

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021319\
 Data File : BG039503.D
 Acq On : 14 Feb 2019 00:36
 Operator : JU/SJ
 Sample : K1451-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-BOX-CULVERT-TP

Quant Time: Feb 14 02:50:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	60835	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	283321	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	172760	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	352148	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	359152	20.00	ng	-0.02
87) Perylene-d12	25.20	264	368357	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	151823	42.71	ng	0.00
7) Phenol-d6	7.31	99	139201	26.61	ng	-0.02
23) Nitrobenzene-d5	9.35	82	470079	103.65	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	138091	74.23	ng	-0.02
45) 2-Fluorobiphenyl	13.42	172	1086319	90.20	ng	-0.02
79) Terphenyl-d14	20.13	244	1100778	64.88	ng	-0.02

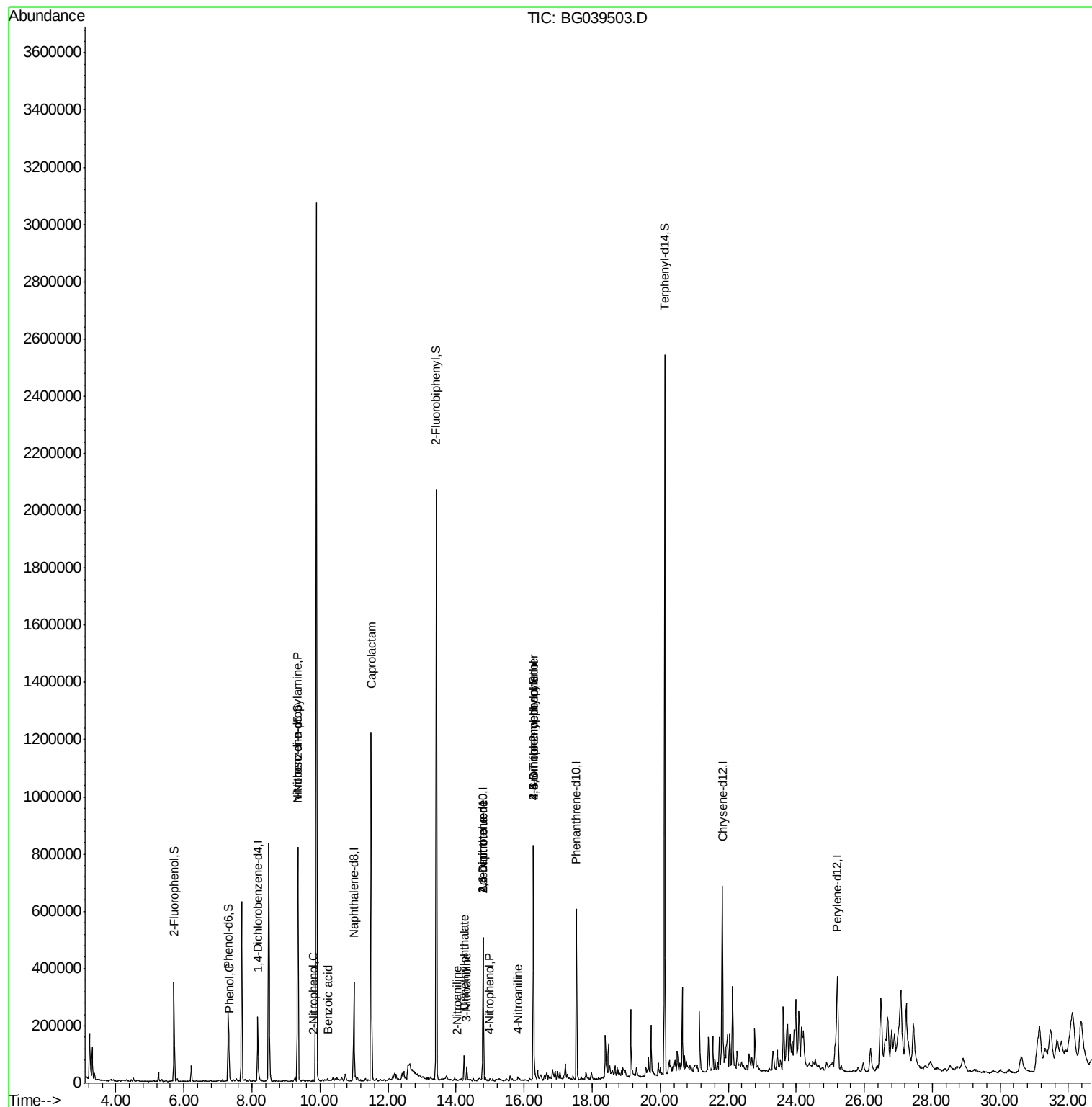
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	366	Below Cal		9
10) Phenol	7.33	94	26667	4.889	ng	97
19) n-Nitroso-di-n-propylamine	9.35	70	63211	17.022	ng	77
26) 2-Nitrophenol	9.79	139	61	4.042	ng	6
32) Benzoic acid	10.23	122	1319	9.423	ng	87
35) Caprolactam	11.51	113	6528	3.550	ng	1
48) 2-Nitroaniline	14.03	65	64	8.313	ng	10
50) Dimethylphthalate	14.24	163	56451	4.046	ng	100
51) 2,6-Dinitrotoluene	14.80	165	22398	13.975	ng	25
53) 3-Nitroaniline	14.31	138	71	5.815	ng	1
56) 4-Nitrophenol	14.97	139	75	5.821	ng	1
57) 2,4-Dinitrotoluene	14.80	165	22398	13.437	ng	20
62) 4-Nitroaniline	15.81	138	59	4.221	ng	10
65) 4,6-Dinitro-2-methylphenol	16.27	198	531	4.658	ng	1
67) 4-Bromophenyl-phenylether	16.28	248	11039	2.826	ng	1

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

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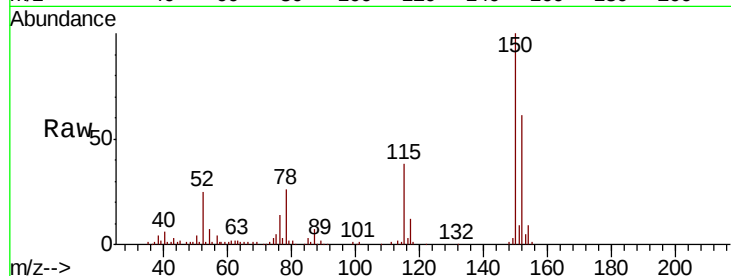


#1

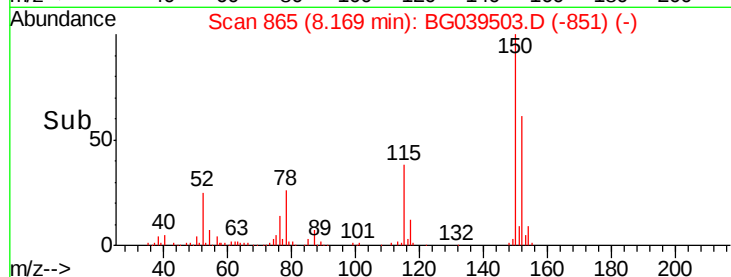
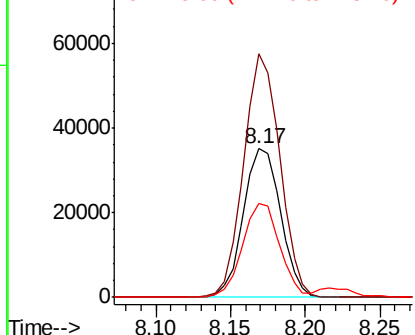
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039503.D
Acq: 14 Feb 2019 00:36

Instrument :
BNA_G
ClientSampleId :
SHORE-RD-BOX-CULVERT-TP

Tgt Ion:152 Resp: 60835
Ion Ratio Lower Upper
152 100
150 163.9 123.7 185.5
115 62.9 45.9 68.9



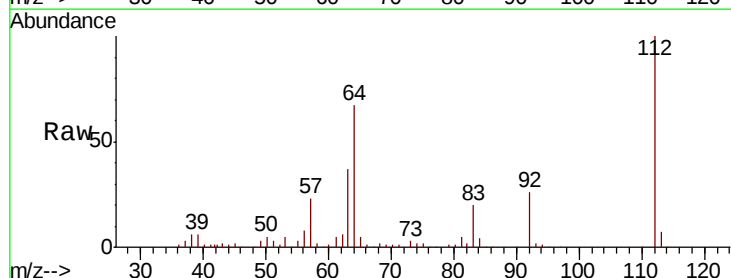
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



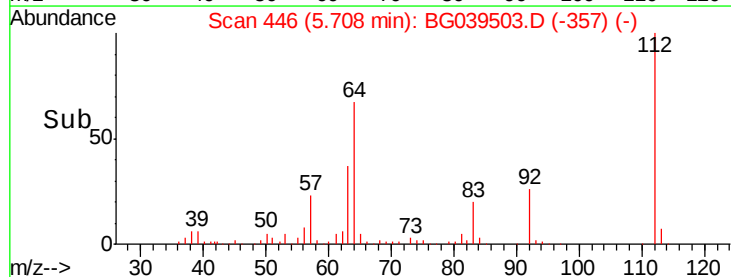
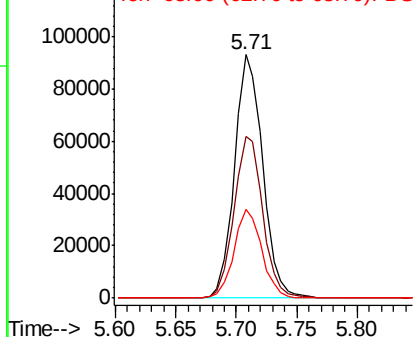
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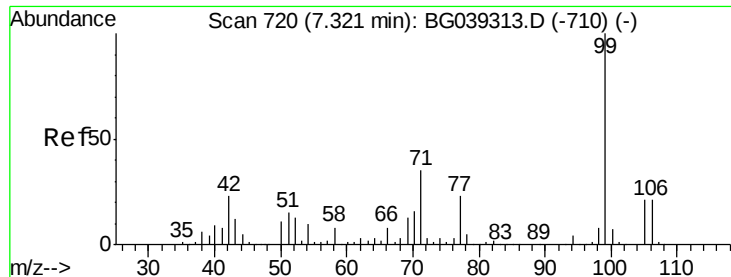
2-Fluorophenol
Concen: 42.713 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039503.D
Acq: 14 Feb 2019 00:36

Tgt Ion:112 Resp: 151823
Ion Ratio Lower Upper
112 100
64 66.6 57.8 86.8
63 36.5 29.8 44.6



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





#7

Phenol-d6

Concen: 26.605 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

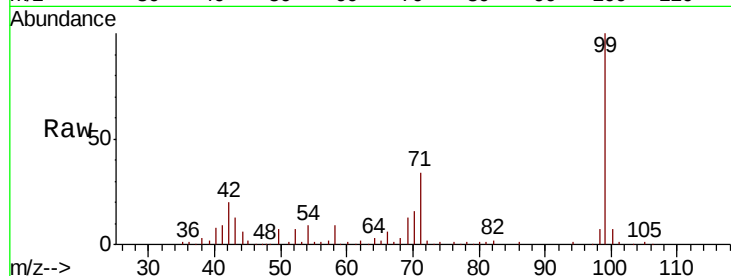
Tgt Ion: 99 Resp: 139201

Ion Ratio Lower Upper

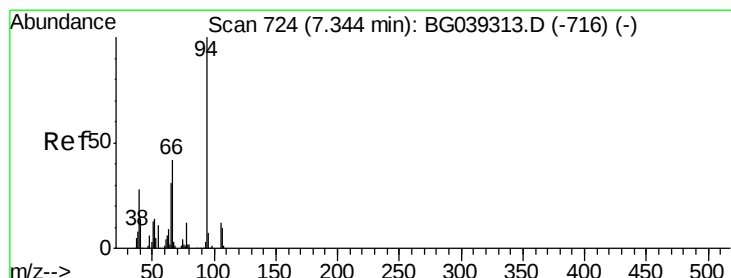
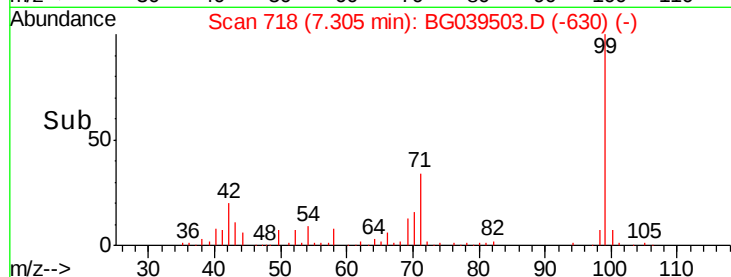
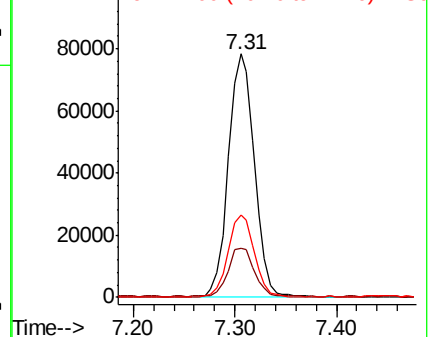
99 100

42 20.0 18.2 27.2

71 34.0 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



#10

Phenol

Concen: 4.889 ng

RT: 7.33 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

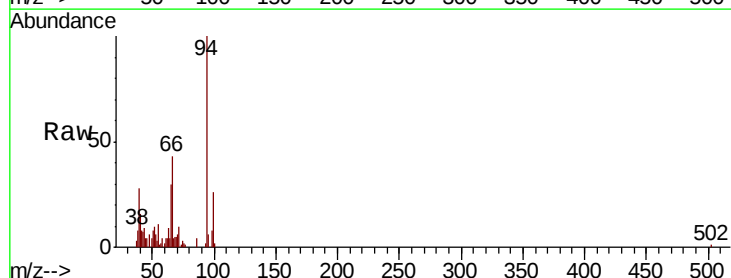
Tgt Ion: 94 Resp: 26667

Ion Ratio Lower Upper

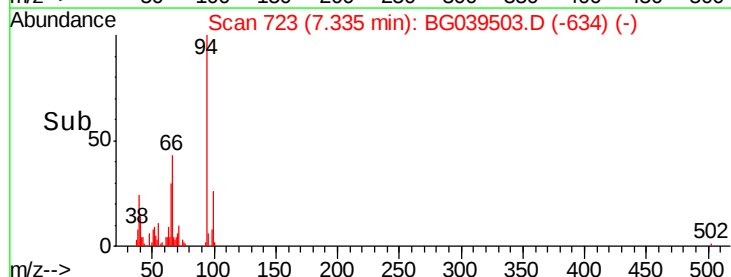
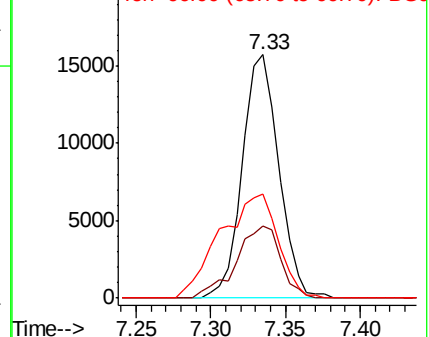
94 100

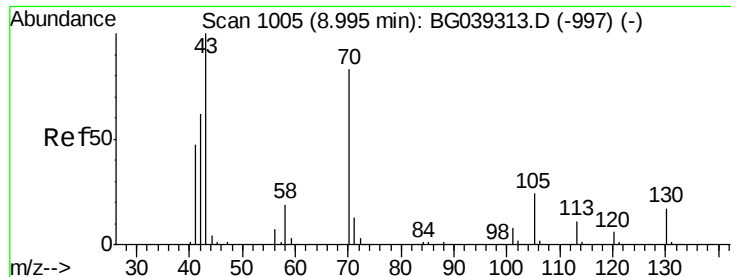
65 29.6 11.7 51.7

66 42.7 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

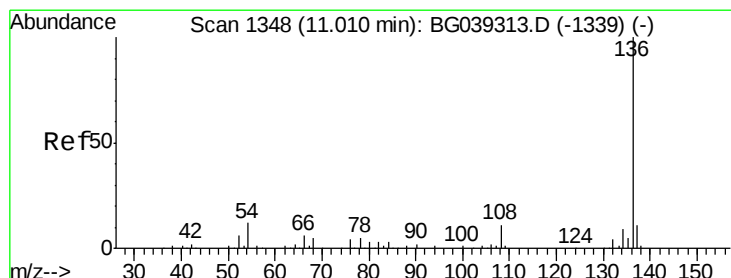
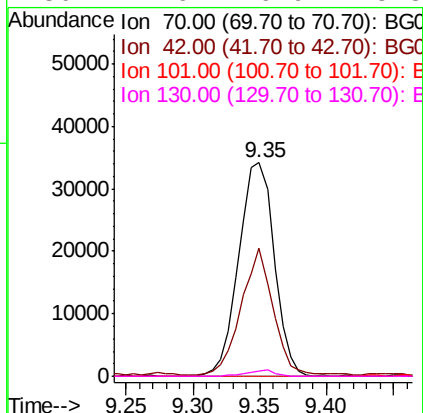
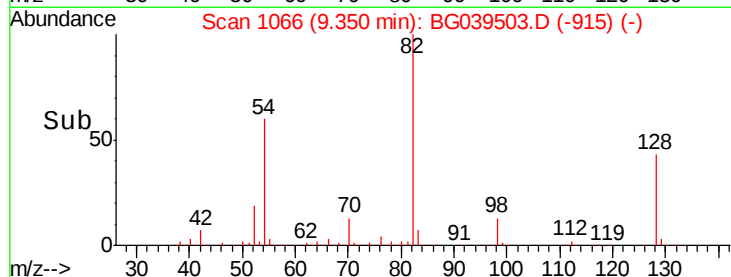
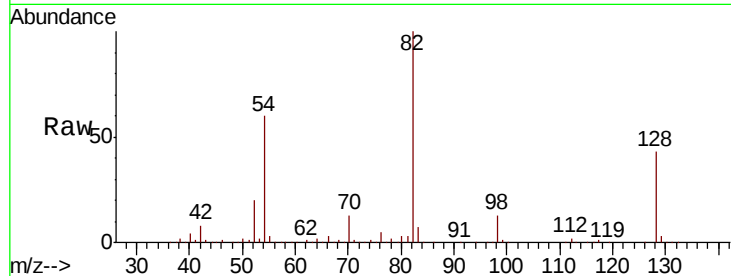




#19
n-Nitroso-di-n-propylamine
Concen: 17.022 ng
RT: 9.35 min Scan# 1066
Delta R.T. 0.35 min
Lab File: BG039503.D
Acq: 14 Feb 2019 00:36

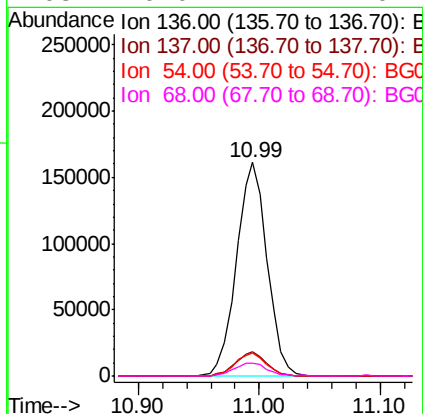
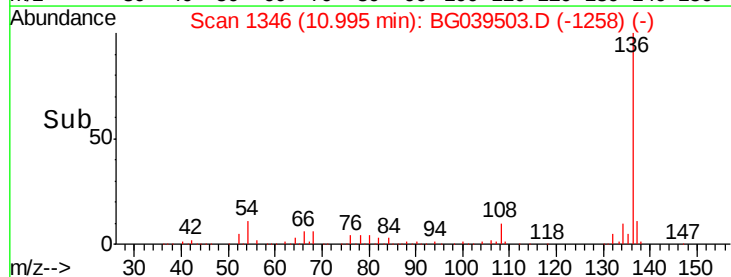
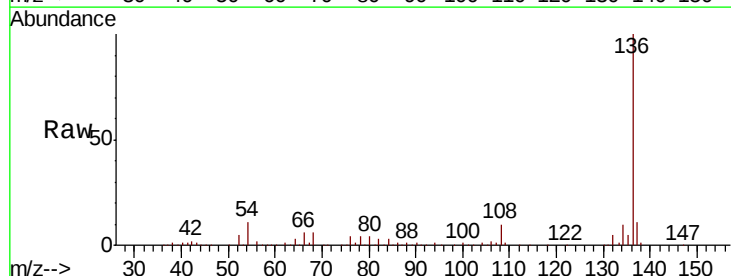
Instrument :
BNA_G
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SHORE-RD-BOX-CULVERT-TP

Tgt Ion: 70 Resp: 63211
Ion Ratio Lower Upper
70 100
42 59.9 60.4 90.6#
101 0.0 7.5 11.3#
130 2.6 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039503.D
Acq: 14 Feb 2019 00:36

Tgt Ion: 136 Resp: 283321
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 10.6 9.4 14.2
68 6.0 4.2 6.4

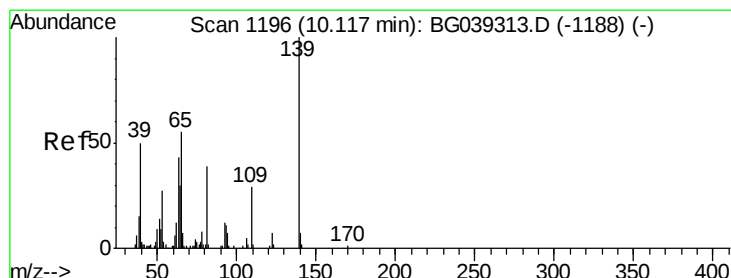
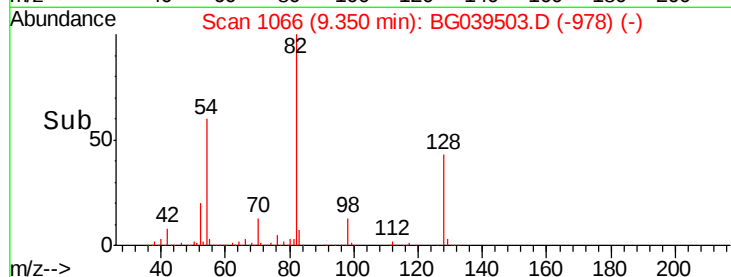
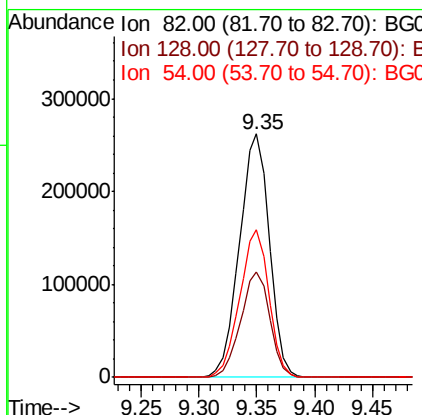
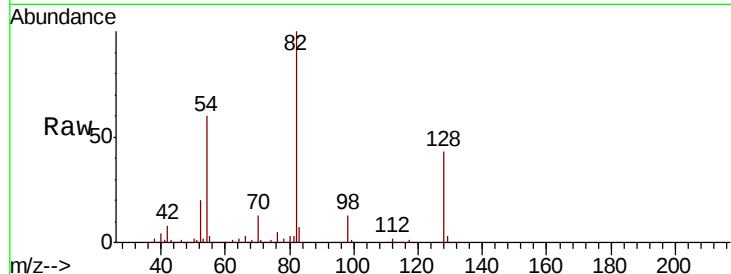




#23
 Nitrobenzene-d5
 Concen: 103.651 ng
 RT: 9.35 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BG039503.D
 Acq: 14 Feb 2019 00:36

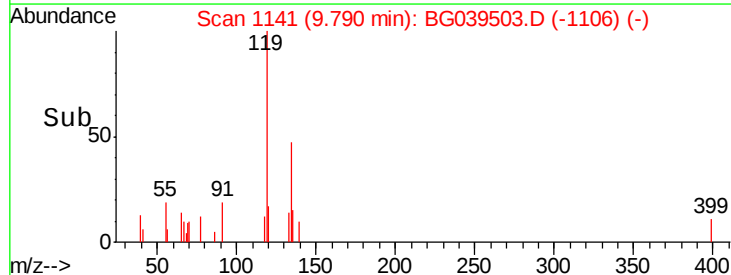
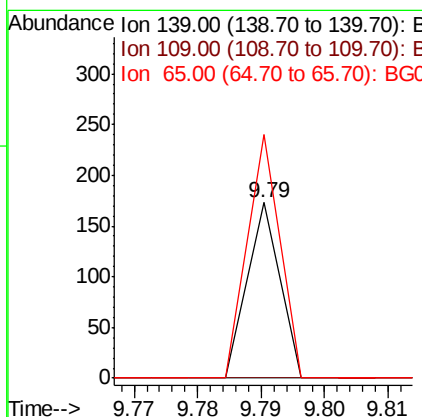
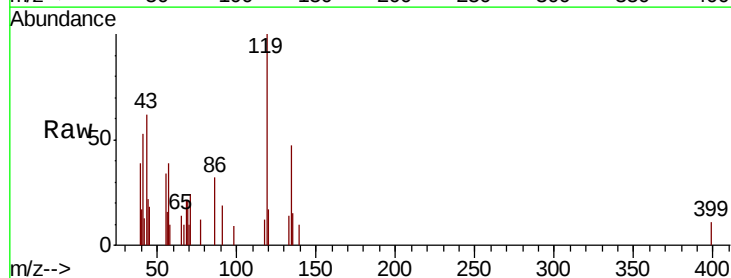
Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-BOX-CULVERT-TP

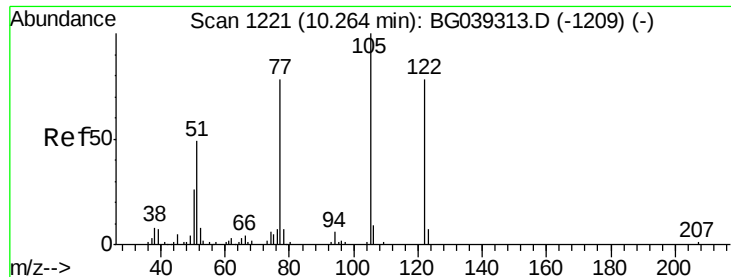
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	31.3	46.9
54	60.4	50.9	76.3



#26
 2-Nitrophenol
 Concen: 4.042 ng
 RT: 9.79 min Scan# 1141
 Delta R.T. -0.33 min
 Lab File: BG039503.D
 Acq: 14 Feb 2019 00:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	138.7	44.3	66.5#

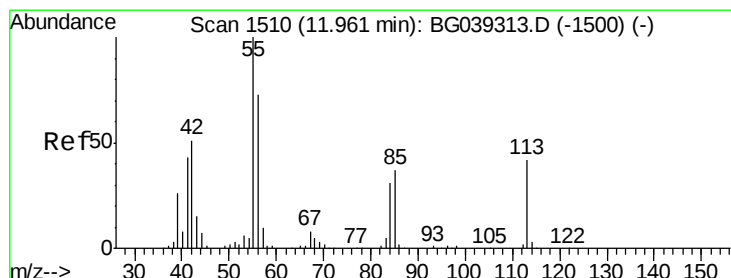
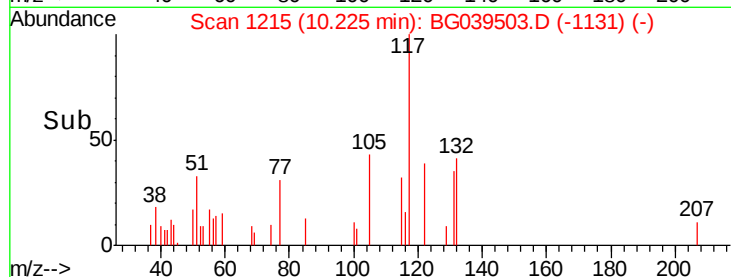
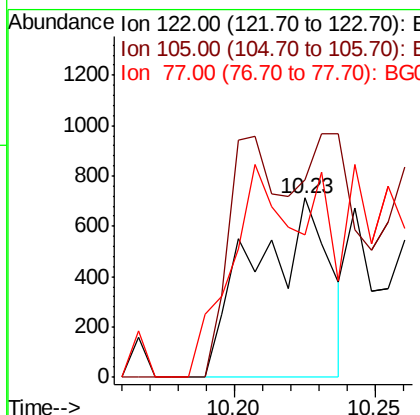
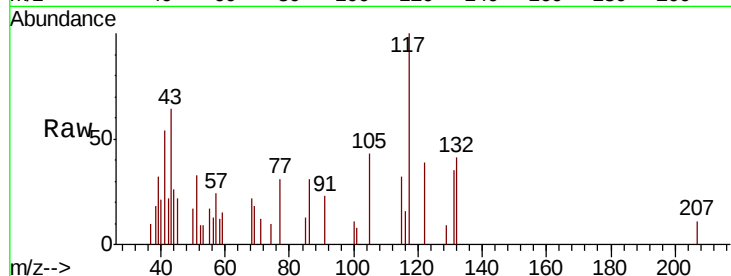




#32
Benzoic acid
Concen: 9.423 ng
RT: 10.23 min Scan# 1215
Delta R.T. -0.04 min
Lab File: BG039503.D
Acq: 14 Feb 2019 00:36

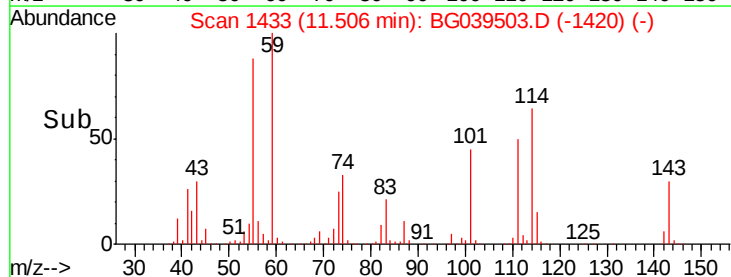
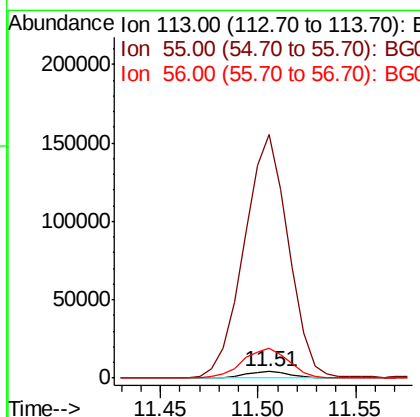
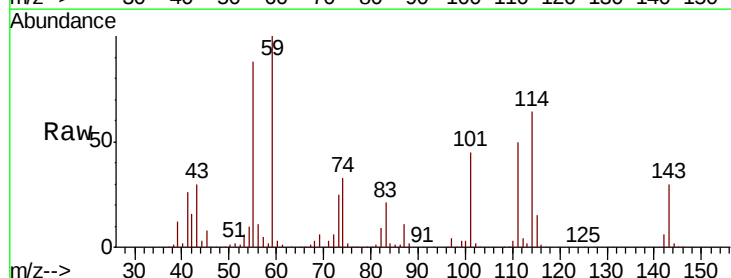
Instrument :
BNA_G
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SHORE-RD-BOX-CULVERT-TP

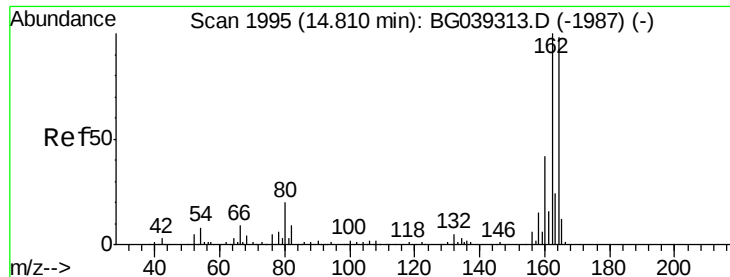
Tgt Ion:122 Resp: 1319
Ion Ratio Lower Upper
122 100
105 110.1 101.8 141.8
77 79.9 76.3 116.3



#35
Caprolactam
Concen: 3.550 ng
RT: 11.51 min Scan# 1433
Delta R.T. -0.46 min
Lab File: BG039503.D
Acq: 14 Feb 2019 00:36

Tgt Ion:113 Resp: 6528
Ion Ratio Lower Upper
113 100
55 3772.8 216.9 256.9#
56 470.8 152.6 192.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

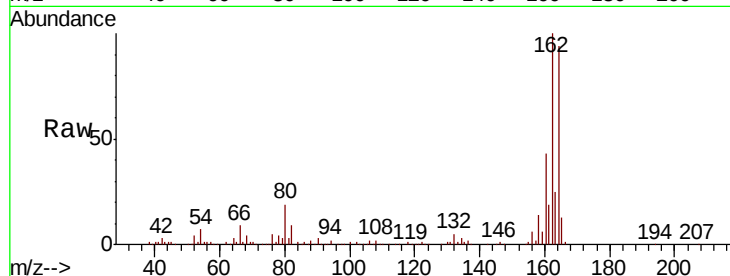
Tgt Ion:164 Resp: 172760

Ion Ratio Lower Upper

164 100

162 105.8 81.6 122.4

160 45.6 34.2 51.2

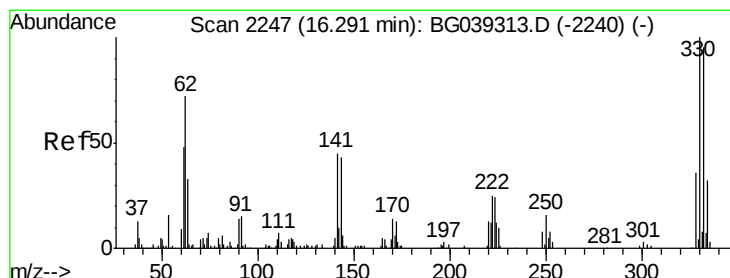
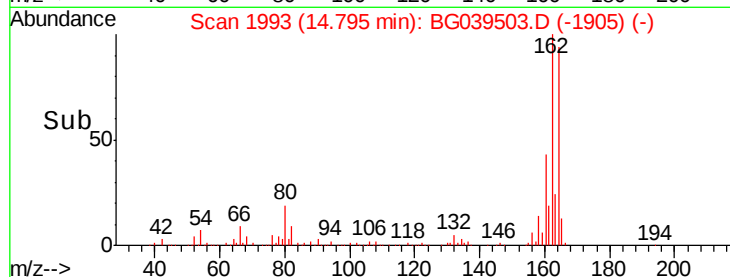
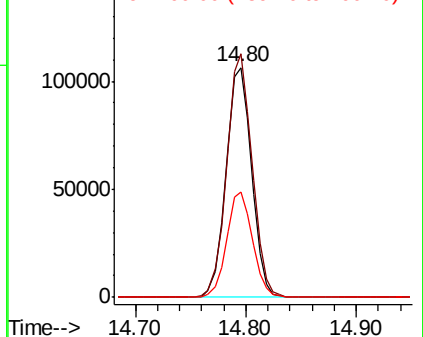


Abundance

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: 74.229 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

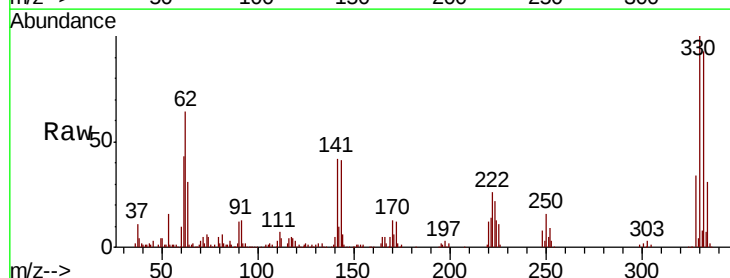
Tgt Ion:330 Resp: 138091

Ion Ratio Lower Upper

330 100

332 96.6 75.7 113.5

141 42.5 35.6 53.4

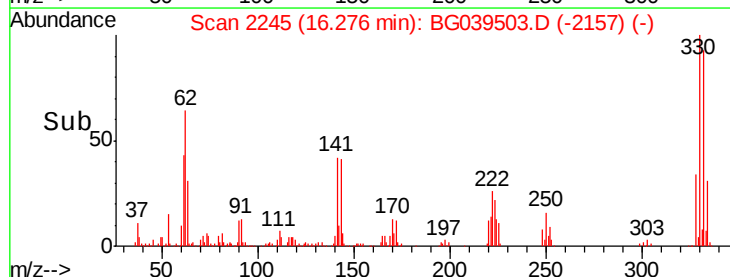
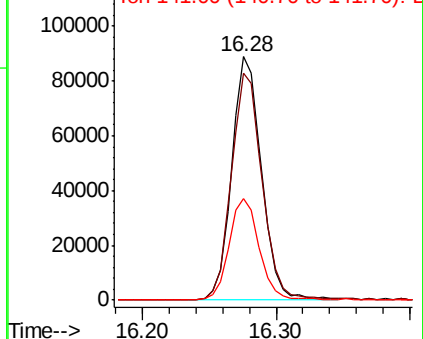


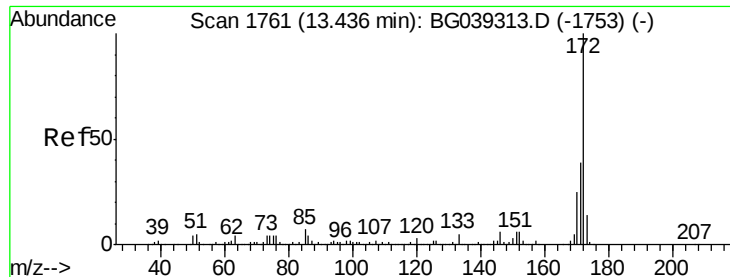
Abundance

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

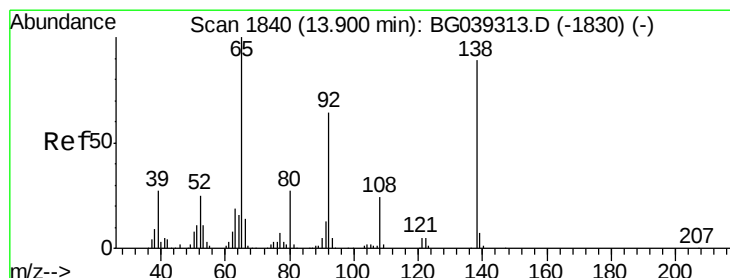
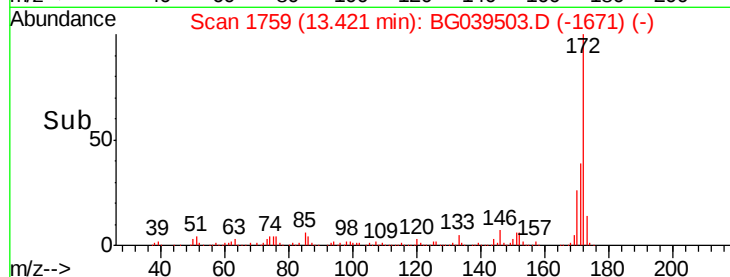
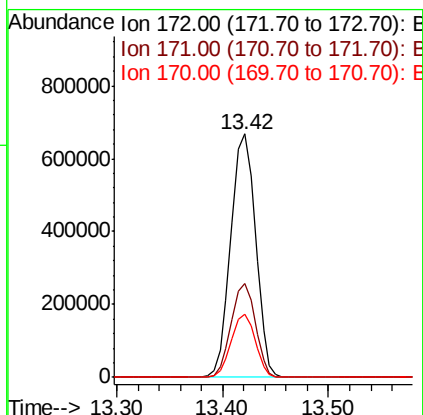
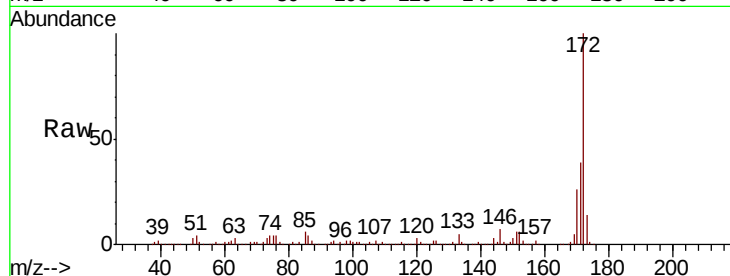




#45
 2-Fluorobiphenyl
 Concen: 90.205 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039503.D
 Acq: 14 Feb 2019 00:36

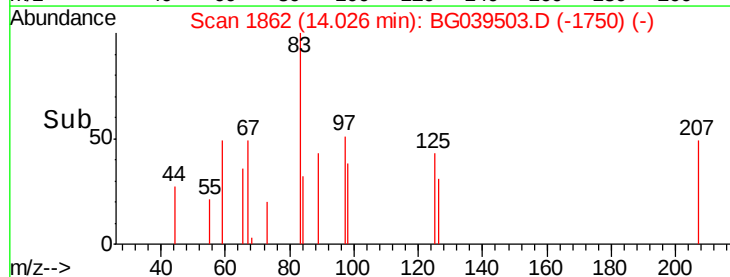
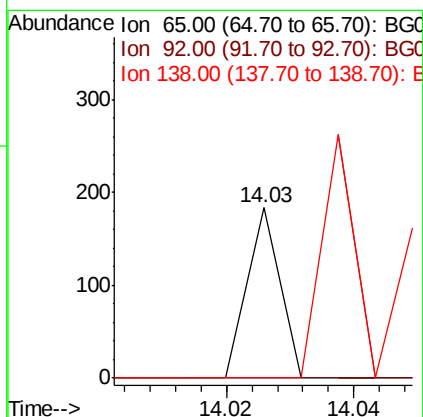
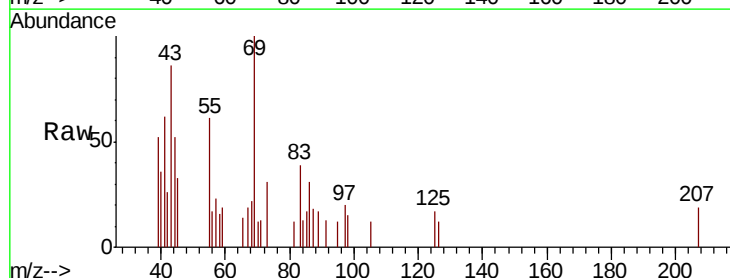
Instrument :
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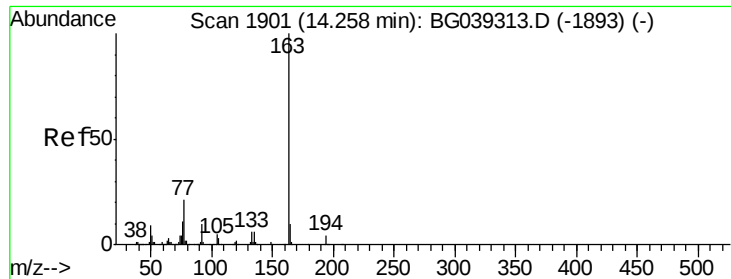
Tgt Ion: 172 Resp: 1086319
 Ion Ratio Lower Upper
 172 100
 171 38.6 30.8 46.2
 170 25.7 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.313 ng
 RT: 14.03 min Scan# 1862
 Delta R.T. 0.13 min
 Lab File: BG039503.D
 Acq: 14 Feb 2019 00:36

Tgt Ion: 65 Resp: 64
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 4.046 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

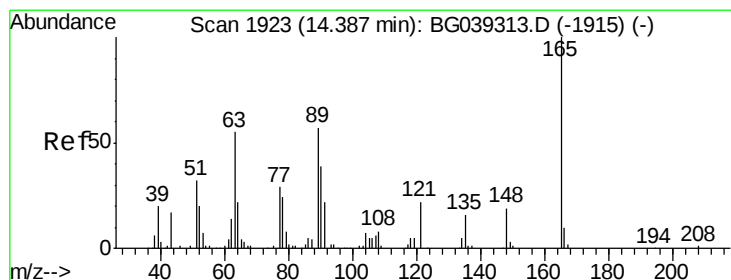
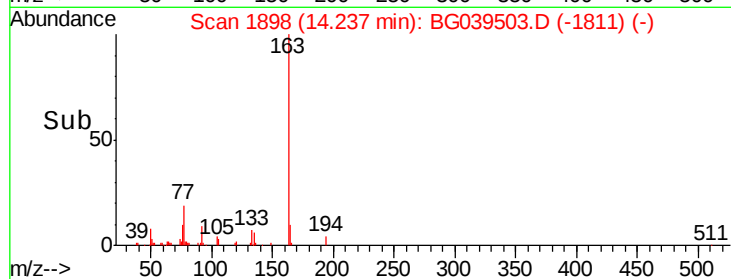
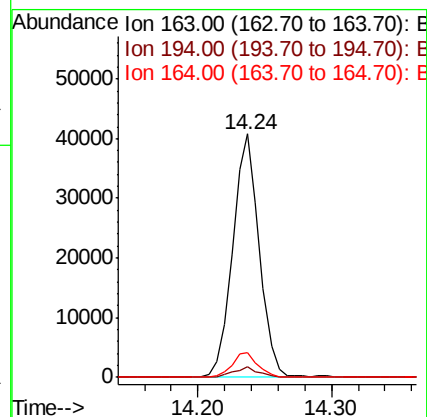
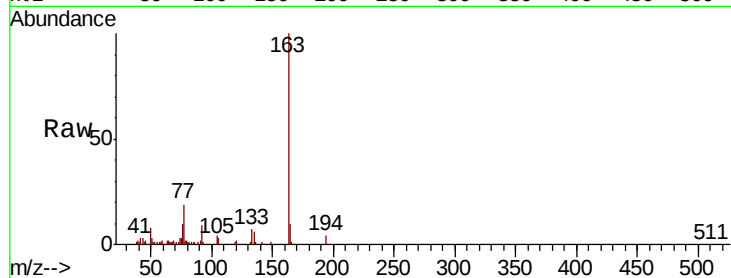
Tgt Ion:163 Resp: 56451

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

164 10.4 8.4 12.6



#51

2,6-Dinitrotoluene

Concen: 13.975 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

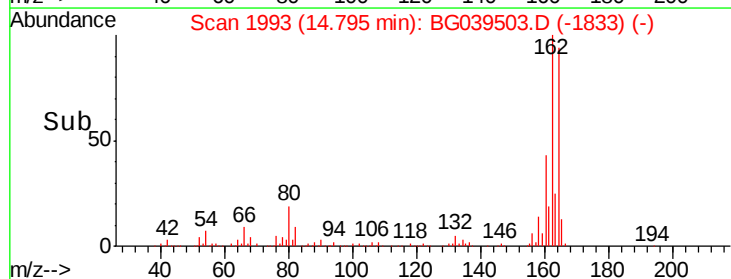
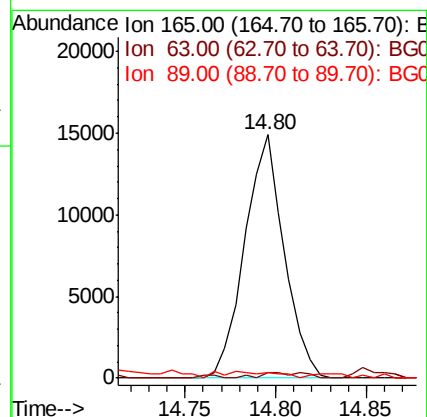
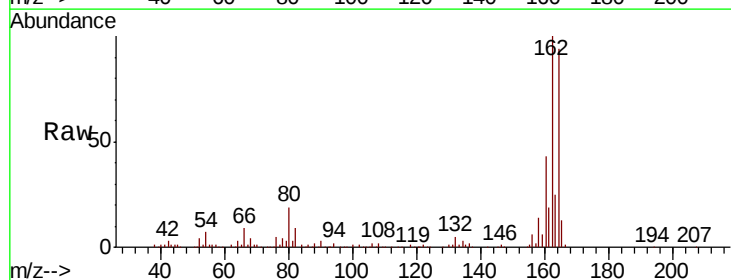
Tgt Ion:165 Resp: 22398

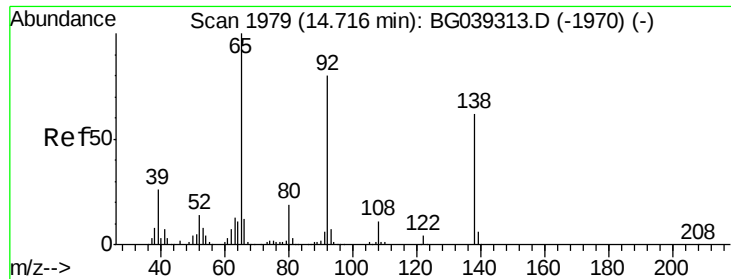
Ion Ratio Lower Upper

165 100

63 2.1 47.0 70.6#

89 2.4 45.8 68.8#

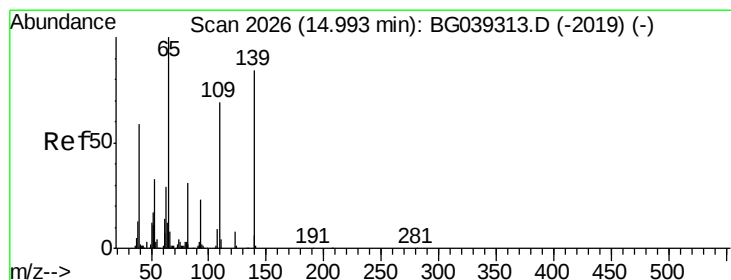
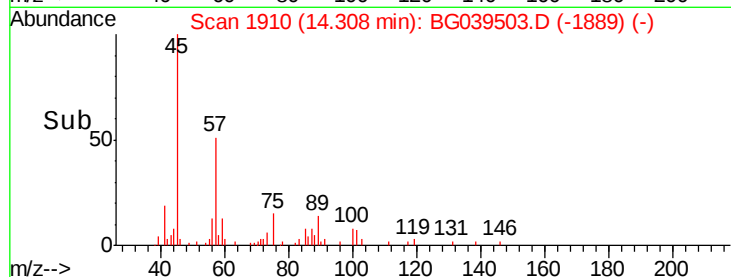
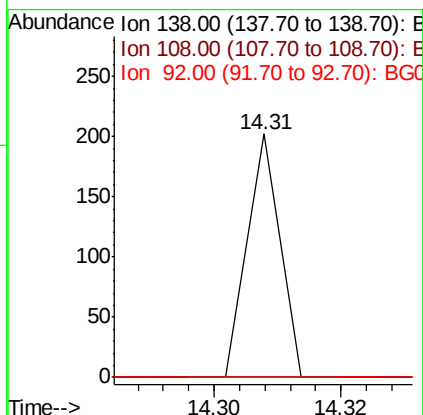
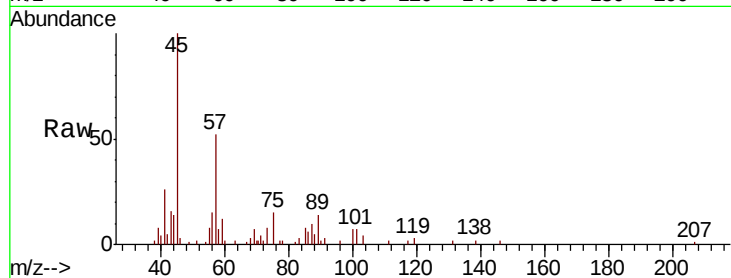




#53
3-Nitroaniline
Concen: 5.815 ng
RT: 14.31 min Scan# 1910
Delta R.T. -0.41 min
Lab File: BG039503.D
Acq: 14 Feb 2019 00:36

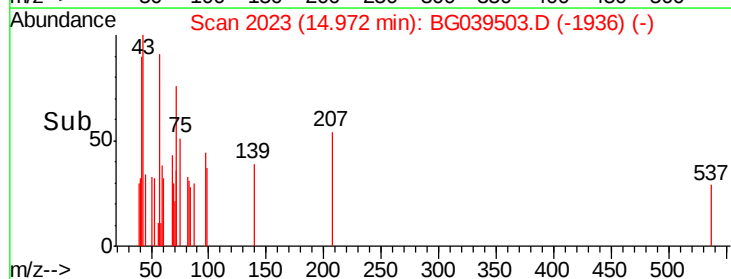
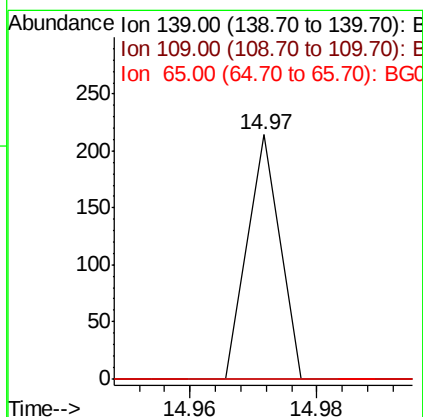
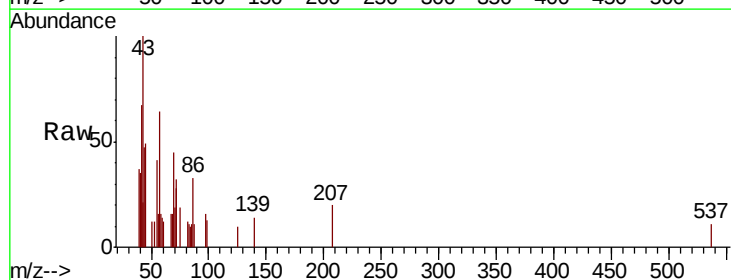
Instrument :
BNA_G
ClientSampleId :
SHORE-RD-BOX-CULVERT-TP

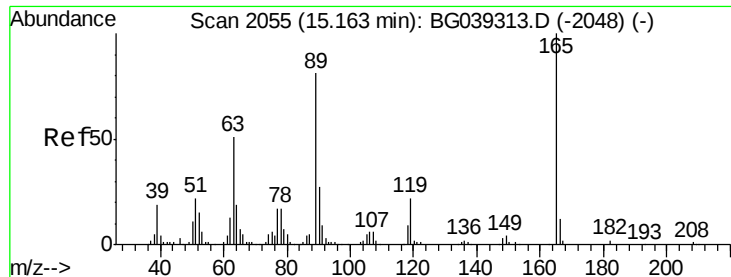
Tgt Ion:138 Resp: 71
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#



#56
4-Nitrophenol
Concen: 5.821 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BG039503.D
Acq: 14 Feb 2019 00:36

Tgt Ion:139 Resp: 75
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#





#57

2,4-Dinitrotoluene

Concen: 13.437 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

Tgt Ion:165 Resp: 22398

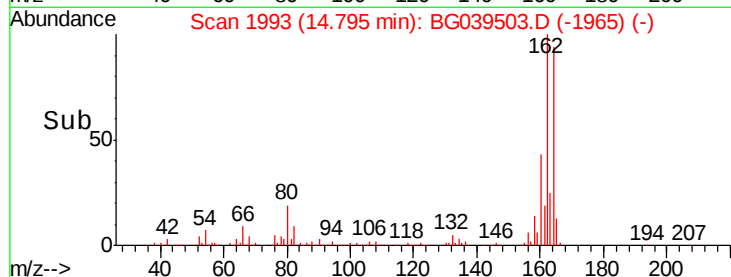
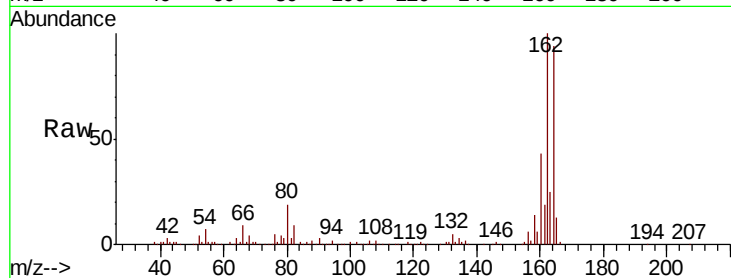
Ion Ratio Lower Upper

165 100

63 2.1 41.0 61.6#

89 2.4 64.6 96.8#

182 0.0 2.0 3.0#

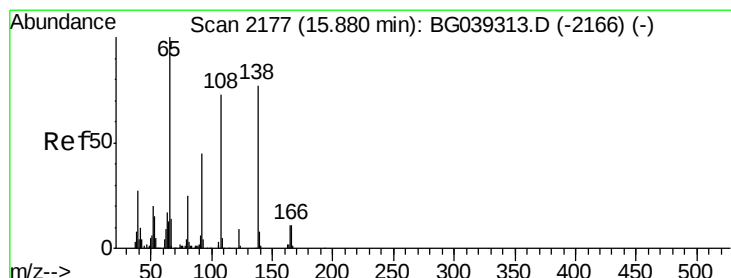
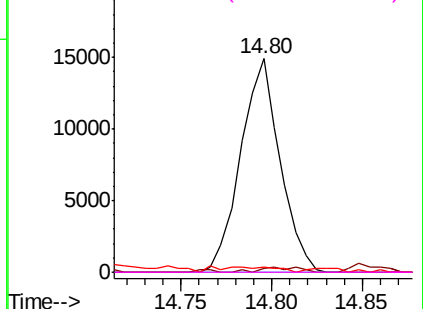


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

4-Nitroaniline

Concen: 4.221 ng

RT: 15.81 min Scan# 2165

Delta R.T. -0.07 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

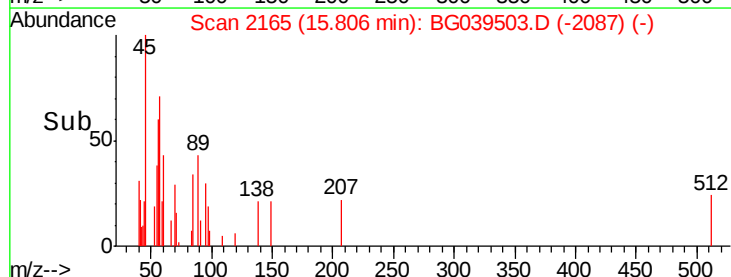
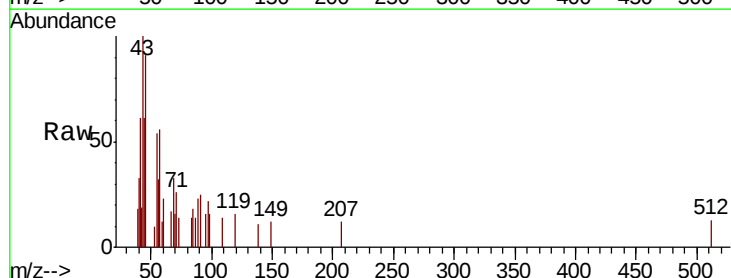
Tgt Ion:138 Resp: 59

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

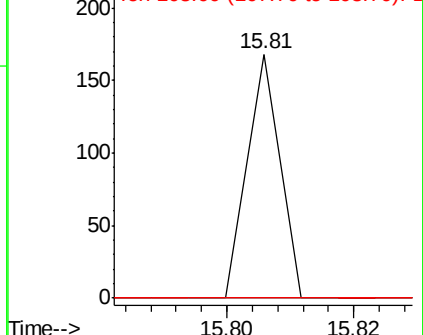
108 0.0 74.6 114.6#

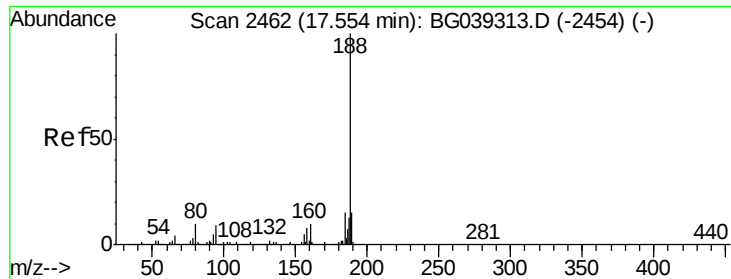


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

Instrument :

BNA_G

ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

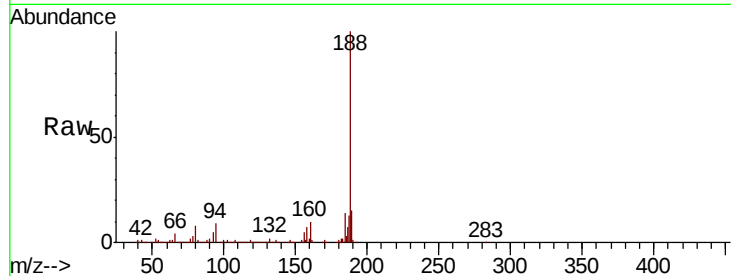
Tgt Ion:188 Resp: 352148

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

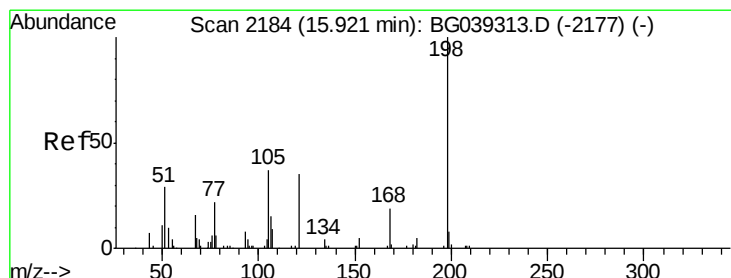
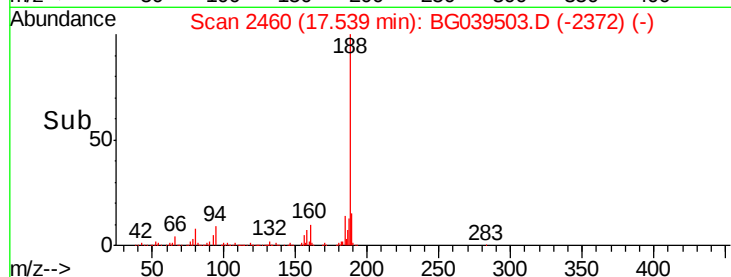
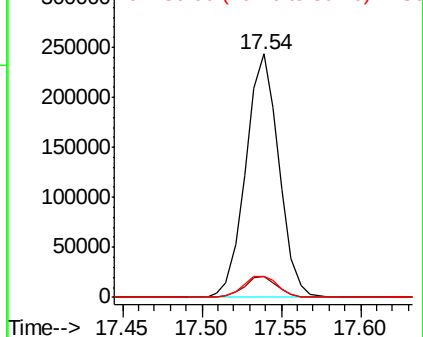
80 8.4 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.658 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039503.D

Acq: 14 Feb 2019 00:36

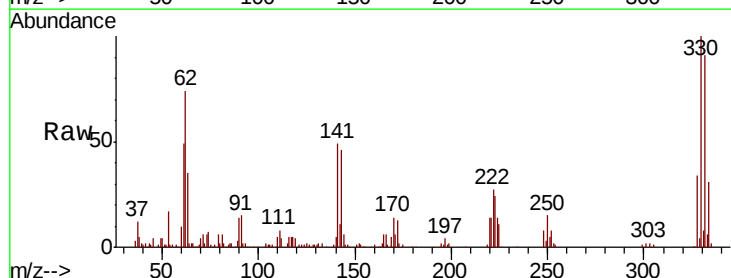
Tgt Ion:198 Resp: 531

Ion Ratio Lower Upper

198 100

51 142.5 27.4 67.4#

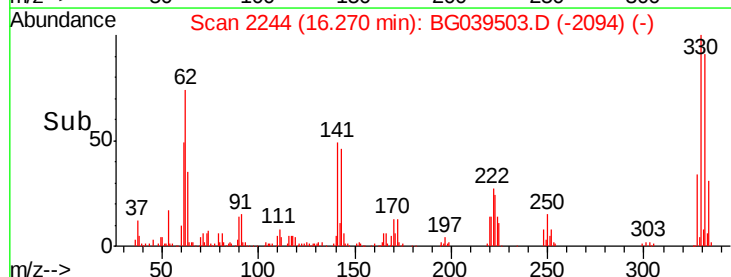
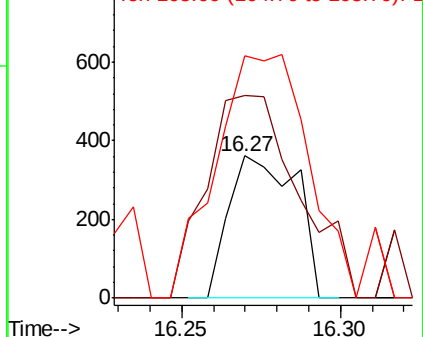
105 170.4 19.7 59.7#

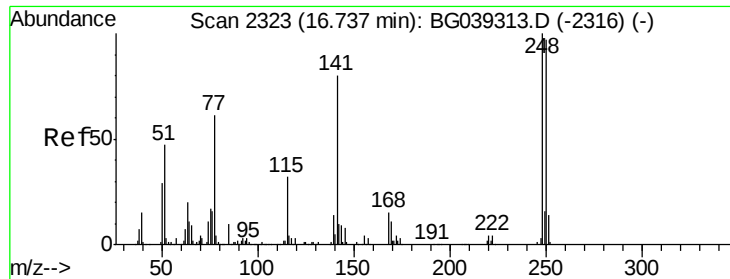


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

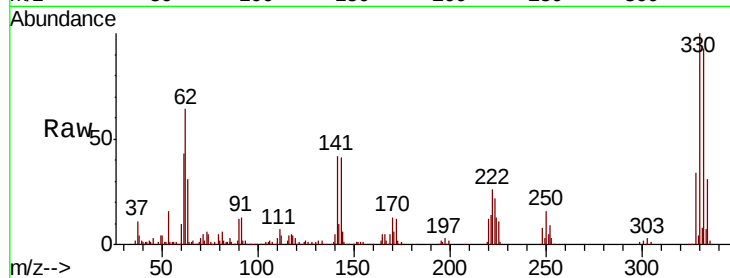




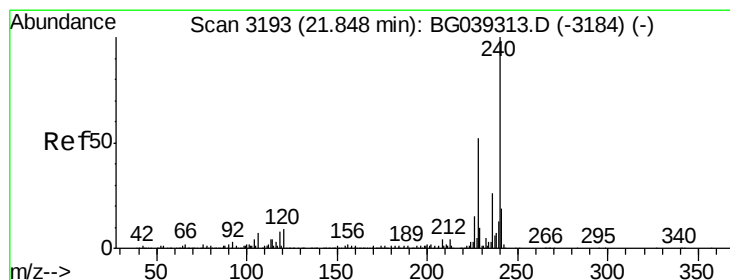
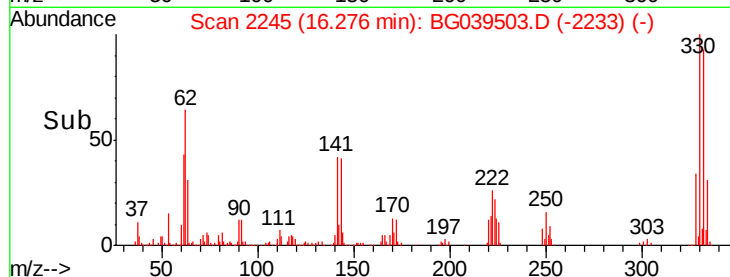
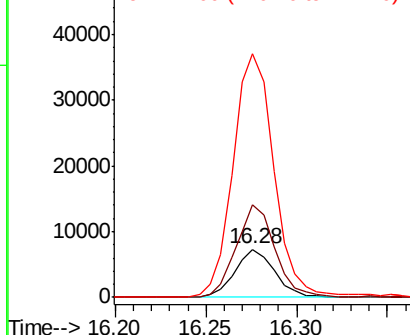
#67
 4-Bromophenyl-phenylether
 Concen: 2.826 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039503.D
 Acq: 14 Feb 2019 00:36

Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-BOX-CULVERT-TP

Tgt Ion:248 Resp: 11039
 Ion Ratio Lower Upper
 248 100
 250 193.2 77.6 116.4#
 141 506.4 63.9 95.9#

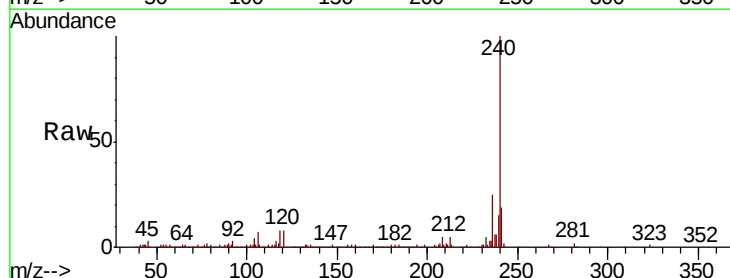


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

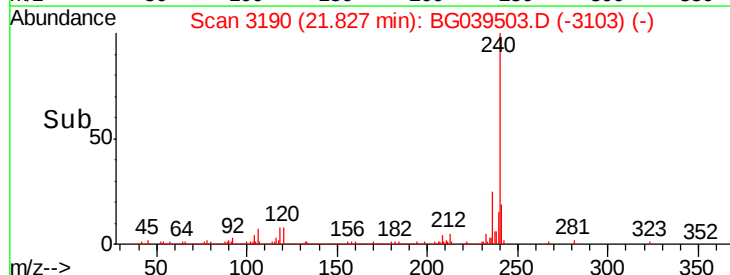
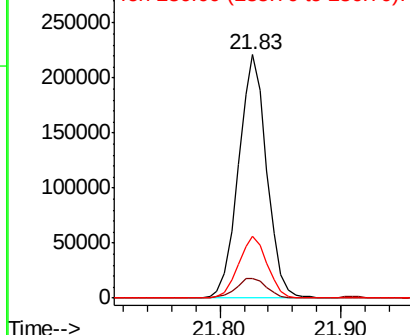


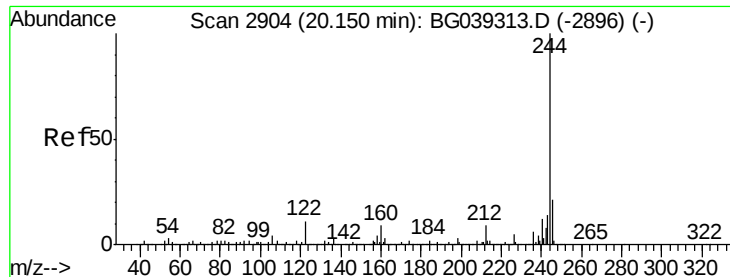
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039503.D
 Acq: 14 Feb 2019 00:36

Tgt Ion:240 Resp: 359152
 Ion Ratio Lower Upper
 240 100
 120 8.3 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

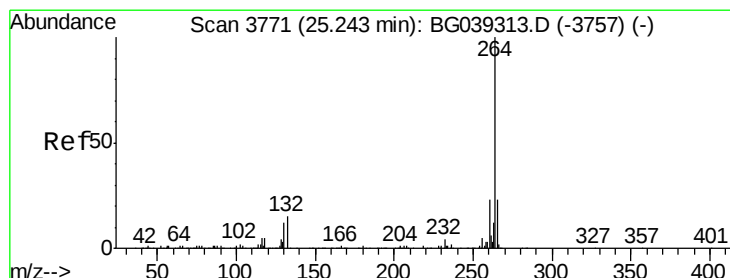
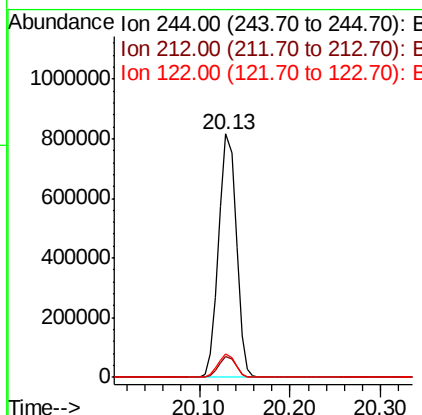
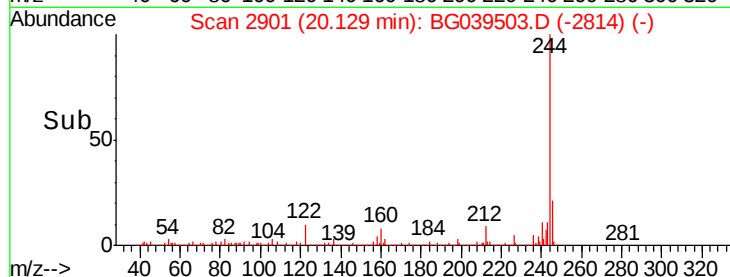
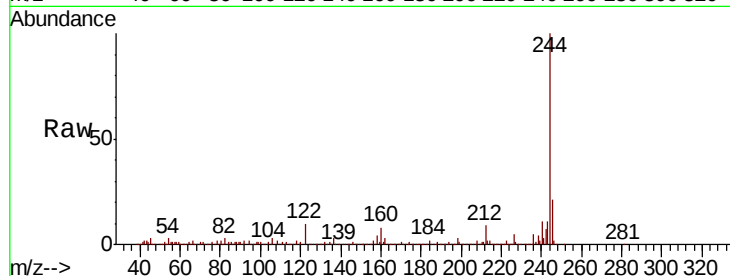




#79
 Terphenyl-d14
 Concen: 64.875 ng
 RT: 20.13 min Scan# 2901
 Delta R.T. -0.02 min
 Lab File: BG039503.D
 Acq: 14 Feb 2019 00:36

Instrument :
 BNA_G
 ClientSampleId :
 SHORE-RD-BOX-CULVERT-TP

Tgt Ion:244 Resp: 1100778
 Ion Ratio Lower Upper
 244 100
 212 8.6 7.3 10.9
 122 9.9 8.4 12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3765
 Delta R.T. -0.04 min
 Lab File: BG039503.D
 Acq: 14 Feb 2019 00:36

Tgt Ion:264 Resp: 368357
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.2 27.4
 265 21.1 18.5 27.7

