

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032619\
 Data File : BG040160.D
 Acq On : 26 Mar 2019 23:38
 Operator : JU/SJ
 Sample : K2099-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-C02-SETTLED-1H-A

Quant Time: Mar 27 01:27:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	45859	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	226055	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	121441	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	281753	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	281042	20.00	ng	-0.03
87) Perylene-d12	25.15	264	289889	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	128182	47.69	ng	-0.02
7) Phenol-d6	7.28	99	118466	29.56	ng	-0.03
23) Nitrobenzene-d5	9.32	82	338056	80.88	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	139093	98.27	ng	-0.03
45) 2-Fluorobiphenyl	13.39	172	773697	90.71	ng	-0.03
79) Terphenyl-d14	20.10	244	1015768	79.58	ng	-0.02

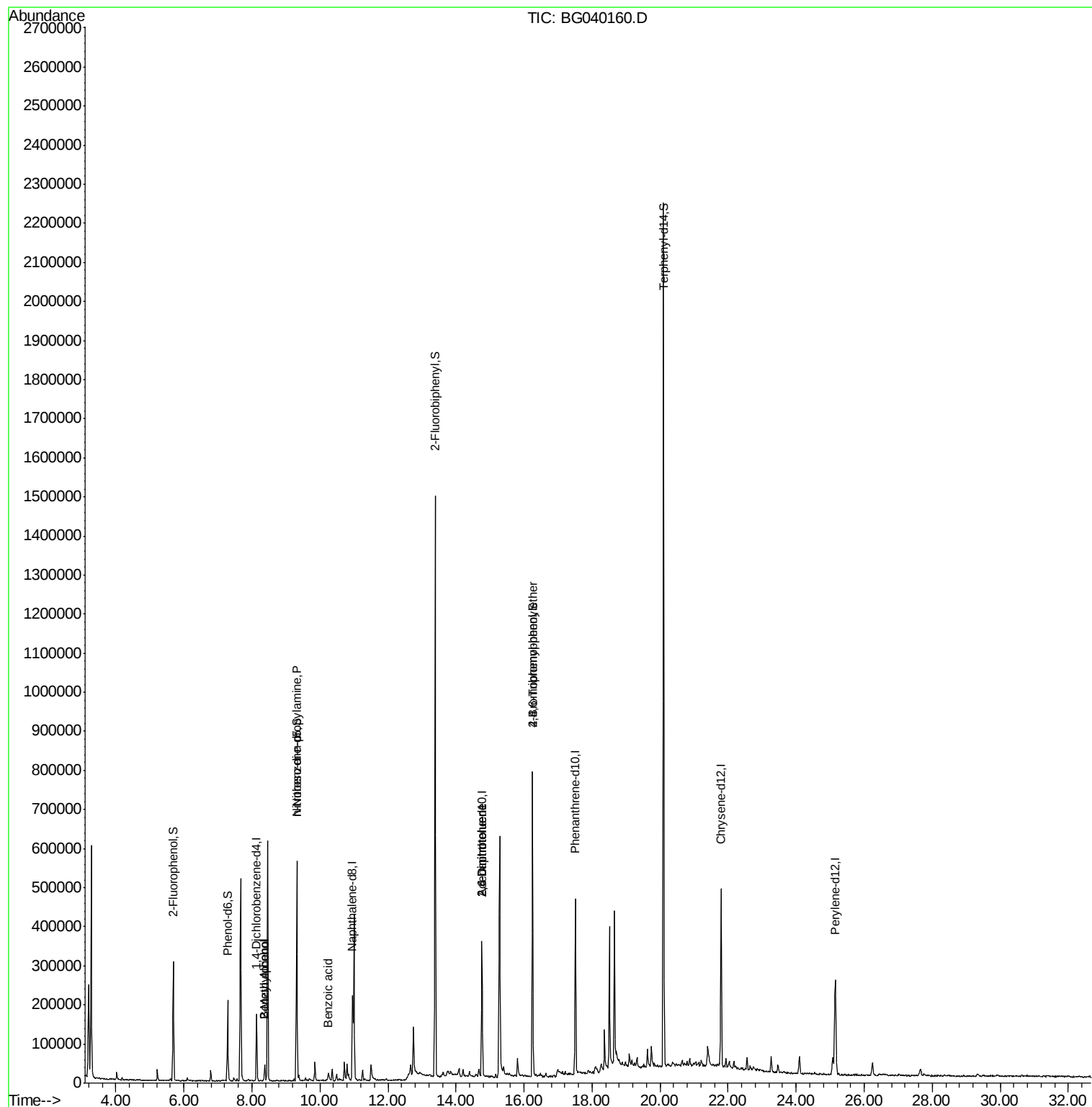
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.38	79	17240	5.422	ng	96
17) 2-Methylphenol	8.38	107	8415	3.039	ng	# 23
19) n-Nitroso-di-n-propylamine	9.32	70	44099	15.286	ng	# 68
32) Benzoic acid	10.25	122	1365	7.119	ng	# 48
51) 2,6-Dinitrotoluene	14.76	165	16197	7.524	ng	# 26
57) 2,4-Dinitrotoluene	14.76	165	16197	5.355	ng	# 21
67) 4-Bromophenyl-phenylether	16.26	248	10813	3.429	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: BG040160.D

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Instrument :

BNA_G

ClientSampleId :

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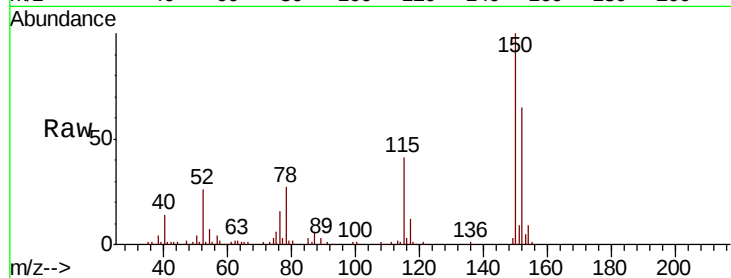
Tgt Ion:152 Resp: 45859

Ion Ratio Lower Upper

152 100

150 154.1 123.7 185.5

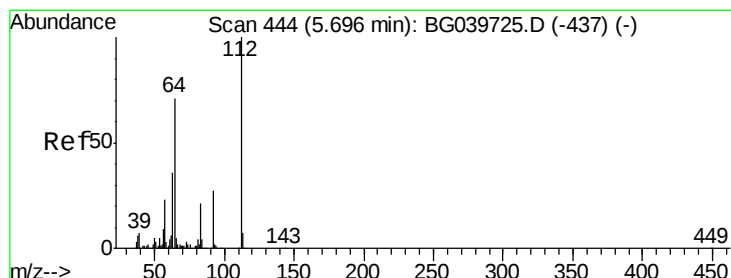
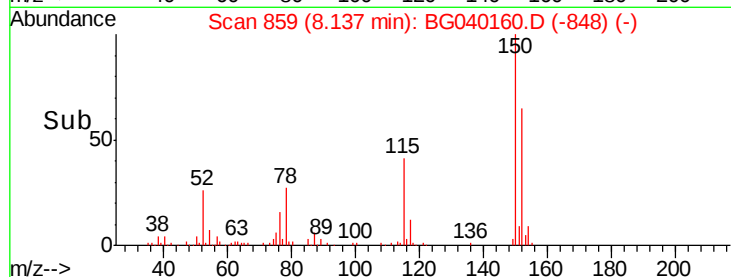
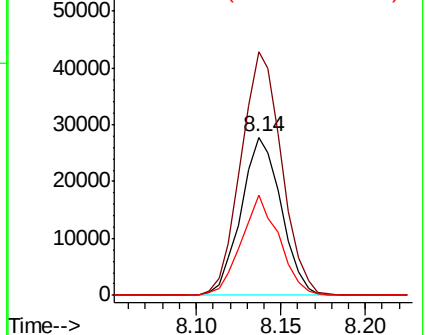
115 63.7 45.9 68.9



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: 47.685 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040160.D

Acq: 26 Mar 2019 23:38

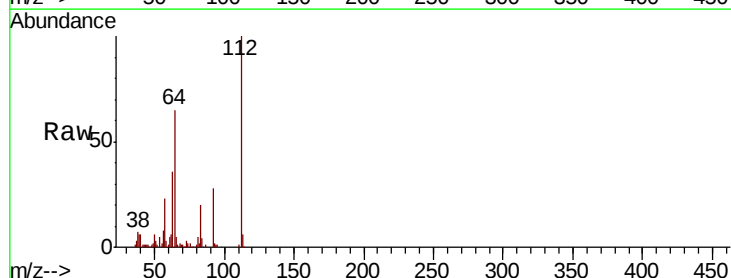
Tgt Ion:112 Resp: 128182

Ion Ratio Lower Upper

112 100

64 65.0 57.8 86.8

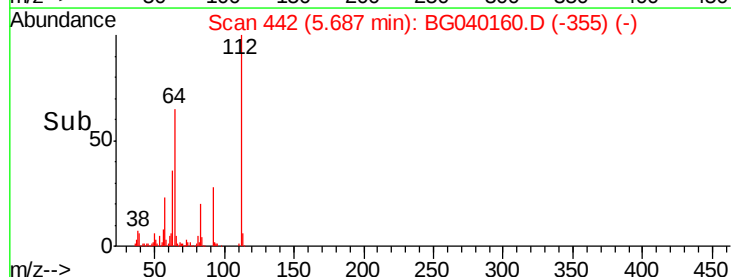
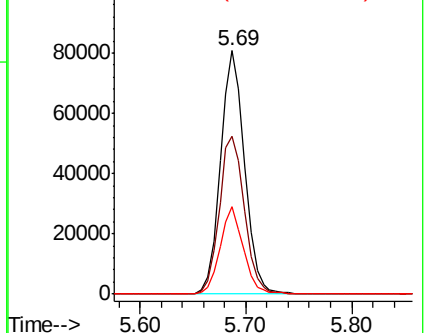
63 35.8 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 29.557 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG040160.D

Acq: 26 Mar 2019 23:38

Instrument :

BNA_G

ClientSampleId :

MH-C02-SETTLED-1H-A

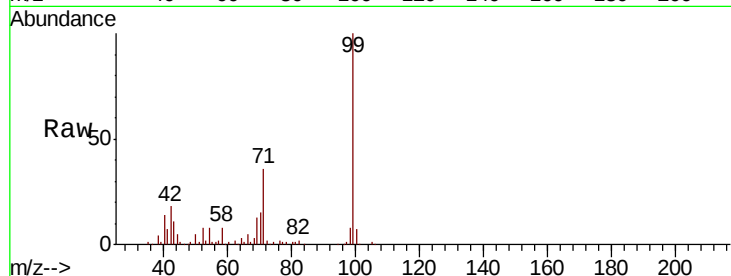
Tgt Ion: 99 Resp: 118466

Ion Ratio Lower Upper

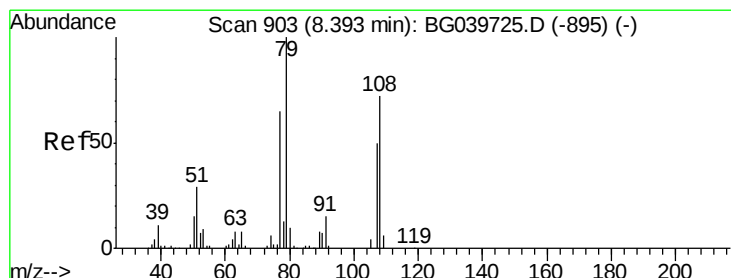
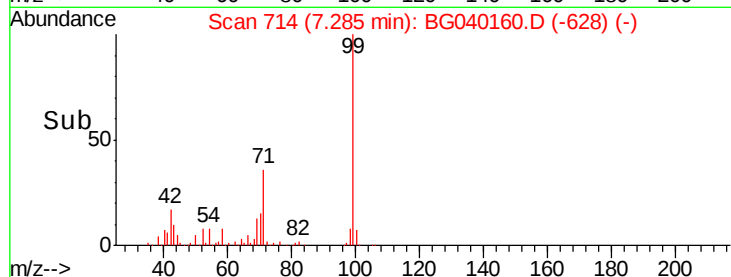
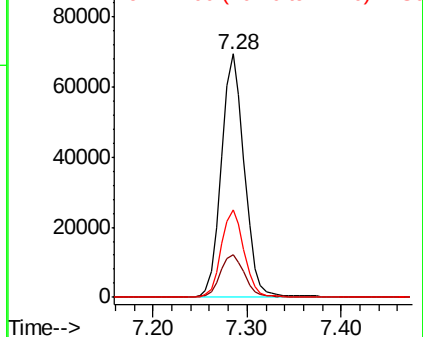
99 100

42 17.7 18.2 27.2#

71 35.7 28.0 42.0



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



#15

Benzyl Alcohol

Concen: 5.422 ng

RT: 8.38 min Scan# 900

Delta R.T. -0.03 min

Lab File: BG040160.D

Acq: 26 Mar 2019 23:38

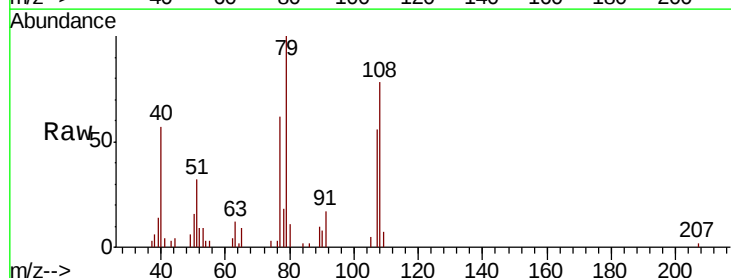
Tgt Ion: 79 Resp: 17240

Ion Ratio Lower Upper

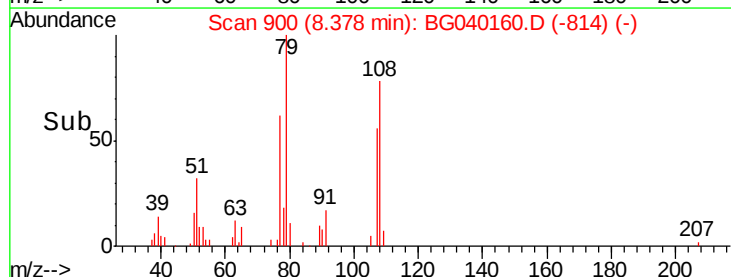
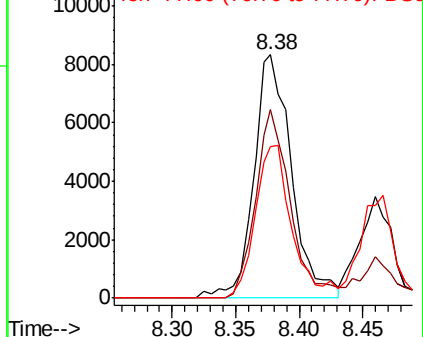
79 100

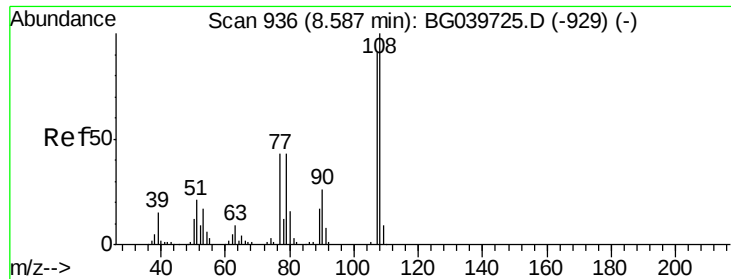
108 77.7 57.8 86.6

77 62.4 51.1 76.7



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

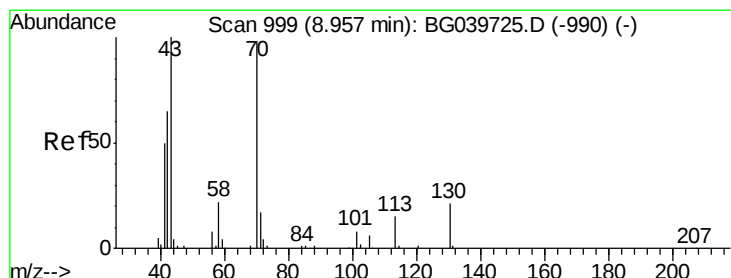
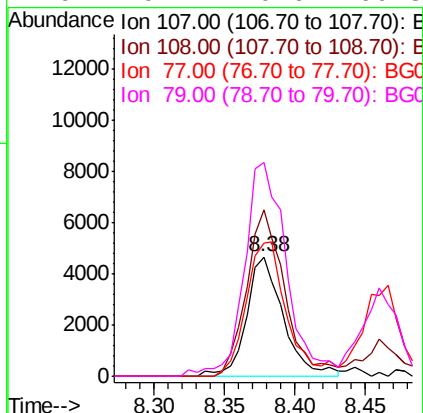
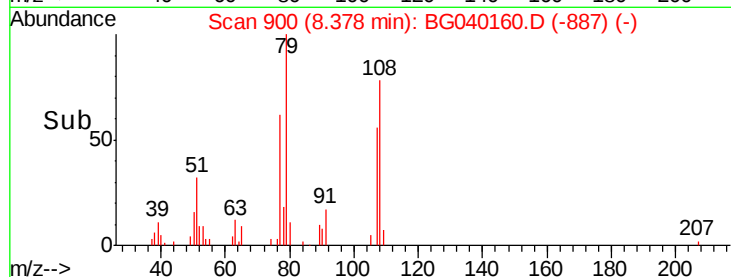
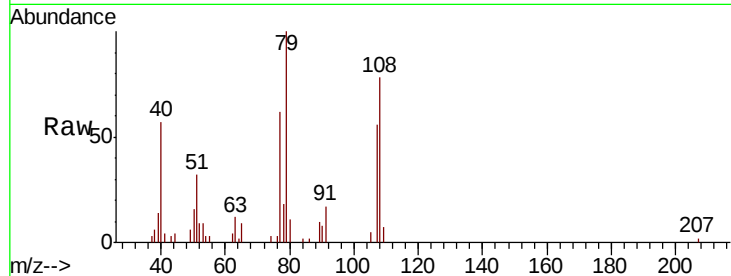




#17
2-Methylphenol
Concen: 3.039 ng
RT: 8.38 min Scan# 900
Delta R.T. -0.22 min
Lab File: BG040160.D
Acq: 26 Mar 2019 23:38

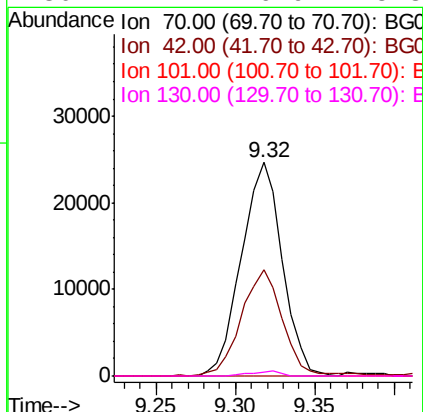
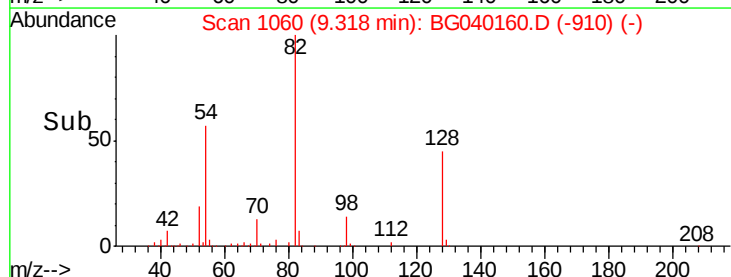
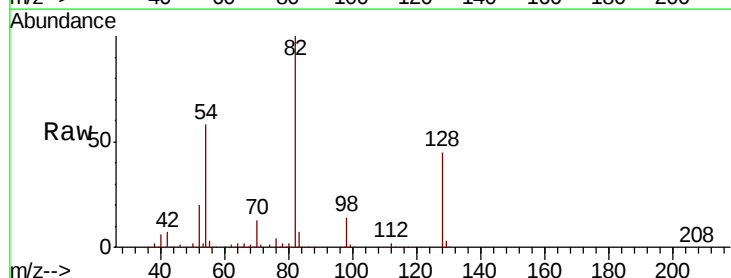
Instrument :
BNA_G
ClientSampleId :
MH-C02-SETTLED-1H-A

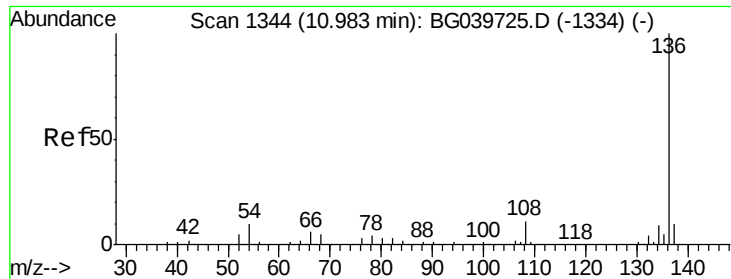
Tgt Ion	Ratio	Lower	Upper
107	100		
108	139.3	90.8	136.2#
77	112.0	40.7	61.1#
79	179.4	40.6	60.8#



#19
n-Nitroso-di-n-propylamine
Concen: 15.286 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040160.D
Acq: 26 Mar 2019 23:38

Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.7	60.4	90.6#
101	0.0	7.5	11.3#
130	1.7	16.9	25.3#

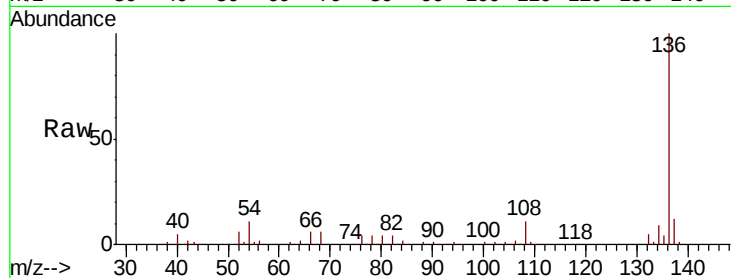




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040160.D
Acq: 26 Mar 2019 23:38

Instrument :
BNA_G
ClientSampleId :
MH-C02-SETTLED-1H-A

Tgt Ion:	136	Resp:	226055
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.0	9.4	14.2
68	6.0	4.2	6.4



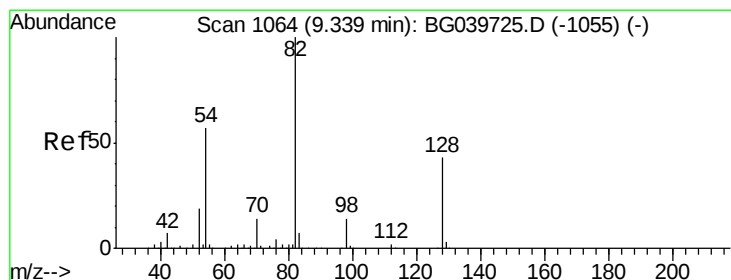
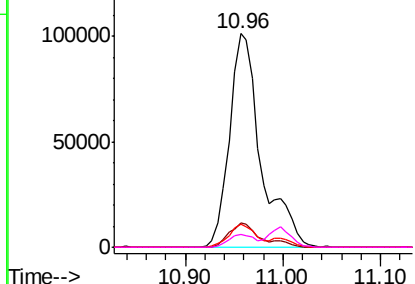
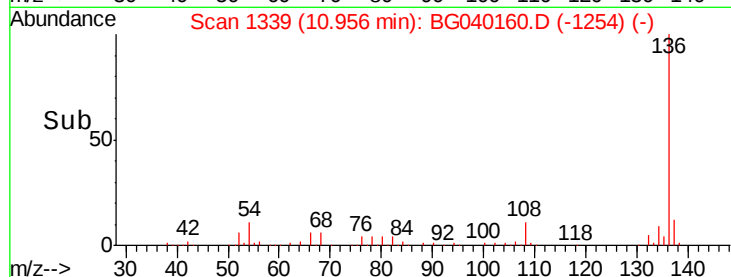
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

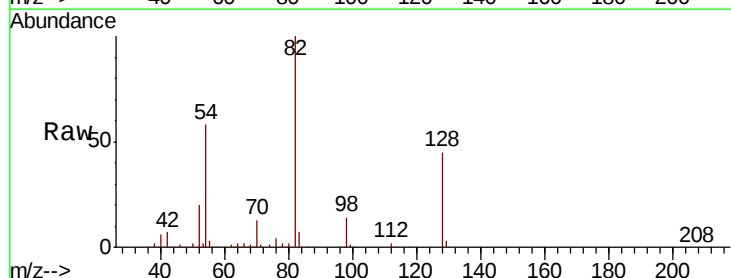
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 80.880 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BG040160.D
Acq: 26 Mar 2019 23:38

Tgt Ion:	82	Resp:	338056
Ion	Ratio	Lower	Upper
82	100		
128	44.5	31.3	46.9
54	57.9	50.9	76.3

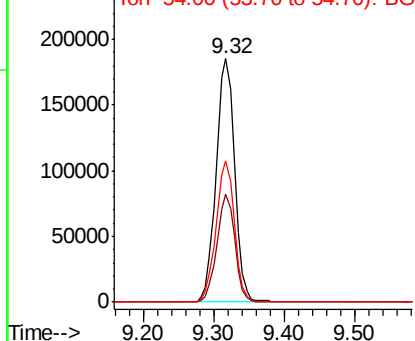
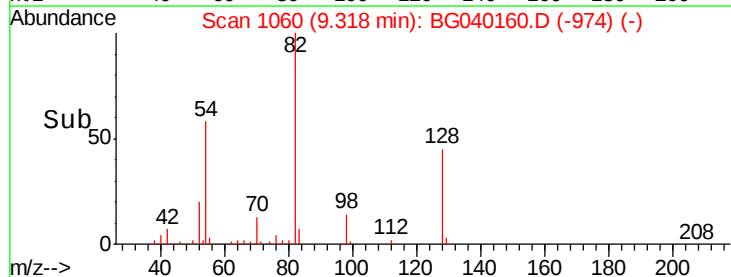


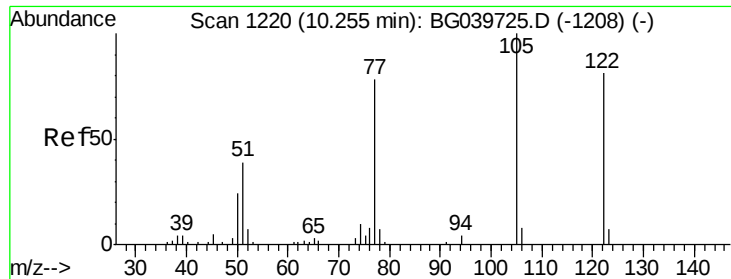
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 7.119 ng

RT: 10.25 min Scan# 1218

Delta R.T. -0.02 min

Lab File: BG040160.D

Acq: 26 Mar 2019 23:38

Instrument :

BNA_G

ClientSampleId :

MH-C02-SETTLED-1H-A

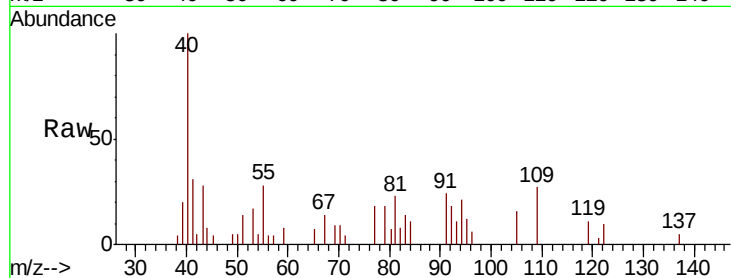
Tgt Ion:122 Resp: 1365

Ion Ratio Lower Upper

122 100

105 157.7 101.8 141.8#

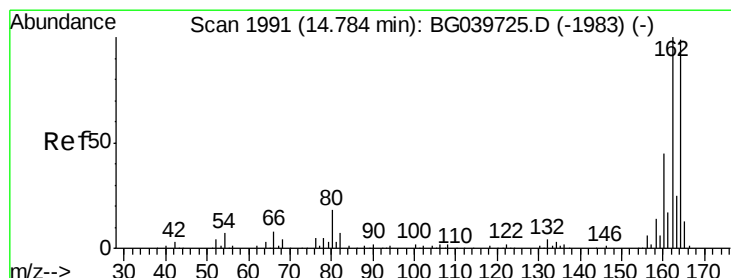
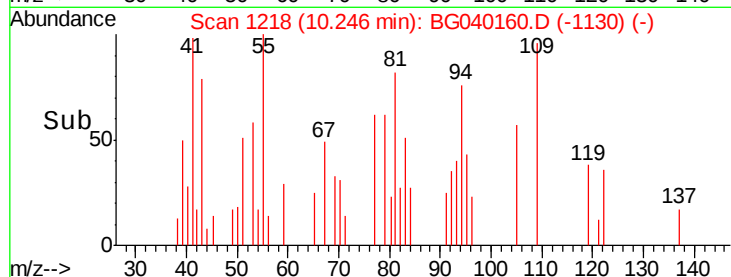
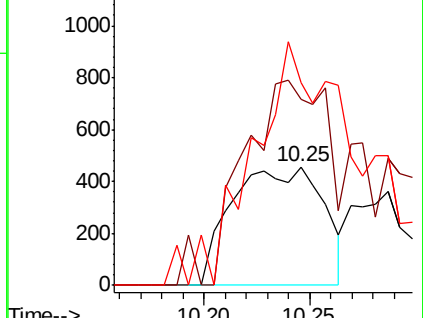
77 171.5 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040160.D

Acq: 26 Mar 2019 23:38

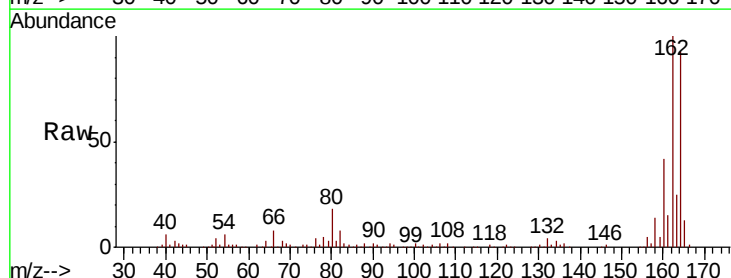
Tgt Ion:164 Resp: 121441

Ion Ratio Lower Upper

164 100

162 107.6 81.6 122.4

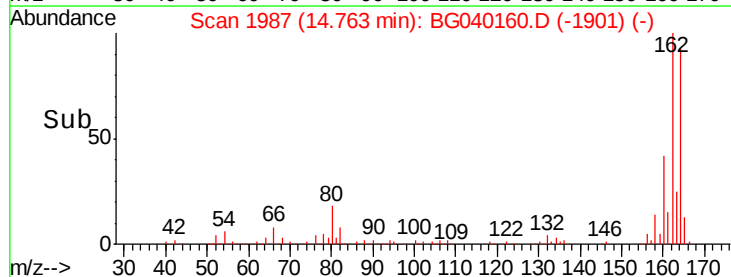
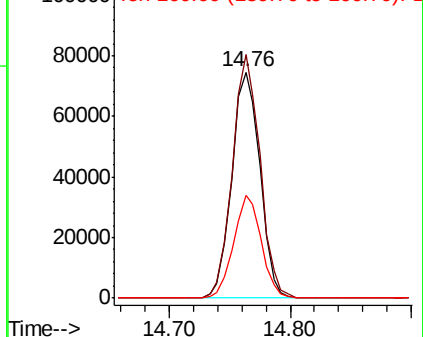
160 45.4 34.2 51.2

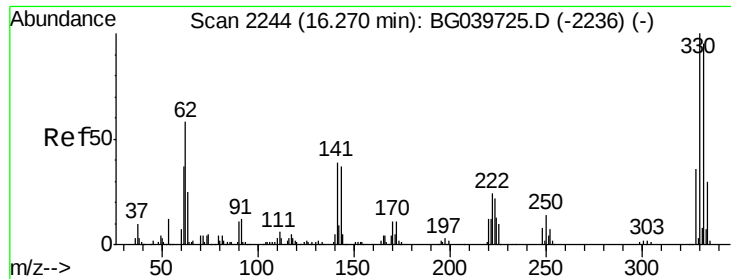


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

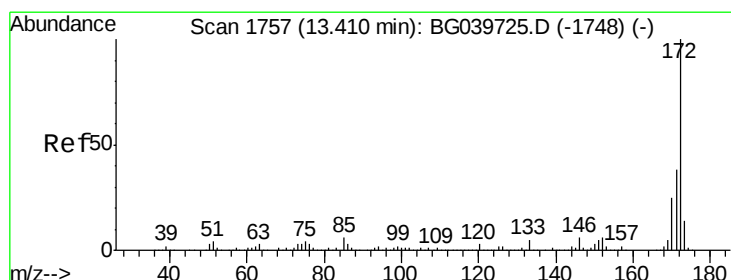
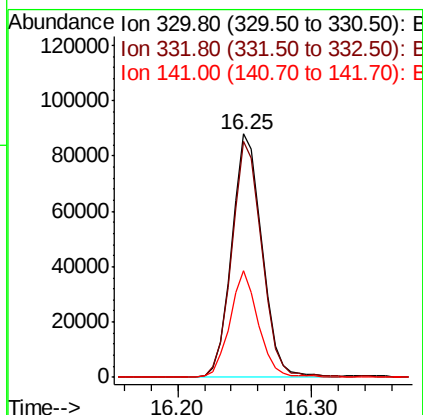
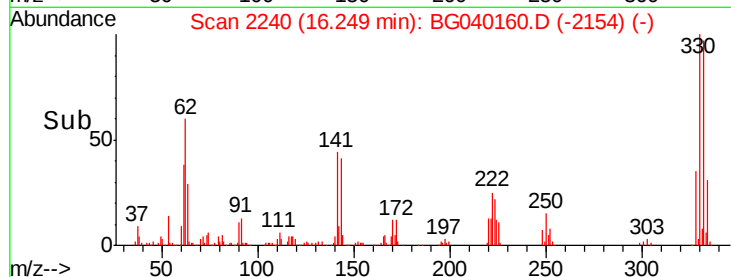
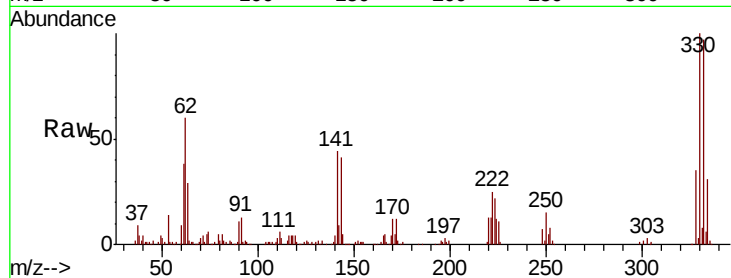




#42
 2,4,6-Tribromophenol
 Concen: 98.265 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.03 min
 Lab File: BG040160.D
 Acq: 26 Mar 2019 23:38

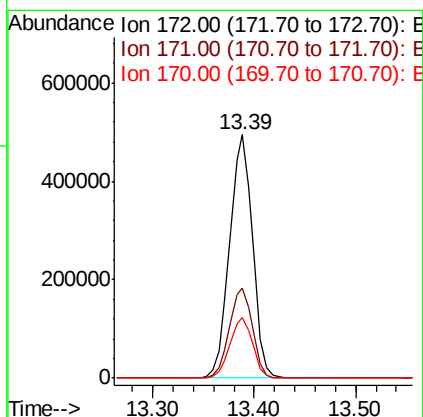
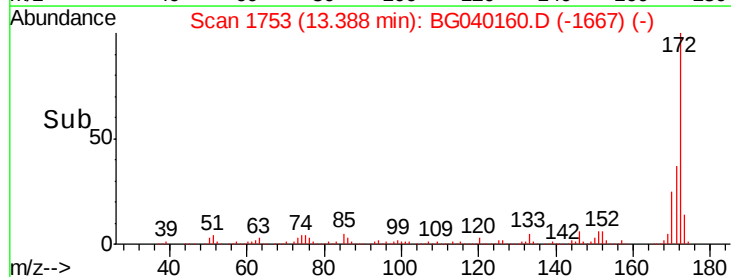
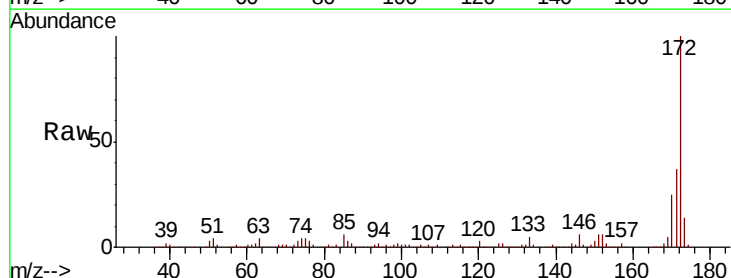
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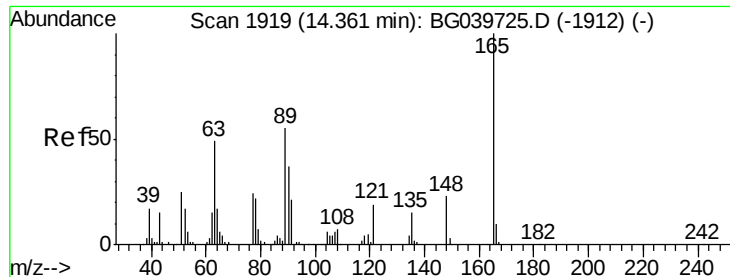
Tgt Ion:330 Resp: 139093
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.7 113.5
 141 41.3 35.6 53.4



#45
 2-Fluorobiphenyl
 Concen: 90.712 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040160.D
 Acq: 26 Mar 2019 23:38

Tgt Ion:172 Resp: 773697
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.8 46.2
 170 25.0 20.2 30.4





#51

2,6-Dinitrotoluene

Concen: 7.524 ng

RT: 14.76 min Scan# 1987

Delta R.T. 0.40 min

Lab File: BG040160.D

Acq: 26 Mar 2019 23:38

Instrument :

BNA_G

ClientSampleId :

MH-C02-SETTLED-1H-A

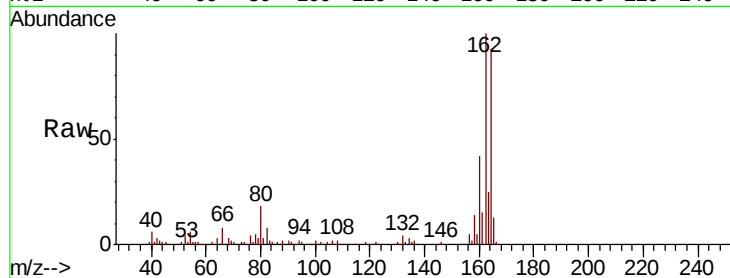
Tgt Ion:165 Resp: 16197

Ion Ratio Lower Upper

165 100

63 2.2 47.0 70.6#

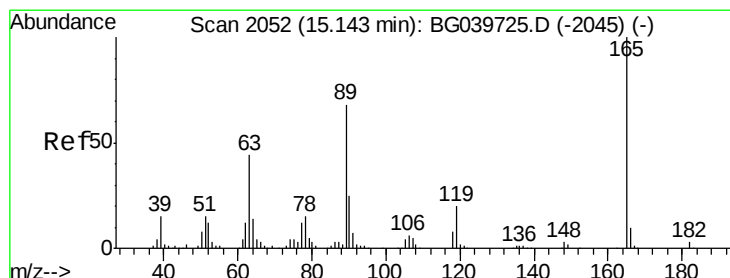
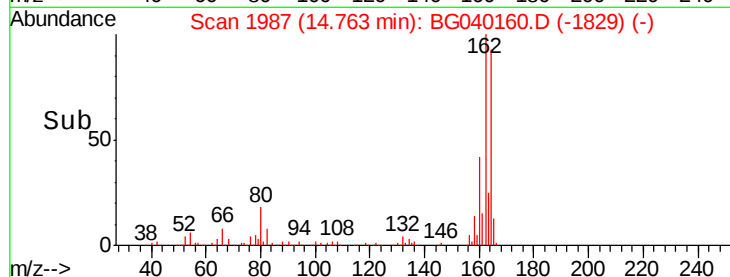
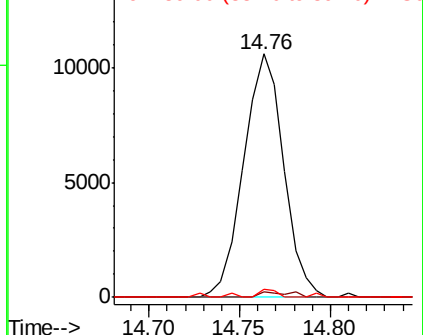
89 3.4 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 5.355 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.39 min

Lab File: BG040160.D

Acq: 26 Mar 2019 23:38

Tgt Ion:165 Resp: 16197

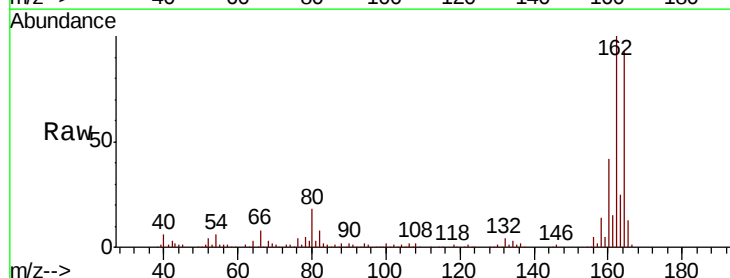
Ion Ratio Lower Upper

165 100

63 2.2 41.0 61.6#

89 3.4 64.6 96.8#

182 0.0 2.0 3.0#

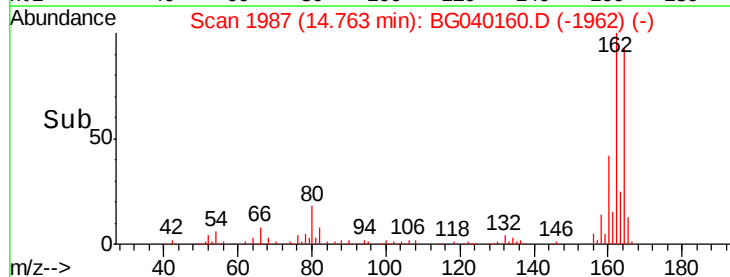
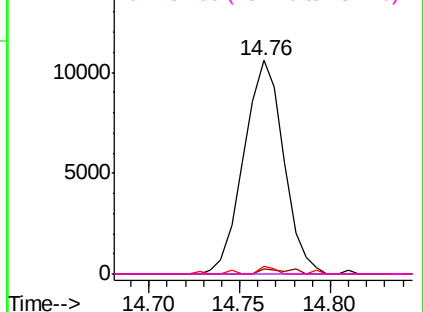


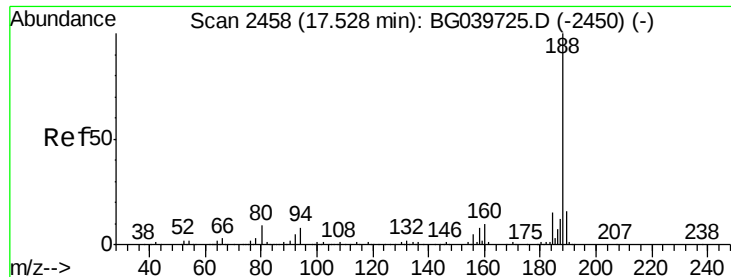
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.51 min Scan# 2454

Delta R.T. -0.03 min

Lab File: BG040160.D

Acq: 26 Mar 2019 23:38

Instrument :

BNA_G

ClientSampleId :

MH-C02-SETTLED-1H-A

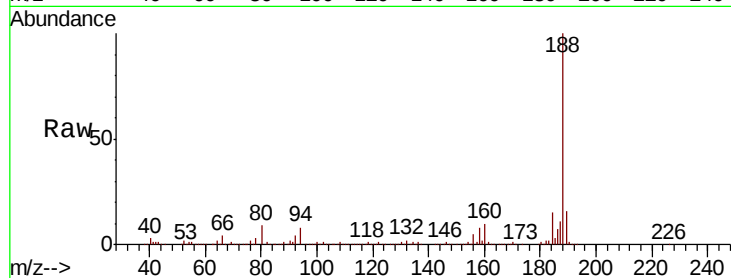
Tgt Ion:188 Resp: 281753

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

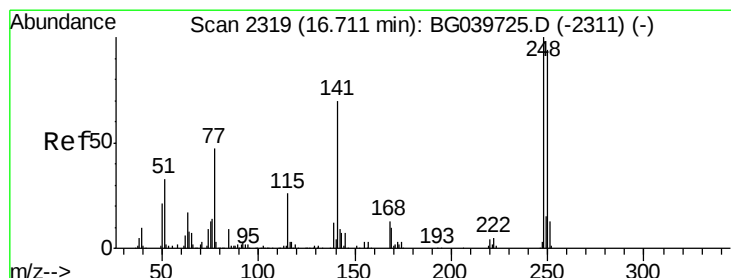
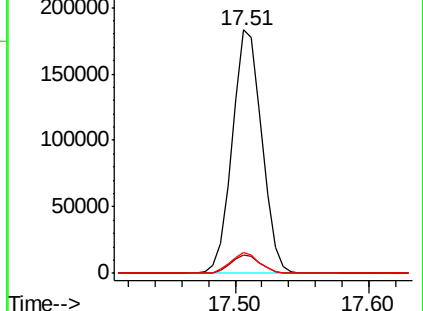
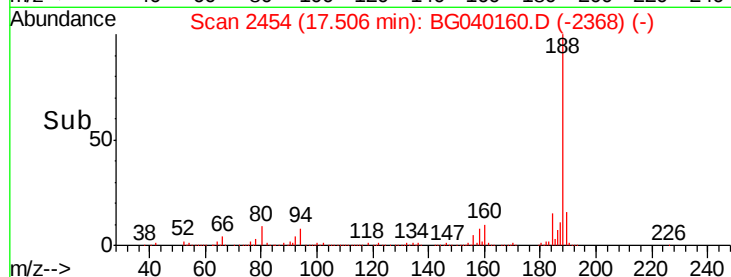
80 8.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 3.429 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040160.D

Acq: 26 Mar 2019 23:38

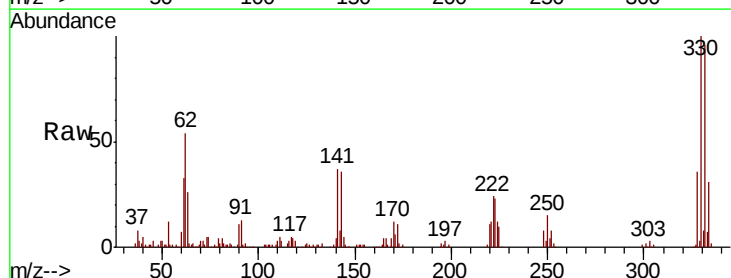
Tgt Ion:248 Resp: 10813

Ion Ratio Lower Upper

248 100

250 176.4 77.6 116.4#

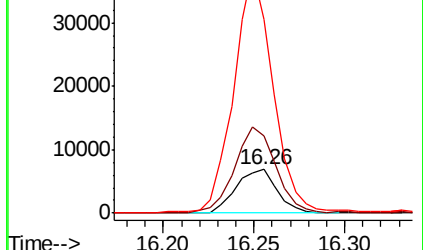
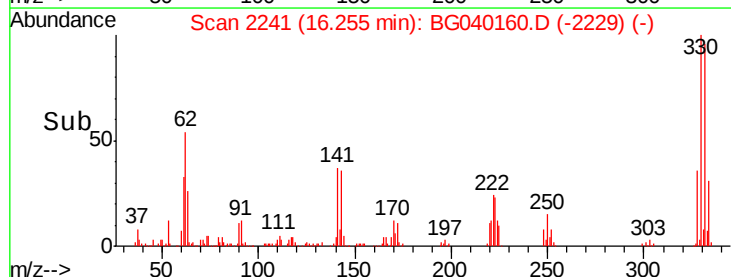
141 442.6 63.9 95.9#

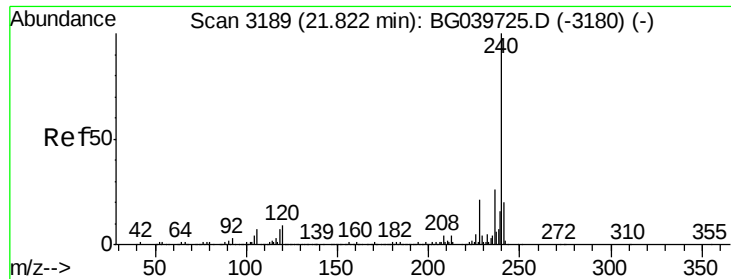


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

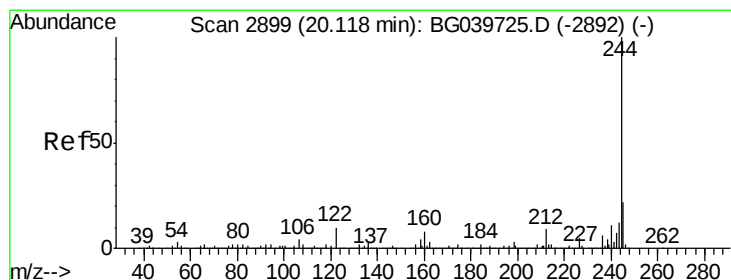
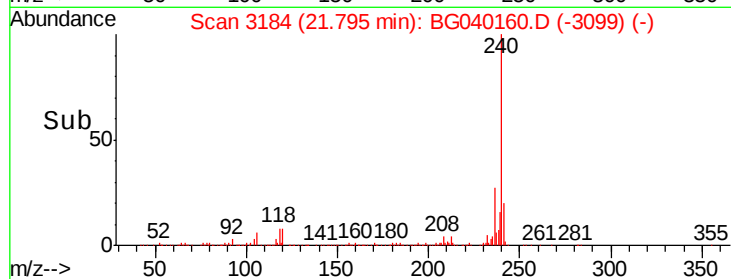
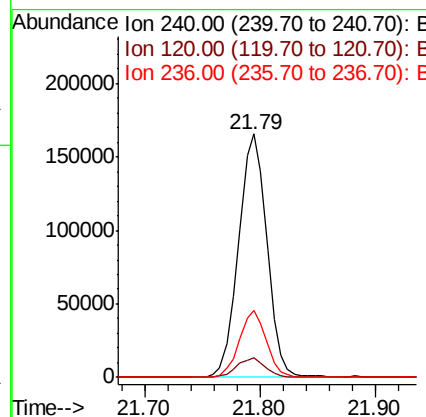
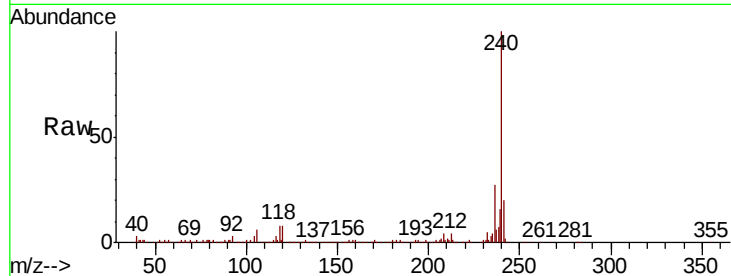




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040160.D
 Acq: 26 Mar 2019 23:38

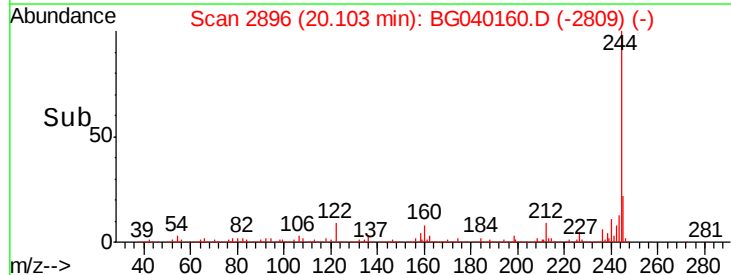
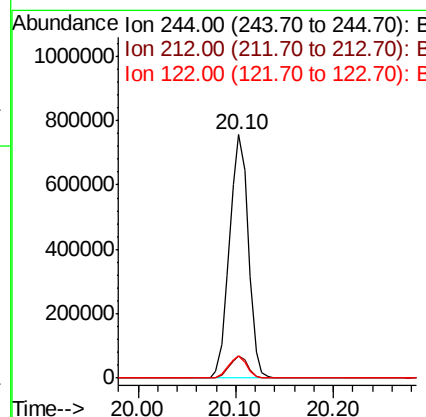
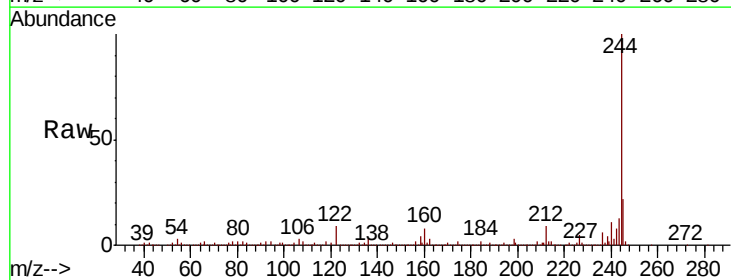
Instrument :
 BNA_G
 ClientSampleId :
 MH-C02-SETTLED-1H-A

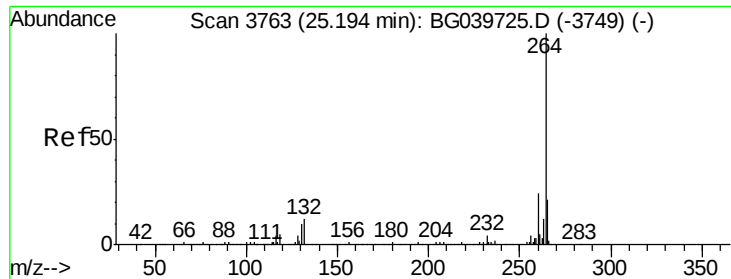
Tgt Ion:240 Resp: 281042
 Ion Ratio Lower Upper
 240 100
 120 8.1 7.0 10.6
 236 27.5 21.0 31.4



#79
 Terphenyl-d14
 Concen: 79.580 ng
 RT: 20.10 min Scan# 2896
 Delta R.T. -0.02 min
 Lab File: BG040160.D
 Acq: 26 Mar 2019 23:38

Tgt Ion:244 Resp: 1015768
 Ion Ratio Lower Upper
 244 100
 212 9.0 7.3 10.9
 122 9.0 8.4 12.6





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040160.D

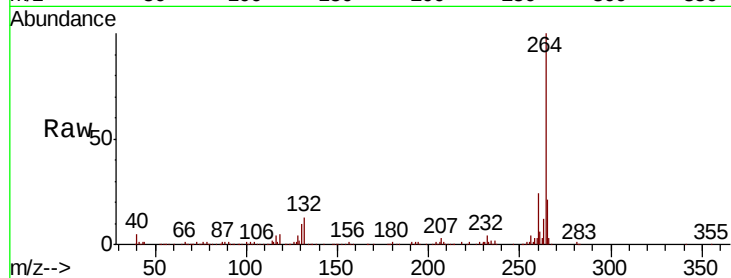
Acq: 26 Mar 2019 23:38

Instrument :

BNA_G

ClientSampleId :

MH-C02-SETTLED-1H-A



Tgt Ion: 264 Resp: 289889

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 21.3 18.5 27.7

