

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042655.D
 Acq On : 1 Sep 2019 5:59
 Operator : HP/JU
 Sample : K4602-33
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 06:58:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

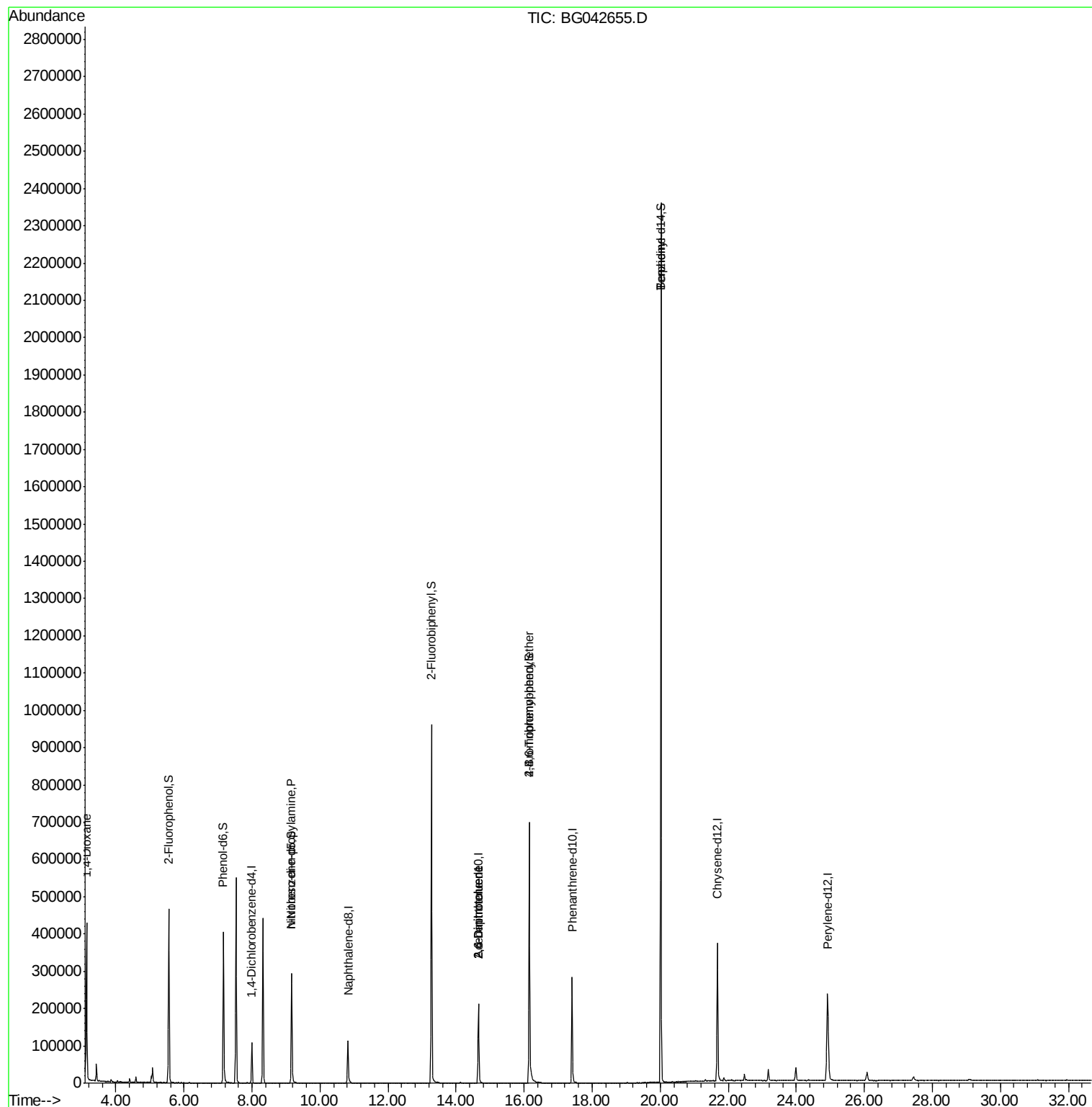
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	35492	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	131369	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	95135	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	233323	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	261812	20.00	ng	-0.01
87) Perylene-d12	24.91	264	298802	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	230248	131.39	ng	0.00
7) Phenol-d6	7.16	99	274088	115.79	ng	-0.01
23) Nitrobenzene-d5	9.16	82	189573	99.72	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	206627	152.81	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	620446	110.30	ng	0.00
79) Terphenyl-d14	20.02	244	1266193	104.56	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	4584	6.268	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	26029	16.973	ng	# 73
51) 2,6-Dinitrotoluene	14.66	165	12280	7.718	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12280	5.390	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	14366	4.854	ng	# 1
77) Benzidine	20.01	184	15453	2.059	ng	# 94

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
Data File : BG042655.D
Acq On : 1 Sep 2019 5:59
Operator : HP/JU
Sample : K4602-33
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 01 06:58:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration



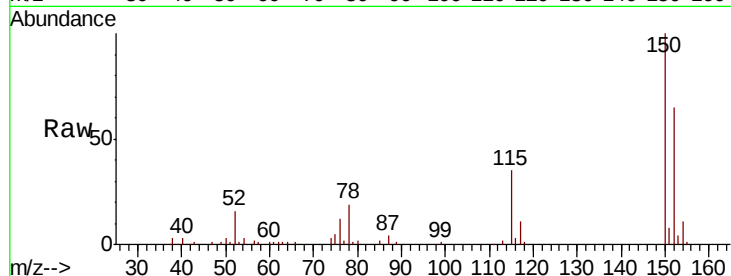


#1

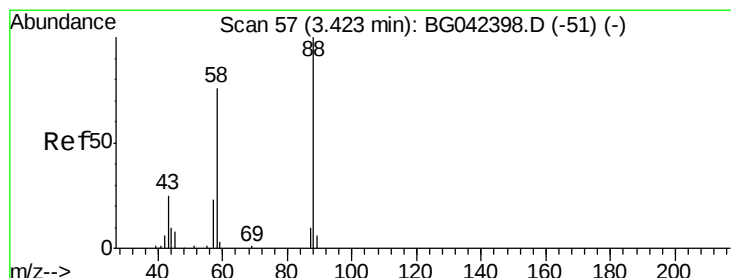
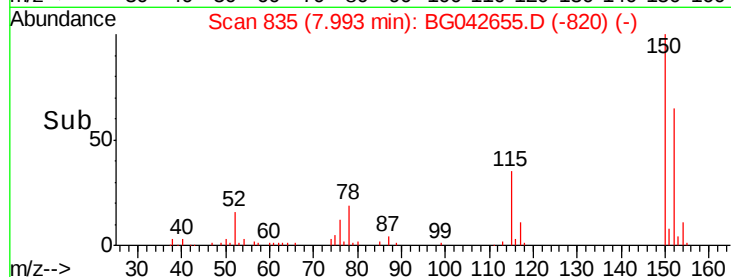
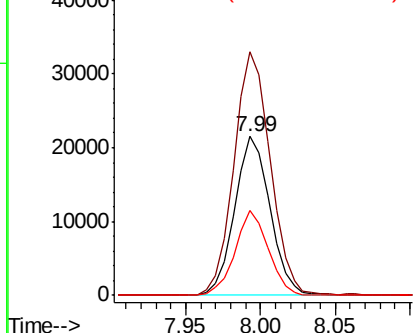
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042655.D
Acq: 1 Sep 2019 5:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35492
Ion Ratio Lower Upper
152 100
150 153.3 125.4 188.0
115 53.5 38.5 57.7



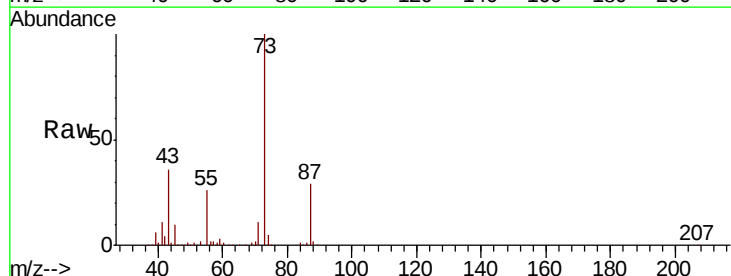
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



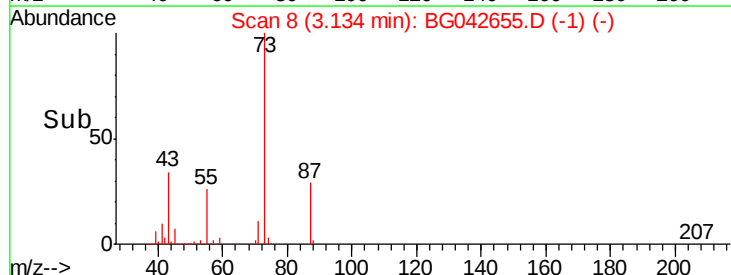
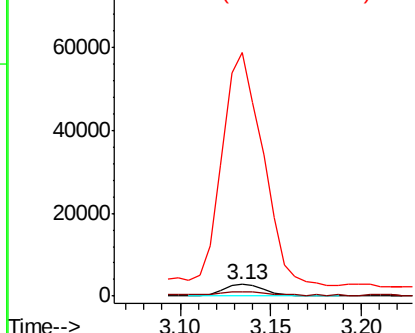
#2

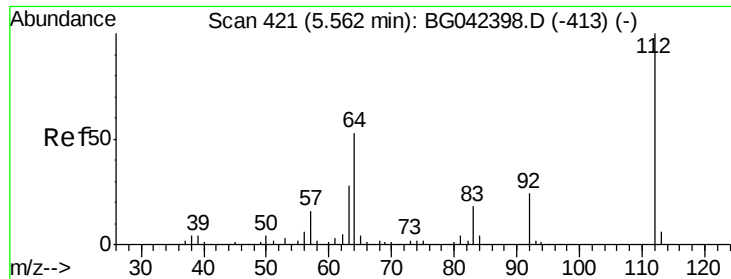
1,4-Dioxane
Concen: 6.268 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042655.D
Acq: 1 Sep 2019 5:59

Tgt Ion: 88 Resp: 4584
Ion Ratio Lower Upper
88 100
58 42.5 58.3 87.5#
43 1916.6 20.2 30.2#



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: 131.387 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042655.D

Acq: 1 Sep 2019 5:59

Instrument :

BNA_G

ClientSampled :

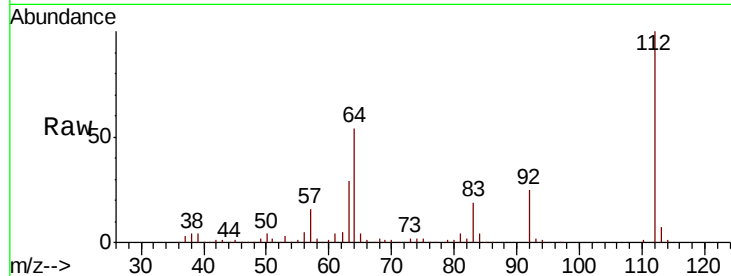
Tot Ion: 112 Resp: 230248

Ion Ratio Lower Upper

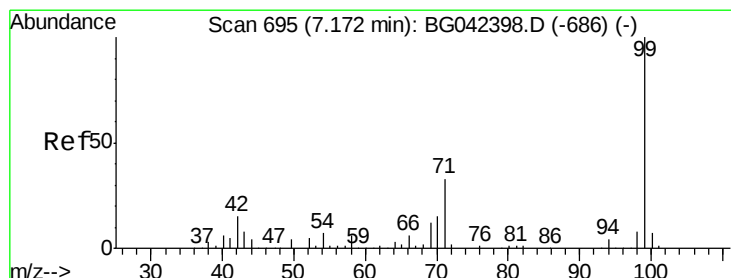
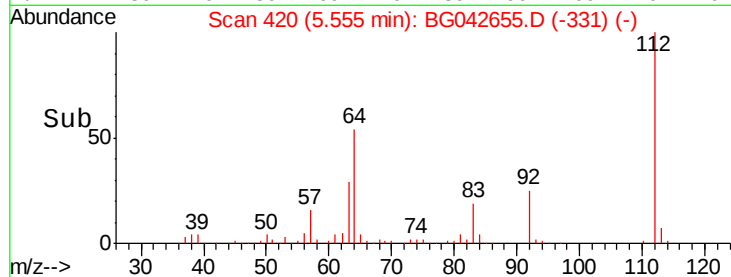
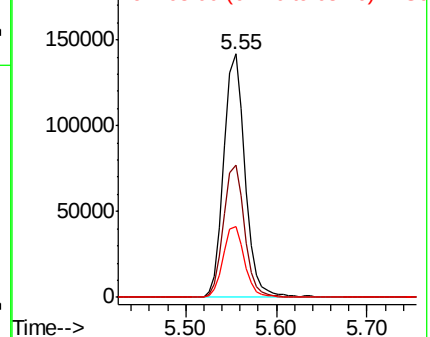
112 100

64 54.5 42.8 64.2

63 29.2 22.7 34.1



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: 115.788 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042655.D

Acq: 1 Sep 2019 5:59

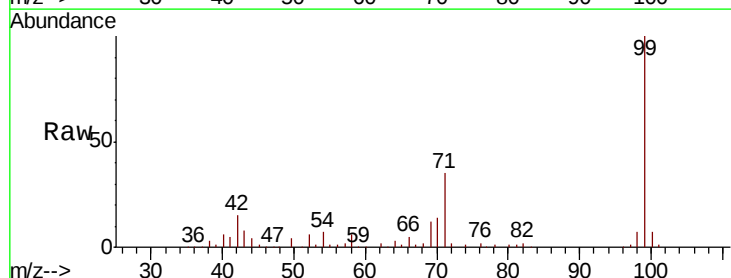
Tgt Ion: 99 Resp: 274088

Ion Ratio Lower Upper

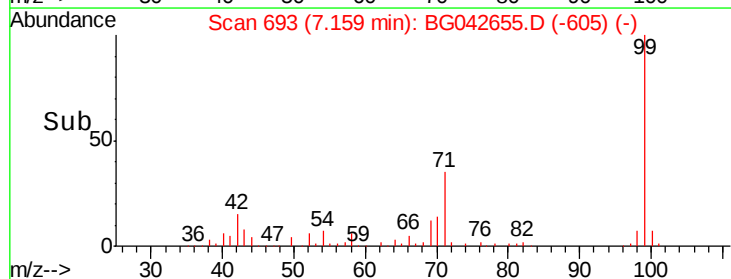
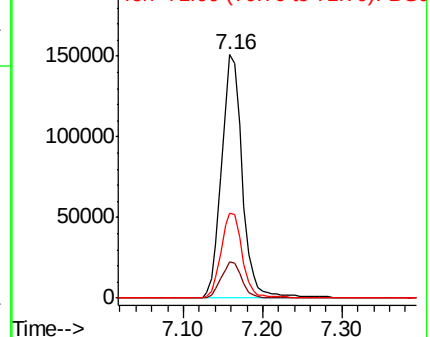
99 100

42 14.8 12.0 18.0

71 35.0 26.3 39.5



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





#19

n-Nitroso-di-n-propylamine

Concen: 16.973 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042655.D

Acq: 1 Sep 2019 5:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 26029

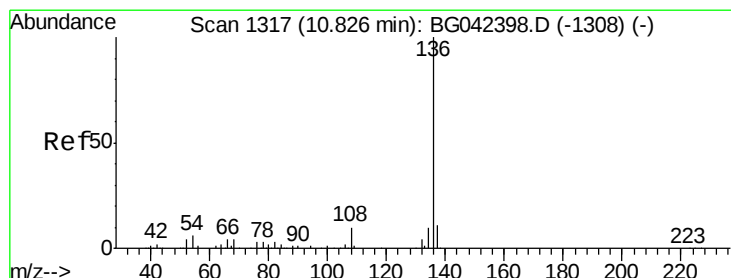
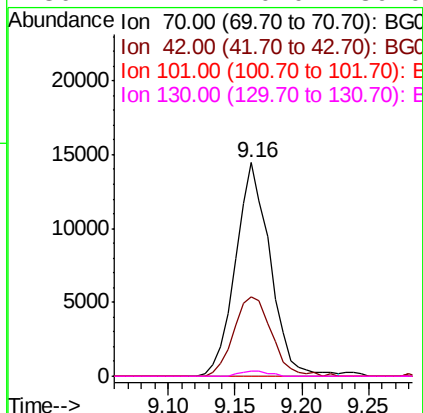
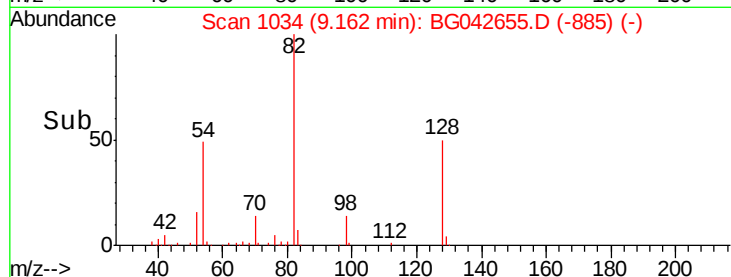
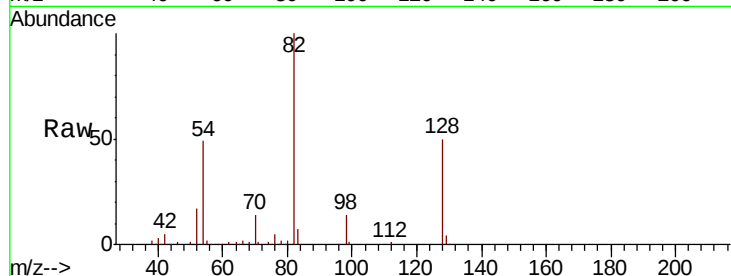
Ion Ratio Lower Upper

70 100

42 37.0 38.8 58.2#

101 0.0 9.0 13.6#

130 2.2 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042655.D

Acq: 1 Sep 2019 5:59

Tgt Ion: 136 Resp: 131369

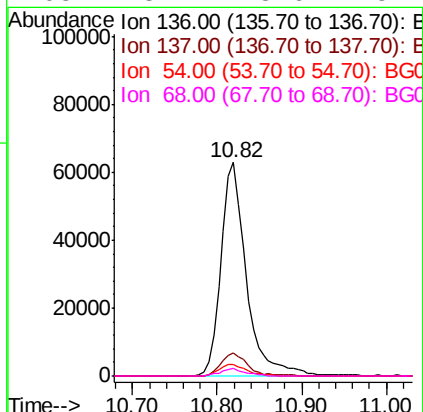
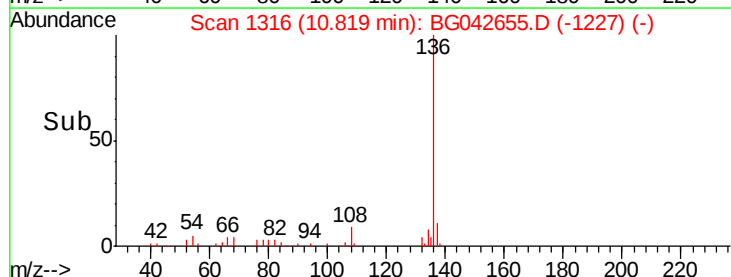
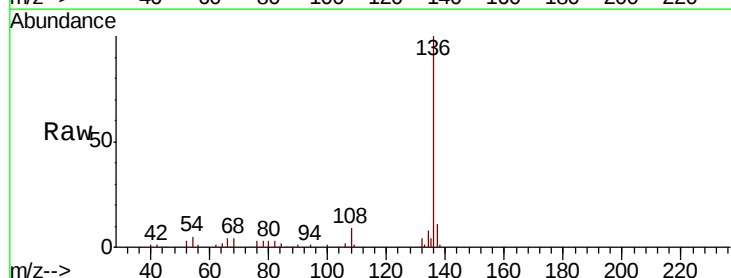
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 5.4 4.9 7.3

68 3.7 3.6 5.4

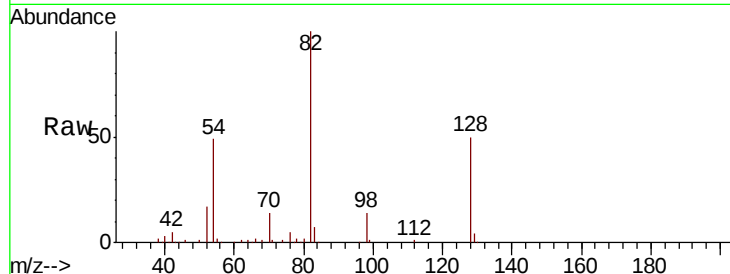




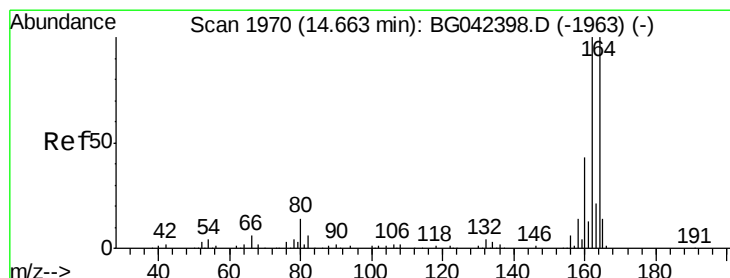
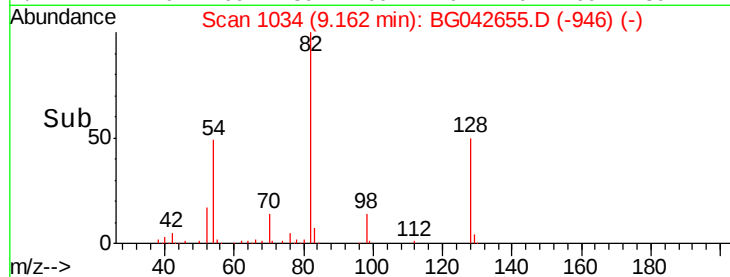
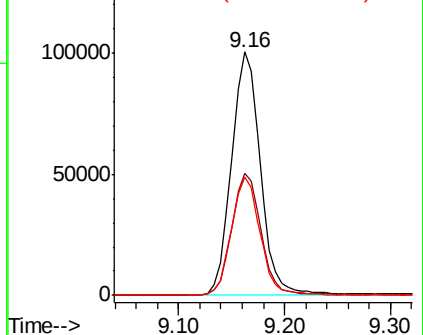
#23
Nitrobenzene-d5
Concen: 99.721 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042655.D
Acq: 1 Sep 2019 5:59

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 189573
Ion Ratio Lower Upper
82 100
128 50.2 40.7 61.1
54 48.5 36.3 54.5

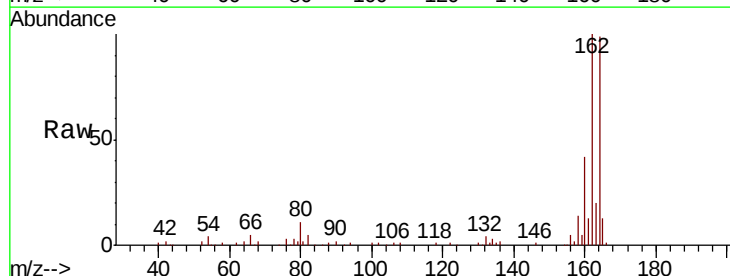


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

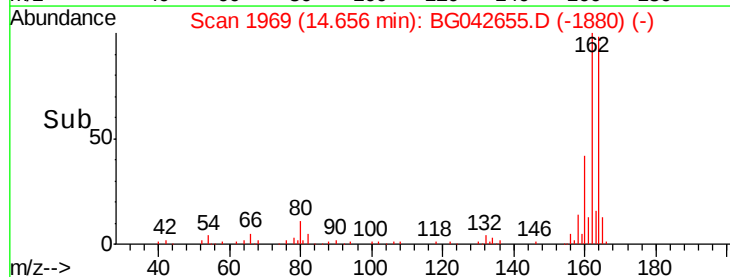
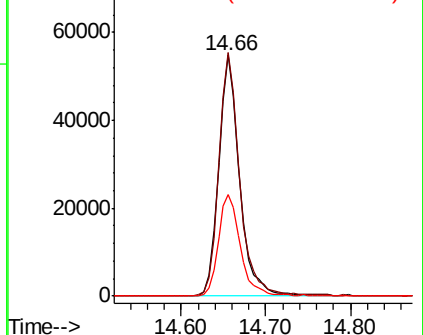


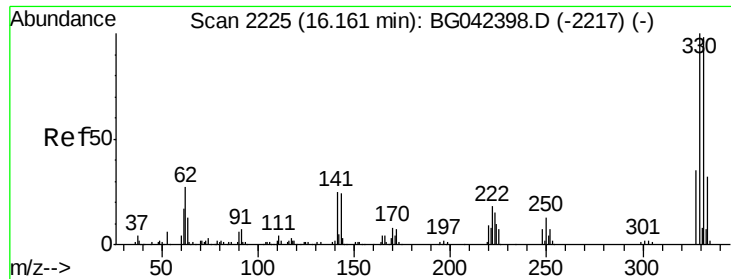
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042655.D
Acq: 1 Sep 2019 5:59

Tgt Ion: 164 Resp: 95135
Ion Ratio Lower Upper
164 100
162 101.1 79.9 119.9
160 42.2 34.3 51.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

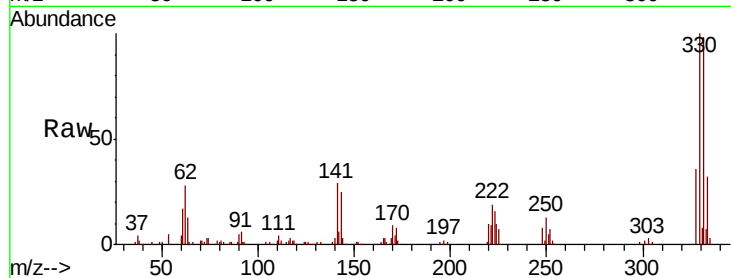




#42
 2,4,6-Tribromophenol
 Concen: 152.809 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042655.D
 Acq: 1 Sep 2019 5:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.4	116.0
141	27.0	21.4	32.0

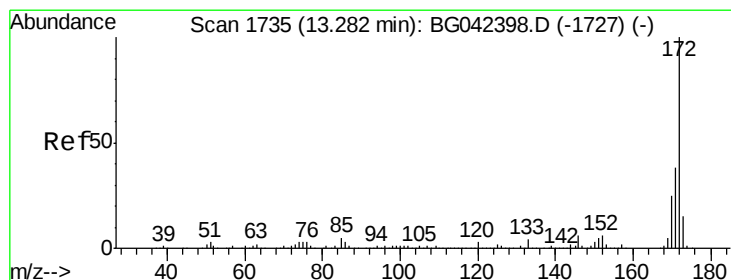
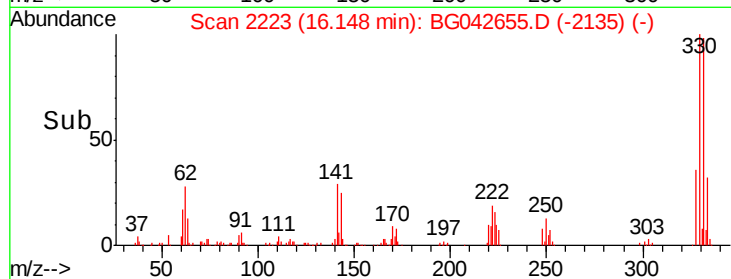
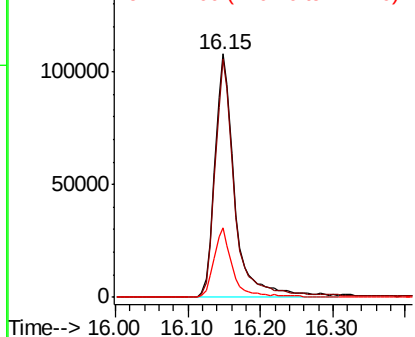


Abundance

Ion 329.80 (329.50 to 330.50): E

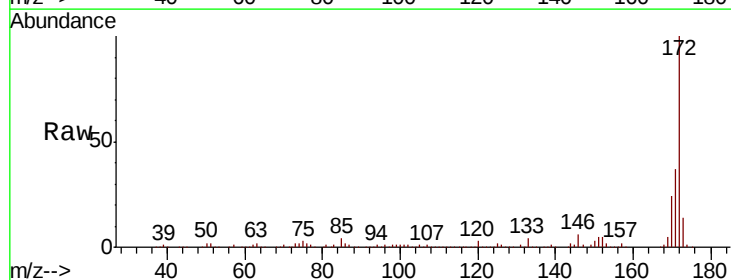
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 110.301 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042655.D
 Acq: 1 Sep 2019 5:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.5	45.7
170	23.6	20.2	30.2

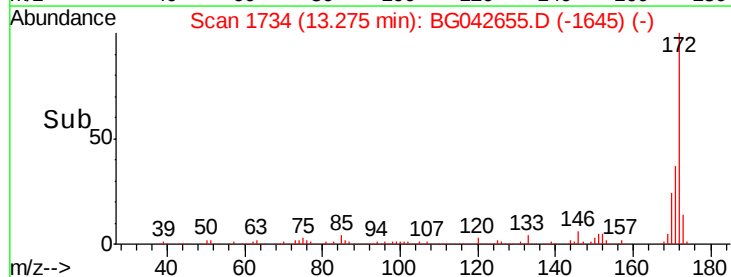
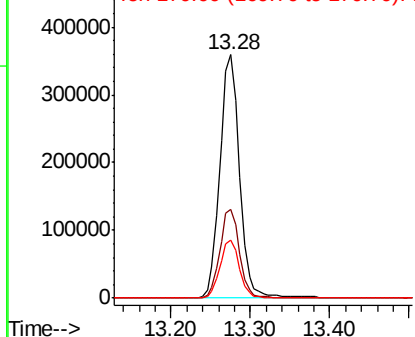


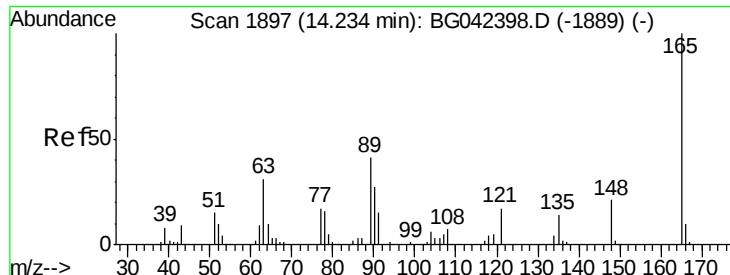
Abundance

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

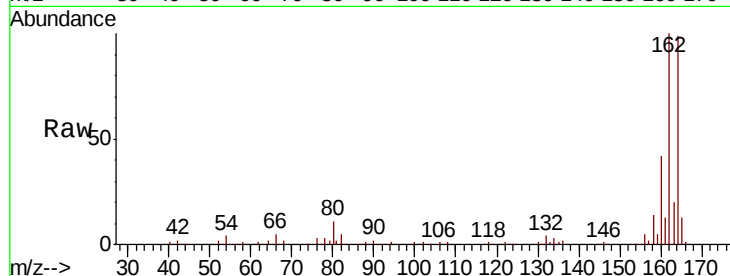




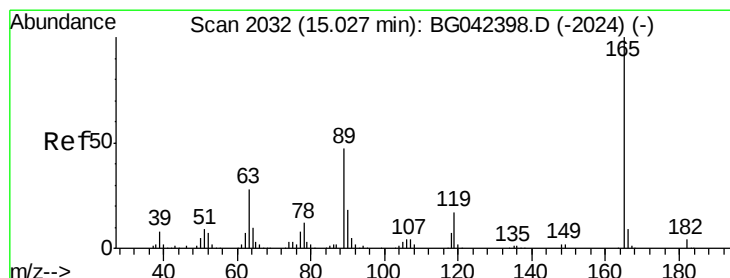
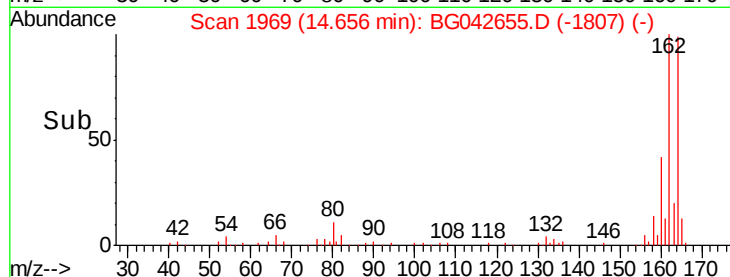
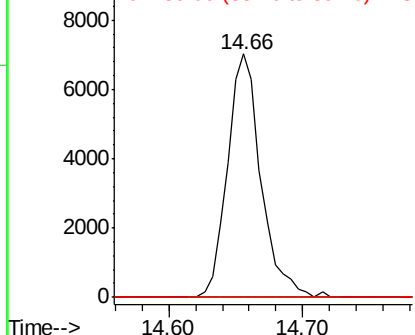
#51
 2,6-Dinitrotoluene
 Concen: 7.718 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042655.D
 Acq: 1 Sep 2019 5:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#

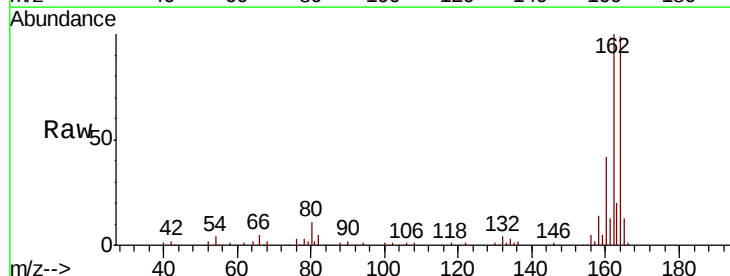


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

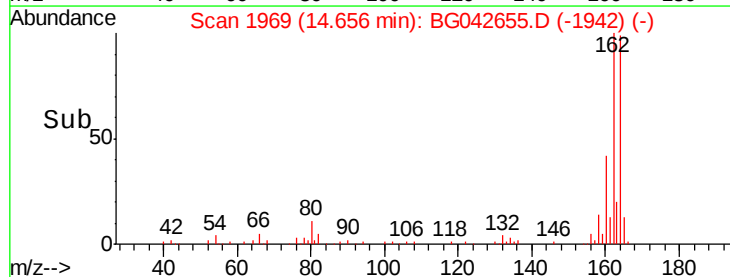
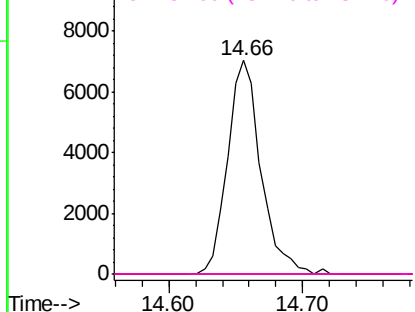


#57
 2,4-Dinitrotoluene
 Concen: 5.390 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042655.D
 Acq: 1 Sep 2019 5:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#



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

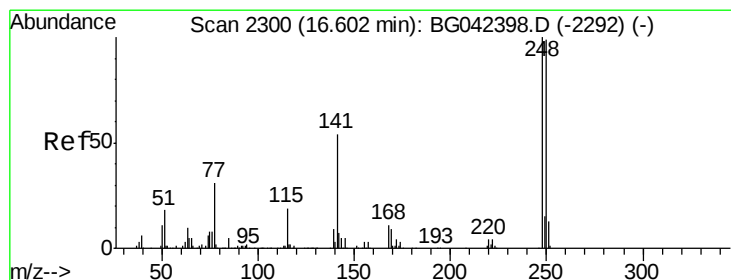
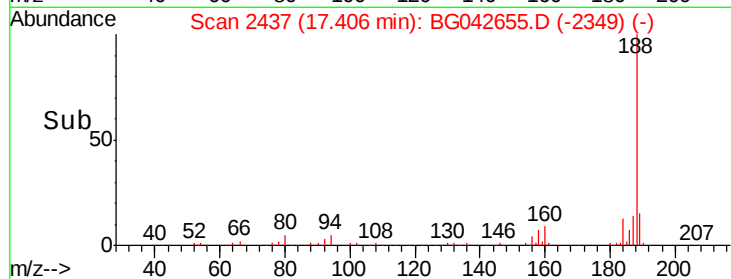
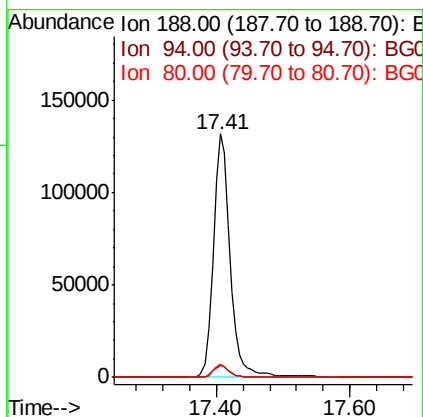
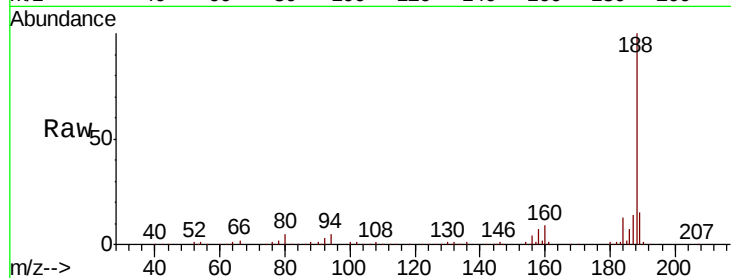




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042655.D
Acq: 1 Sep 2019 5:59

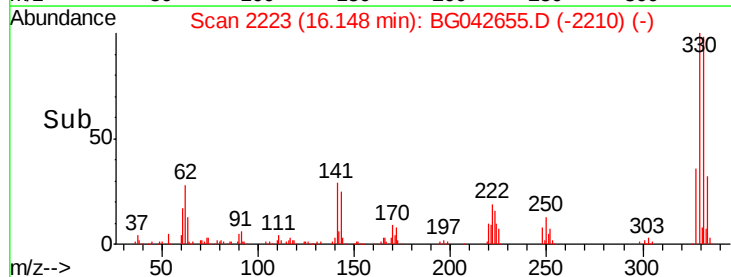
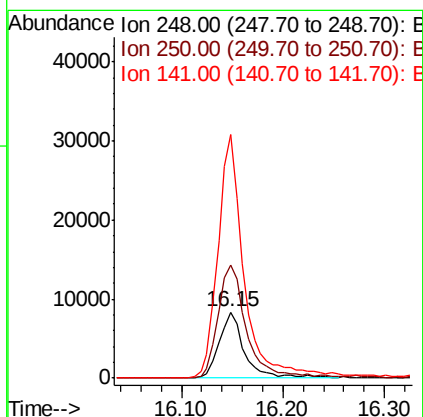
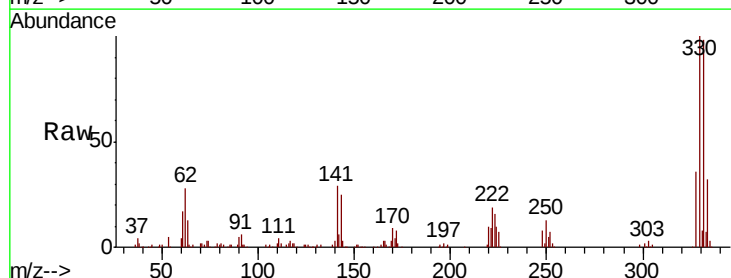
Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 233323
Ion Ratio Lower Upper
188 100
94 4.8 4.5 6.7
80 5.4 4.9 7.3



#67
4-Bromophenyl-phenylether
Concen: 4.854 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.45 min
Lab File: BG042655.D
Acq: 1 Sep 2019 5:59

Tgt Ion:248 Resp: 14366
Ion Ratio Lower Upper
248 100
250 171.5 78.9 118.3#
141 369.9 43.3 64.9#

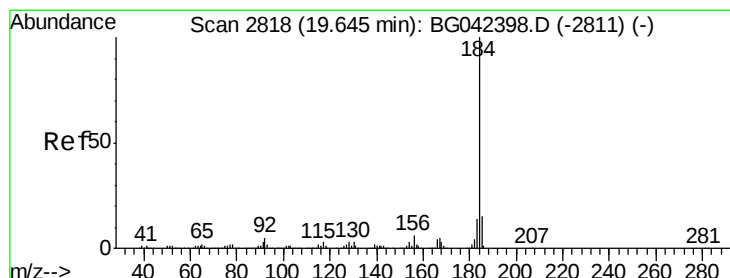
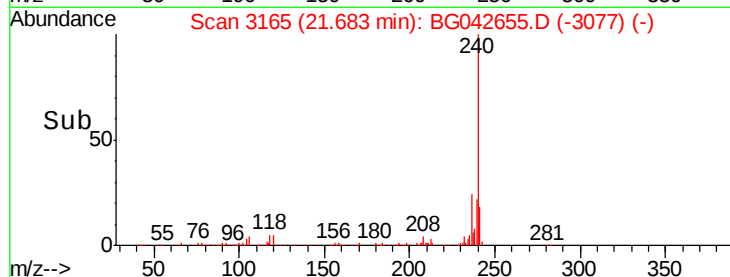
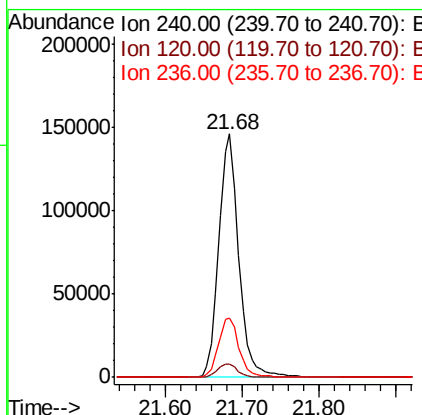
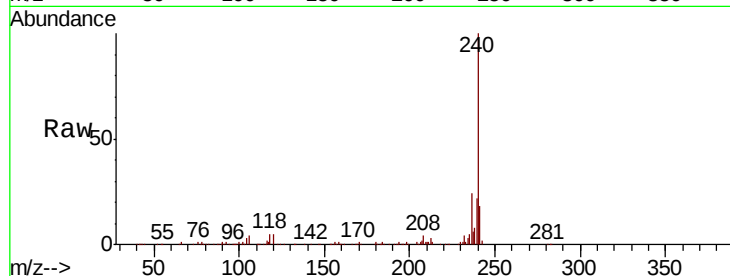




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042655.D
 Acq: 1 Sep 2019 5:59

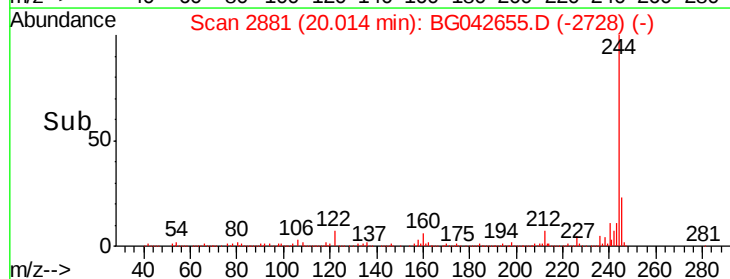
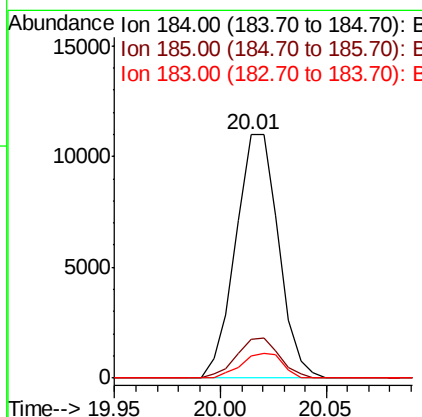
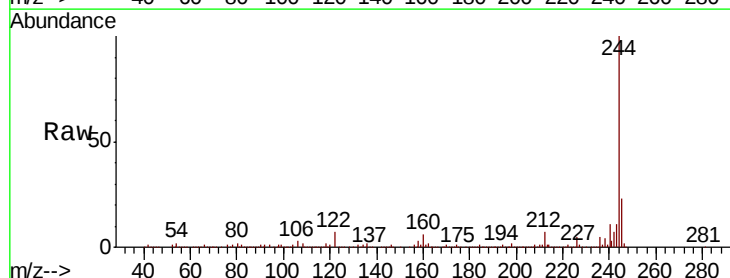
Instrument :
 BNA_G
 ClientSampleId :

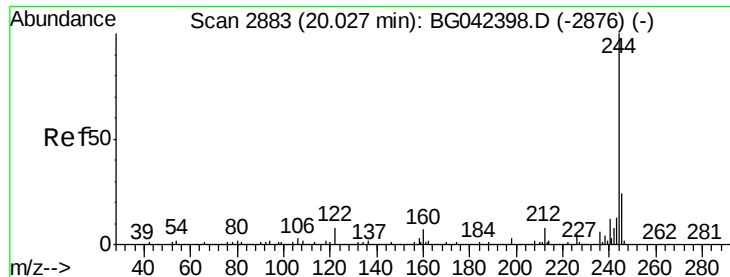
Tot Ion:240 Resp: 261812
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.7 8.5#
 236 24.5 21.0 31.4



#77
 Benzidine
 Concen: 2.059 ng
 RT: 20.01 min Scan# 2881
 Delta R.T. 0.37 min
 Lab File: BG042655.D
 Acq: 1 Sep 2019 5:59

Tgt Ion:184 Resp: 15453
 Ion Ratio Lower Upper
 184 100
 185 16.0 12.2 18.4
 183 9.1 10.8 16.2#





#79

Terphenyl-d14

Concen: 104.556 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042655.D

Acq: 1 Sep 2019 5:59

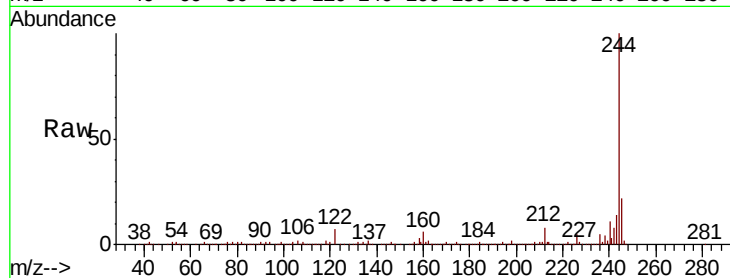
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1266193

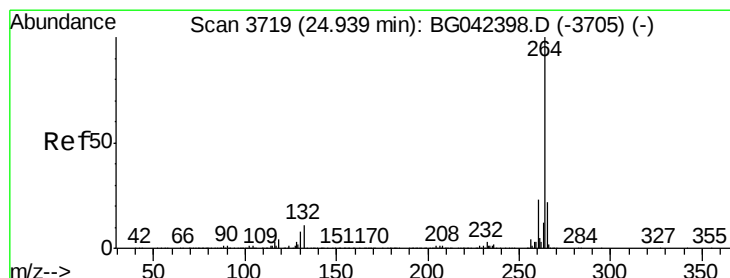
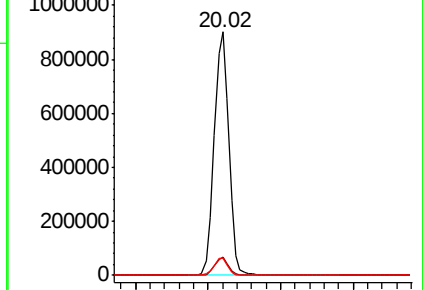
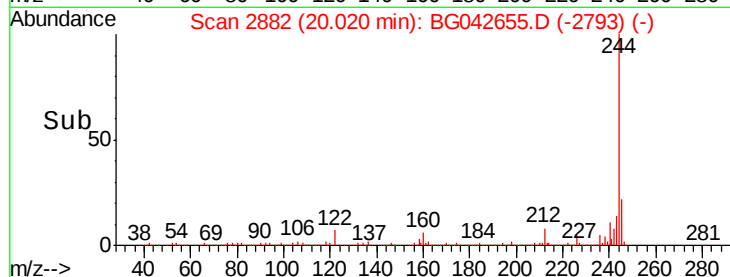
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	6.8	6.7	10.1



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: 24.91 min Scan# 3715

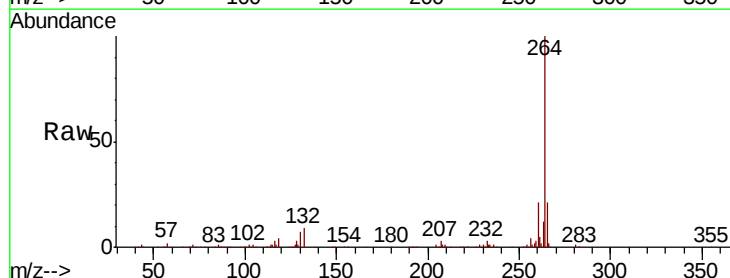
Delta R.T. -0.02 min

Lab File: BG042655.D

Acq: 1 Sep 2019 5:59

Tgt Ion:264 Resp: 298802

Ion	Ratio	Lower	Upper
264	100		
260	20.5	18.5	27.7
265	21.0	17.6	26.4



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

