

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042659.D
 Acq On : 1 Sep 2019 8:32
 Operator : HP/JU
 Sample : K4601-30
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 08:01:51 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

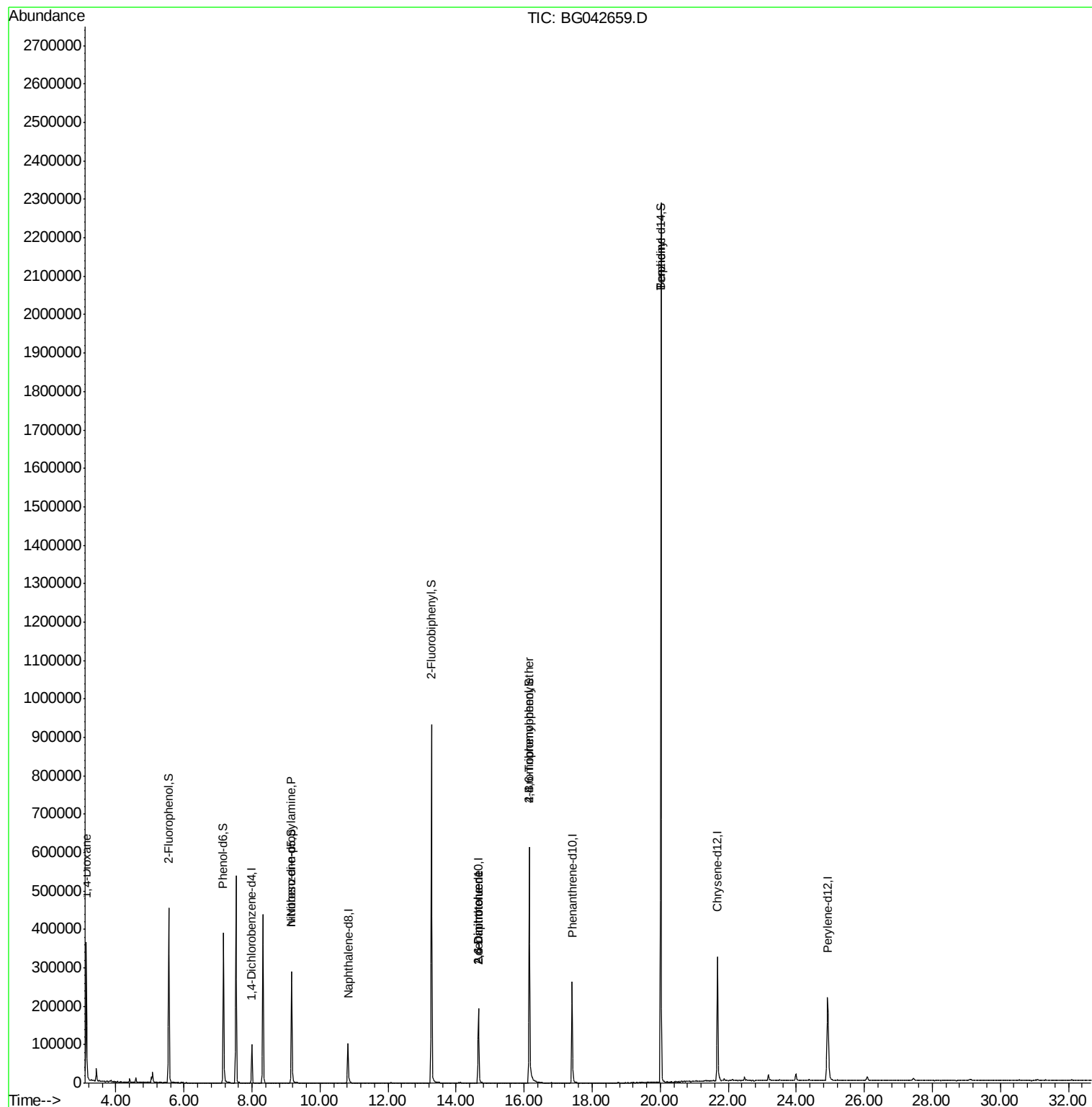
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	33385	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	124683	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	92270	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	218229	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	249200	20.00	ng	-0.01
87) Perylene-d12	24.92	264	289941	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	230001	139.53	ng	0.00
7) Phenol-d6	7.16	99	262931	118.09	ng	-0.01
23) Nitrobenzene-d5	9.16	82	189170	104.85	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	189545	144.53	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	602714	110.48	ng	0.00
79) Terphenyl-d14	20.02	244	1229150	106.63	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	3706	5.387	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	24697	17.121	ng	# 74
51) 2,6-Dinitrotoluene	14.66	165	12074	7.824	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12075	5.464	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12668	4.576	ng	# 1
77) Benzidine	20.02	184	15760	2.206	ng	# 93

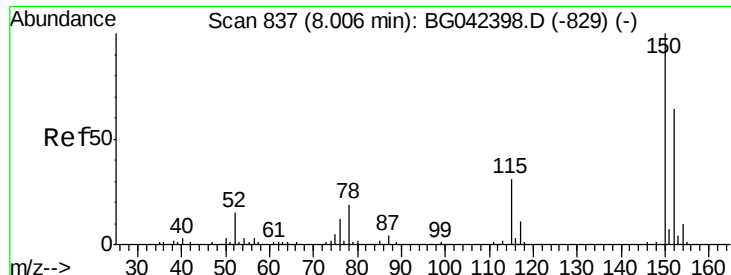
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Sep 02 08:01:51 2019
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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: BG042659.D

Acq: 1 Sep 2019 8:32

Instrument :

BNA_G

ClientSampleId :

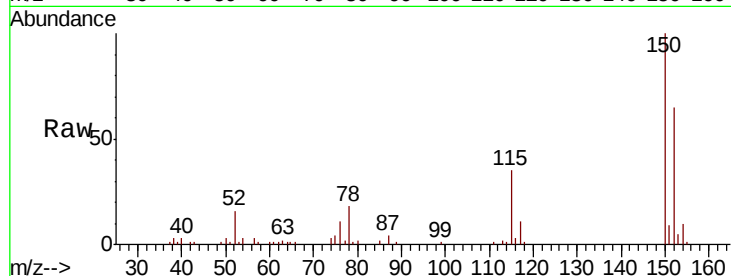
Tot Ion:152 Resp: 33385

Ion Ratio Lower Upper

152 100

150 152.8 125.4 188.0

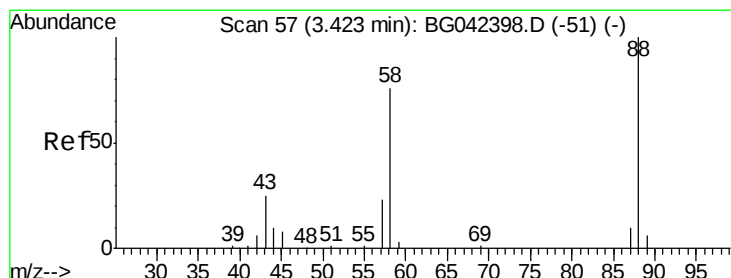
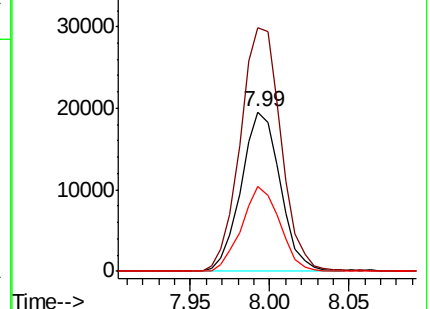
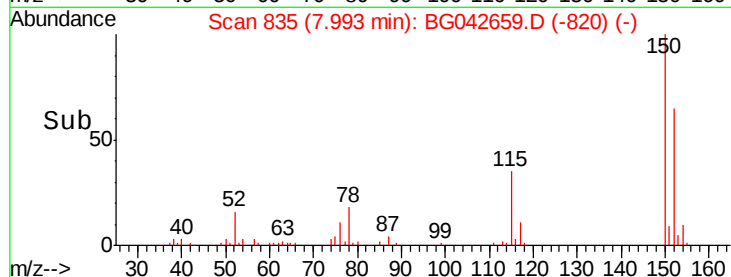
115 53.5 38.5 57.7



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: 5.387 ng

RT: 3.13 min Scan# 8

Delta R.T. -0.29 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

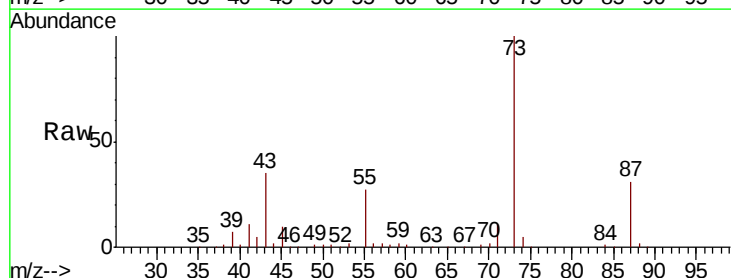
Tgt Ion: 88 Resp: 3706

Ion Ratio Lower Upper

88 100

58 36.9 58.3 87.5#

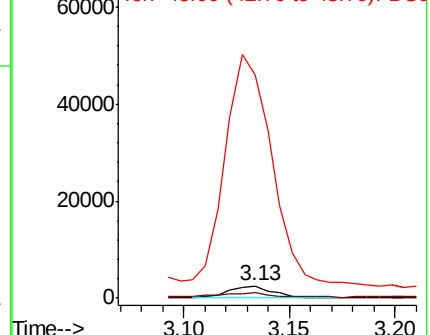
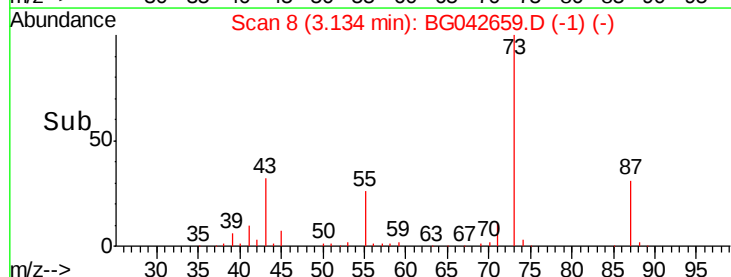
43 2127.3 20.2 30.2#

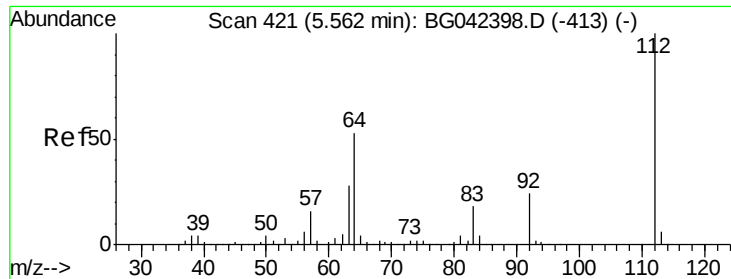


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 139.529 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042659.D

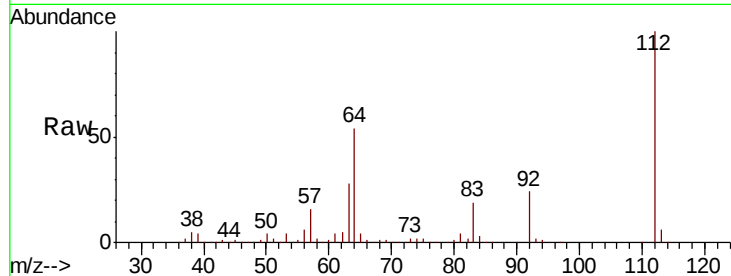
Acq: 1 Sep 2019 8:32

Instrument :

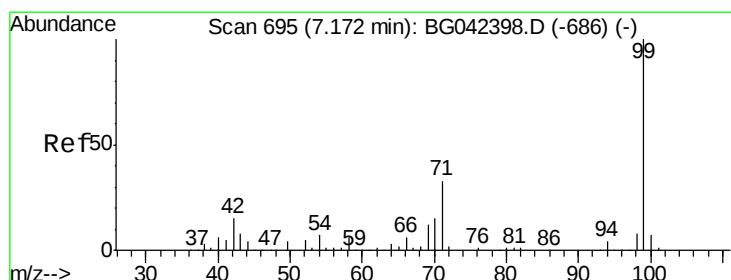
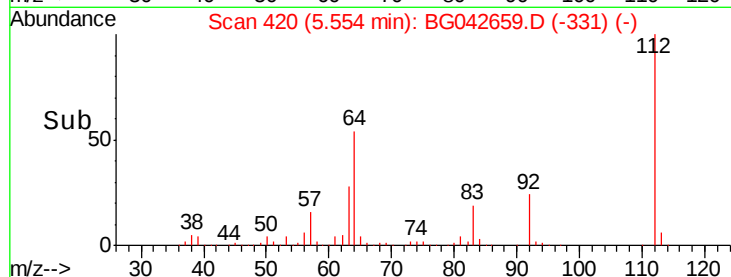
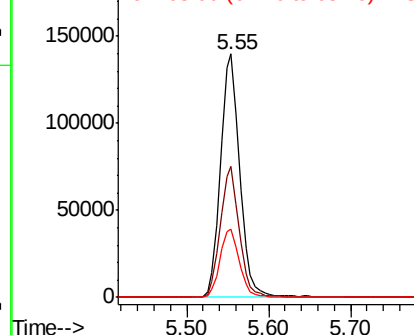
BNA_G

ClientSampleId :

Tot Ion:	112	Resp:	230001
Ion	Ratio	Lower	Upper
112	100		
64	53.8	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



#7

Phenol-d6

Concen: 118.085 ng

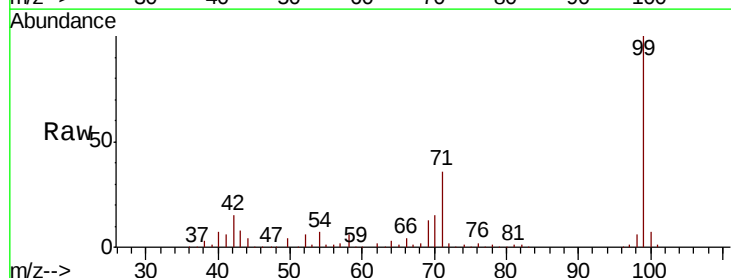
RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

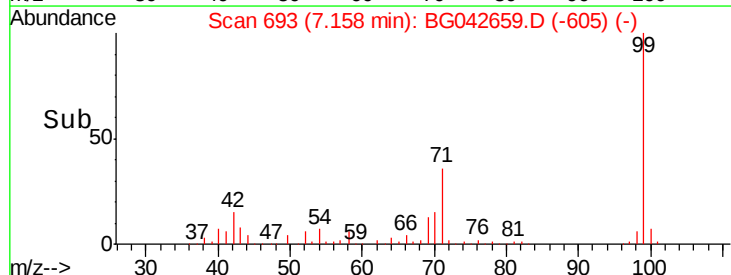
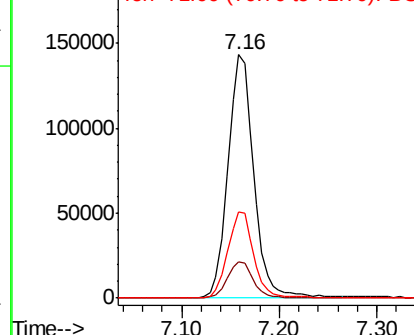
Lab File: BG042659.D

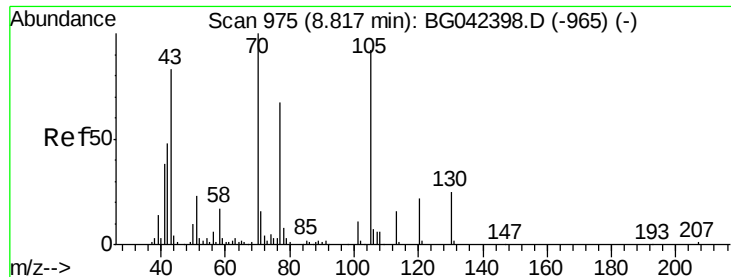
Acq: 1 Sep 2019 8:32

Tgt Ion:	99	Resp:	262931
Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.0	18.0
71	35.5	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: 17.121 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 24697

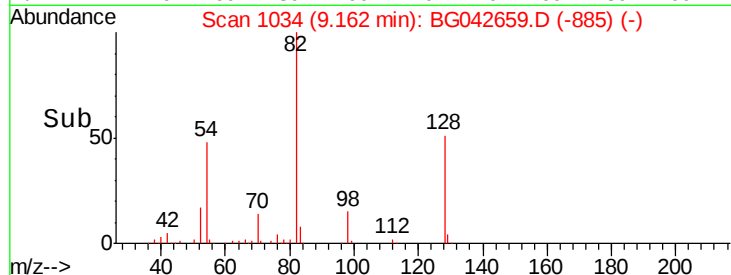
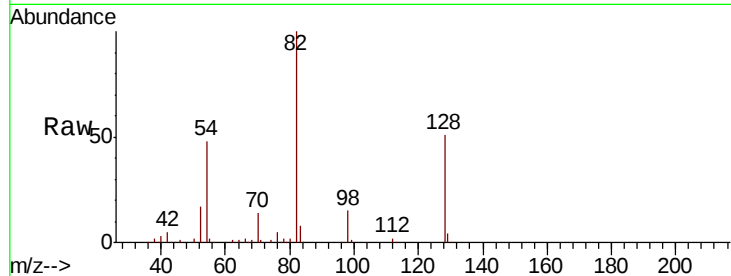
Ion Ratio Lower Upper

70 100

42 38.7 38.8 58.2#

101 0.0 9.0 13.6#

130 2.2 20.0 30.0#

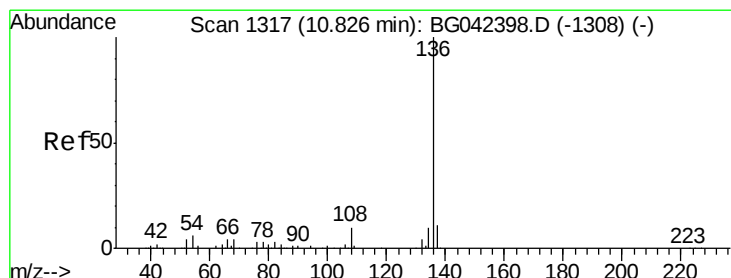
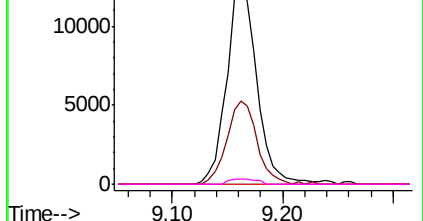


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG042659.D

Acq: 1 Sep 2019 8:32

Tgt Ion: 136 Resp: 124683

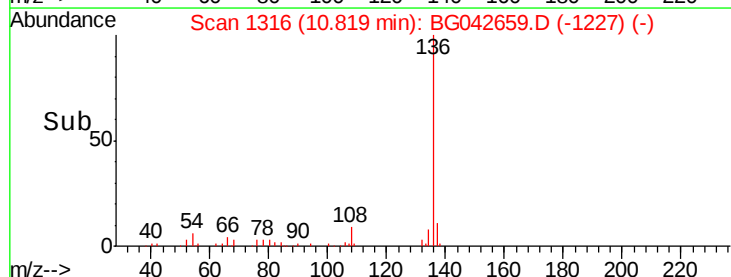
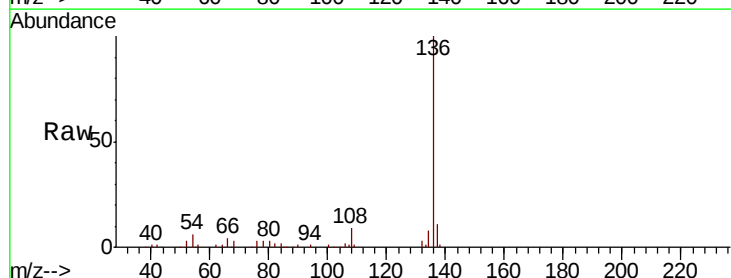
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 5.7 4.9 7.3

68 3.2 3.6 5.4#

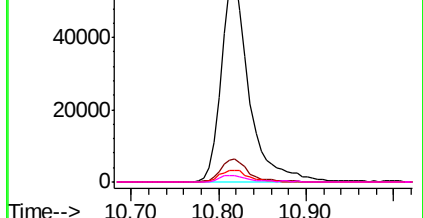


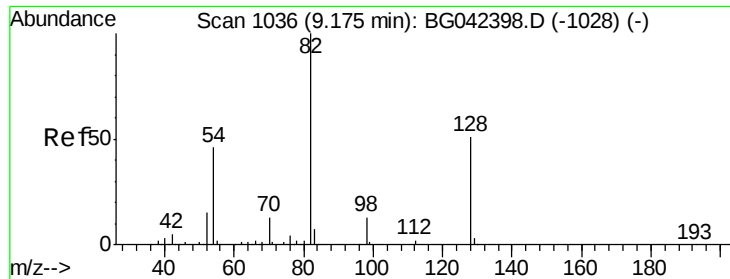
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

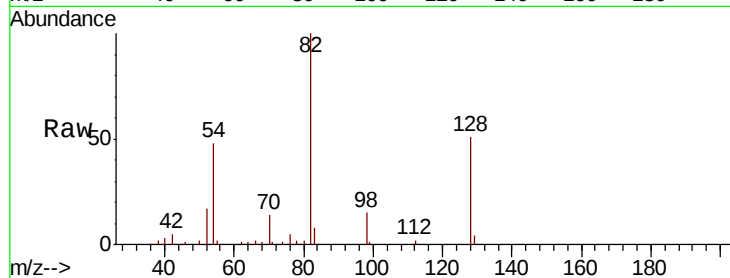




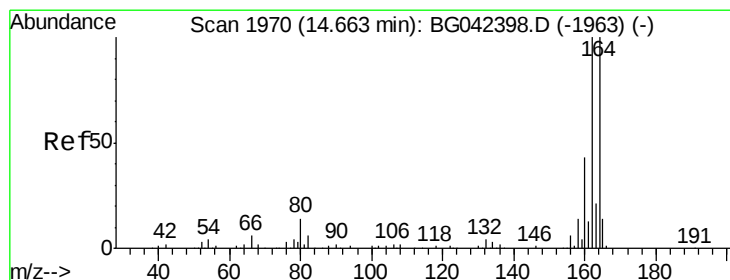
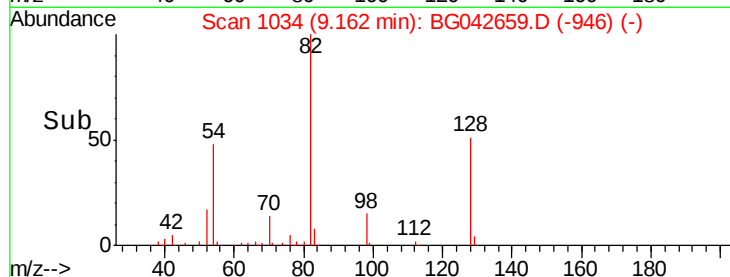
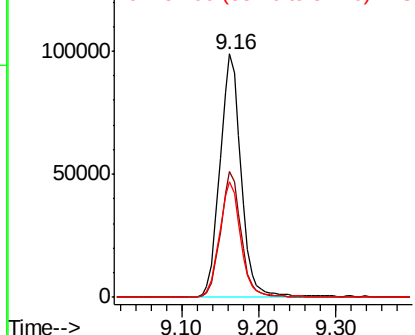
#23
Nitrobenzene-d5
Concen: 104.845 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042659.D
Acq: 1 Sep 2019 8:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 189170
Ion Ratio Lower Upper
82 100
128 51.5 40.7 61.1
54 47.7 36.3 54.5

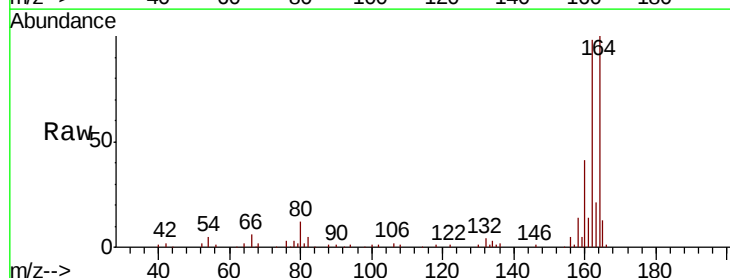


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

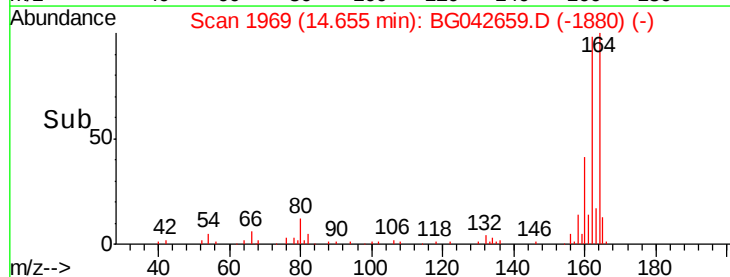
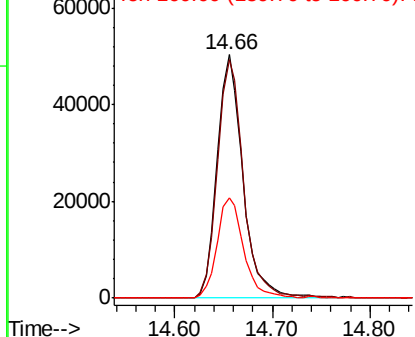


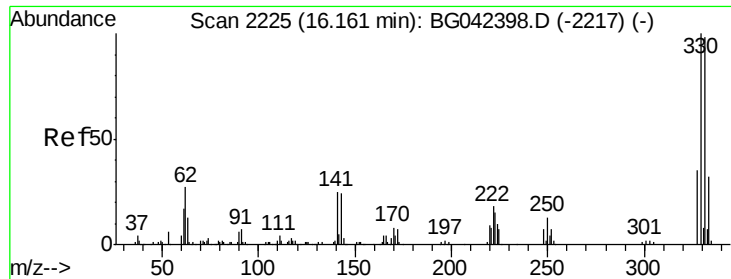
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042659.D
Acq: 1 Sep 2019 8:32

Tgt Ion:164 Resp: 92270
Ion Ratio Lower Upper
164 100
162 97.8 79.9 119.9
160 41.3 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

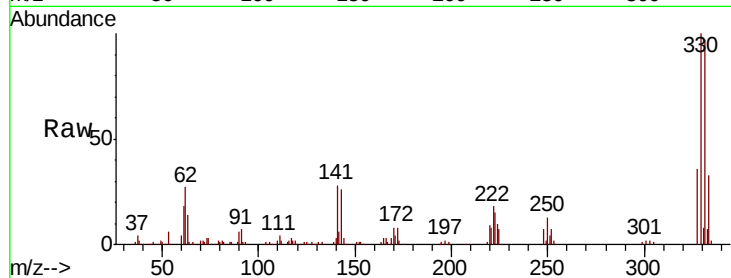




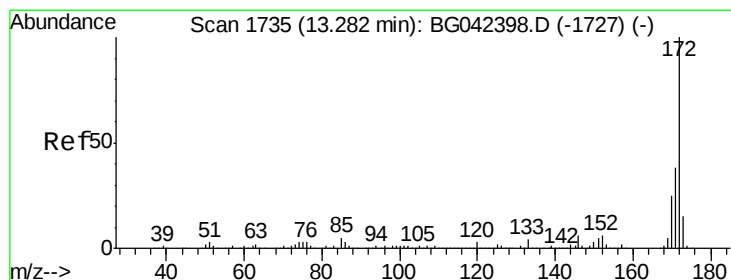
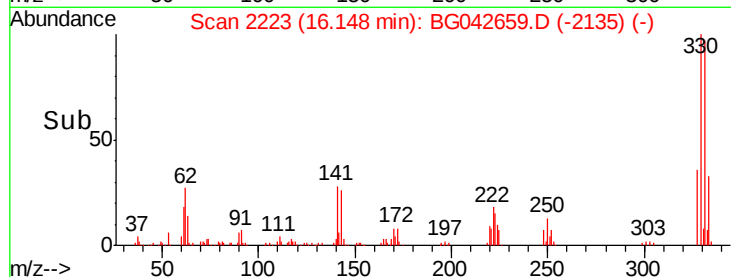
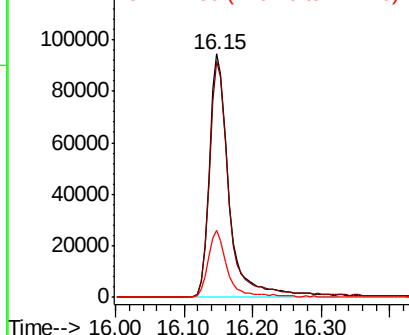
#42
 2,4,6-Tribromophenol
 Concen: 144.529 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042659.D
 Acq: 1 Sep 2019 8:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	27.0	21.4	32.0

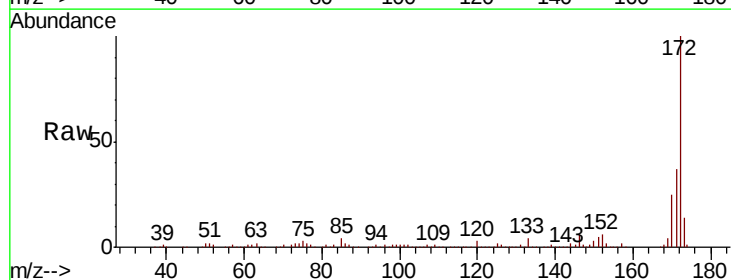


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

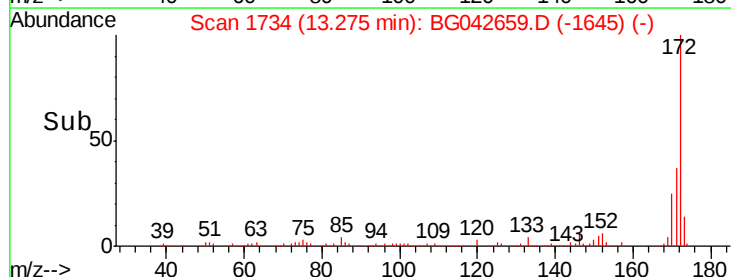
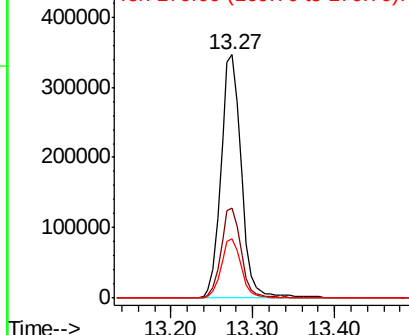


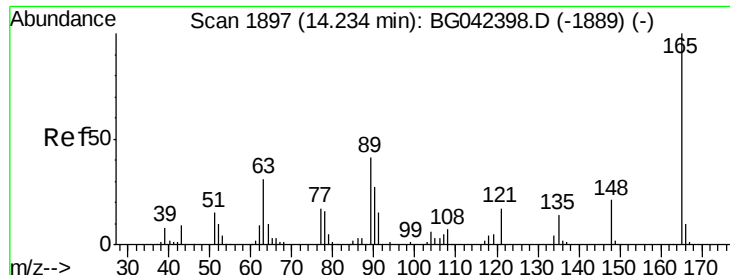
#45
 2-Fluorobiphenyl
 Concen: 110.476 ng
 RT: 13.27 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042659.D
 Acq: 1 Sep 2019 8:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	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

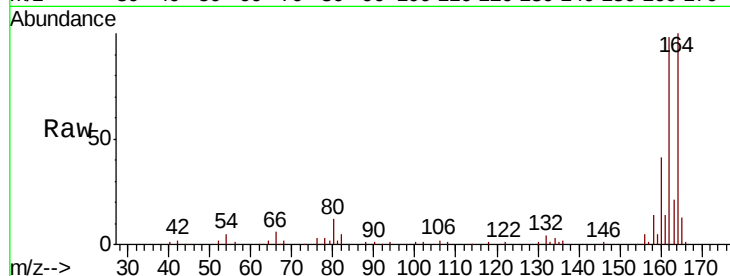




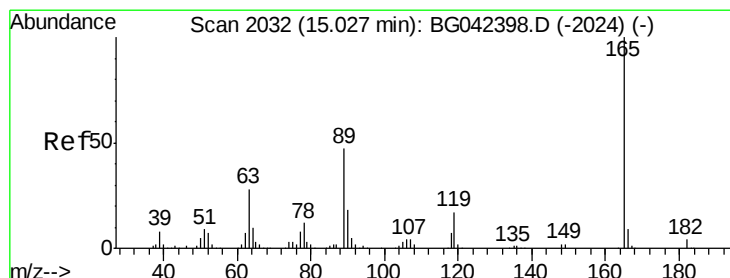
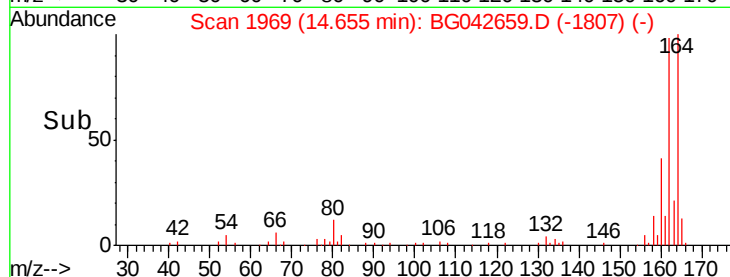
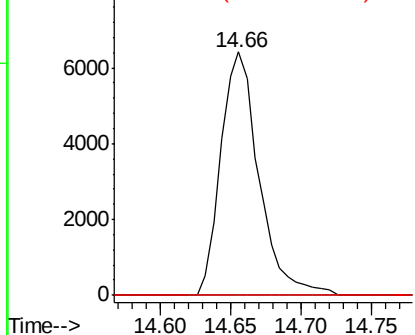
#51
 2,6-Dinitrotoluene
 Concen: 7.824 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042659.D
 Acq: 1 Sep 2019 8:32

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#



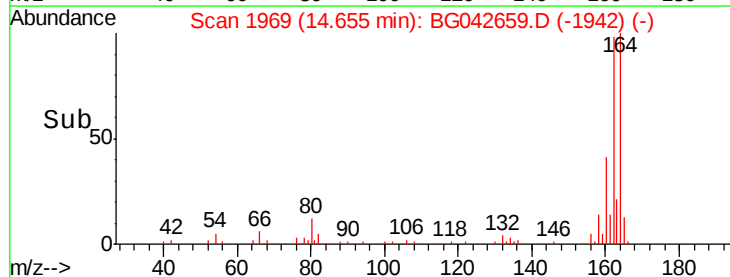
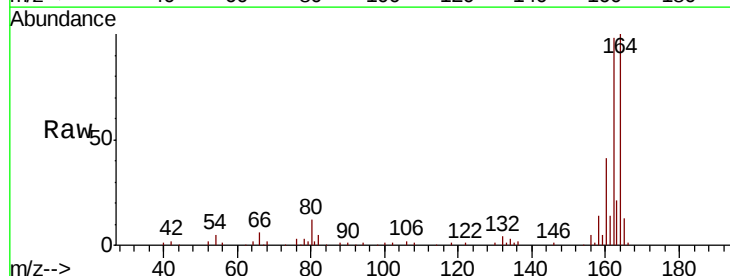
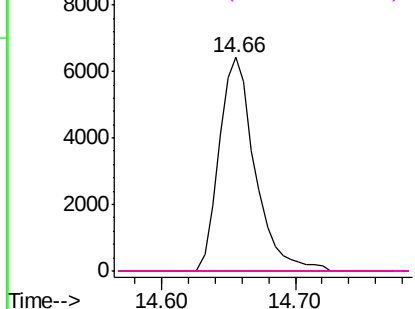
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

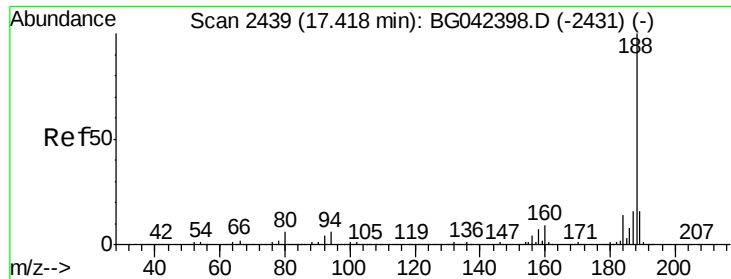


#57
 2,4-Dinitrotoluene
 Concen: 5.464 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042659.D
 Acq: 1 Sep 2019 8:32

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: BG042659.D

Acq: 1 Sep 2019 8:32

Instrument :

BNA_G

ClientSampleId :

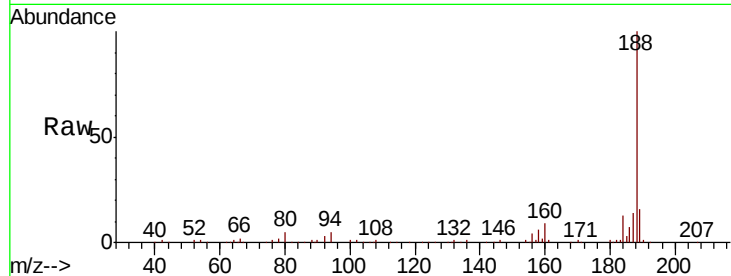
Tot Ion:188 Resp: 218229

Ion Ratio Lower Upper

188 100

94 4.9 4.5 6.7

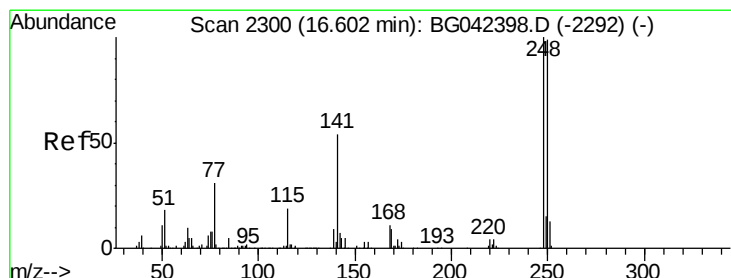
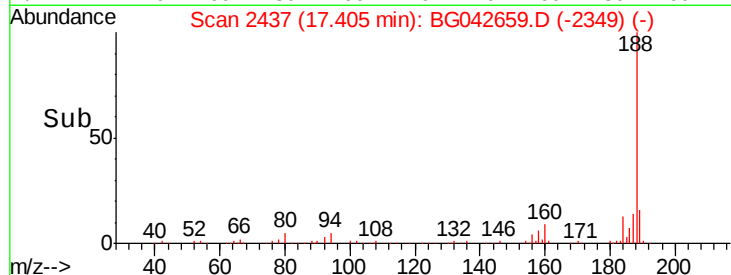
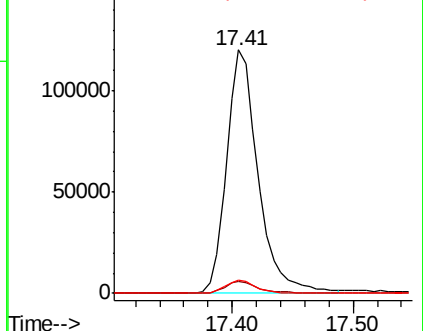
80 5.2 4.9 7.3



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: 4.576 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

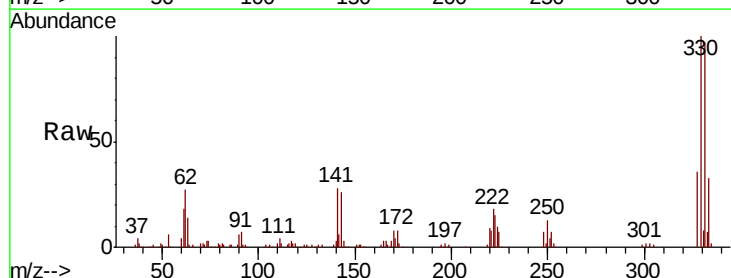
Tgt Ion:248 Resp: 12668

Ion Ratio Lower Upper

248 100

250 183.0 78.9 118.3#

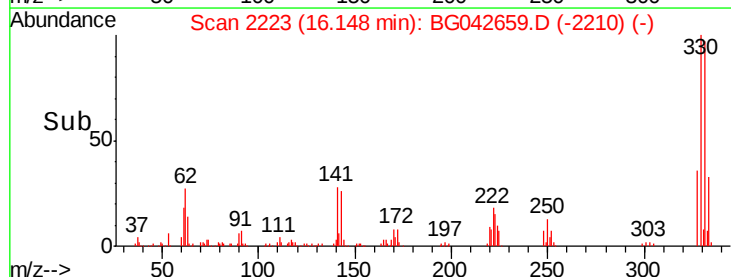
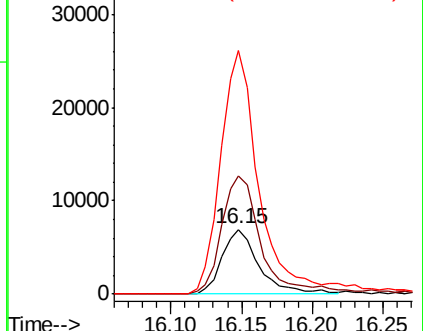
141 375.9 43.3 64.9#

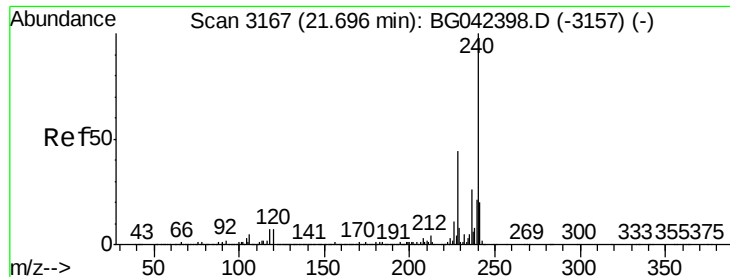


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

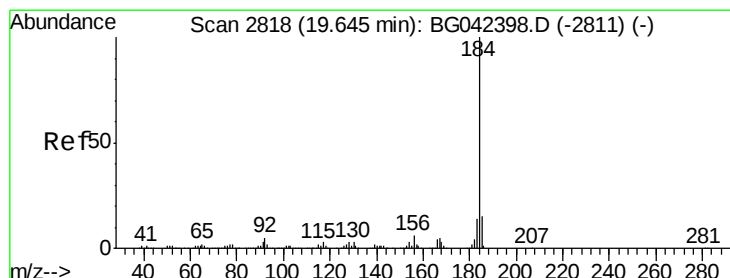
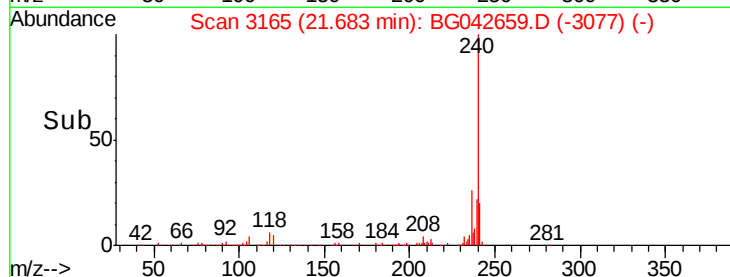
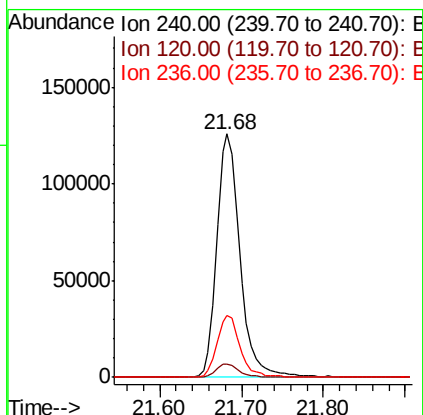
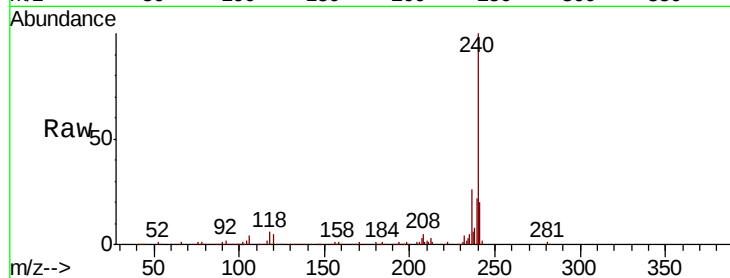




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042659.D
Acq: 1 Sep 2019 8:32

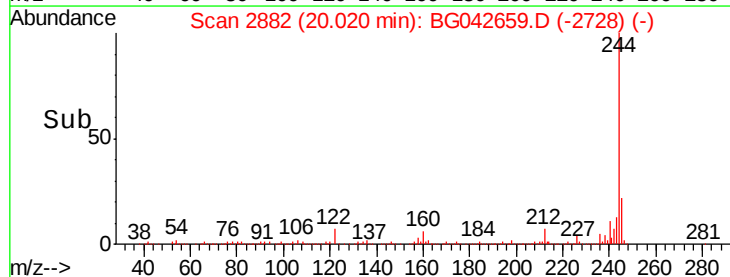
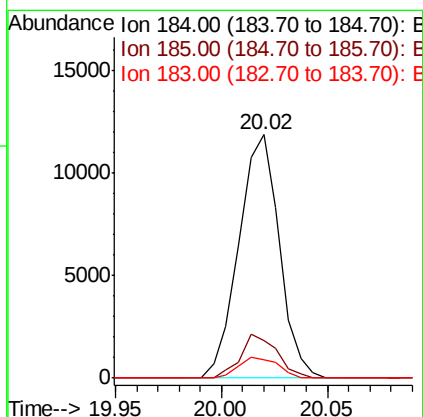
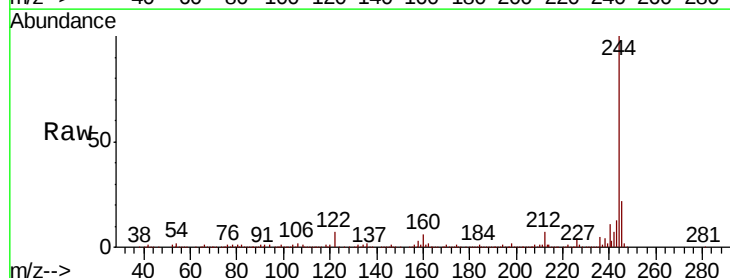
Instrument :
BNA_G
ClientSampleId :

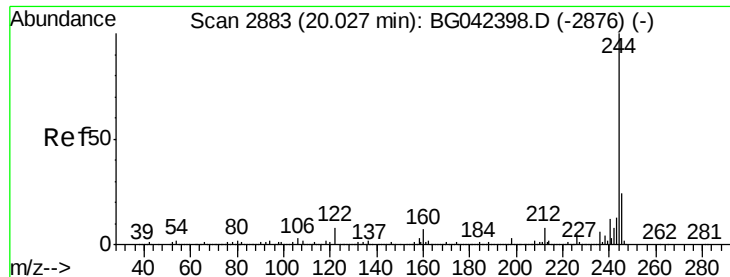
Tot Ion:240 Resp: 249200
Ion Ratio Lower Upper
240 100
120 5.5 5.7 8.5#
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.206 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.37 min
Lab File: BG042659.D
Acq: 1 Sep 2019 8:32

Tgt Ion:184 Resp: 15760
Ion Ratio Lower Upper
184 100
185 15.5 12.2 18.4
183 7.6 10.8 16.2#





#79

Terphenyl-d14

Concen: 106.634 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

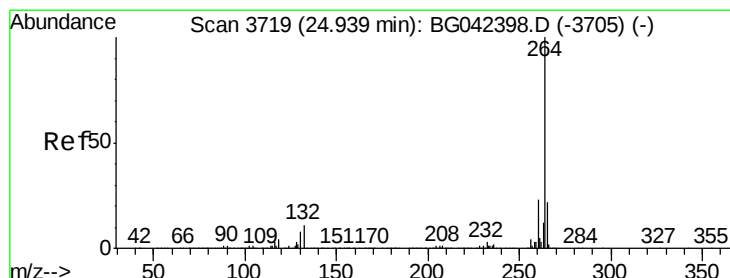
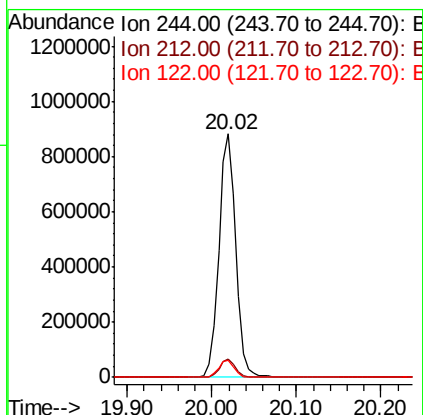
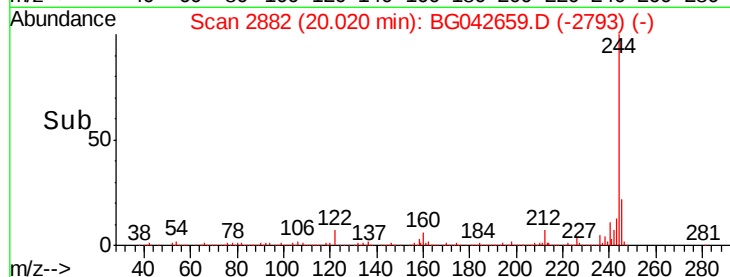
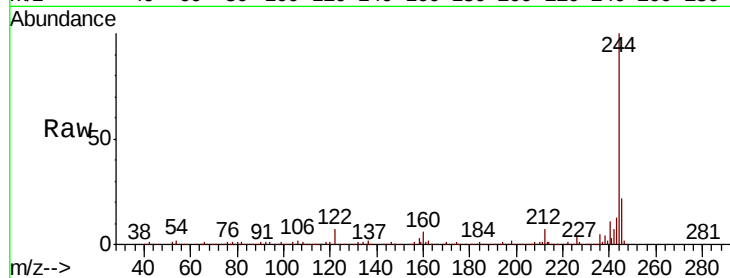
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1229150

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	6.8	6.7	10.1



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

Tgt Ion:264 Resp: 289941

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.7	17.6	26.4

