

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032619\
 Data File : BG040161.D
 Acq On : 27 Mar 2019 00:19
 Operator : JU/SJ
 Sample : K2099-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-CLVRT-STLD-2H-B

Quant Time: Mar 27 01:27:37 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

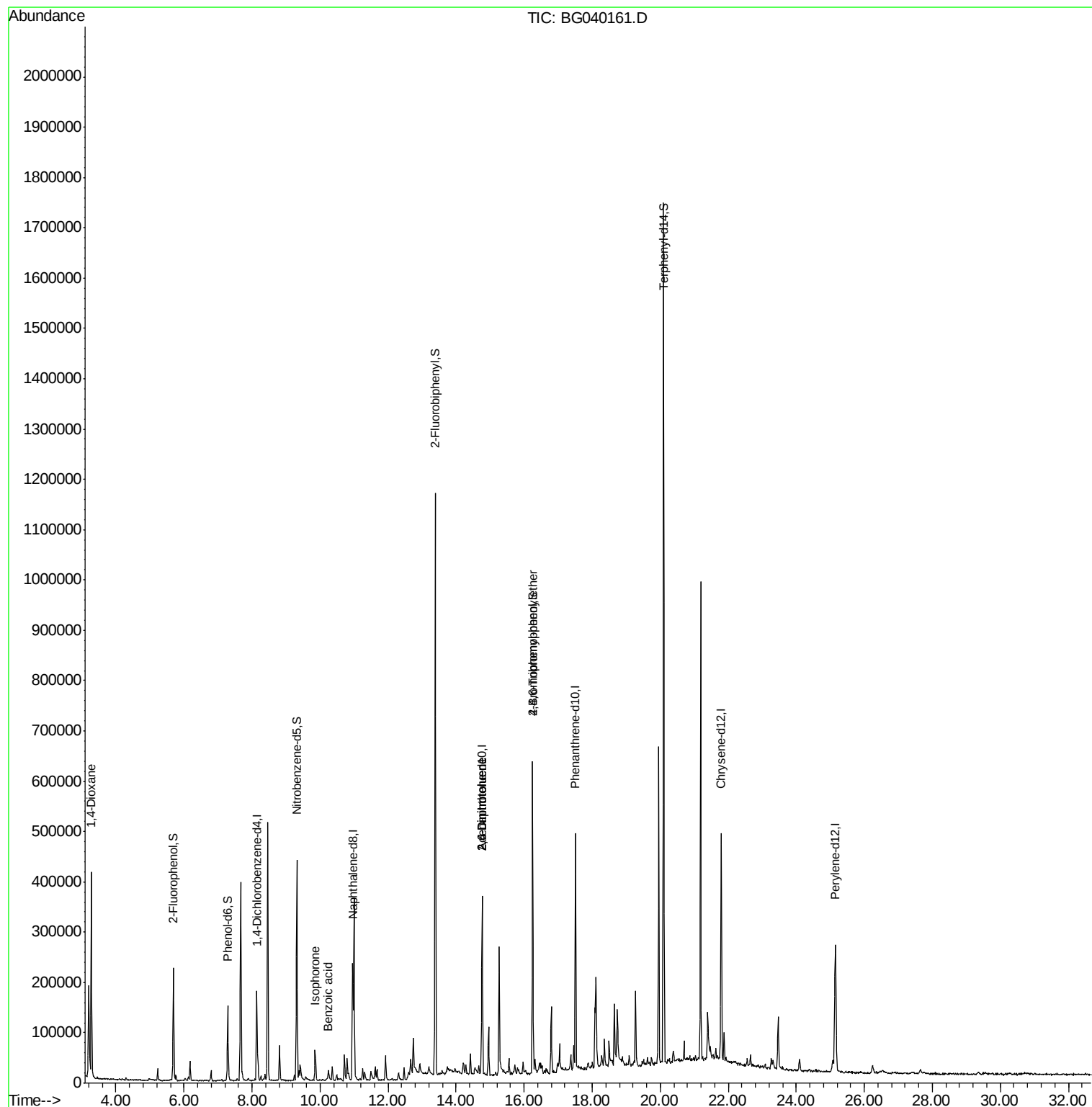
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	47744	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	224068	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	124771	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	279291	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	284192	20.00	ng	-0.04
87) Perylene-d12	25.15	264	294380	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	97762	34.93	ng	-0.02
7) Phenol-d6	7.29	99	89464	21.44	ng	-0.03
23) Nitrobenzene-d5	9.31	82	268120	64.72	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	110349	75.88	ng	-0.03
45) 2-Fluorobiphenyl	13.38	172	624377	71.25	ng	-0.03
79) Terphenyl-d14	20.10	244	816046	63.22	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.27	88	3747	2.900	ng	Qvalue # 1
25) Isophorone	9.87	82	25350	2.920	ng	98
32) Benzoic acid	10.22	122	166	6.662	ng	95
51) 2,6-Dinitrotoluene	14.77	165	16036	7.250	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	16036	5.160	ng	# 18
67) 4-Bromophenyl-phenylether	16.25	248	8554	2.736	ng	# 1

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

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QLast Update : Mon Mar 04 14:38:15 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

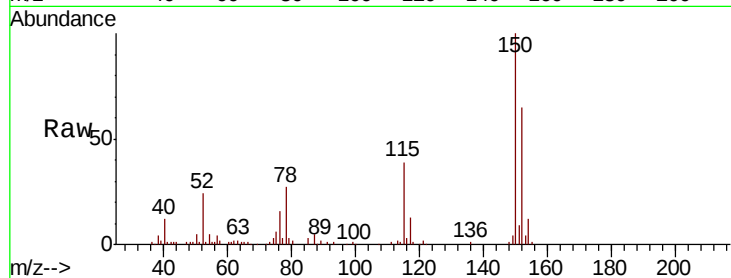
Tgt Ion:152 Resp: 47744

Ion Ratio Lower Upper

152 100

150 154.8 123.7 185.5

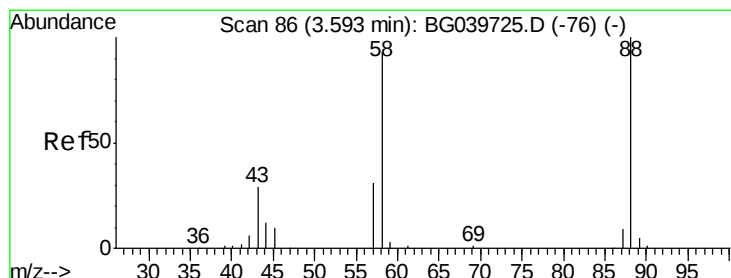
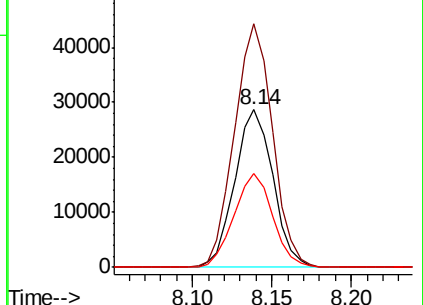
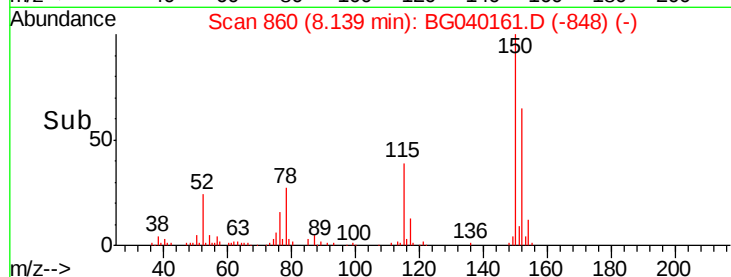
115 60.0 45.9 68.9



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



#2

1,4-Dioxane

Concen: 2.900 ng

RT: 3.27 min Scan# 31

Delta R.T. -0.34 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

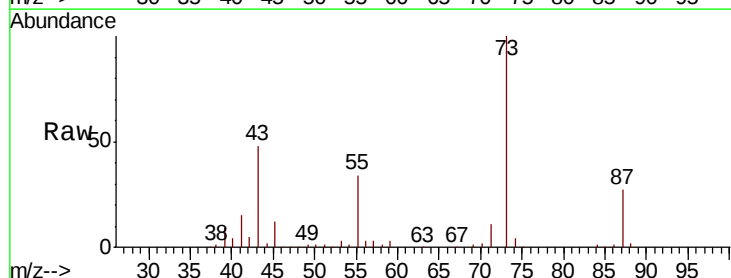
Tgt Ion: 88 Resp: 3747

Ion Ratio Lower Upper

88 100

58 34.7 81.1 121.7#

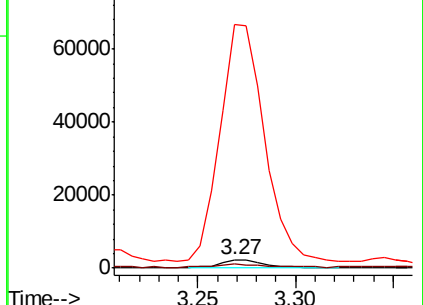
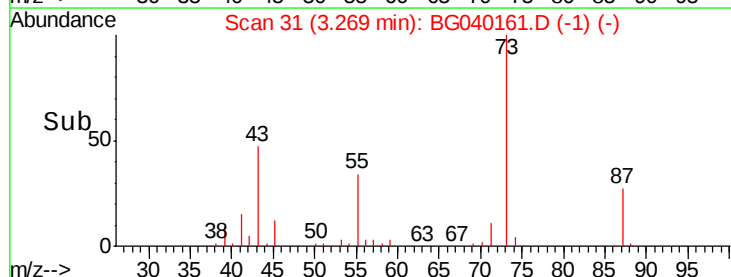
43 2811.8 31.4 47.0#

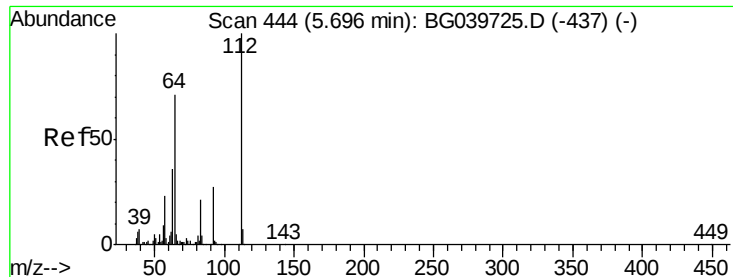


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 34.933 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

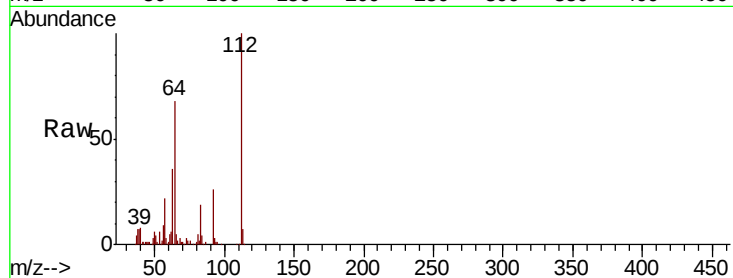
Tgt Ion: 112 Resp: 97762

Ion Ratio Lower Upper

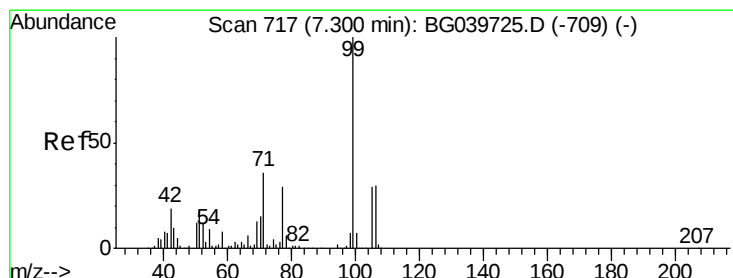
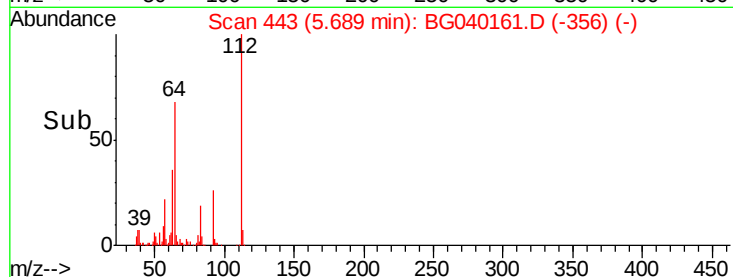
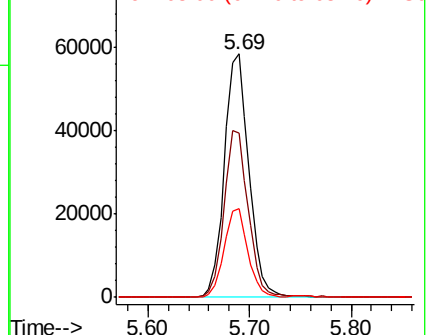
112 100

64 67.6 57.8 86.8

63 36.4 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 21.440 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.03 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

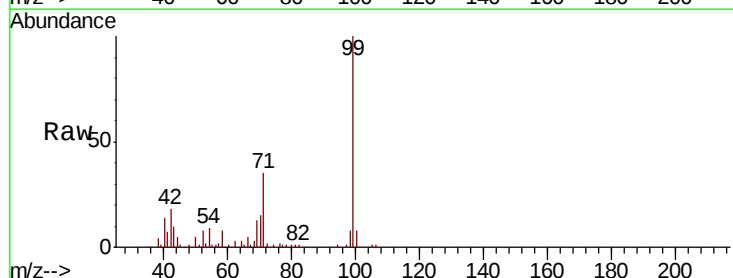
Tgt Ion: 99 Resp: 89464

Ion Ratio Lower Upper

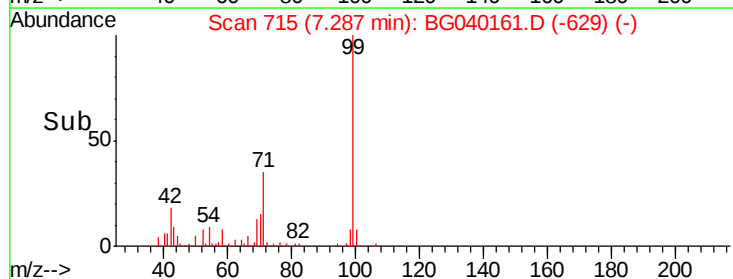
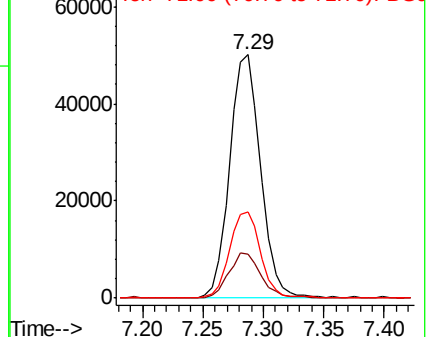
99 100

42 18.1 18.2 27.2#

71 35.2 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

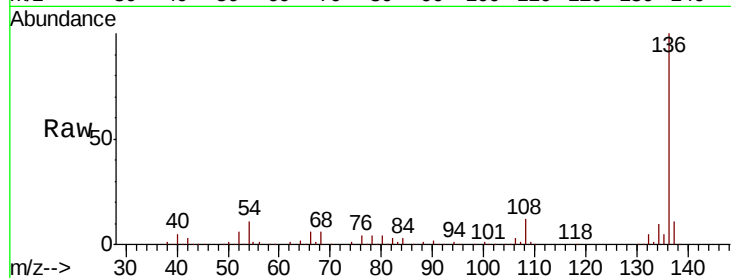




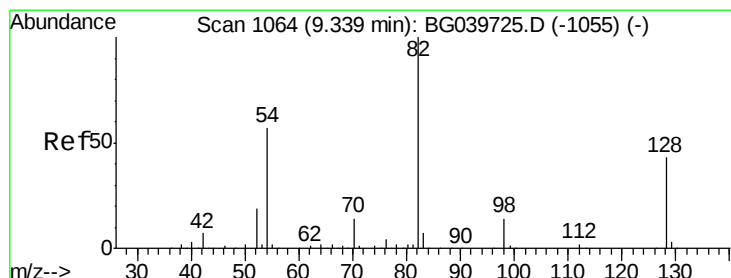
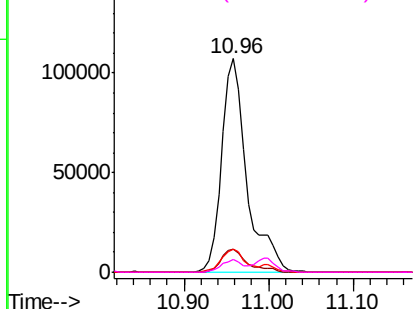
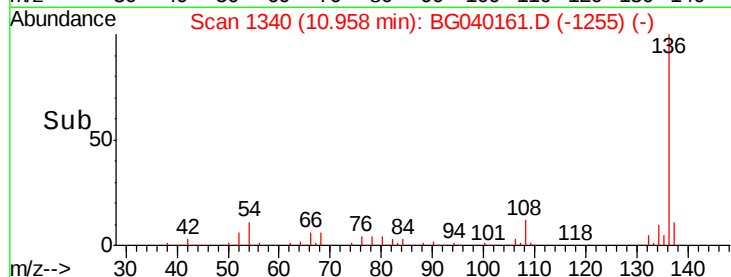
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040161.D
Acq: 27 Mar 2019 00:19

Instrument :
BNA_G
ClientSampleId :
SHORE-RD-CLVRT-STLD-2H-B

Tgt Ion:	136	Resp:	224068
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.9	9.4	14.2
68	5.8	4.2	6.4

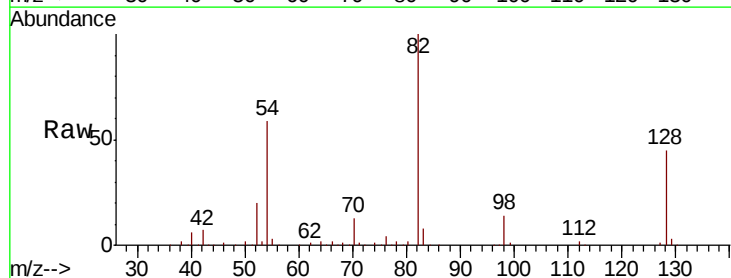


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

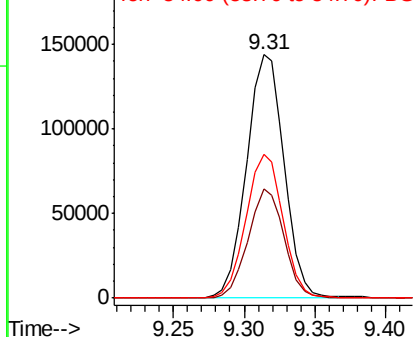
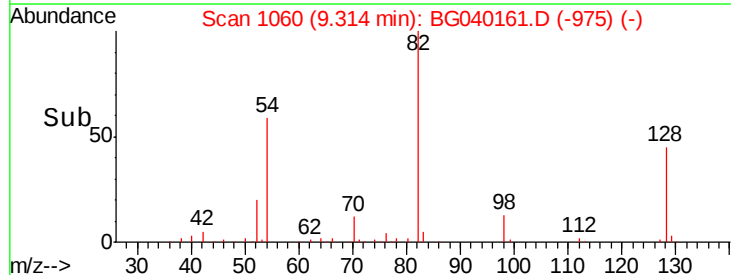


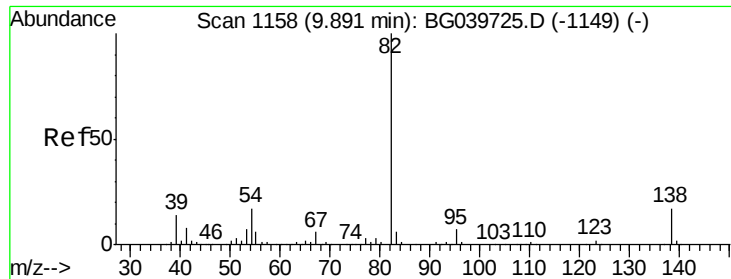
#23
Nitrobenzene-d5
Concen: 64.717 ng
RT: 9.31 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BG040161.D
Acq: 27 Mar 2019 00:19

Tgt Ion:	82	Resp:	268120
Ion	Ratio	Lower	Upper
82	100		
128	44.6	31.3	46.9
54	59.3	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





#25

Isophorone

Concen: 2.920 ng

RT: 9.87 min Scan# 1154

Delta R.T. -0.03 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

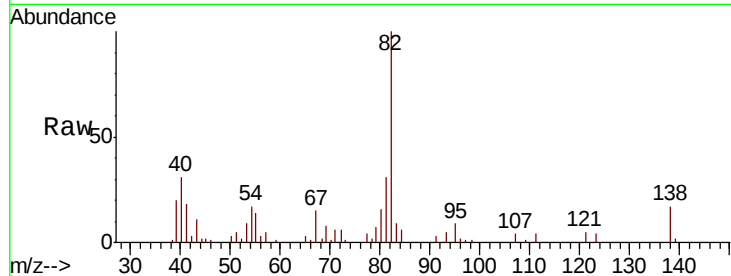
Tgt Ion: 82 Resp: 25350

Ion Ratio Lower Upper

82 100

95 9.2 6.2 9.2

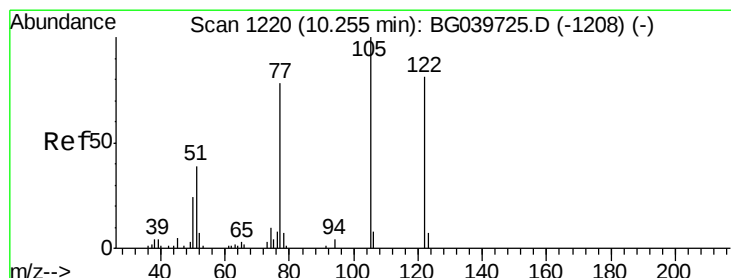
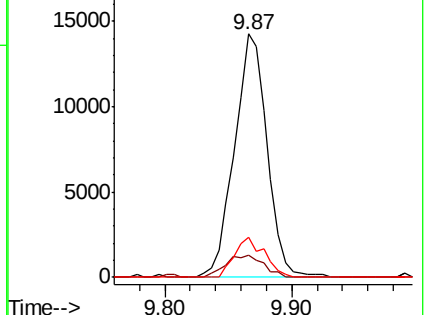
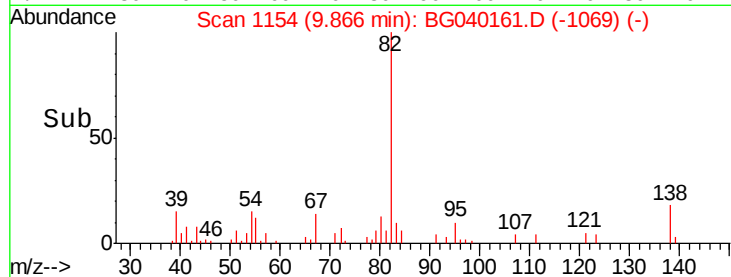
138 16.7 13.0 19.4



Abundance Ion 82.00 (81.70 to 82.70): BG040161.D (-1069) (-)

Ion 95.00 (94.70 to 95.70): BG040161.D (-1069) (-)

Ion 138.00 (137.70 to 138.70): BG040161.D (-1069) (-)



#32

Benzoic acid

Concen: 6.662 ng

RT: 10.22 min Scan# 1215

Delta R.T. -0.04 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

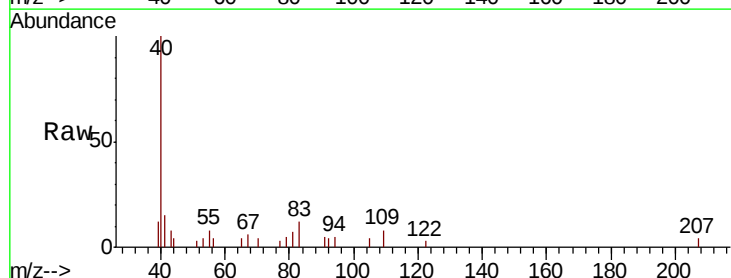
Tgt Ion: 122 Resp: 166

Ion Ratio Lower Upper

122 100

105 113.5 101.8 141.8

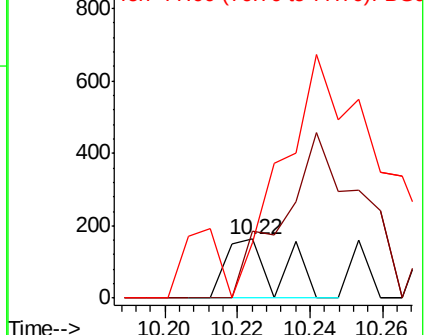
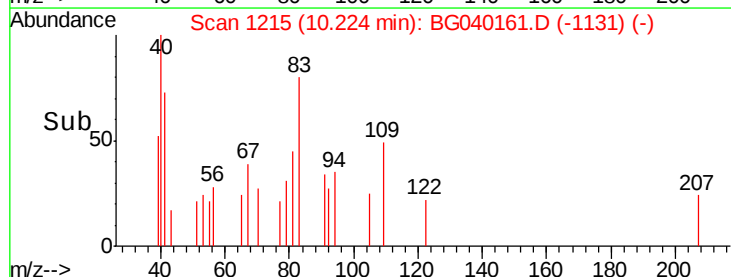
77 95.1 76.3 116.3

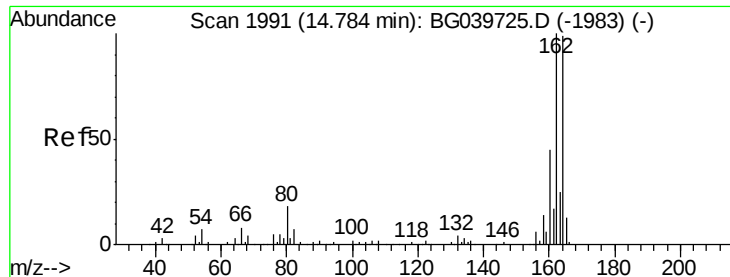


Abundance Ion 122.00 (121.70 to 122.70): BG040161.D (-1131) (-)

Ion 105.00 (104.70 to 105.70): BG040161.D (-1131) (-)

Ion 77.00 (76.70 to 77.70): BG040161.D (-1131) (-)





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.03 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

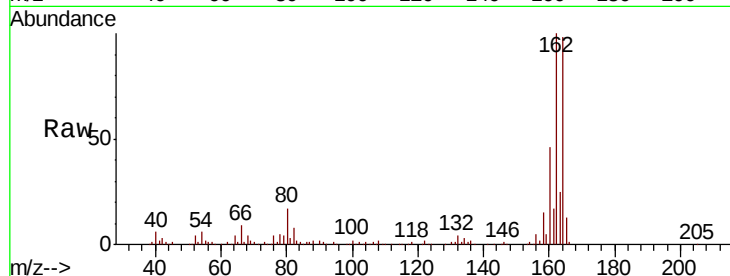
Tgt Ion:164 Resp: 124771

Ion Ratio Lower Upper

164 100

162 102.3 81.6 122.4

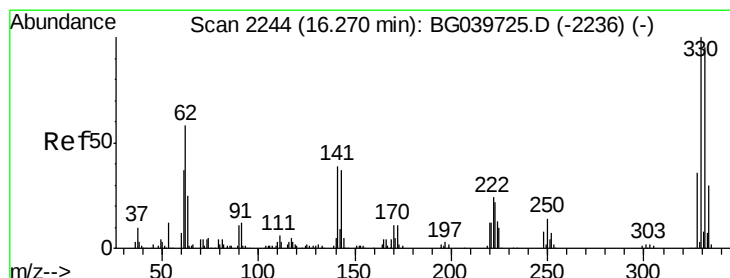
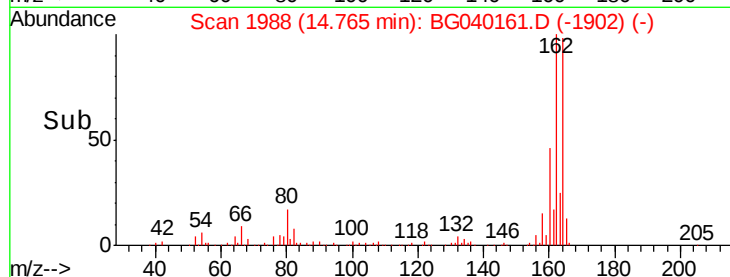
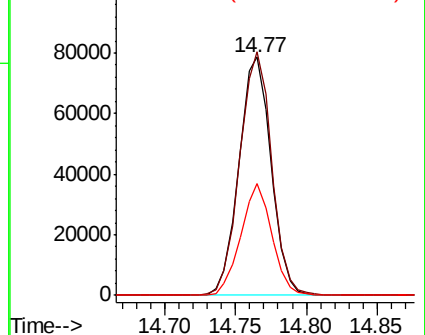
160 46.8 34.2 51.2



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: 75.878 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.03 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

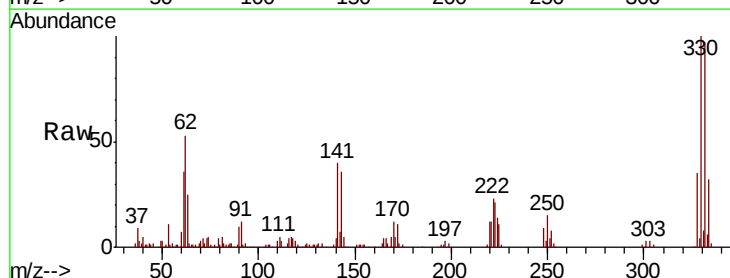
Tgt Ion:330 Resp: 110349

Ion Ratio Lower Upper

330 100

332 97.2 75.7 113.5

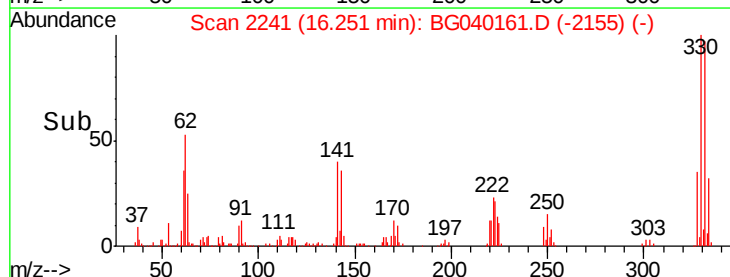
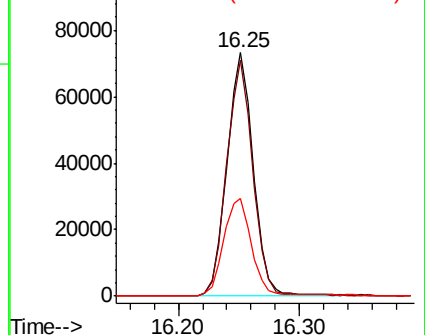
141 42.3 35.6 53.4

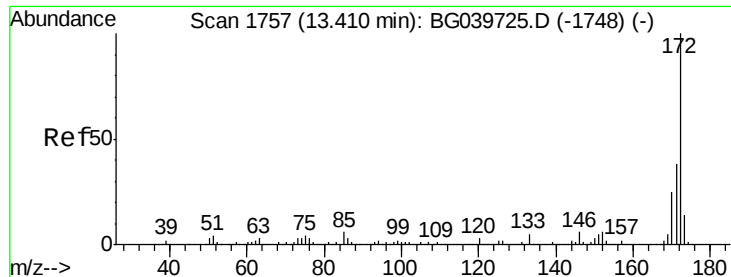


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

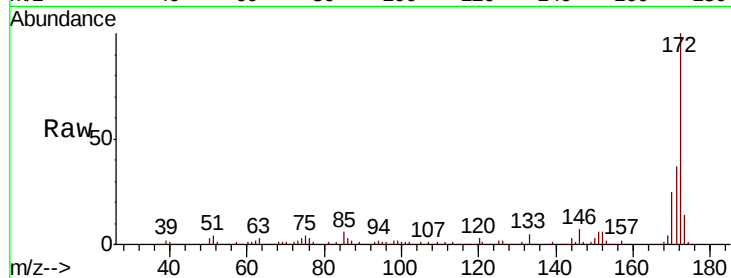




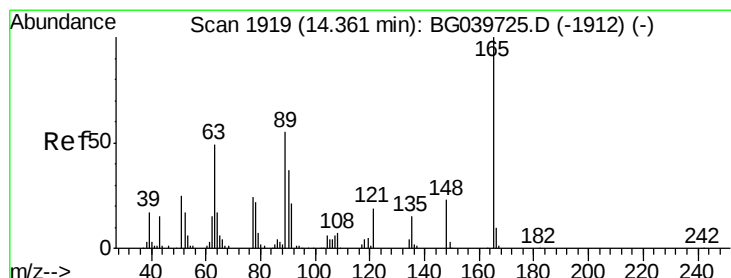
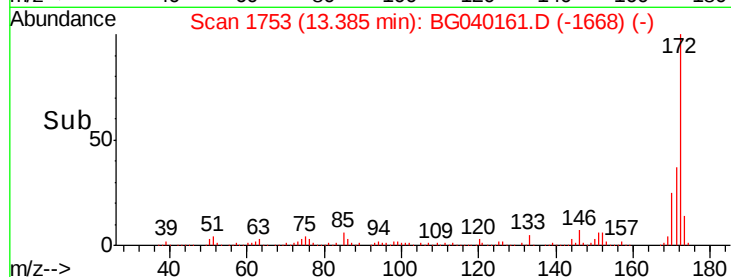
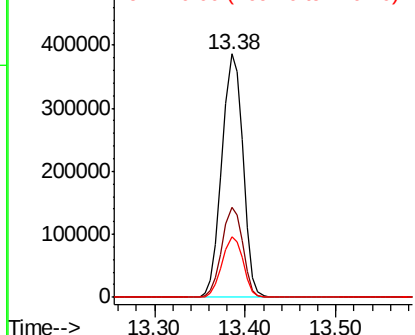
#45
 2-Fluorobiphenyl
 Concen: 71.251 ng
 RT: 13.38 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040161.D
 Acq: 27 Mar 2019 00:19

Instrument :
 BNA_G
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 SHORE-RD-CLVRT-STLD-2H-B

Tgt Ion:172 Resp: 624377
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.8 46.2
 170 24.7 20.2 30.4

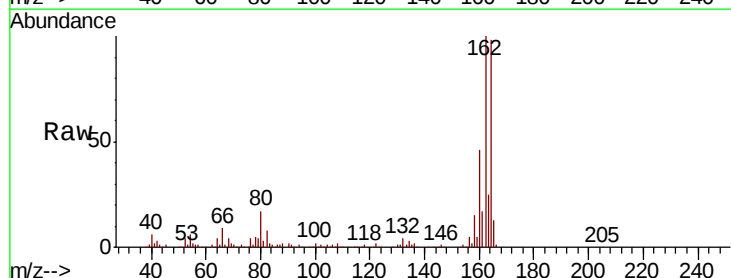


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

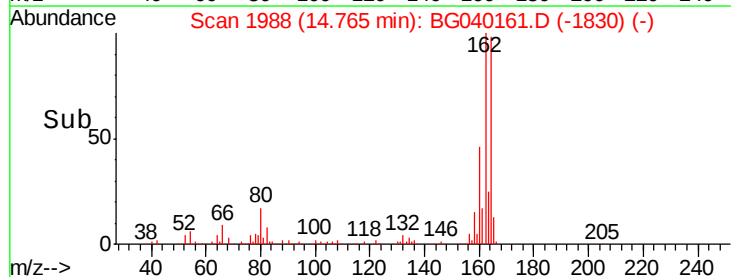
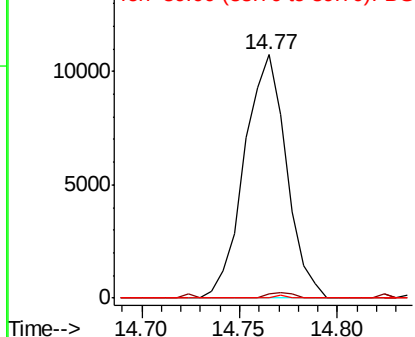


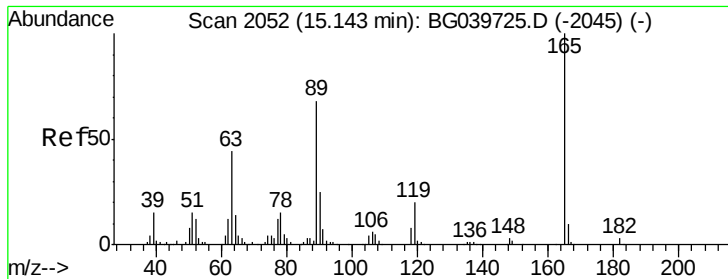
#51
 2,6-Dinitrotoluene
 Concen: 7.250 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040161.D
 Acq: 27 Mar 2019 00:19

Tgt Ion:165 Resp: 16036
 Ion Ratio Lower Upper
 165 100
 63 1.9 47.0 70.6#
 89 0.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG





#57

2,4-Dinitrotoluene

Concen: 5.160 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

Tgt Ion:165 Resp: 16036

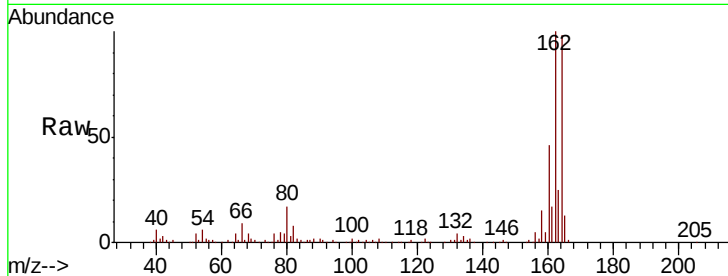
Ion Ratio Lower Upper

165 100

63 1.9 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

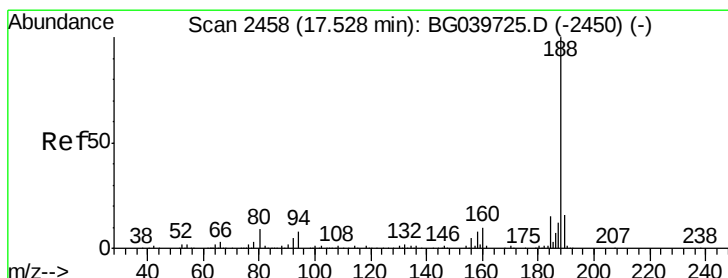
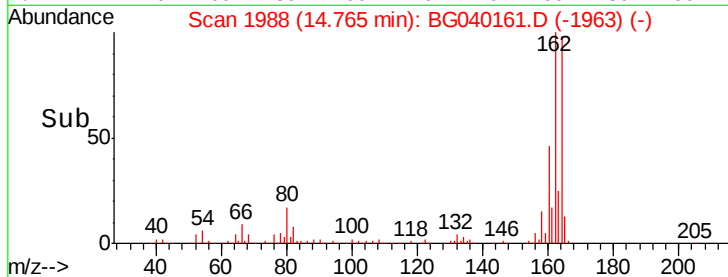
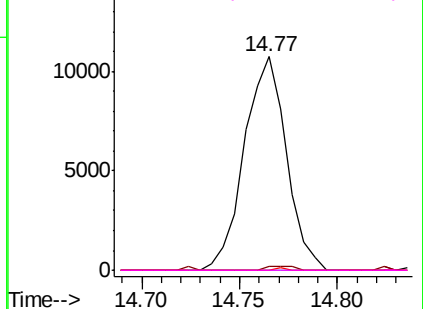


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2455

Delta R.T. -0.03 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

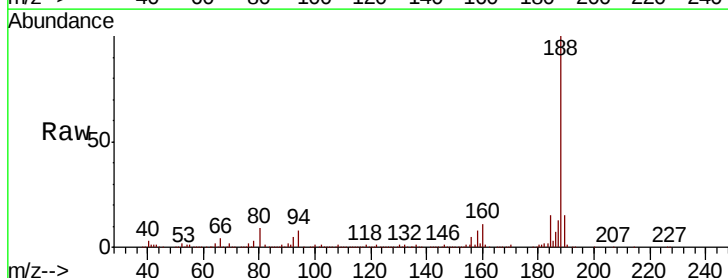
Tgt Ion:188 Resp: 279291

Ion Ratio Lower Upper

188 100

94 7.5 6.9 10.3

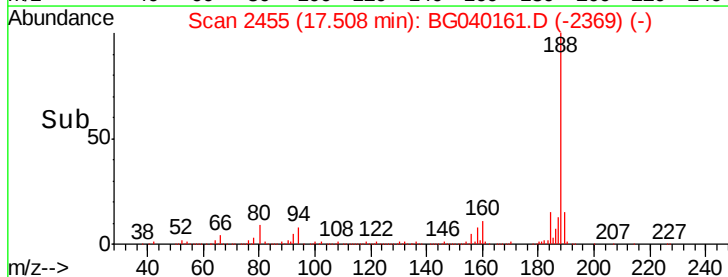
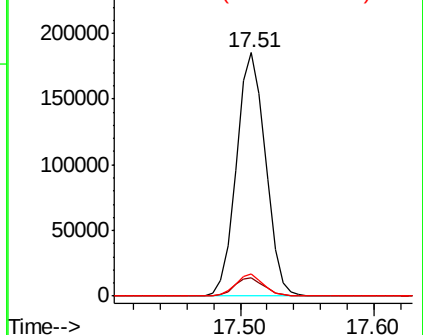
80 9.3 8.1 12.1

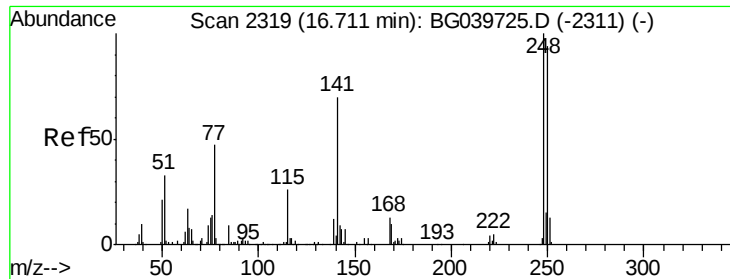


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

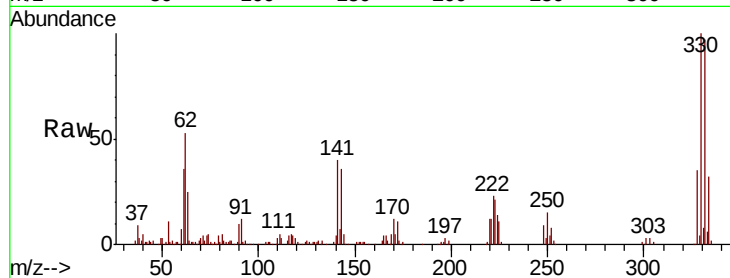




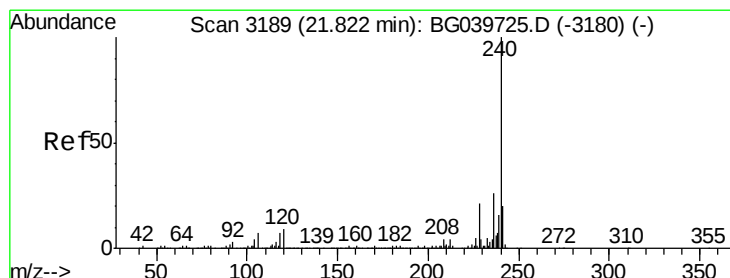
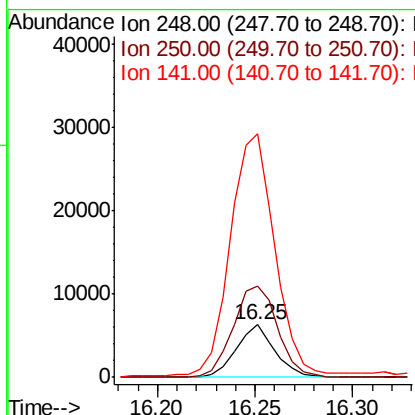
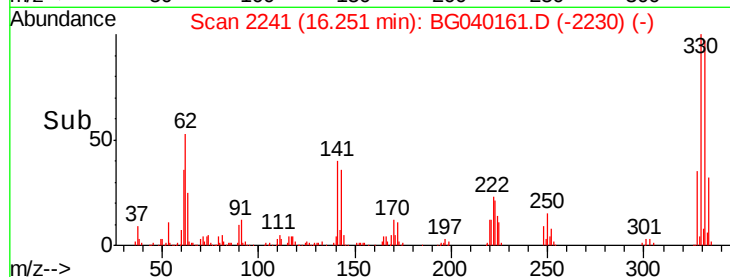
#67
 4-Bromophenyl-phenylether
 Concen: 2.736 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.47 min
 Lab File: BG040161.D
 Acq: 27 Mar 2019 00:19

Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-CLVRT-STLD-2H-B

Tgt Ion:248 Resp: 8554
 Ion Ratio Lower Upper
 248 100
 250 175.5 77.6 116.4#
 141 465.3 63.9 95.9#

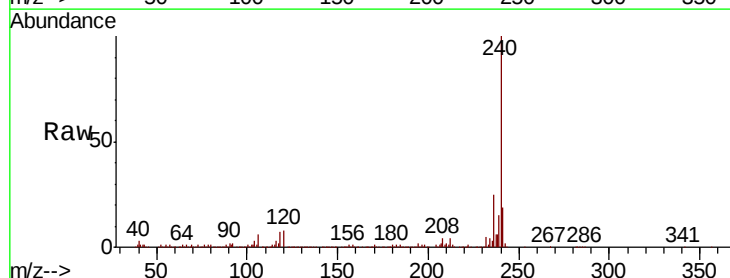


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

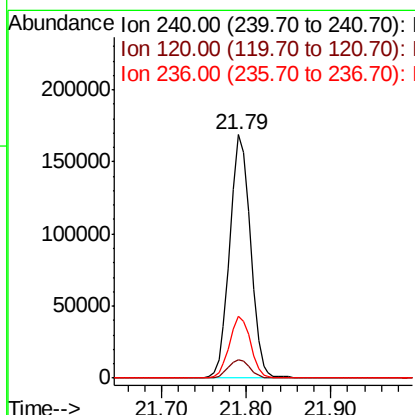
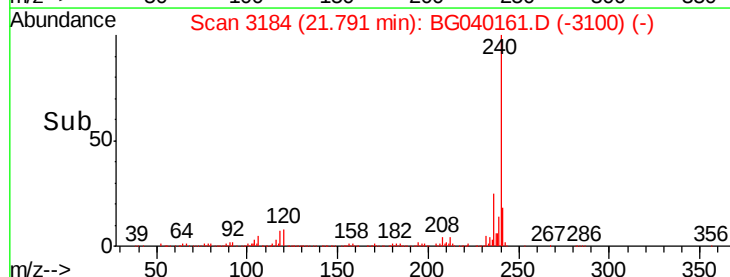


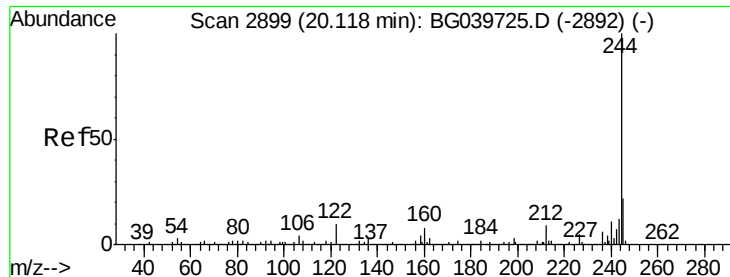
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3184
 Delta R.T. -0.04 min
 Lab File: BG040161.D
 Acq: 27 Mar 2019 00:19

Tgt Ion:240 Resp: 284192
 Ion Ratio Lower Upper
 240 100
 120 7.6 7.0 10.6
 236 25.4 21.0 31.4



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





#79

Terphenyl-d14

Concen: 63.224 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-CLVRT-STLD-2H-B

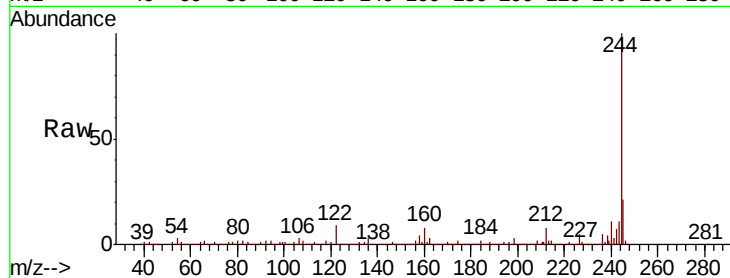
Tgt Ion:244 Resp: 816046

Ion Ratio Lower Upper

244 100

212 8.4 7.3 10.9

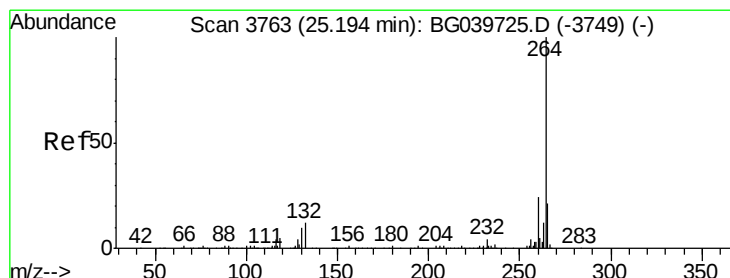
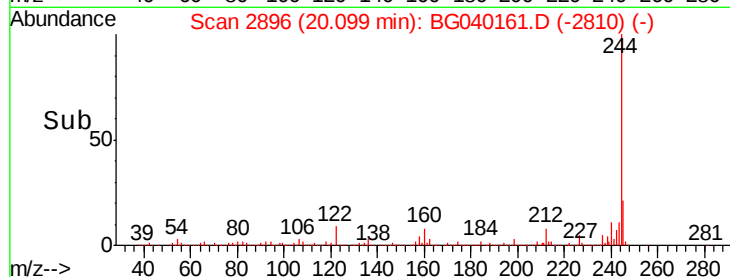
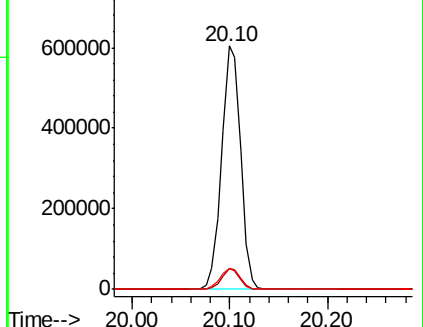
122 8.7 8.4 12.6



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: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040161.D

Acq: 27 Mar 2019 00:19

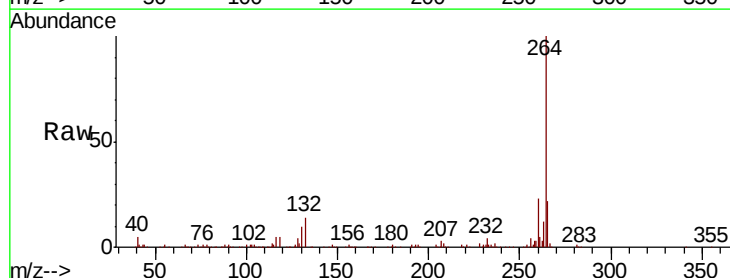
Tgt Ion:264 Resp: 294380

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 21.7 18.5 27.7



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

