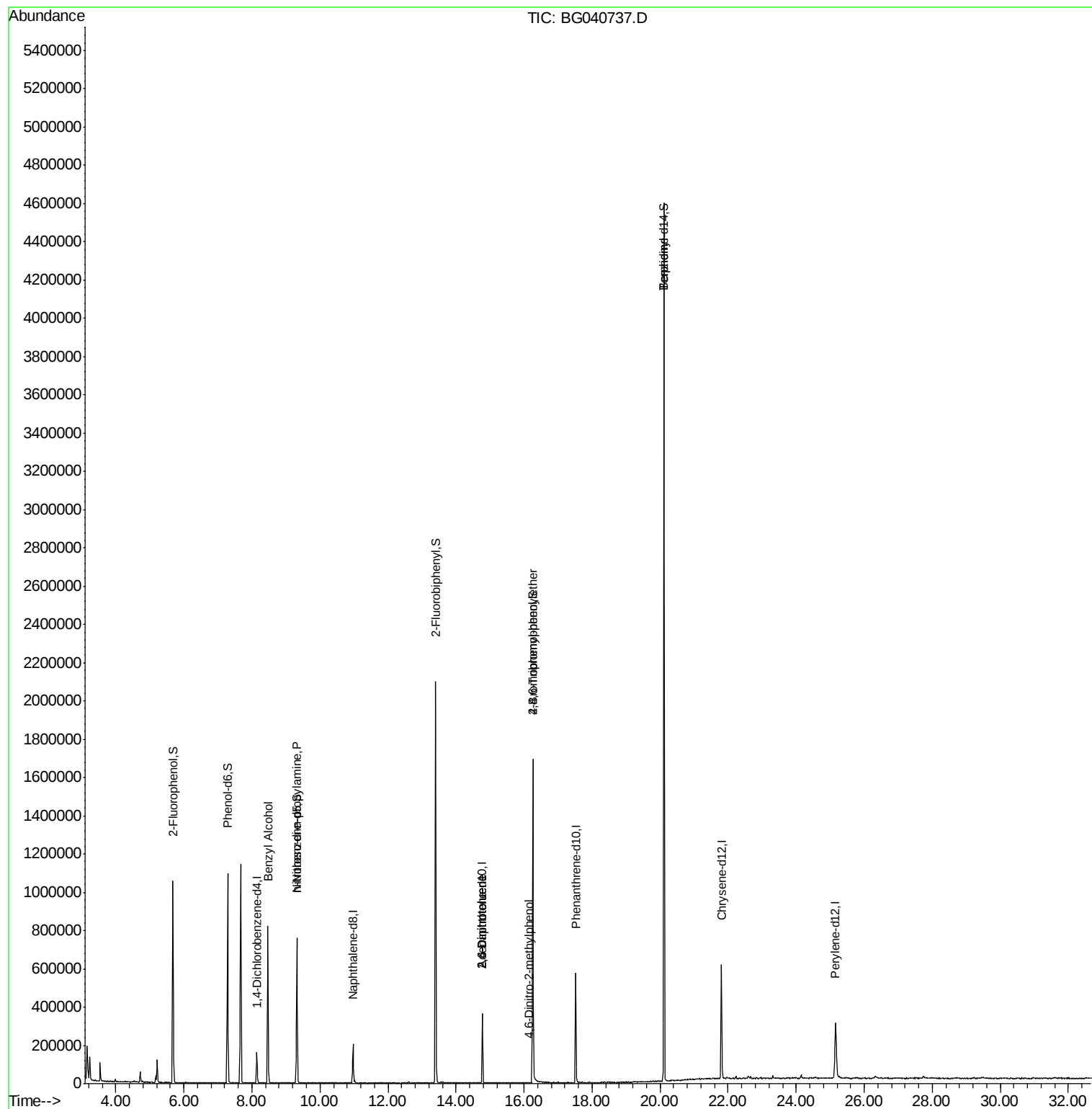
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	40038	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	160775	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	121263	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	355216	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	360969	20.00	ng	-0.02
87) Perylene-d12	25.16	264	364682	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	393356	173.18	ng	0.00
7) Phenol-d6	7.28	99	533253	152.48	ng	-0.01
23) Nitrobenzene-d5	9.32	82	449752	129.26	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	314408	188.63	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	1010602	120.36	ng	-0.02
79) Terphenyl-d14	20.12	244	2010390	123.39	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1503	Below Cal	Qvalue	# 6
15) Benzyl Alcohol	8.47	79	7745	2.128 ng	#	50
19) n-Nitroso-di-n-propylamine	9.32	70	64178	20.386 ng	#	75
51) 2,6-Dinitrotoluene	14.77	165	16735	8.451 ng	#	13
57) 2,4-Dinitrotoluene	14.77	165	16735	6.220 ng	#	15
65) 4,6-Dinitro-2-methylphenol	16.14	198	60	7.130 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	23299	5.265 ng	#	1
77) Benzydine	20.12	184	38762	3.922 ng		96

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

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Quant Time: May 05 23:10:38 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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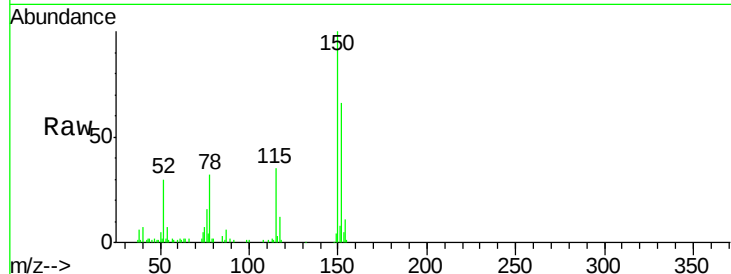


#1

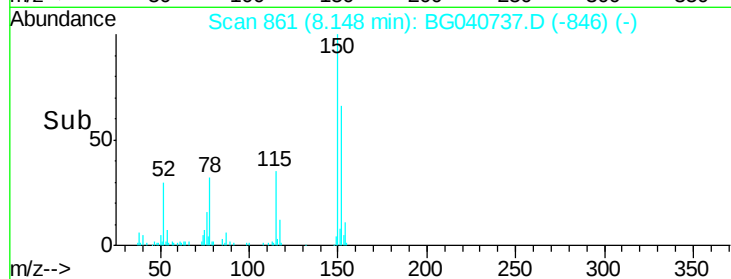
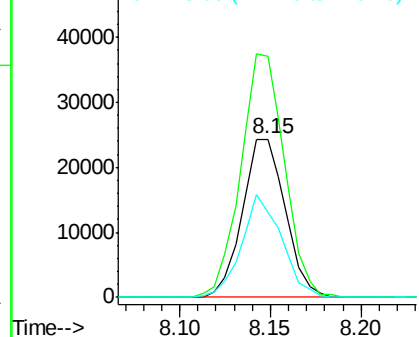
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040737.D
Acq: 3 May 2019 22:55

Instrument :
BNA_G
ClientSampleId :
SU-04-050219-B

Tot Ion	152	Resp	40038
Ion Ratio	Lower	Upper	
152	100		
150	152.0	120.2	180.2
115	53.5	46.2	69.2



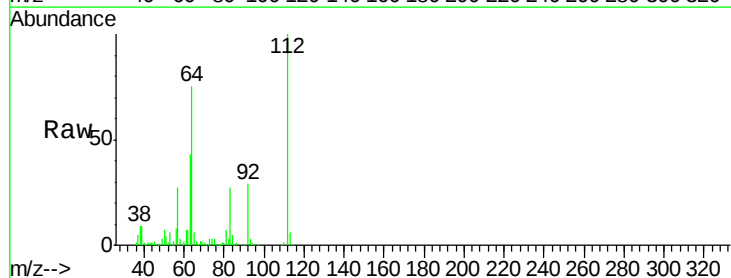
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



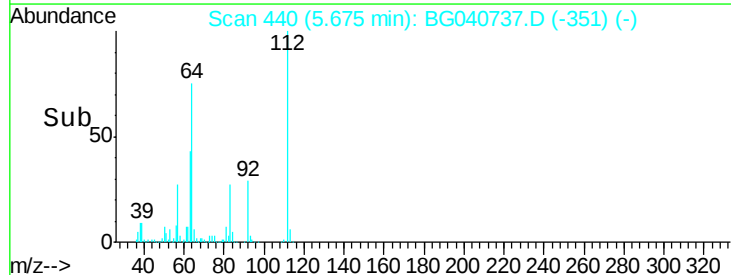
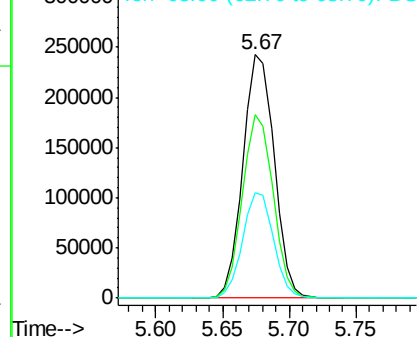
#5

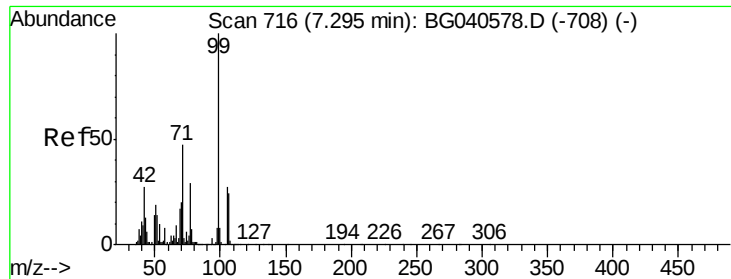
2-Fluorophenol
Concen: 173.184 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040737.D
Acq: 3 May 2019 22:55

Tgt Ion	112	Resp	393356
Ion Ratio	Lower	Upper	
112	100		
64	75.4	61.4	92.0
63	43.0	37.8	56.6



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: 152.481 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-B

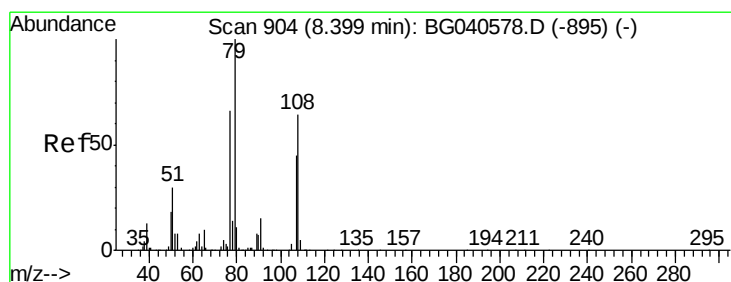
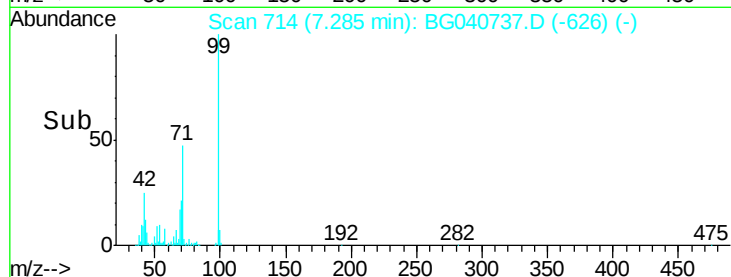
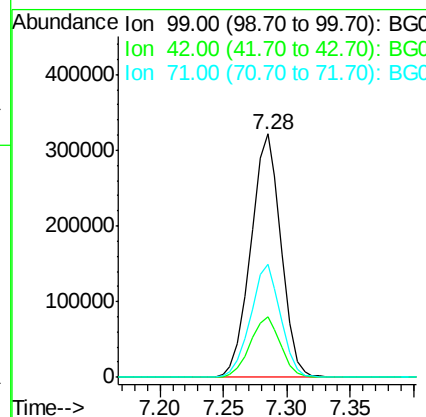
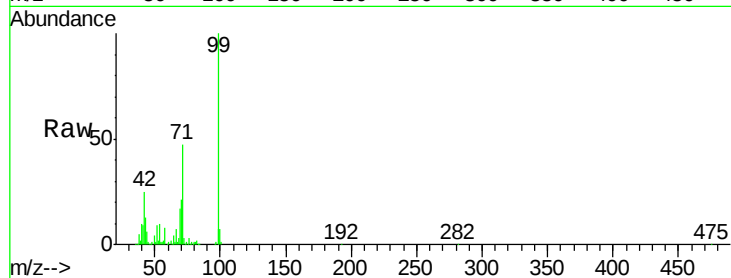
Tot Ion: 99 Resp: 533253

Ion Ratio Lower Upper

99 100

42 24.9 21.8 32.8

71 46.6 38.6 57.8



#15

Benzyl Alcohol

Concen: 2.128 ng

RT: 8.47 min Scan# 915

Delta R.T. 0.07 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

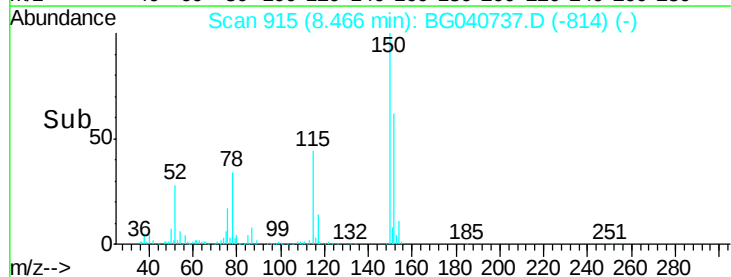
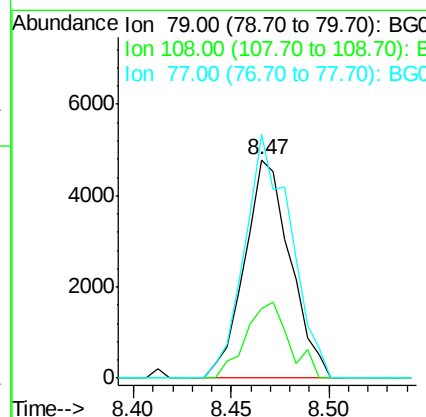
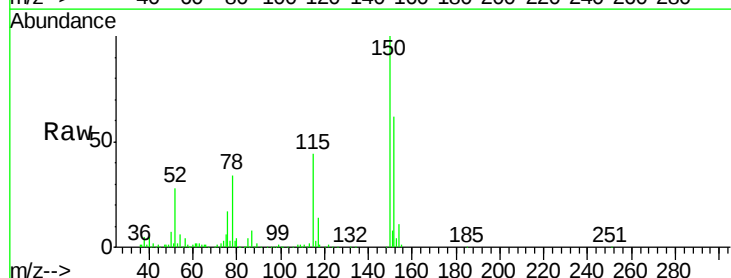
Tgt Ion: 79 Resp: 7745

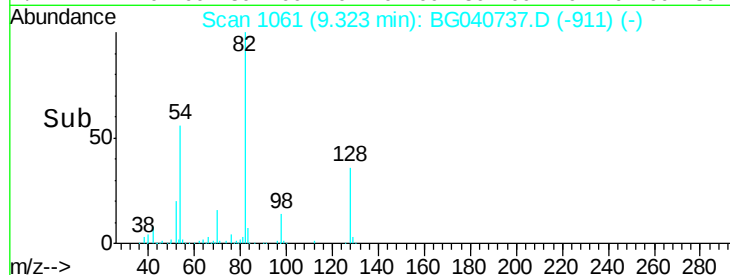
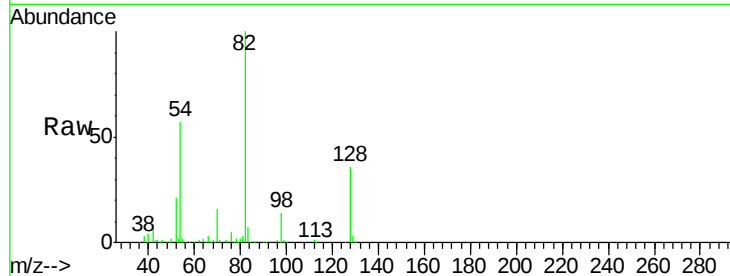
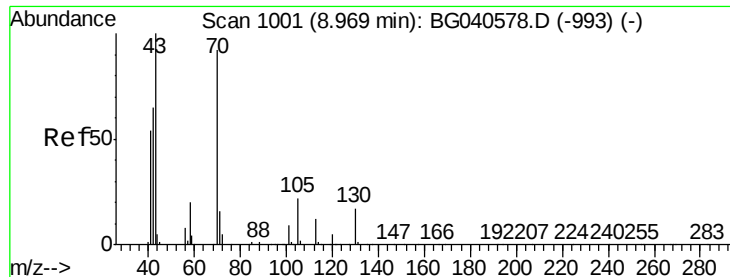
Ion Ratio Lower Upper

79 100

108 31.8 51.4 77.0#

77 111.5 52.6 79.0#

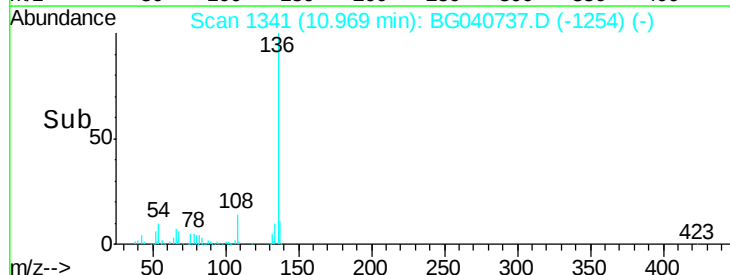
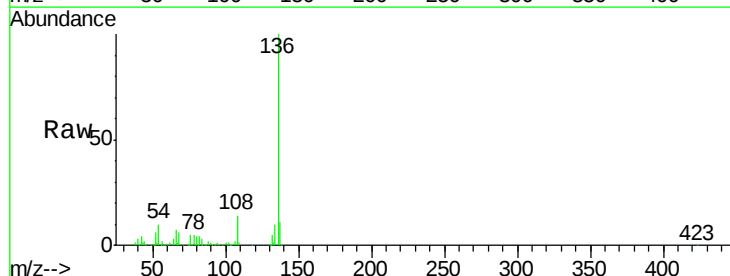
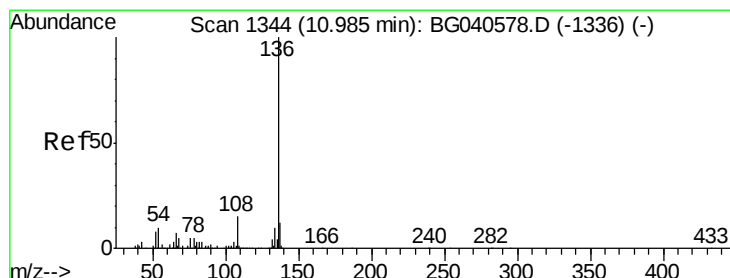
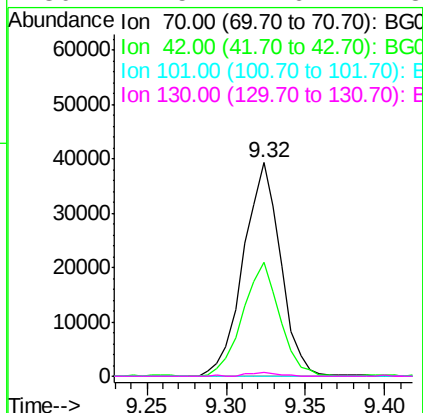




#19
n-Nitroso-di-n-propylamine
Concen: 20.386 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040737.D
Acq: 3 May 2019 22:55

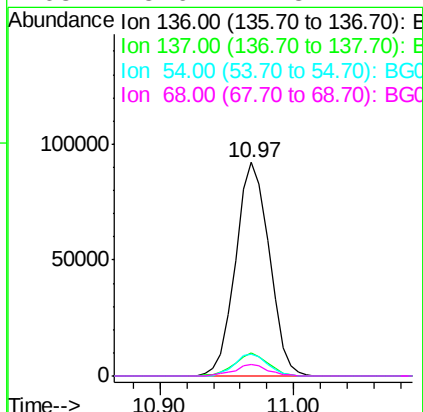
Instrument :
BNA_G
ClientSampleId :
SU-04-050219-B

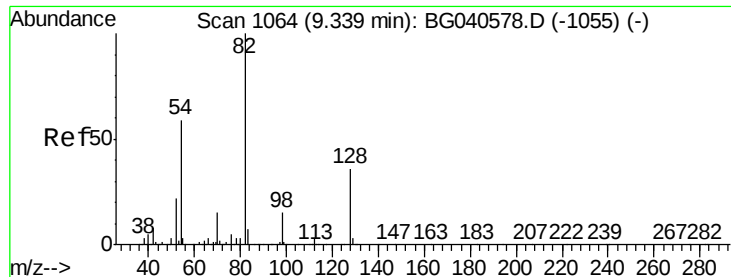
Tot Ion:	70	Resp:	64178
Ion	Ratio	Lower	Upper
70	100		
42	53.1	57.1	85.7#
101	0.0	7.8	11.8#
130	1.5	14.6	21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040737.D
Acq: 3 May 2019 22:55

Tgt Ion:	136	Resp:	160775
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.7	14.5
54	9.9	8.6	12.8
68	5.6	4.8	7.2





#23

Nitrobenzene-d5

Concen: 129.257 ng

RT: 9.32 min Scan# 1061

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-B

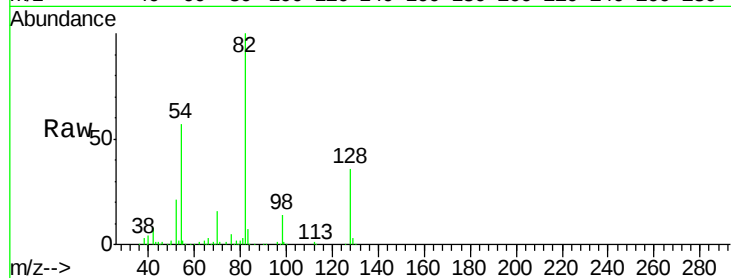
Tot Ion: 82 Resp: 449752

Ion Ratio Lower Upper

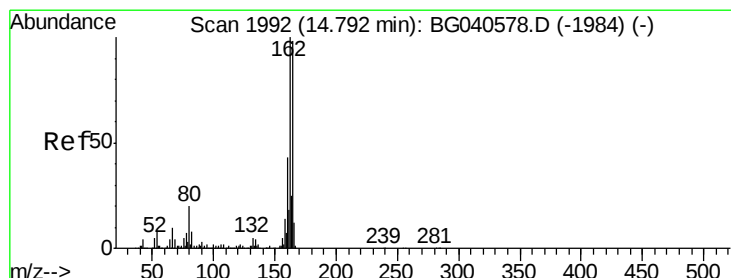
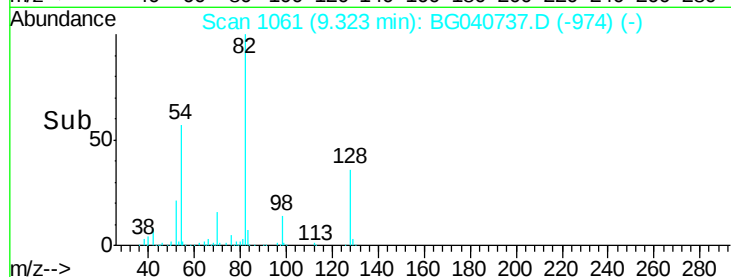
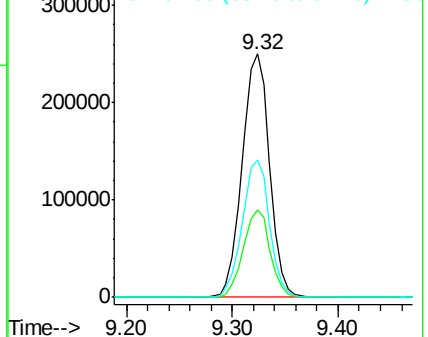
82 100

128 36.0 28.9 43.3

54 56.7 47.2 70.8



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

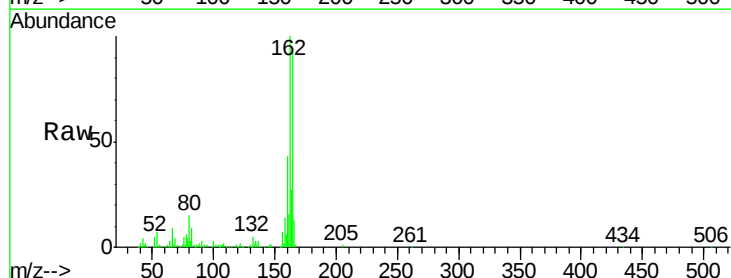
Tgt Ion: 164 Resp: 121263

Ion Ratio Lower Upper

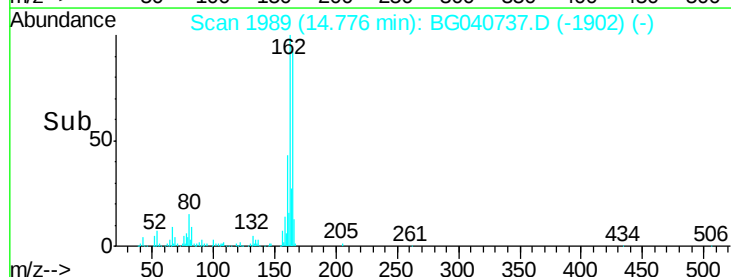
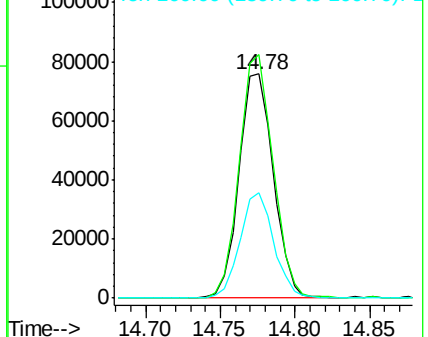
164 100

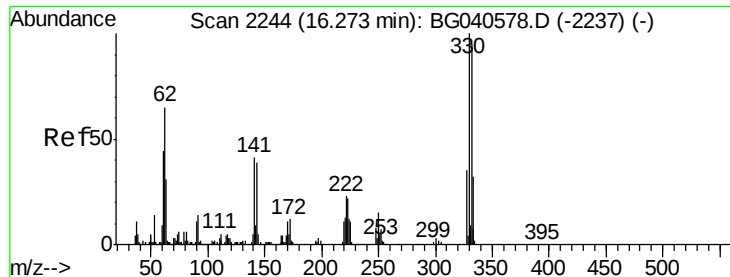
162 108.7 81.9 122.9

160 46.8 35.4 53.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 188.631 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-B

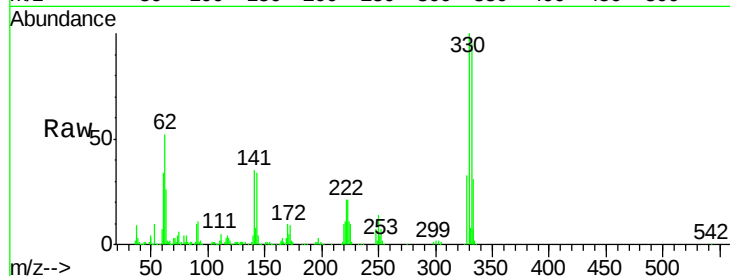
Tot Ion:330 Resp: 314408

Ion Ratio Lower Upper

330 100

332 97.2 75.9 113.9

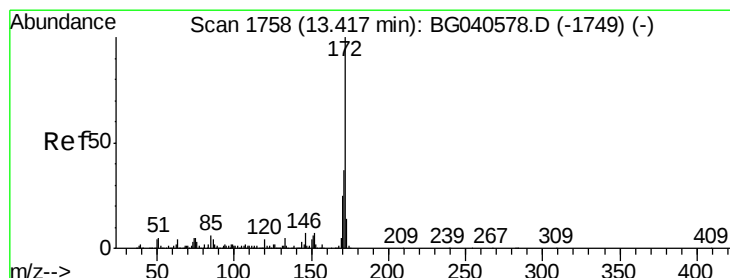
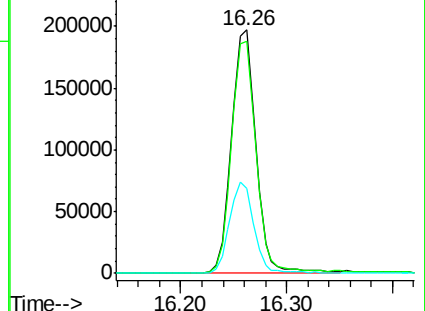
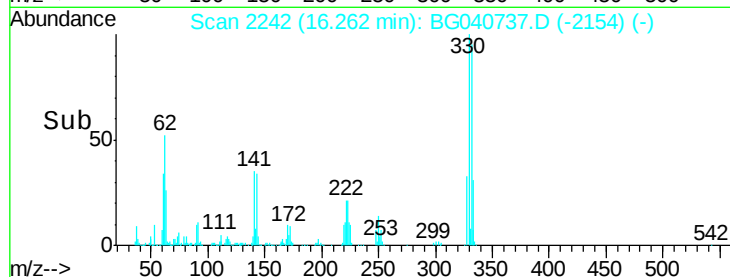
141 37.8 32.4 48.6



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: 120.359 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

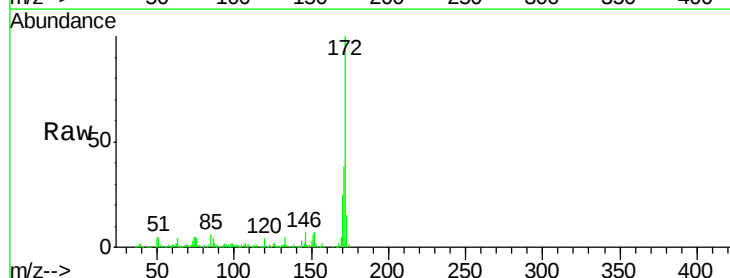
Tgt Ion:172 Resp: 1010602

Ion Ratio Lower Upper

172 100

171 38.4 29.4 44.2

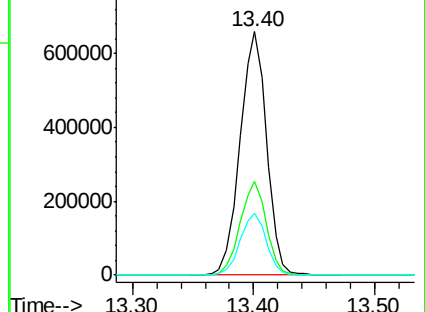
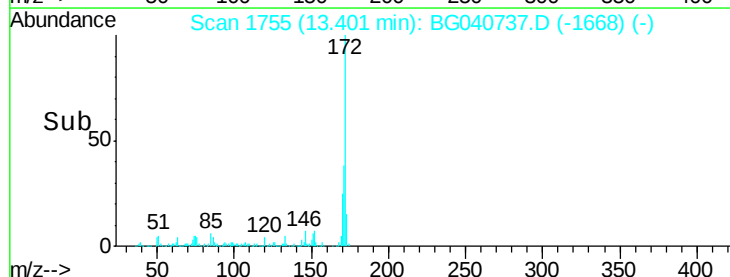
170 25.3 19.9 29.9

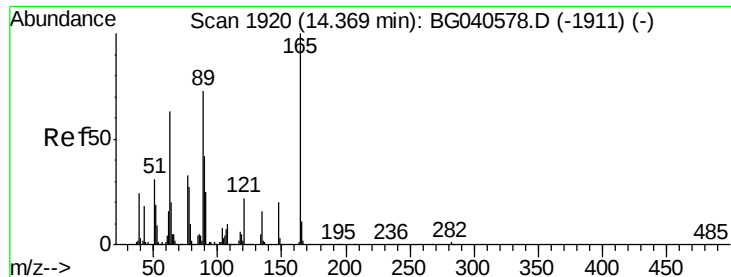


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

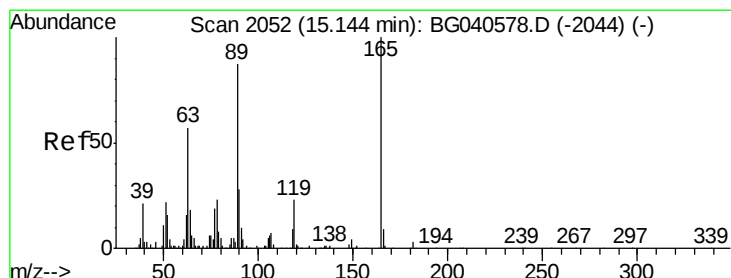
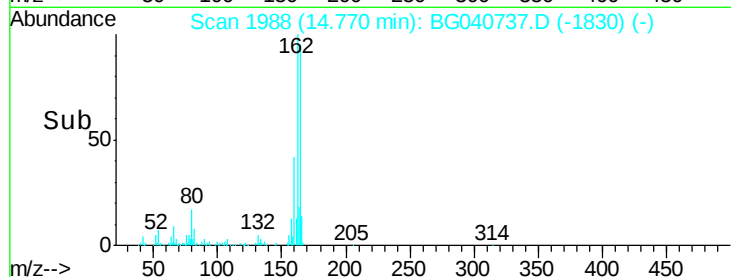
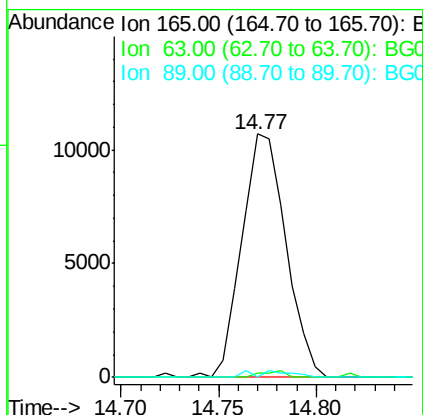
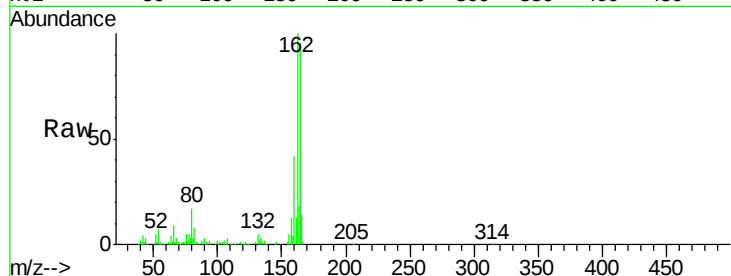




#51
 2,6-Dinitrotoluene
 Concen: 8.451 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040737.D
 Acq: 3 May 2019 22:55

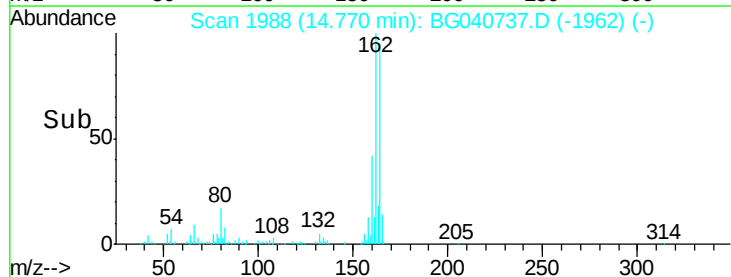
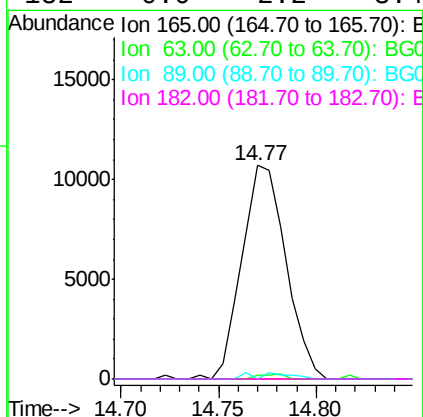
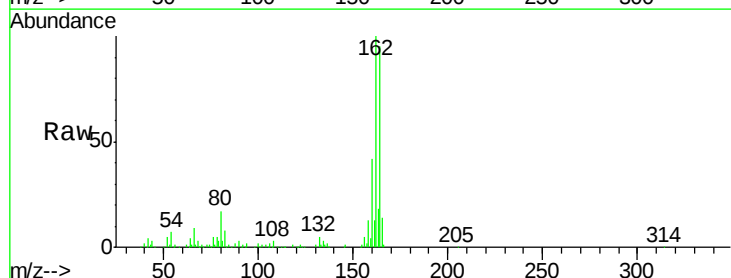
Instrument :
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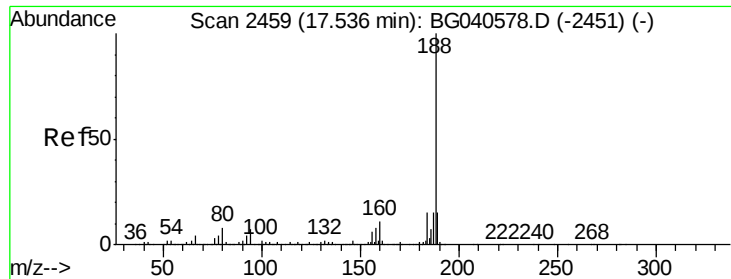
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	61.0	91.4#
89	0.0	58.6	87.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.220 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.37 min
 Lab File: BG040737.D
 Acq: 3 May 2019 22:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	45.8	68.8#
89	0.0	69.4	104.2#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-B

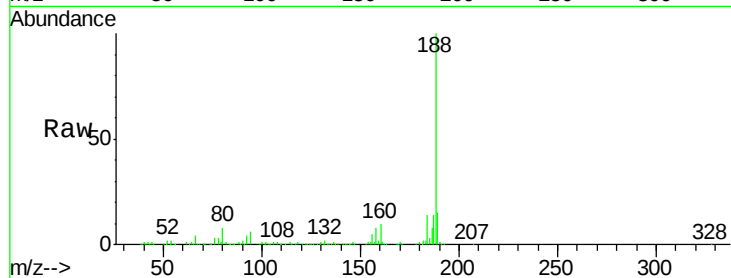
Tot Ion:188 Resp: 355216

Ion Ratio Lower Upper

188 100

94 5.8 5.6 8.4

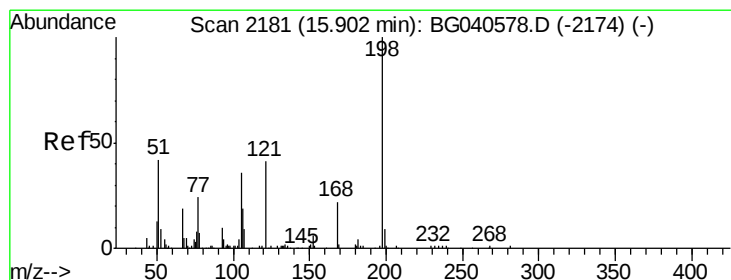
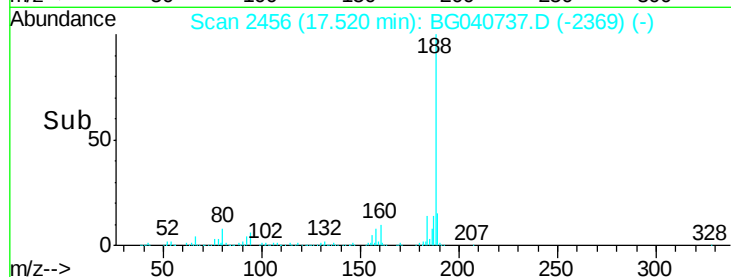
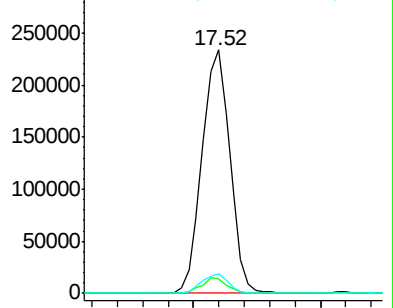
80 8.0 6.4 9.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.130 ng

RT: 16.14 min Scan# 2221

Delta R.T. 0.24 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

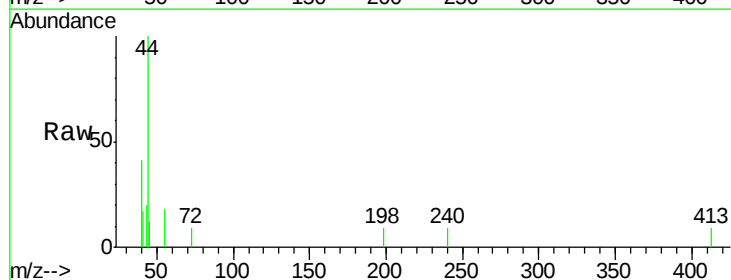
Tgt Ion:198 Resp: 60

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

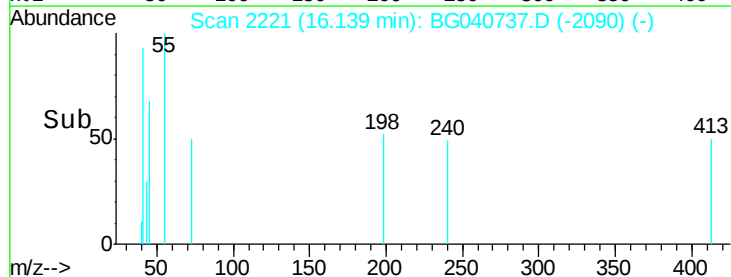
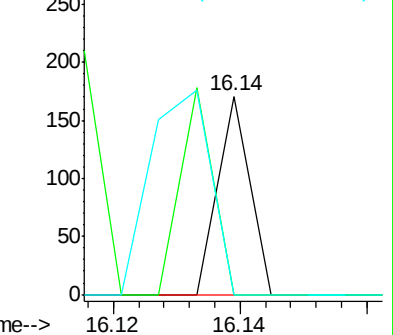
105 0.0 21.2 61.2#

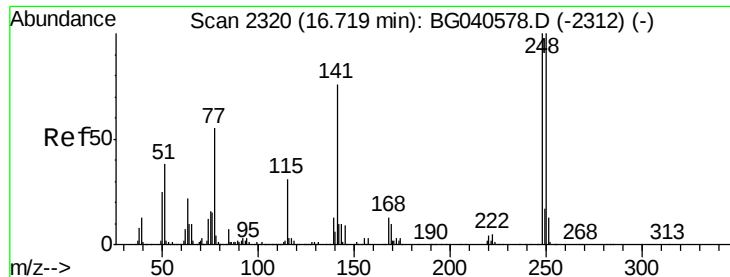


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 5.265 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-B

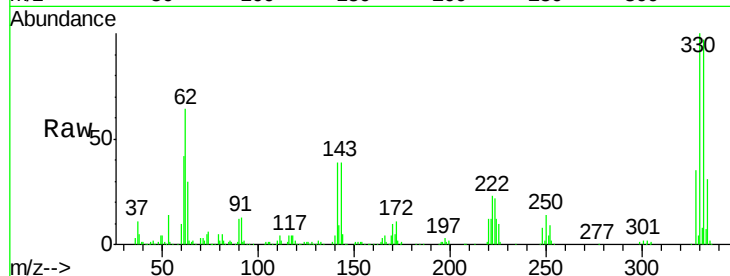
Tot Ion:248 Resp: 23299

Ion Ratio Lower Upper

248 100

250 162.1 79.8 119.6#

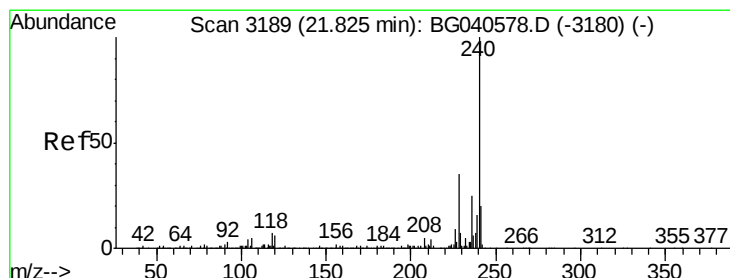
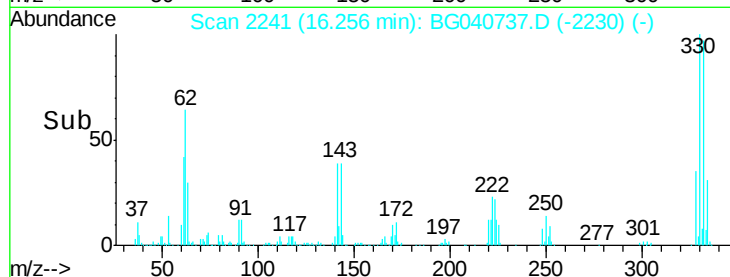
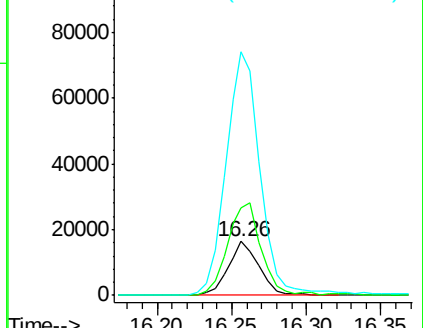
141 454.3 60.8 91.2#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

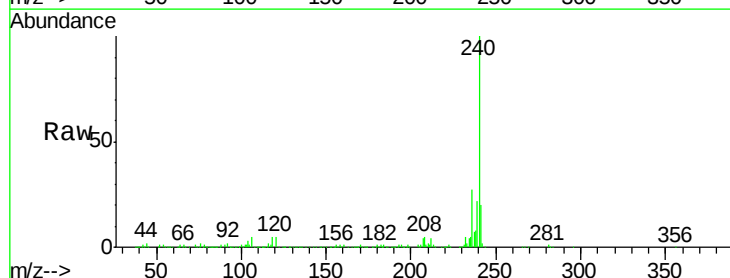
Tgt Ion:240 Resp: 360969

Ion Ratio Lower Upper

240 100

120 5.3 5.0 7.6

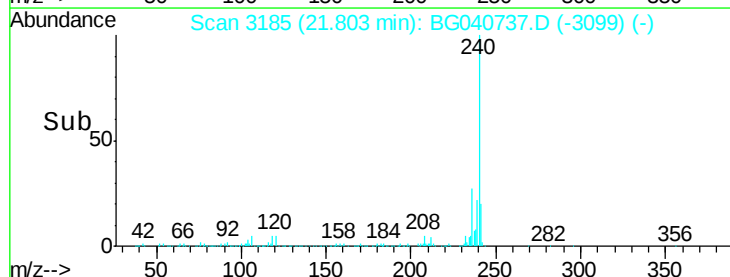
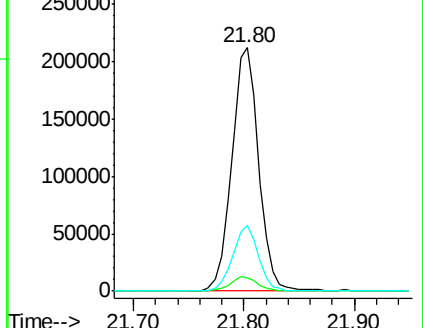
236 27.2 20.3 30.5



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: 3.922 ng

RT: 20.12 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

BNA_G

ClientSampleId :

SU-04-050219-B

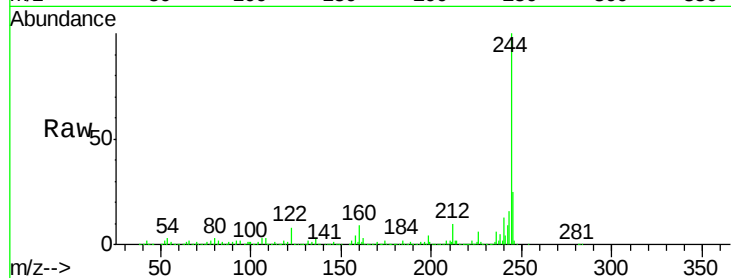
Tot Ion:184 Resp: 38762

Ion Ratio Lower Upper

184 100

185 16.3 11.8 17.8

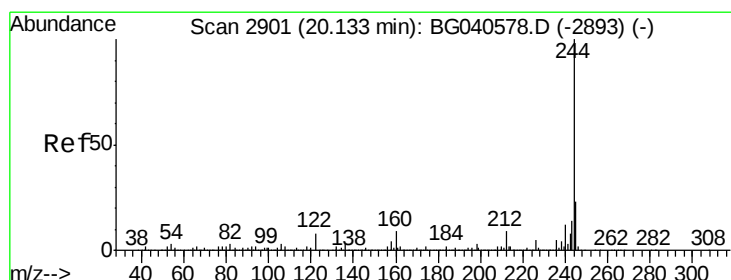
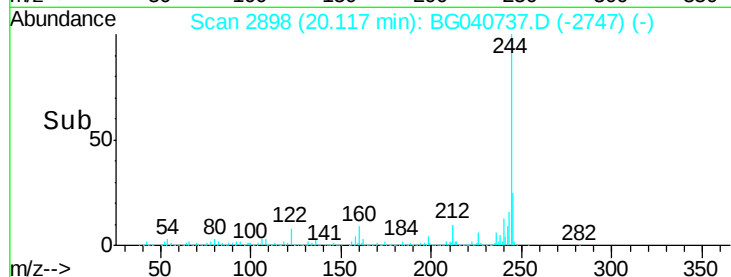
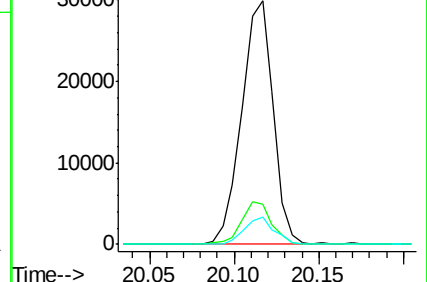
183 11.3 10.2 15.2



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: 123.386 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

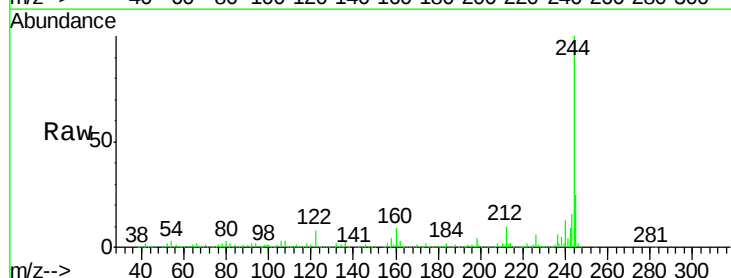
Tgt Ion:244 Resp: 2010390

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

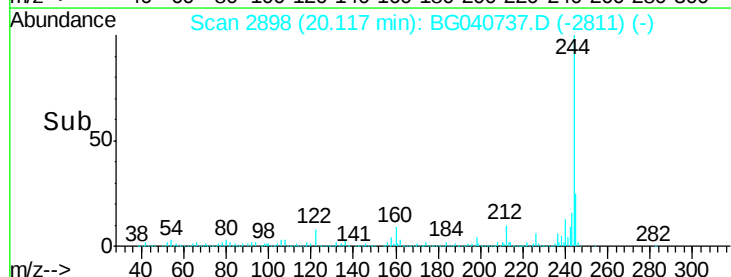
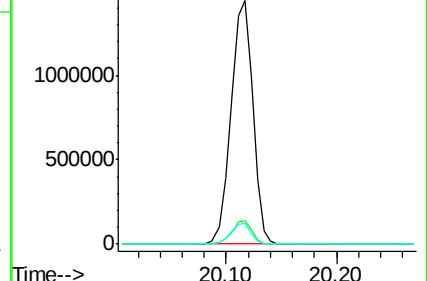
122 8.4 6.6 10.0



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

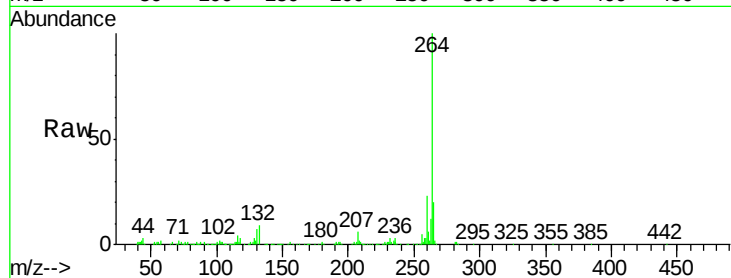




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040737.D
Acq: 3 May 2019 22:55

Instrument :
BNA_G
ClientSampleId :
SU-04-050219-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	20.3	16.6	25.0



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

