

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
 Data File : BG041377.D
 Acq On : 21 Jun 2019 14:03
 Operator : HP/JU
 Sample : K3382-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GRAVEL-1

Quant Time: Jun 21 15:10:06 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

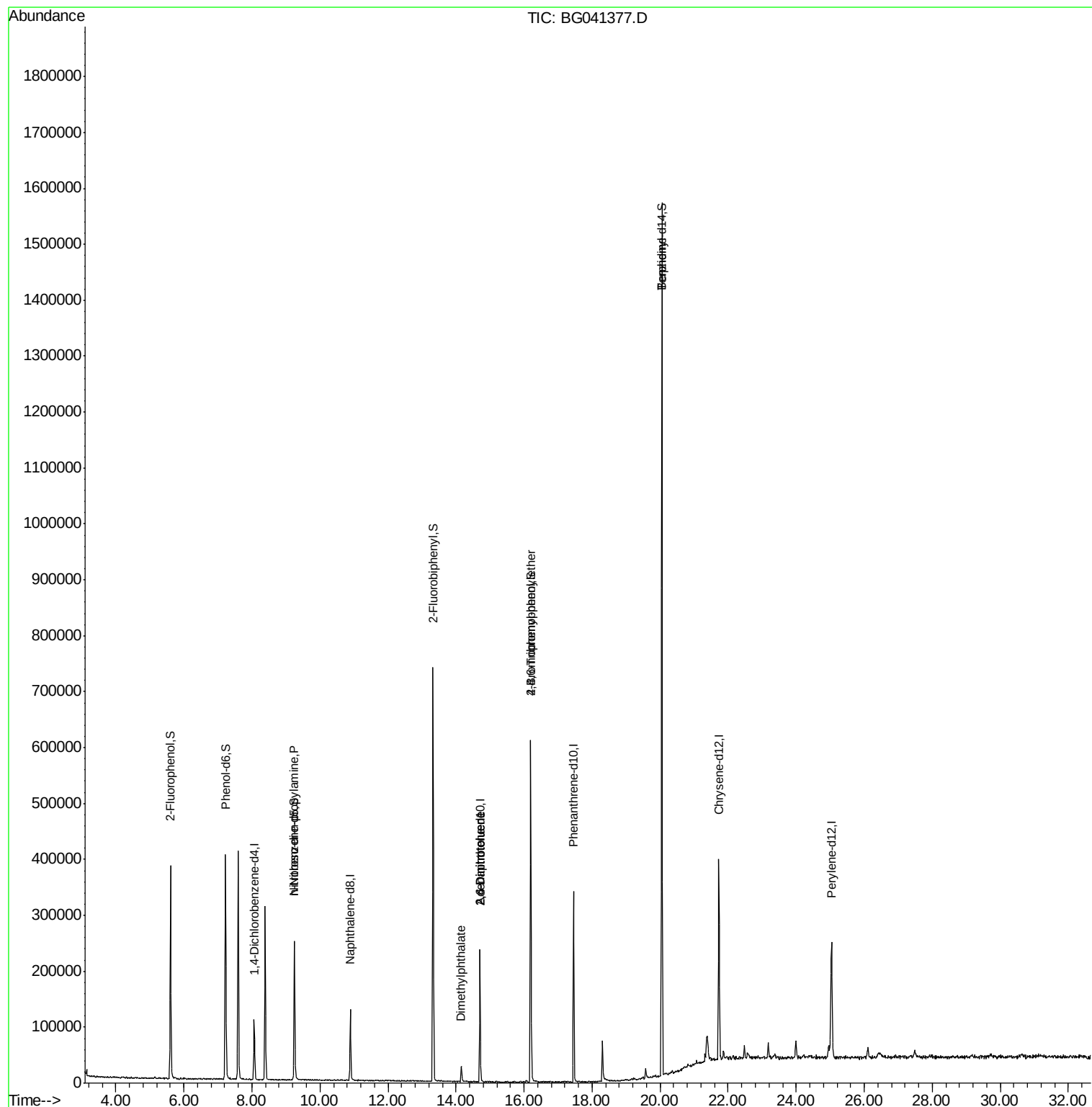
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	29303	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	109598	20.00	ng	-0.01
39) Acenaphthene-d10	14.71	164	82031	20.00	ng	-0.01
64) Phenanthrene-d10	17.46	188	222739	20.00	ng	0.00
76) Chrysene-d12	21.73	240	219552	20.00	ng	-0.01
87) Perylene-d12	25.04	264	233741	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	156384	98.06	ng	0.00
7) Phenol-d6	7.23	99	227345	98.35	ng	0.00
23) Nitrobenzene-d5	9.25	82	160800	61.70	ng	-0.01
42) 2,4,6-Tribromophenol	16.20	330	124068	98.52	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	383213	63.49	ng	-0.01
79) Terphenyl-d14	20.05	244	760329	68.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	21809	11.665	ng	# 82
50) Dimethylphthalate	14.16	163	24403	3.343	ng	# 97
51) 2,6-Dinitrotoluene	14.71	165	11264	7.319	ng	# 18
57) 2,4-Dinitrotoluene	14.71	165	11264	5.007	ng	# 21
67) 4-Bromophenyl-phenylether	16.20	248	8725	3.029	ng	# 1
77) Benzidine	20.05	184	11893	2.240	ng	# 93

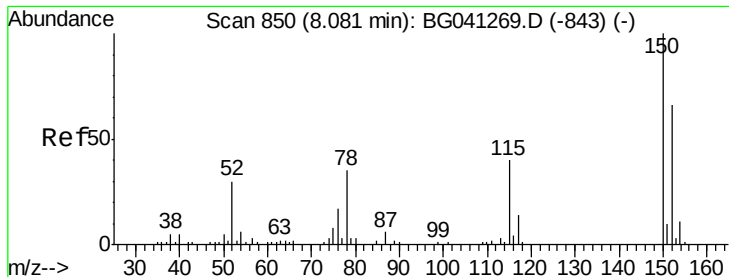
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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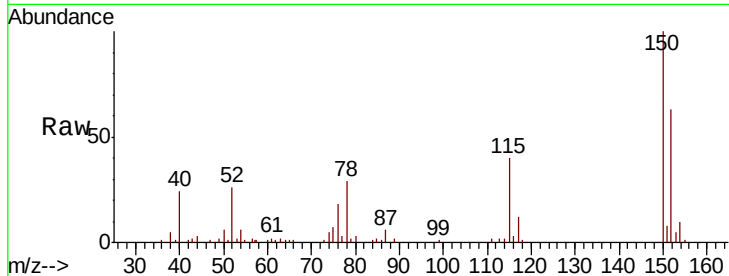


#1

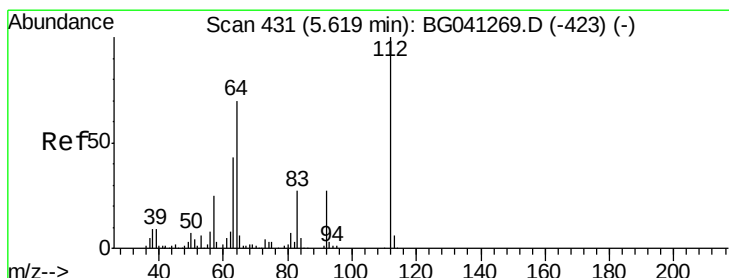
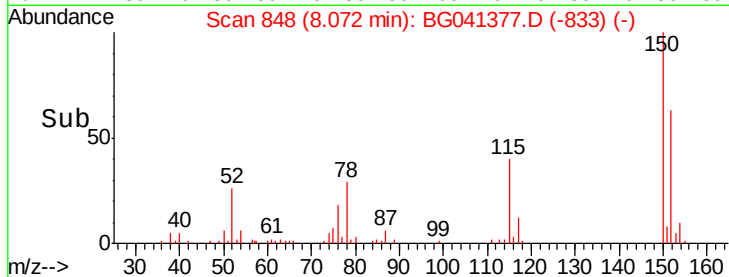
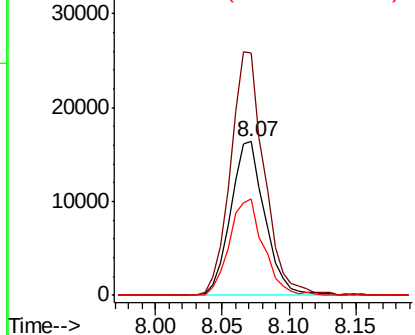
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG041377.D
Acq: 21 Jun 2019 14:03

Instrument :
BNA_G
ClientSampleId :
GRAVEL-1

Tot Ion:152 Resp: 29303
Ion Ratio Lower Upper
152 100
150 158.3 120.6 181.0
115 62.9 47.9 71.9



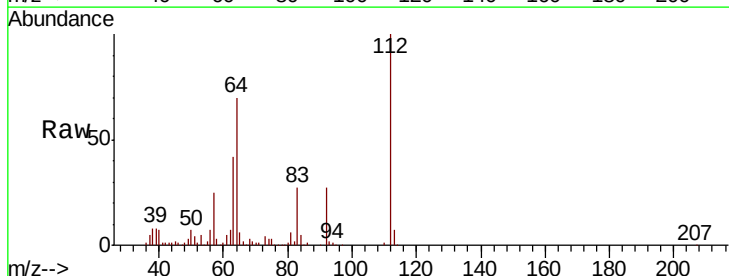
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



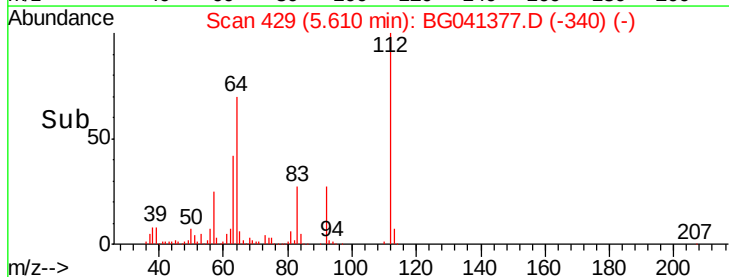
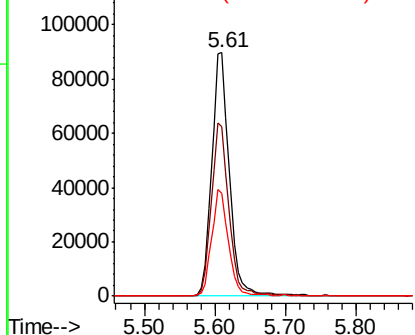
#5

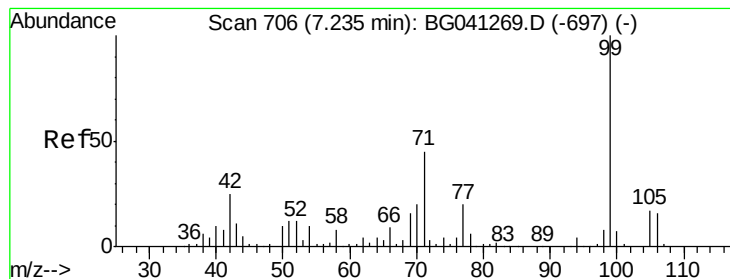
2-Fluorophenol
Concen: 98.059 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.01 min
Lab File: BG041377.D
Acq: 21 Jun 2019 14:03

Tgt Ion:112 Resp: 156384
Ion Ratio Lower Upper
112 100
64 69.6 55.9 83.9
63 42.3 34.6 51.8



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: 98.347 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG041377.D

Acq: 21 Jun 2019 14:03

Instrument :

BNA_G

ClientSampleId :

GRAVEL-1

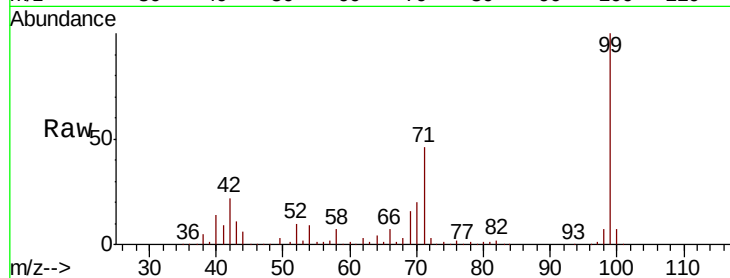
Tot Ion: 99 Resp: 227345

Ion Ratio Lower Upper

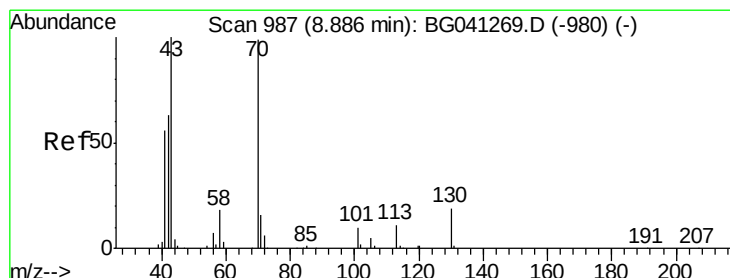
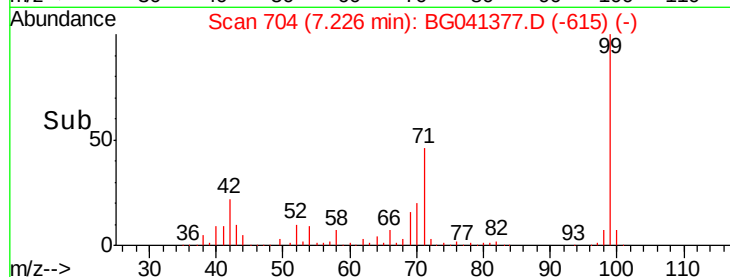
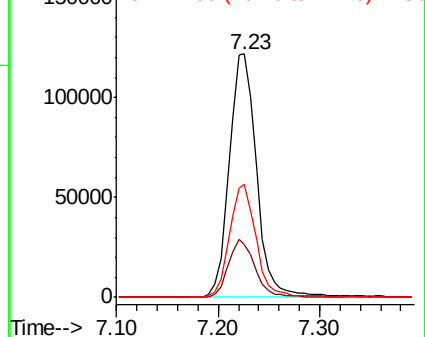
99 100

42 21.7 19.9 29.9

71 46.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.665 ng

RT: 9.25 min Scan# 1048

Delta R.T. 0.36 min

Lab File: BG041377.D

Acq: 21 Jun 2019 14:03

Tgt Ion: 70 Resp: 21809

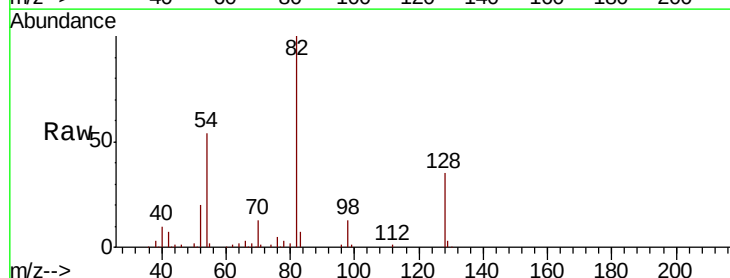
Ion Ratio Lower Upper

70 100

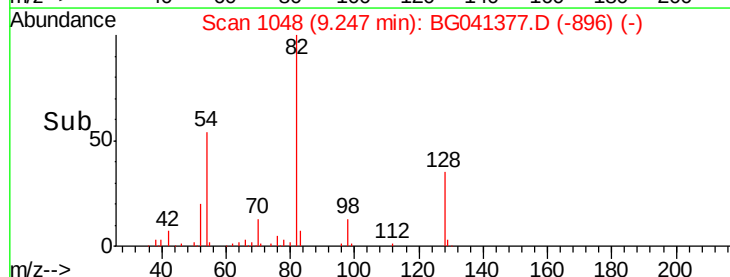
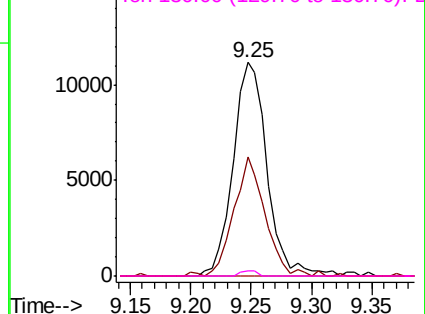
42 55.5 51.4 77.2

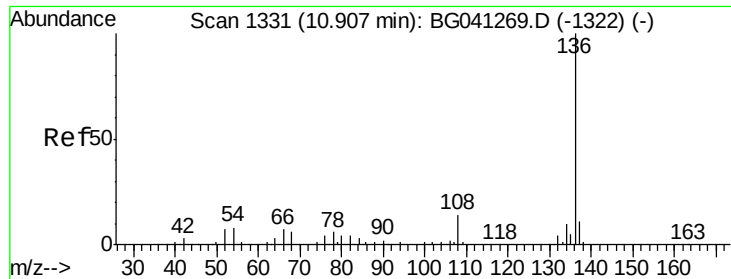
101 0.0 8.2 12.2#

130 2.7 15.2 22.8#



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

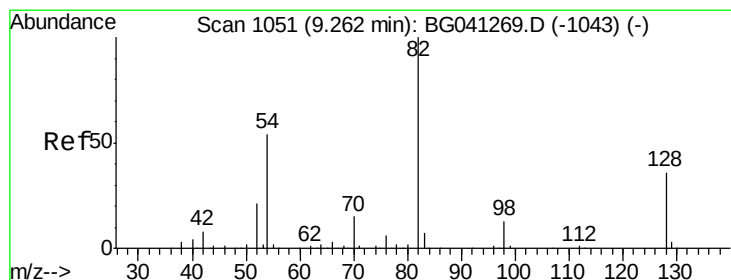
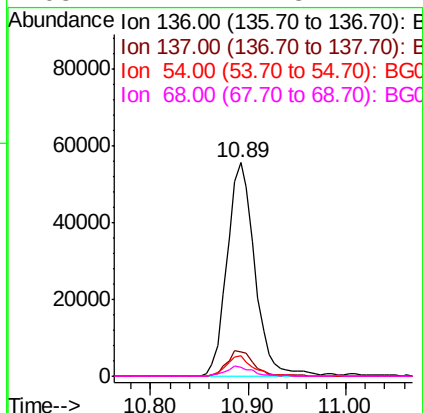
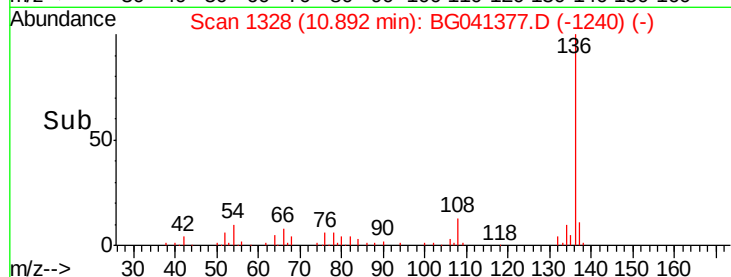
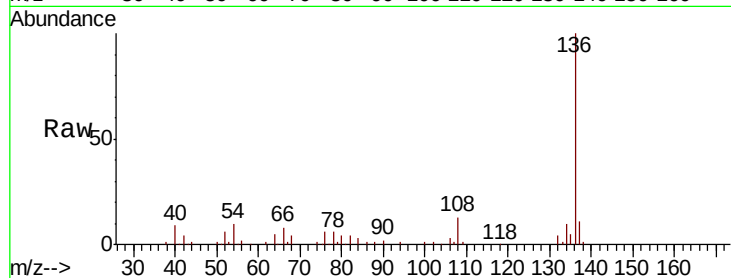




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BG041377.D
Acq: 21 Jun 2019 14:03

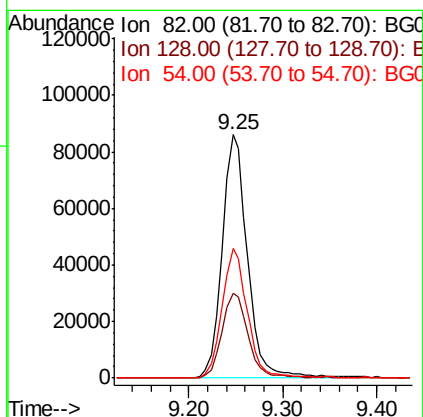
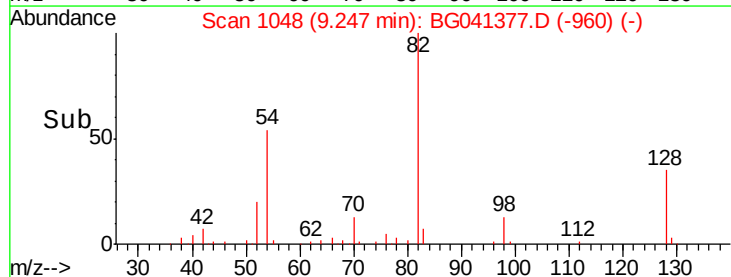
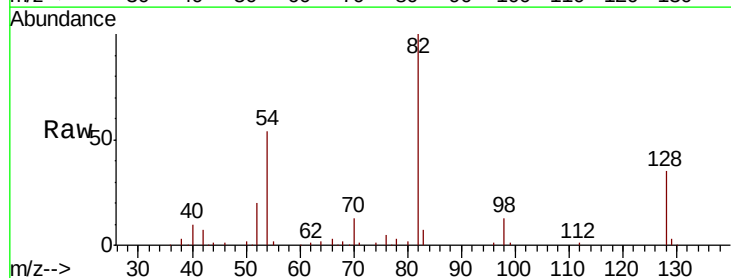
Instrument :
BNA_G
ClientSampleId :
GRAVEL-1

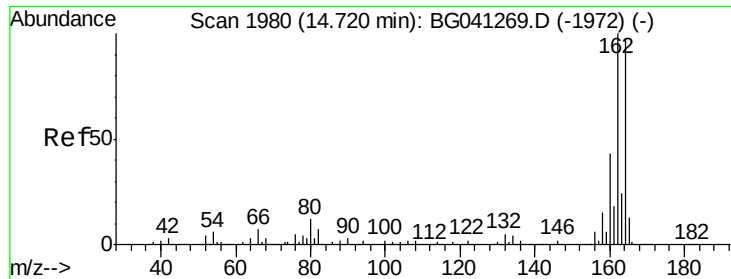
Tot Ion:136	Resp:	109598
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.8 13.2
54	9.6	6.4 9.6#
68	4.4	4.8 7.2#



#23
Nitrobenzene-d5
Concen: 61.704 ng
RT: 9.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BG041377.D
Acq: 21 Jun 2019 14:03

Tgt Ion: 82	Resp:	160800
Ion	Ratio	Lower Upper
82	100	
128	35.1	29.2 43.8
54	53.5	43.4 65.0

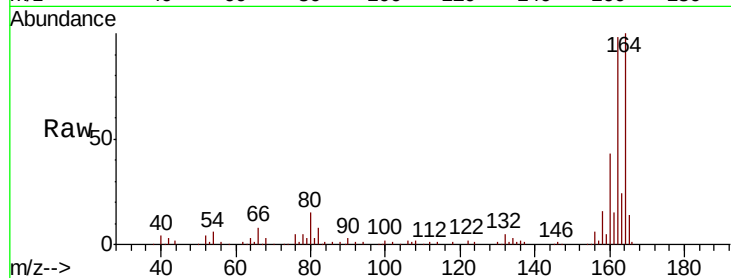




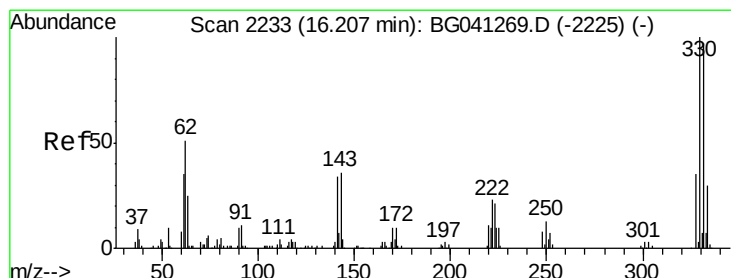
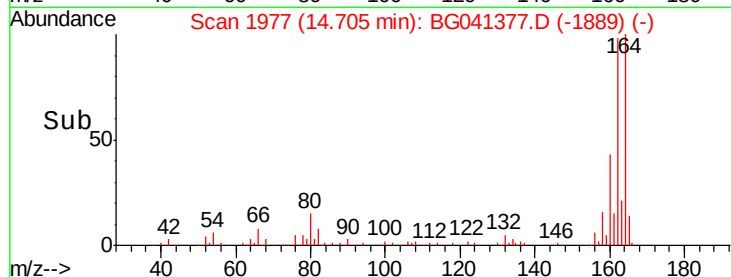
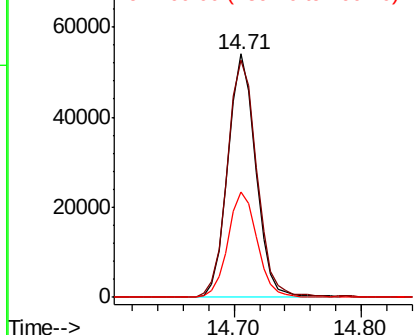
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BG041377.D
Acq: 21 Jun 2019 14:03

Instrument :
BNA_G
ClientSampleId :
GRAVEL-1

Tot Ion:164 Resp: 82031
Ion Ratio Lower Upper
164 100
162 97.6 82.8 124.2
160 43.3 35.8 53.8

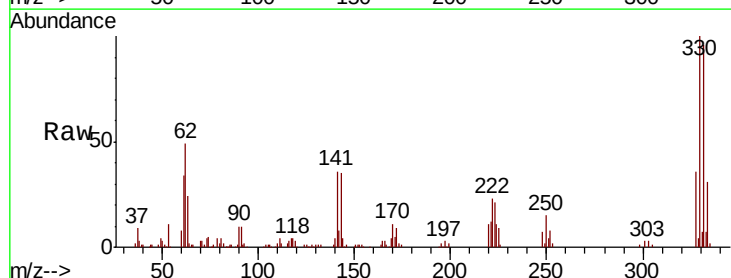


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

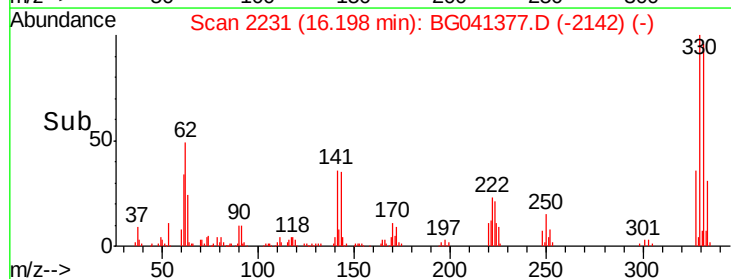
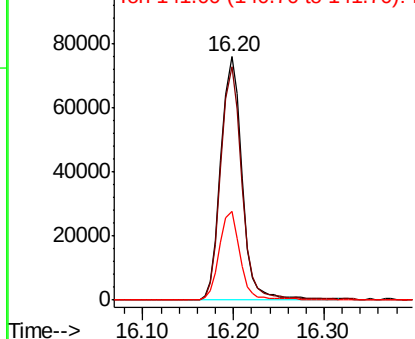


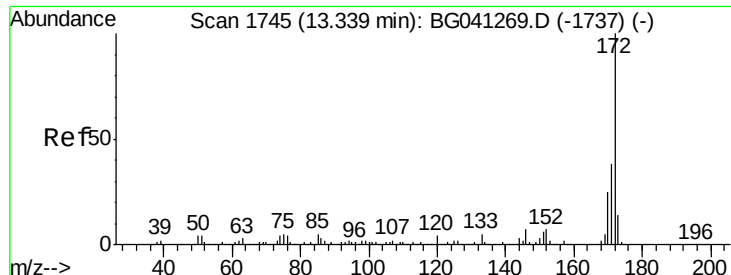
#42
2,4,6-Tribromophenol
Concen: 98.517 ng
RT: 16.20 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BG041377.D
Acq: 21 Jun 2019 14:03

Tgt Ion:330 Resp: 124068
Ion Ratio Lower Upper
330 100
332 95.2 75.5 113.3
141 35.1 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

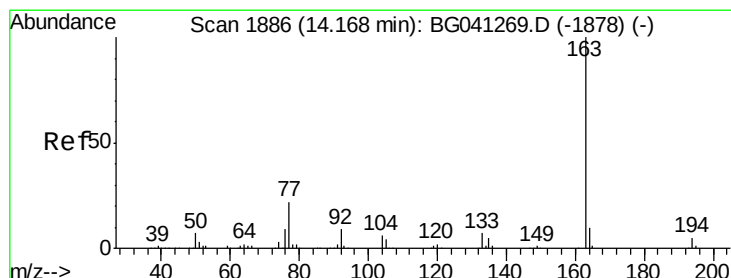
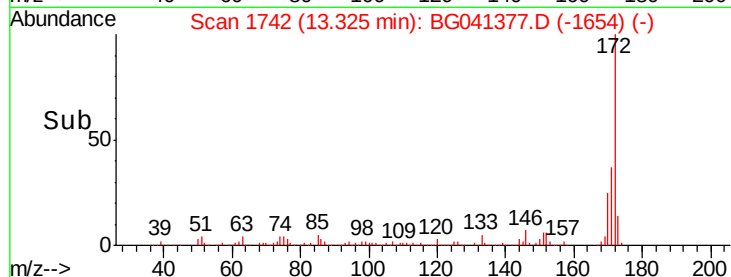
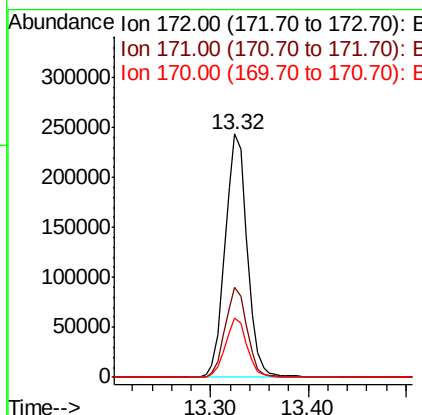
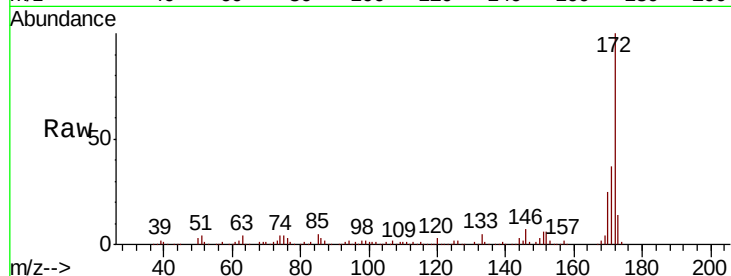




#45
 2-Fluorobiphenyl
 Concen: 63.494 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: BG041377.D
 Acq: 21 Jun 2019 14:03

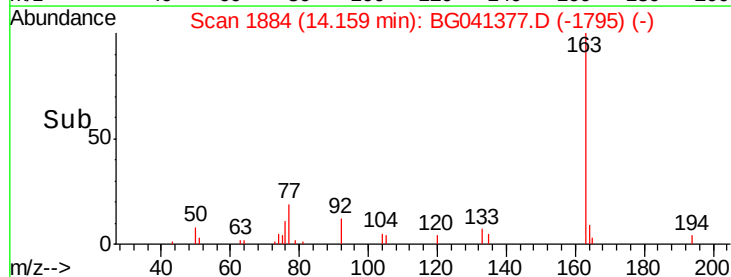
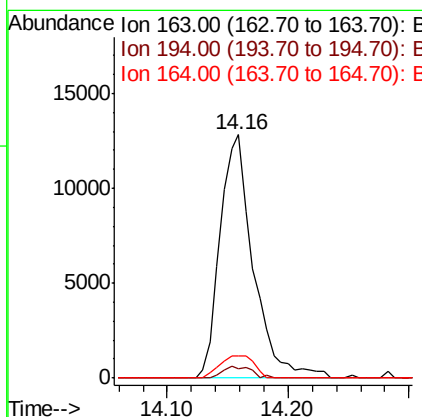
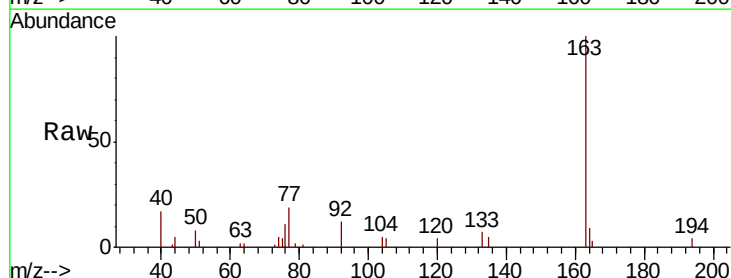
Instrument :
 BNA_G
 ClientSampleId :
 GRAVEL-1

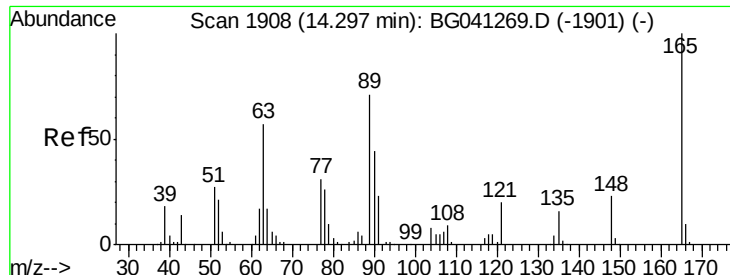
Tot Ion:172 Resp: 383213
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 24.6 19.8 29.6



#50
 Dimethylphthalate
 Concen: 3.343 ng
 RT: 14.16 min Scan# 1884
 Delta R.T. -0.01 min
 Lab File: BG041377.D
 Acq: 21 Jun 2019 14:03

Tgt Ion:163 Resp: 24403
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.9 5.9#
 164 9.2 8.3 12.5

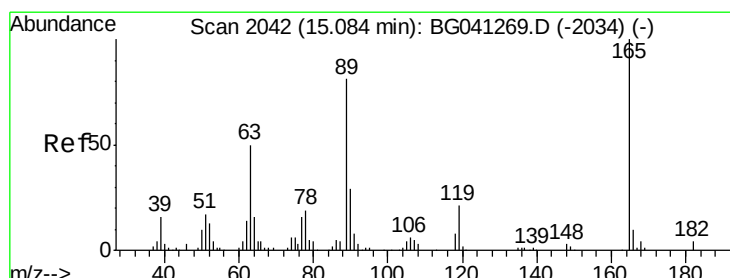
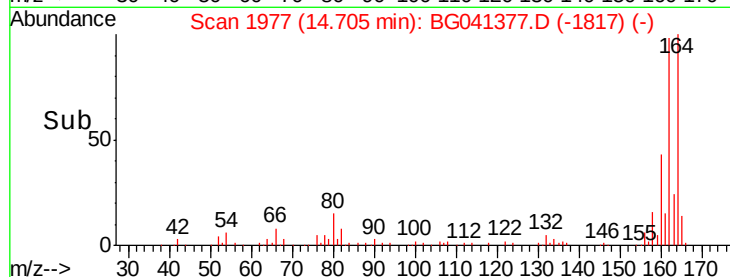
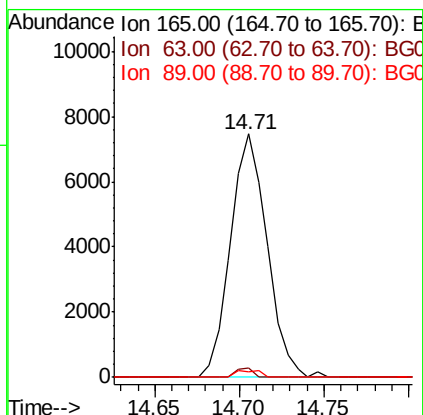
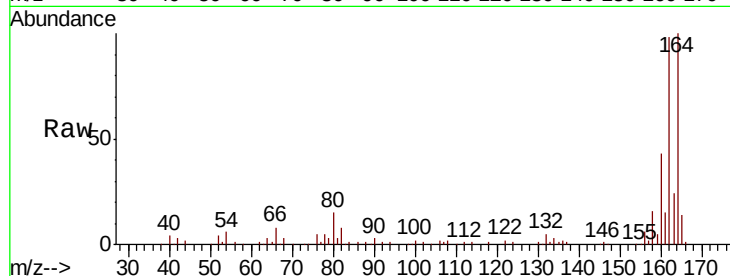




#51
 2,6-Dinitrotoluene
 Concen: 7.319 ng
 RT: 14.71 min Scan# 1977
 Delta R.T. 0.41 min
 Lab File: BG041377.D
 Acq: 21 Jun 2019 14:03

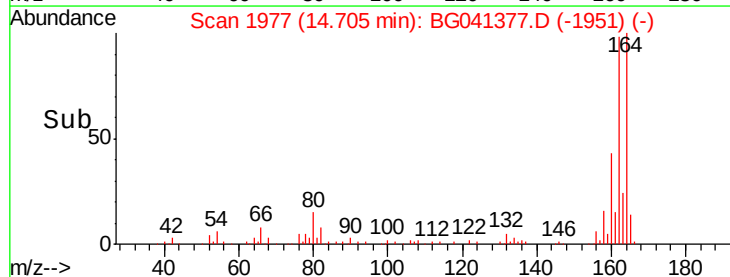
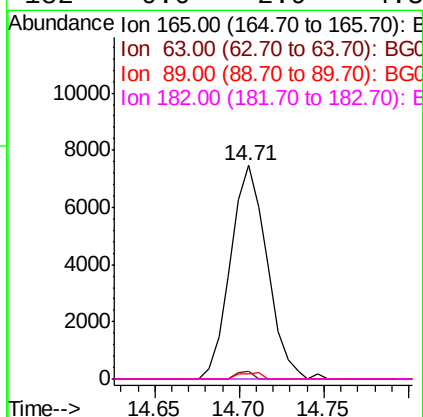
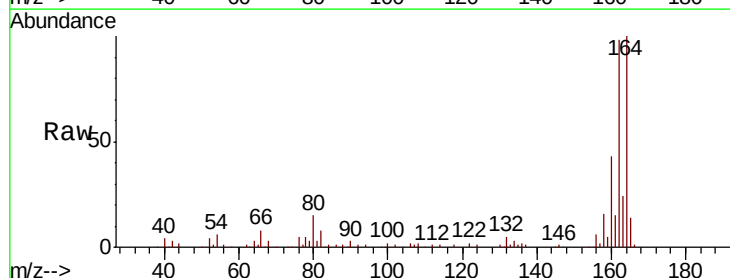
Instrument :
 BNA_G
 ClientSampleId :
 GRAVEL-1

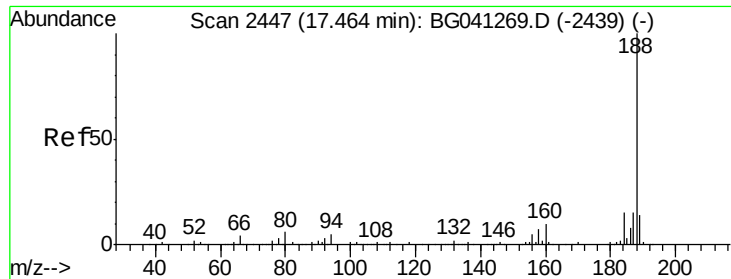
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.6	55.4	83.0#
89	2.1	56.5	84.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.007 ng
 RT: 14.71 min Scan# 1977
 Delta R.T. -0.38 min
 Lab File: BG041377.D
 Acq: 21 Jun 2019 14:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.6	40.0	60.0#
89	2.1	64.6	96.8#
182	0.0	2.9	4.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG041377.D

Acq: 21 Jun 2019 14:03

Instrument :

BNA_G

ClientSampleId :

GRAVEL-1

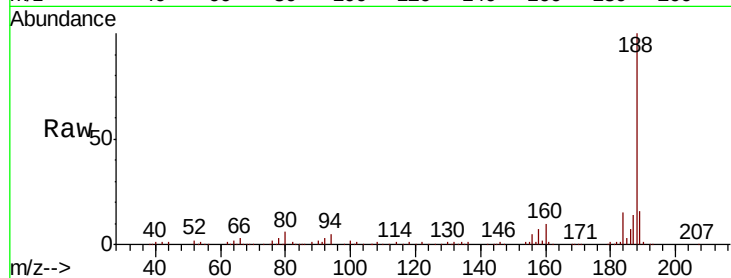
Tot Ion:188 Resp: 222739

Ion Ratio Lower Upper

188 100

94 4.7 3.6 5.4

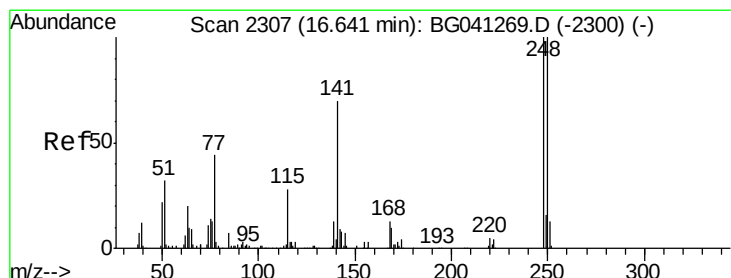
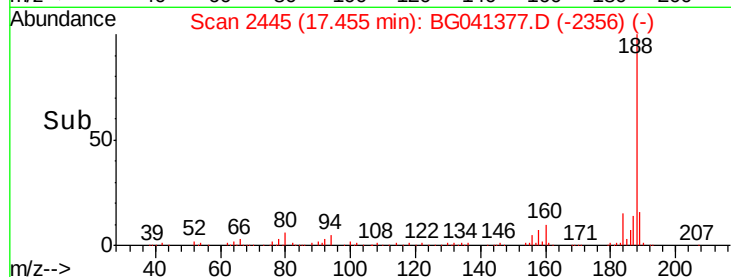
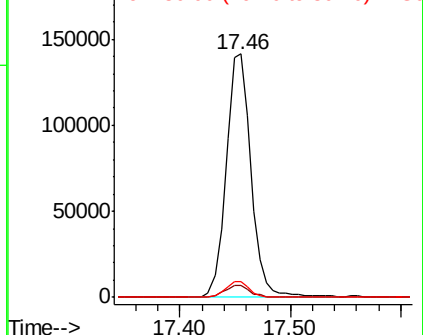
80 6.3 4.8 7.2



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: 3.029 ng

RT: 16.20 min Scan# 2231

Delta R.T. -0.44 min

Lab File: BG041377.D

Acq: 21 Jun 2019 14:03

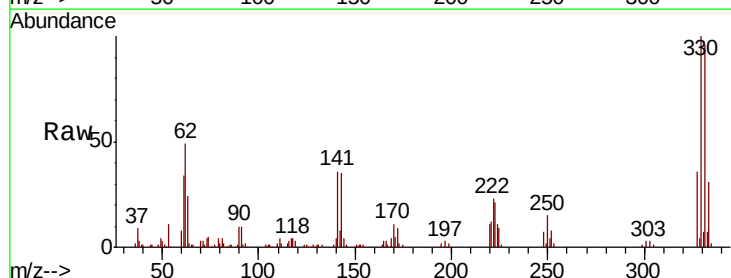
Tgt Ion:248 Resp: 8725

Ion Ratio Lower Upper

248 100

250 204.3 79.8 119.8#

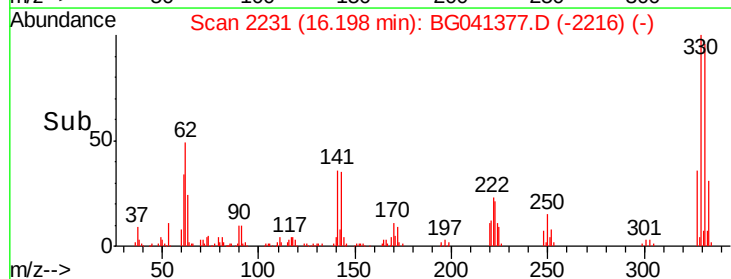
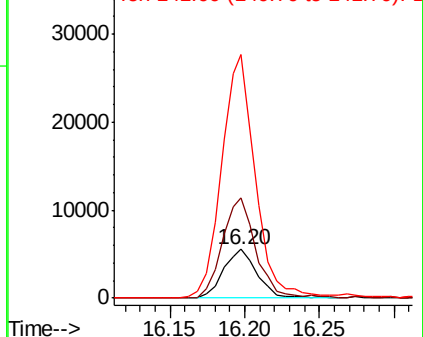
141 497.4 55.8 83.6#

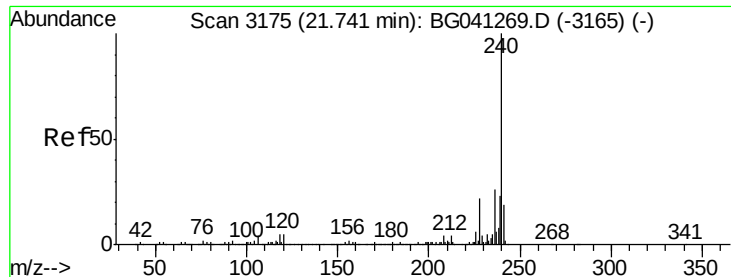


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.73 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BG041377.D

Acq: 21 Jun 2019 14:03

Instrument :

BNA_G

ClientSampleId :

GRAVEL-1

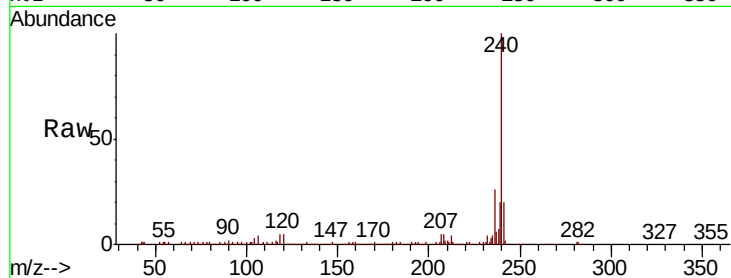
Tot Ion:240 Resp: 219552

Ion Ratio Lower Upper

240 100

120 4.8 3.7 5.5

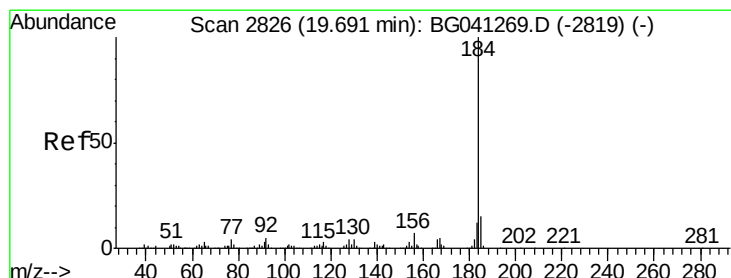
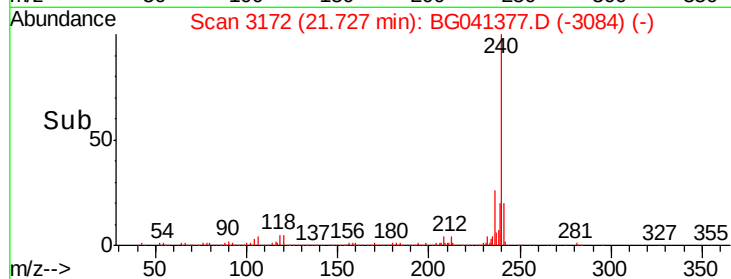
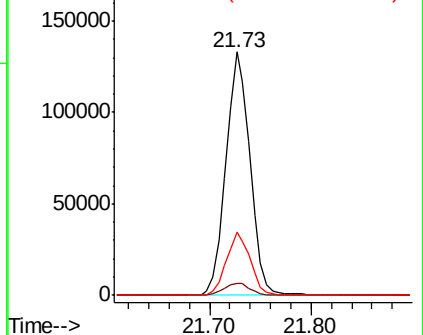
236 25.7 21.1 31.7



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: 2.240 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.36 min

Lab File: BG041377.D

Acq: 21 Jun 2019 14:03

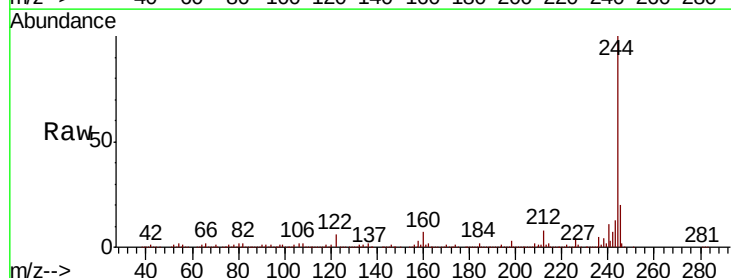
Tgt Ion:184 Resp: 11893

Ion Ratio Lower Upper

184 100

185 13.9 12.2 18.2

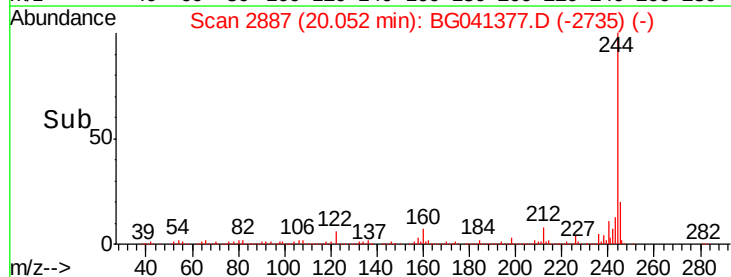
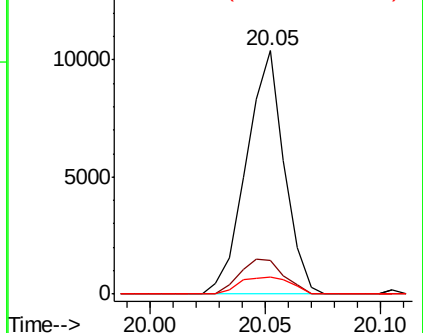
183 7.2 9.6 14.4#

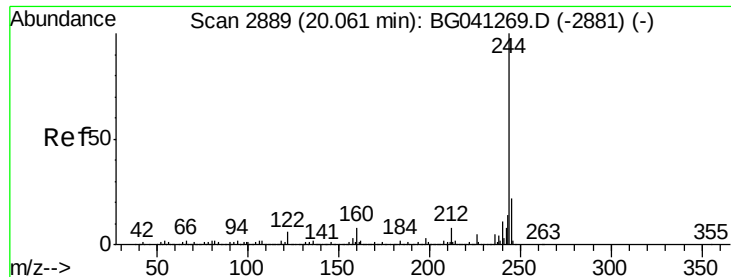


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 68.631 ng

RT: 20.05 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BG041377.D

Acq: 21 Jun 2019 14:03

Instrument :

BNA_G

ClientSampleId :

GRAVEL-1

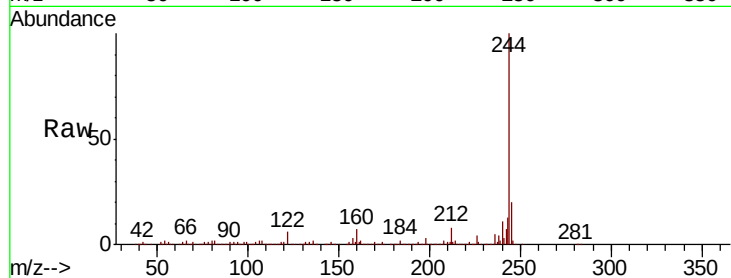
Tot Ion:244 Resp: 760329

Ion Ratio Lower Upper

244 100

212 7.6 6.6 10.0

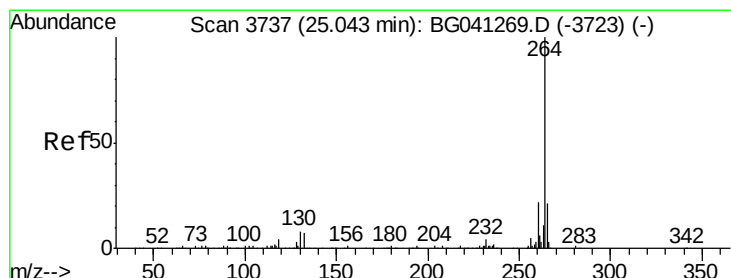
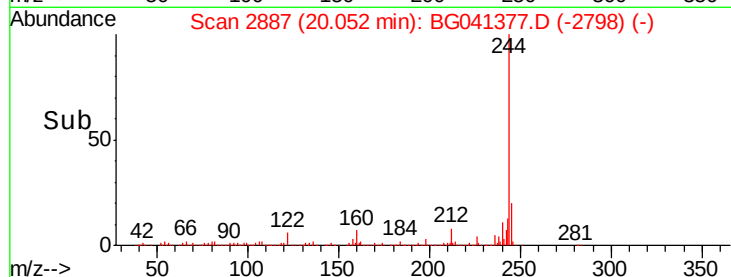
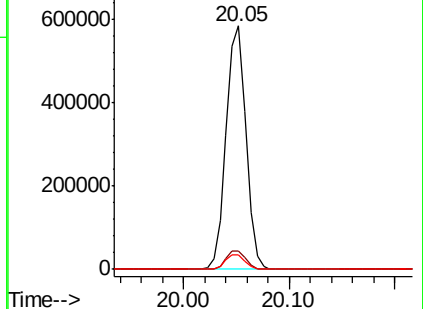
122 5.8 5.0 7.4



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: 25.04 min Scan# 3736

Delta R.T. -0.00 min

Lab File: BG041377.D

Acq: 21 Jun 2019 14:03

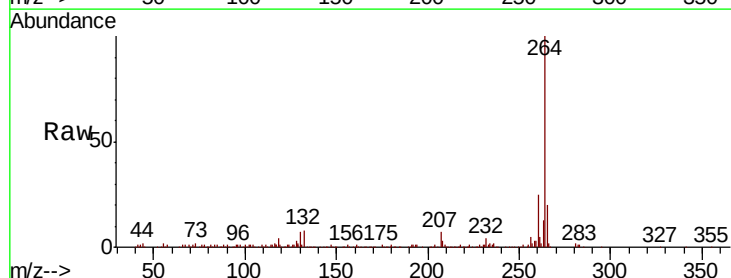
Tgt Ion:264 Resp: 233741

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.2

265 20.1 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

