

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
 Data File : BG041378.D
 Acq On : 21 Jun 2019 14:41
 Operator : HP/JU
 Sample : K3382-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GRAVEL-2

Quant Time: Jun 21 16:04:32 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

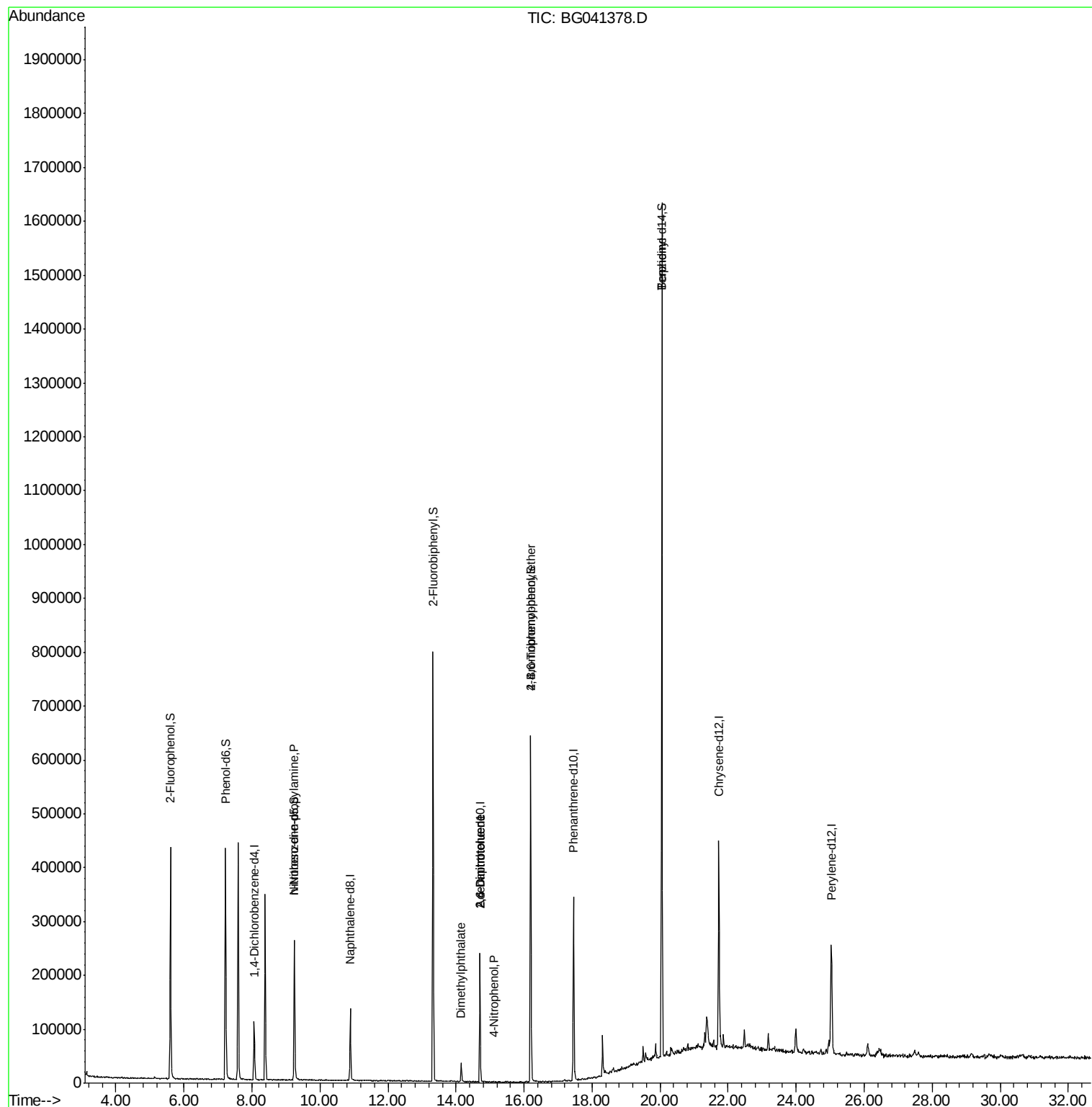
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	29403	20.00	ng	-0.01
21) Naphthalene-d8	10.89	136	112775	20.00	ng	-0.01
39) Acenaphthene-d10	14.71	164	84540	20.00	ng	-0.01
64) Phenanthrene-d10	17.46	188	226890	20.00	ng	0.00
76) Chrysene-d12	21.73	240	223474	20.00	ng	-0.01
87) Perylene-d12	25.04	264	236456	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	165542	103.45	ng	-0.01
7) Phenol-d6	7.23	99	236212	101.83	ng	0.00
23) Nitrobenzene-d5	9.25	82	166141	61.96	ng	-0.01
42) 2,4,6-Tribromophenol	16.20	330	133388	102.77	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	408531	65.68	ng	-0.01
79) Terphenyl-d14	20.05	244	777669	68.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	25120	13.390	ng	Qvalue # 70
50) Dimethylphthalate	14.15	163	27696	3.682	ng	# 98
51) 2,6-Dinitrotoluene	14.71	165	10886	6.864	ng	# 16
56) 4-Nitrophenol	15.12	139	53	3.258	ng	# 1
57) 2,4-Dinitrotoluene	14.71	165	10886	4.695	ng	# 19
67) 4-Bromophenyl-phenylether	16.20	248	9351	3.187	ng	# 1
77) Benzidine	20.05	184	12935	2.393	ng	# 89

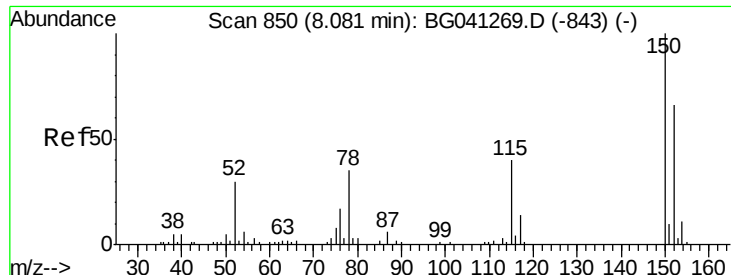
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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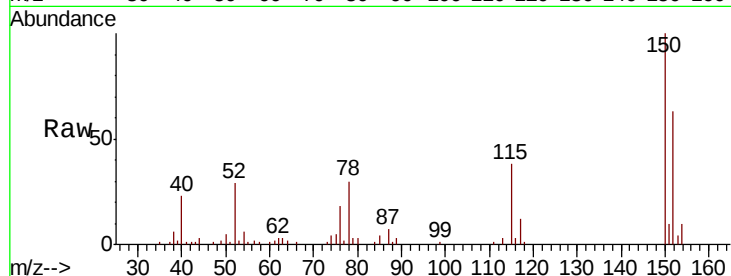




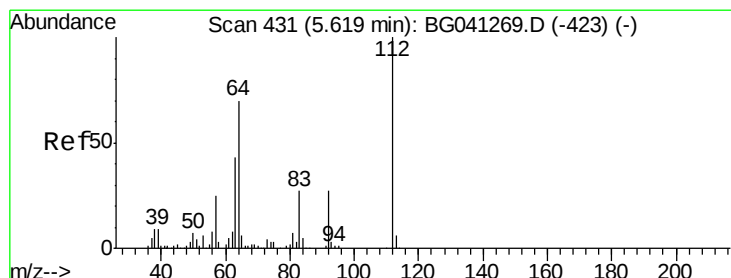
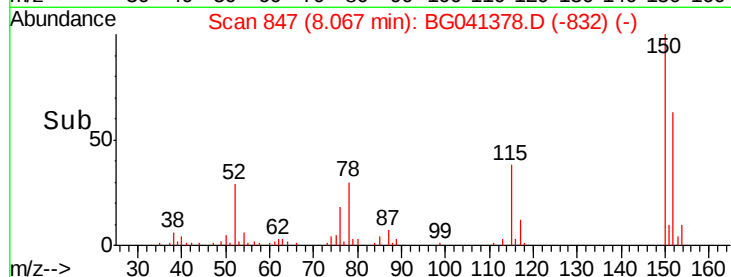
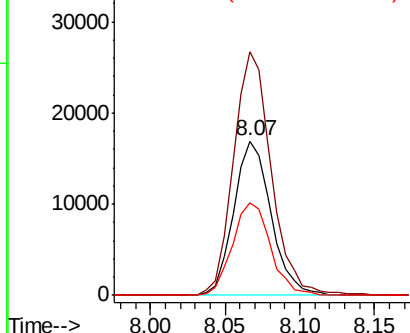
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BG041378.D
 Acq: 21 Jun 2019 14:41

Instrument :
 BNA_G
 ClientSampleId :
 GRAVEL-2

Tot Ion:152 Resp: 29403
 Ion Ratio Lower Upper
 152 100
 150 157.8 120.6 181.0
 115 60.4 47.9 71.9

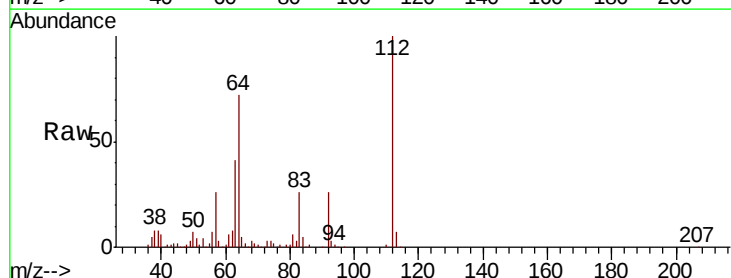


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

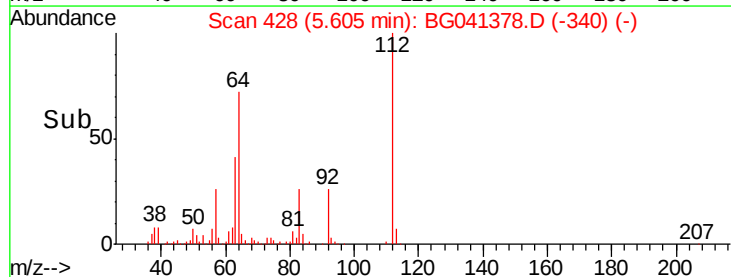
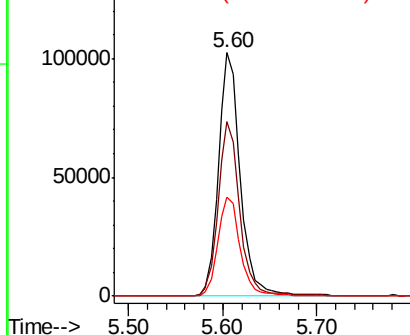


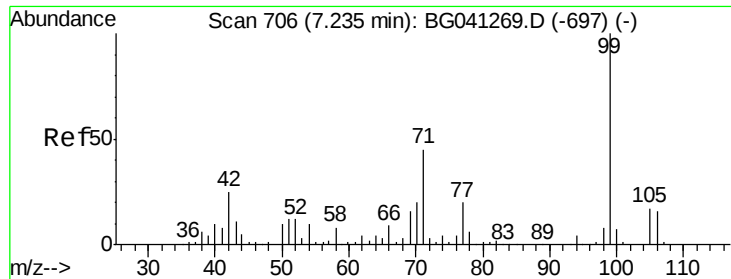
#5
 2-Fluorophenol
 Concen: 103.448 ng
 RT: 5.60 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: BG041378.D
 Acq: 21 Jun 2019 14:41

Tgt Ion:112 Resp: 165542
 Ion Ratio Lower Upper
 112 100
 64 71.9 55.9 83.9
 63 40.9 34.6 51.8



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: 101.835 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG041378.D

Acq: 21 Jun 2019 14:41

Instrument :

BNA_G

ClientSampleId :

GRAVEL-2

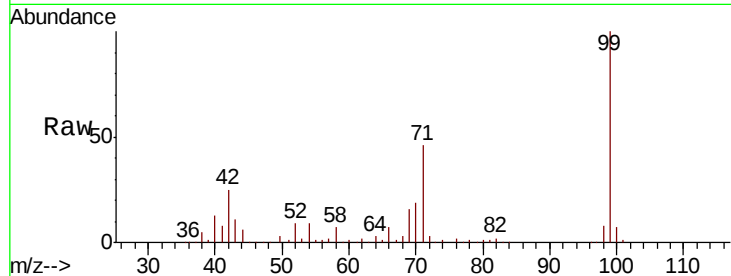
Tot Ion: 99 Resp: 236212

Ion Ratio Lower Upper

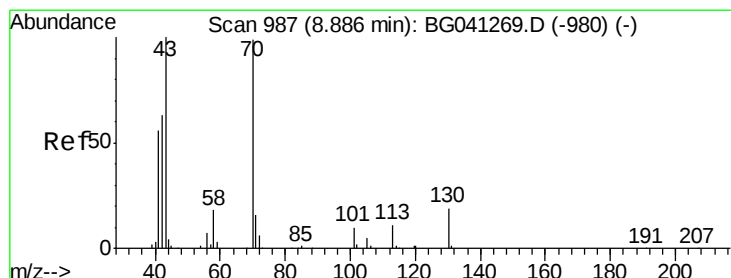
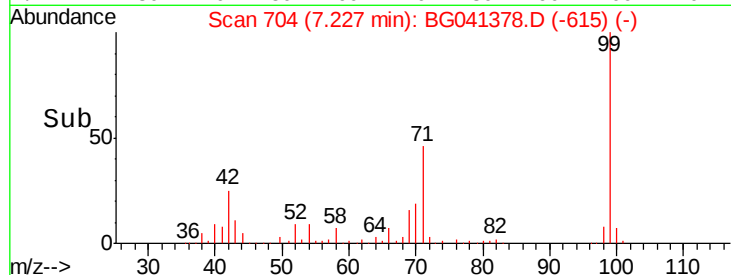
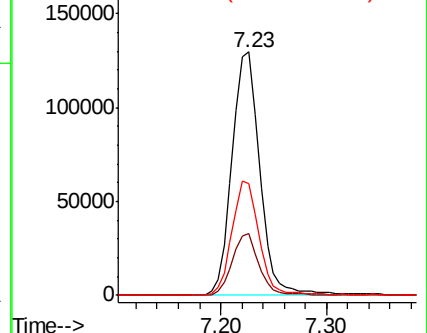
99 100

42 25.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.390 ng

RT: 9.25 min Scan# 1049

Delta R.T. 0.37 min

Lab File: BG041378.D

Acq: 21 Jun 2019 14:41

Tgt Ion: 70 Resp: 25120

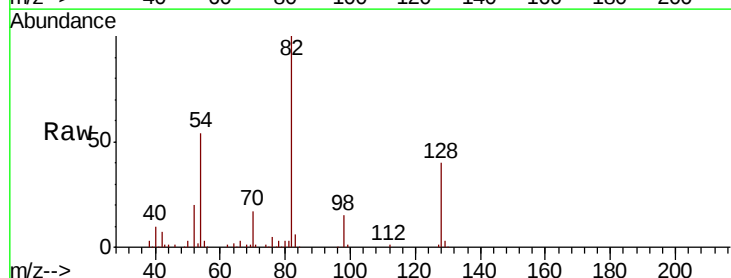
Ion Ratio Lower Upper

70 100

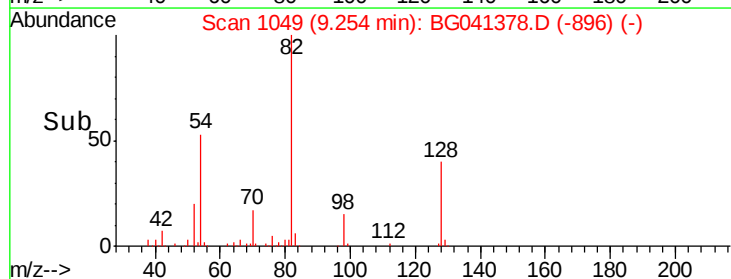
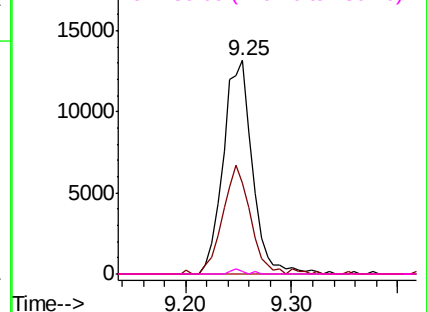
42 42.7 51.4 77.2#

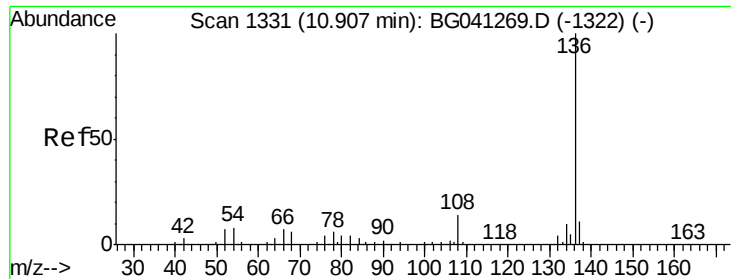
101 0.0 8.2 12.2#

130 1.3 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

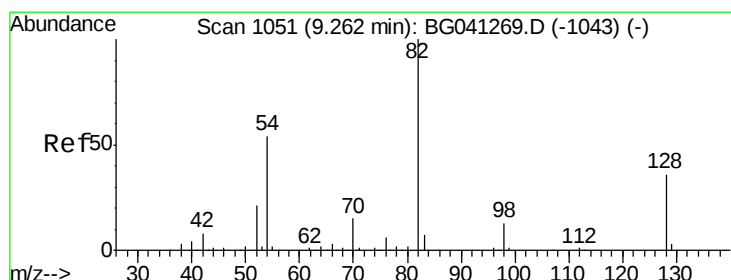
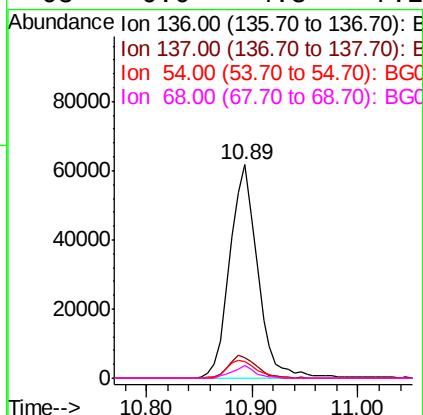
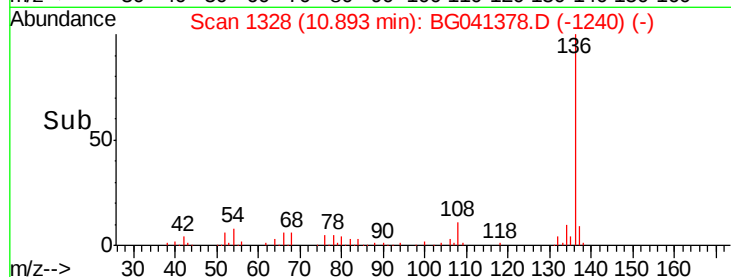
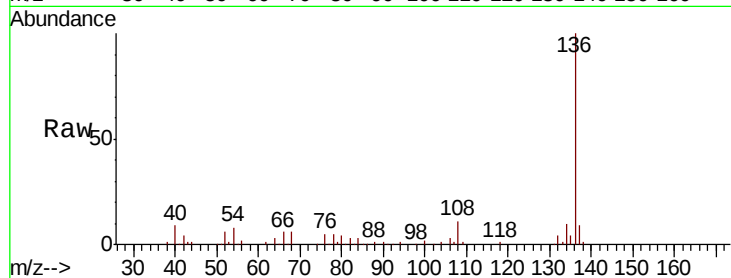




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BG041378.D
Acq: 21 Jun 2019 14:41

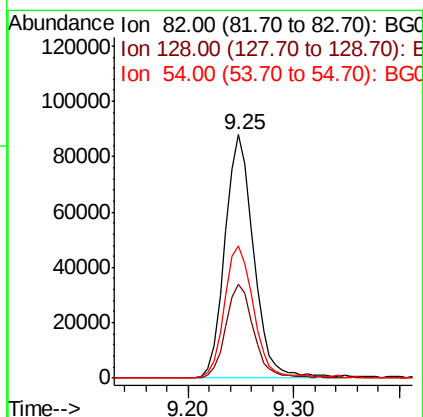
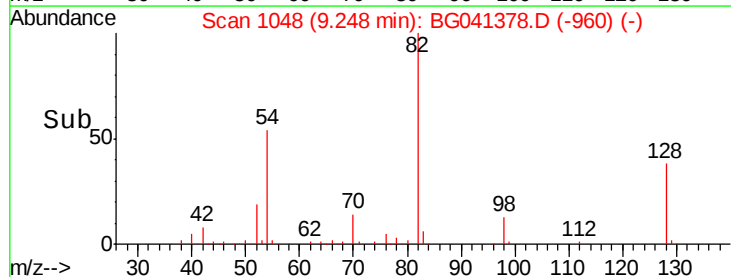
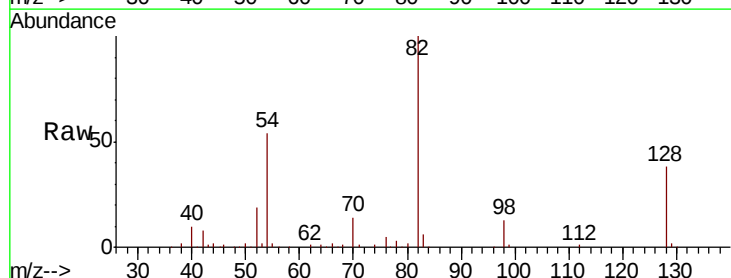
Instrument :
BNA_G
ClientSampleId :
GRAVEL-2

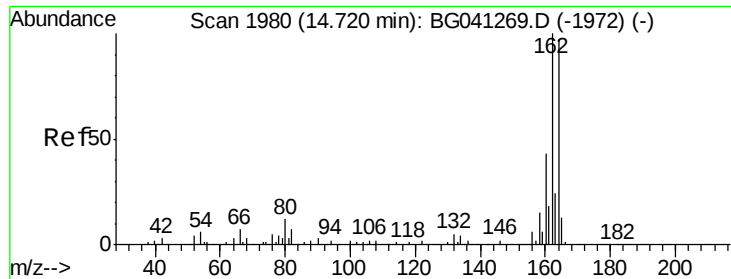
Tot Ion:136	Resp:	112775
Ion Ratio	Lower	Upper
136	100	
137	9.4	8.8 13.2
54	8.0	6.4 9.6
68	6.0	4.8 7.2



#23
Nitrobenzene-d5
Concen: 61.958 ng
RT: 9.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BG041378.D
Acq: 21 Jun 2019 14:41

Tgt Ion: 82	Resp:	166141
Ion Ratio	Lower	Upper
82	100	
128	38.3	29.2 43.8
54	54.4	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: BG041378.D

Acq: 21 Jun 2019 14:41

Instrument :

BNA_G

ClientSampleId :

GRAVEL-2

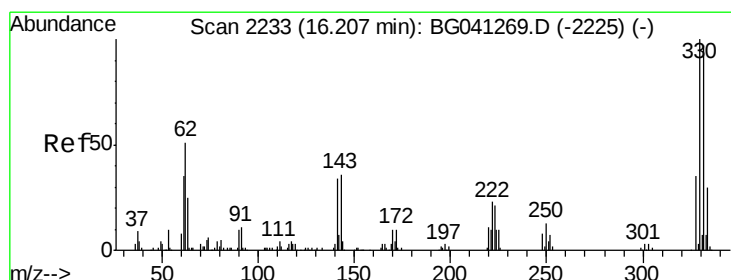
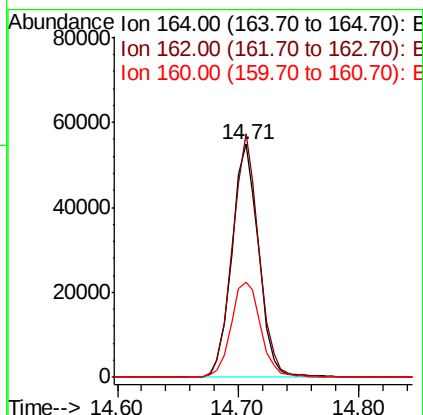
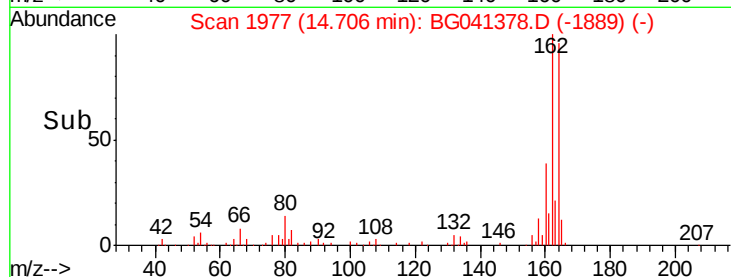
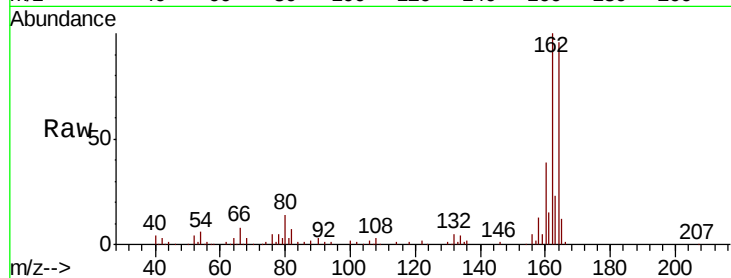
Tot Ion:164 Resp: 84540

Ion Ratio Lower Upper

164 100

162 104.5 82.8 124.2

160 41.0 35.8 53.8



#42

2,4,6-Tribromophenol

Concen: 102.774 ng

RT: 16.20 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BG041378.D

Acq: 21 Jun 2019 14:41

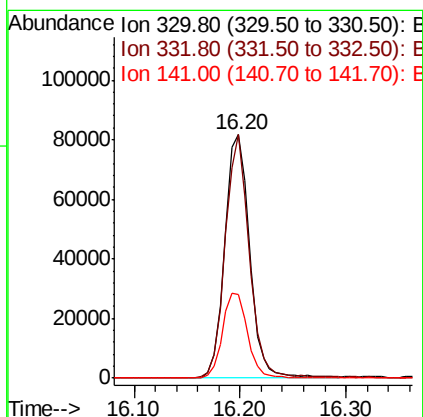
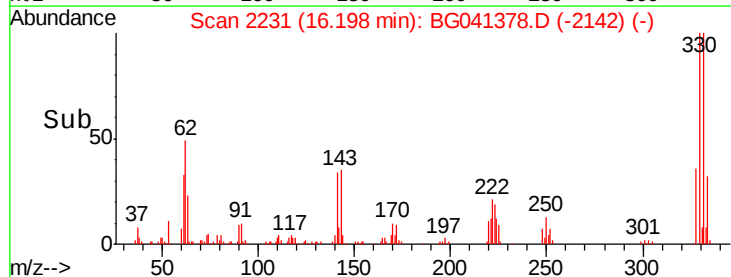
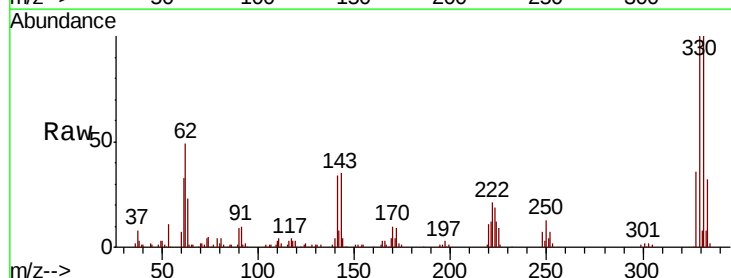
Tgt Ion:330 Resp: 133388

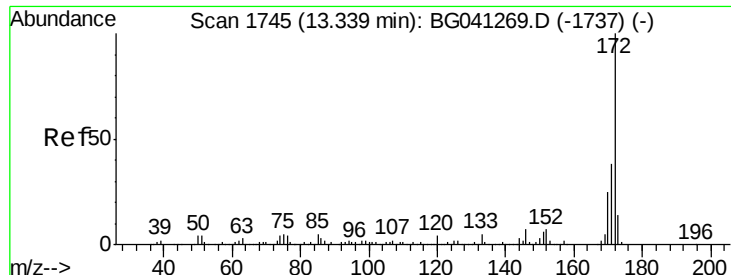
Ion Ratio Lower Upper

330 100

332 95.5 75.5 113.3

141 35.1 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 65.680 ng

RT: 13.33 min Scan# 1742

Delta R.T. -0.01 min

Lab File: BG041378.D

Acq: 21 Jun 2019 14:41

Instrument :

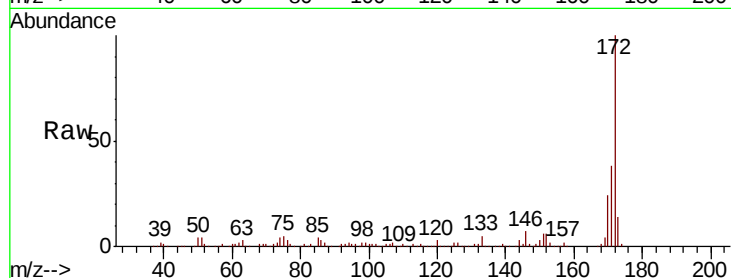
BNA_G

ClientSampleId :

GRAVEL-2

Tot Ion:172 Resp: 408531

Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	24.3	19.8	29.6

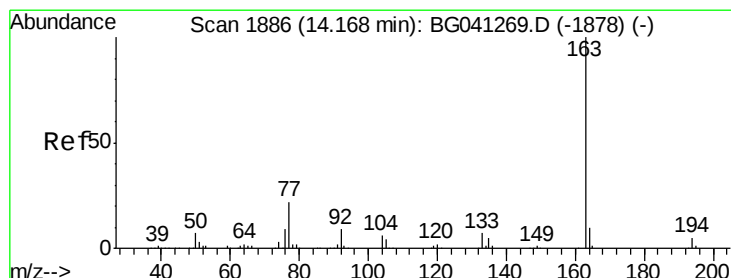
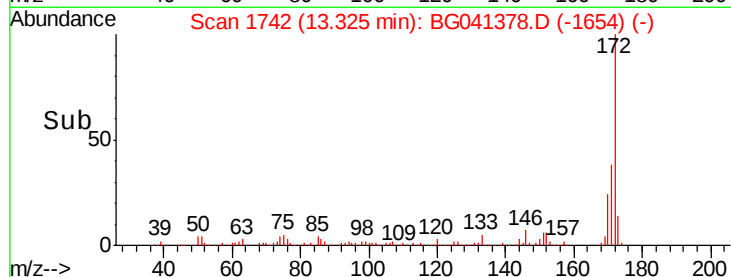
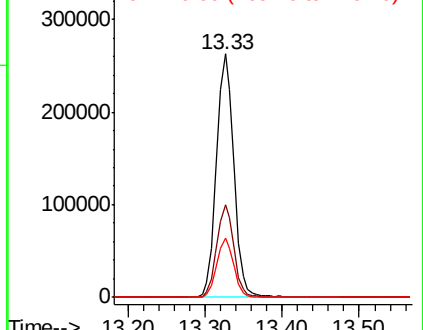


Abundance

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



#50

Dimethylphthalate

Concen: 3.682 ng

RT: 14.15 min Scan# 1883

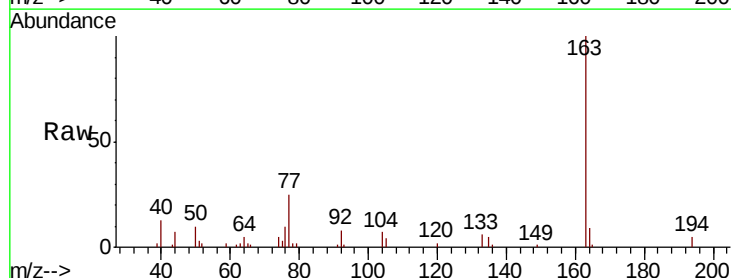
Delta R.T. -0.01 min

Lab File: BG041378.D

Acq: 21 Jun 2019 14:41

Tgt Ion:163 Resp: 27696

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.9	5.9
164	9.4	8.3	12.5

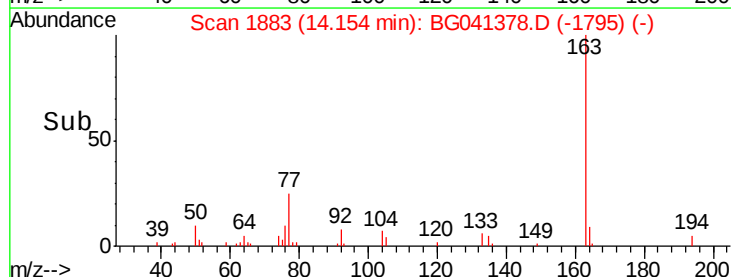
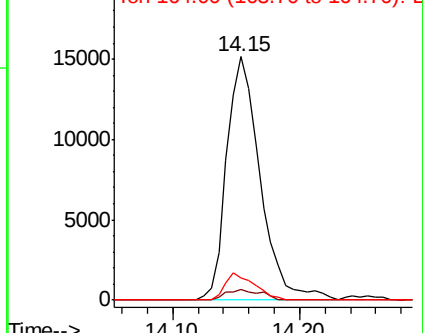


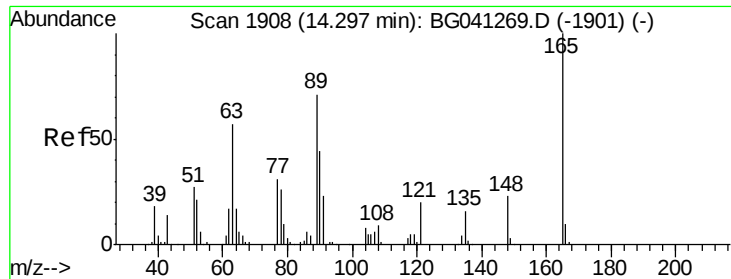
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

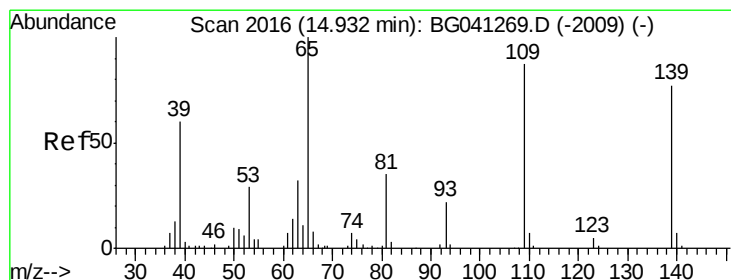
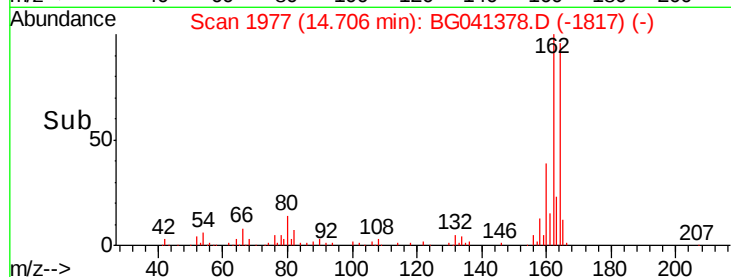
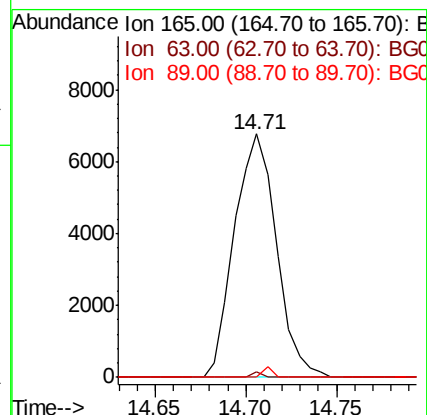
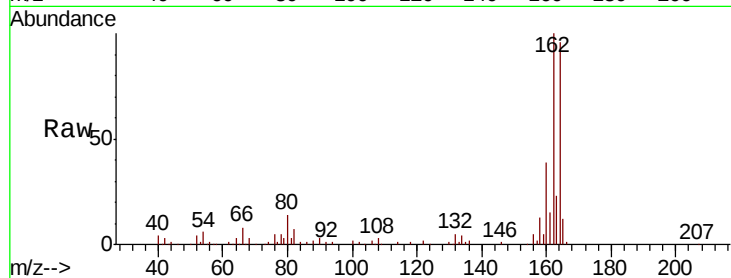




#51
 2,6-Dinitrotoluene
 Concen: 6.864 ng
 RT: 14.71 min Scan# 1977
 Delta R.T. 0.41 min
 Lab File: BG041378.D
 Acq: 21 Jun 2019 14:41

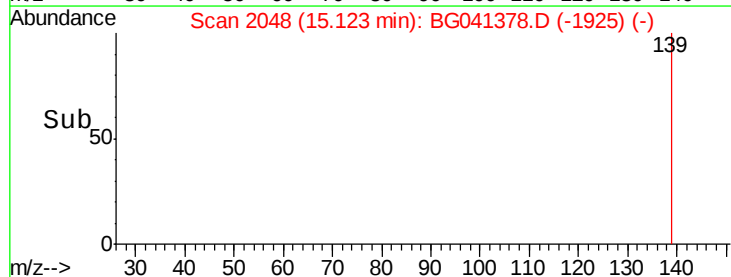
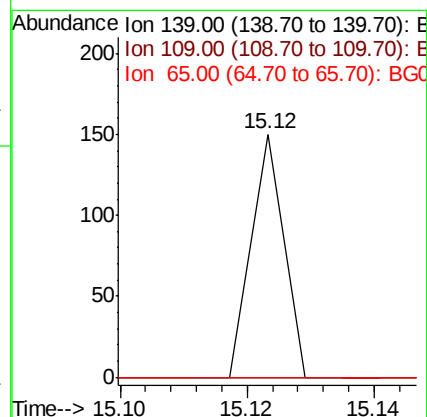
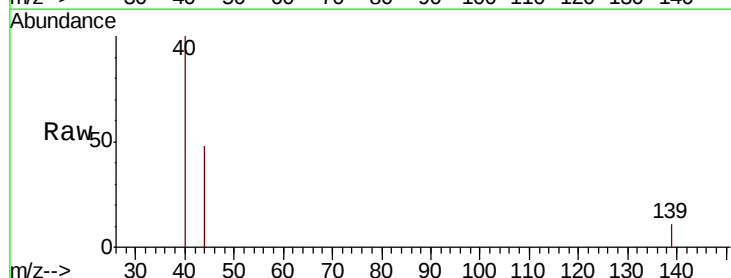
Instrument :
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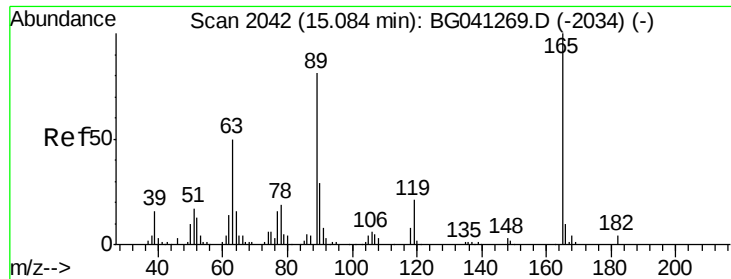
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	55.4	83.0#
89	0.0	56.5	84.7#



#56
 4-Nitrophenol
 Concen: 3.258 ng
 RT: 15.12 min Scan# 2048
 Delta R.T. 0.19 min
 Lab File: BG041378.D
 Acq: 21 Jun 2019 14:41

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	93.2	133.2#
65	0.0	110.2	150.2#

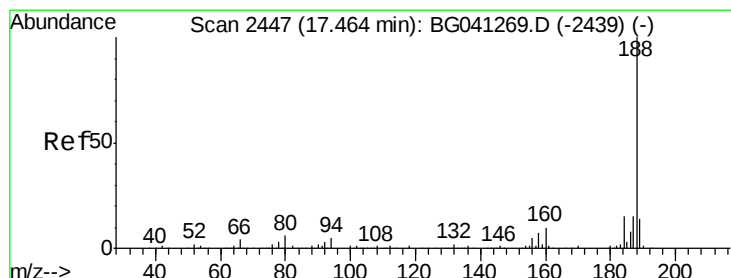
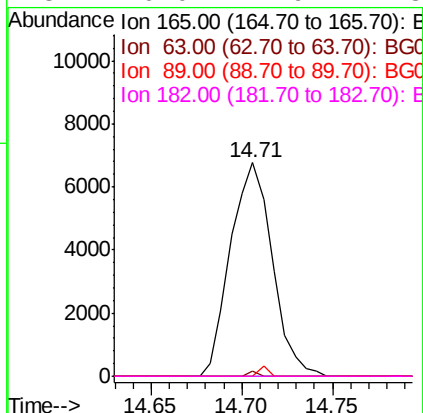
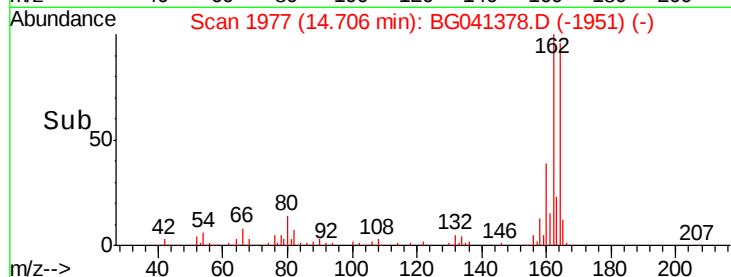
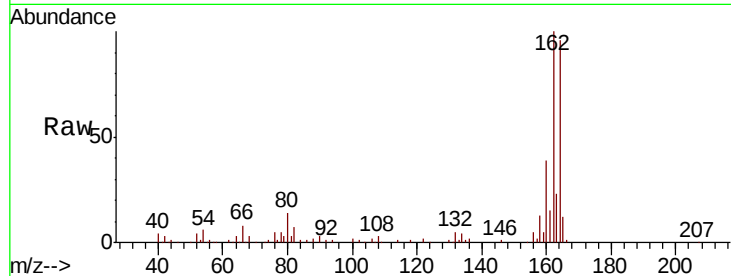




#57
2,4-Dinitrotoluene
Concen: 4.695 ng
RT: 14.71 min Scan# 1977
Delta R.T. -0.38 min
Lab File: BG041378.D
Acq: 21 Jun 2019 14:41

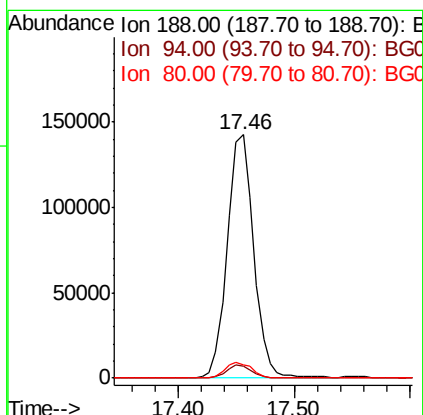
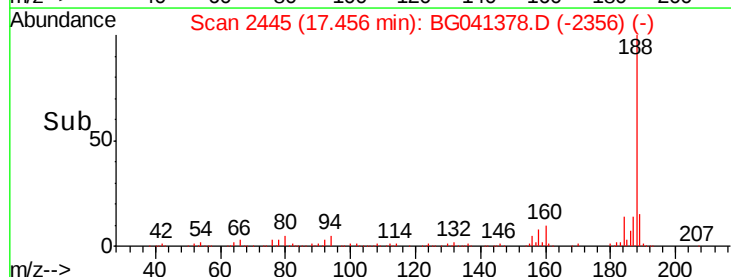
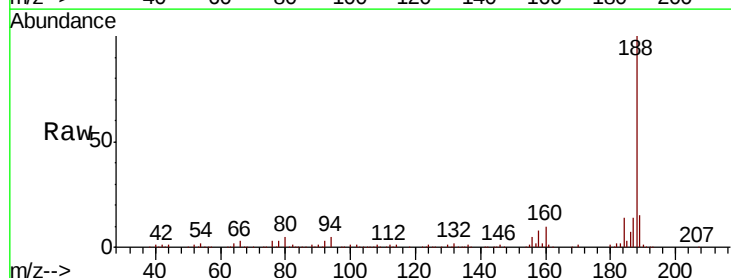
Instrument :
BNA_G
ClientSampleId :
GRAVEL-2

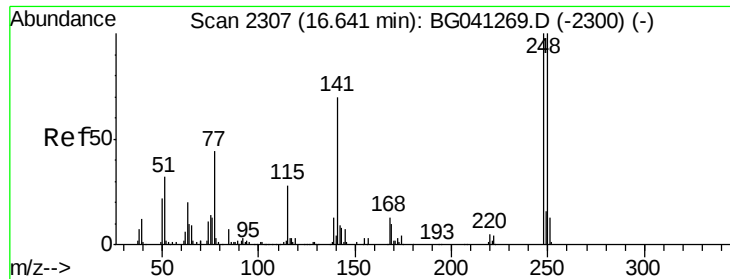
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	40.0	60.0#
89	0.0	64.6	96.8#
182	0.0	2.9	4.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG041378.D
Acq: 21 Jun 2019 14:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.0	3.6	5.4
80	5.3	4.8	7.2

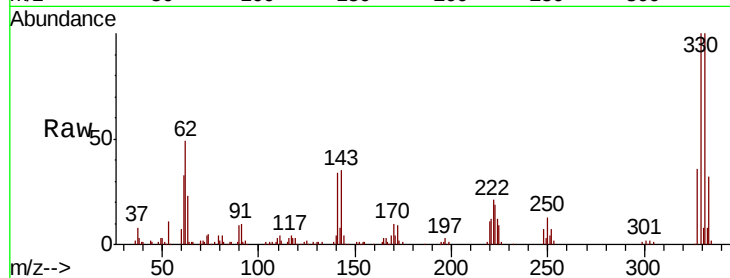




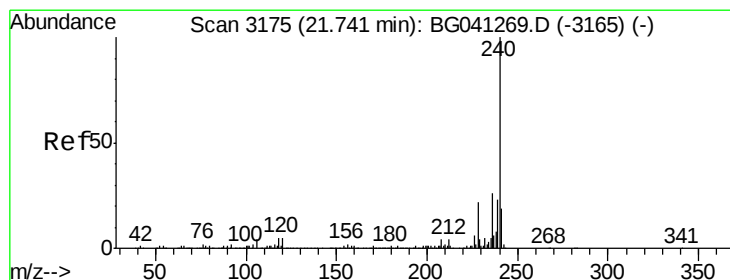
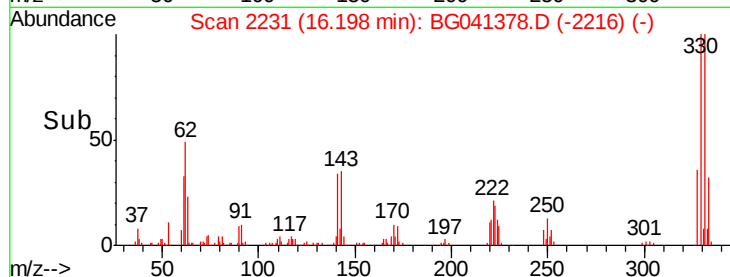
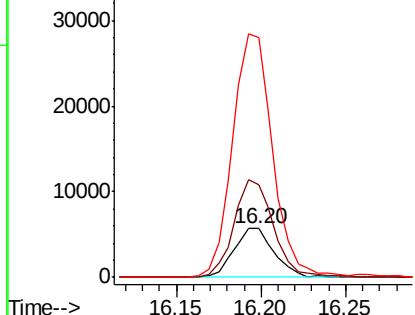
#67
4-Bromophenyl-phenylether
Concen: 3.187 ng
RT: 16.20 min Scan# 2231
Delta R.T. -0.44 min
Lab File: BG041378.D
Acq: 21 Jun 2019 14:41

Instrument :
BNA_G
ClientSampleId :
GRAVEL-2

Tot Ion:248 Resp: 9351
Ion Ratio Lower Upper
248 100
250 189.1 79.8 119.8#
141 492.9 55.8 83.6#

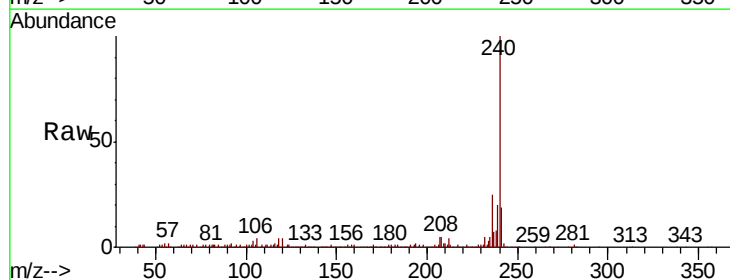


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

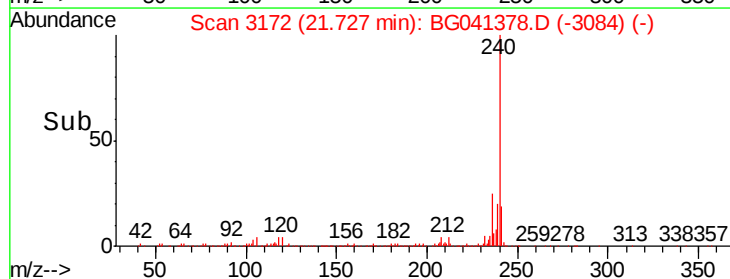
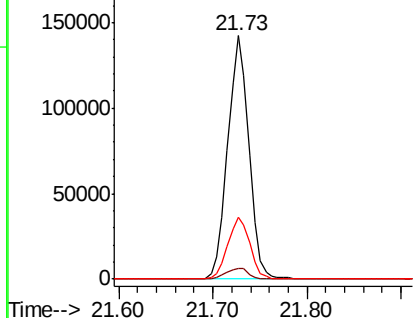


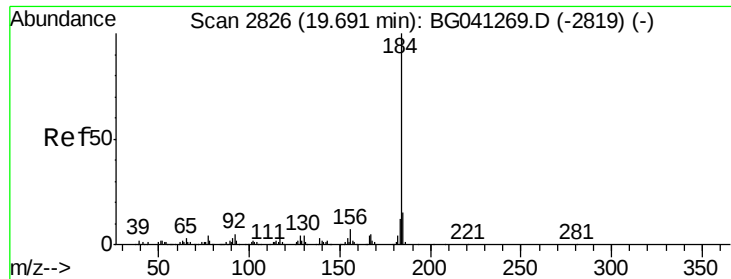
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3172
Delta R.T. -0.01 min
Lab File: BG041378.D
Acq: 21 Jun 2019 14:41

Tgt Ion:240 Resp: 223474
Ion Ratio Lower Upper
240 100
120 4.5 3.7 5.5
236 25.4 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: 2.393 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG041378.D

Acq: 21 Jun 2019 14:41

Instrument :

BNA_G

ClientSampleId :

GRAVEL-2

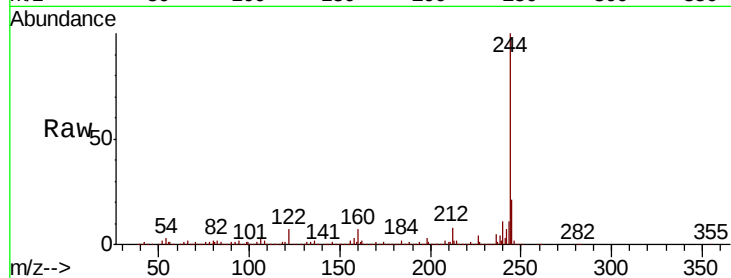
Tot Ion:184 Resp: 12935

Ion Ratio Lower Upper

184 100

185 21.9 12.2 18.2#

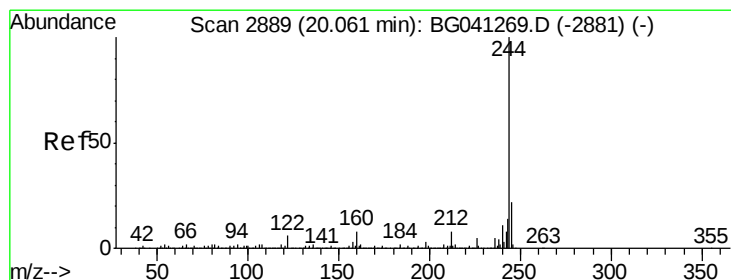
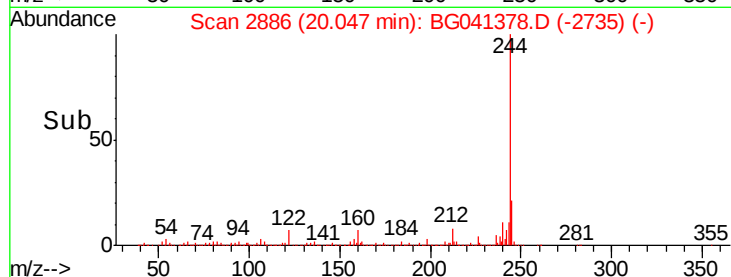
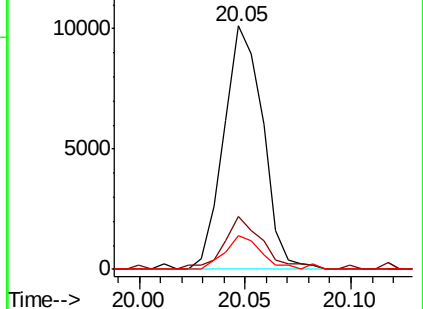
183 13.8 9.6 14.4



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: 68.965 ng

RT: 20.05 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BG041378.D

Acq: 21 Jun 2019 14:41

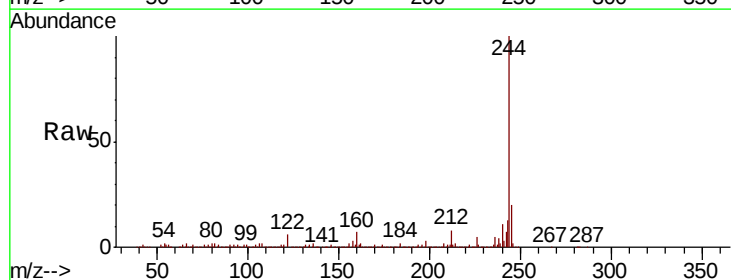
Tgt Ion:244 Resp: 777669

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

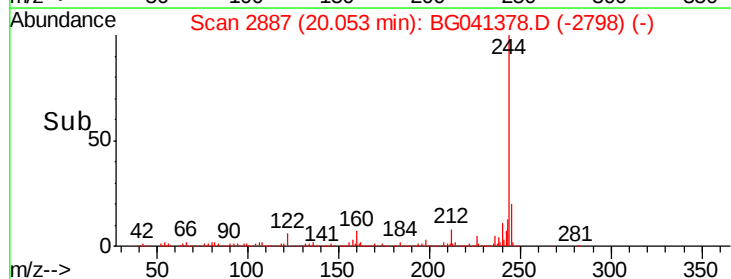
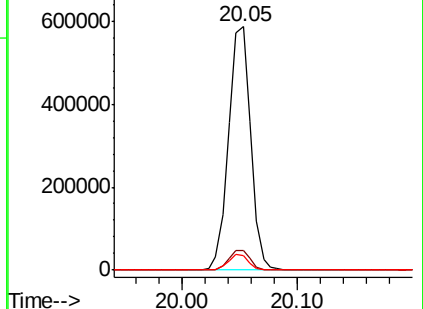
122 5.9 5.0 7.4

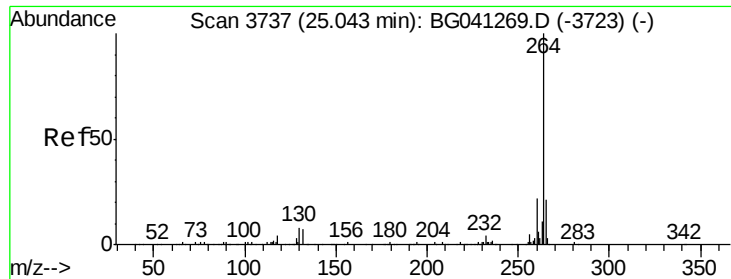


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.04 min Scan# 3735
Delta R.T. -0.01 min
Lab File: BG041378.D
Acq: 21 Jun 2019 14:41

Instrument :
BNA_G
ClientSampleId :
GRAVEL-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.2
265	22.1	17.2	25.8

