

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042467.D
 Acq On : 24 Aug 2019 14:42
 Operator : HP/JU
 Sample : K4493-29
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 05:01:38 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

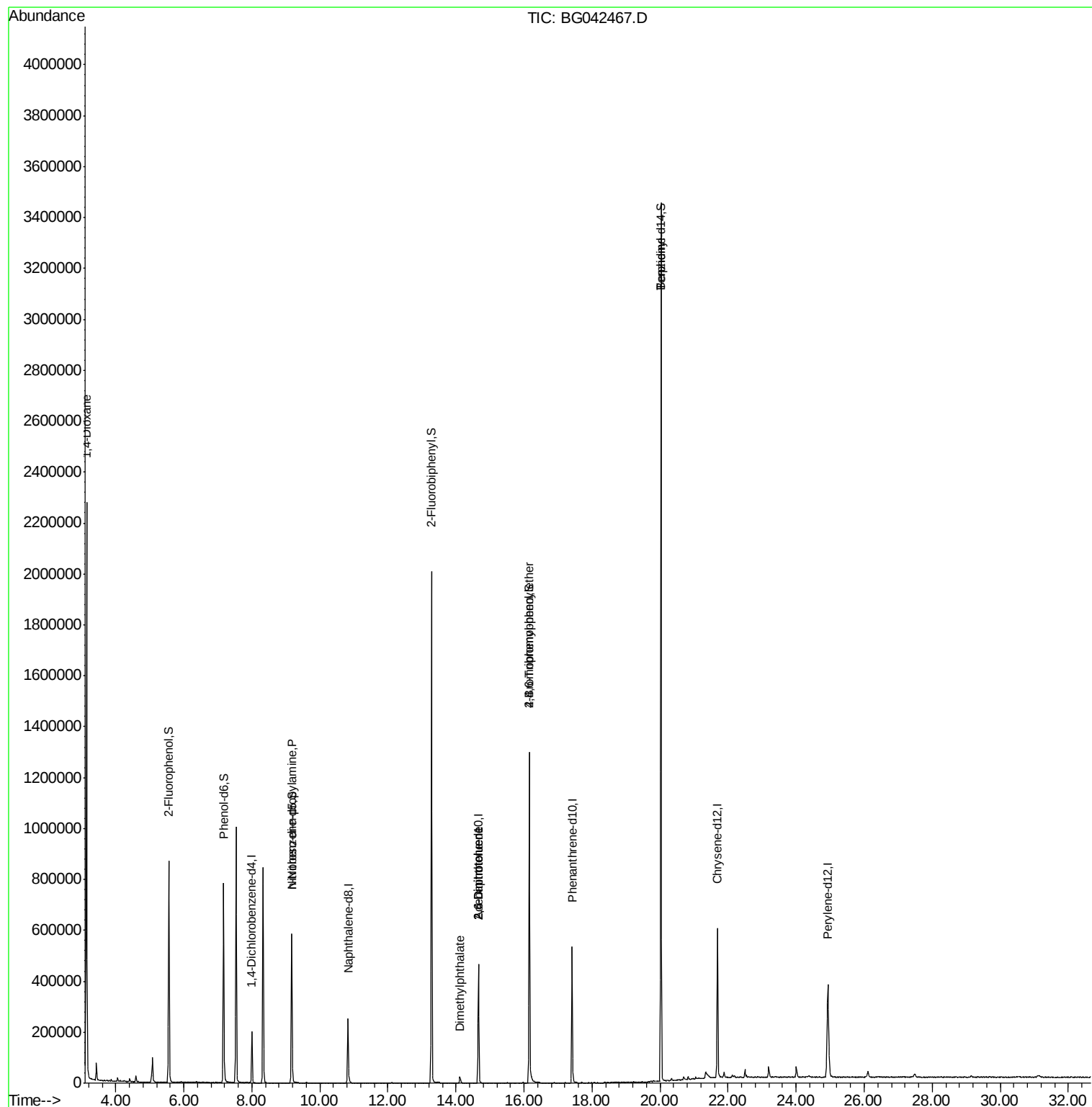
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	66390	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	266669	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	185152	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	388683	20.00	ng	0.00
76) Chrysene-d12	21.69	240	380634	20.00	ng	0.00
87) Perylene-d12	24.93	264	438838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	435922	132.98	ng	0.00
7) Phenol-d6	7.17	99	545421	123.18	ng	0.00
23) Nitrobenzene-d5	9.17	82	396457	102.74	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	327670	124.51	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1116112	101.95	ng	0.00
79) Terphenyl-d14	20.02	244	1724087	97.92	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	23605	17.255	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	50108	17.468	ng	# 74
50) Dimethylphthalate	14.11	163	31765	2.378	ng	# 99
51) 2,6-Dinitrotoluene	14.66	165	23954	7.736	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	23954	5.402	ng	# 40
67) 4-Bromophenyl-phenylether	16.15	248	23115	4.688	ng	# 1
77) Benzidine	20.02	184	24558	2.250	ng	# 95

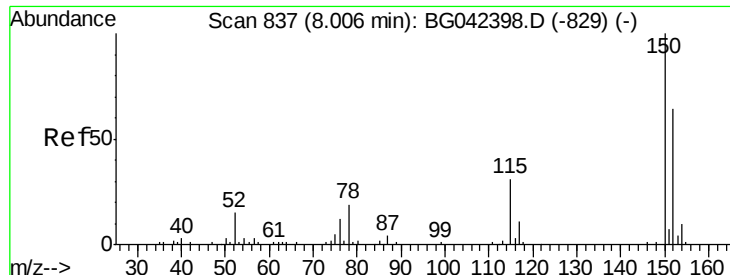
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
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QLast Update : Thu Aug 22 14:29:15 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

Instrument :

BNA_G

ClientSampled :

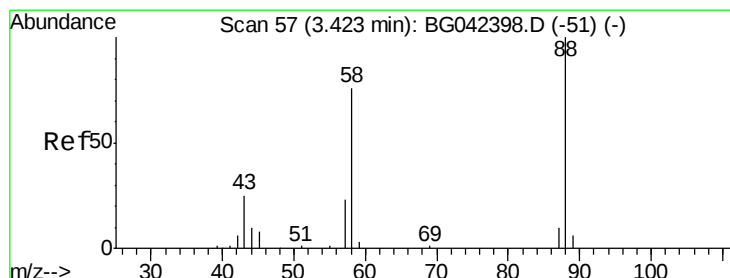
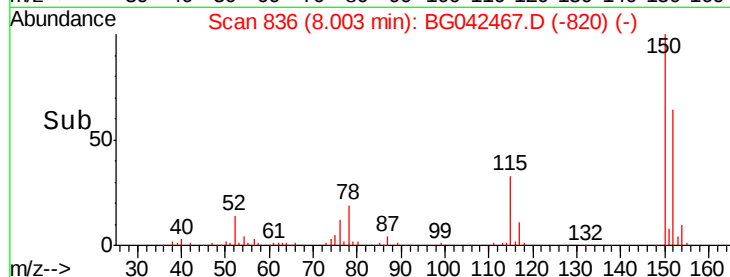
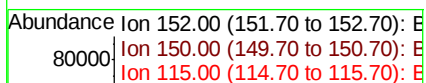
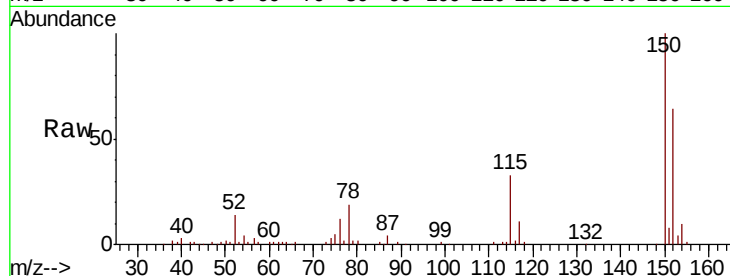
Tot Ion:152 Resp: 66390

Ion Ratio Lower Upper

152 100

150 156.3 125.4 188.0

115 51.0 38.5 57.7



#2

1,4-Dioxane

Concen: 17.255 ng

RT: 3.14 min Scan# 8

Delta R.T. -0.29 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

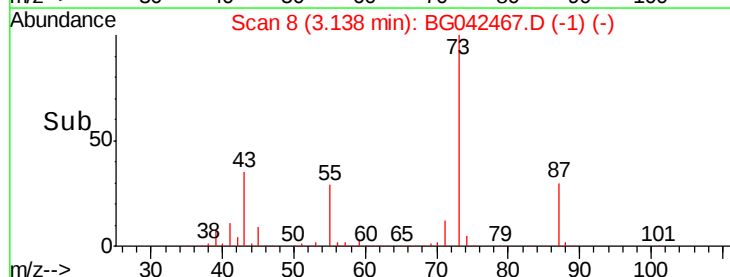
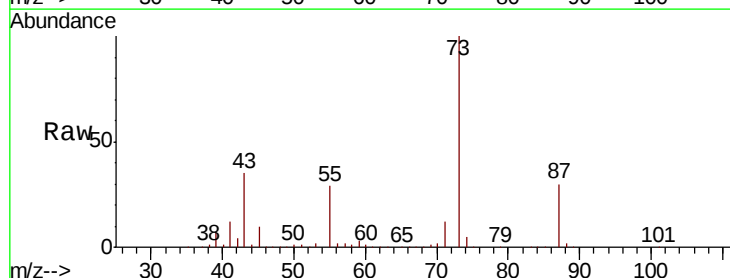
Tgt Ion: 88 Resp: 23605

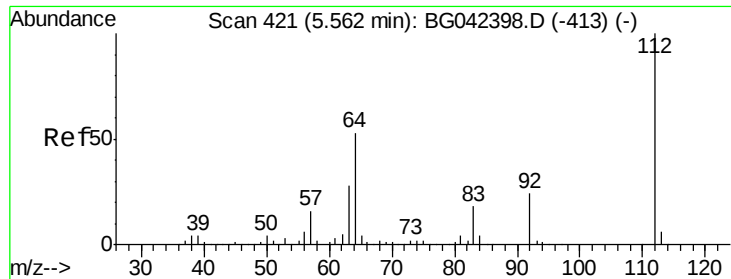
Ion Ratio Lower Upper

88 100

58 28.3 58.3 87.5#

43 2082.2 20.2 30.2#





#5

2-Fluorophenol

Concen: 132.982 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

Instrument :

BNA_G

ClientSampleId :

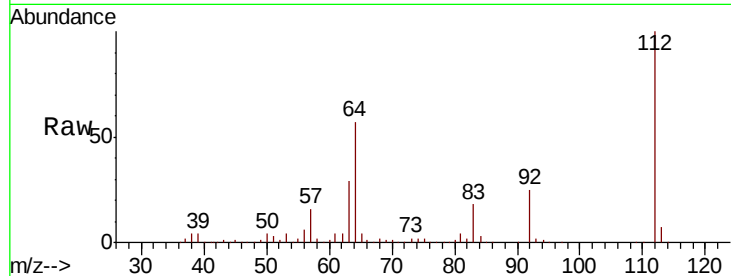
Tot Ion:112 Resp: 435922

Ion Ratio Lower Upper

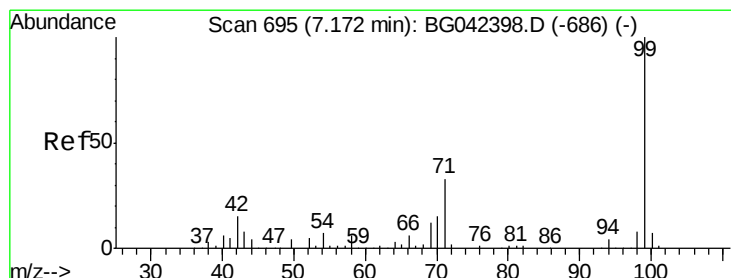
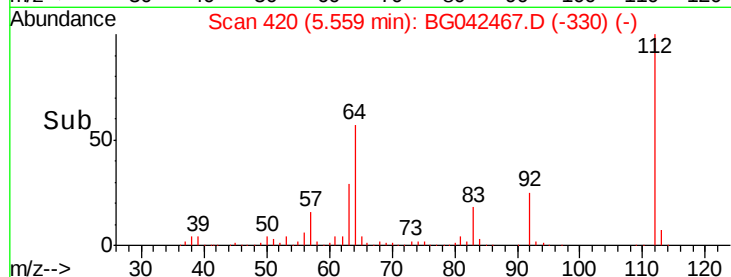
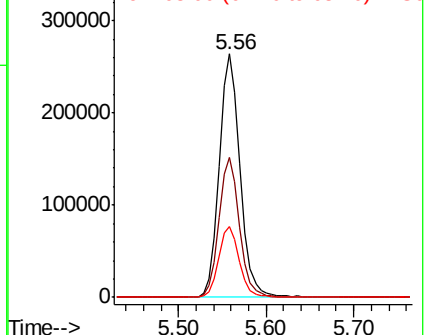
112 100

64 57.3 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: 123.178 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

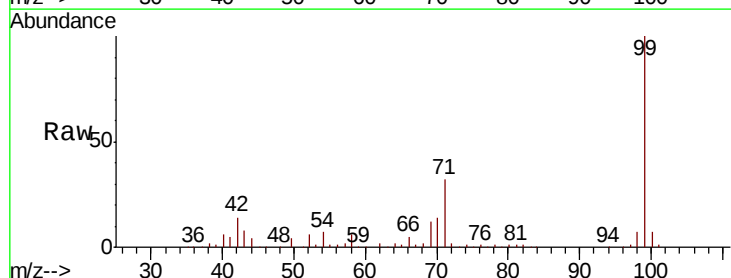
Tgt Ion: 99 Resp: 545421

Ion Ratio Lower Upper

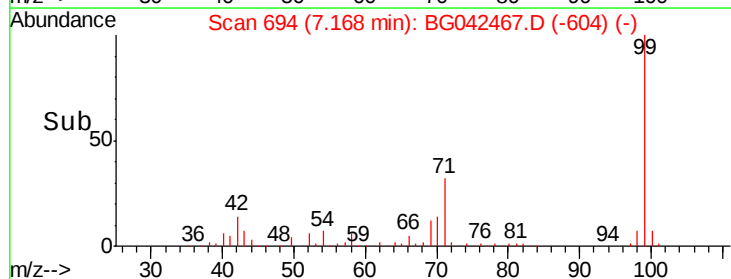
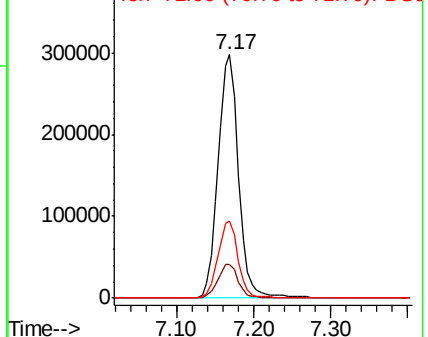
99 100

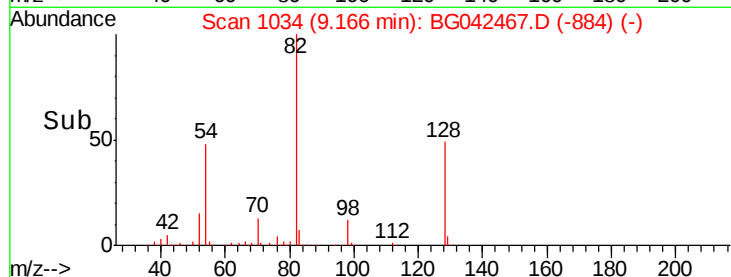
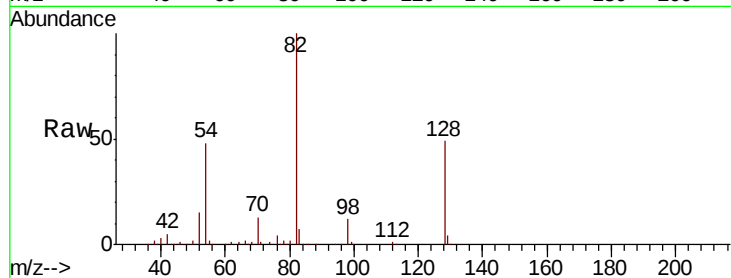
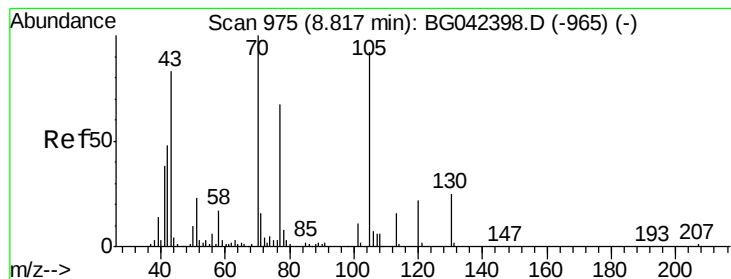
42 14.0 12.0 18.0

71 31.6 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: 17.468 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 50108

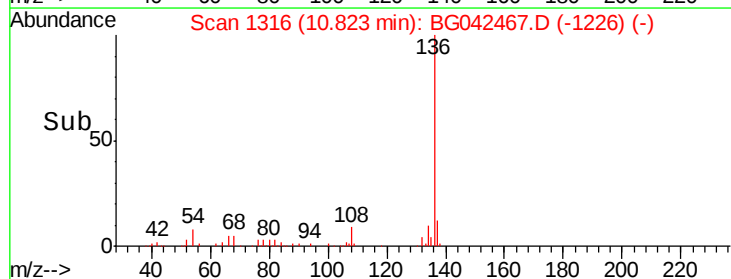
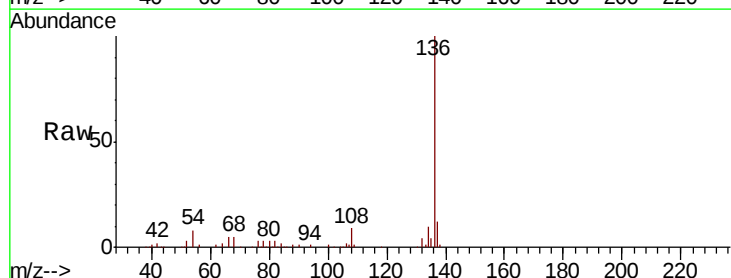
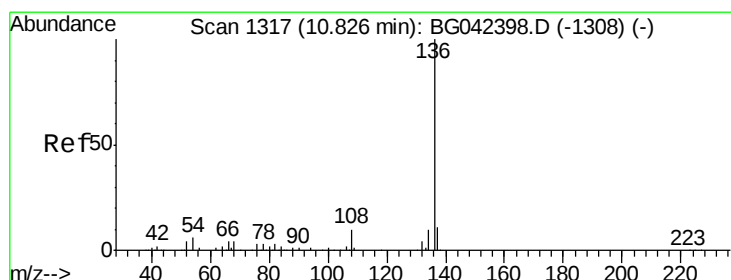
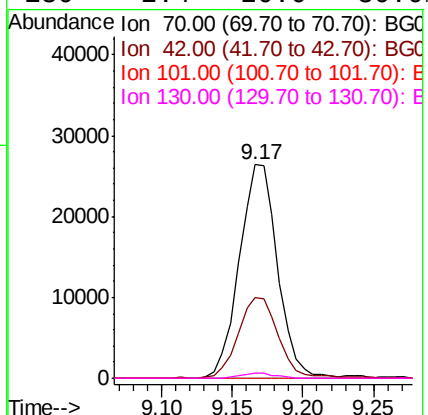
Ion Ratio Lower Upper

70 100

42 38.0 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. -0.00 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

Tgt Ion:136 Resp: 266669

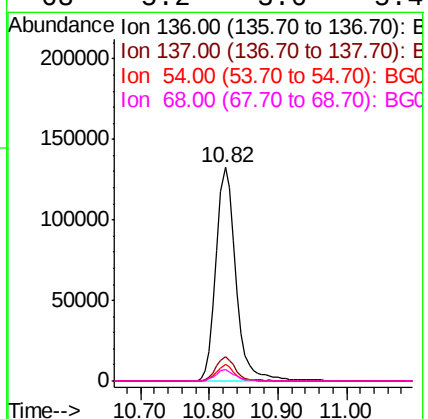
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 7.7 4.9 7.3#

68 5.2 3.6 5.4

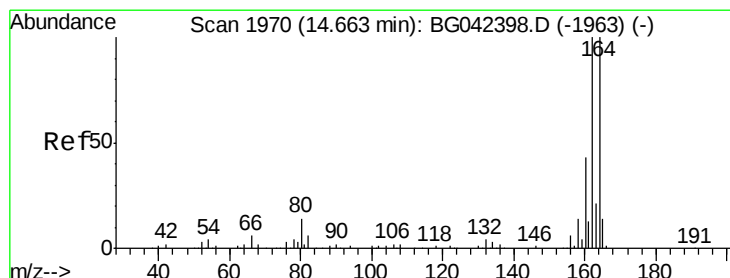
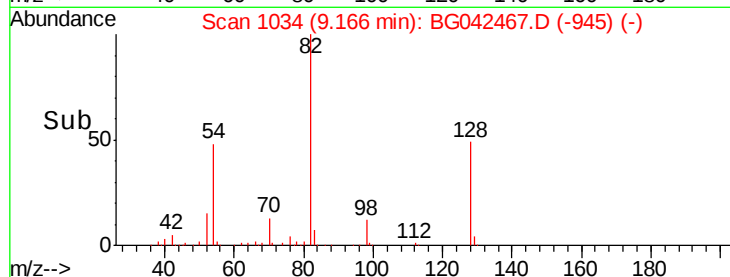
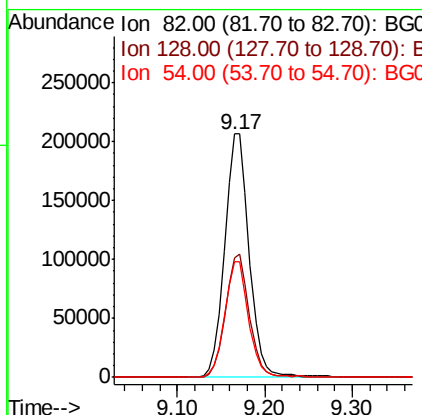
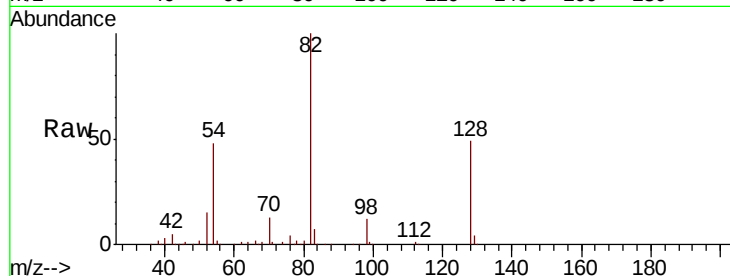




#23
Nitrobenzene-d5
Concen: 102.737 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042467.D
Acq: 24 Aug 2019 14:42

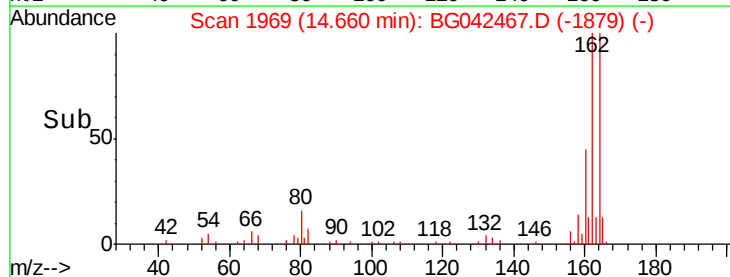
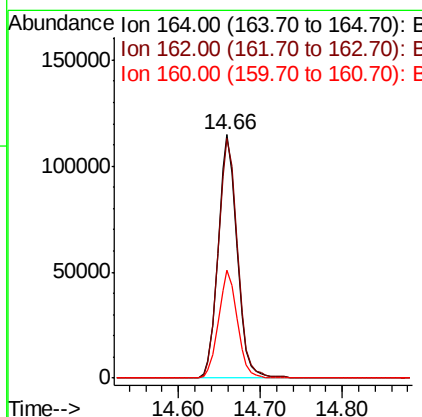
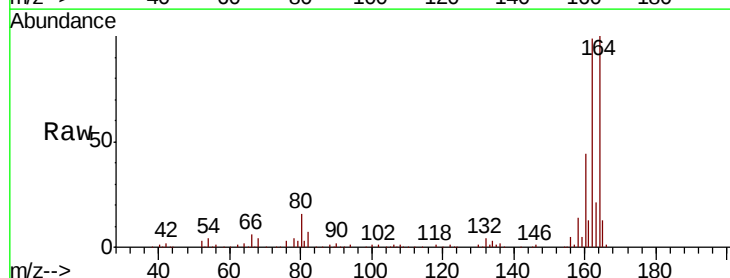
Instrument :
BNA_G
ClientSampled :

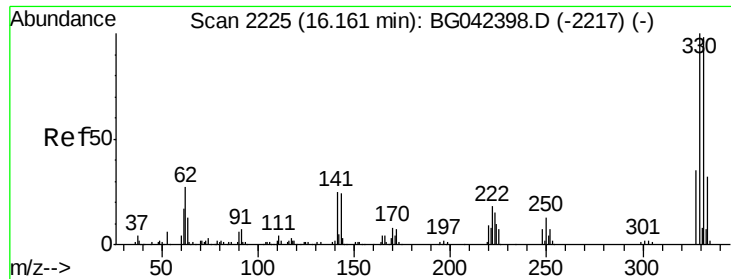
Tot Ion	82	Resp	396457
Ion Ratio	Lower	Upper	
82	100		
128	49.0	40.7	61.1
54	47.7	36.3	54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042467.D
Acq: 24 Aug 2019 14:42

Tgt Ion	164	Resp	185152
Ion Ratio	Lower	Upper	
164	100		
162	98.7	79.9	119.9
160	44.3	34.3	51.5

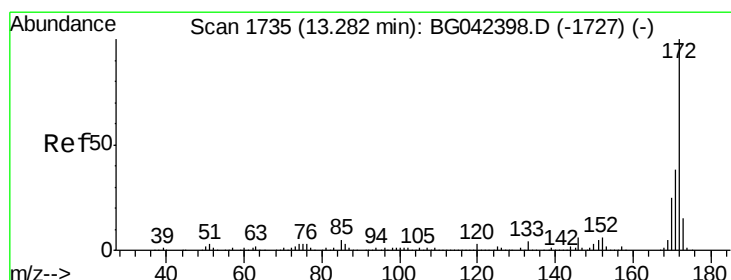
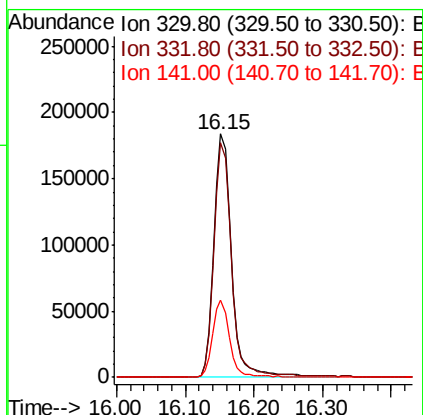
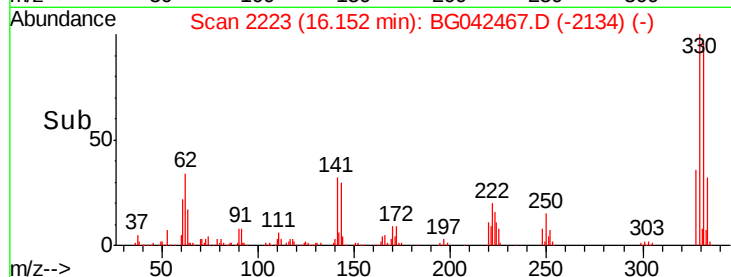
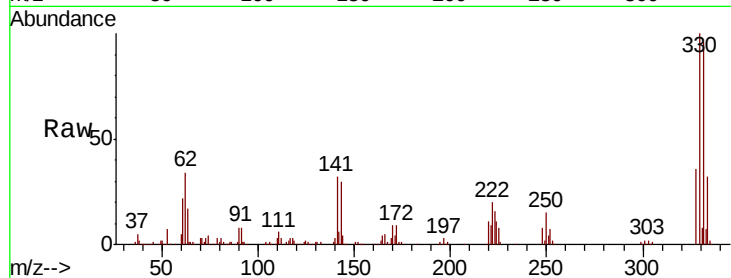




#42
 2,4,6-Tribromophenol
 Concen: 124.512 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042467.D
 Acq: 24 Aug 2019 14:42

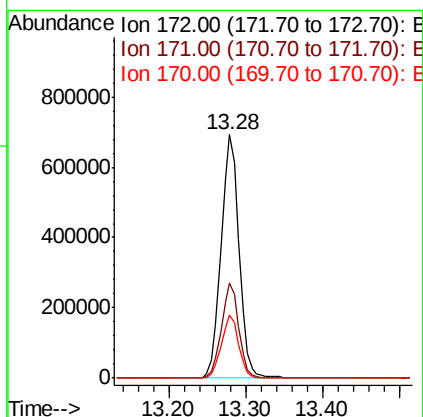
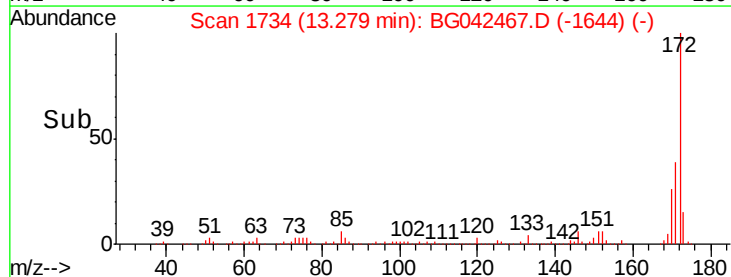
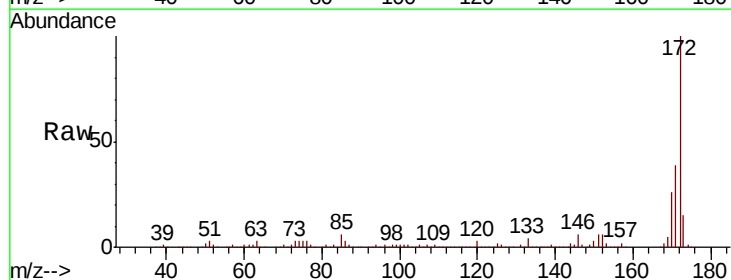
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 327670
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.0
 141 30.6 21.4 32.0



#45
 2-Fluorobiphenyl
 Concen: 101.952 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042467.D
 Acq: 24 Aug 2019 14:42

Tgt Ion:172 Resp: 1116112
 Ion Ratio Lower Upper
 172 100
 171 39.1 30.5 45.7
 170 26.0 20.2 30.2





#50

Dimethylphthalate

Concen: 2.378 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

Instrument :

BNA_G

ClientSampleId :

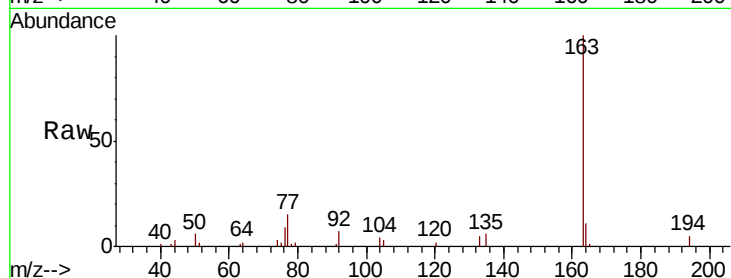
Tot Ion:163 Resp: 31765

Ion Ratio Lower Upper

163 100

194 4.8 4.2 6.2

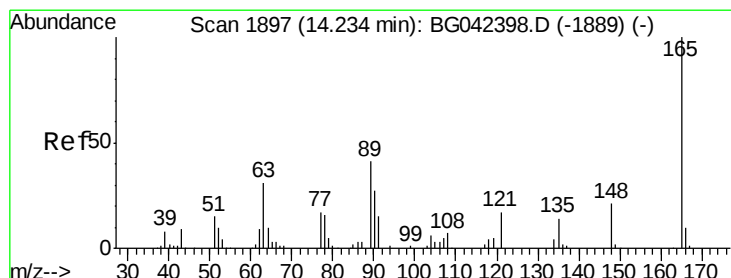
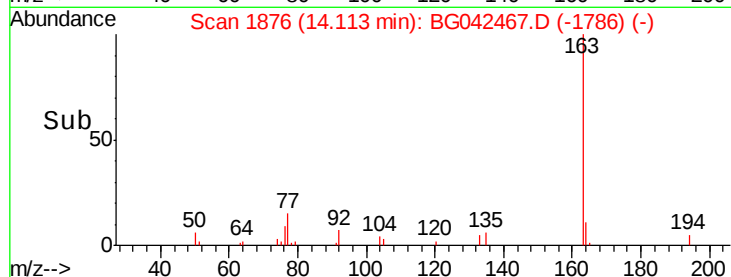
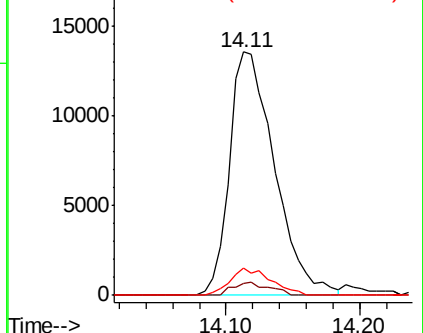
164 11.2 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.736 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

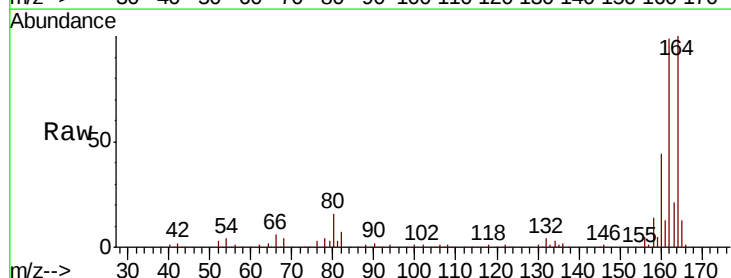
Tgt Ion:165 Resp: 23954

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

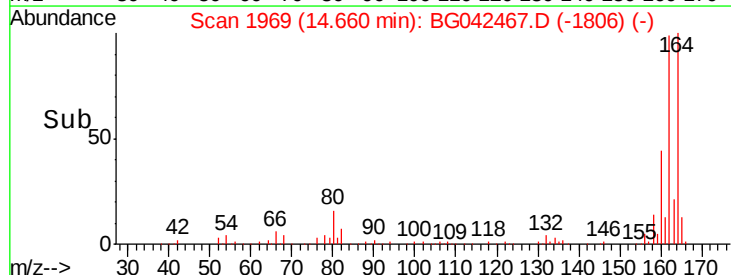
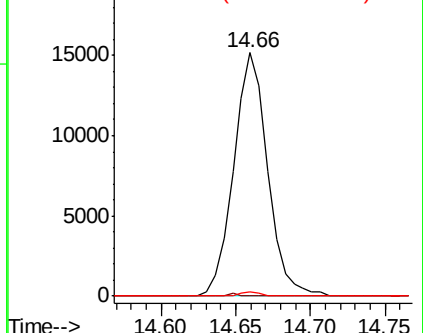
89 1.6 32.6 49.0#

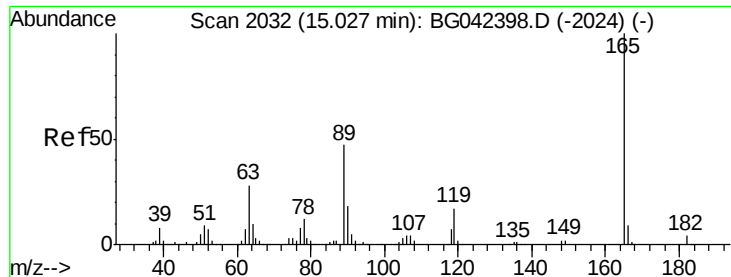


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#57

2,4-Dinitrotoluene

Concen: 5.402 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 23954

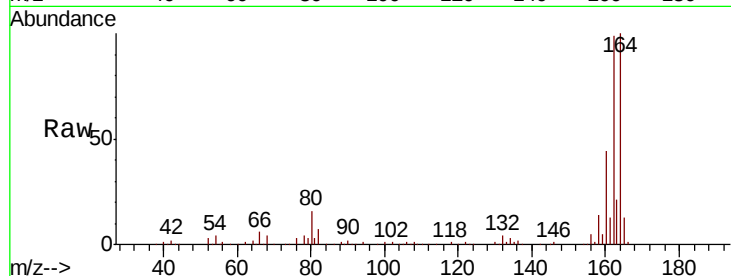
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 1.6 37.8 56.6#

182 0.0 3.0 4.4#

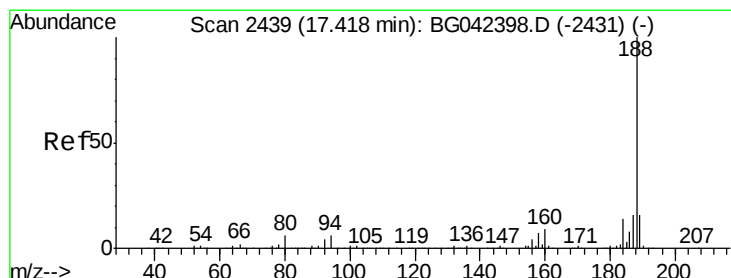
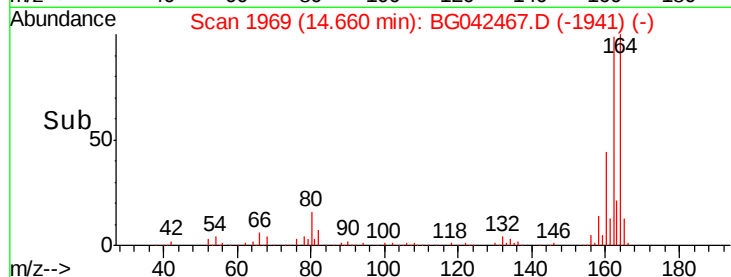
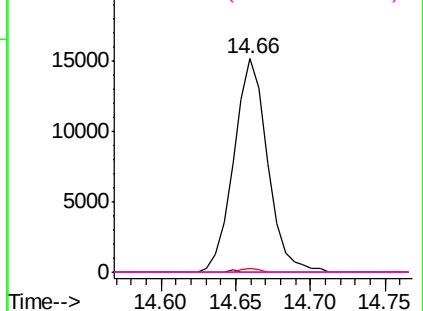


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042467.D

Acq: 24 Aug 2019 14:42

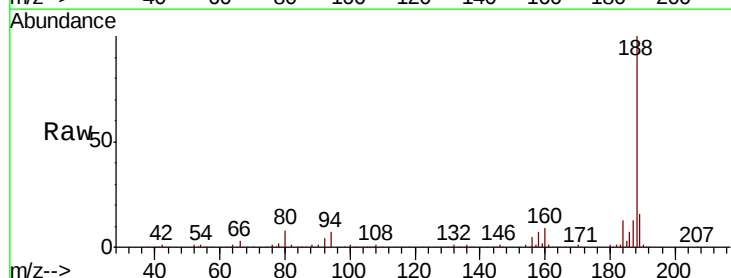
Tgt Ion:188 Resp: 388683

Ion Ratio Lower Upper

188 100

94 6.8 4.5 6.7#

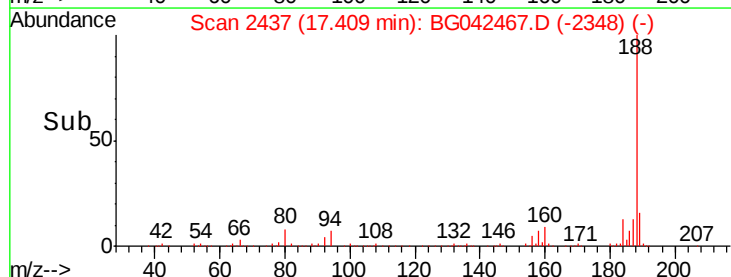
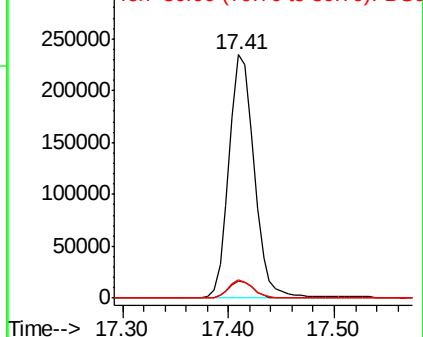
80 7.7 4.9 7.3#

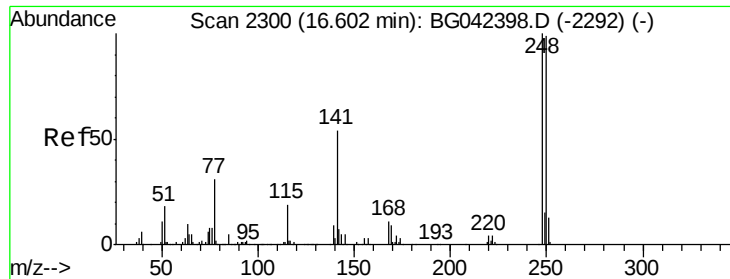


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

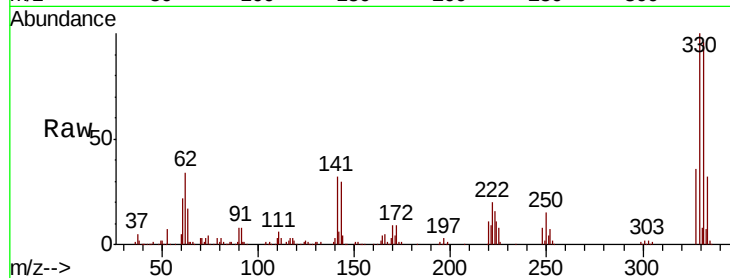




#67
 4-Bromophenyl-phenylether
 Concen: 4.688 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042467.D
 Acq: 24 Aug 2019 14:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.7	78.9	118.3#
141	414.2	43.3	64.9#

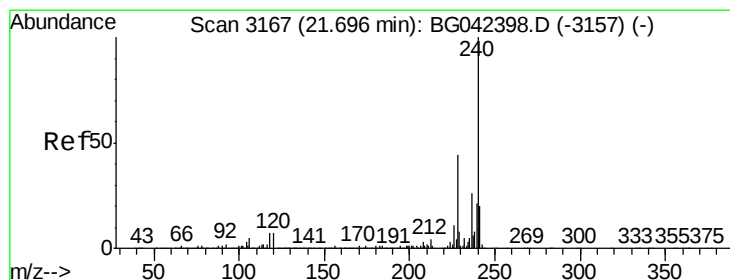
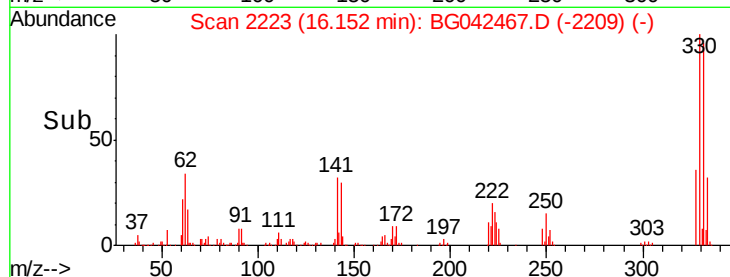
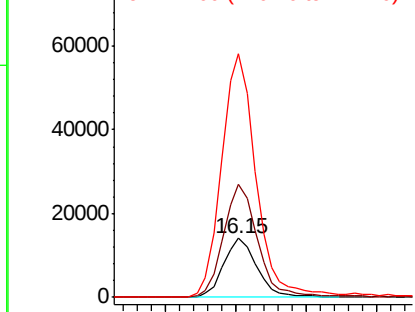


Abundance

Ion 248.00 (247.70 to 248.70): E

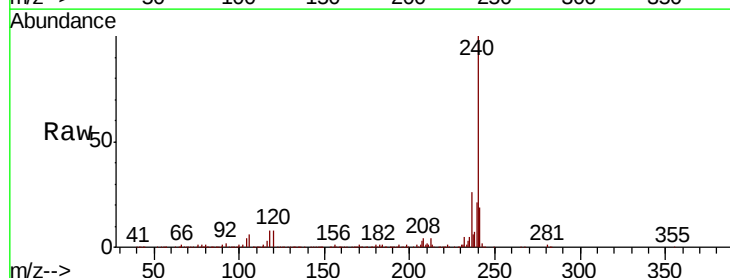
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042467.D
 Acq: 24 Aug 2019 14:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	5.7	8.5
236	26.3	21.0	31.4

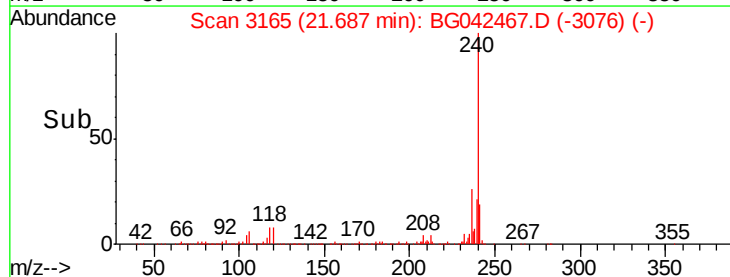
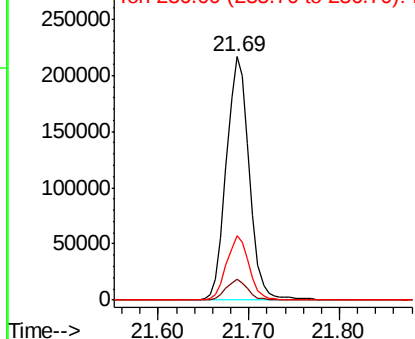


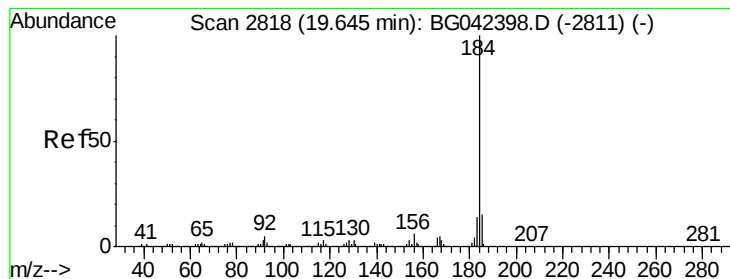
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.250 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

Instrument :

BNA_G

ClientSampled :

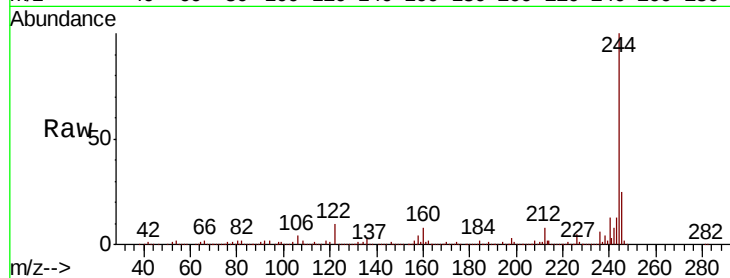
Tot Ion:184 Resp: 24558

Ion Ratio Lower Upper

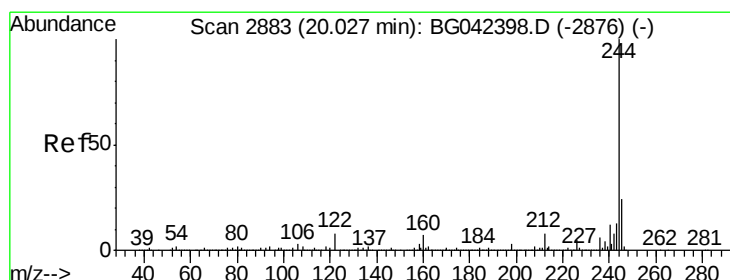
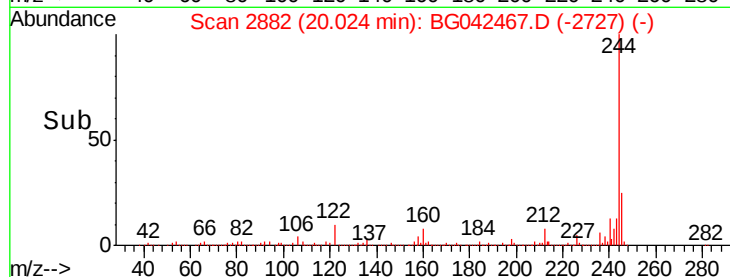
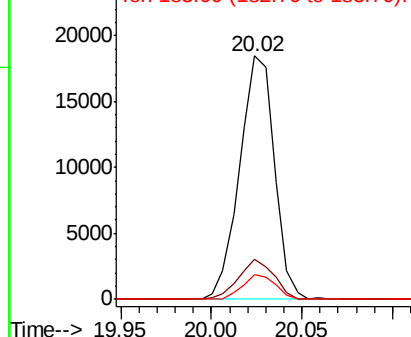
184 100

185 16.3 12.2 18.4

183 10.1 10.8 16.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 97.924 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042467.D

Acq: 24 Aug 2019 14:42

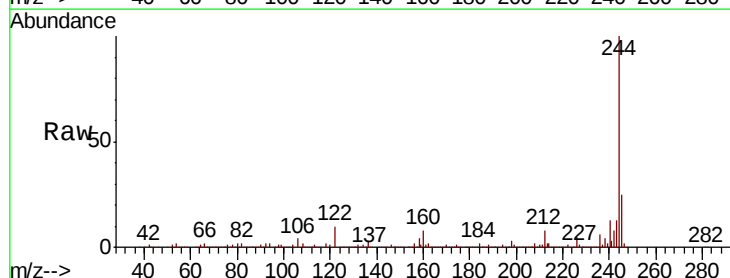
Tgt Ion:244 Resp: 1724087

Ion Ratio Lower Upper

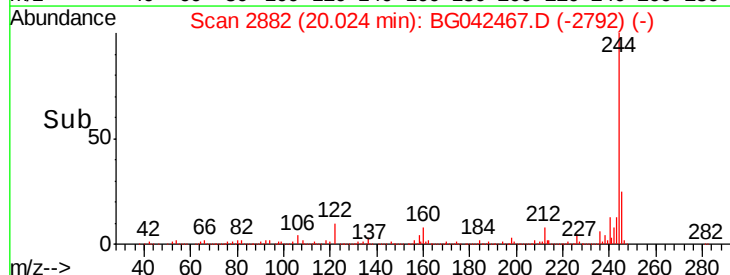
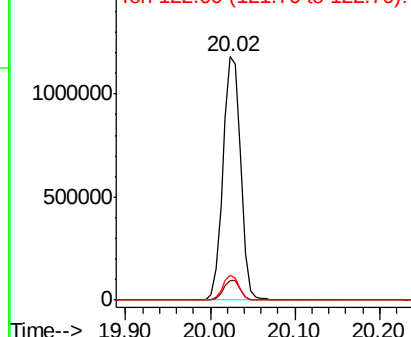
244 100

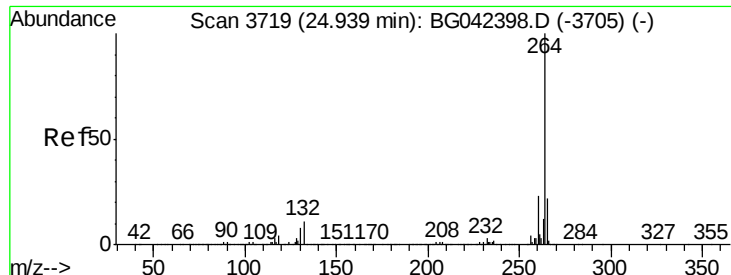
212 8.3 6.0 9.0

122 10.2 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

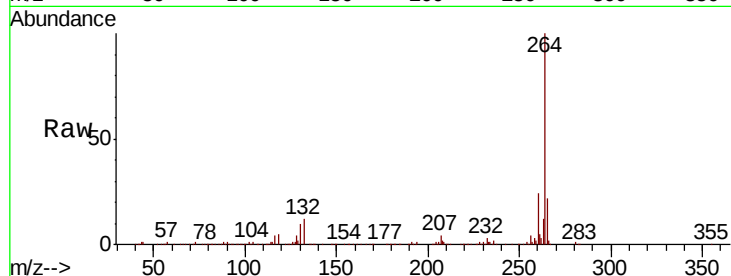




#87
 Pervlone-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042467.D
 Acq: 24 Aug 2019 14:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	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

