

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042657.D
 Acq On : 1 Sep 2019 7:15
 Operator : HP/JU
 Sample : K4603-30
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 08:01:26 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

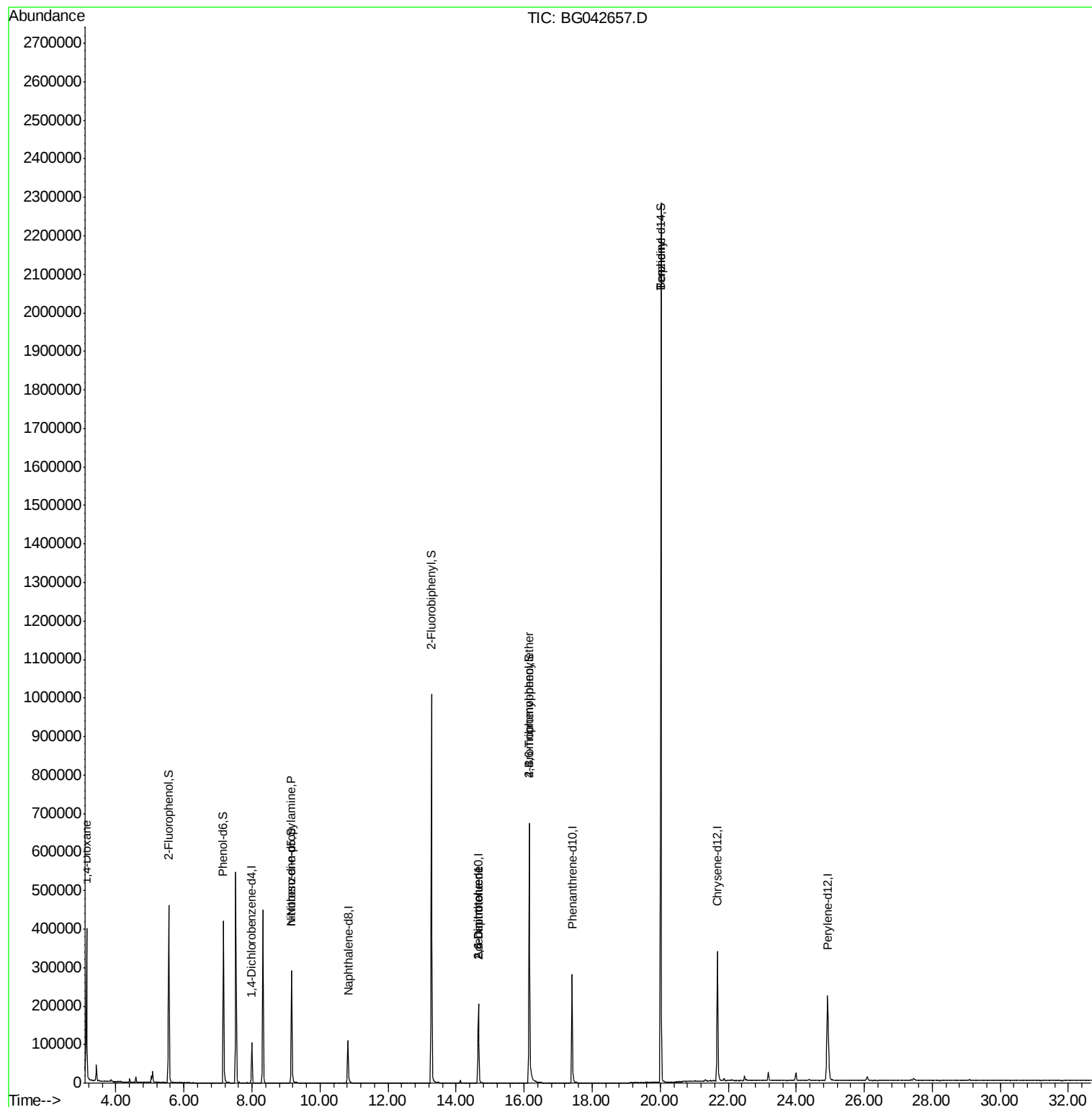
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	35679	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	127333	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	93818	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	225440	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	255070	20.00	ng	-0.01
87) Perylene-d12	24.92	264	295000	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	234639	133.19	ng	-0.01
7) Phenol-d6	7.16	99	277071	116.43	ng	-0.01
23) Nitrobenzene-d5	9.16	82	194784	105.71	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	210529	157.88	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	630639	113.69	ng	0.00
79) Terphenyl-d14	20.02	244	1304847	110.60	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	4514	6.140	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	25690	16.664	ng	# 76
51) 2,6-Dinitrotoluene	14.65	165	12009	7.654	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	12009	5.345	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13492	4.718	ng	# 1
77) Benzidine	20.02	184	16432	2.247	ng	# 93

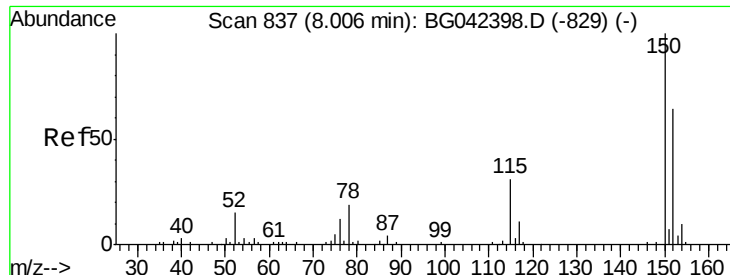
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
Data File : BG042657.D
Acq On : 1 Sep 2019 7:15
Operator : HP/JU
Sample : K4603-30
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 02 08:01:26 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



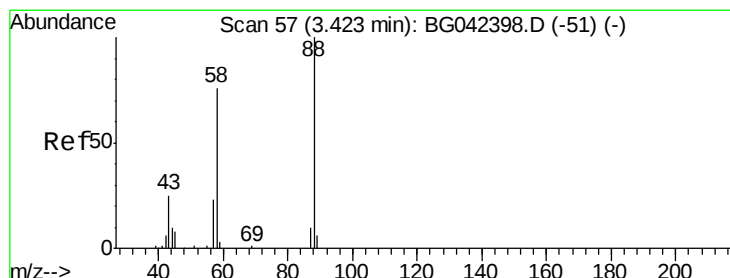
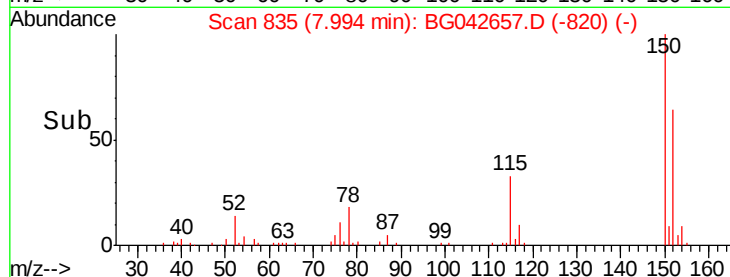
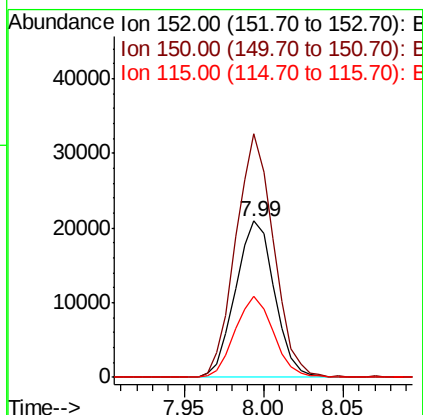
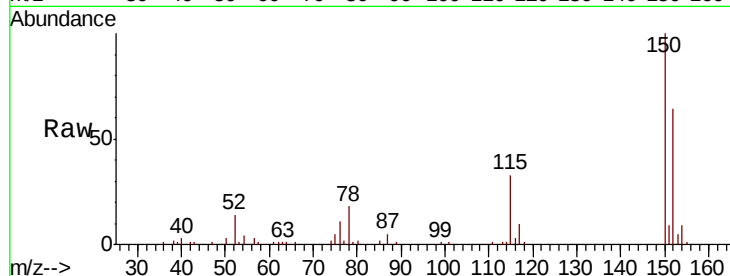


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042657.D
Acq: 1 Sep 2019 7:15

Instrument :
BNA_G
ClientSampled :

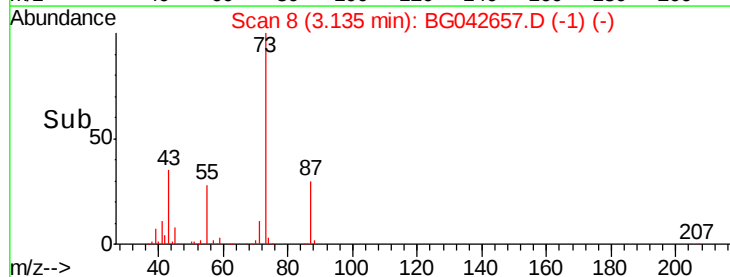
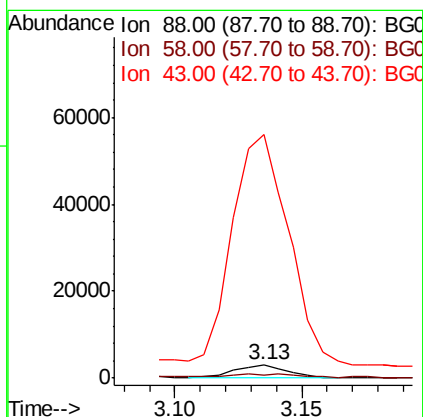
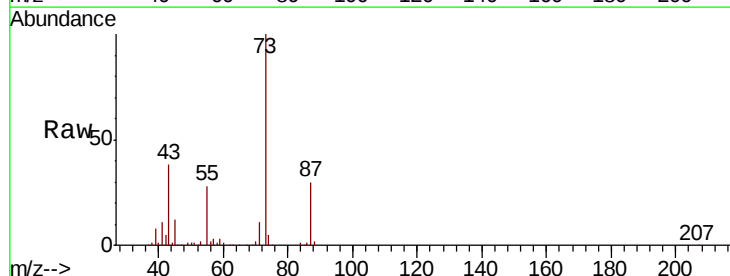
Tot Ion:152 Resp: 35679
Ion Ratio Lower Upper
152 100
150 156.0 125.4 188.0
115 51.6 38.5 57.7

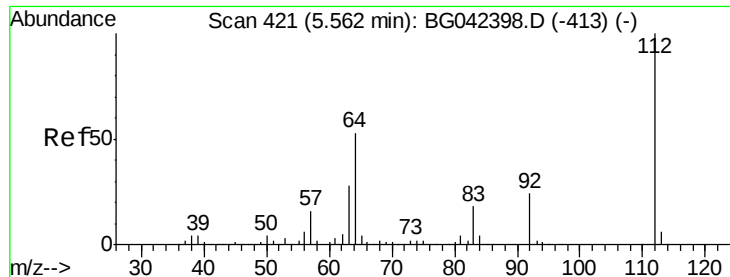


#2

1,4-Dioxane
Concen: 6.140 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042657.D
Acq: 1 Sep 2019 7:15

Tgt Ion: 88 Resp: 4514
Ion Ratio Lower Upper
88 100
58 49.0 58.3 87.5#
43 1881.1 20.2 30.2#





#5

2-Fluorophenol

Concen: 133.191 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG042657.D

Acq: 1 Sep 2019 7:15

Instrument :

BNA_G

ClientSampleId :

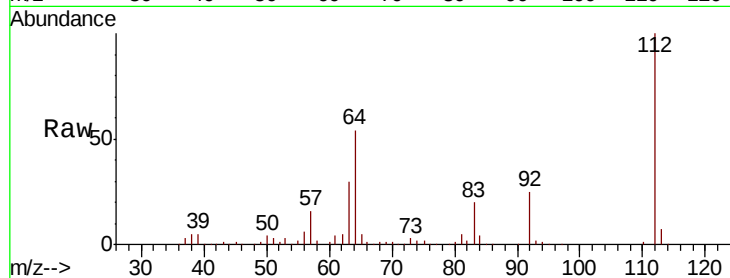
Tot Ion: 112 Resp: 234639

Ion Ratio Lower Upper

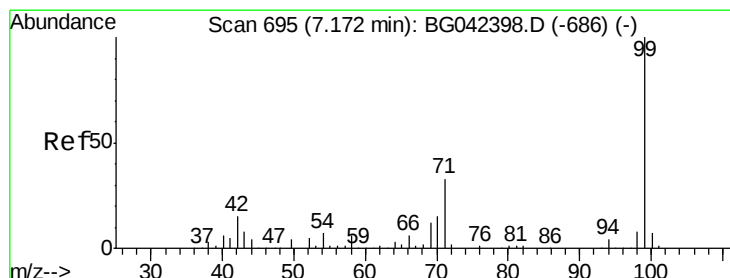
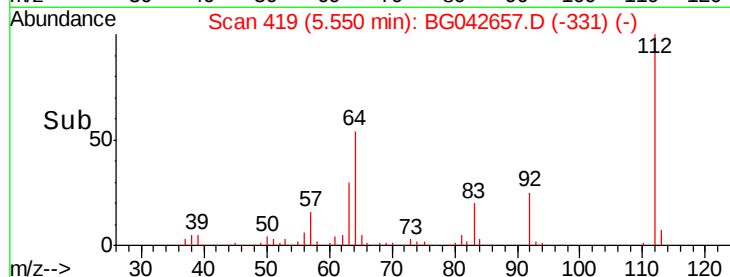
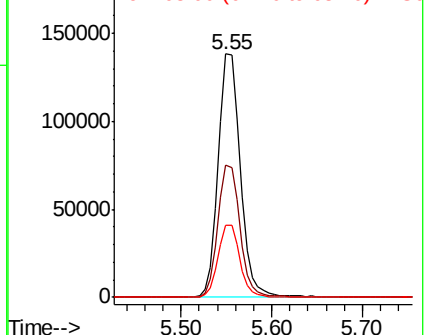
112 100

64 54.4 42.8 64.2

63 29.6 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: 116.435 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042657.D

Acq: 1 Sep 2019 7:15

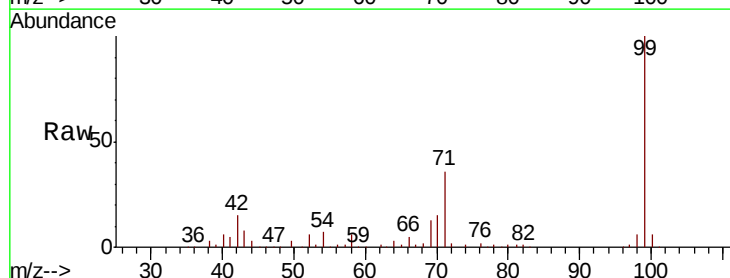
Tgt Ion: 99 Resp: 277071

Ion Ratio Lower Upper

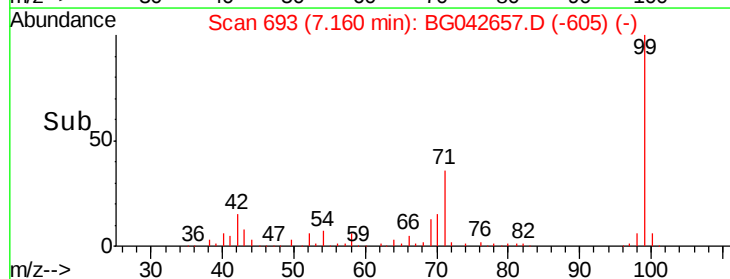
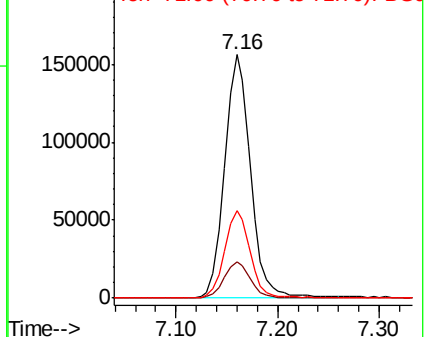
99 100

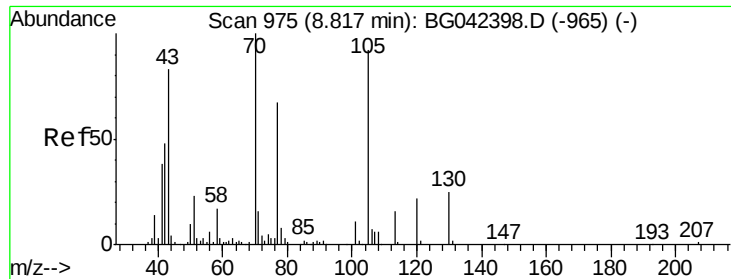
42 15.0 12.0 18.0

71 36.0 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

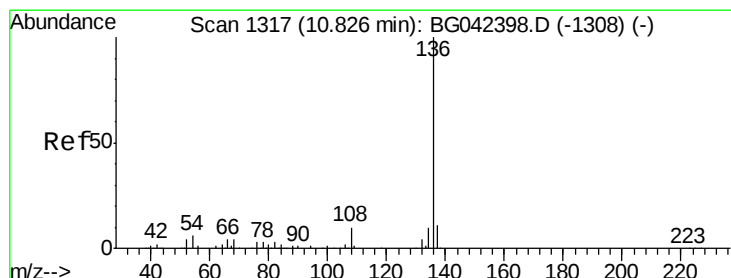
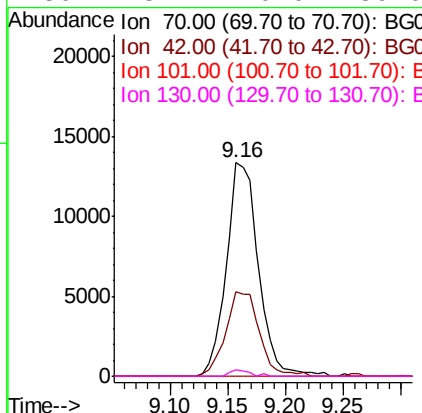
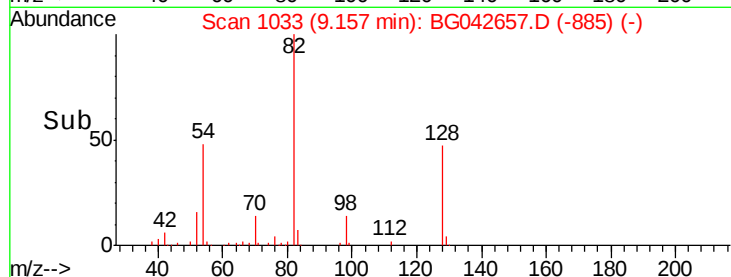
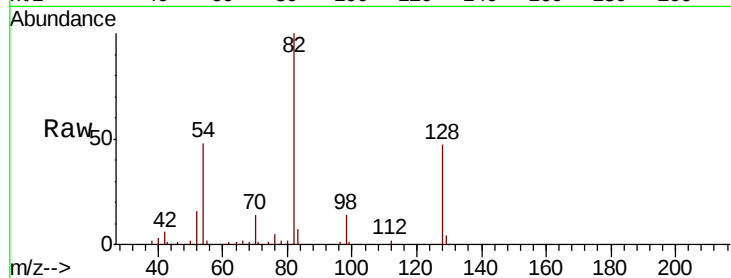




#19
n-Nitroso-di-n-propylamine
Concen: 16.664 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.34 min
Lab File: BG042657.D
Acq: 1 Sep 2019 7:15

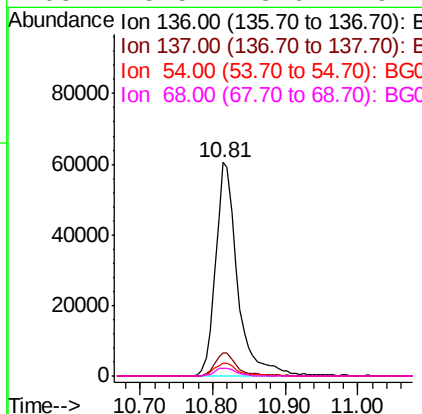
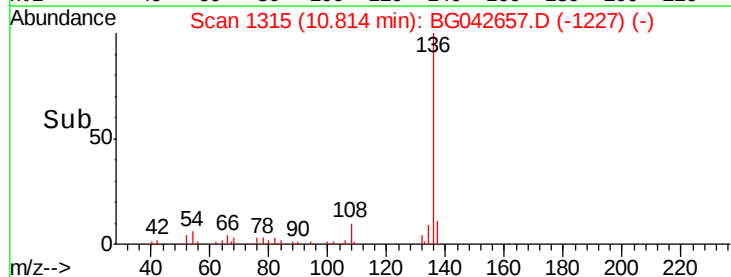
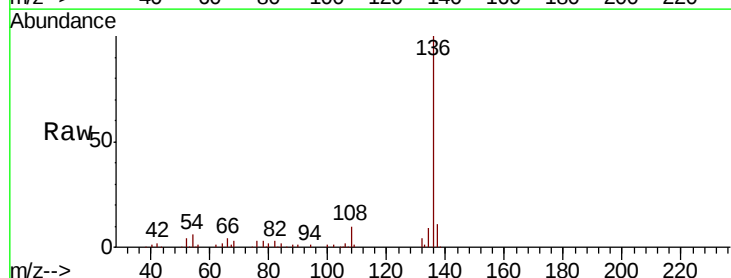
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 25690
Ion Ratio Lower Upper
70 100
42 39.7 38.8 58.2
101 0.0 9.0 13.6#
130 3.2 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042657.D
Acq: 1 Sep 2019 7:15

Tgt Ion: 136 Resp: 127333
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 5.9 4.9 7.3
68 3.5 3.6 5.4#

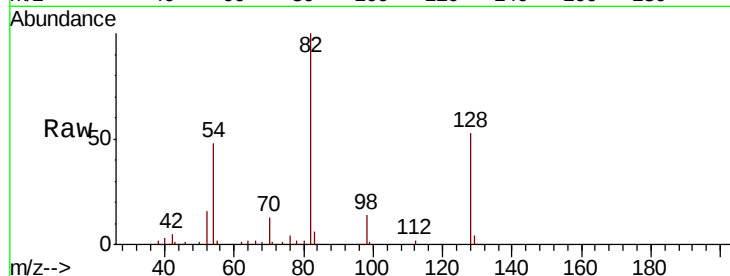




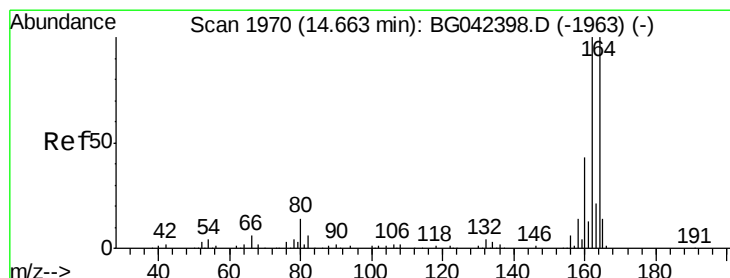
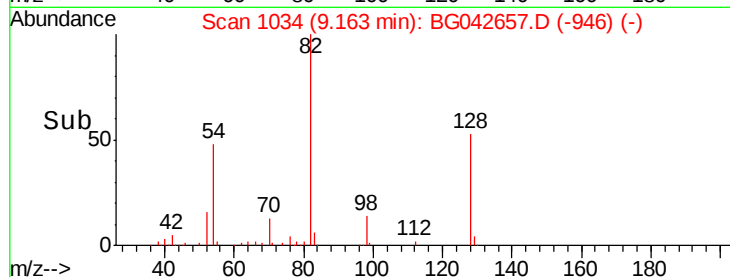
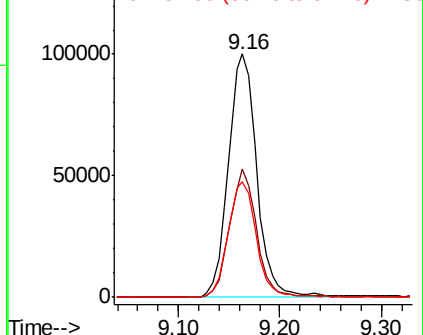
#23
Nitrobenzene-d5
Concen: 105.710 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042657.D
Acq: 1 Sep 2019 7:15

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	194784
Ion Ratio	Lower	Upper	
82	100		
128	52.9	40.7	61.1
54	47.6	36.3	54.5

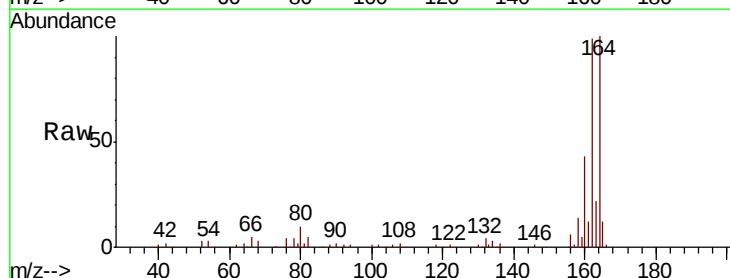


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

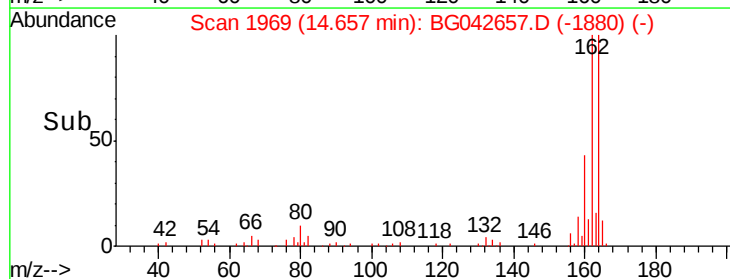
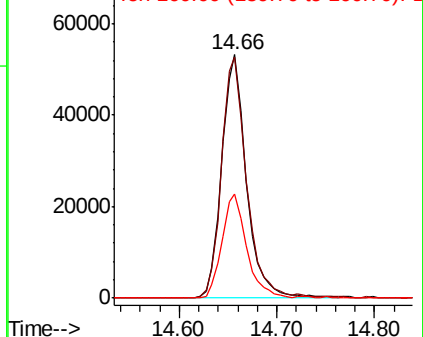


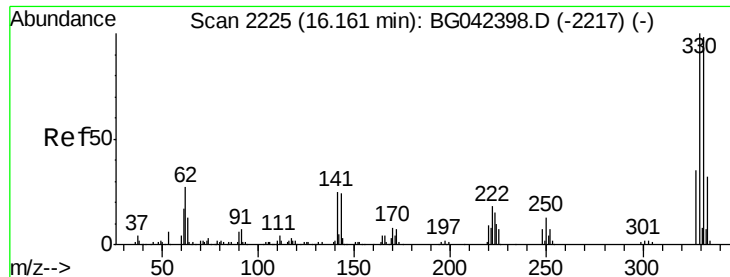
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042657.D
Acq: 1 Sep 2019 7:15

Tgt Ion	164	Resp	93818
Ion Ratio	Lower	Upper	
164	100		
162	99.0	79.9	119.9
160	42.8	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: 157.881 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042657.D

Acq: 1 Sep 2019 7:15

Instrument :

BNA_G

ClientSampleId :

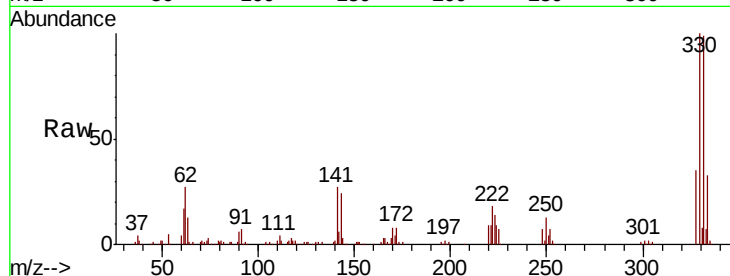
Tot Ion:330 Resp: 210529

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

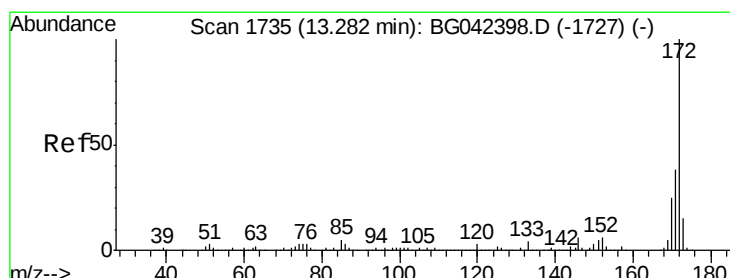
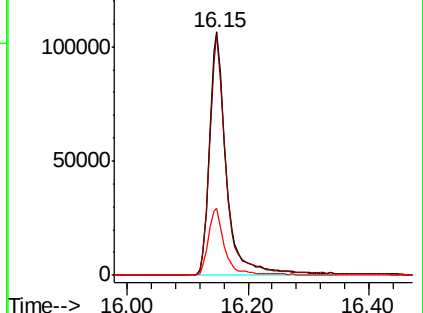
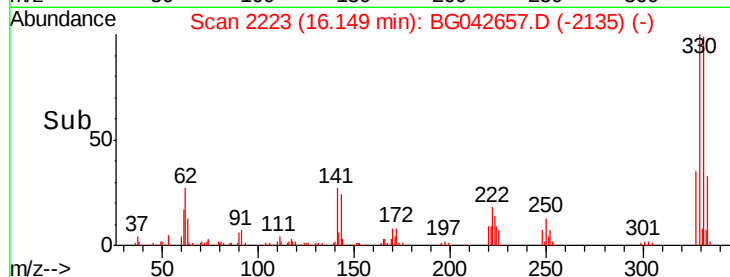
141 25.9 21.4 32.0



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: 113.687 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042657.D

Acq: 1 Sep 2019 7:15

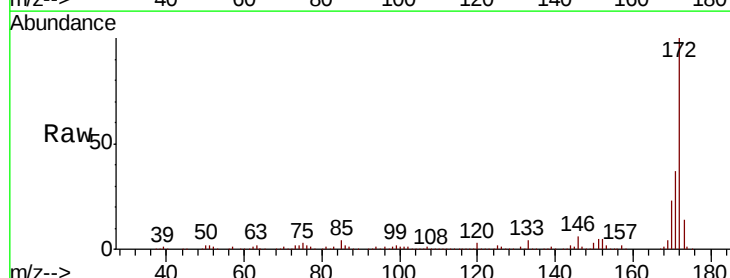
Tgt Ion:172 Resp: 630639

Ion Ratio Lower Upper

172 100

171 37.4 30.5 45.7

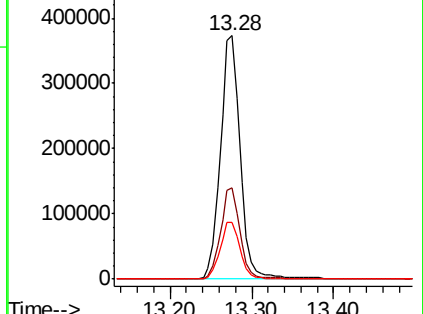
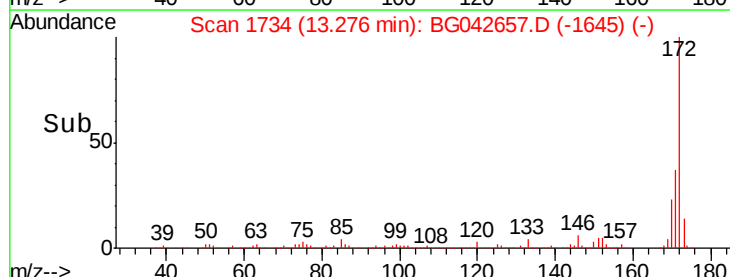
170 23.5 20.2 30.2

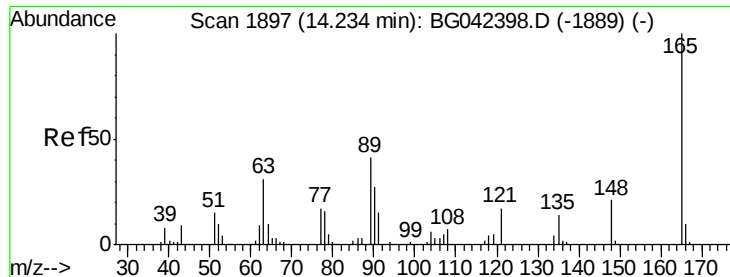


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

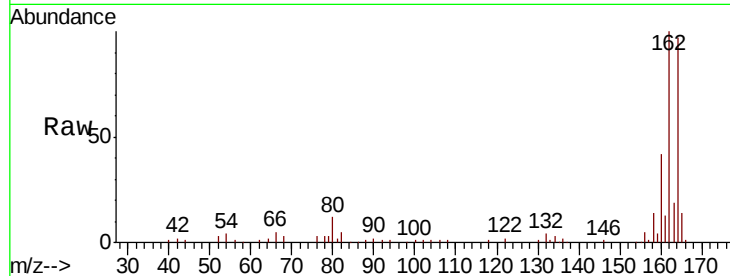




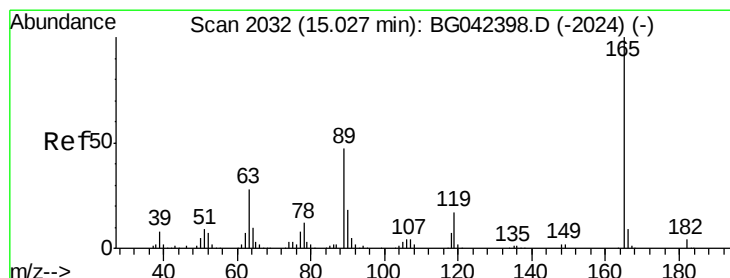
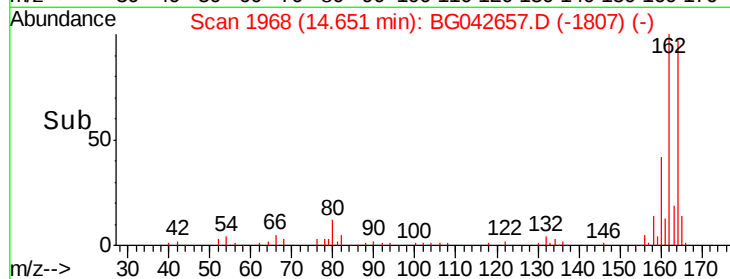
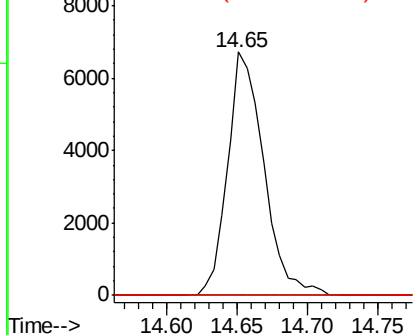
#51
 2,6-Dinitrotoluene
 Concen: 7.654 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042657.D
 Acq: 1 Sep 2019 7:15

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#



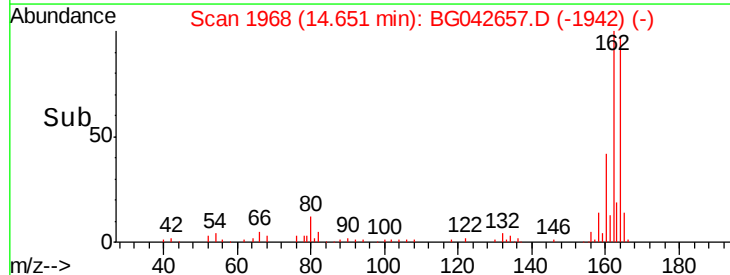
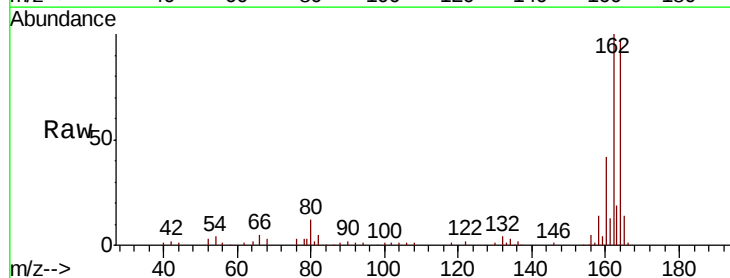
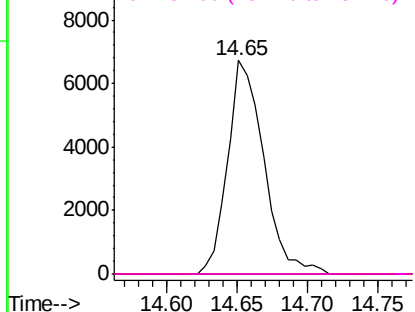
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.345 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.38 min
 Lab File: BG042657.D
 Acq: 1 Sep 2019 7:15

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: BG042657.D

Acq: 1 Sep 2019 7:15

Instrument :

BNA_G

ClientSampleId :

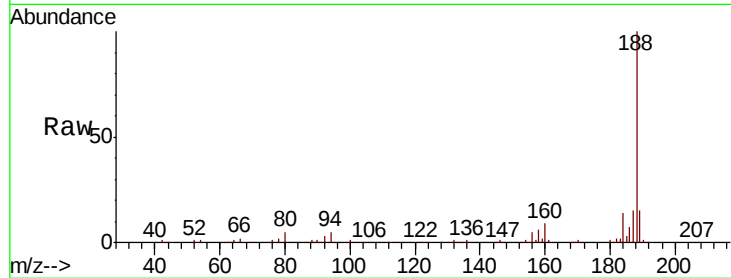
Tot Ion:188 Resp: 225440

Ion Ratio Lower Upper

188 100

94 5.2 4.5 6.7

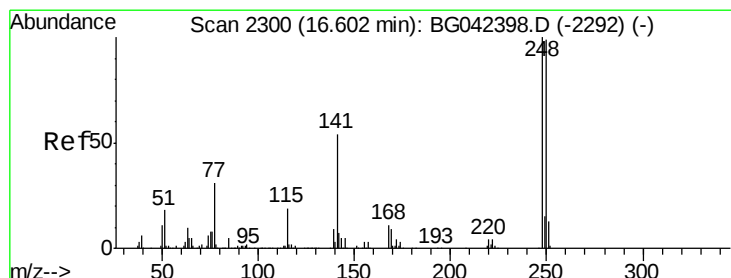
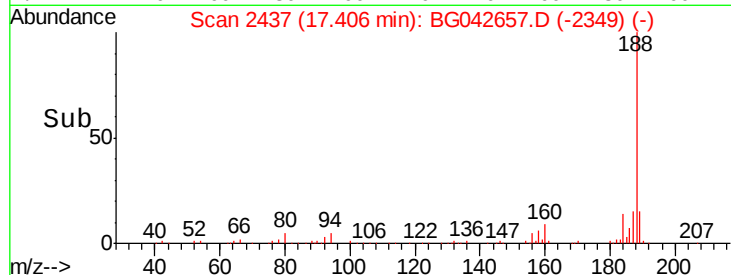
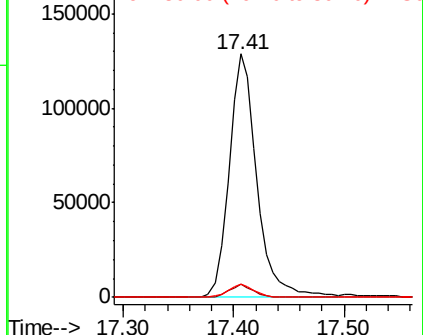
80 5.3 4.9 7.3



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: 4.718 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042657.D

Acq: 1 Sep 2019 7:15

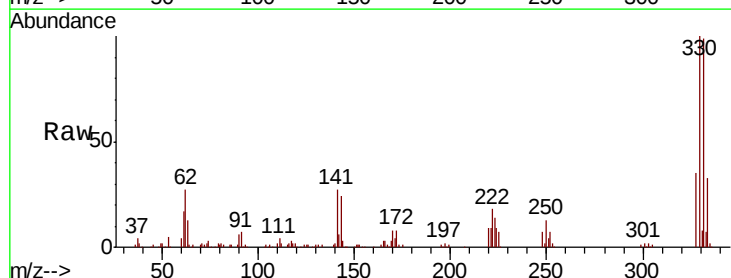
Tgt Ion:248 Resp: 13492

Ion Ratio Lower Upper

248 100

250 191.0 78.9 118.3#

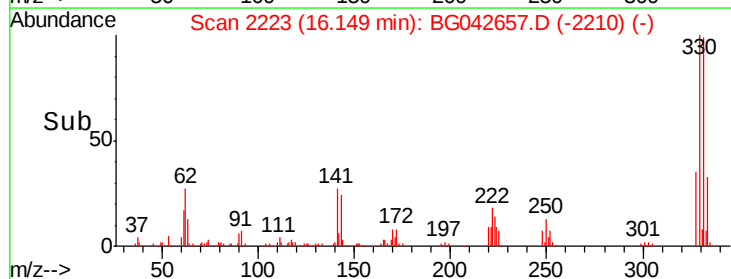
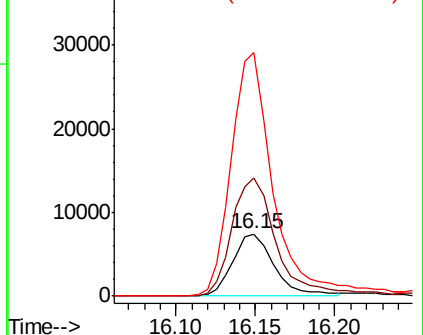
141 391.5 43.3 64.9#



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

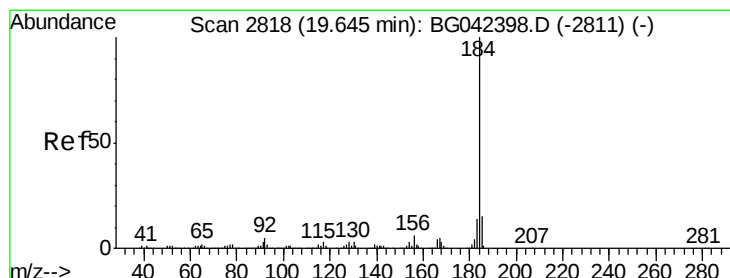
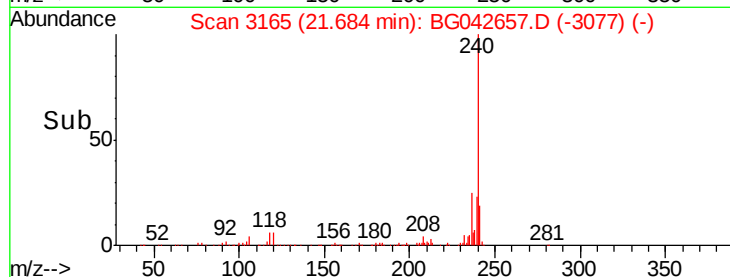
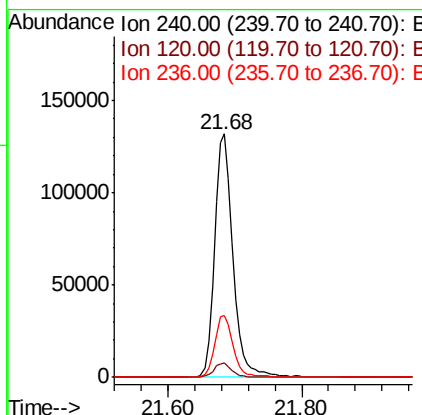
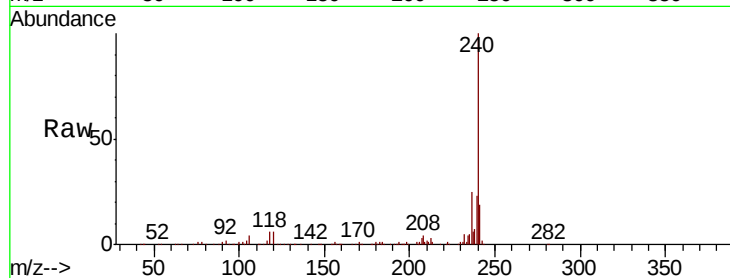




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042657.D
Acq: 1 Sep 2019 7:15

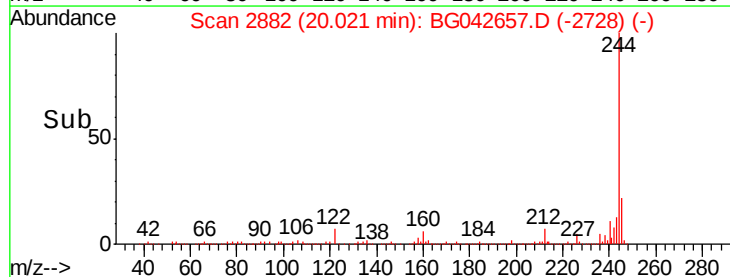
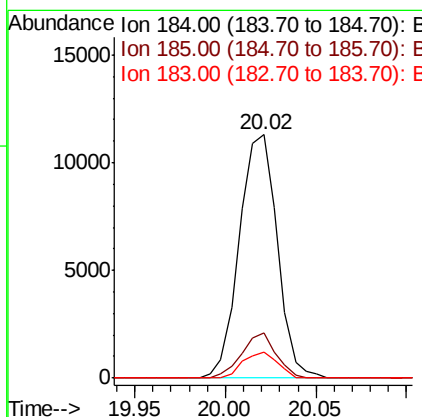
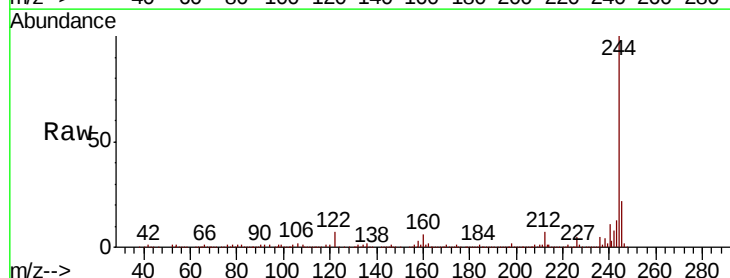
Instrument :
BNA_G
ClientSampleId :

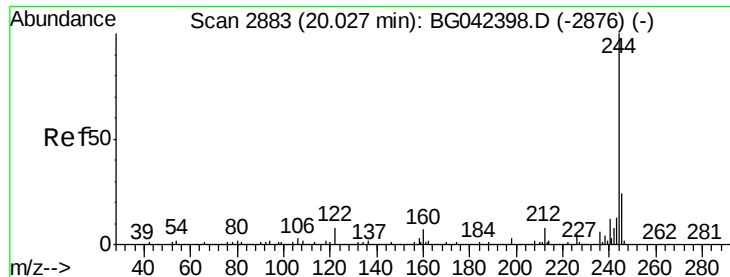
Tot Ion:240 Resp: 255070
Ion Ratio Lower Upper
240 100
120 6.0 5.7 8.5
236 25.2 21.0 31.4



#77
Benzidine
Concen: 2.247 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.38 min
Lab File: BG042657.D
Acq: 1 Sep 2019 7:15

Tgt Ion:184 Resp: 16432
Ion Ratio Lower Upper
184 100
185 18.5 12.2 18.4#
183 10.7 10.8 16.2#





#79

Terphenyl-d14

Concen: 110.596 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042657.D

Acq: 1 Sep 2019 7:15

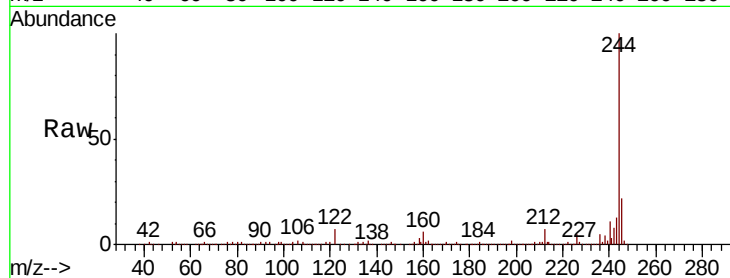
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1304847

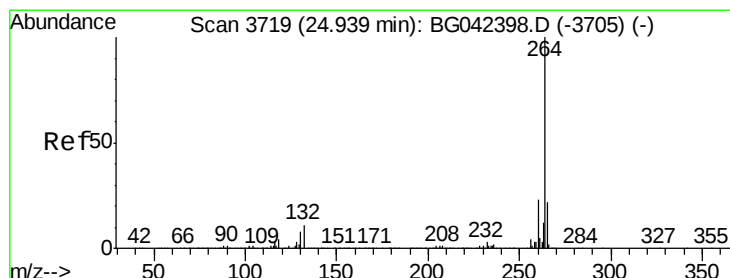
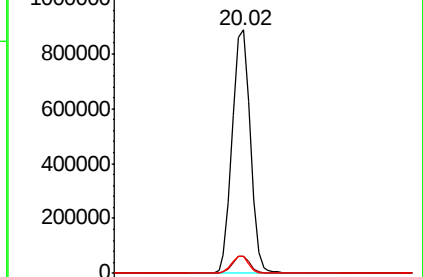
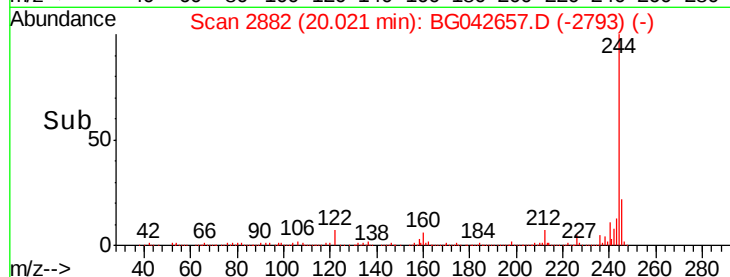
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	6.8	6.7	10.1



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

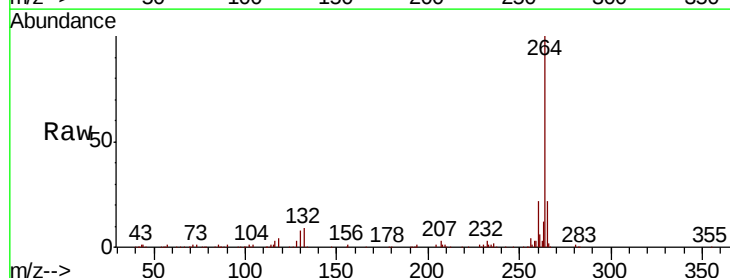
Delta R.T. -0.02 min

Lab File: BG042657.D

Acq: 1 Sep 2019 7:15

Tgt Ion:264 Resp: 295000

Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.5	27.7
265	21.6	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

