

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061319\
 Data File : BG041243.D
 Acq On : 14 Jun 2019 5:40
 Operator : HP/JU
 Sample : K3333-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-2

Quant Time: Jun 14 06:30:20 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

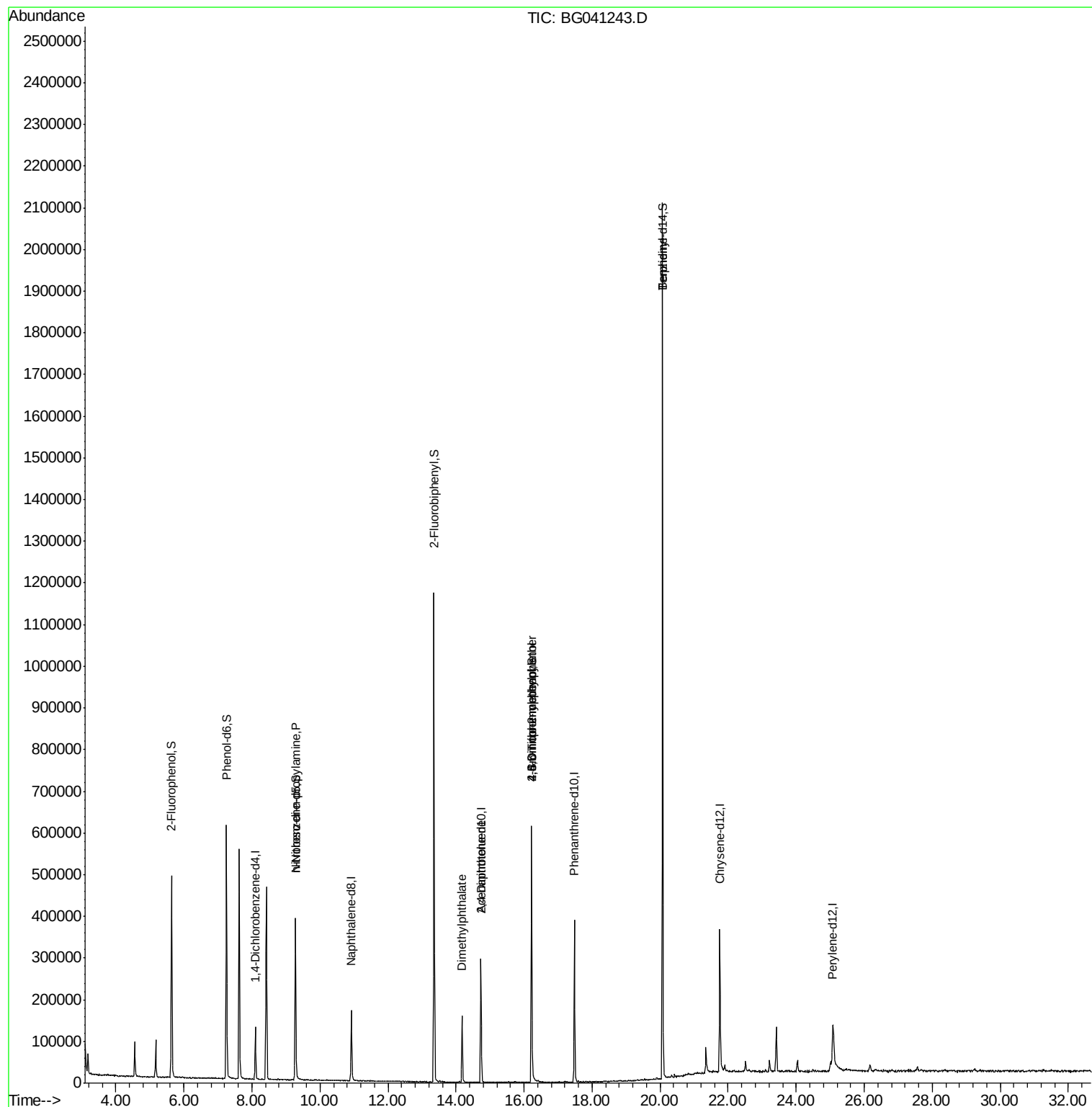
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	34951	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	144658	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	106060	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	253680	20.00	ng	0.00
76) Chrysene-d12	21.76	240	238798	20.00	ng	0.00
87) Perylene-d12	25.08	264	198751	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	190980	98.53	ng	0.00
7) Phenol-d6	7.25	99	322696	107.80	ng	0.00
23) Nitrobenzene-d5	9.28	82	251902	77.31	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	131928	83.79	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	618604	84.00	ng	0.00
79) Terphenyl-d14	20.07	244	1034820	91.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	35820	15.549	ng	Qvalue 76
50) Dimethylphthalate	14.18	163	111608	12.431	ng	97
57) 2,4-Dinitrotoluene	14.73	165	13802	5.048	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.23	198	281	8.759	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	9246	2.701	ng	# 1
77) Benzidine	20.07	184	17823	3.129	ng	# 90

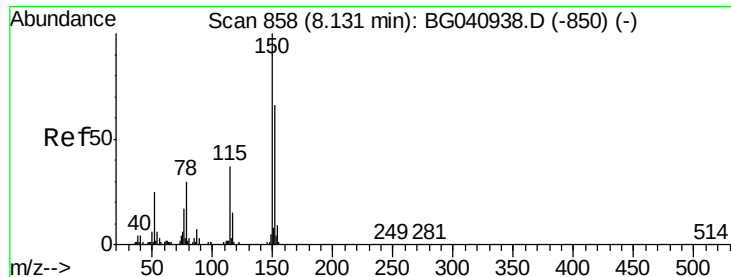
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 853

Delta R.T. -0.00 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE-2

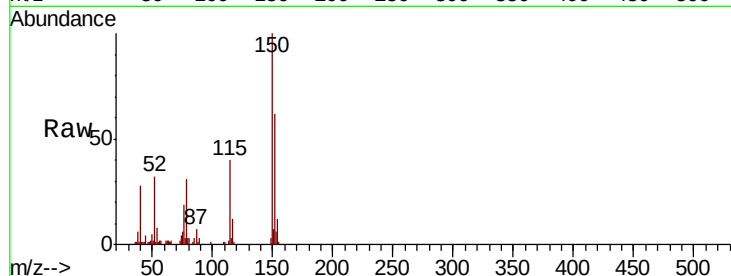
Tgt Ion:152 Resp: 34951

Ion Ratio Lower Upper

152 100

150 160.1 120.6 180.8

115 64.2 45.1 67.7

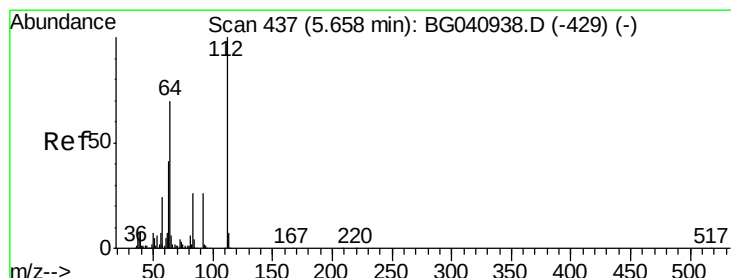
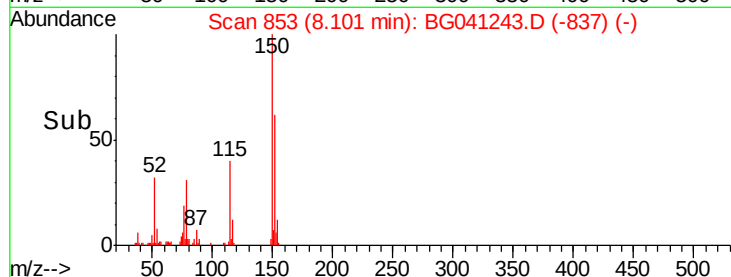
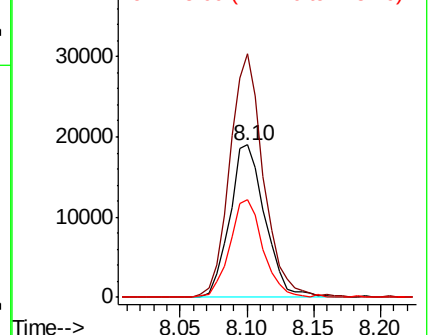


Abundance

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: 98.531 ng

RT: 5.64 min Scan# 434

Delta R.T. 0.00 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

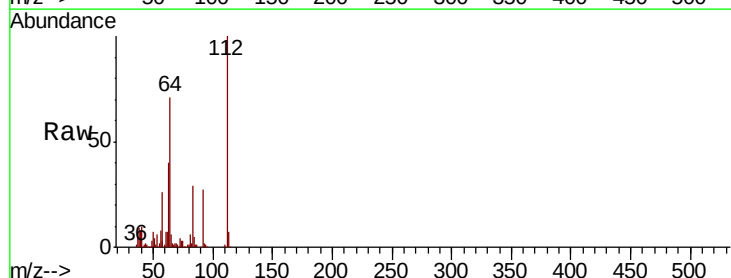
Tgt Ion:112 Resp: 190980

Ion Ratio Lower Upper

112 100

64 70.8 56.2 84.2

63 40.4 32.8 49.2

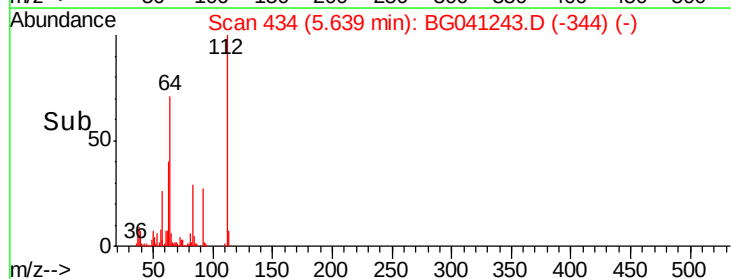
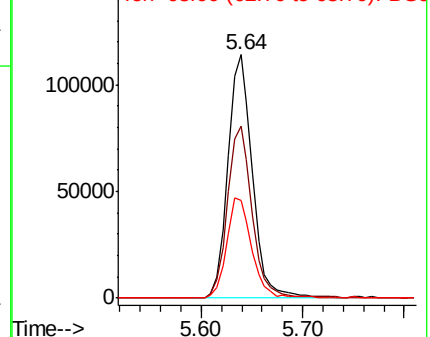


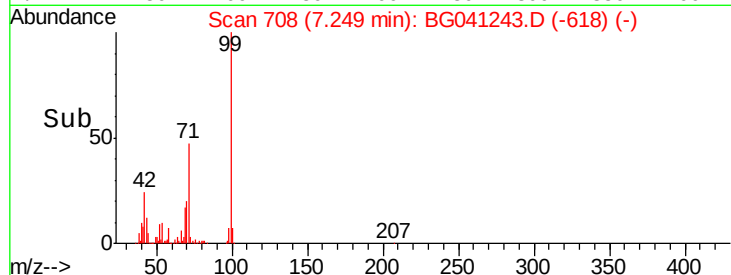
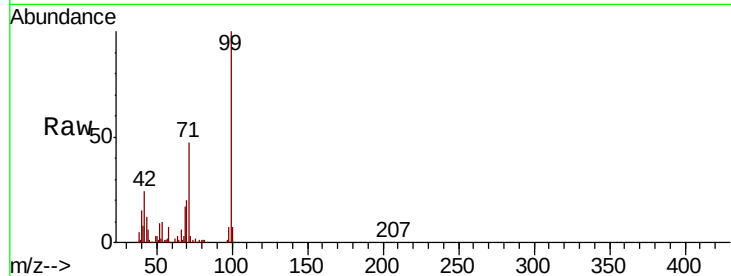
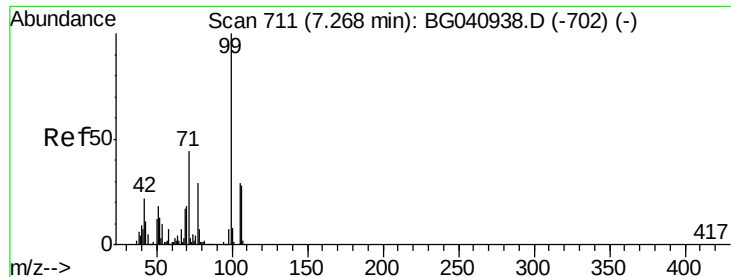
Abundance

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: 107.801 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE-2

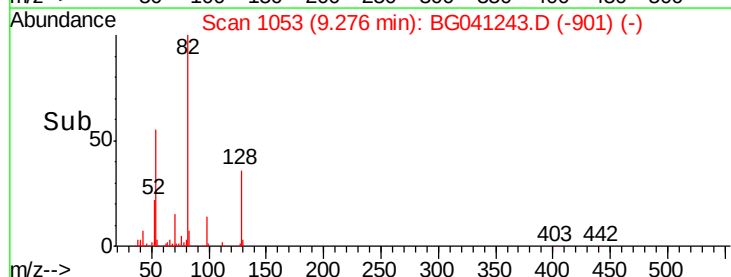
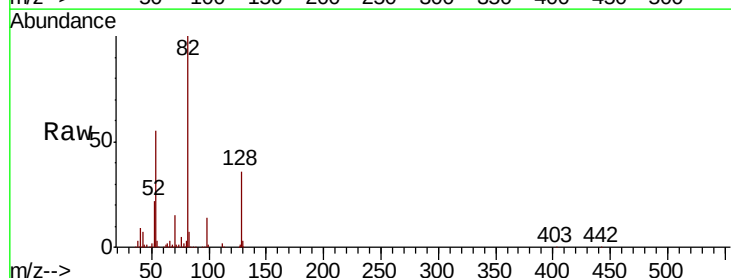
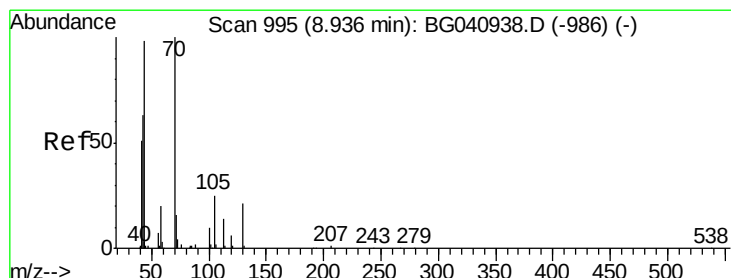
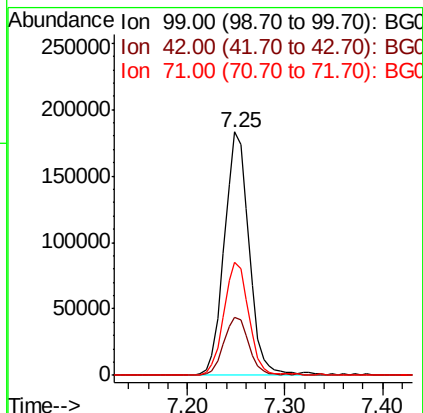
Tgt Ion: 99 Resp: 322696

Ion Ratio Lower Upper

99 100

42 23.8 17.9 26.9

71 46.5 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.549 ng

RT: 9.28 min Scan# 1053

Delta R.T. 0.37 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

Tgt Ion: 70 Resp: 35820

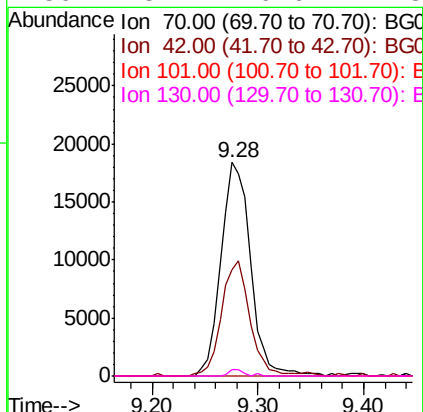
Ion Ratio Lower Upper

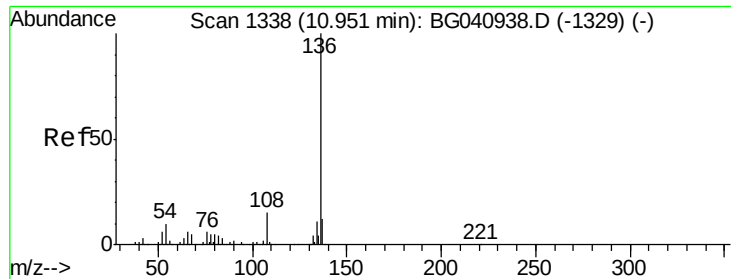
70 100

42 49.5 51.5 77.3#

101 0.0 8.1 12.1#

130 3.1 16.6 24.8#

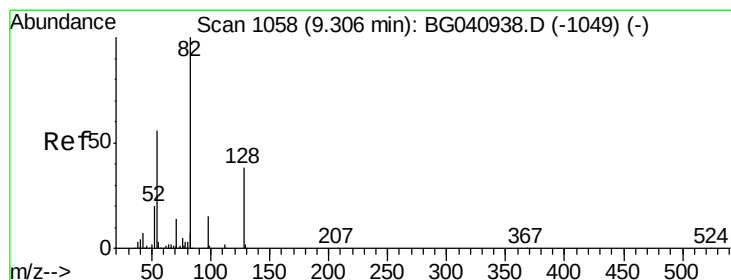
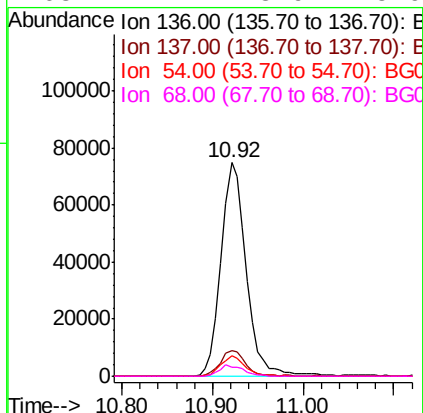
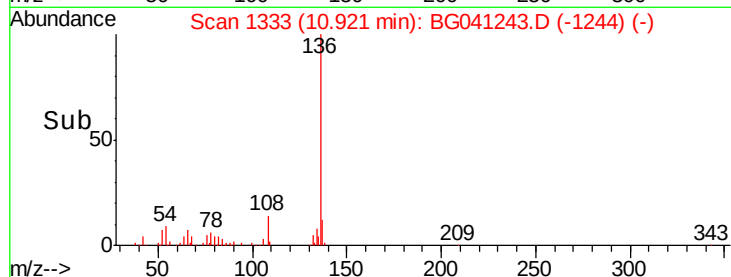
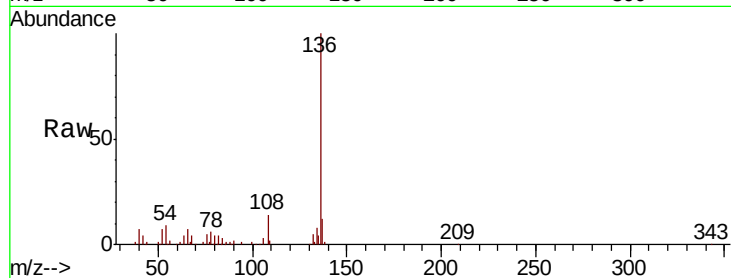




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG041243.D
Acq: 14 Jun 2019 5:40

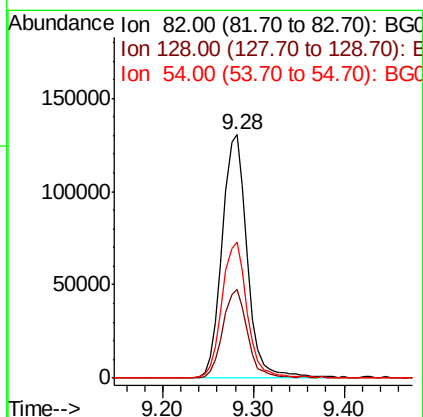
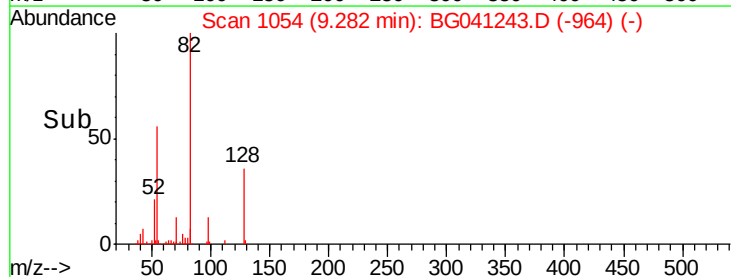
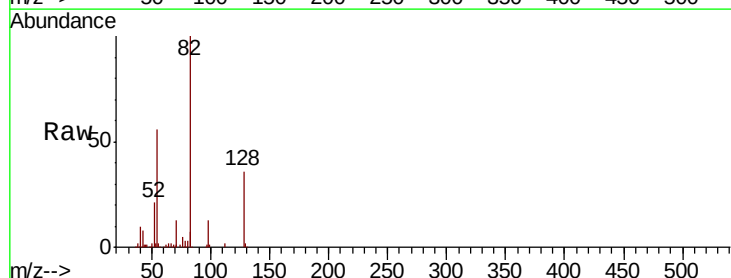
Instrument :
BNA_G
ClientSampleId :
CONCRETE-2

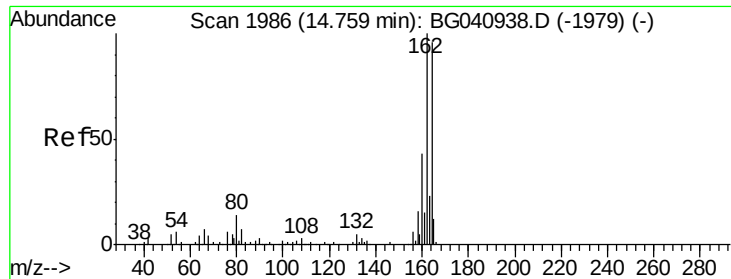
Tgt Ion:	136	Resp:	144658
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	9.5	7.6	11.4
68	4.4	3.9	5.9



#23
Nitrobenzene-d5
Concen: 77.305 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041243.D
Acq: 14 Jun 2019 5:40

Tgt Ion:	82	Resp:	251902
Ion	Ratio	Lower	Upper
82	100		
128	36.4	30.5	45.7
54	55.9	44.6	66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE-2

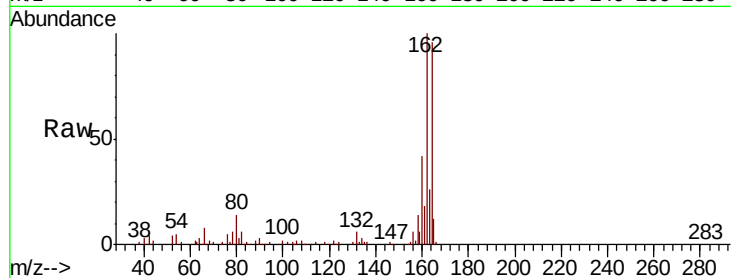
Tgt Ion:164 Resp: 106060

Ion Ratio Lower Upper

164 100

162 103.9 83.0 124.4

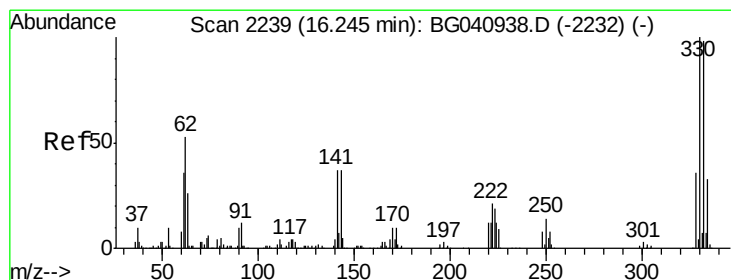
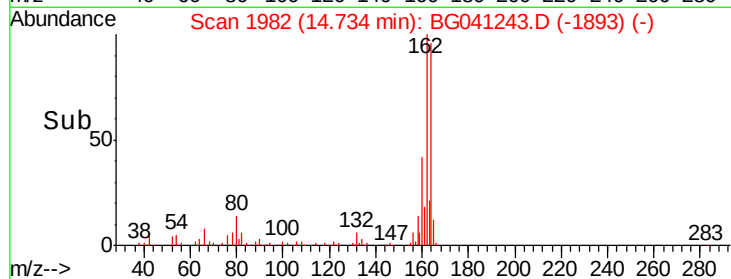
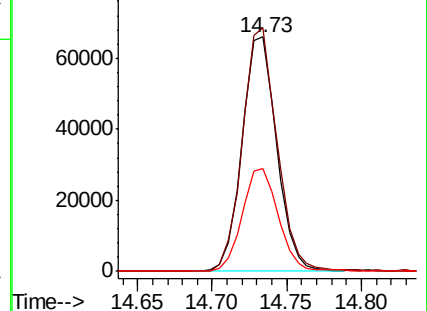
160 44.0 35.6 53.4



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: 83.789 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

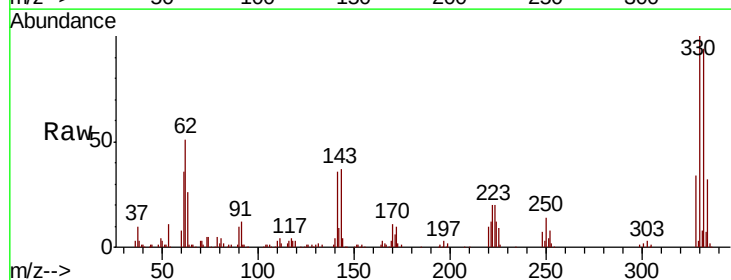
Tgt Ion:330 Resp: 131928

Ion Ratio Lower Upper

330 100

332 91.6 78.5 117.7

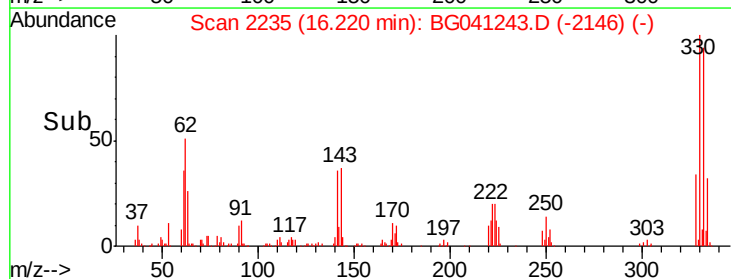
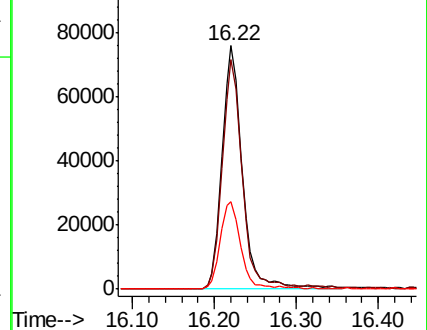
141 36.5 28.7 43.1

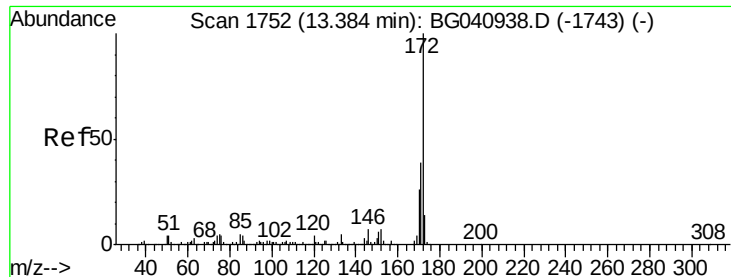


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

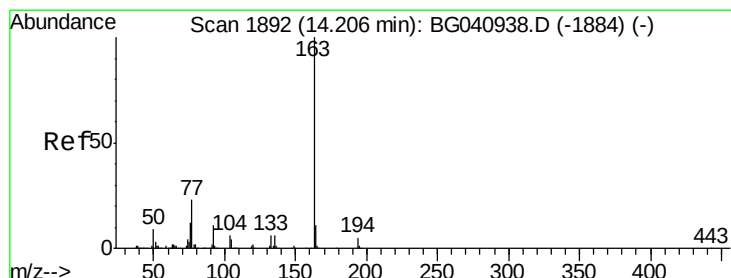
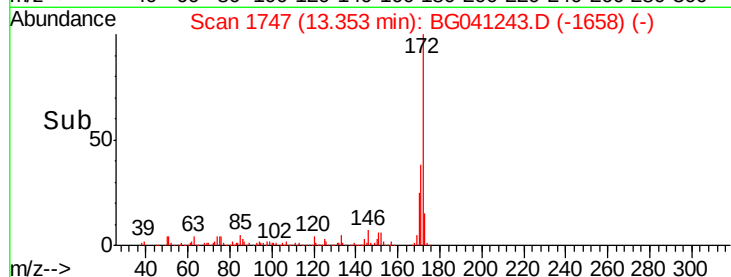
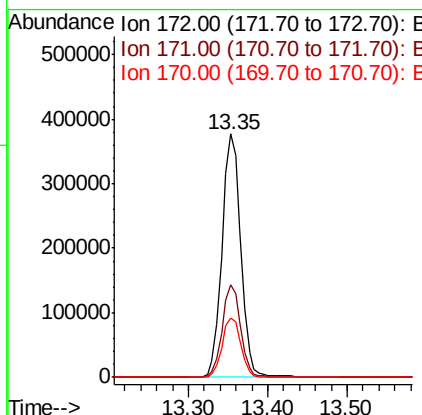
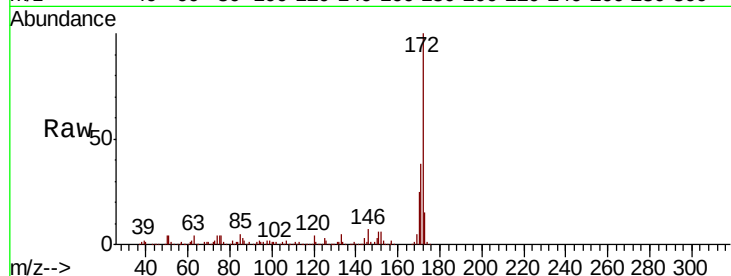




#45
2-Fluorobiphenyl
Concen: 83.995 ng
RT: 13.35 min Scan# 1747
Delta R.T. -0.00 min
Lab File: BG041243.D
Acq: 14 Jun 2019 5:40

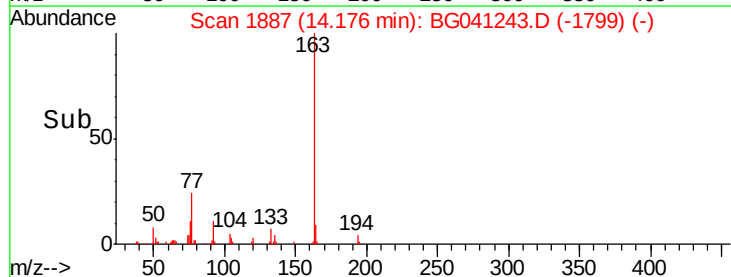
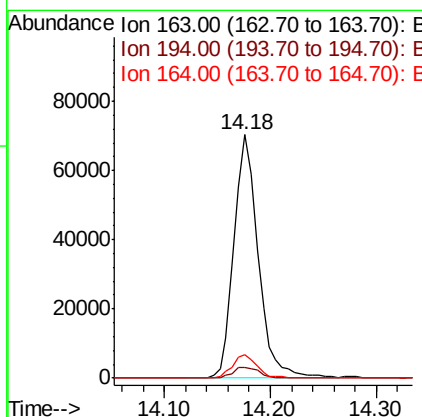
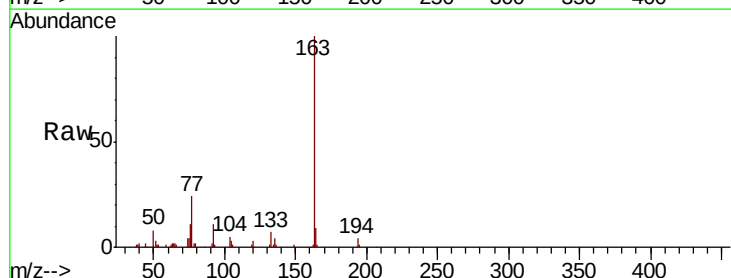
Instrument :
BNA_G
ClientSampleId :
CONCRETE-2

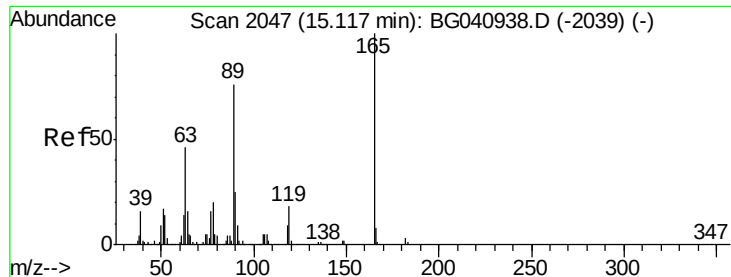
Tgt Ion:	172	Resp:	618604
Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.1	46.7
170	24.5	20.5	30.7



#50
Dimethylphthalate
Concen: 12.431 ng
RT: 14.18 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BG041243.D
Acq: 14 Jun 2019 5:40

Tgt Ion:	163	Resp:	111608
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.8	5.8
164	9.4	8.7	13.1





#57

2,4-Dinitrotoluene

Concen: 5.048 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.37 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE-2

Tgt Ion:165 Resp: 13802

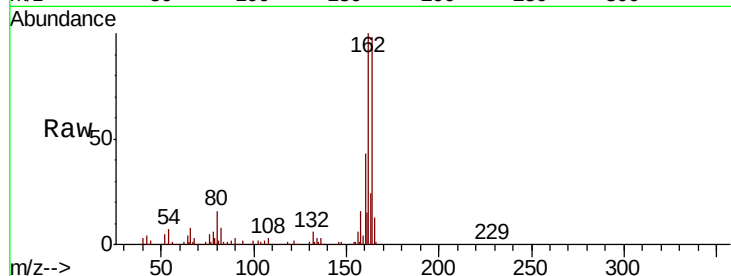
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 2.6 61.0 91.6#

182 0.0 2.2 3.2#

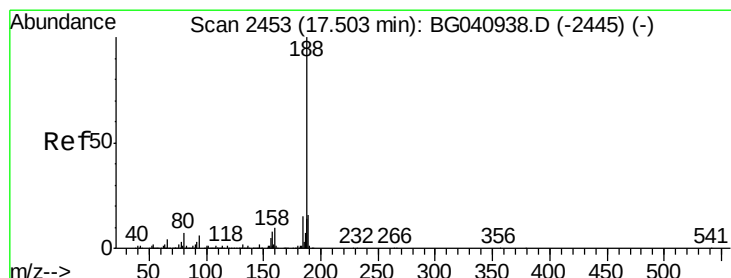
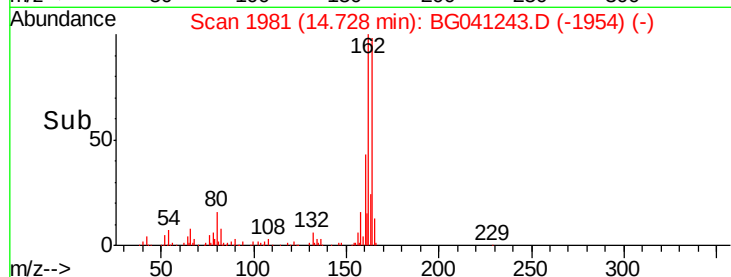
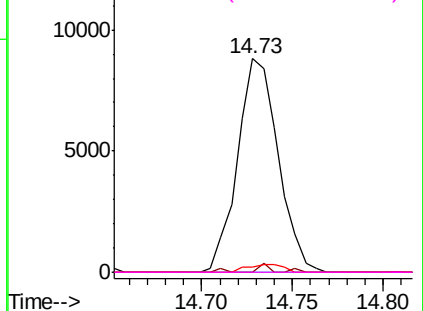


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

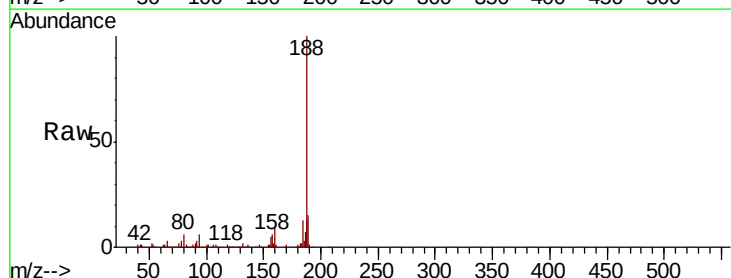
Tgt Ion:188 Resp: 253680

Ion Ratio Lower Upper

188 100

94 6.4 4.7 7.1

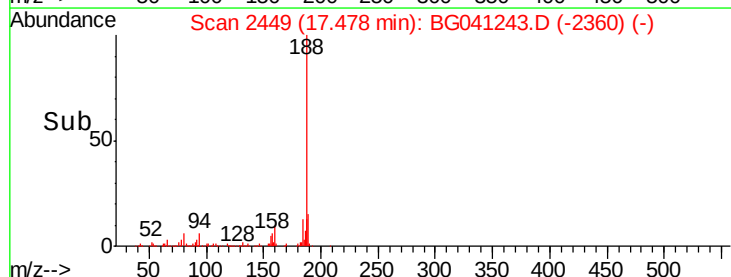
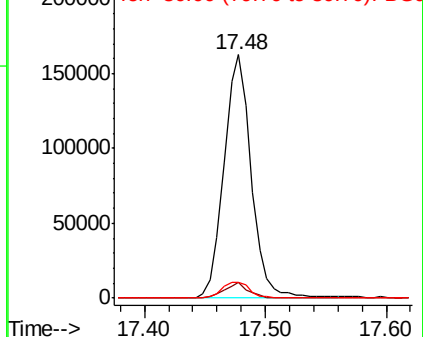
80 6.4 5.8 8.8

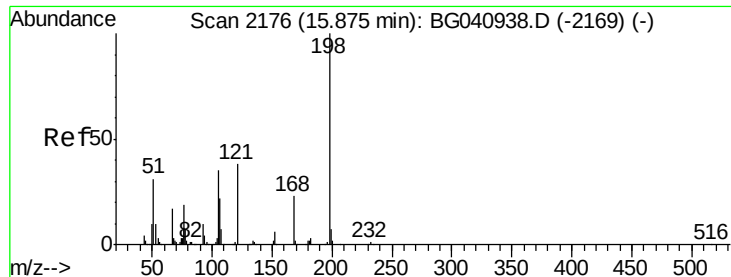


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.759 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.37 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE-2

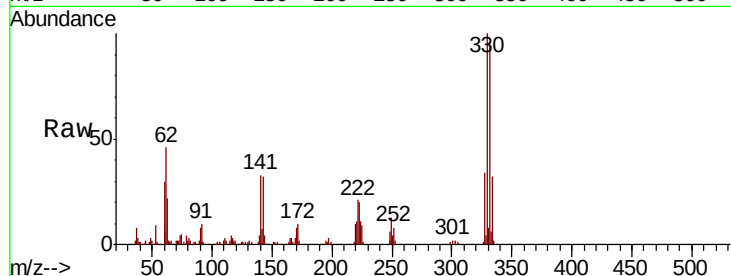
Tgt Ion:198 Resp: 281

Ion Ratio Lower Upper

198 100

51 115.9 21.6 61.6#

105 116.4 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

800

600

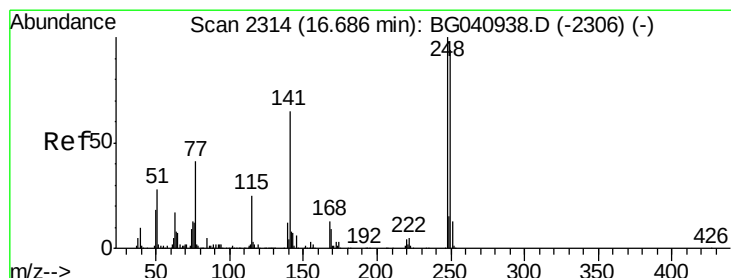
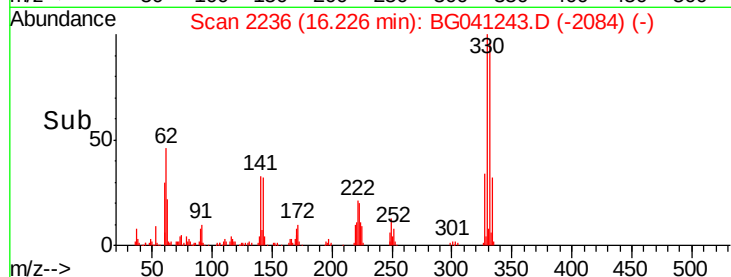
400

200

0

16.18 16.20 16.22 16.24

Time-->



#67

4-Bromophenyl-phenylether

Concen: 2.701 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

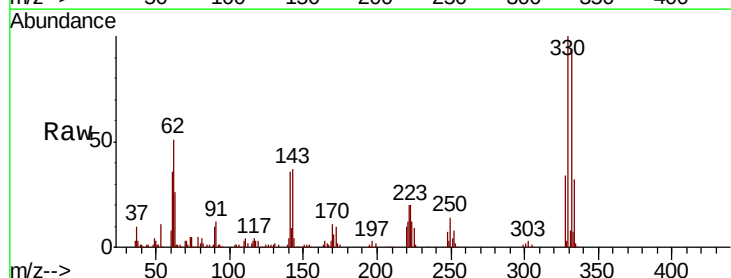
Tgt Ion:248 Resp: 9246

Ion Ratio Lower Upper

248 100

250 185.7 75.0 112.4#

141 481.0 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

30000

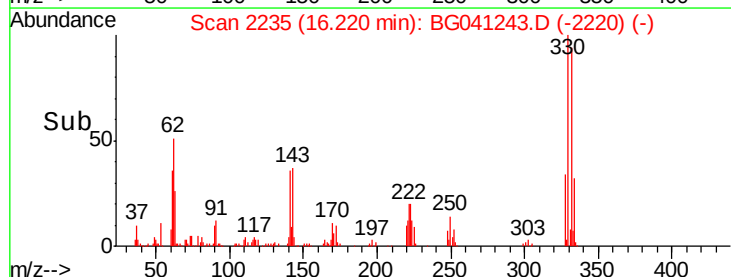
20000

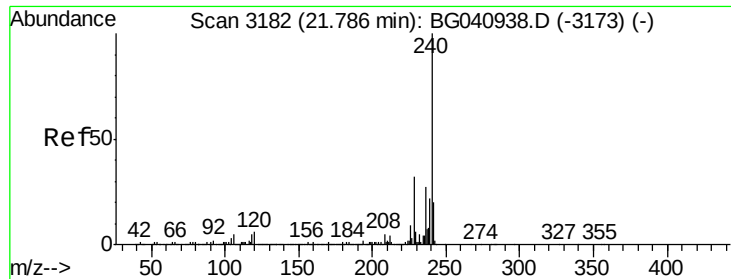
10000

0

16.15 16.20 16.25

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.00 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE-2

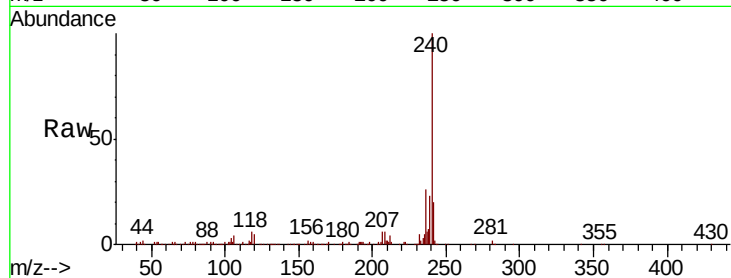
Tgt Ion:240 Resp: 238798

Ion Ratio Lower Upper

240 100

120 4.8 4.5 6.7

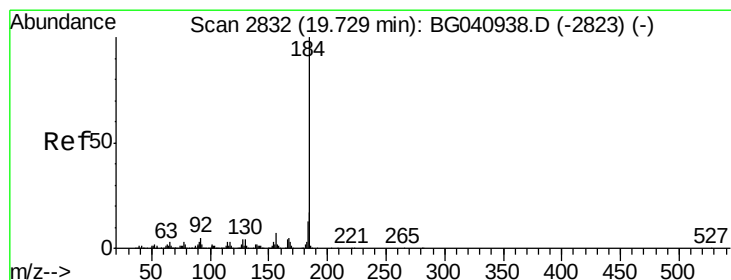
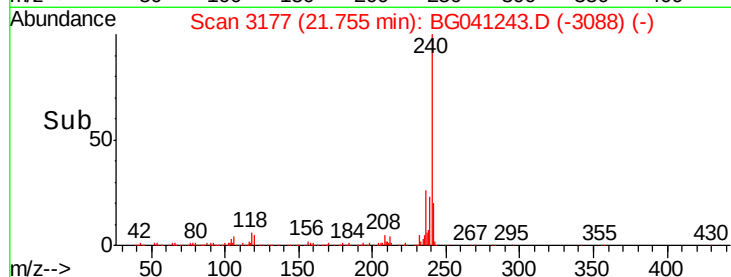
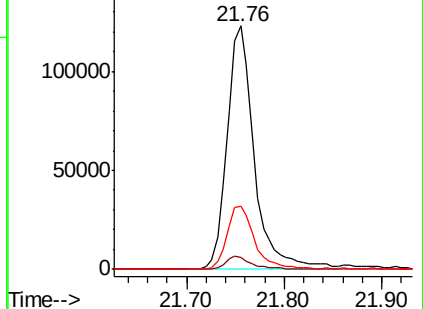
236 25.8 21.3 31.9



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: 3.129 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.36 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

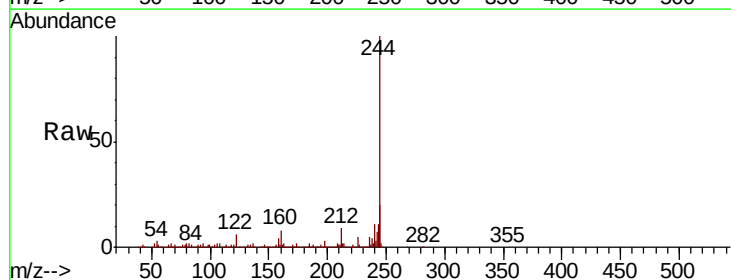
Tgt Ion:184 Resp: 17823

Ion Ratio Lower Upper

184 100

185 12.9 13.3 19.9#

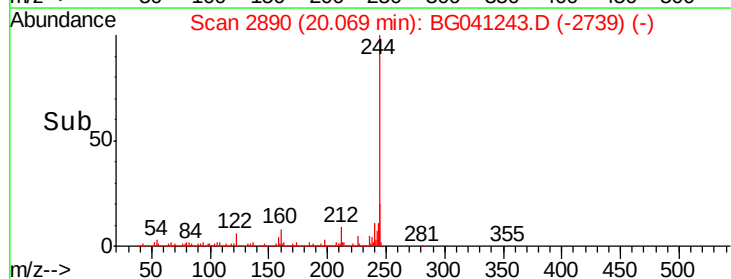
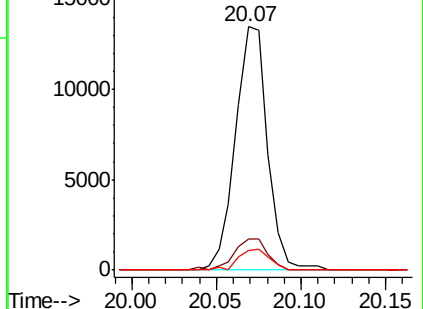
183 8.2 10.7 16.1#

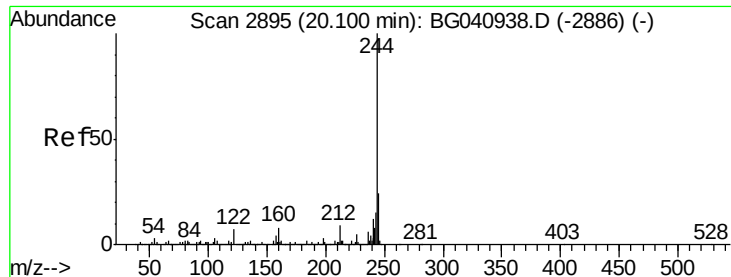


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 91.971 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.00 min

Lab File: BG041243.D

Acq: 14 Jun 2019 5:40

Instrument :

BNA_G

ClientSampleId :

CONCRETE-2

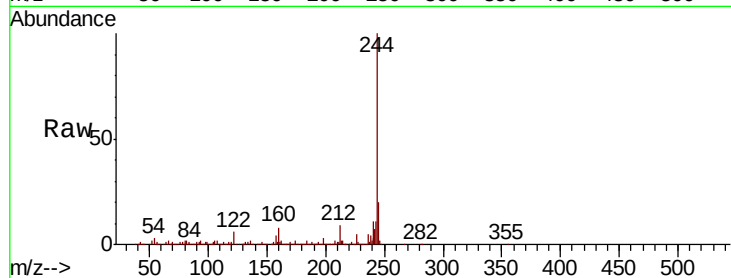
Tgt Ion:244 Resp: 1034820

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.4

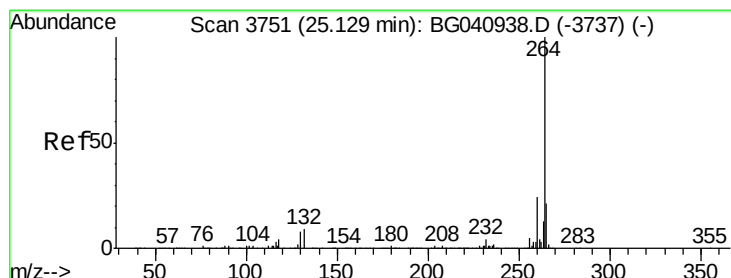
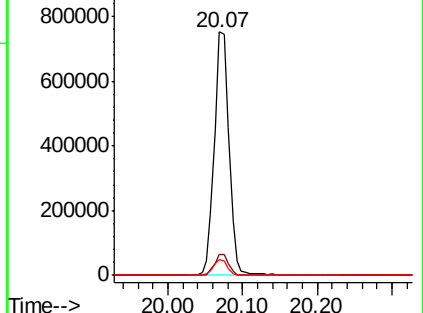
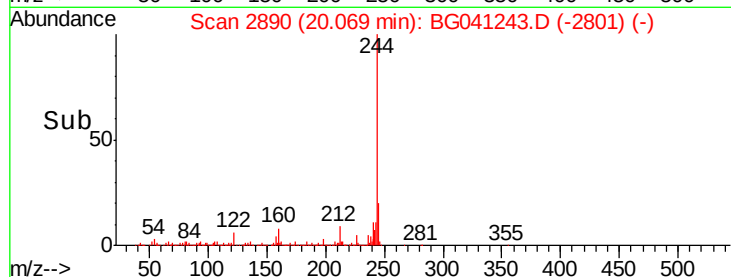
122 6.4 5.4 8.0



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: BG041243.D

Acq: 14 Jun 2019 5:40

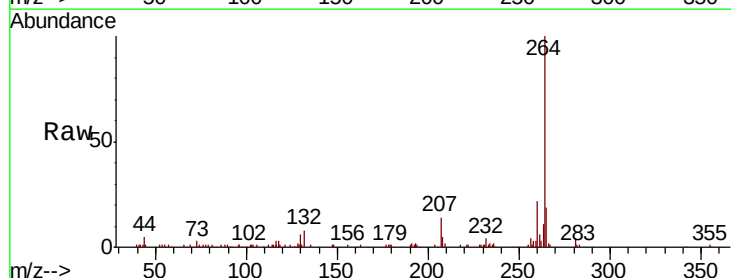
Tgt Ion:264 Resp: 198751

Ion Ratio Lower Upper

264 100

260 22.1 19.0 28.4

265 19.0 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

