

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061319\
 Data File : BG041238.D
 Acq On : 14 Jun 2019 2:30
 Operator : HP/JU
 Sample : K3340-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BUS-2

Quant Time: Jun 14 04:56:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

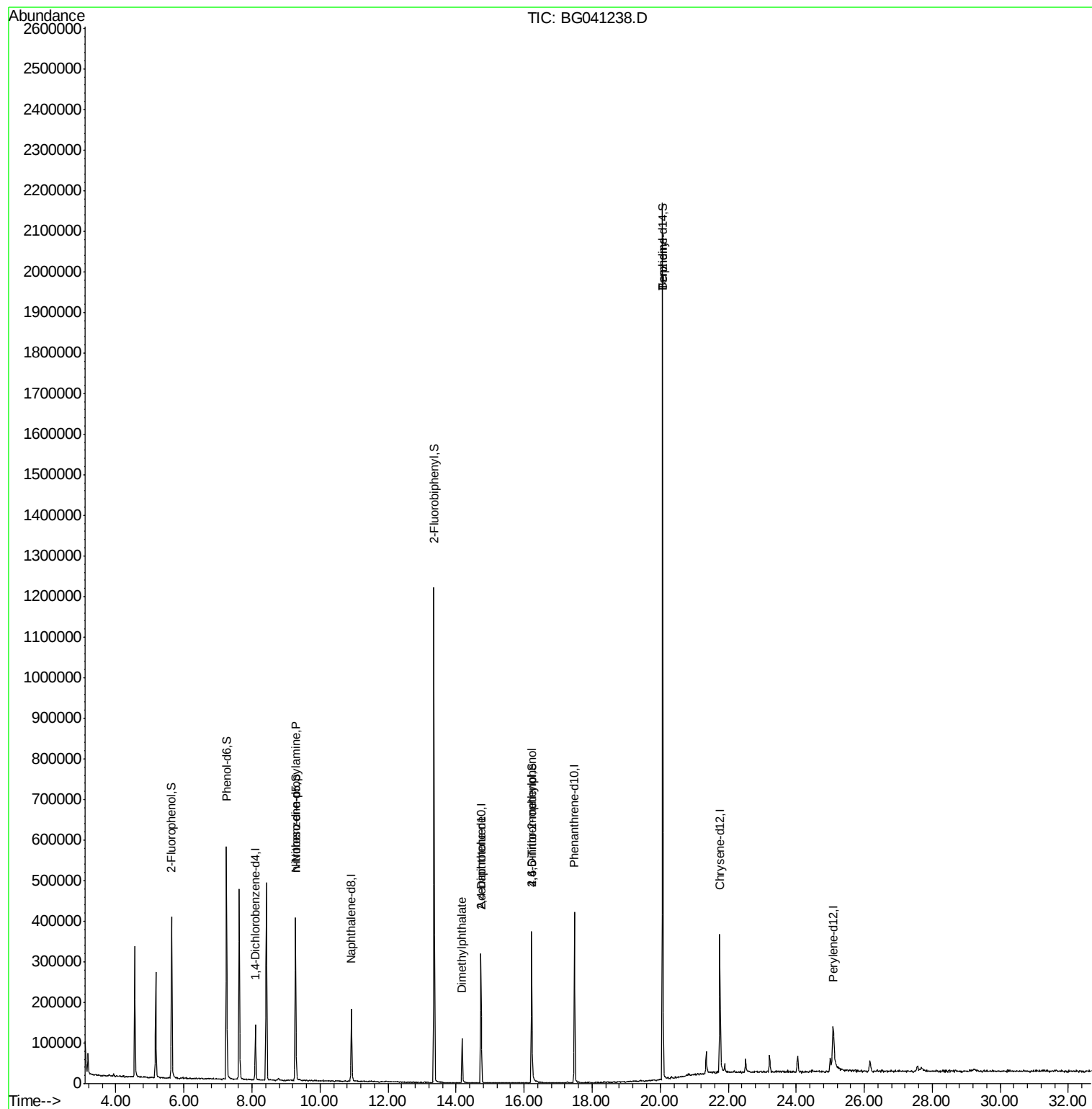
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	36453	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	154883	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	109654	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	274344	20.00	ng	0.00
76) Chrysene-d12	21.75	240	255117	20.00	ng	0.00
87) Perylene-d12	25.09	264	200615	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	157746	78.03	ng	0.00
7) Phenol-d6	7.25	99	302823	96.99	ng	0.00
23) Nitrobenzene-d5	9.28	82	253783	72.74	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	78269	48.08	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	624129	81.97	ng	0.00
79) Terphenyl-d14	20.07	244	1059899	88.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	37398	15.566	ng	Qvalue
50) Dimethylphthalate	14.18	163	82021	8.836	ng	# 76
57) 2,4-Dinitrotoluene	14.73	165	14032	4.963	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.23	198	272	8.741	ng	# 65
77) Benzidine	20.07	184	18159	2.984	ng	96

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

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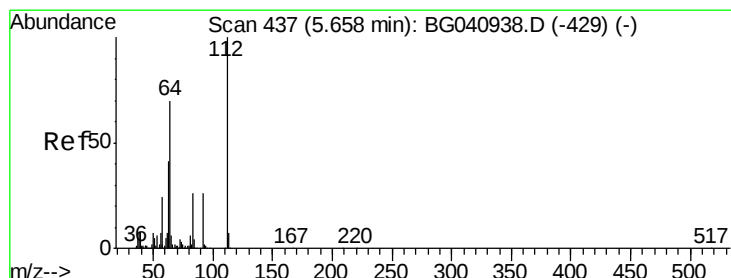
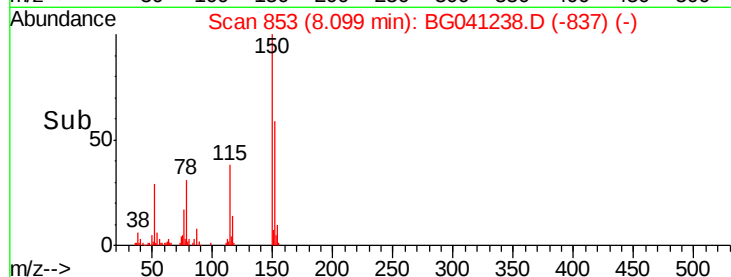
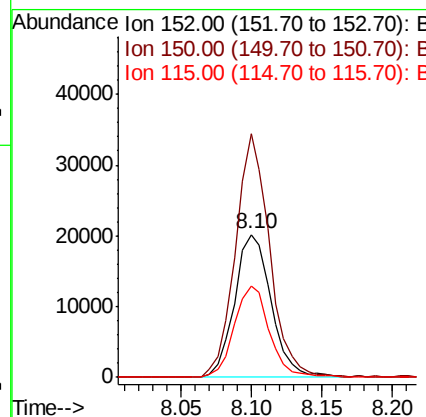
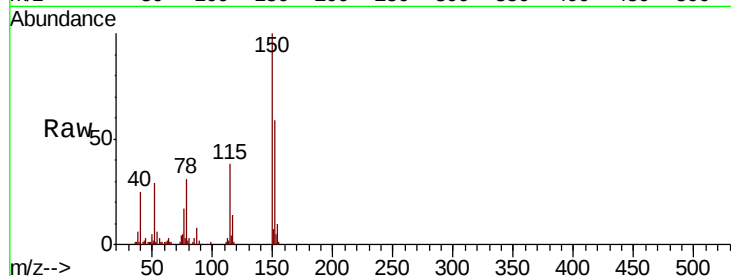


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BG041238.D
Acq: 14 Jun 2019 2:30

Instrument :
BNA_G
ClientSampleId :
BUS-2

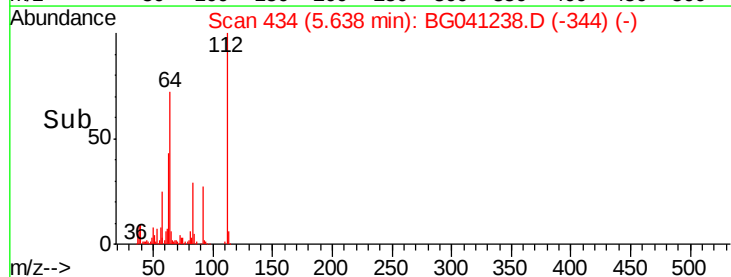
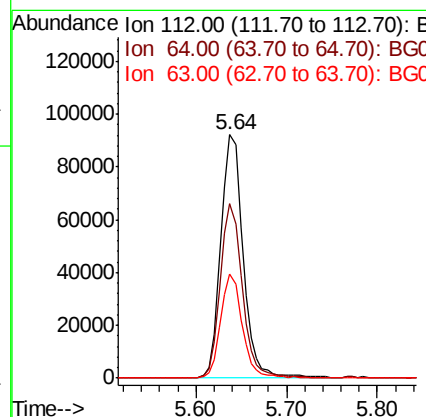
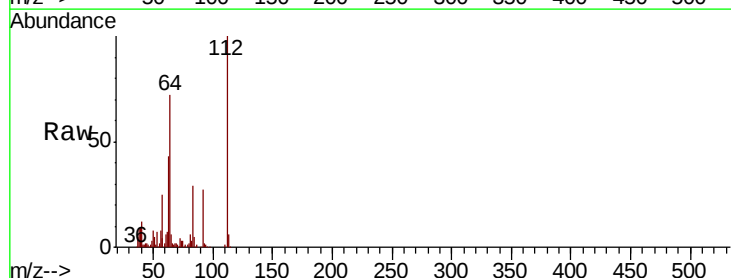
Tgt Ion	Ratio	Lower	Upper
152	100		
150	170.8	120.6	180.8
115	64.1	45.1	67.7

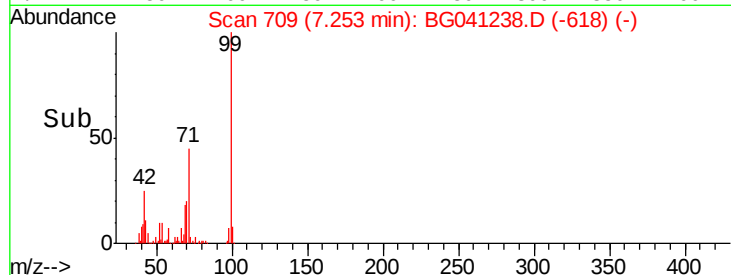
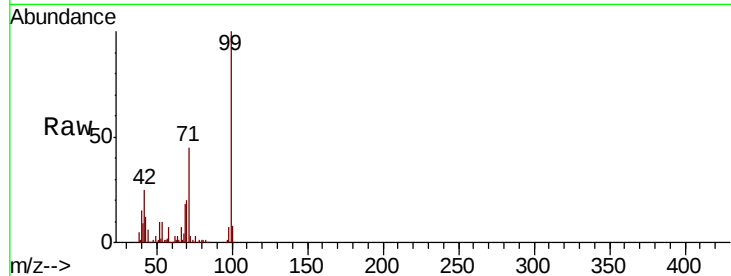


#5

2-Fluorophenol
Concen: 78.032 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041238.D
Acq: 14 Jun 2019 2:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	56.2	84.2
63	42.8	32.8	49.2





#7

Phenol-d6

Concen: 96.994 ng

RT: 7.25 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041238.D

Acq: 14 Jun 2019 2:30

Instrument :

BNA_G

ClientSampleId :

BUS-2

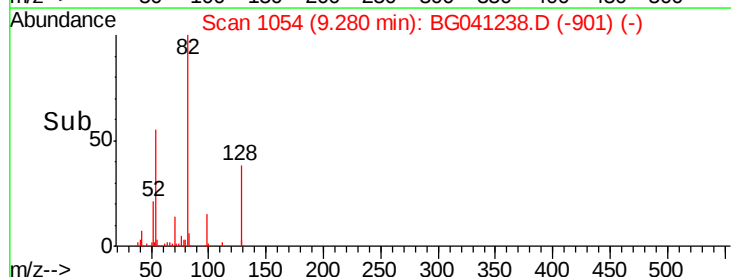
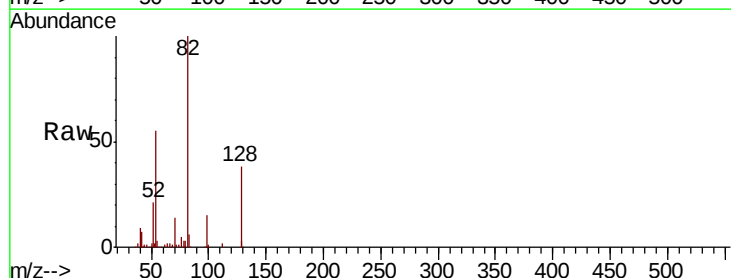
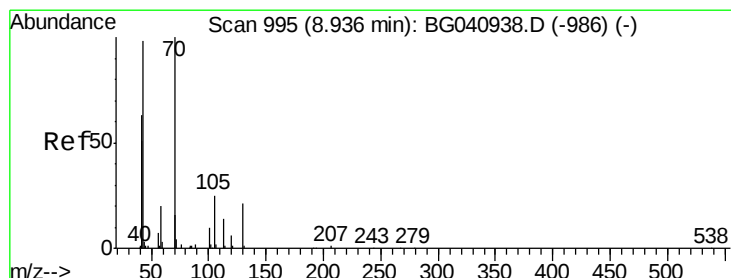
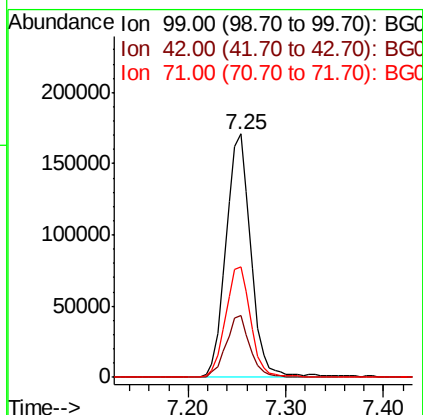
Tgt Ion: 99 Resp: 302823

Ion Ratio Lower Upper

99 100

42 25.3 17.9 26.9

71 45.5 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.566 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041238.D

Acq: 14 Jun 2019 2:30

Tgt Ion: 70 Resp: 37398

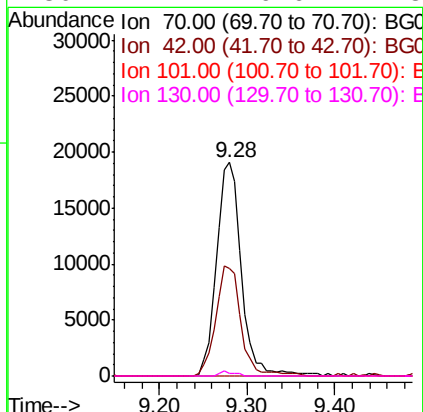
Ion Ratio Lower Upper

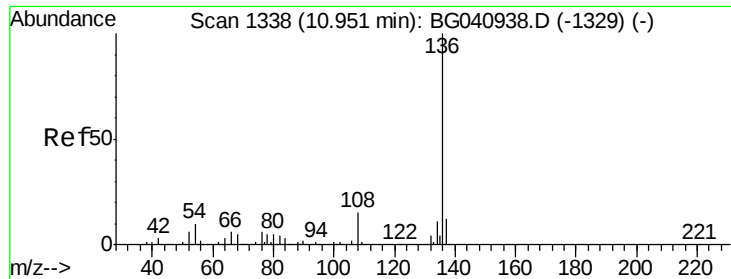
70 100

42 50.7 51.5 77.3#

101 0.0 8.1 12.1#

130 1.4 16.6 24.8#

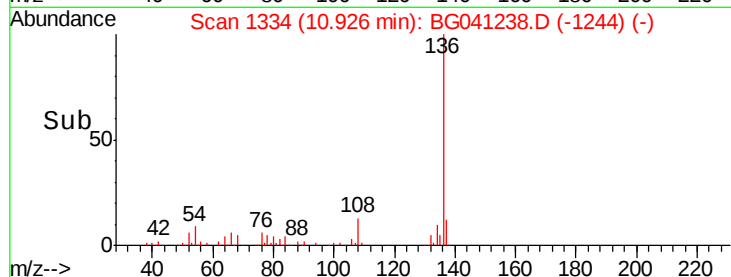
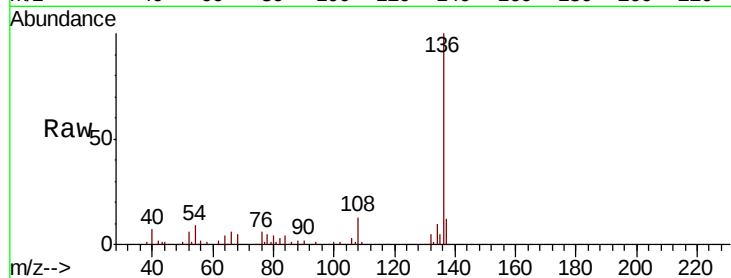




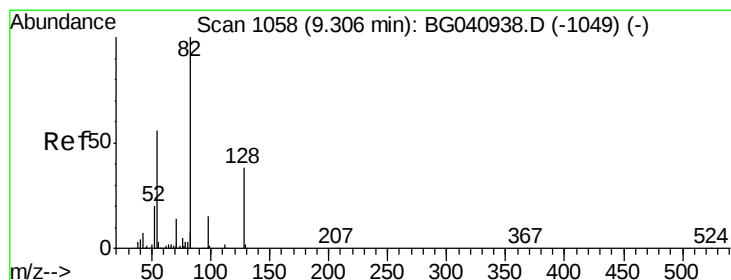
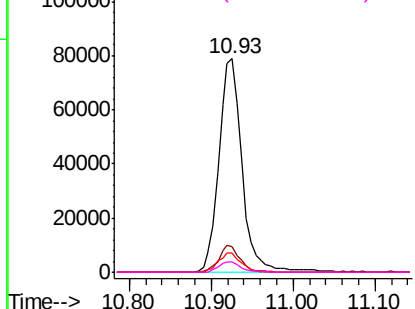
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041238.D
Acq: 14 Jun 2019 2:30

Instrument :
BNA_G
ClientSampleId :
BUS-2

Tgt Ion:	136	Resp:	154883
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	8.8	7.6	11.4
68	4.7	3.9	5.9

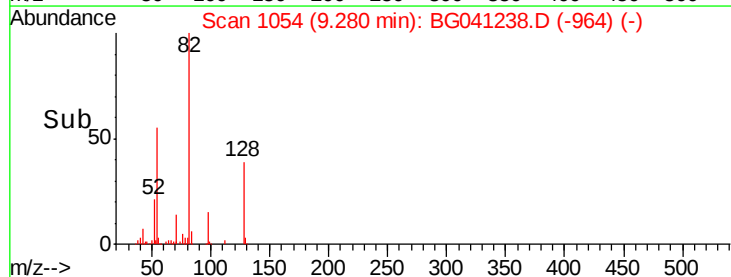
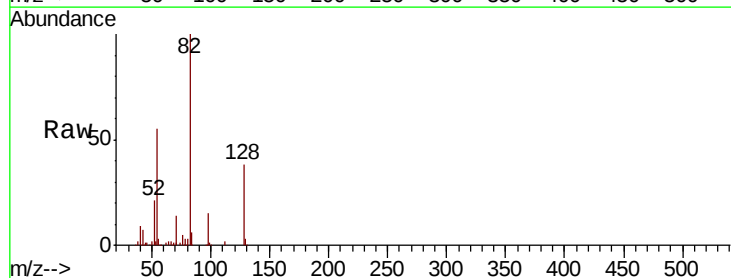


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

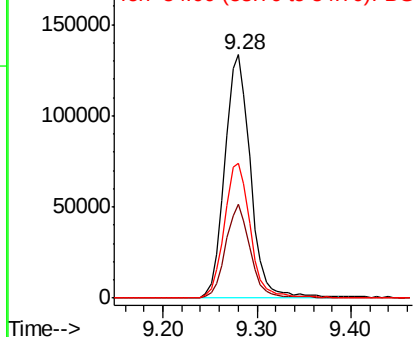


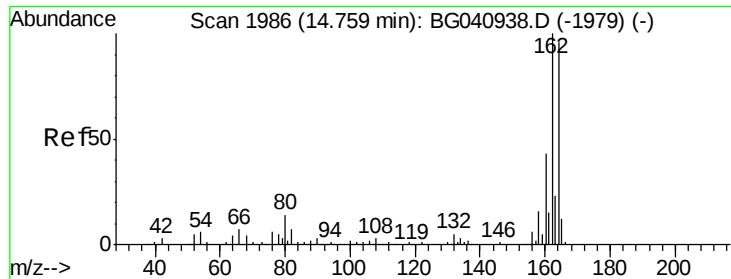
#23
Nitrobenzene-d5
Concen: 72.741 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041238.D
Acq: 14 Jun 2019 2:30

Tgt Ion:	82	Resp:	253783
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.5	45.7
54	55.4	44.6	66.8



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: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG041238.D

Acq: 14 Jun 2019 2:30

Instrument :

BNA_G

ClientSampleId :

BUS-2

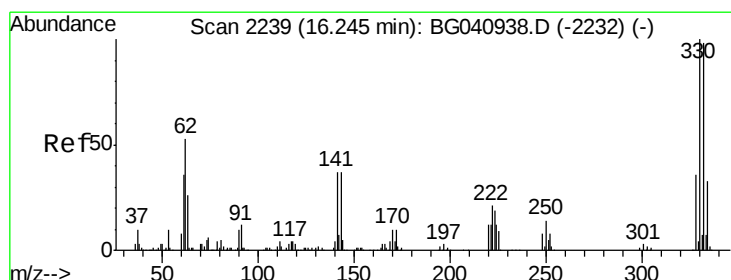
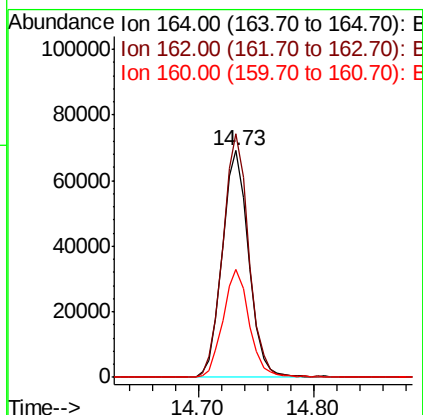
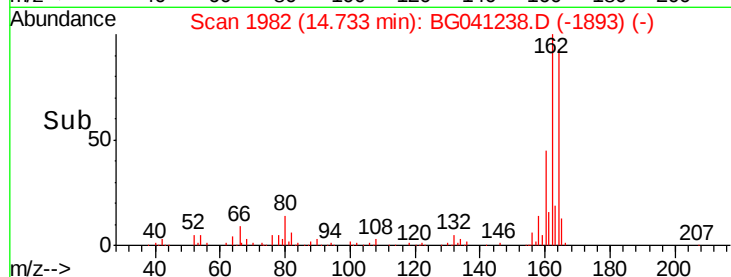
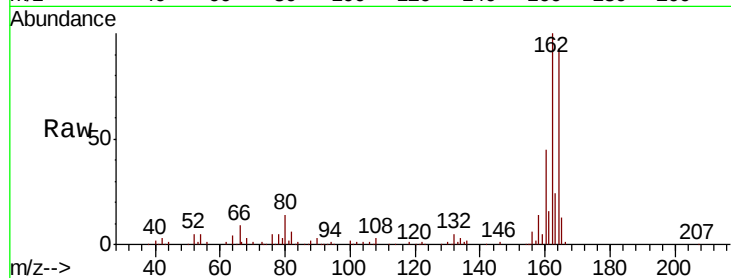
Tgt Ion:164 Resp: 109654

Ion Ratio Lower Upper

164 100

162 107.5 83.0 124.4

160 47.9 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 48.080 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BG041238.D

Acq: 14 Jun 2019 2:30

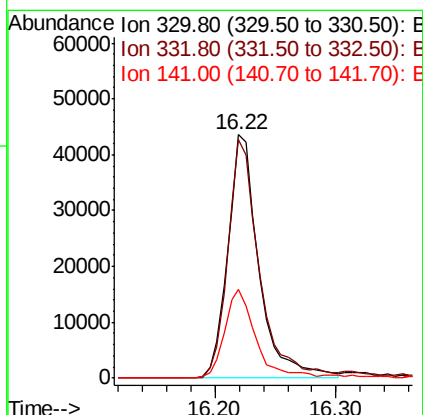
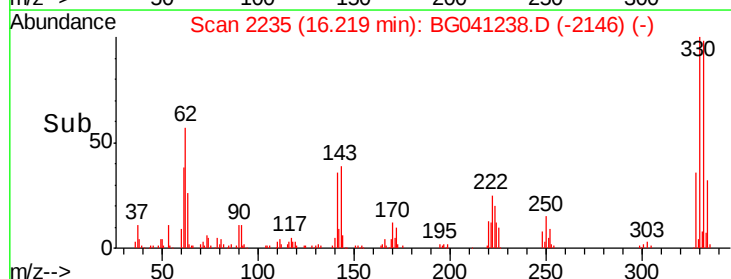
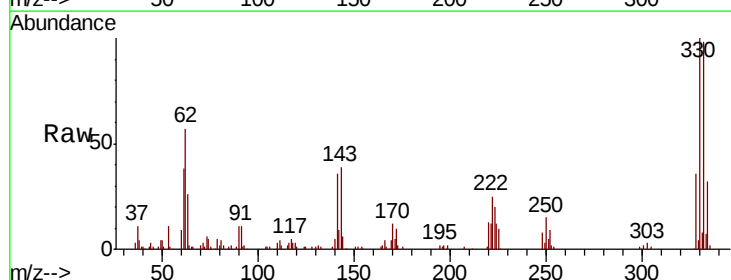
Tgt Ion:330 Resp: 78269

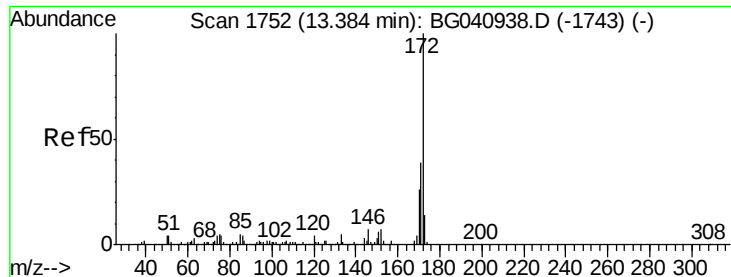
Ion Ratio Lower Upper

330 100

332 98.9 78.5 117.7

141 35.9 28.7 43.1

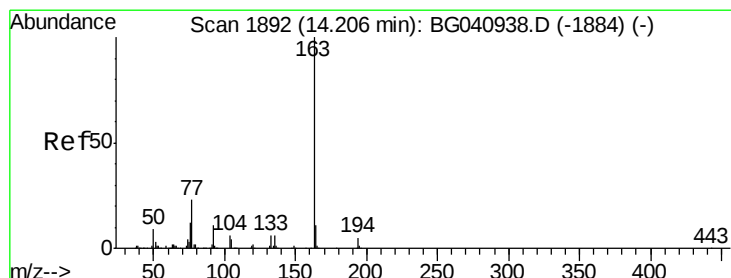
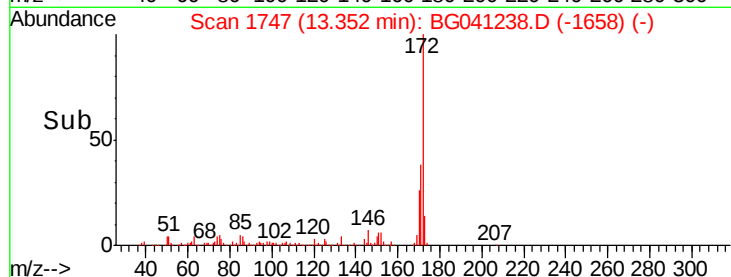
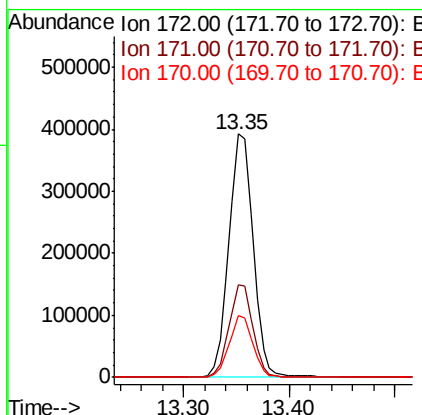
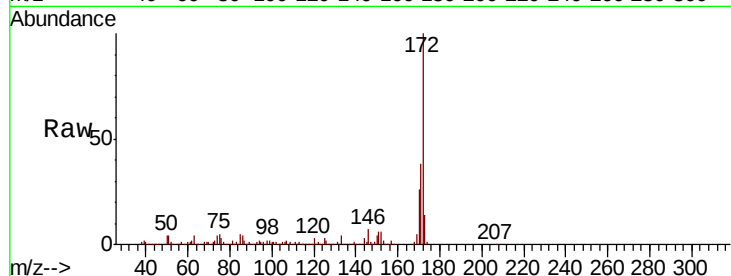




#45
2-Fluorobiphenyl
Concen: 81.968 ng
RT: 13.35 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BG041238.D
Acq: 14 Jun 2019 2:30

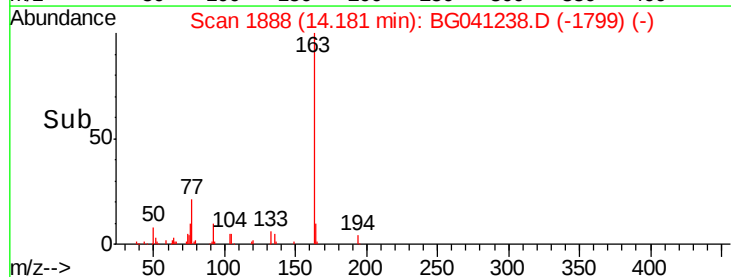
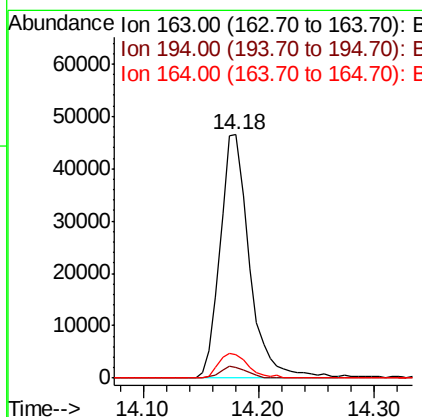
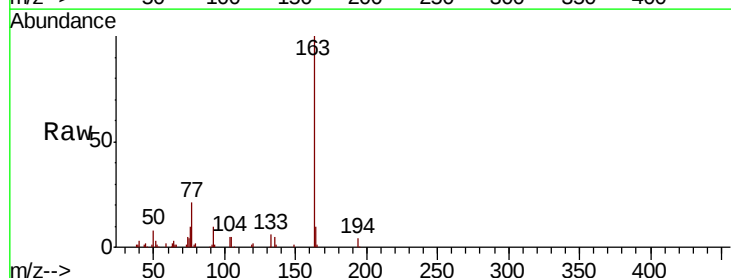
Instrument :
BNA_G
ClientSampleId :
BUS-2

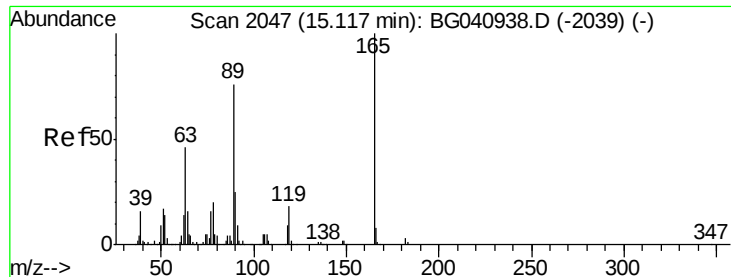
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.1	46.7
170	25.5	20.5	30.7



#50
Dimethylphthalate
Concen: 8.836 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BG041238.D
Acq: 14 Jun 2019 2:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.8	5.8
164	9.9	8.7	13.1

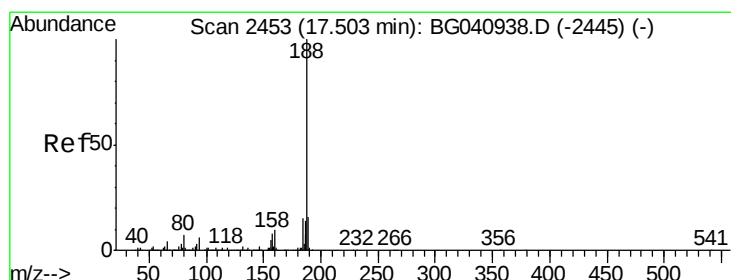
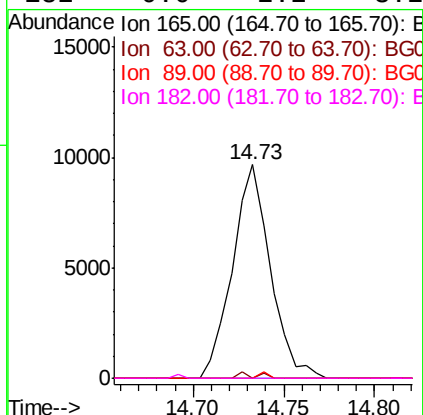
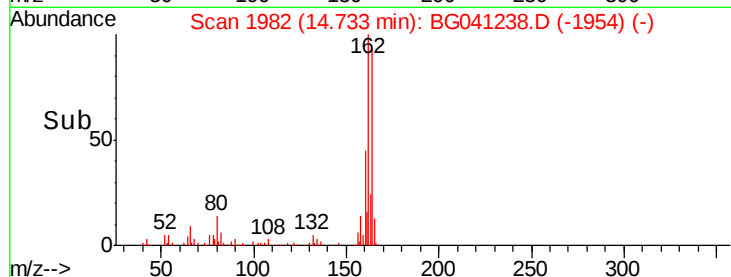
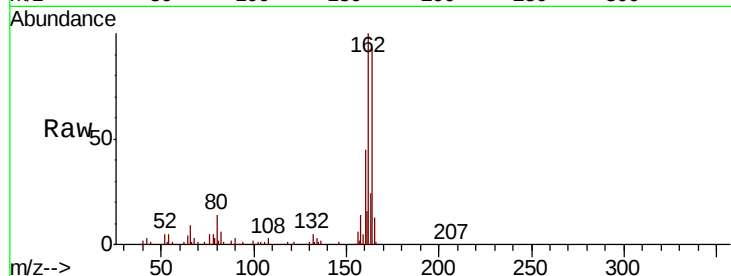




#57
 2,4-Dinitrotoluene
 Concen: 4.963 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.36 min
 Lab File: BG041238.D
 Acq: 14 Jun 2019 2:30

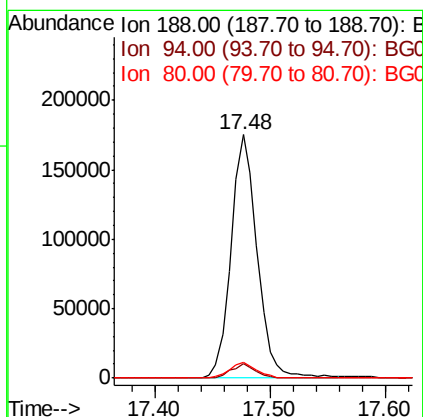
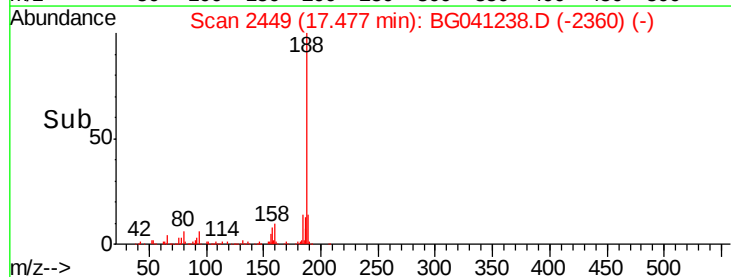
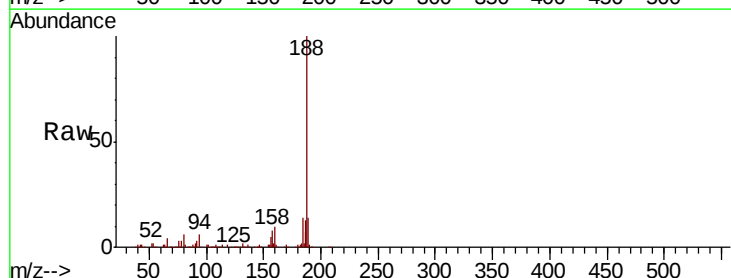
Instrument :
 BNA_G
 ClientSampleId :
 BUS-2

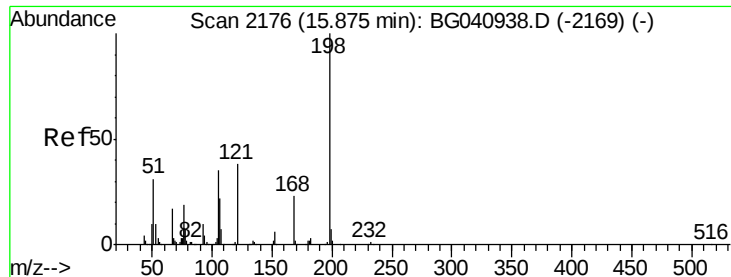
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	0.0	61.0	91.6#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.01 min
 Lab File: BG041238.D
 Acq: 14 Jun 2019 2:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	4.7	7.1
80	6.4	5.8	8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.741 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.36 min

Lab File: BG041238.D

Acq: 14 Jun 2019 2:30

Instrument :

BNA_G

ClientSampleId :

BUS-2

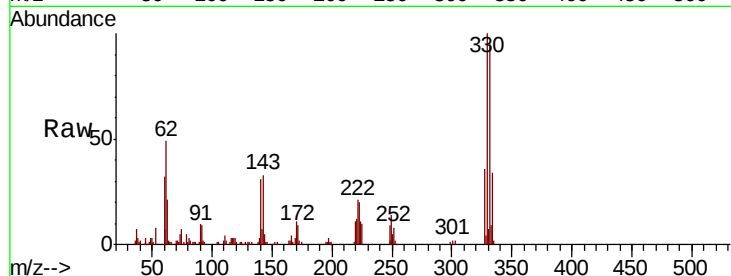
Tgt Ion:198 Resp: 272

Ion Ratio Lower Upper

198 100

51 48.0 21.6 61.6

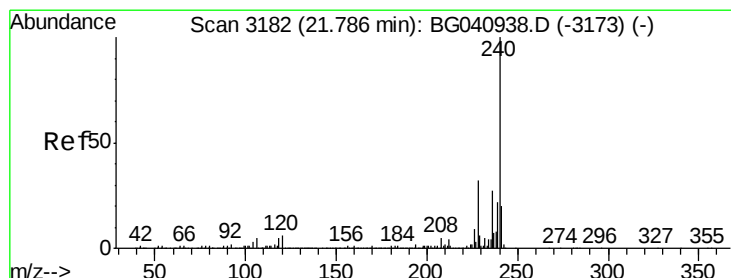
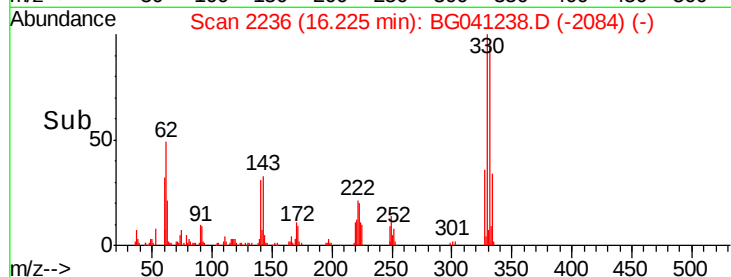
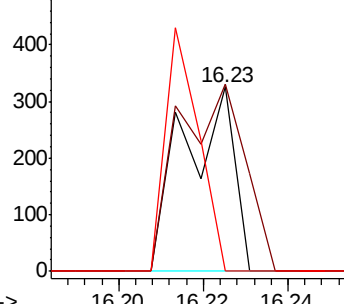
105 0.0 17.5 57.5#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG041238.D

Acq: 14 Jun 2019 2:30

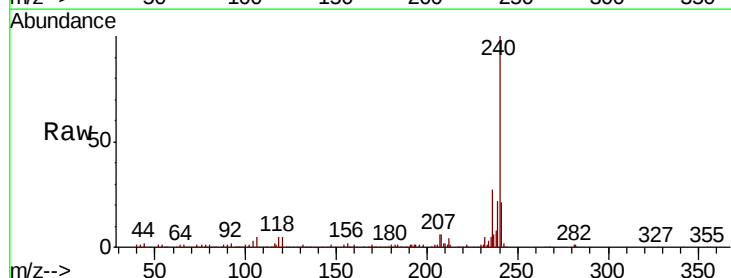
Tgt Ion:240 Resp: 255117

Ion Ratio Lower Upper

240 100

120 4.9 4.5 6.7

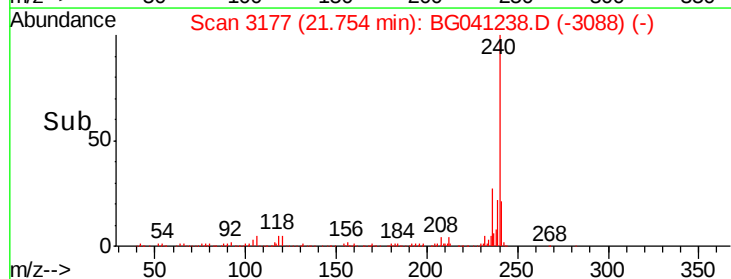
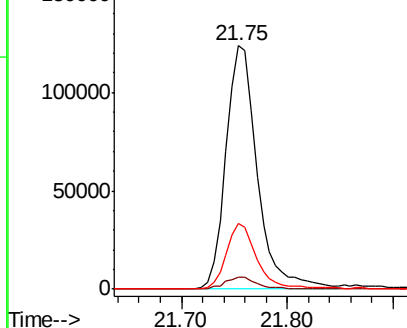
236 27.2 21.3 31.9

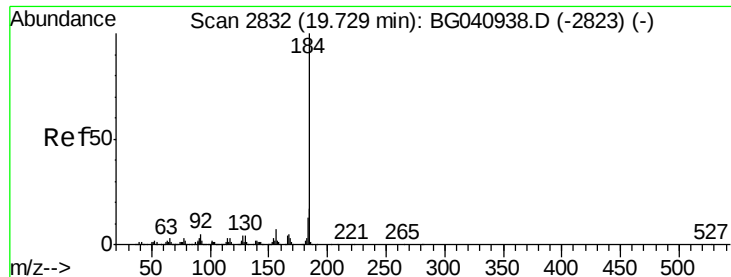


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.984 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.36 min

Lab File: BG041238.D

Acq: 14 Jun 2019 2:30

Instrument :

BNA_G

ClientSampleId :

BUS-2

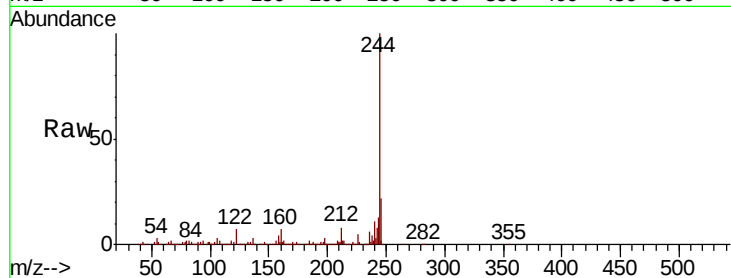
Tgt Ion:184 Resp: 18159

Ion Ratio Lower Upper

184 100

185 15.0 13.3 19.9

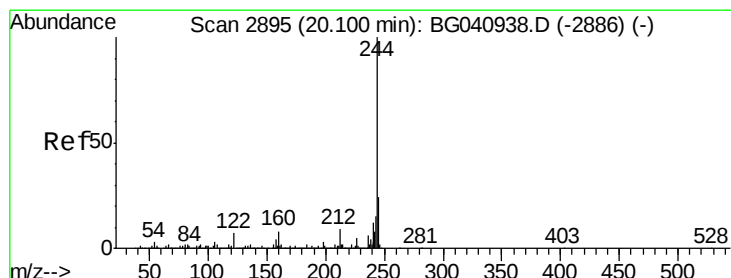
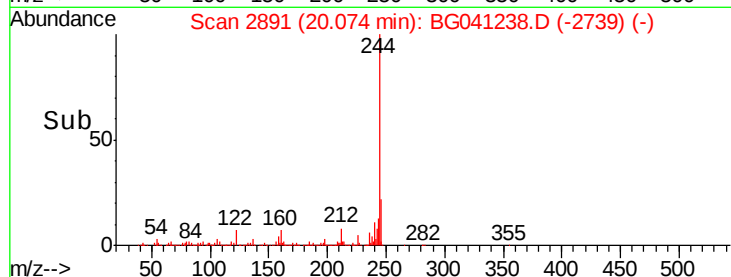
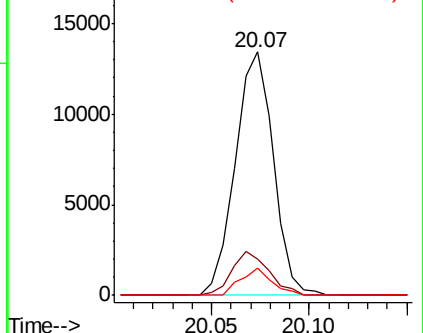
183 11.3 10.7 16.1



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: 88.174 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041238.D

Acq: 14 Jun 2019 2:30

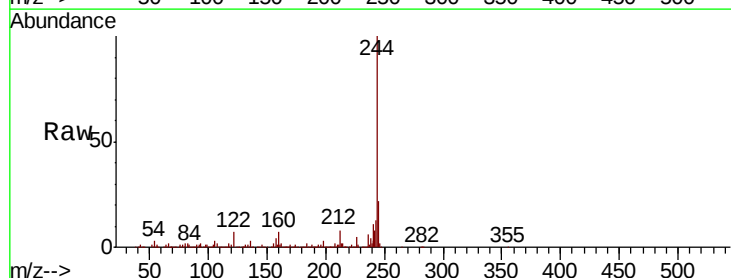
Tgt Ion:244 Resp: 1059899

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.4

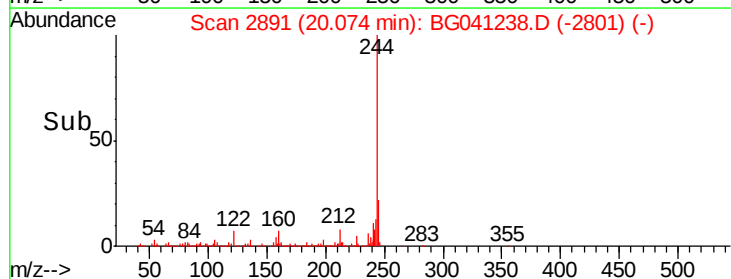
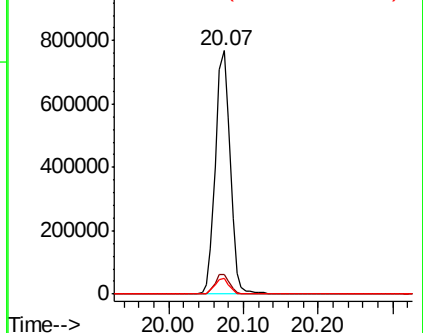
122 6.7 5.4 8.0

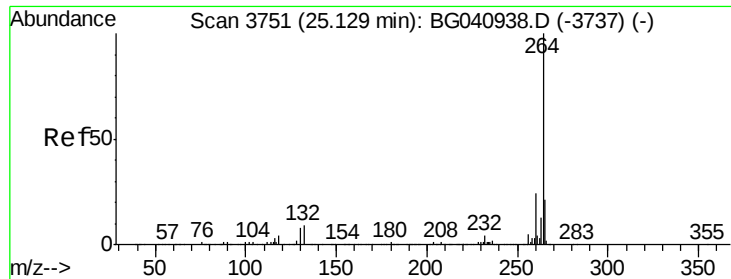


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3744
Delta R.T. 0.00 min
Lab File: BG041238.D
Acq: 14 Jun 2019 2:30

Instrument :
BNA_G
ClientSampleId :
BUS-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.7	19.0	28.4
265	20.6	17.0	25.4

