

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042649.D
 Acq On : 1 Sep 2019 2:08
 Operator : HP/JU
 Sample : K4547-21
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 04:09:55 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

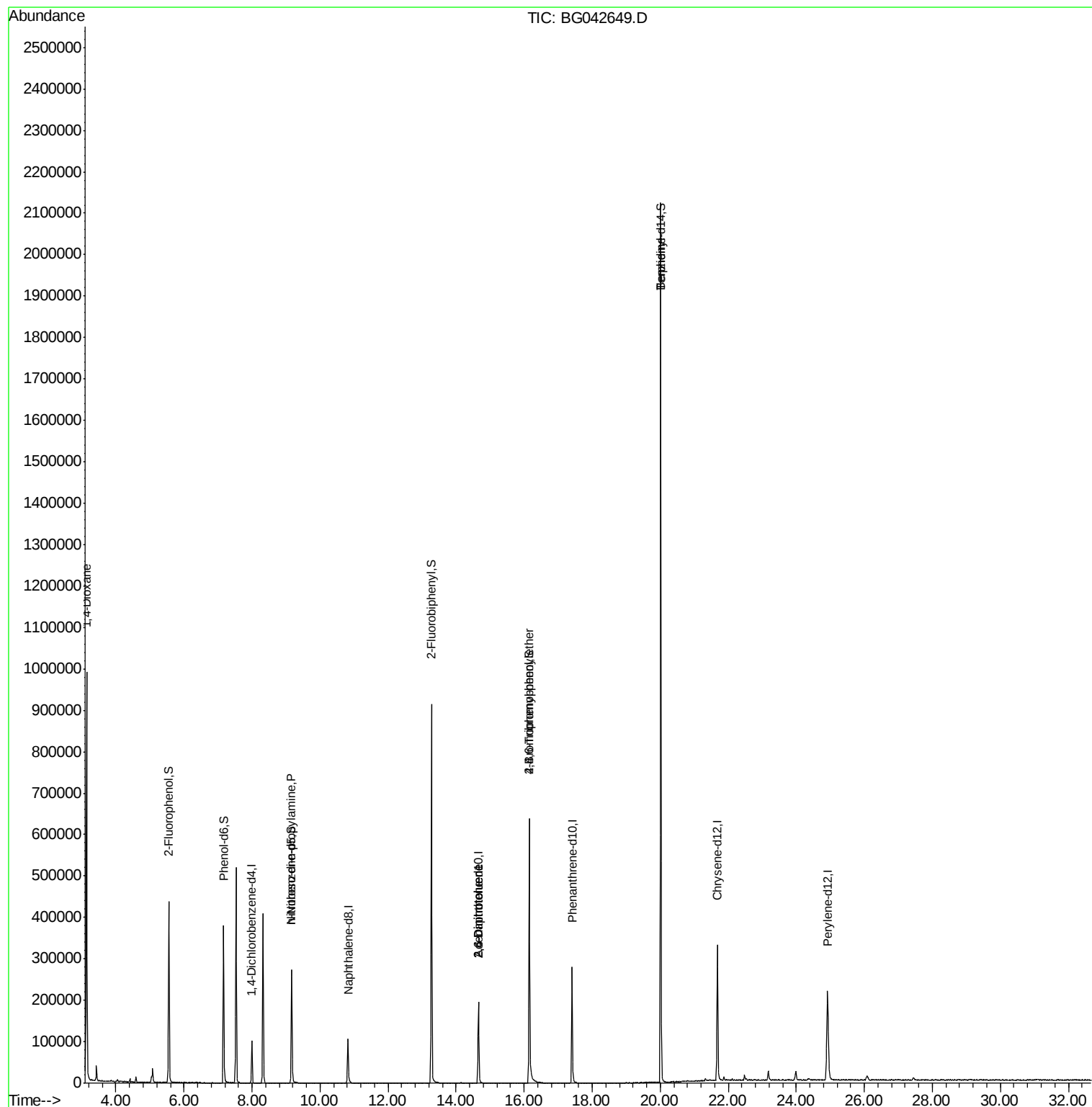
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	32961	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	125849	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	91241	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	216658	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	243736	20.00	ng	-0.01
87) Perylene-d12	24.92	264	283138	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	216731	133.17	ng	0.00
7) Phenol-d6	7.16	99	256176	116.53	ng	0.00
23) Nitrobenzene-d5	9.16	82	180506	99.12	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	185469	143.02	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	577649	107.08	ng	0.00
79) Terphenyl-d14	20.01	244	1201508	106.57	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.13	88	10735	15.806	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	24023	16.868	ng	# 76
51) 2,6-Dinitrotoluene	14.66	165	11540	7.562	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11540	5.281	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13129	4.777	ng	# 1
77) Benzidine	20.02	184	14675	2.100	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG042649.D

Acq: 1 Sep 2019 2:08

Instrument :

BNA_G

ClientSampleId :

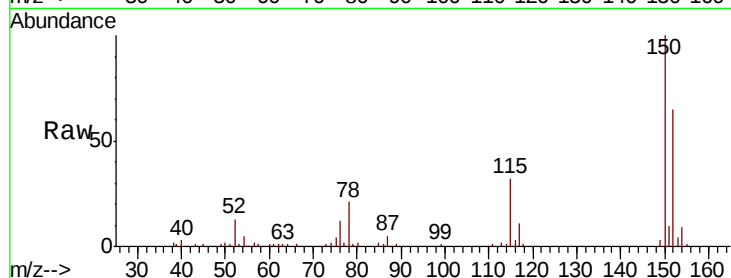
Tot Ion:152 Resp: 32961

Ion Ratio Lower Upper

152 100

150 153.5 125.4 188.0

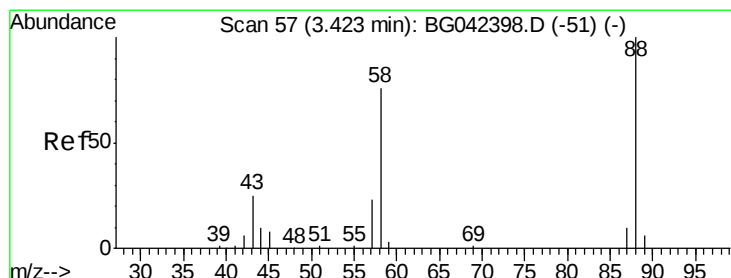
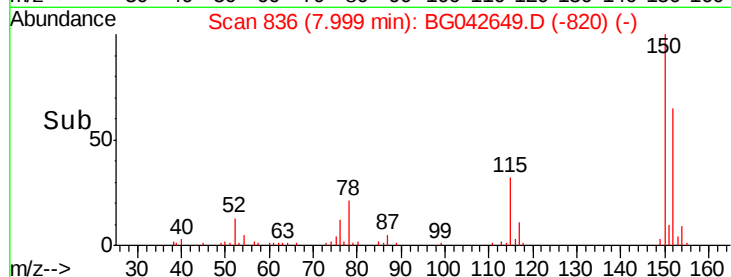
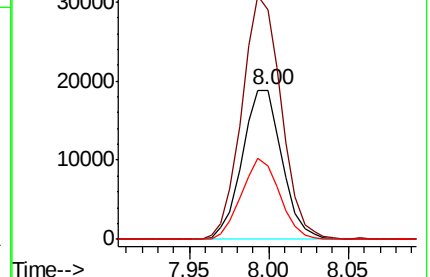
115 48.9 38.5 57.7



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: 15.806 ng

RT: 3.13 min Scan# 7

Delta R.T. -0.29 min

Lab File: BG042649.D

Acq: 1 Sep 2019 2:08

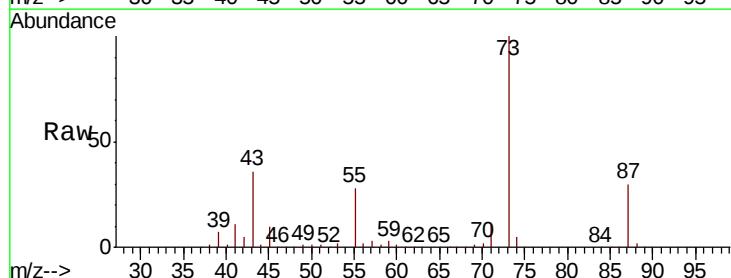
Tgt Ion: 88 Resp: 10735

Ion Ratio Lower Upper

88 100

58 25.1 58.3 87.5#

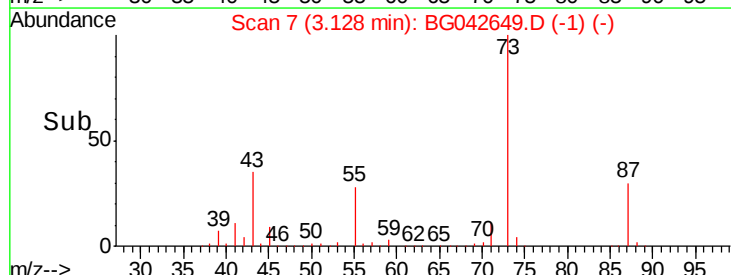
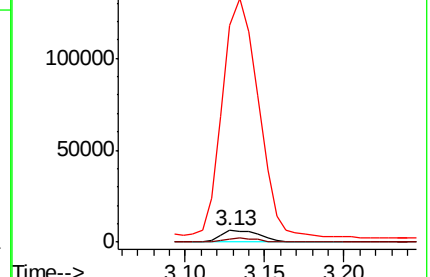
43 1951.1 20.2 30.2#

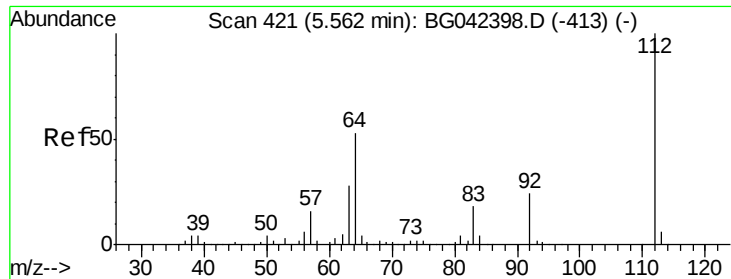


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 133.171 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042649.D

Acq: 1 Sep 2019 2:08

Instrument :

BNA_G

ClientSampled :

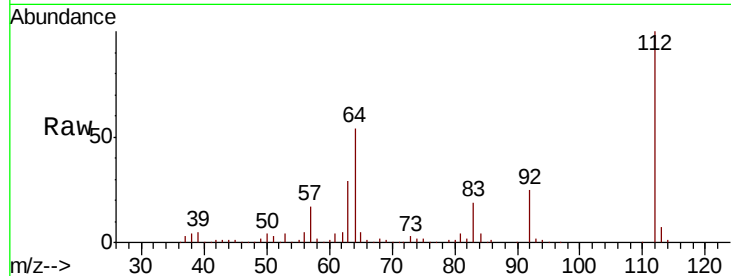
Tot Ion: 112 Resp: 216731

Ion Ratio Lower Upper

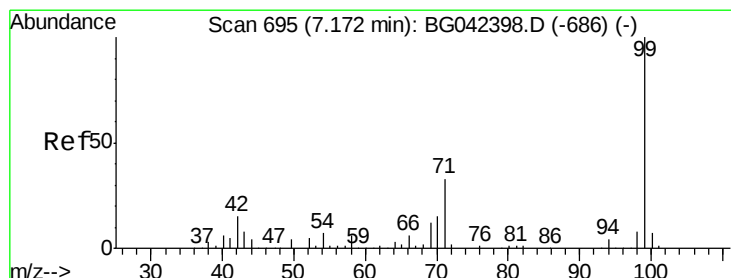
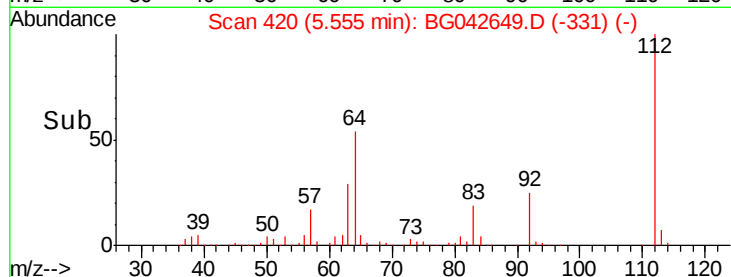
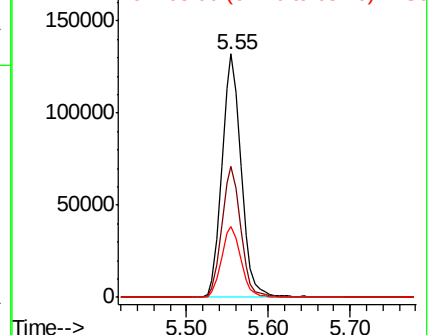
112 100

64 53.8 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: 116.531 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042649.D

Acq: 1 Sep 2019 2:08

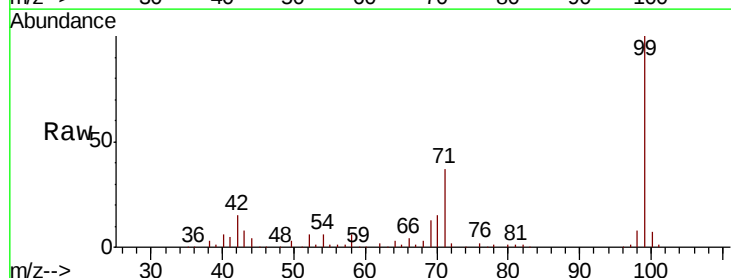
Tgt Ion: 99 Resp: 256176

Ion Ratio Lower Upper

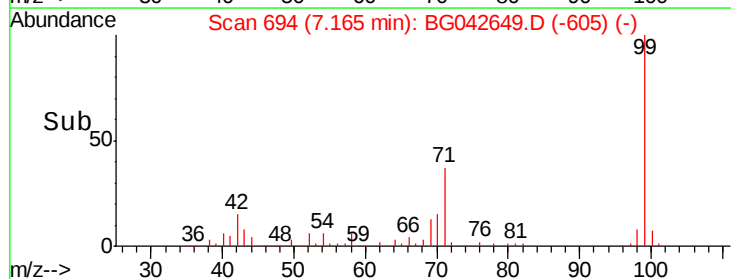
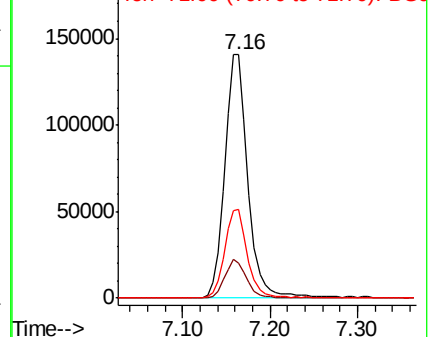
99 100

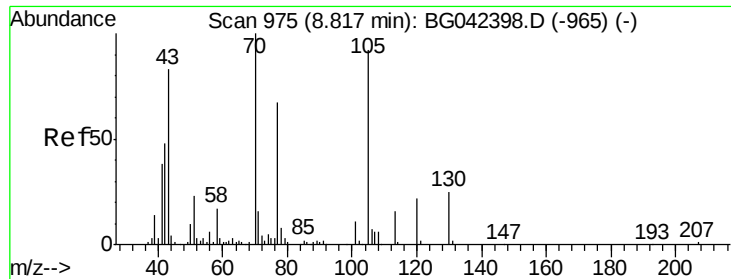
42 14.6 12.0 18.0

71 36.6 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

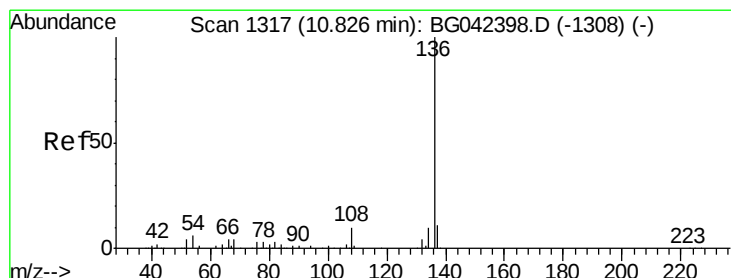
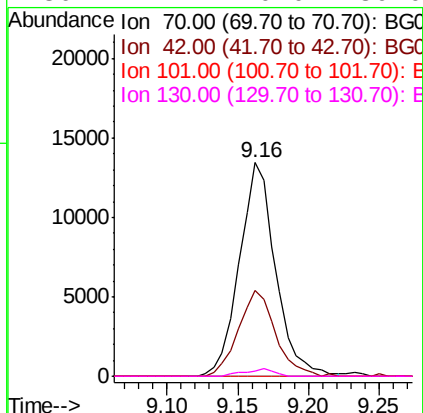
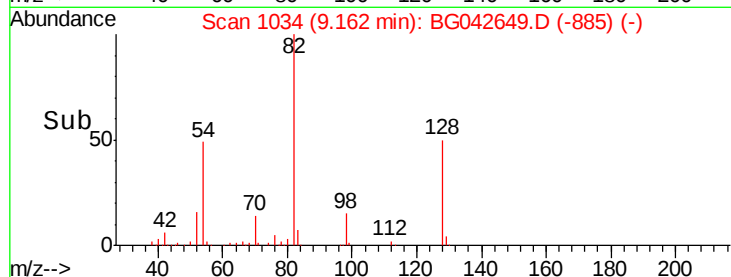
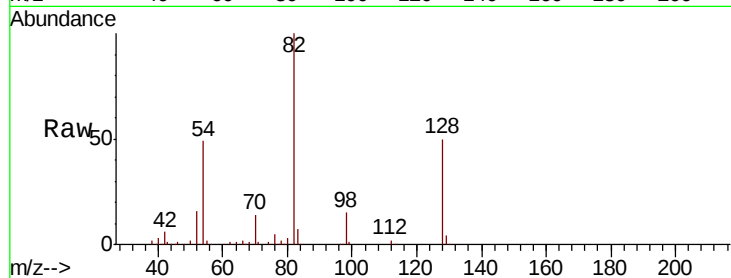




#19
n-Nitroso-di-n-propylamine
Concen: 16.868 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042649.D
Acq: 1 Sep 2019 2:08

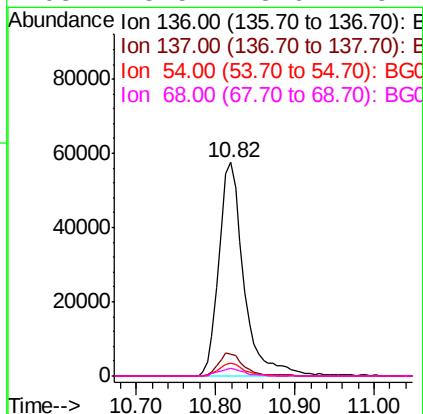
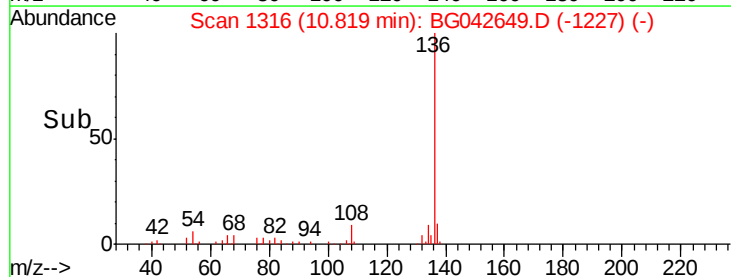
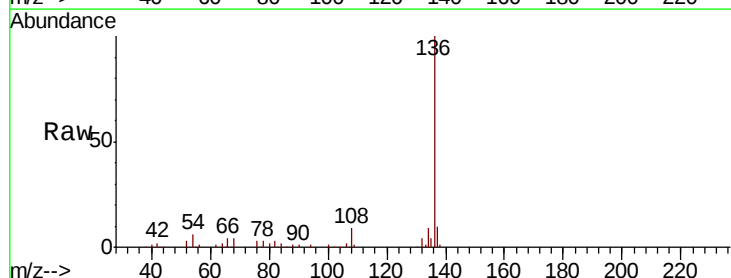
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 24023
Ion Ratio Lower Upper
70 100
42 40.2 38.8 58.2
101 0.0 9.0 13.6#
130 2.4 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: BG042649.D
Acq: 1 Sep 2019 2:08

Tgt Ion: 136 Resp: 125849
Ion Ratio Lower Upper
136 100
137 10.4 8.7 13.1
54 6.3 4.9 7.3
68 3.5 3.6 5.4#

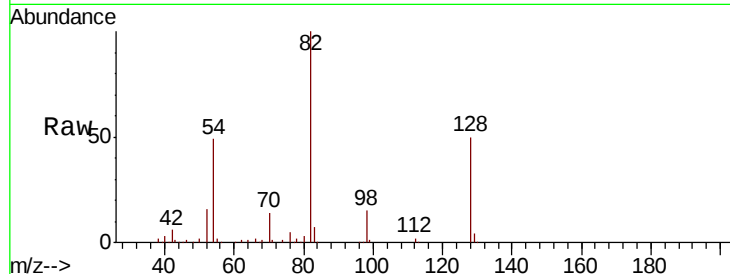




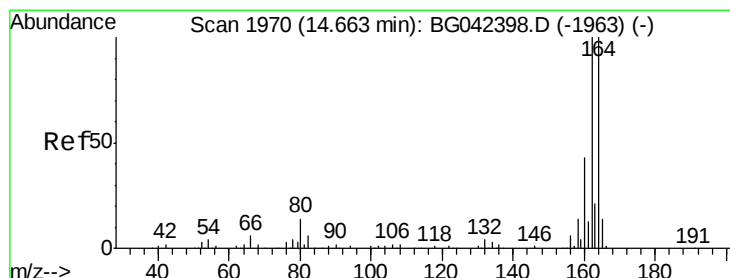
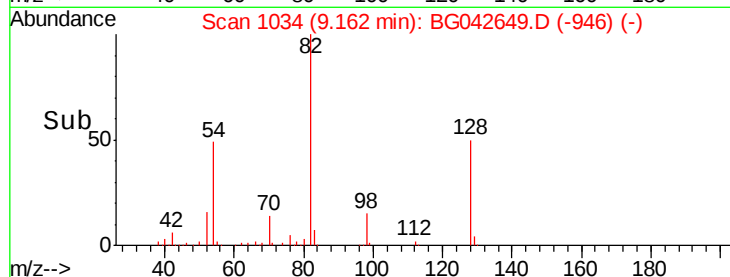
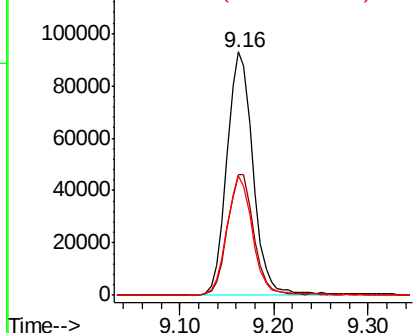
#23
Nitrobenzene-d5
Concen: 99.116 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042649.D
Acq: 1 Sep 2019 2:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 180506
Ion Ratio Lower Upper
82 100
128 49.8 40.7 61.1
54 49.0 36.3 54.5

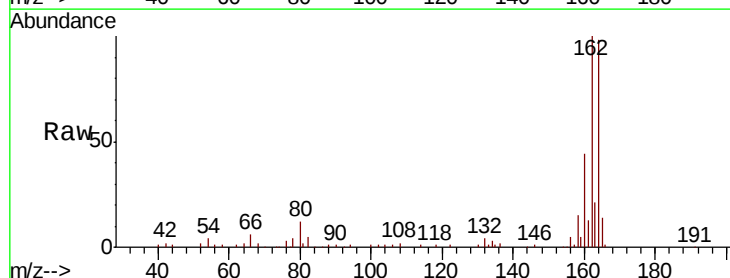


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

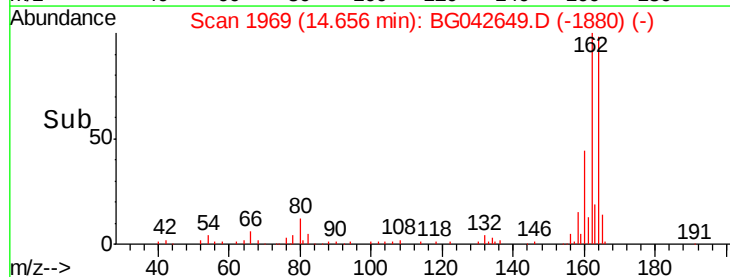
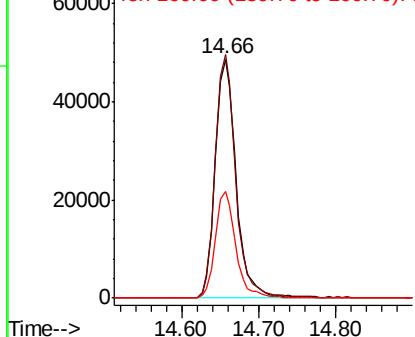


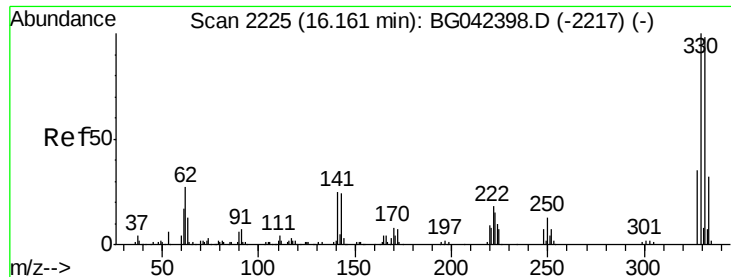
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042649.D
Acq: 1 Sep 2019 2:08

Tgt Ion:164 Resp: 91241
Ion Ratio Lower Upper
164 100
162 101.9 79.9 119.9
160 44.6 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

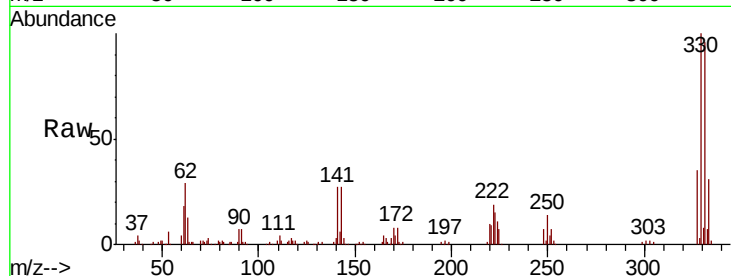




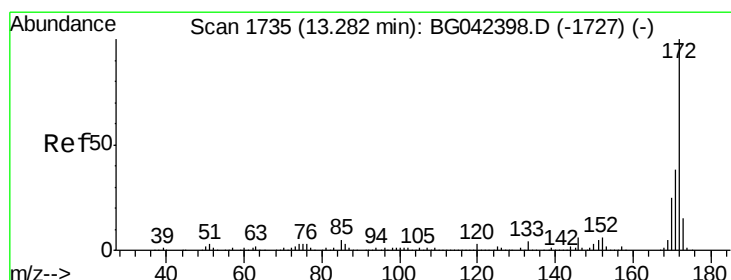
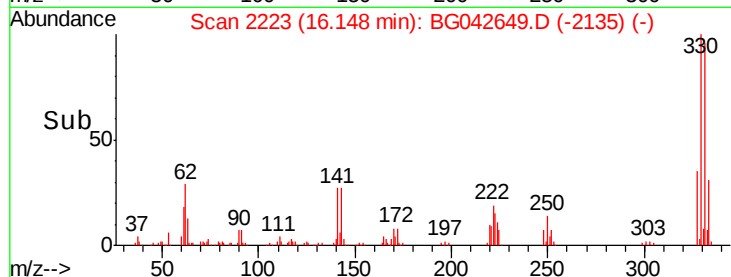
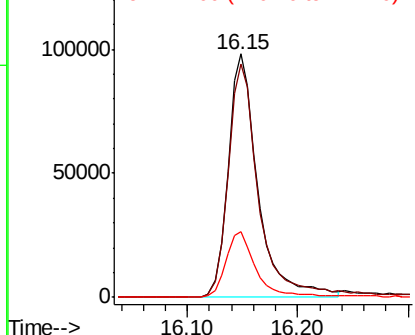
#42
 2,4,6-Tribromophenol
 Concen: 143.016 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042649.D
 Acq: 1 Sep 2019 2:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.6	77.4	116.0
141	27.2	21.4	32.0

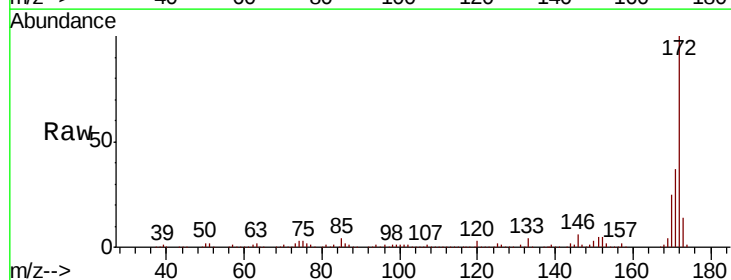


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

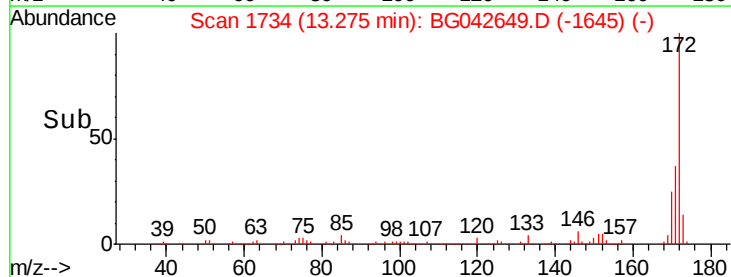
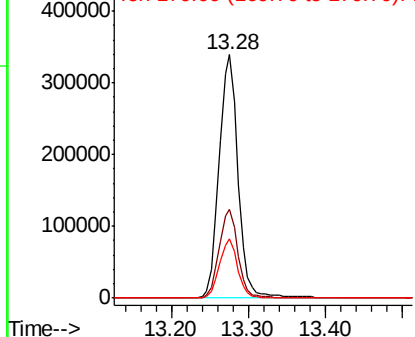


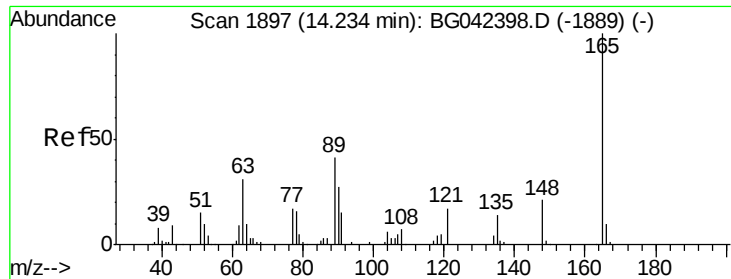
#45
 2-Fluorobiphenyl
 Concen: 107.076 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042649.D
 Acq: 1 Sep 2019 2:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.5	45.7
170	24.5	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

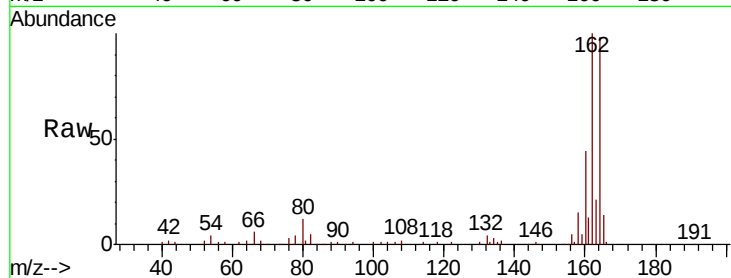




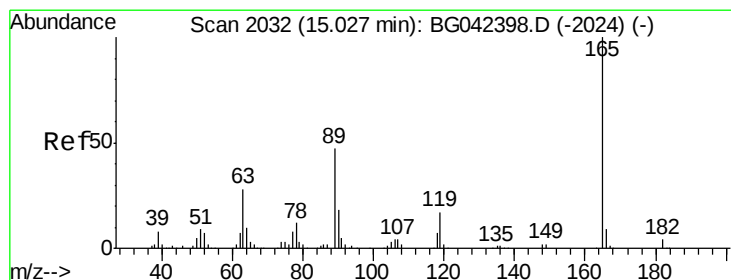
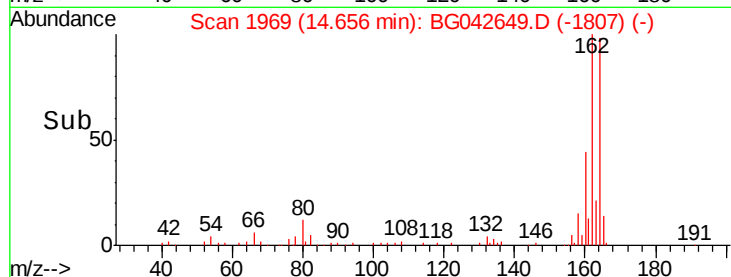
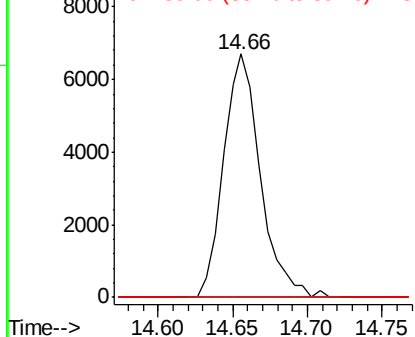
#51
 2,6-Dinitrotoluene
 Concen: 7.562 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042649.D
 Acq: 1 Sep 2019 2:08

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#

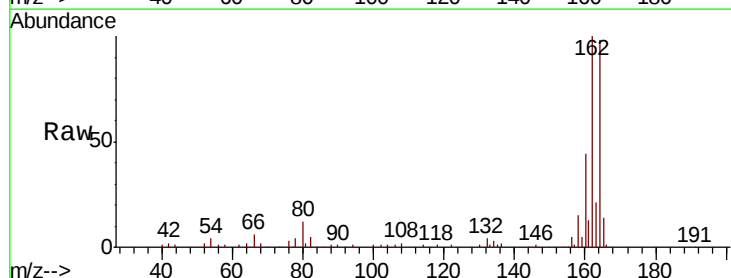


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

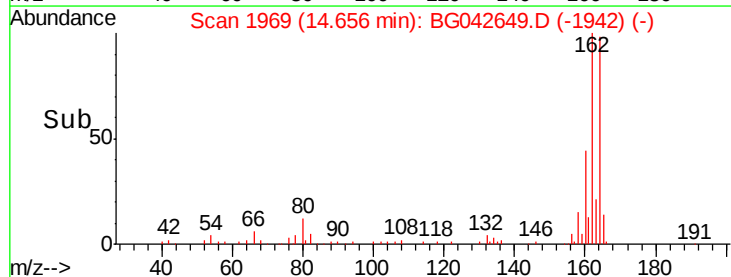
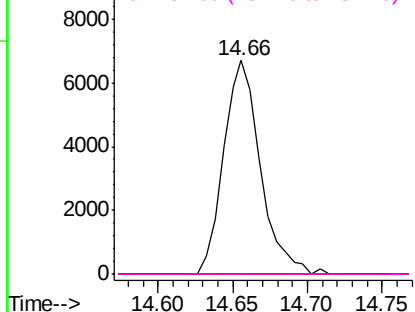


#57
 2,4-Dinitrotoluene
 Concen: 5.281 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042649.D
 Acq: 1 Sep 2019 2:08

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

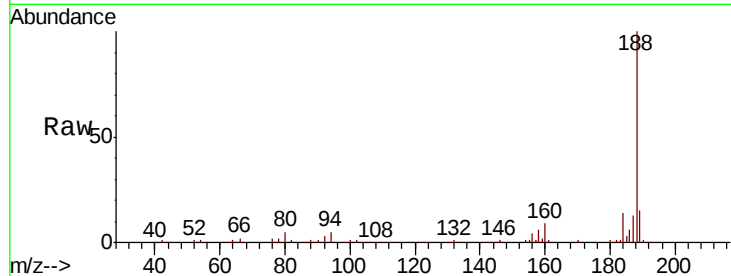




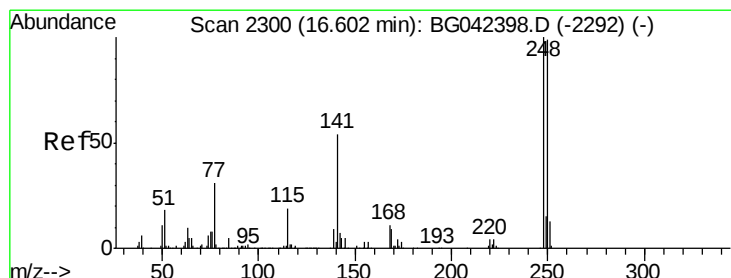
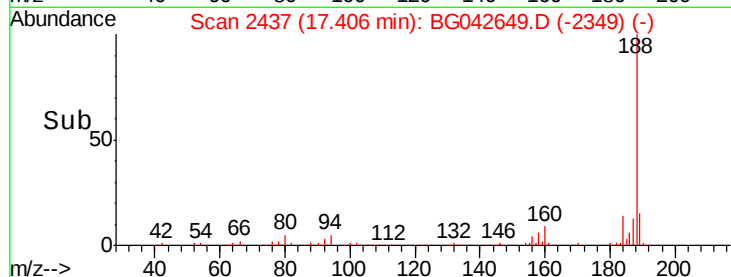
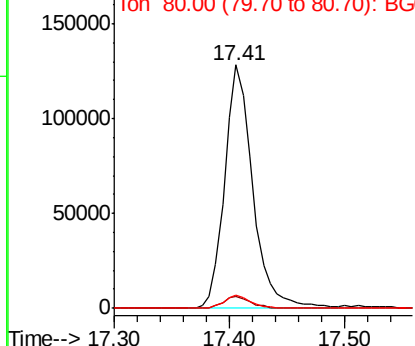
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042649.D
 Acq: 1 Sep 2019 2:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 216658
 Ion Ratio Lower Upper
 188 100
 94 5.1 4.5 6.7
 80 5.3 4.9 7.3

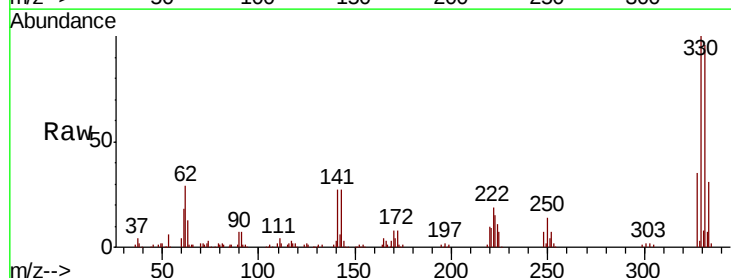


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

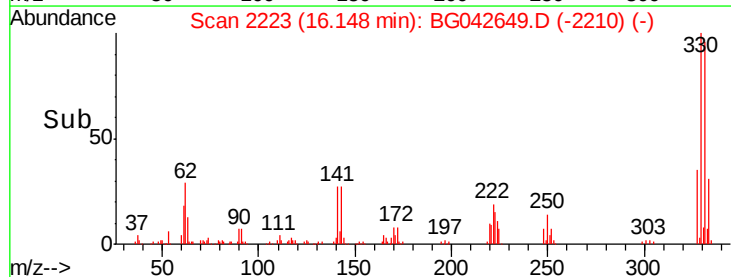
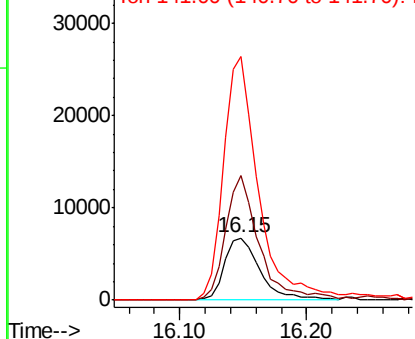


#67
 4-Bromophenyl-phenylether
 Concen: 4.777 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042649.D
 Acq: 1 Sep 2019 2:08

Tgt Ion:248 Resp: 13129
 Ion Ratio Lower Upper
 248 100
 250 199.2 78.9 118.3#
 141 390.8 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

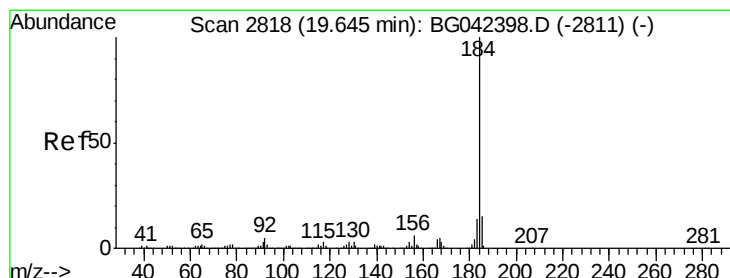
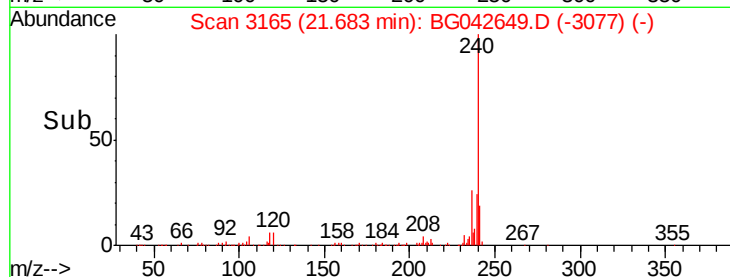
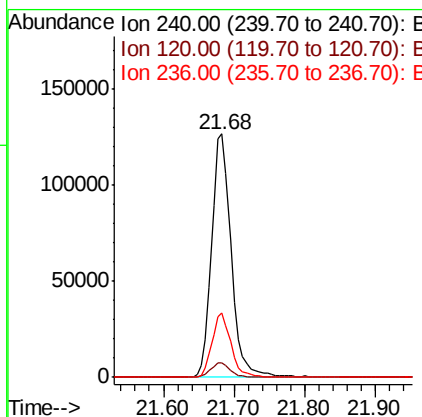
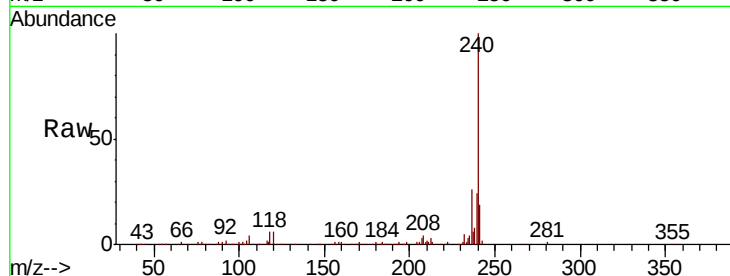




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042649.D
Acq: 1 Sep 2019 2:08

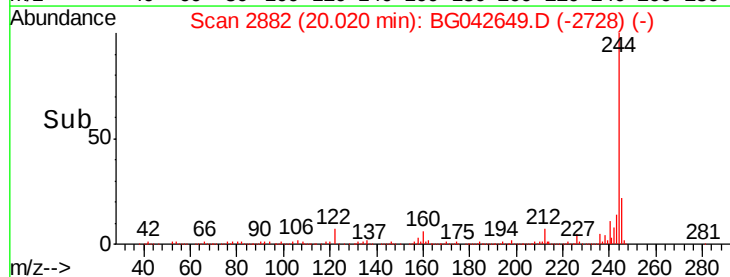
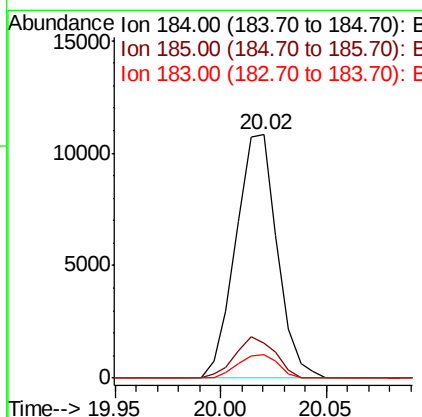
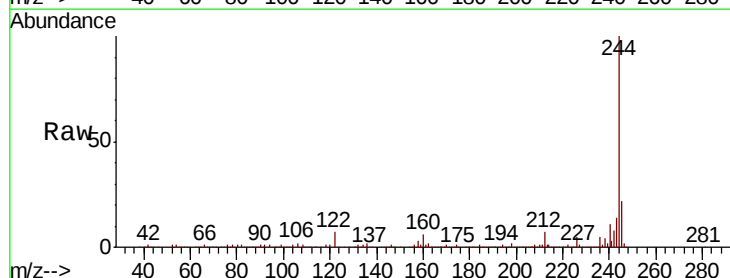
Instrument :
BNA_G
ClientSampleId :

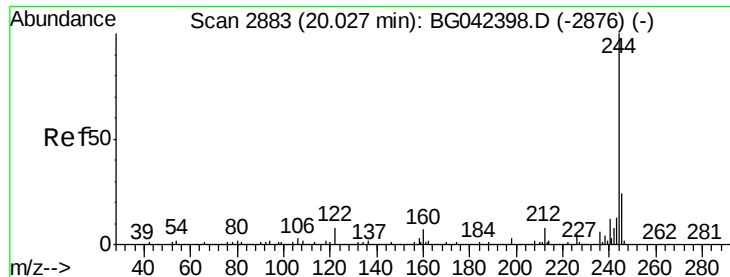
Tot Ion:240 Resp: 243736
Ion Ratio Lower Upper
240 100
120 5.9 5.7 8.5
236 26.2 21.0 31.4



#77
Benzidine
Concen: 2.100 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.37 min
Lab File: BG042649.D
Acq: 1 Sep 2019 2:08

Tgt Ion:184 Resp: 14675
Ion Ratio Lower Upper
184 100
185 14.2 12.2 18.4
183 9.8 10.8 16.2#





#79

Terphenyl-d14

Concen: 106.573 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042649.D

Acq: 1 Sep 2019 2:08

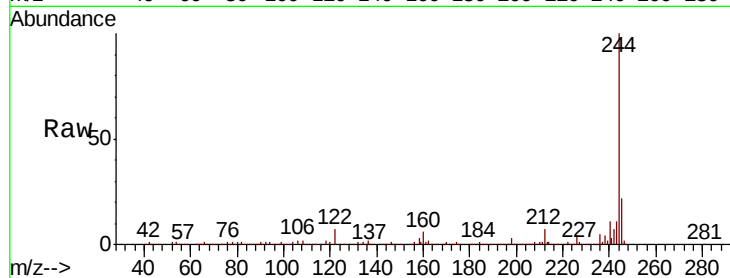
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1201508

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	7.0	6.7	10.1

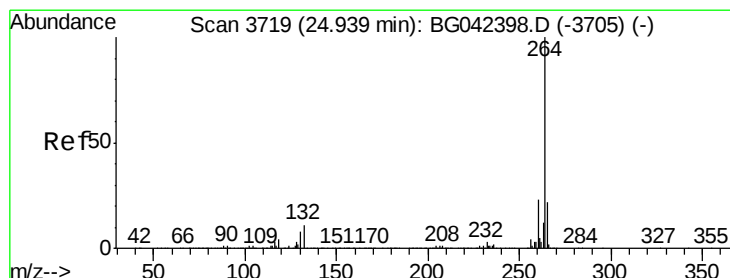
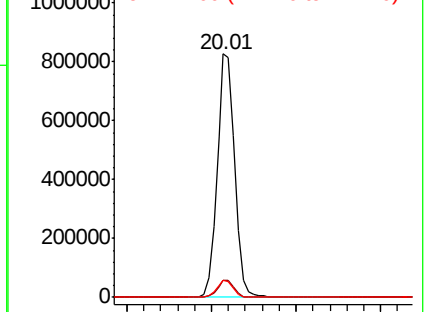
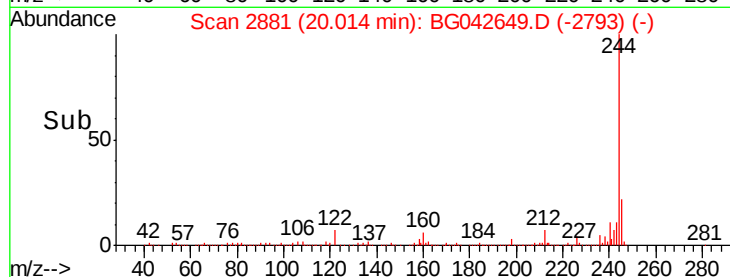


Abundance

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

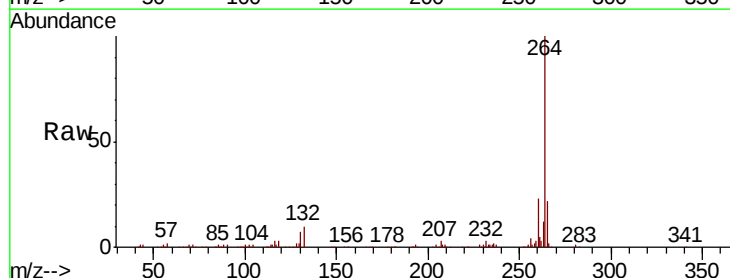
Delta R.T. -0.02 min

Lab File: BG042649.D

Acq: 1 Sep 2019 2:08

Tgt Ion:264 Resp: 283138

Ion	Ratio	Lower	Upper
264	100		
260	22.9	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

