

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032219\
 Data File : BG040113.D
 Acq On : 23 Mar 2019 12:12
 Operator : JU/SJ
 Sample : K2035-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 22:17:34 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

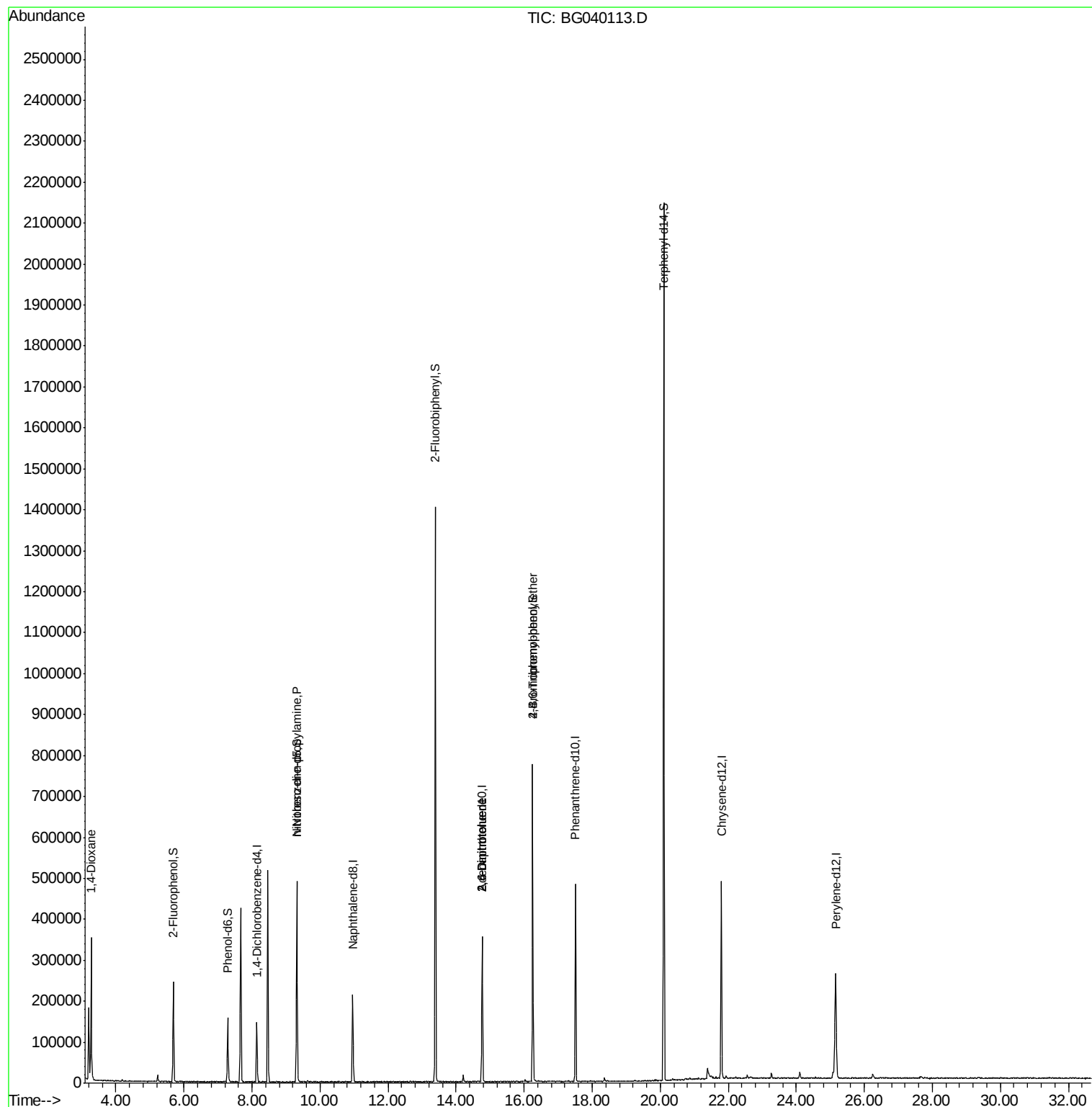
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	42108	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	186272	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	128461	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	306479	20.00	ng	-0.03
76) Chrysene-d12	21.80	240	295804	20.00	ng	-0.03
87) Perylene-d12	25.16	264	298251	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	102744	41.63	ng	-0.03
7) Phenol-d6	7.29	99	94077	25.56	ng	-0.03
23) Nitrobenzene-d5	9.32	82	288775	83.85	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	132925	88.78	ng	-0.03
45) 2-Fluorobiphenyl	13.39	172	736493	81.63	ng	-0.03
79) Terphenyl-d14	20.11	244	980546	72.99	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.27	88	2881	2.528	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	37473	14.146	ng	# 68
51) 2,6-Dinitrotoluene	14.77	165	16645	7.309	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	16645	5.202	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	10300	3.002	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# 861

Delta R.T. -0.03 min

Lab File: BG040113.D

Acq: 23 Mar 2019 12:12

Instrument :

BNA_G

ClientSampleId :

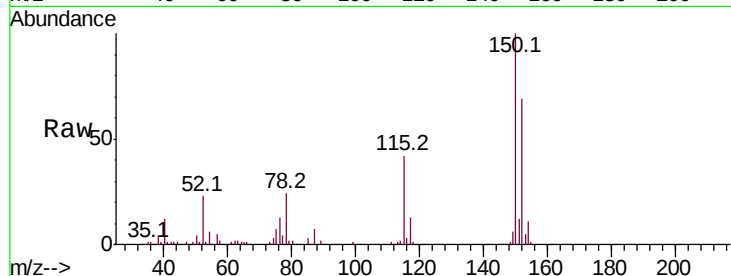
Tot Ion:152 Resp: 42108

Ion Ratio Lower Upper

152 100

150 145.8 123.7 185.5

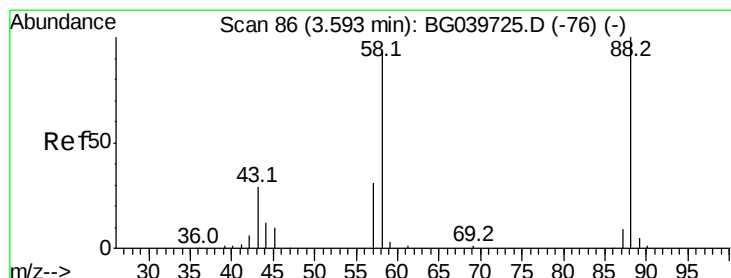
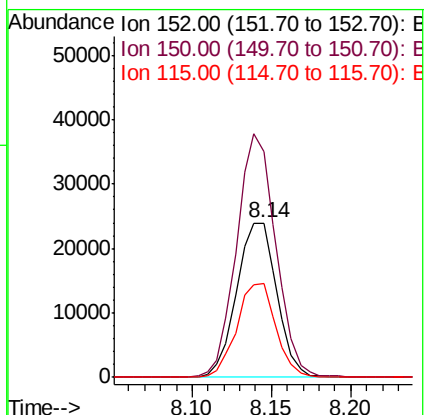
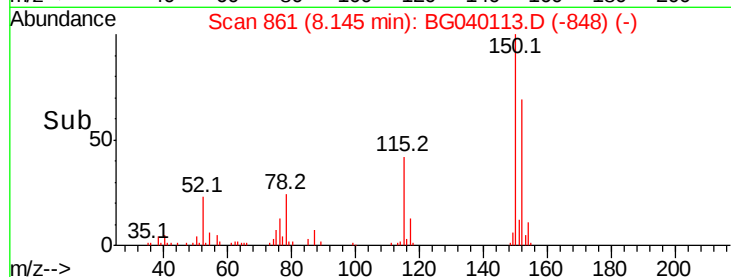
115 60.6 45.9 68.9



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: 2.528 ng

RT: 3.27 min Scan# 31

Delta R.T. -0.34 min

Lab File: BG040113.D

Acq: 23 Mar 2019 12:12

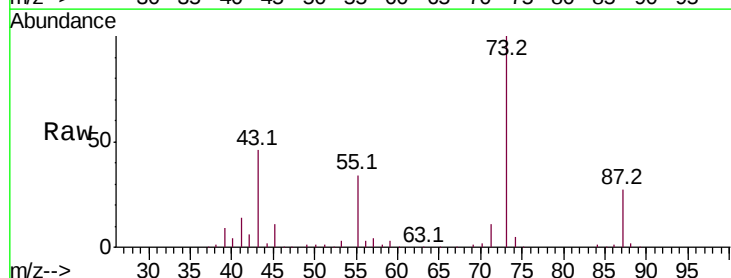
Tgt Ion: 88 Resp: 2881

Ion Ratio Lower Upper

88 100

58 27.7 81.1 121.7#

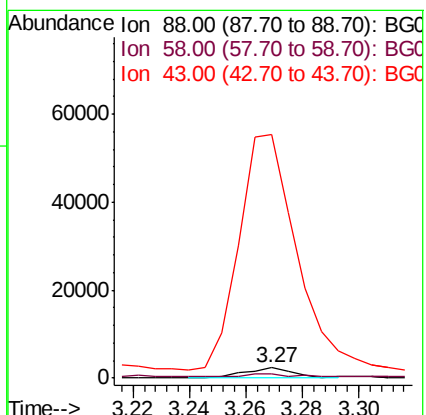
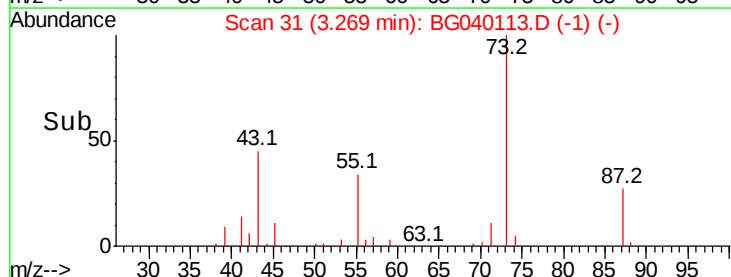
43 2803.3 31.4 47.0#

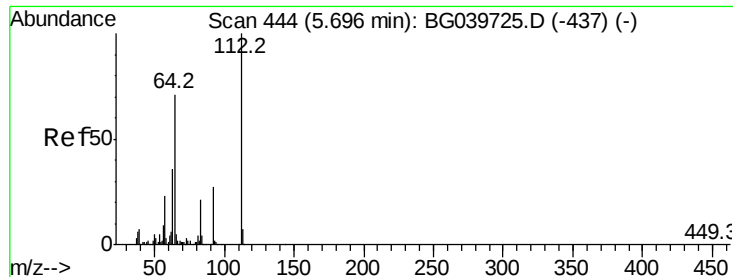


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 41.627 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.03 min

Lab File: BG040113.D

Acq: 23 Mar 2019 12:12

Instrument :

BNA_G

ClientSampled :

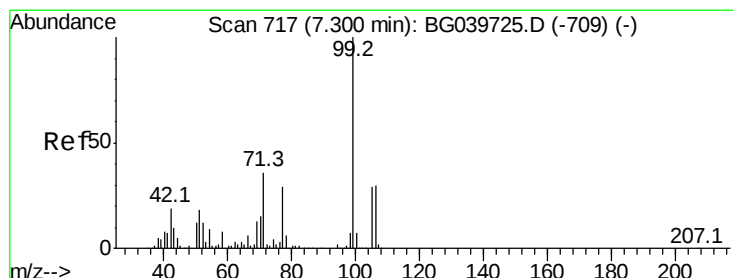
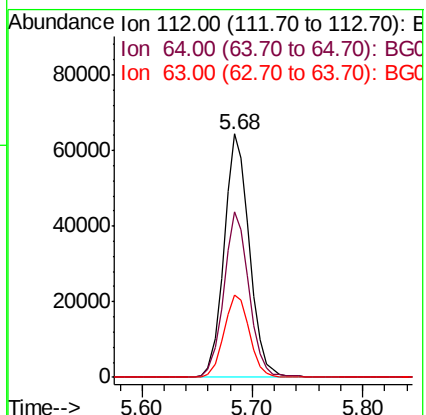
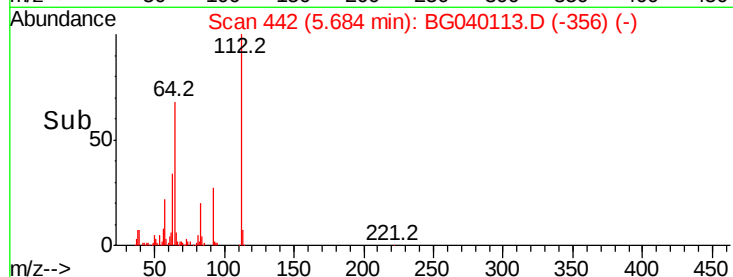
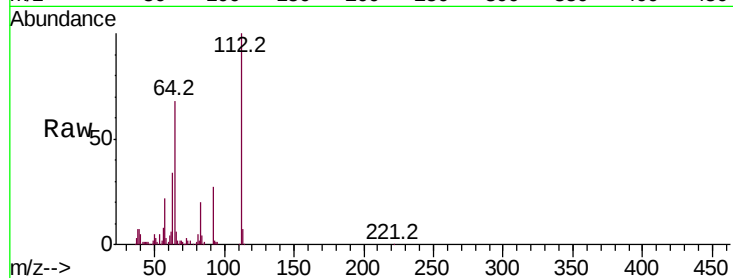
Tot Ion:112 Resp: 102744

Ion Ratio Lower Upper

112 100

64 67.9 57.8 86.8

63 34.0 29.8 44.6



#7

Phenol-d6

Concen: 25.563 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.03 min

Lab File: BG040113.D

Acq: 23 Mar 2019 12:12

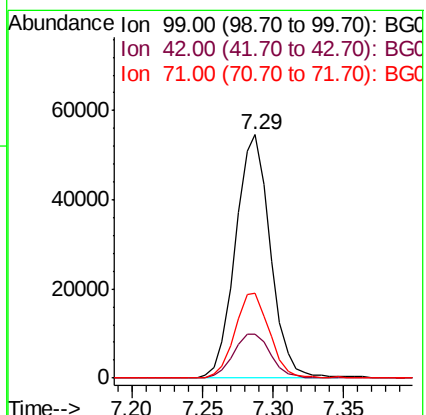
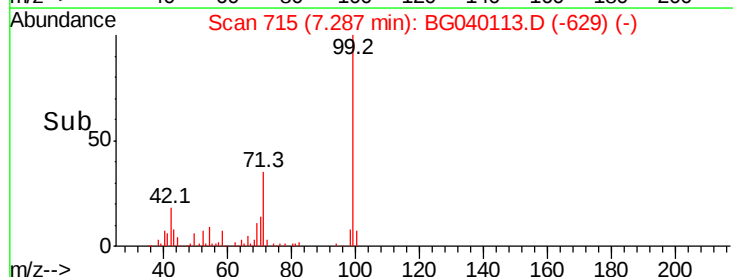
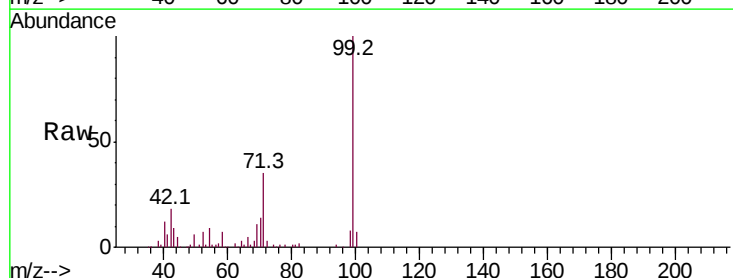
Tgt Ion: 99 Resp: 94077

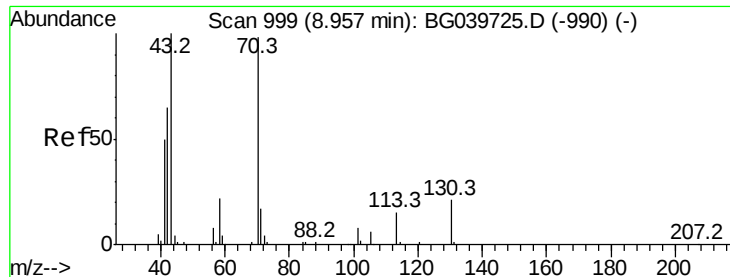
Ion Ratio Lower Upper

99 100

42 18.2 18.2 27.2

71 34.7 28.0 42.0

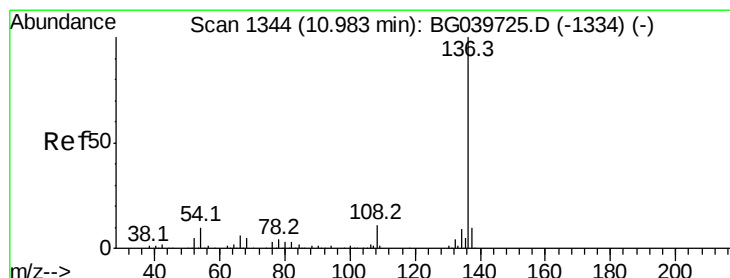
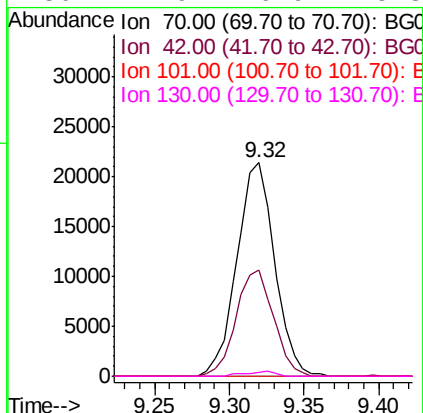
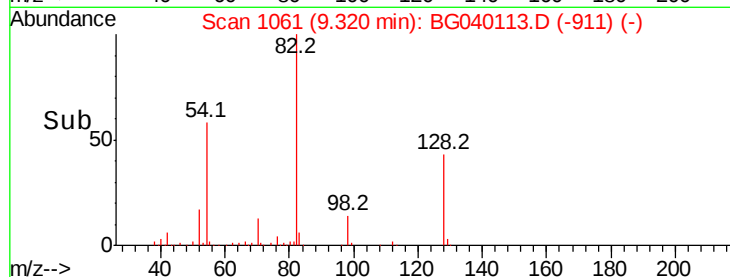
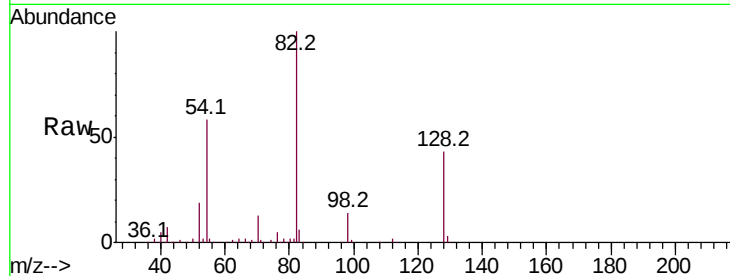




#19
n-Nitroso-di-n-propylamine
Concen: 14.146 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040113.D
Acq: 23 Mar 2019 12:12

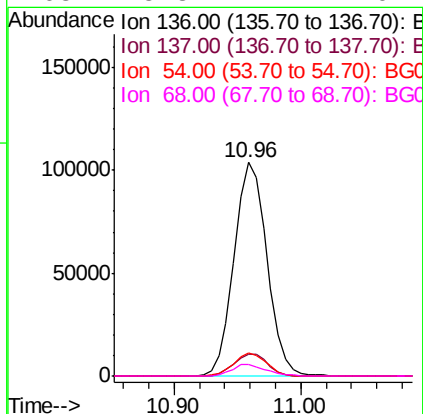
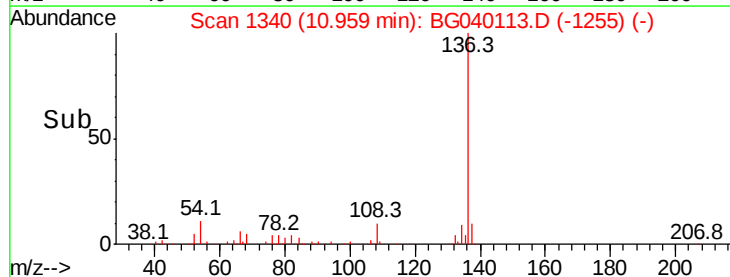
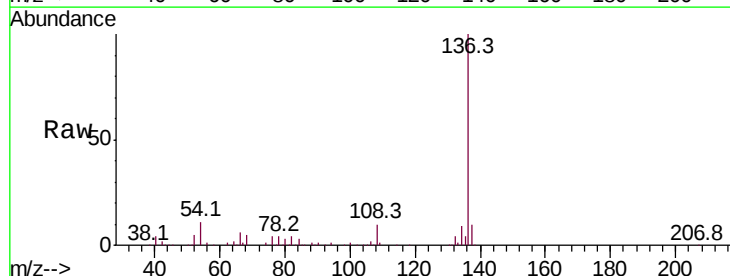
Instrument :
BNA_G
ClientSampleId :

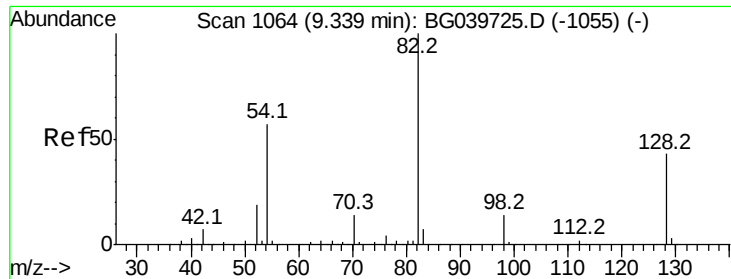
Tot Ion: 70 Resp: 37473
Ion Ratio Lower Upper
70 100
42 49.7 60.4 90.6#
101 0.0 7.5 11.3#
130 1.9 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040113.D
Acq: 23 Mar 2019 12:12

Tgt Ion: 136 Resp: 186272
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 10.8 9.4 14.2
68 5.3 4.2 6.4

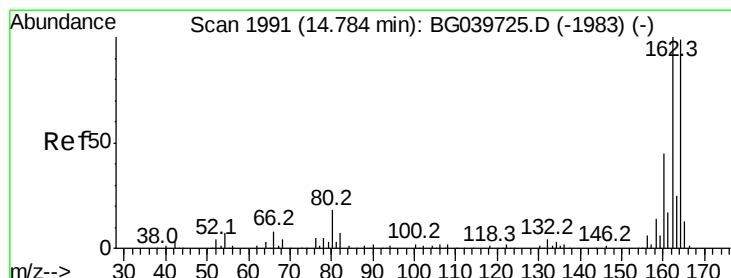
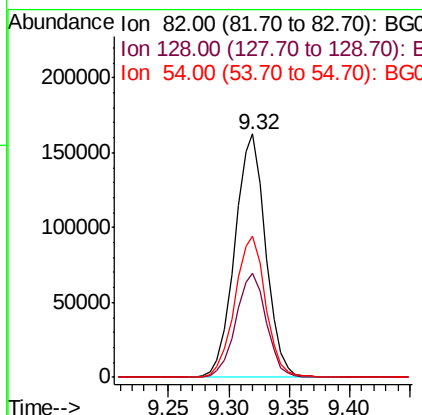
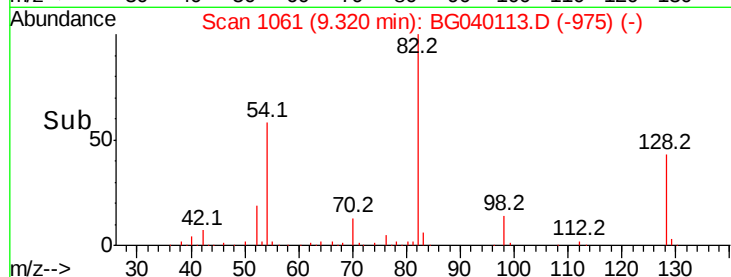
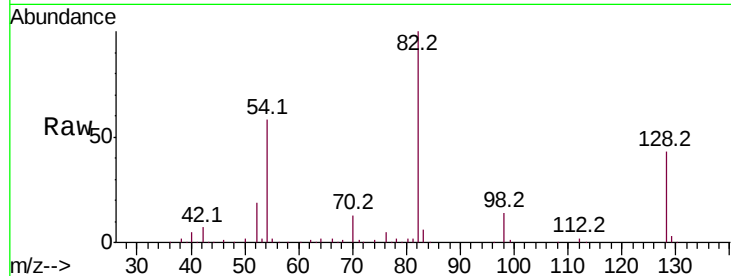




#23
Nitrobenzene-d5
Concen: 83.846 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BG040113.D
Acq: 23 Mar 2019 12:12

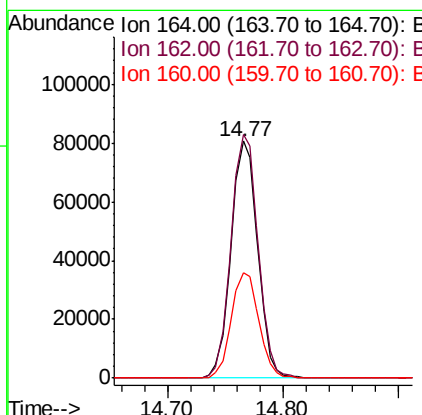
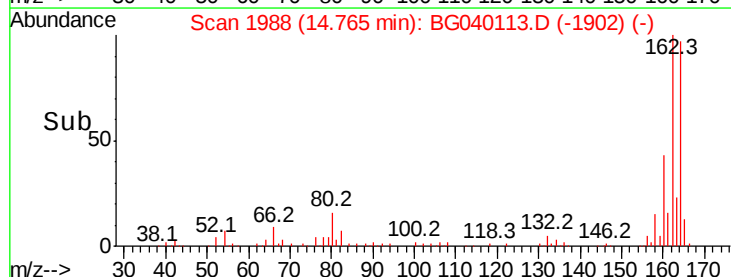
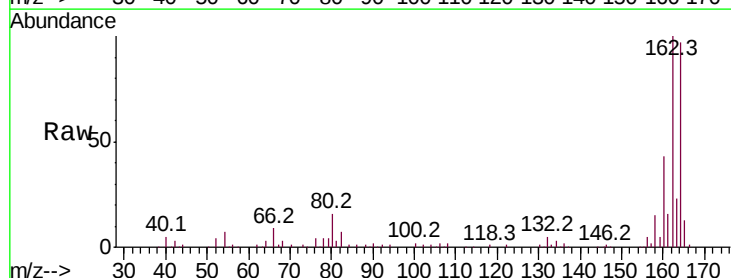
Instrument :
BNA_G
ClientSampled :

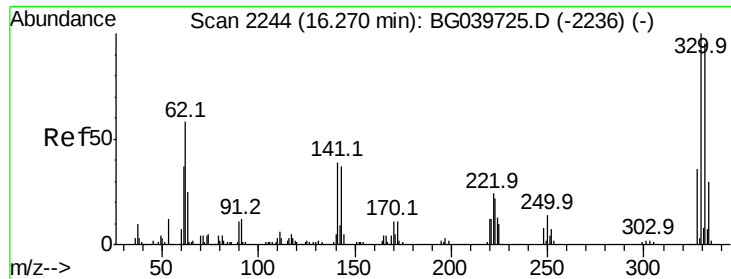
Tot Ion: 82 Resp: 288775
Ion Ratio Lower Upper
82 100
128 43.0 31.3 46.9
54 57.9 50.9 76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.03 min
Lab File: BG040113.D
Acq: 23 Mar 2019 12:12

Tgt Ion:164 Resp: 128461
Ion Ratio Lower Upper
164 100
162 102.8 81.6 122.4
160 44.4 34.2 51.2

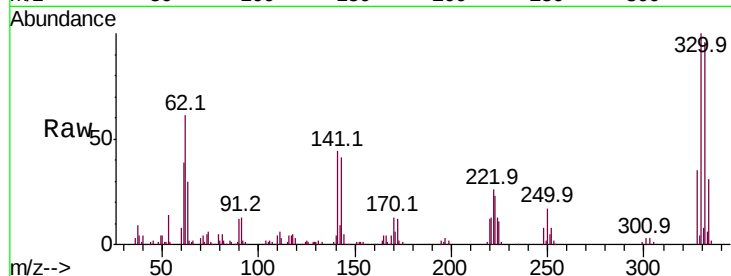




#42
 2,4,6-Tribromophenol
 Concen: 88.776 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.03 min
 Lab File: BG040113.D
 Acq: 23 Mar 2019 12:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.7	113.5
141	41.1	35.6	53.4

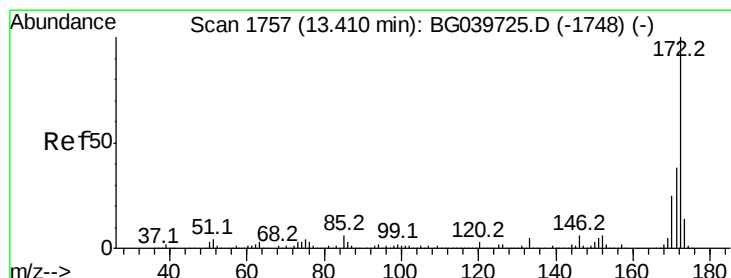
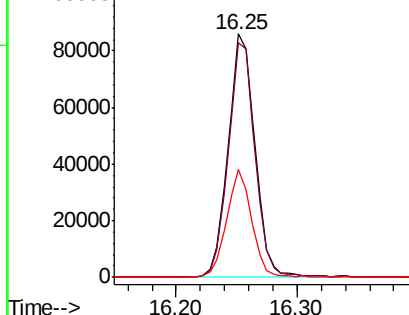
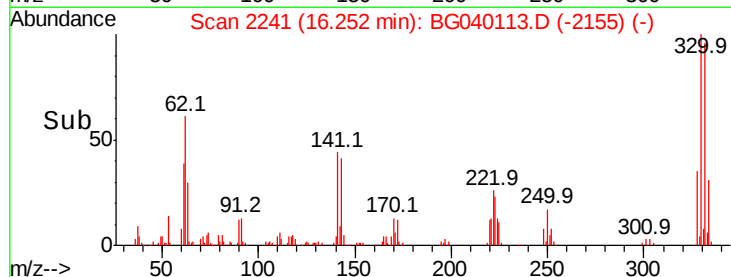


Abundance

Ion 329.80 (329.50 to 330.50): E

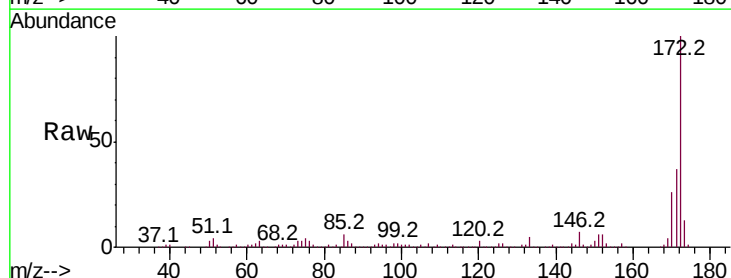
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.631 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.03 min
 Lab File: BG040113.D
 Acq: 23 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.8	46.2
170	25.5	20.2	30.4

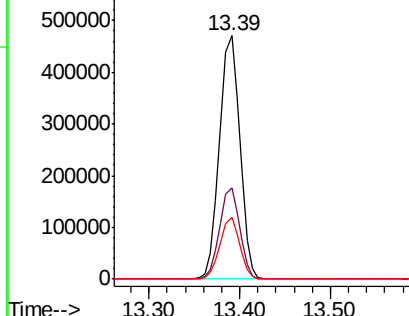
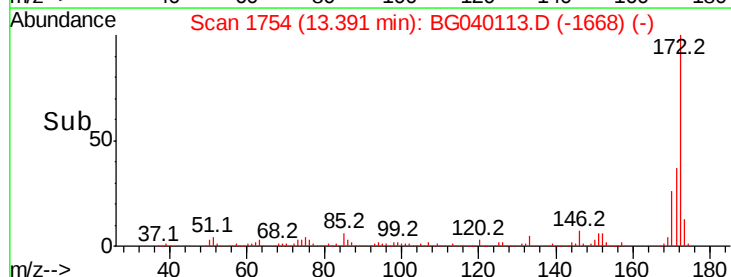


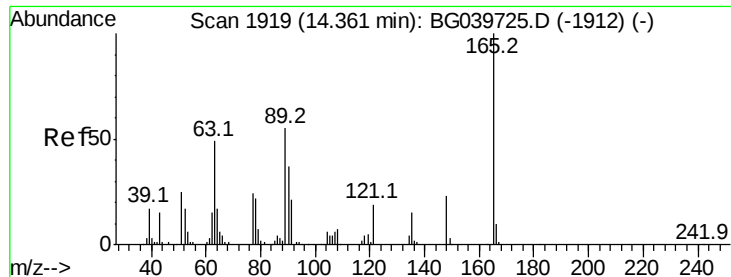
Abundance

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

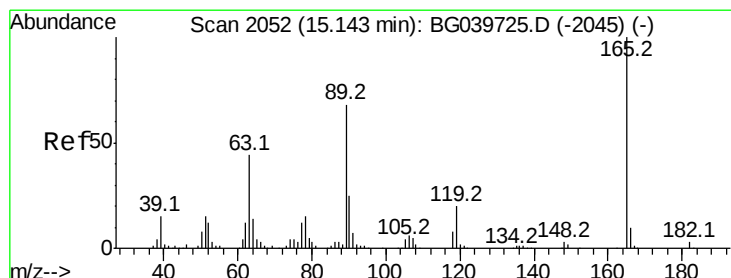
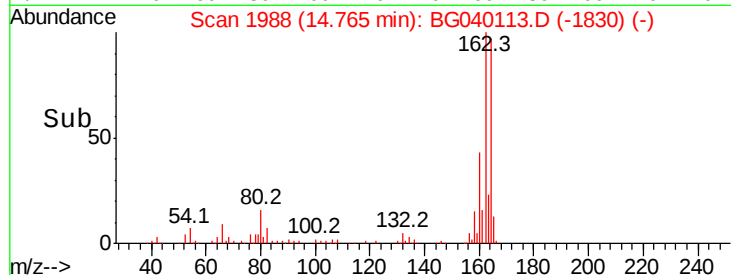
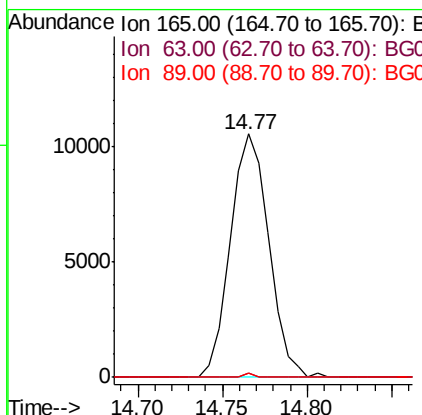
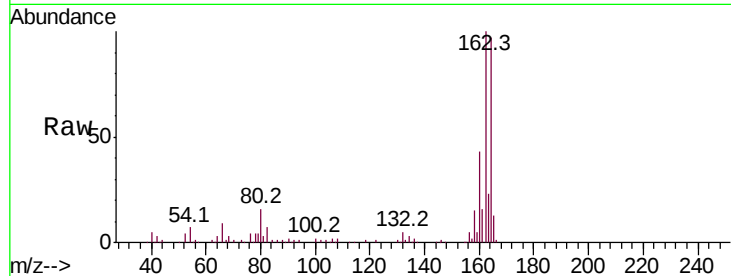




#51
 2,6-Dinitrotoluene
 Concen: 7.309 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040113.D
 Acq: 23 Mar 2019 12:12

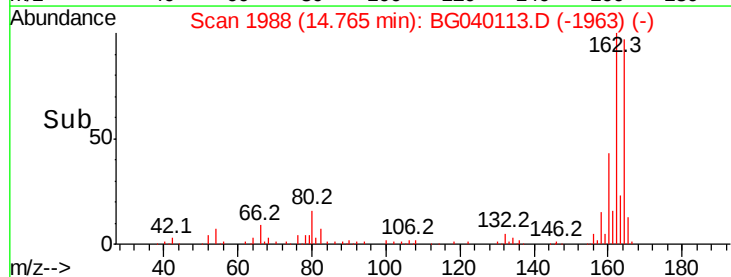
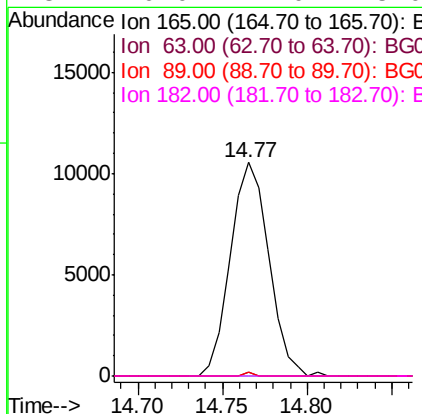
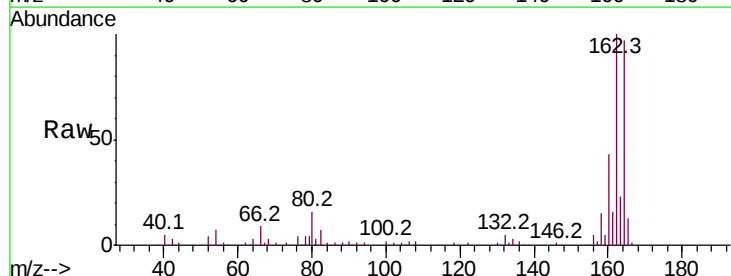
Instrument :
 BNA_G
 ClientSampleId :

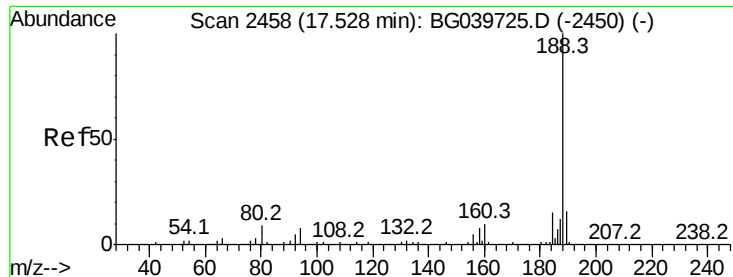
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	47.0	70.6#
89	1.8	45.8	68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.202 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040113.D
 Acq: 23 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.0	61.6#
89	1.8	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.03 min

Lab File: BG040113.D

Acq: 23 Mar 2019 12:12

Instrument :

BNA_G

ClientSampled :

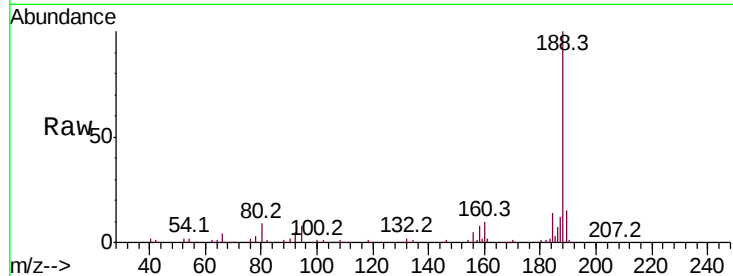
Tot Ion:188 Resp: 306479

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

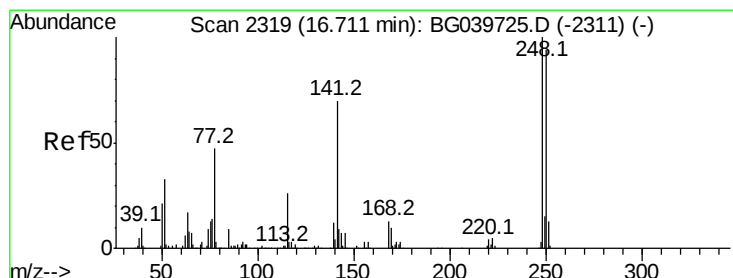
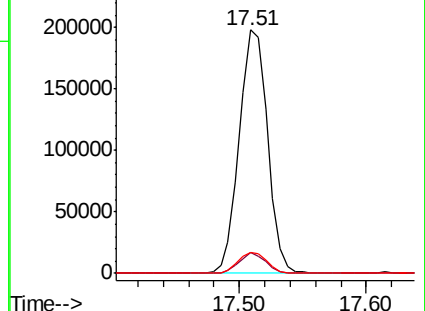
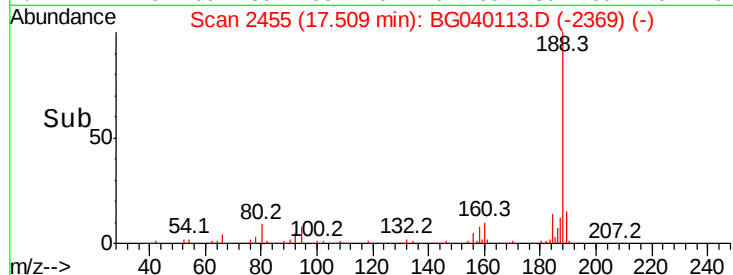
80 8.7 8.1 12.1



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: 3.002 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG040113.D

Acq: 23 Mar 2019 12:12

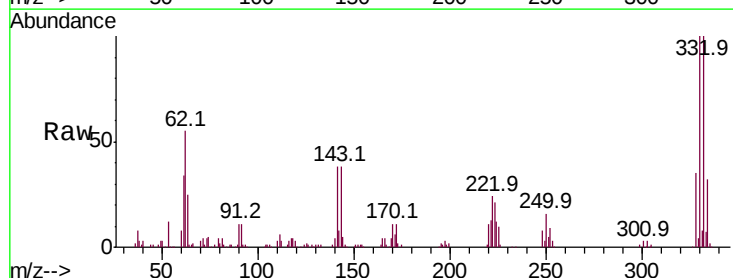
Tgt Ion:248 Resp: 10300

Ion Ratio Lower Upper

248 100

250 189.1 77.6 116.4#

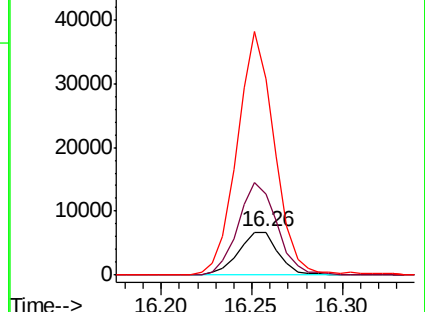
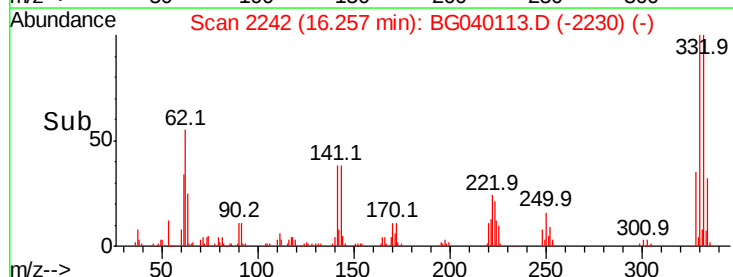
141 454.3 63.9 95.9#

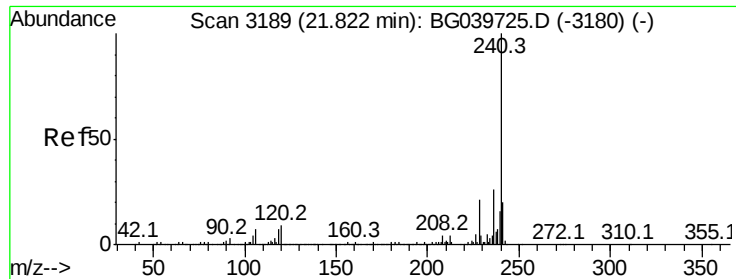


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.80 min Scan# 3185

Delta R.T. -0.03 min

Lab File: BG040113.D

Acq: 23 Mar 2019 12:12

Instrument :

BNA_G

ClientSampleId :

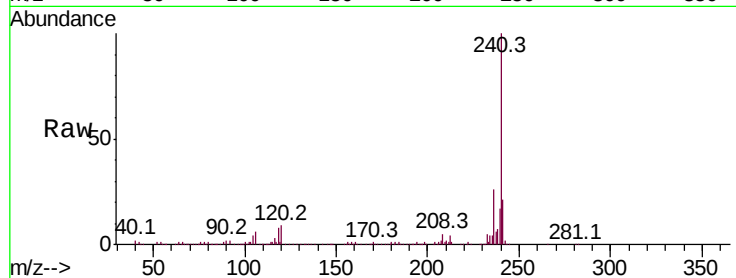
Tot Ion:240 Resp: 295804

Ion Ratio Lower Upper

240 100

120 8.8 7.0 10.6

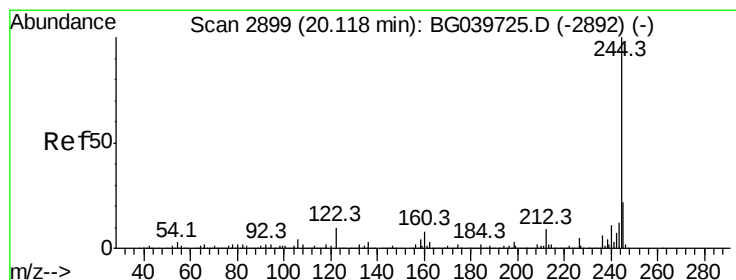
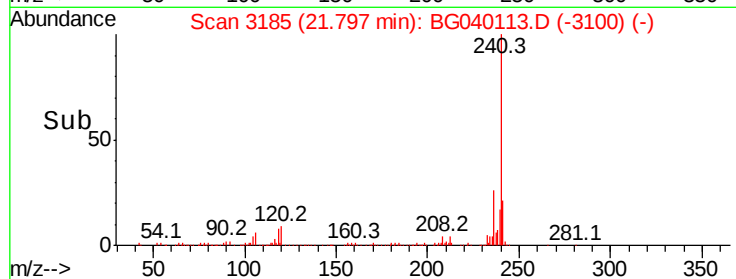
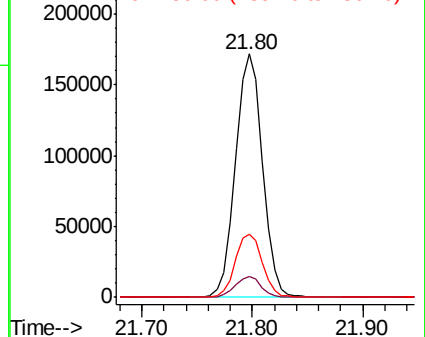
236 26.0 21.0 31.4



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: 72.987 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040113.D

Acq: 23 Mar 2019 12:12

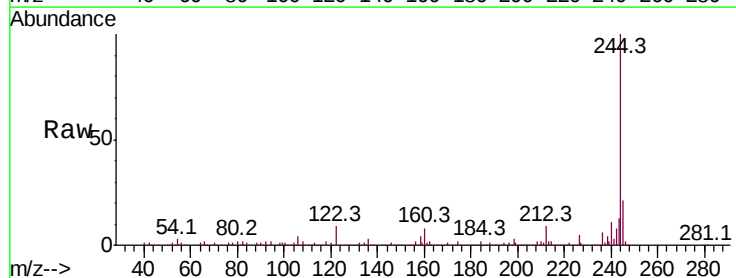
Tgt Ion:244 Resp: 980546

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

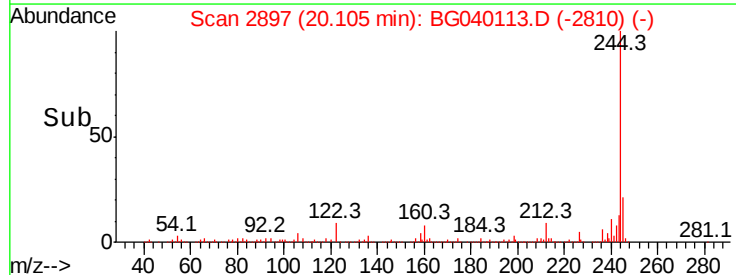
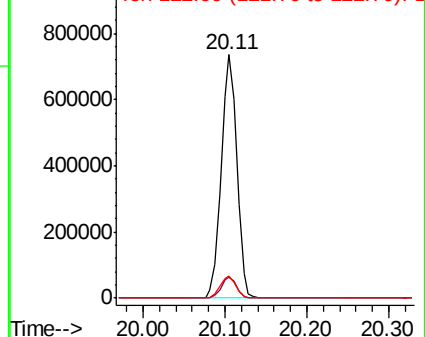
122 8.9 8.4 12.6

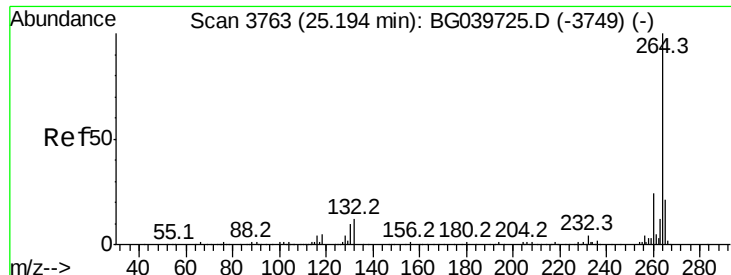


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

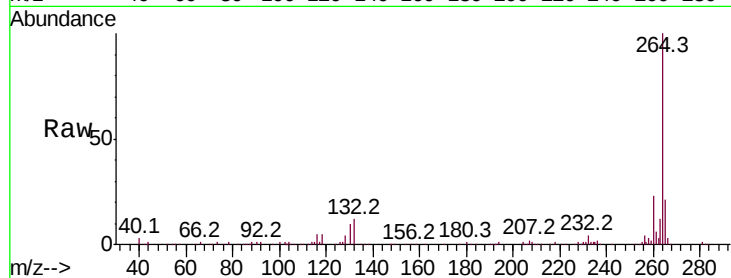




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040113.D
Acq: 23 Mar 2019 12:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	21.2	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

