

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042651.D
 Acq On : 1 Sep 2019 3:25
 Operator : HP/JU
 Sample : K4544-39
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 05:13:18 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

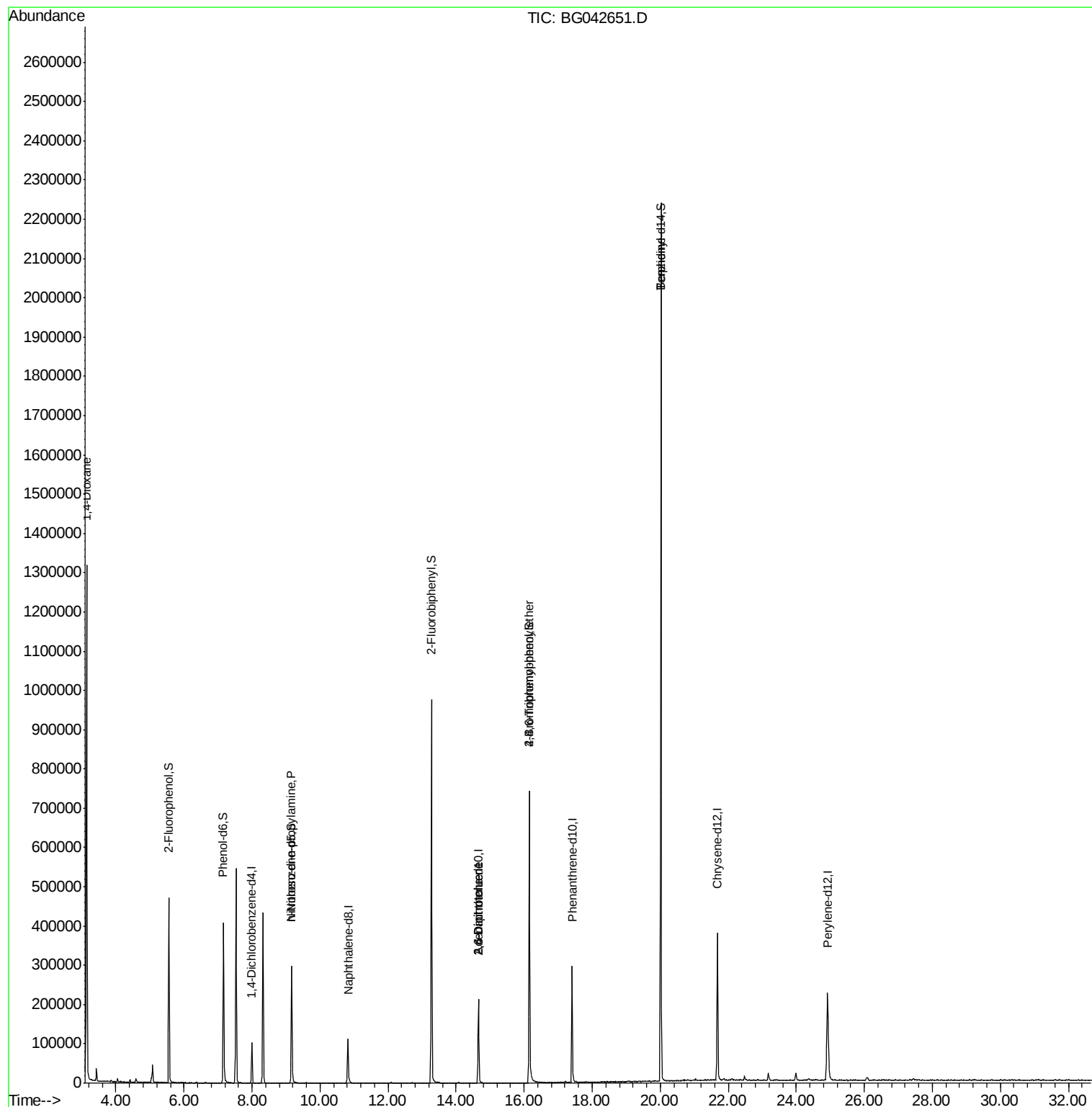
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	35152	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	130087	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	94495	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	227668	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	255750	20.00	ng	-0.01
87) Perylene-d12	24.92	264	295253	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	232418	133.91	ng	0.00
7) Phenol-d6	7.16	99	276809	118.07	ng	-0.01
23) Nitrobenzene-d5	9.16	82	193207	102.63	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	205062	152.68	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	615523	110.17	ng	0.00
79) Terphenyl-d14	20.02	244	1243083	105.08	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	14324	19.776	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	25845	17.016	ng	# 75
51) 2,6-Dinitrotoluene	14.66	165	12369	7.827	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12369	5.466	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13958	4.833	ng	# 1
77) Benzidine	20.02	184	15694	2.140	ng	# 92

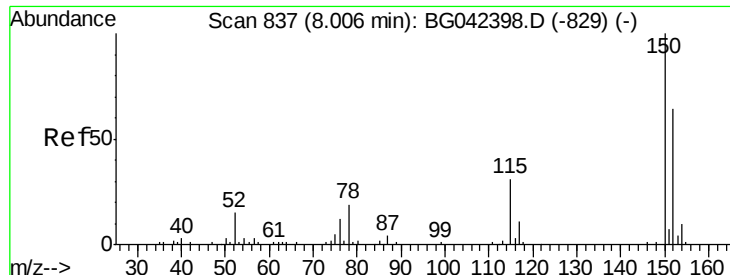
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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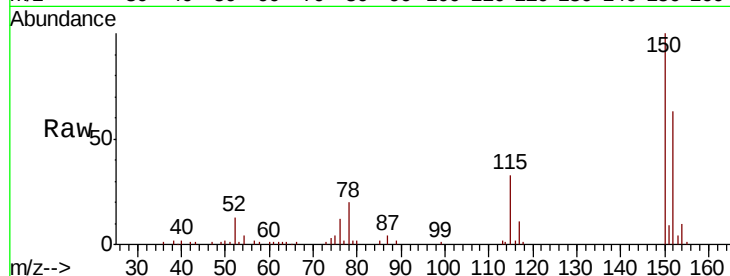


#1

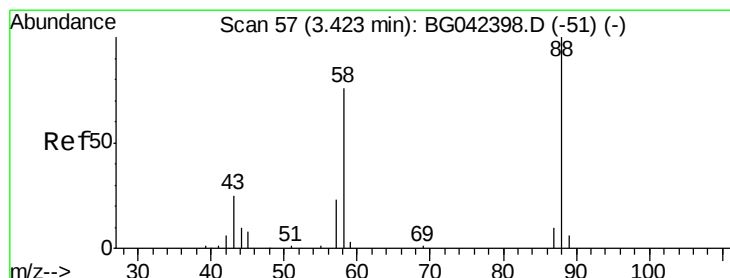
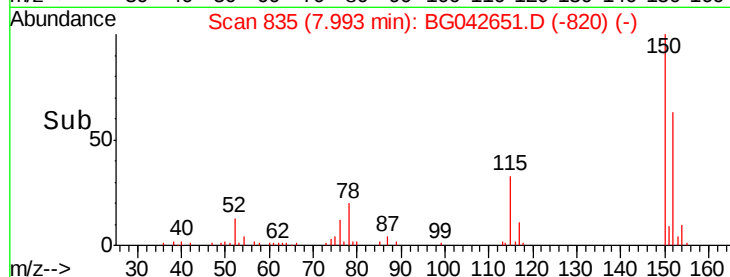
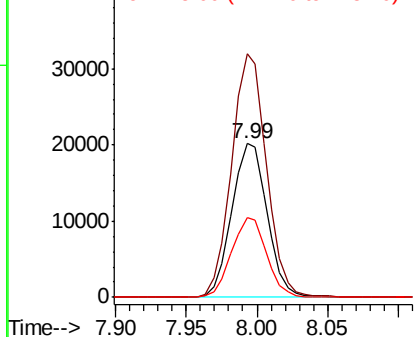
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042651.D
Acq: 1 Sep 2019 3:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 35152
Ion Ratio Lower Upper
152 100
150 158.1 125.4 188.0
115 51.7 38.5 57.7



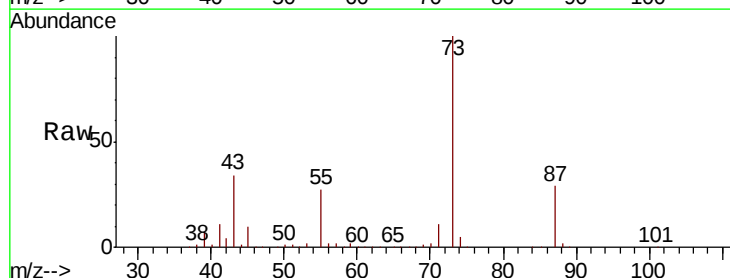
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



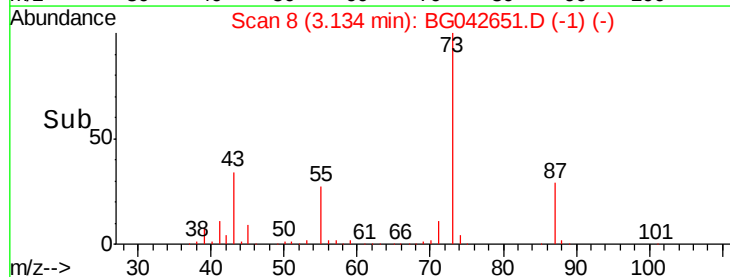
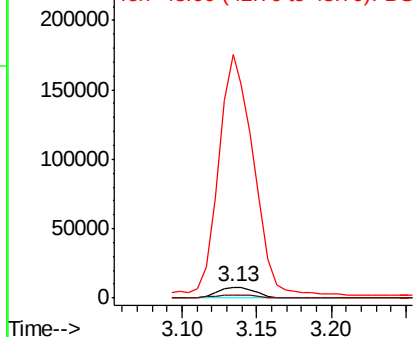
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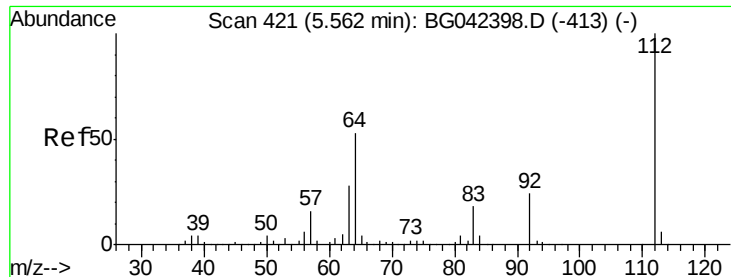
1,4-Dioxane
Concen: 19.776 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042651.D
Acq: 1 Sep 2019 3:25

Tgt Ion: 88 Resp: 14324
Ion Ratio Lower Upper
88 100
58 26.3 58.3 87.5#
43 1953.0 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: 133.908 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042651.D

Acq: 1 Sep 2019 3:25

Instrument :

BNA_G

ClientSampled :

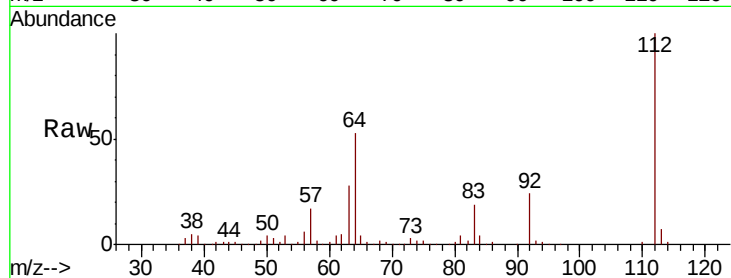
Tot Ion: 112 Resp: 232418

Ion Ratio Lower Upper

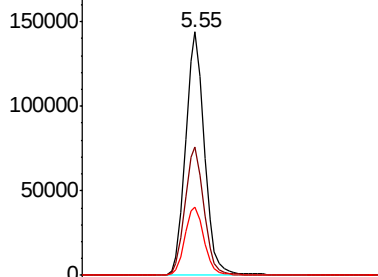
112 100

64 52.7 42.8 64.2

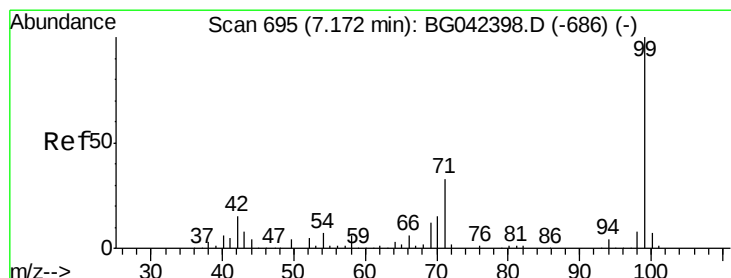
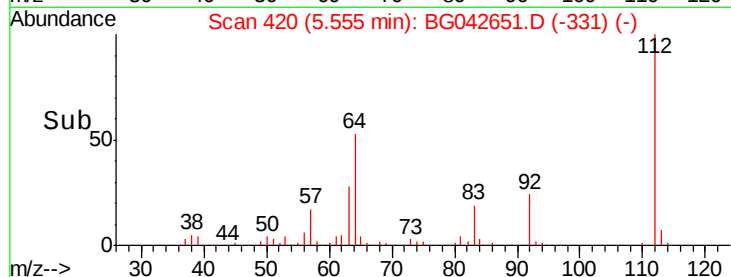
63 28.2 22.7 34.1



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



Time-->



#7

Phenol-d6

Concen: 118.069 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042651.D

Acq: 1 Sep 2019 3:25

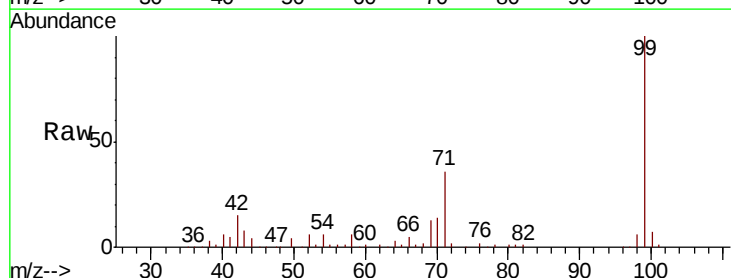
Tgt Ion: 99 Resp: 276809

Ion Ratio Lower Upper

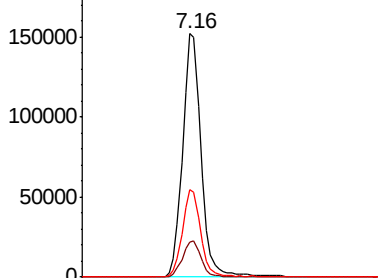
99 100

42 14.5 12.0 18.0

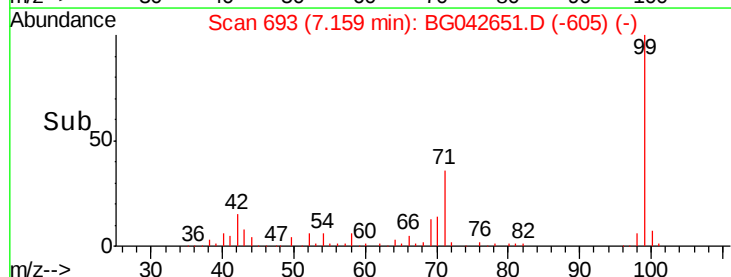
71 35.7 26.3 39.5

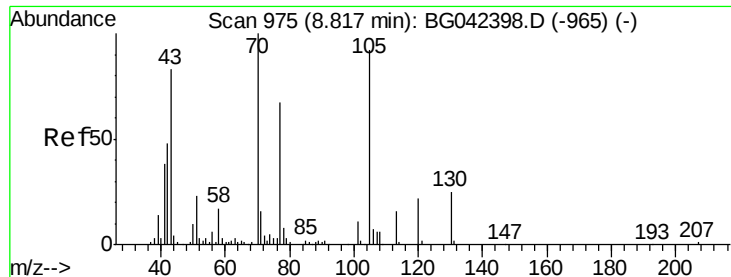


Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 17.016 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042651.D

Acq: 1 Sep 2019 3:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 25845

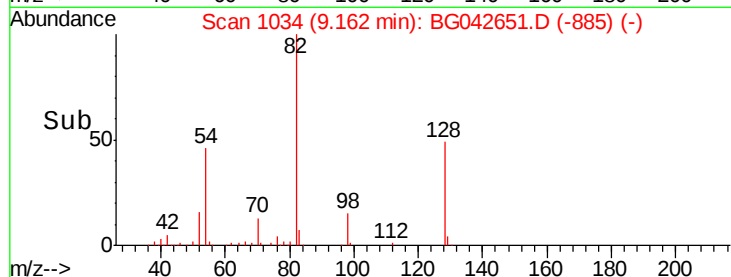
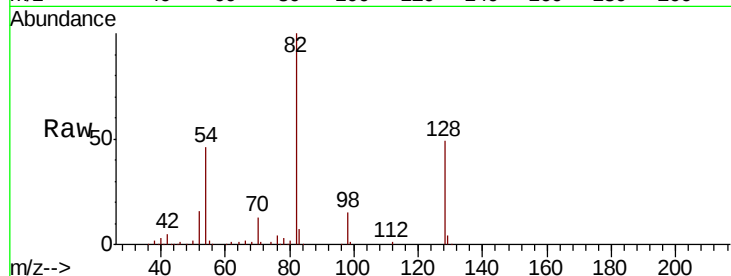
Ion Ratio Lower Upper

70 100

42 38.7 38.8 58.2#

101 0.0 9.0 13.6#

130 3.0 20.0 30.0#

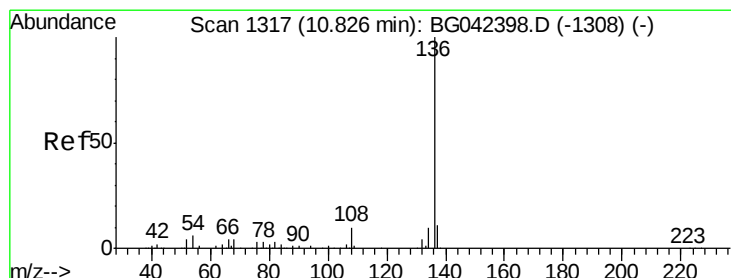
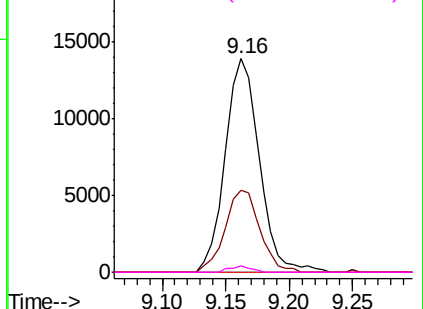


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042651.D

Acq: 1 Sep 2019 3:25

Tgt Ion: 136 Resp: 130087

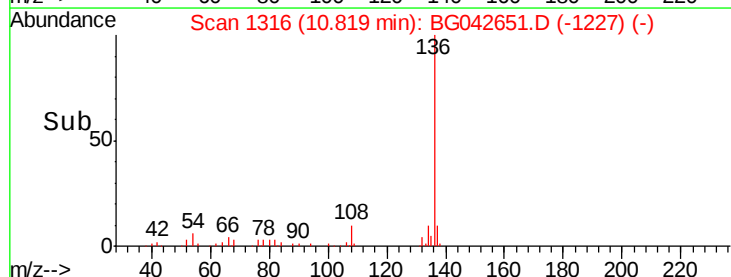
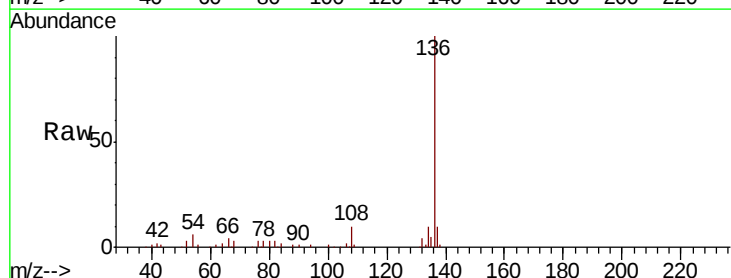
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 6.3 4.9 7.3

68 2.6 3.6 5.4#

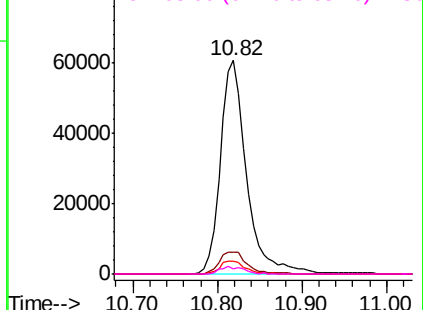


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

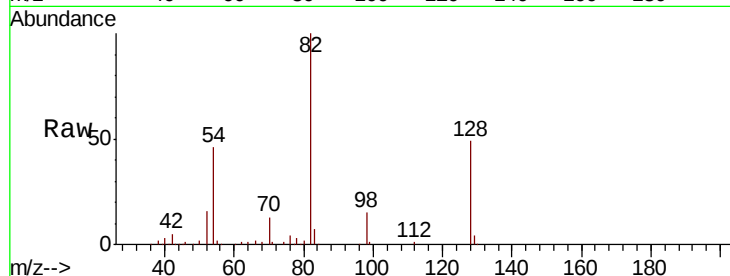




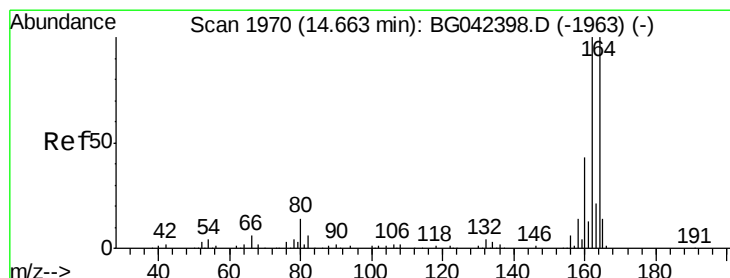
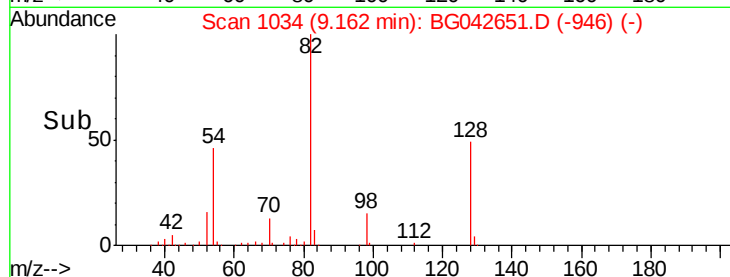
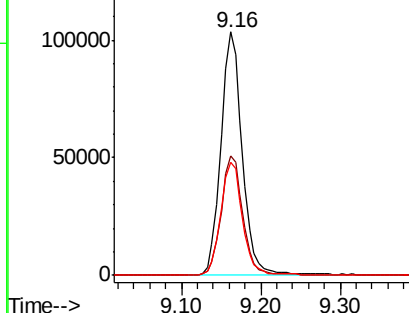
#23
Nitrobenzene-d5
Concen: 102.634 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042651.D
Acq: 1 Sep 2019 3:25

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	193207
Ion Ratio	Lower	Upper	
82	100		
128	49.3	40.7	61.1
54	46.2	36.3	54.5

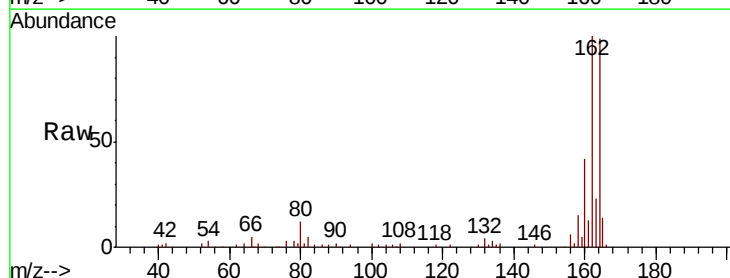


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

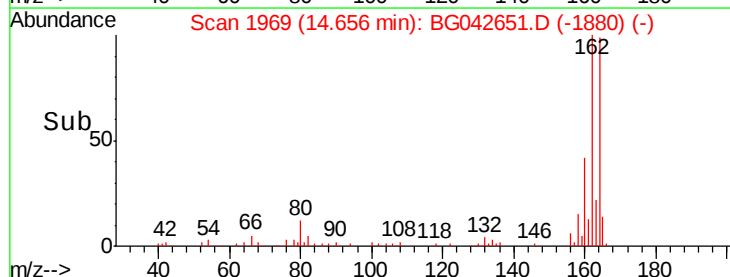
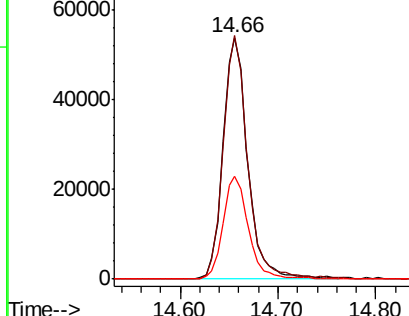


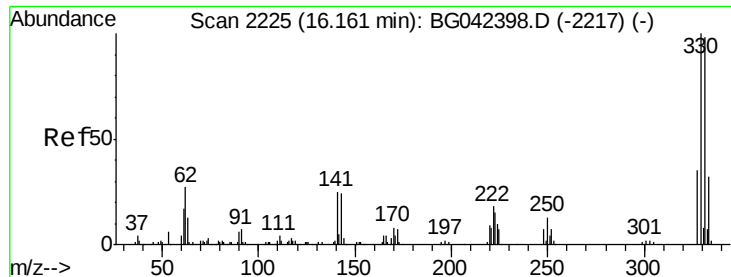
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042651.D
Acq: 1 Sep 2019 3:25

Tgt Ion	164	Resp	94495
Ion Ratio	Lower	Upper	
164	100		
162	100.9	79.9	119.9
160	42.5	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

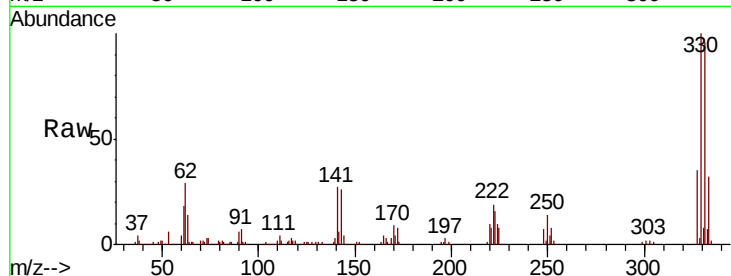




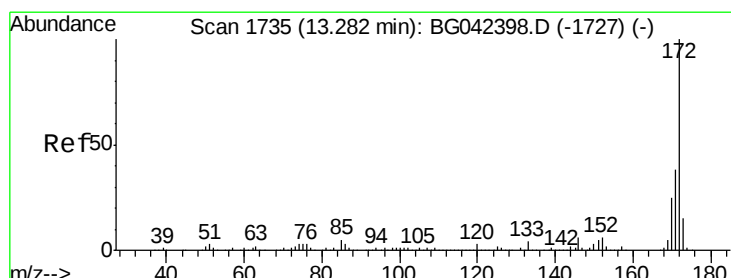
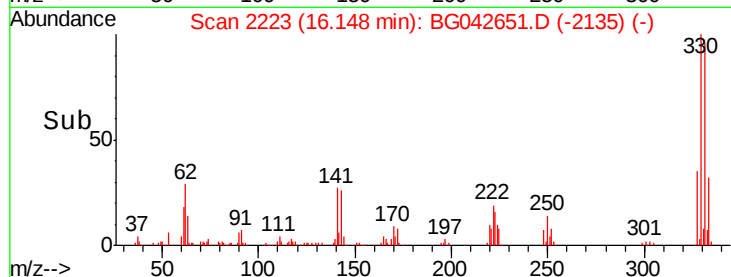
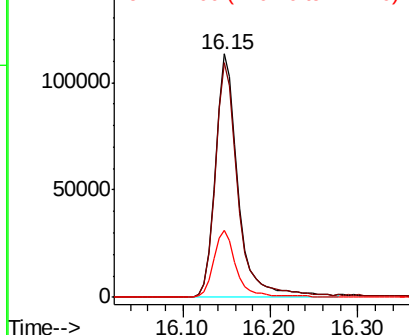
#42
 2,4,6-Tribromophenol
 Concen: 152.679 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042651.D
 Acq: 1 Sep 2019 3:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 205062
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.4 116.0
 141 27.8 21.4 32.0

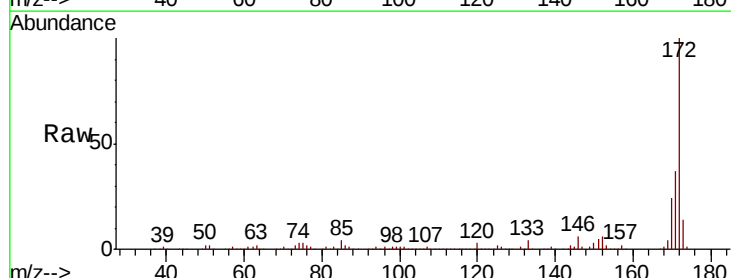


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

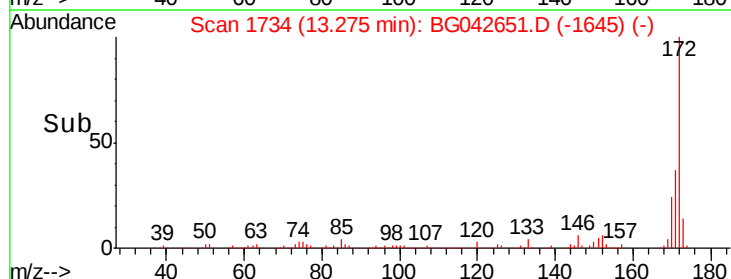
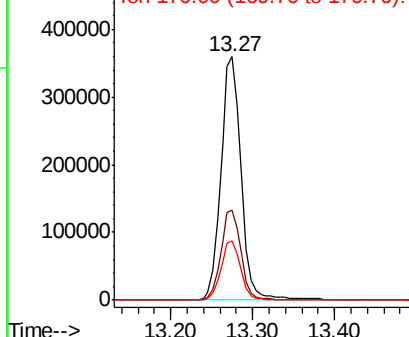


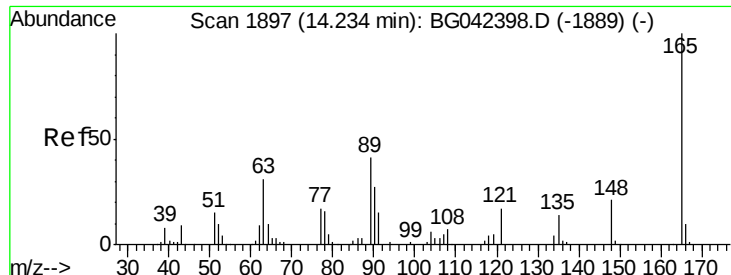
#45
 2-Fluorobiphenyl
 Concen: 110.167 ng
 RT: 13.27 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042651.D
 Acq: 1 Sep 2019 3:25

Tgt Ion:172 Resp: 615523
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.5 45.7
 170 24.1 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

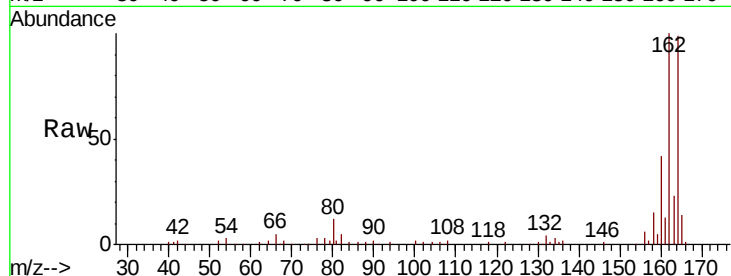




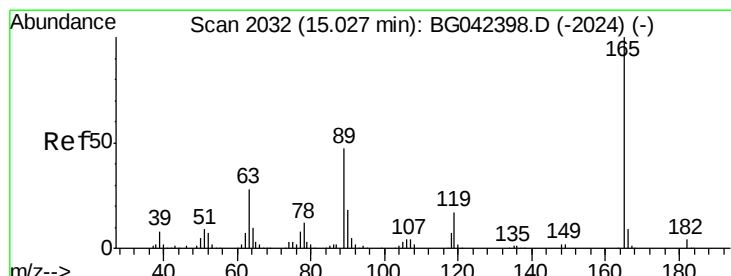
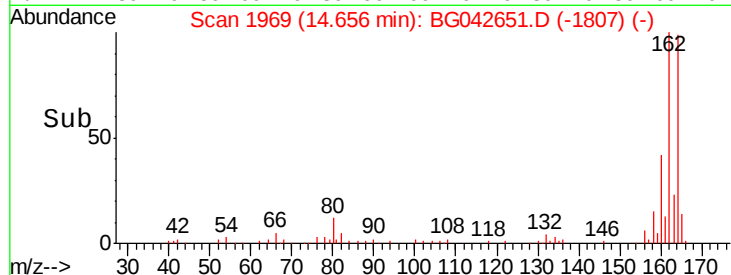
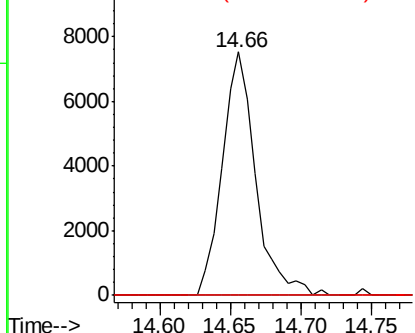
#51
 2,6-Dinitrotoluene
 Concen: 7.827 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042651.D
 Acq: 1 Sep 2019 3:25

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#



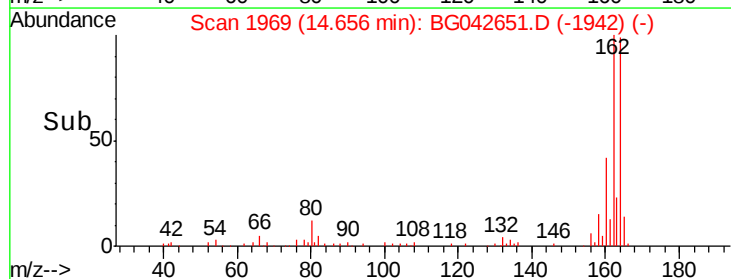
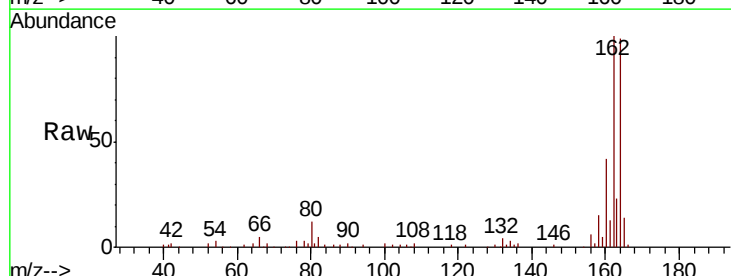
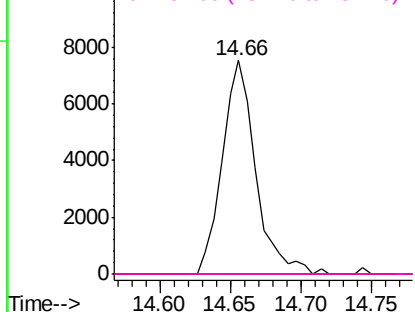
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.466 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042651.D
 Acq: 1 Sep 2019 3:25

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: BG042651.D

Acq: 1 Sep 2019 3:25

Instrument :

BNA_G

ClientSampleId :

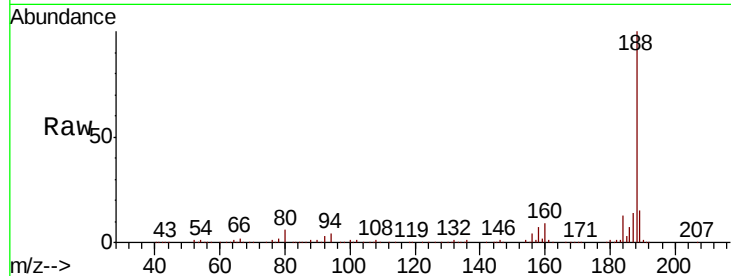
Tot Ion:188 Resp: 227668

Ion Ratio Lower Upper

188 100

94 4.5 4.5 6.7

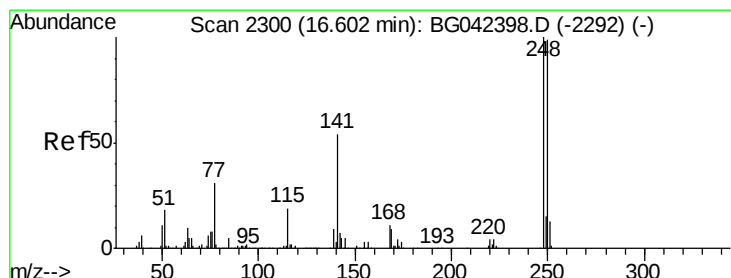
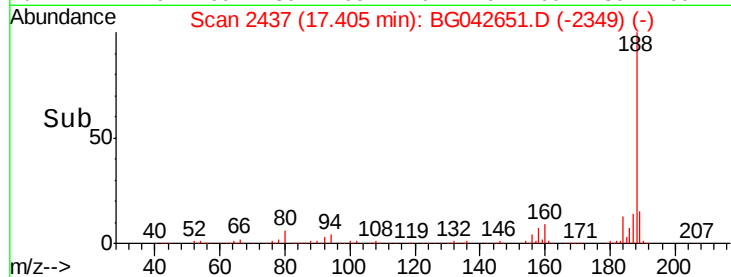
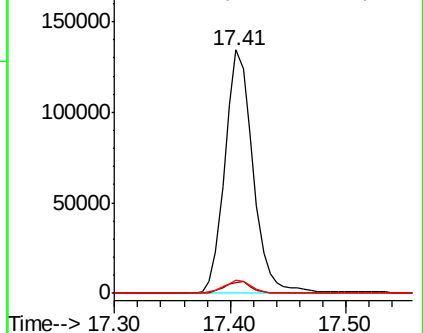
80 5.5 4.9 7.3



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



#67

4-Bromophenyl-phenylether

Concen: 4.833 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042651.D

Acq: 1 Sep 2019 3:25

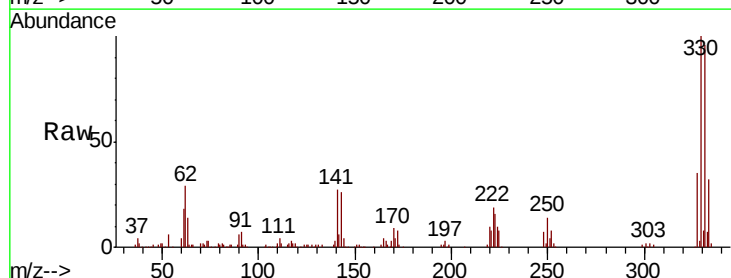
Tgt Ion:248 Resp: 13958

Ion Ratio Lower Upper

248 100

250 208.4 78.9 118.3#

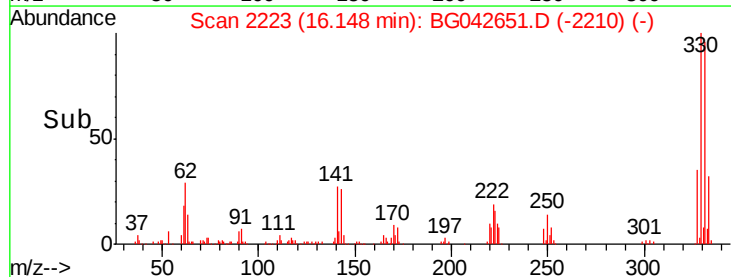
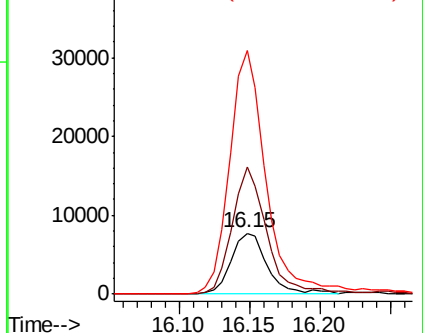
141 398.6 43.3 64.9#



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

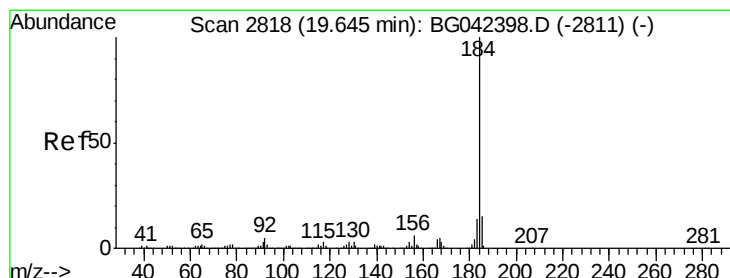
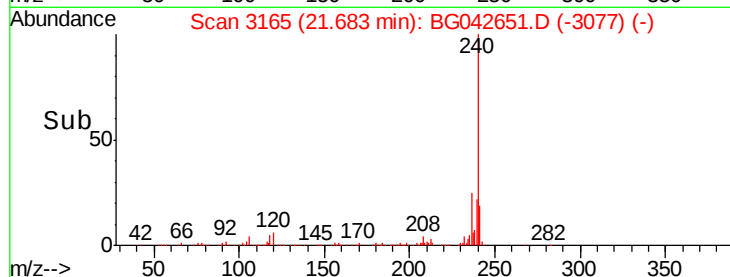
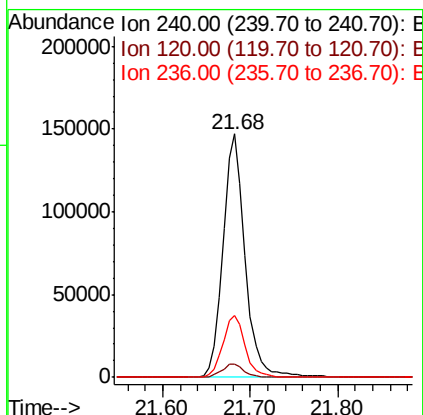
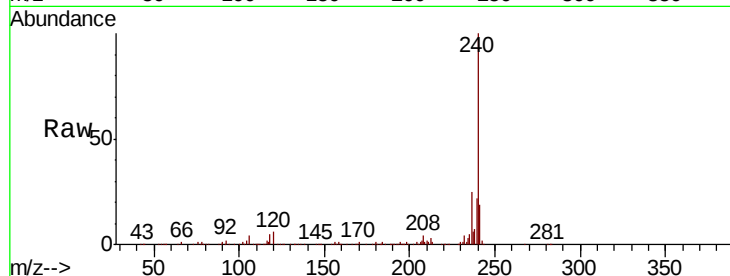




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042651.D
Acq: 1 Sep 2019 3:25

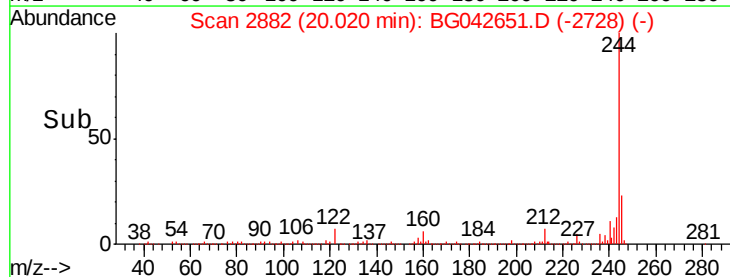
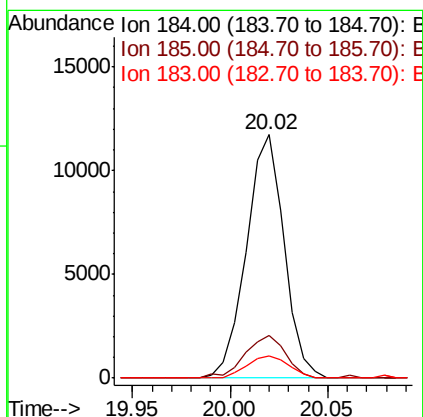
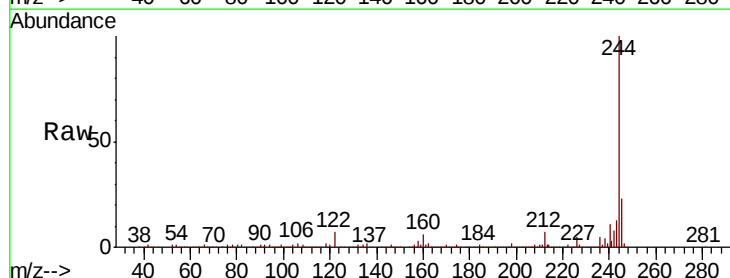
Instrument :
BNA_G
ClientSampleId :

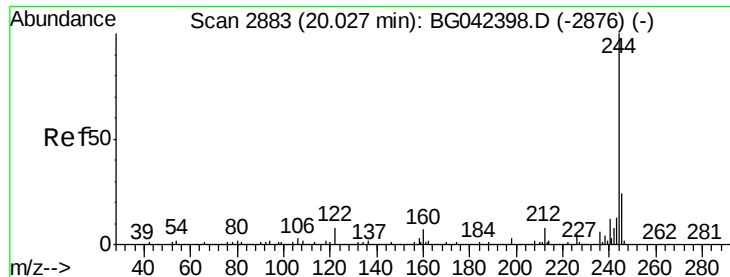
Tot Ion:240 Resp: 255750
Ion Ratio Lower Upper
240 100
120 5.5 5.7 8.5#
236 25.5 21.0 31.4



#77
Benzidine
Concen: 2.140 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.37 min
Lab File: BG042651.D
Acq: 1 Sep 2019 3:25

Tgt Ion:184 Resp: 15694
Ion Ratio Lower Upper
184 100
185 17.4 12.2 18.4
183 9.0 10.8 16.2#

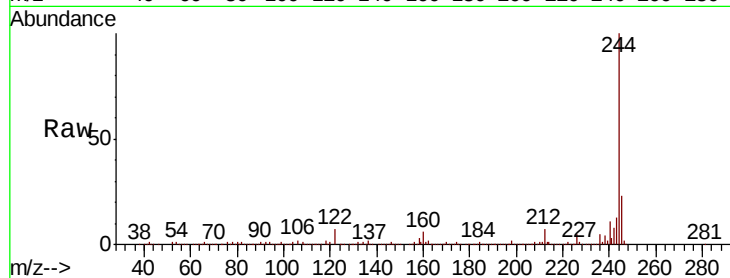




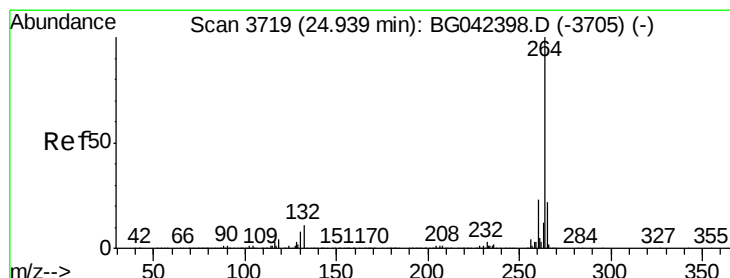
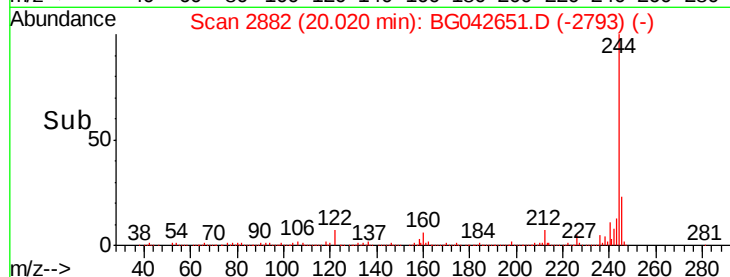
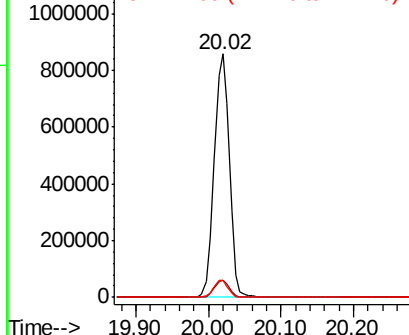
#79
 Terphenyl-d14
 Concen: 105.081 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. -0.01 min
 Lab File: BG042651.D
 Acq: 1 Sep 2019 3:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1243083
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 6.8 6.7 10.1

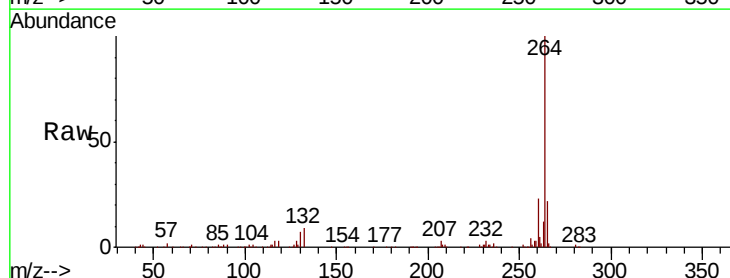


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3716
 Delta R.T. -0.02 min
 Lab File: BG042651.D
 Acq: 1 Sep 2019 3:25

Tgt Ion:264 Resp: 295253
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.5 27.7
 265 22.0 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

