

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061319\
 Data File : BG041244.D
 Acq On : 14 Jun 2019 6:17
 Operator : HP/JU
 Sample : K3333-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-1

Quant Time: Jun 14 07:36:30 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

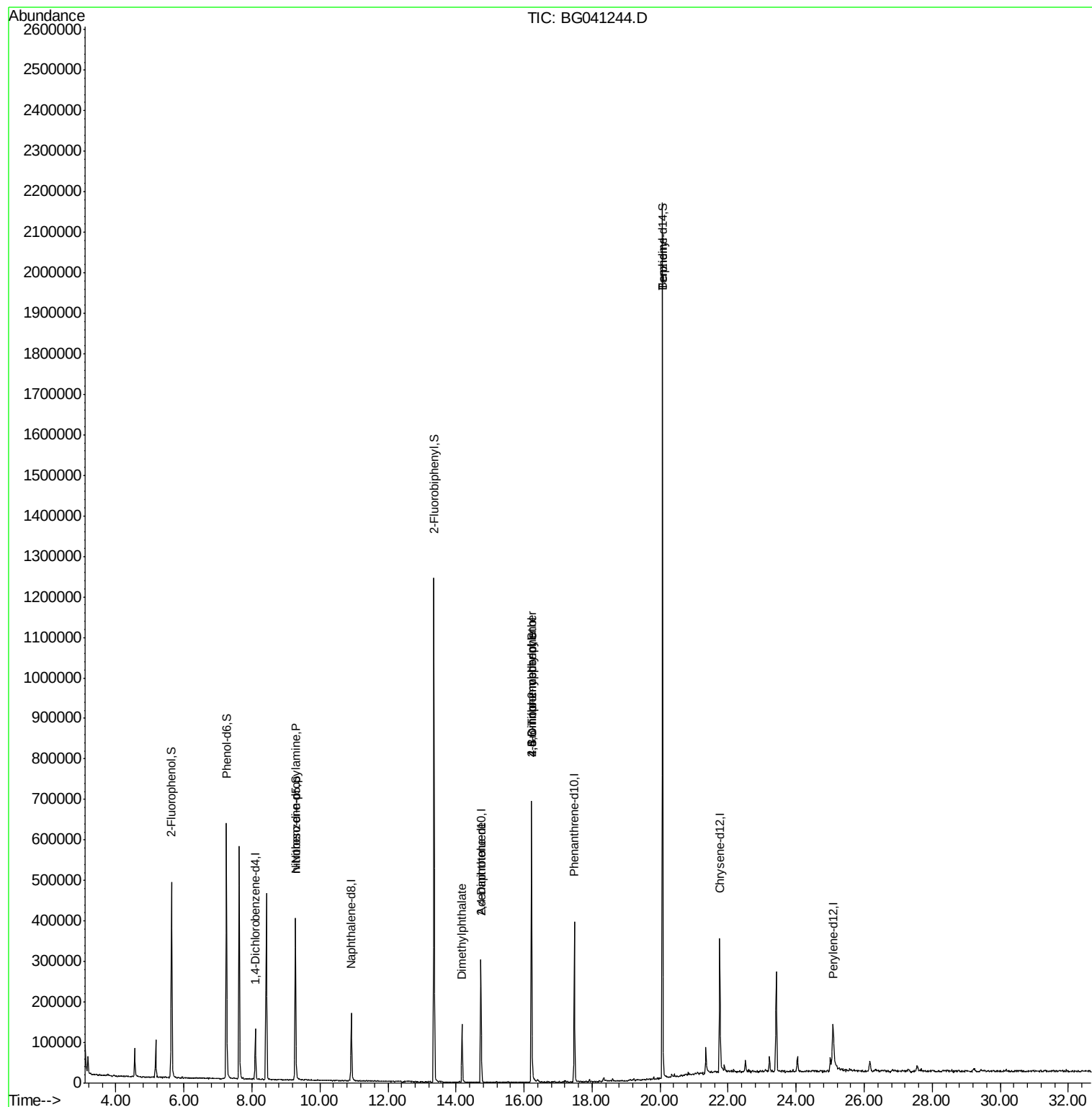
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	34869	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	148881	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	107800	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	257668	20.00	ng	0.00
76) Chrysene-d12	21.76	240	238453	20.00	ng	0.00
87) Perylene-d12	25.08	264	193349	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	200987	103.94	ng	0.00
7) Phenol-d6	7.25	99	332546	111.35	ng	0.00
23) Nitrobenzene-d5	9.28	82	254384	75.85	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	134692	84.16	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	630511	84.23	ng	0.00
79) Terphenyl-d14	20.07	244	1024016	91.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	37792	16.444	ng	Qvalue 75
50) Dimethylphthalate	14.18	163	102988	11.286	ng	97
57) 2,4-Dinitrotoluene	14.73	165	13617	4.900	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.22	198	69	8.631	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	9568	2.752	ng	# 1
77) Benzidine	20.07	184	16519	2.904	ng	# 93

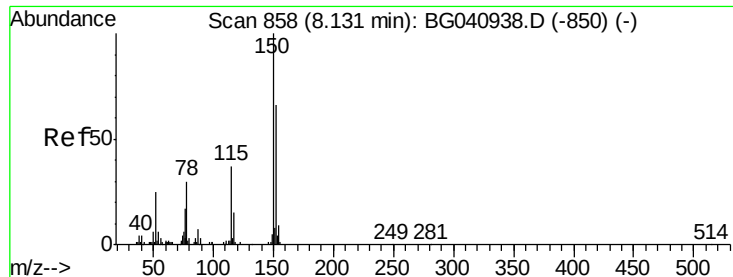
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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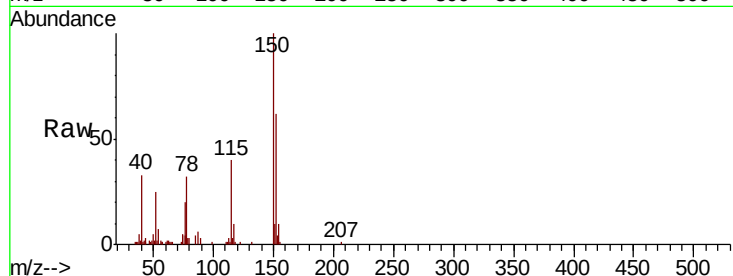


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BG041244.D
Acq: 14 Jun 2019 6:17

Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.5	120.6	180.8
115	64.2	45.1	67.7

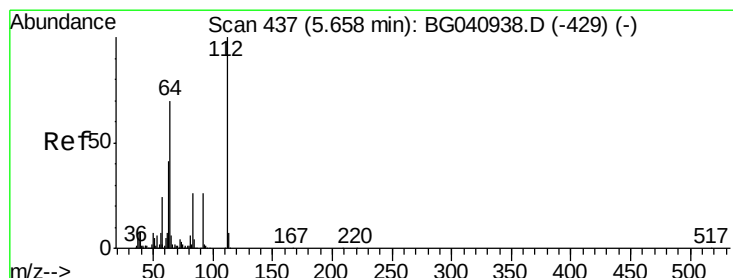
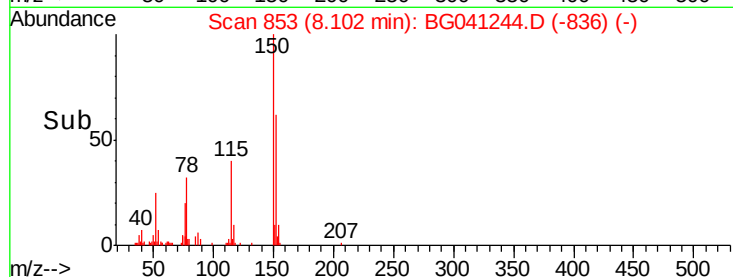
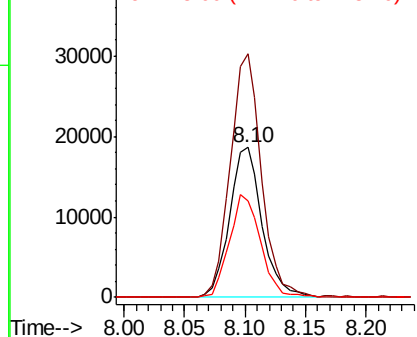


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

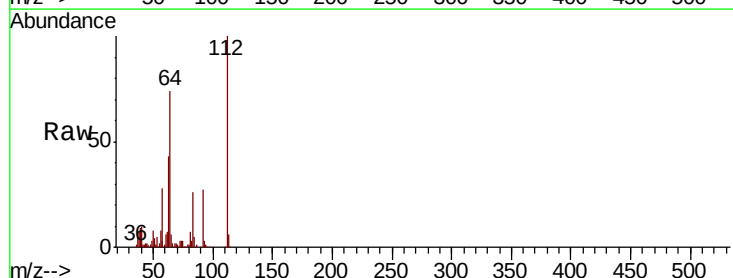
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.938 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041244.D
Acq: 14 Jun 2019 6:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.5	56.2	84.2
63	42.8	32.8	49.2

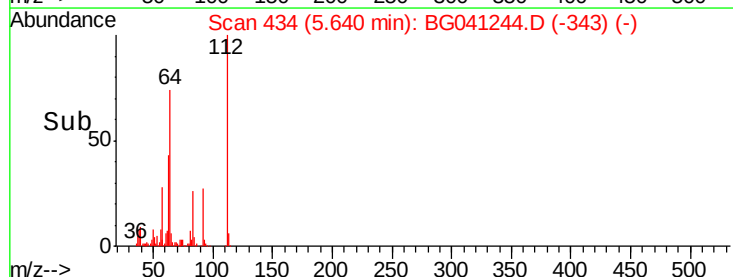
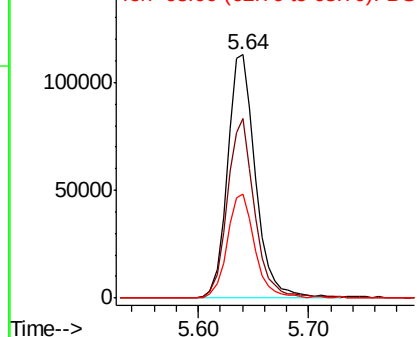


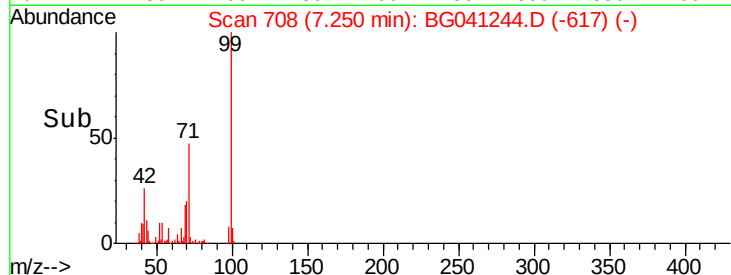
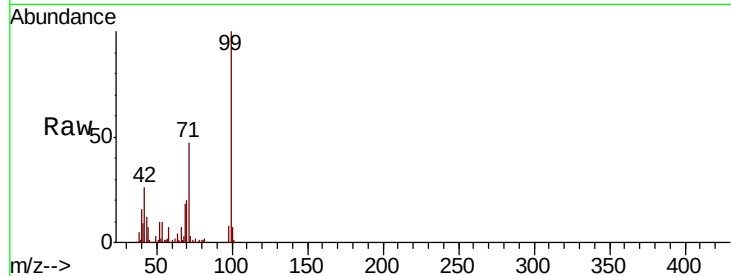
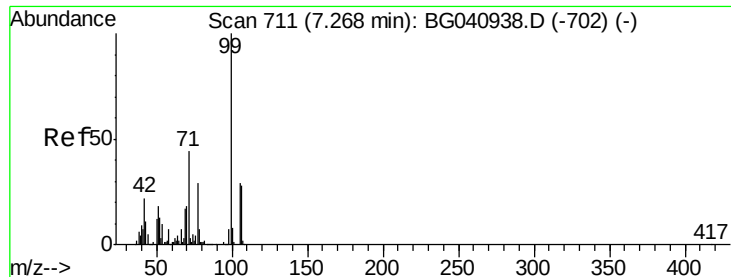
Abundance

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: 111.353 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

Instrument :

BNA_G

ClientSampleId :

CONCRETE-1

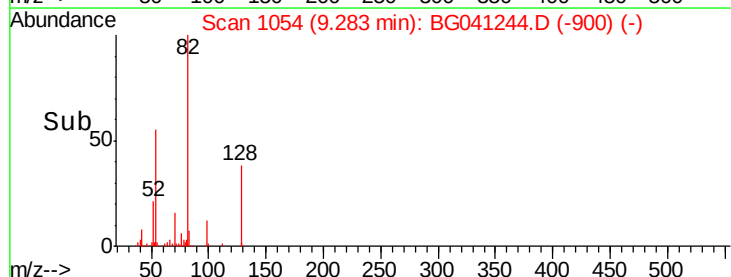
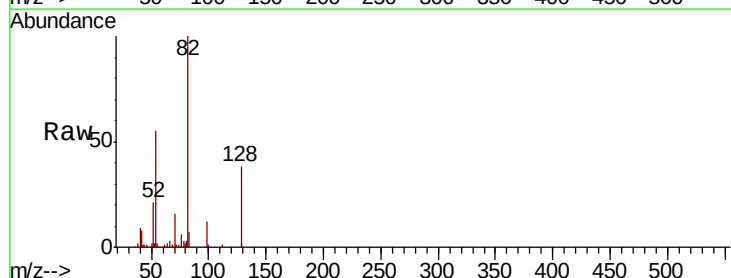
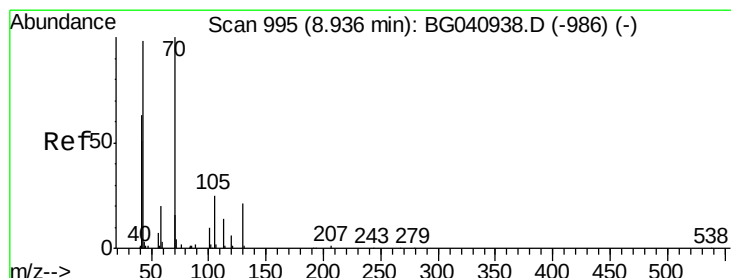
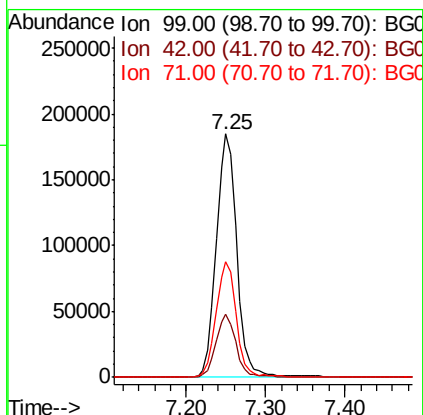
Tgt Ion: 99 Resp: 332546

Ion Ratio Lower Upper

99 100

42 26.1 17.9 26.9

71 47.4 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.444 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

Tgt Ion: 70 Resp: 37792

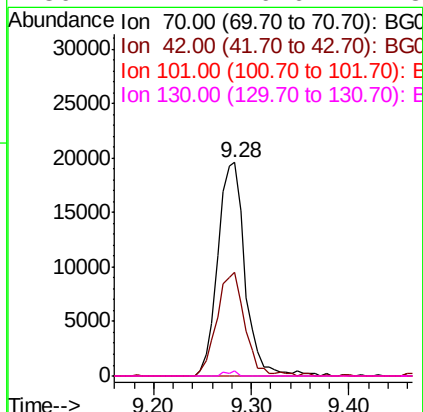
Ion Ratio Lower Upper

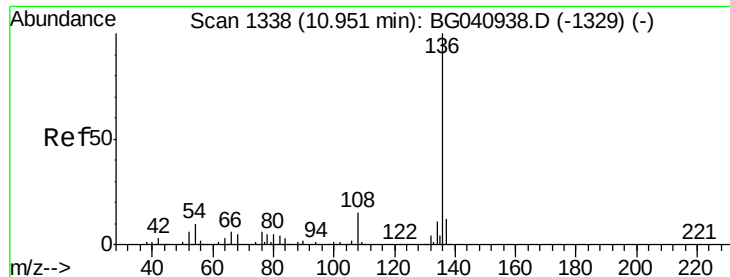
70 100

42 48.6 51.5 77.3#

101 0.0 8.1 12.1#

130 2.4 16.6 24.8#

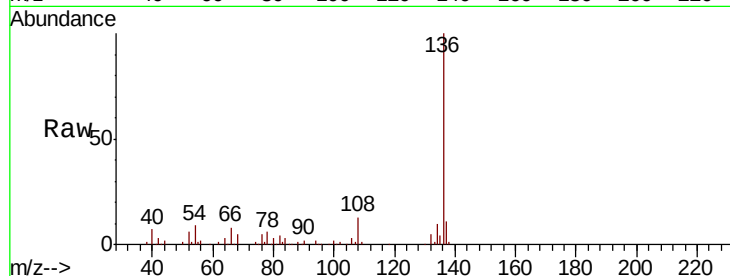




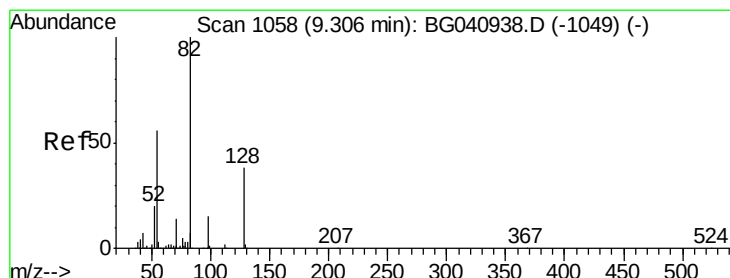
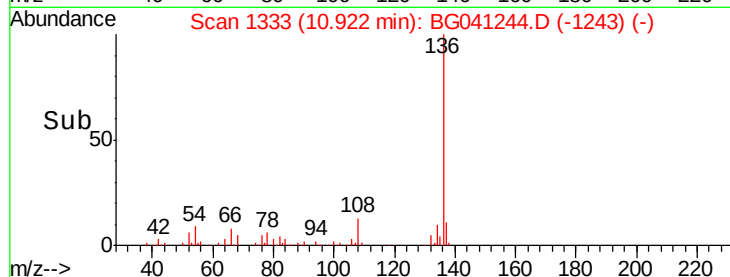
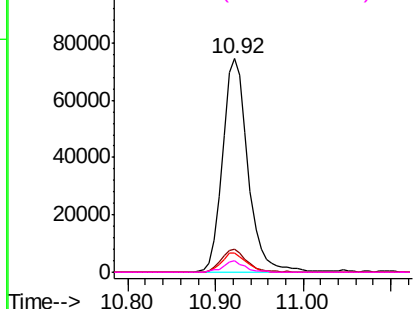
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG041244.D
Acq: 14 Jun 2019 6:17

Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

Tgt Ion:	136	Resp:	148881
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.5	14.3
54	8.7	7.6	11.4
68	5.3	3.9	5.9

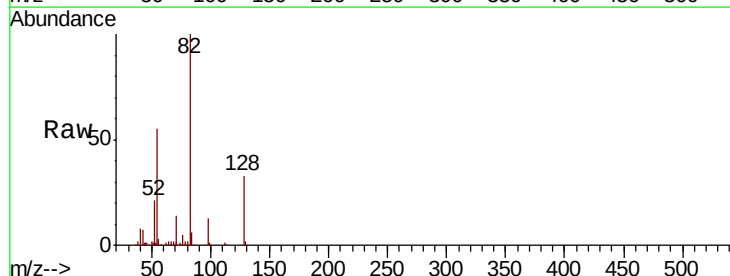


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

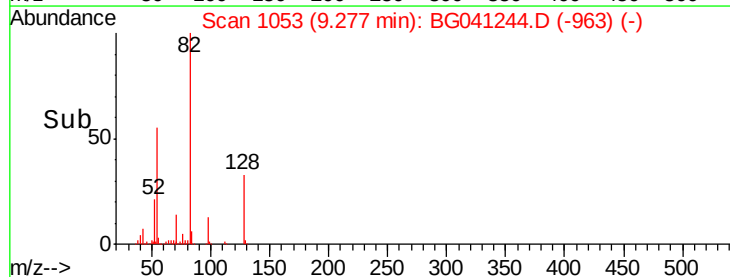
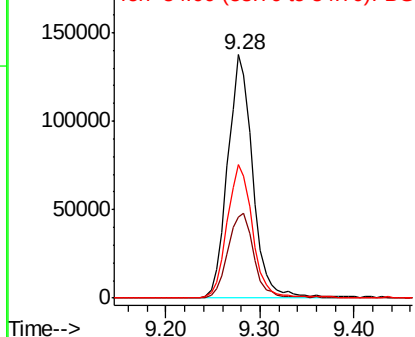


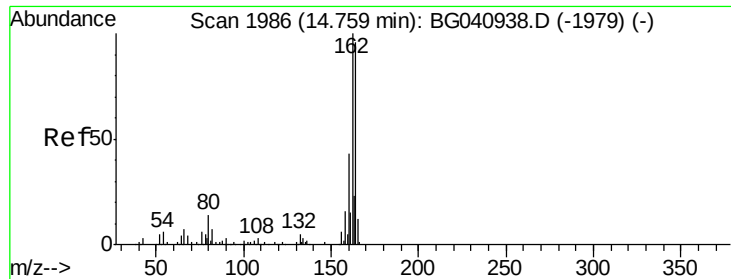
#23
Nitrobenzene-d5
Concen: 75.853 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BG041244.D
Acq: 14 Jun 2019 6:17

Tgt Ion:	82	Resp:	254384
Ion	Ratio	Lower	Upper
82	100		
128	33.3	30.5	45.7
54	54.7	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# 1981

Delta R.T. -0.01 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

Instrument :

BNA_G

ClientSampleId :

CONCRETE-1

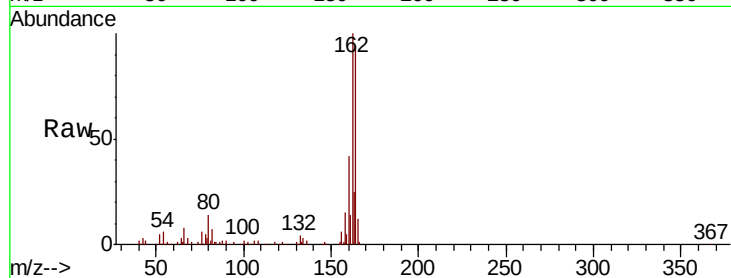
Tgt Ion:164 Resp: 107800

Ion Ratio Lower Upper

164 100

162 106.6 83.0 124.4

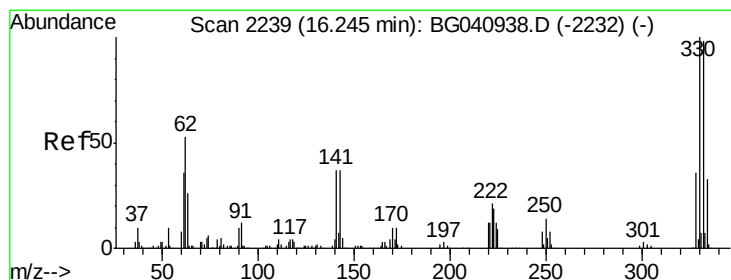
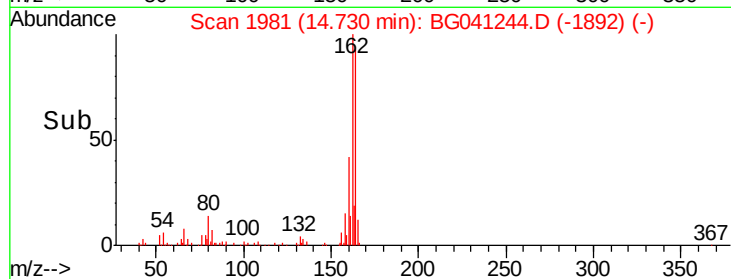
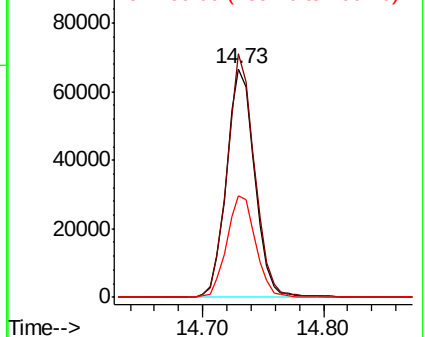
160 44.6 35.6 53.4



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: 84.163 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

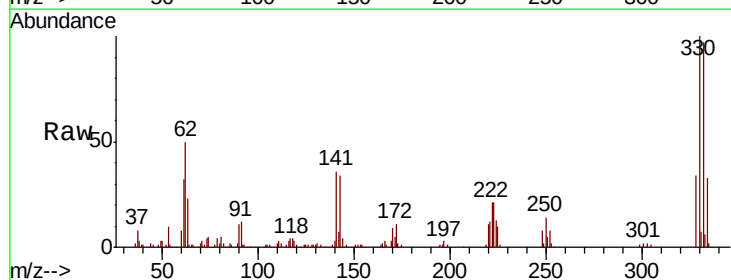
Tgt Ion:330 Resp: 134692

Ion Ratio Lower Upper

330 100

332 95.6 78.5 117.7

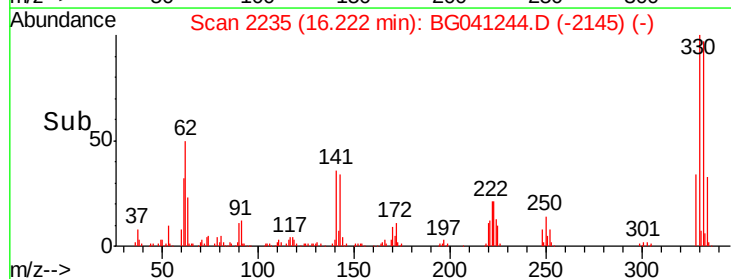
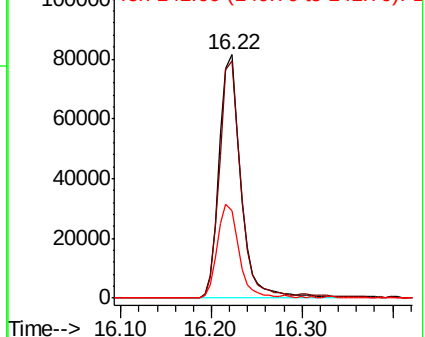
141 38.6 28.7 43.1

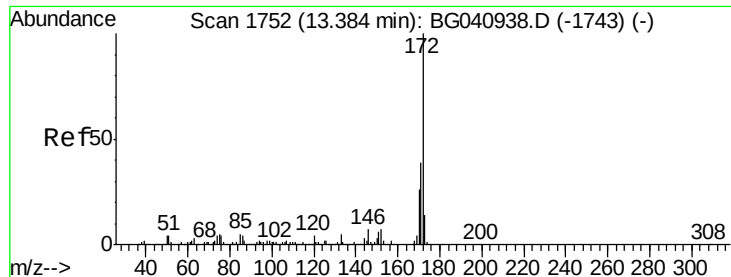


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

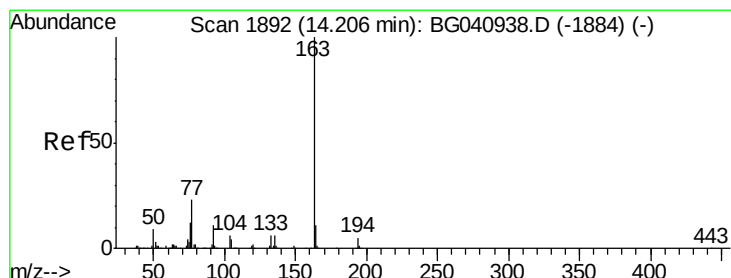
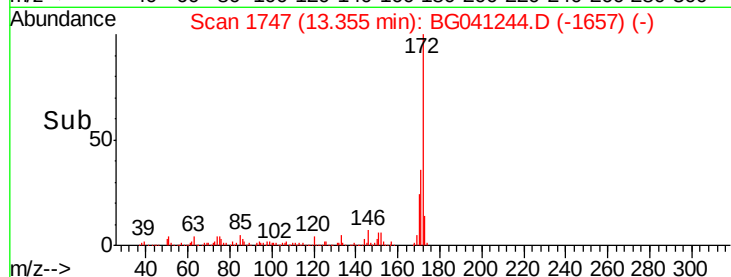
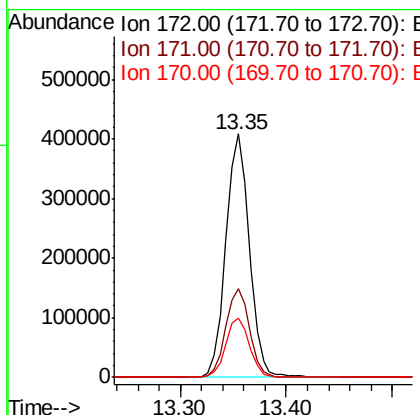
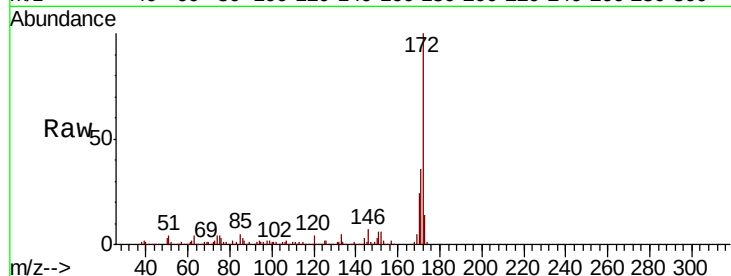




#45
 2-Fluorobiphenyl
 Concen: 84.230 ng
 RT: 13.35 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: BG041244.D
 Acq: 14 Jun 2019 6:17

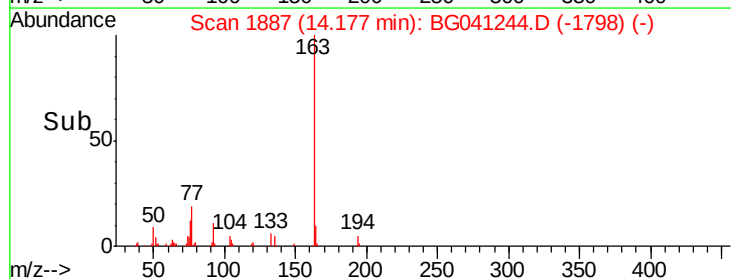
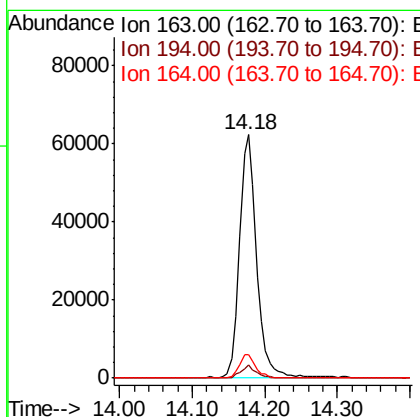
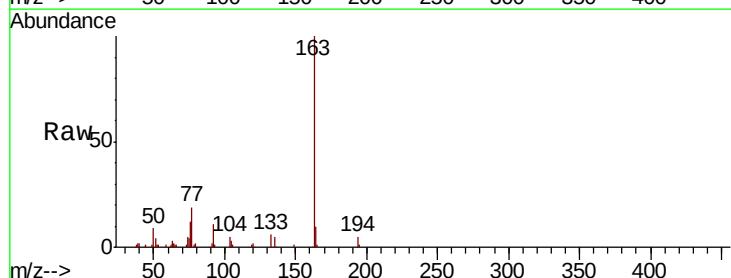
Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-1

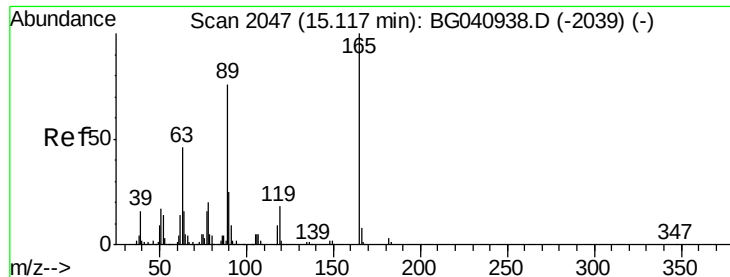
Tgt Ion:	172	Resp:	630511
Ion	Ratio	Lower	Upper
172	100		
171	36.5	31.1	46.7
170	24.2	20.5	30.7



#50
 Dimethylphthalate
 Concen: 11.286 ng
 RT: 14.18 min Scan# 1887
 Delta R.T. -0.01 min
 Lab File: BG041244.D
 Acq: 14 Jun 2019 6:17

Tgt Ion:	163	Resp:	102988
Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.8	5.8
164	9.6	8.7	13.1





#57

2,4-Dinitrotoluene

Concen: 4.900 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.37 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

Instrument :

BNA_G

ClientSampleId :

CONCRETE-1

Tgt Ion:165 Resp: 13617

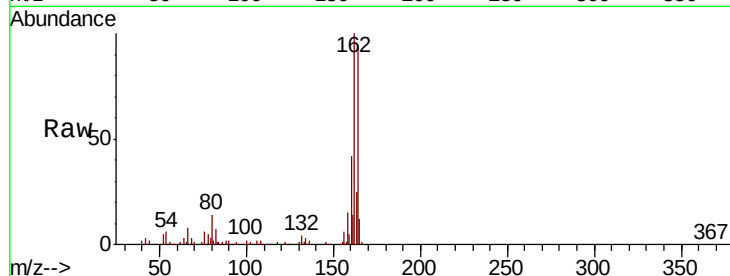
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 2.7 61.0 91.6#

182 0.0 2.2 3.2#

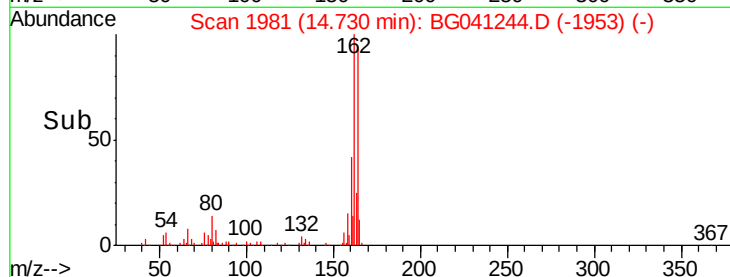


Abundance Ion 165.00 (164.70 to 165.70): E

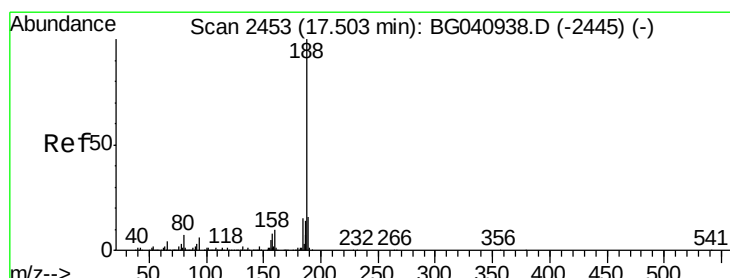
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

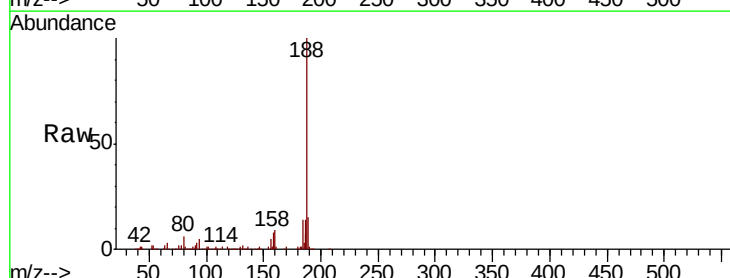
Tgt Ion:188 Resp: 257668

Ion Ratio Lower Upper

188 100

94 5.4 4.7 7.1

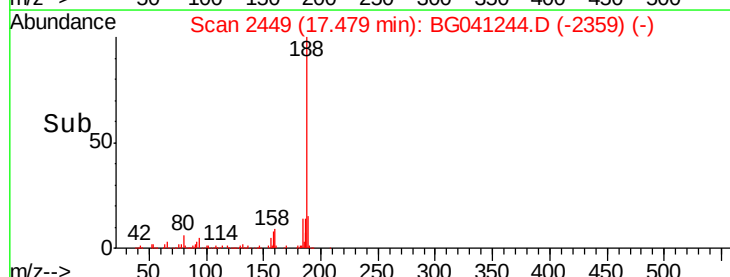
80 6.5 5.8 8.8



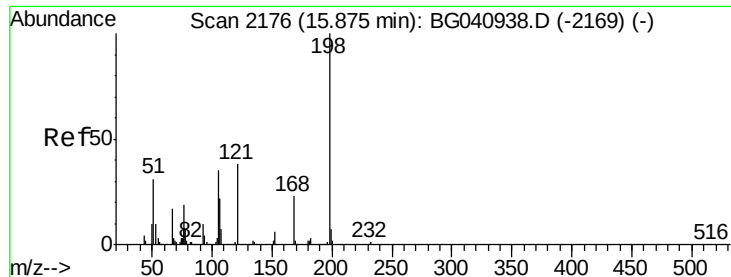
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.631 ng

RT: 16.22 min Scan# 2234

Delta R.T. 0.36 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

Instrument :

BNA_G

ClientSampleId :

CONCRETE-1

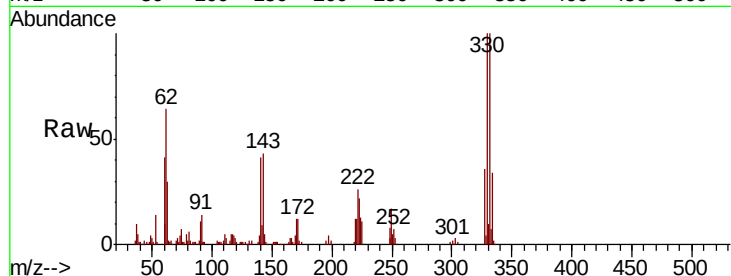
Tgt Ion:198 Resp: 69

Ion Ratio Lower Upper

198 100

51 219.8 21.6 61.6#

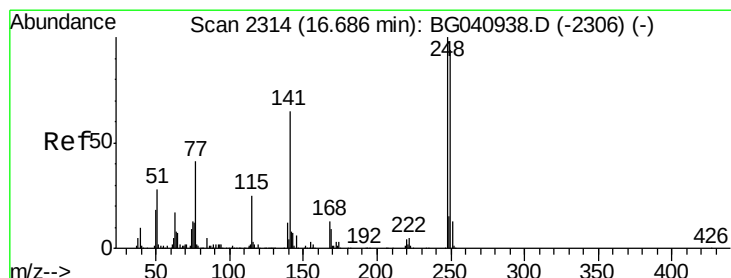
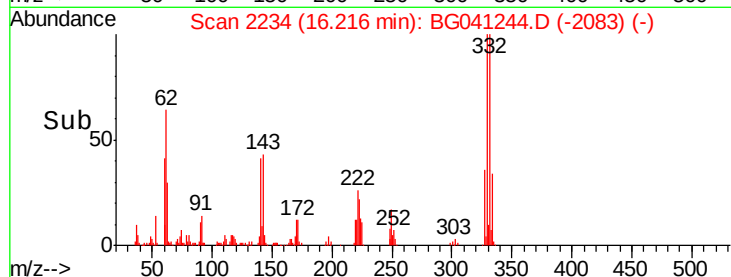
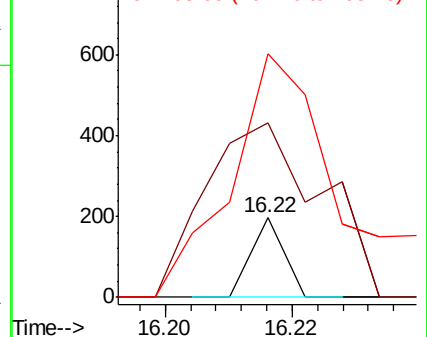
105 305.6 17.5 57.5#



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



#67

4-Bromophenyl-phenylether

Concen: 2.752 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

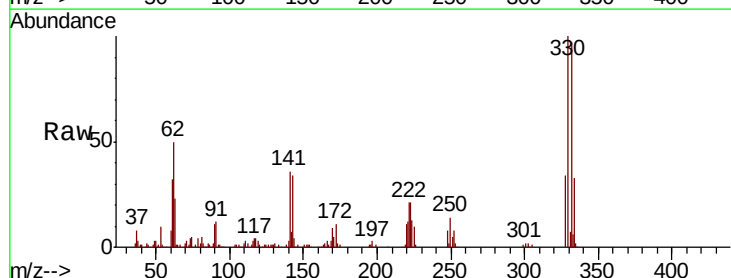
Tgt Ion:248 Resp: 9568

Ion Ratio Lower Upper

248 100

250 189.2 75.0 112.4#

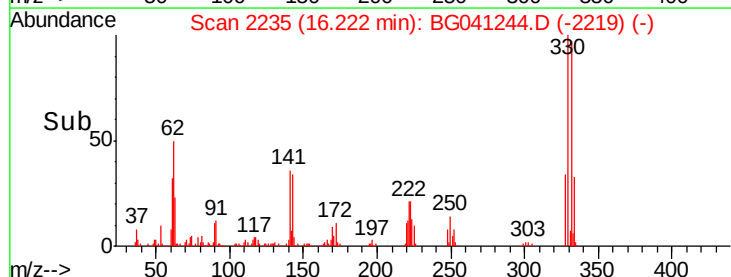
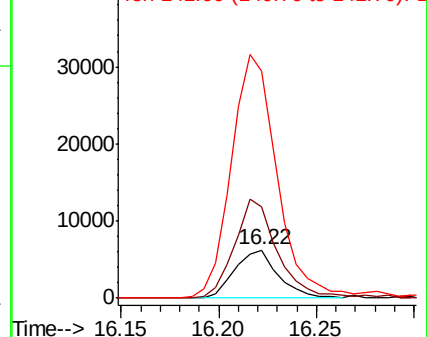
141 471.6 52.4 78.6#

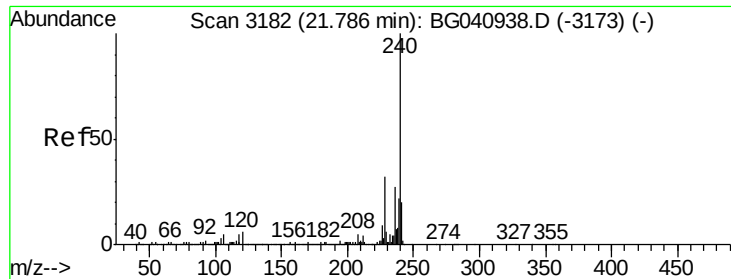


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

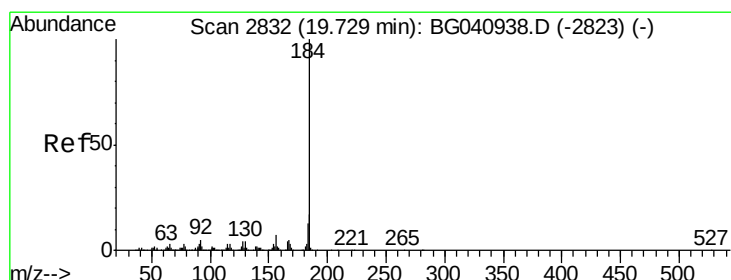
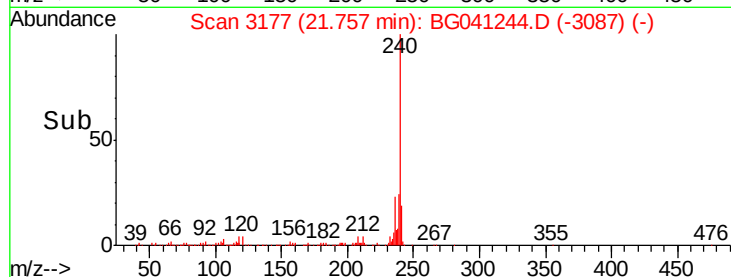
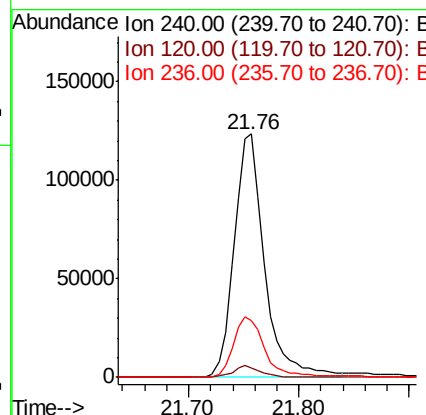
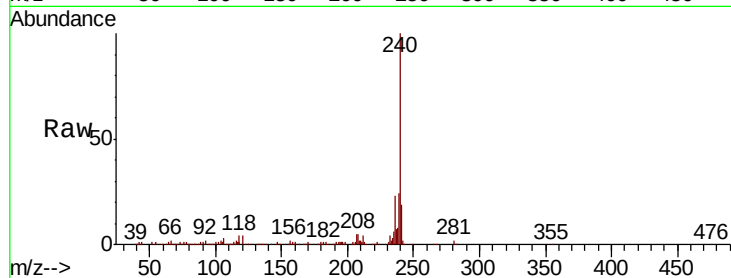




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.00 min
Lab File: BG041244.D
Acq: 14 Jun 2019 6:17

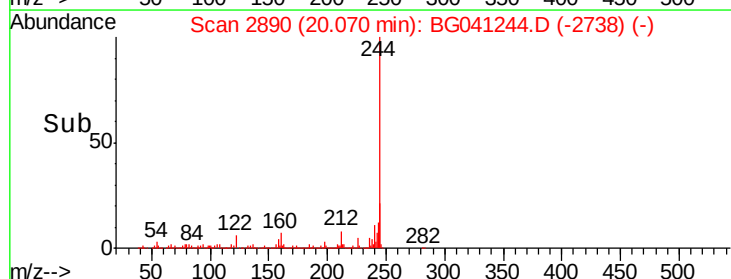
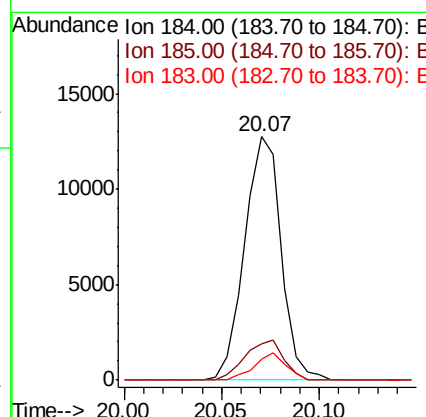
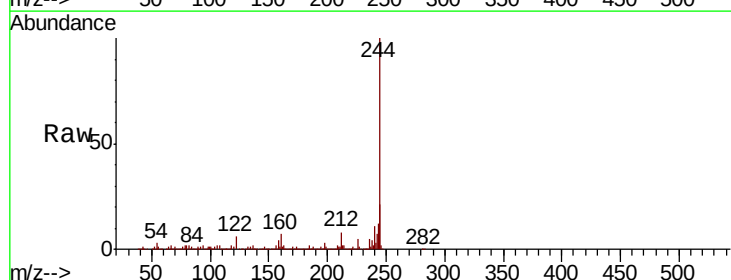
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

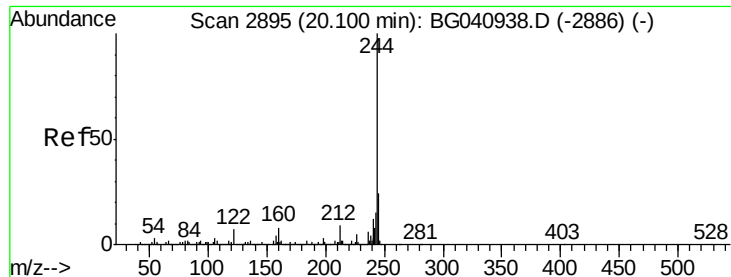
Tgt Ion:240 Resp: 238453
Ion Ratio Lower Upper
240 100
120 4.1 4.5 6.7#
236 23.1 21.3 31.9



#77
Benzidine
Concen: 2.904 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.36 min
Lab File: BG041244.D
Acq: 14 Jun 2019 6:17

Tgt Ion:184 Resp: 16519
Ion Ratio Lower Upper
184 100
185 15.1 13.3 19.9
183 8.8 10.7 16.1#





#79

Terphenyl-d14

Concen: 91.142 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.00 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

Instrument :

BNA_G

ClientSampleId :

CONCRETE-1

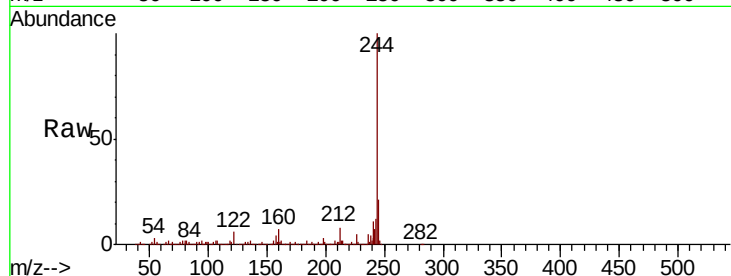
Tgt Ion:244 Resp: 1024016

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.4

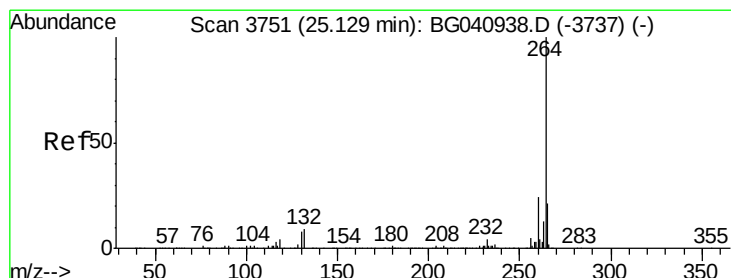
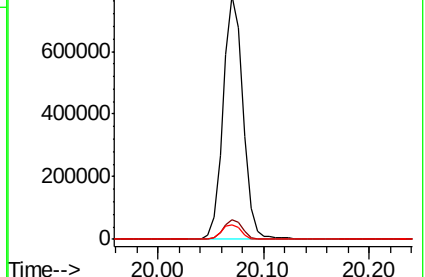
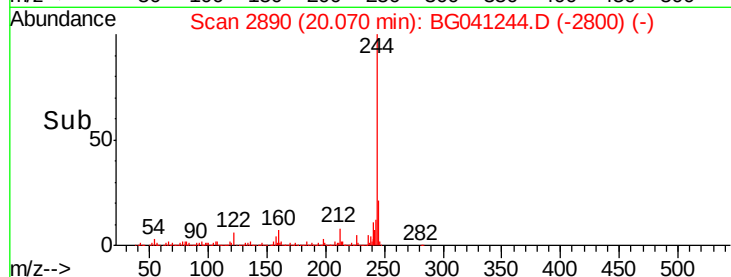
122 6.2 5.4 8.0



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: 25.08 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BG041244.D

Acq: 14 Jun 2019 6:17

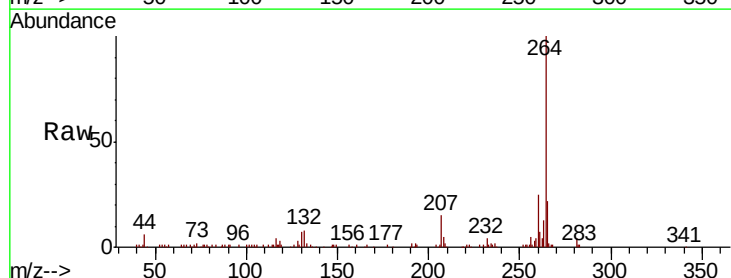
Tgt Ion:264 Resp: 193349

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.4

265 22.1 17.0 25.4



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

