

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042460.D
 Acq On : 24 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4475-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 04:59:49 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

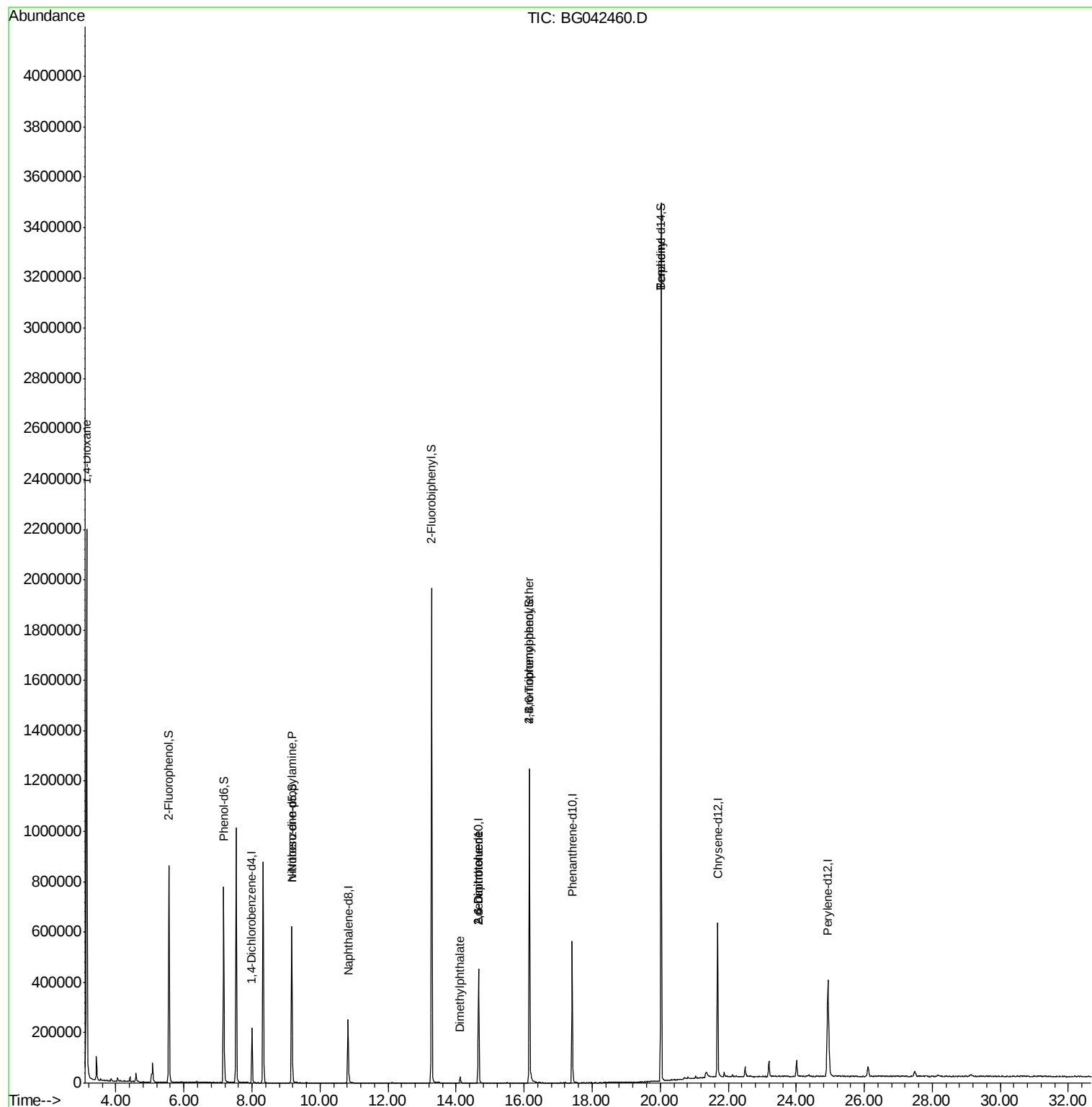
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	69511	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	273232	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	183749	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	387425	20.00	ng	0.00
76) Chrysene-d12	21.69	240	392064	20.00	ng	0.00
87) Perylene-d12	24.93	264	450826	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	442266	128.86	ng	0.00
7) Phenol-d6	7.17	99	536337	115.69	ng	0.00
23) Nitrobenzene-d5	9.17	82	408993	103.44	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	308876	118.27	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1118169	102.92	ng	0.00
79) Terphenyl-d14	20.03	244	1722552	94.98	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	25534	17.827	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	51769	17.236	ng	# 74
50) Dimethylphthalate	14.12	163	28899	2.180	ng	# 99
51) 2,6-Dinitrotoluene	14.66	165	23490	7.644	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	23490	5.338	ng	# 39
67) 4-Bromophenyl-phenylether	16.15	248	22665	4.612	ng	# 1
77) Benzidine	20.03	184	24734	2.200	ng	# 96

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

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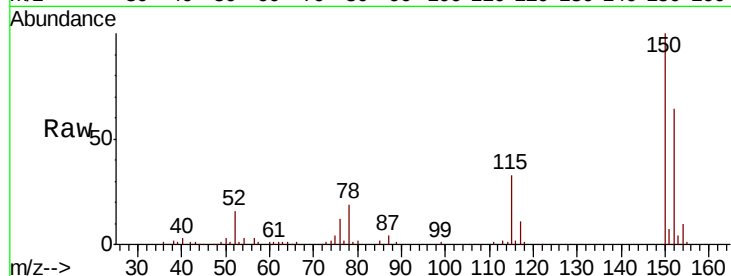


#1

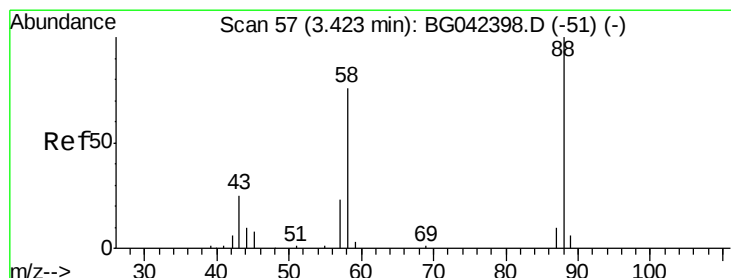
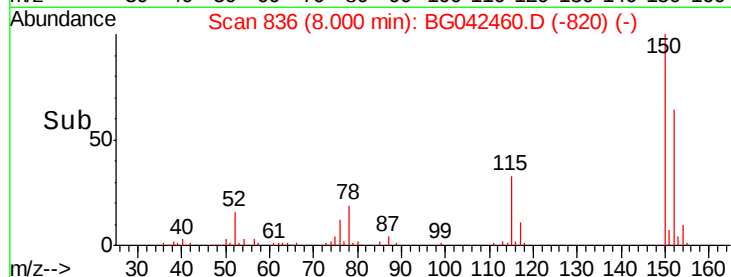
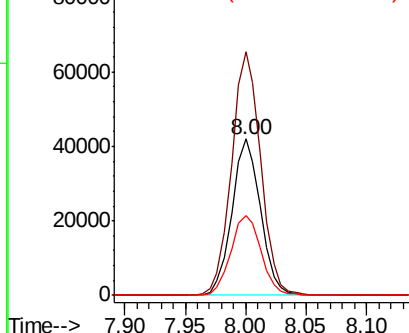
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042460.D
Acq: 24 Aug 2019 10:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 69511
Ion Ratio Lower Upper
152 100
150 155.6 125.4 188.0
115 51.0 38.5 57.7



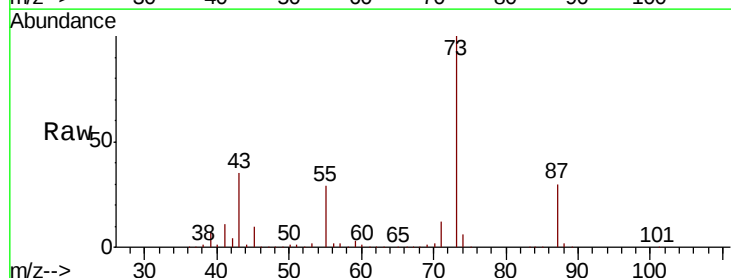
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



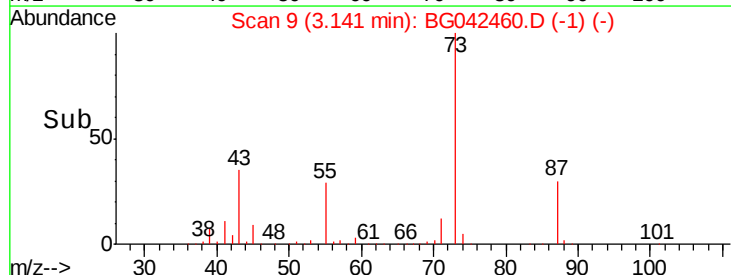
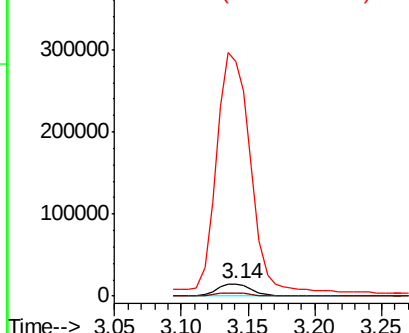
#2

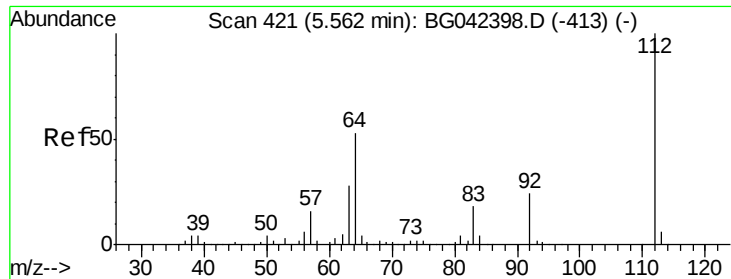
1,4-Dioxane
Concen: 17.827 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.28 min
Lab File: BG042460.D
Acq: 24 Aug 2019 10:14

Tgt Ion: 88 Resp: 25534
Ion Ratio Lower Upper
88 100
58 26.9 58.3 87.5#
43 2047.1 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: 128.860 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042460.D

Acq: 24 Aug 2019 10:14

Instrument :

BNA_G

ClientSampled :

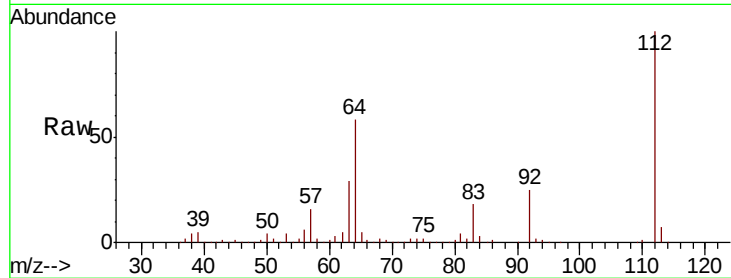
Tot Ion:112 Resp: 442266

Ion Ratio Lower Upper

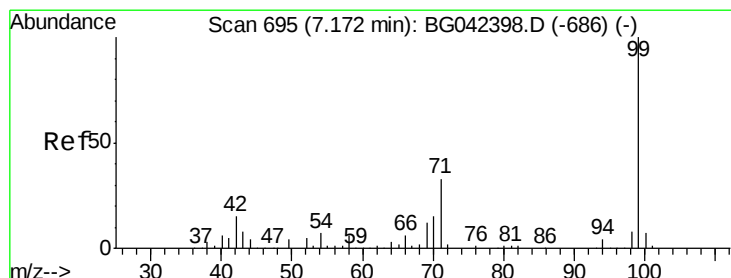
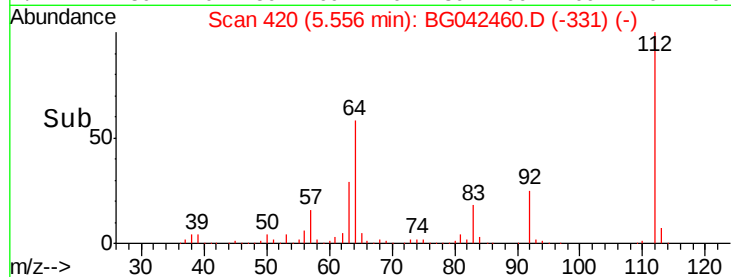
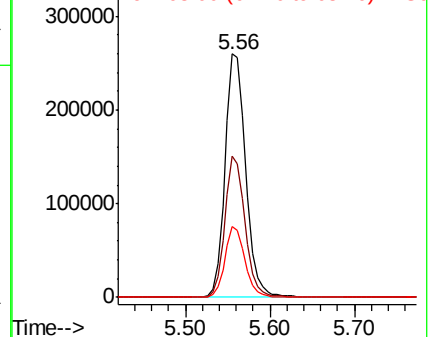
112 100

64 57.8 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: 115.688 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042460.D

Acq: 24 Aug 2019 10:14

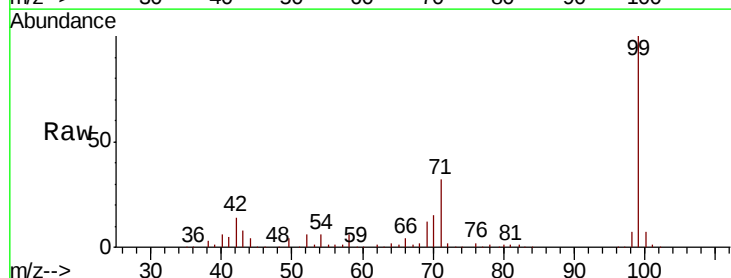
Tgt Ion: 99 Resp: 536337

Ion Ratio Lower Upper

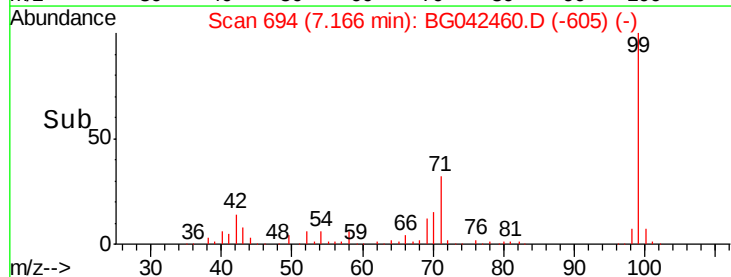
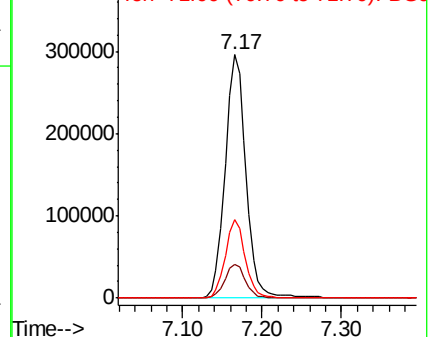
99 100

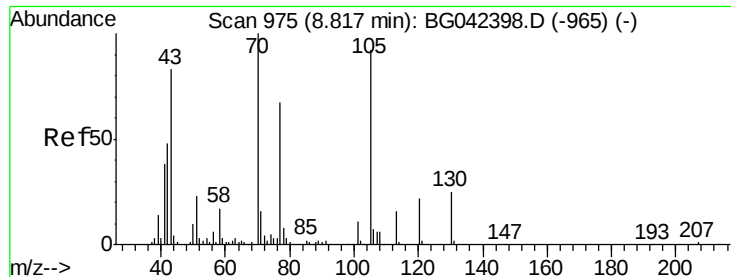
42 14.1 12.0 18.0

71 32.4 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: 17.236 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042460.D

Acq: 24 Aug 2019 10:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 51769

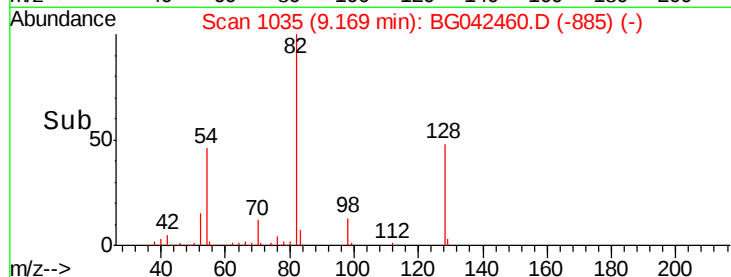
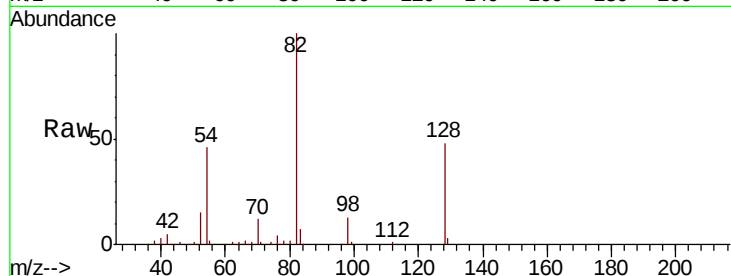
Ion Ratio Lower Upper

70 100

42 38.0 38.8 58.2#

101 0.0 9.0 13.6#

130 2.3 20.0 30.0#

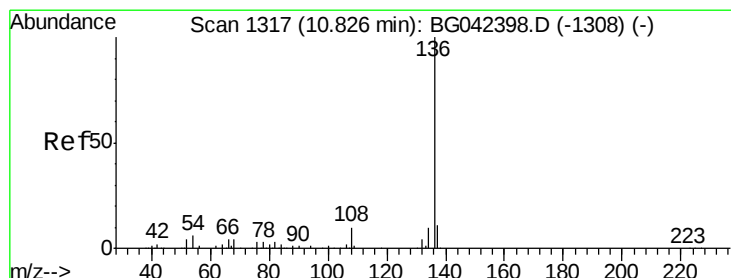
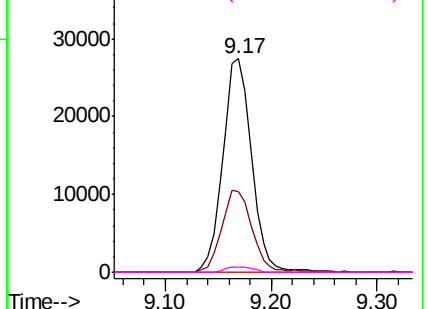


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG042460.D

Acq: 24 Aug 2019 10:14

Tgt Ion: 136 Resp: 273232

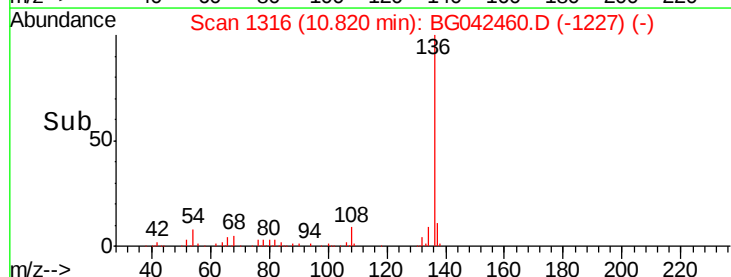
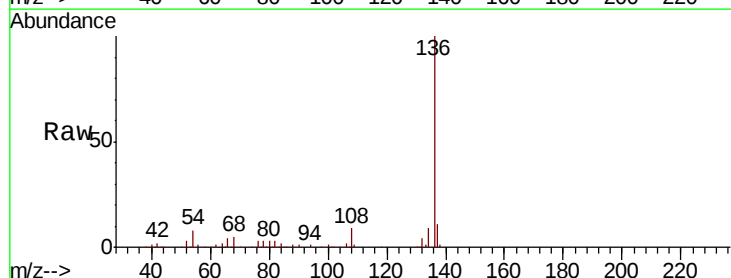
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 7.7 4.9 7.3#

68 5.3 3.6 5.4

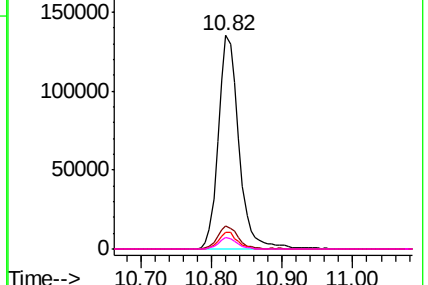


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

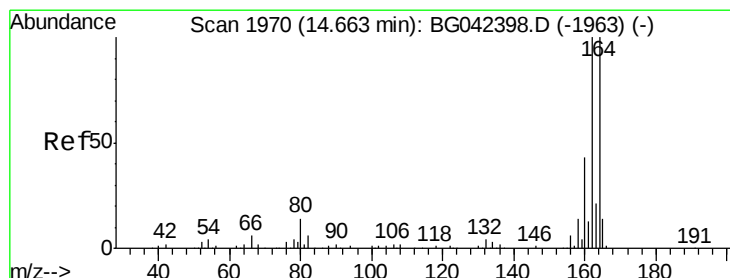
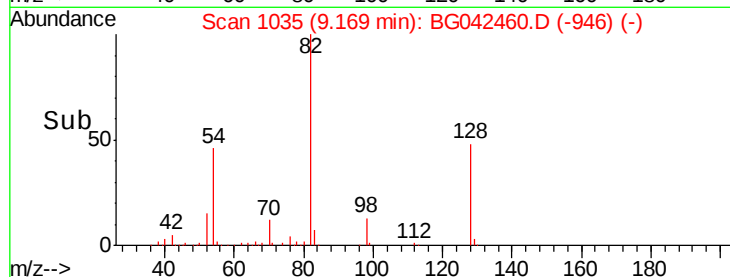
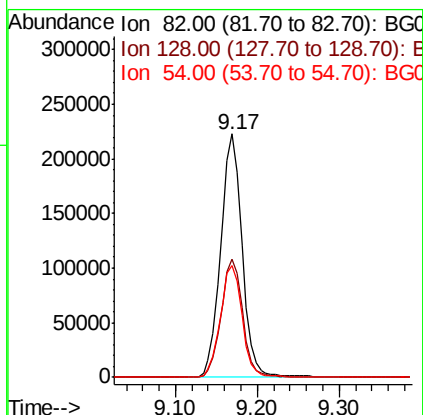
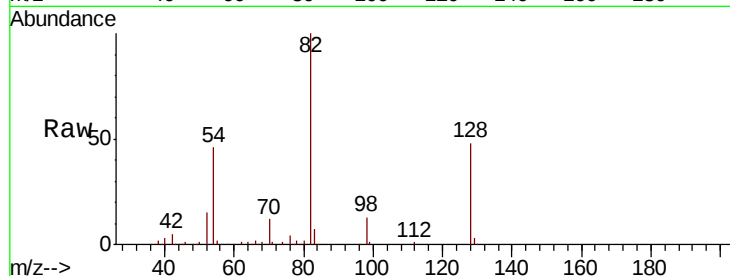




#23
Nitrobenzene-d5
Concen: 103.440 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042460.D
Acq: 24 Aug 2019 10:14

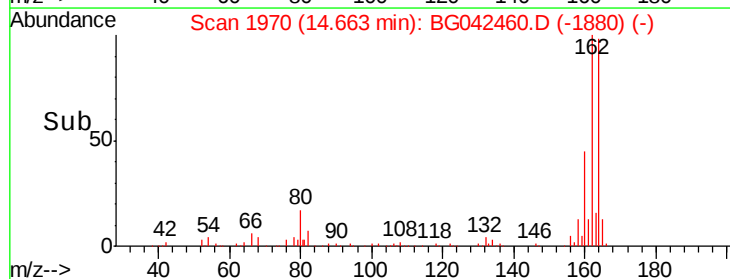
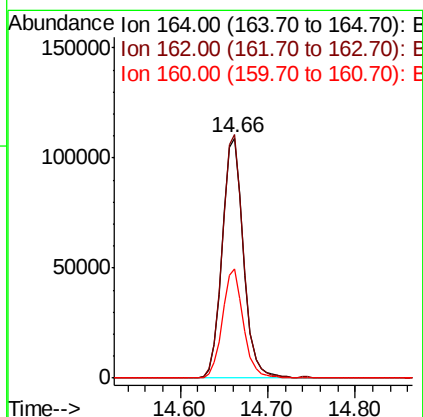
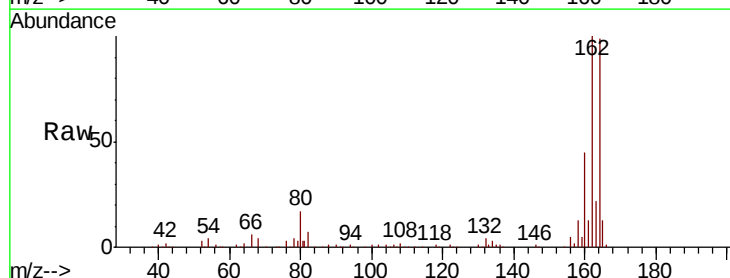
Instrument :
BNA_G
ClientSampled :

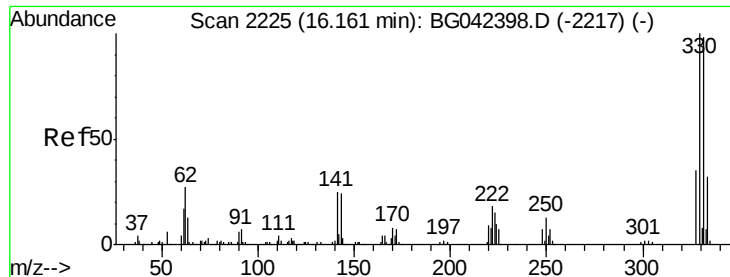
Tot Ion	82	Resp	408993
Ion Ratio	Lower	Upper	
82	100		
128	48.3	40.7	61.1
54	45.8	36.3	54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042460.D
Acq: 24 Aug 2019 10:14

Tgt Ion	164	Resp	183749
Ion Ratio	Lower	Upper	
164	100		
162	101.4	79.9	119.9
160	45.5	34.3	51.5





#42

2,4,6-Tribromophenol

Concen: 118.267 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042460.D

Acq: 24 Aug 2019 10:14

Instrument :

BNA_G

ClientSampleId :

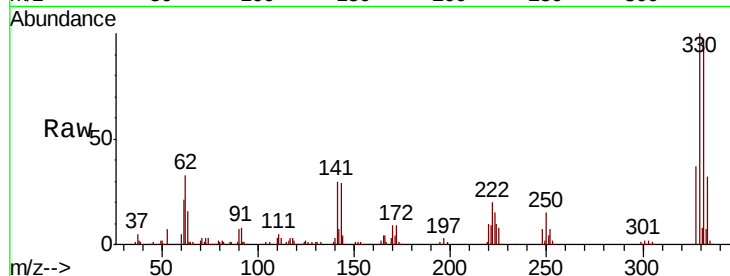
Tot Ion:330 Resp: 308876

Ion Ratio Lower Upper

330 100

332 98.2 77.4 116.0

141 31.5 21.4 32.0

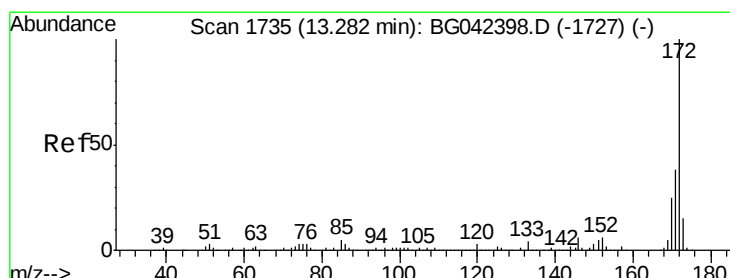
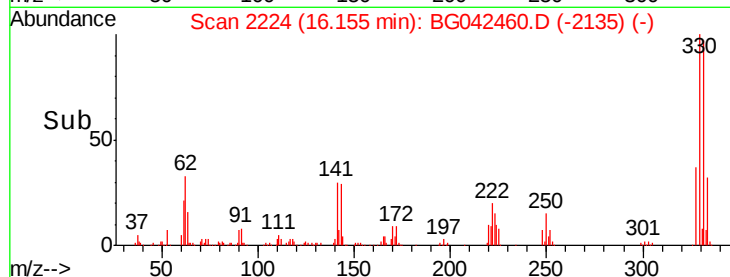
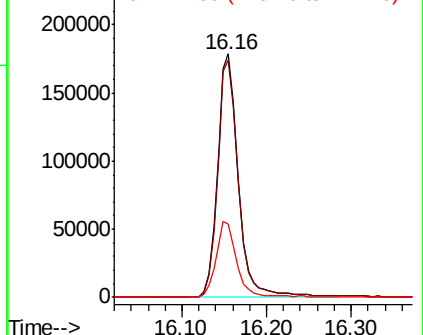


Abundance

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: 102.920 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042460.D

Acq: 24 Aug 2019 10:14

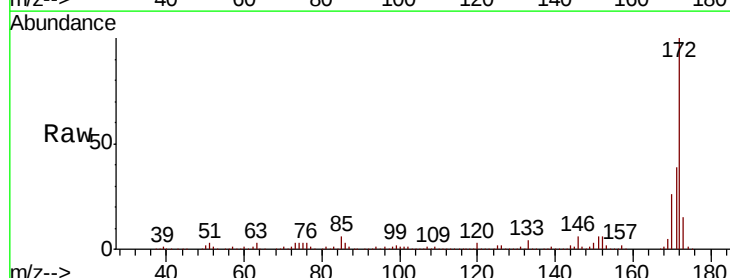
Tgt Ion:172 Resp: 1118169

Ion Ratio Lower Upper

172 100

171 38.9 30.5 45.7

170 25.9 20.2 30.2

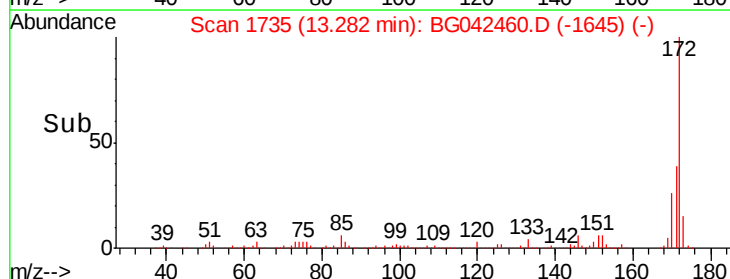
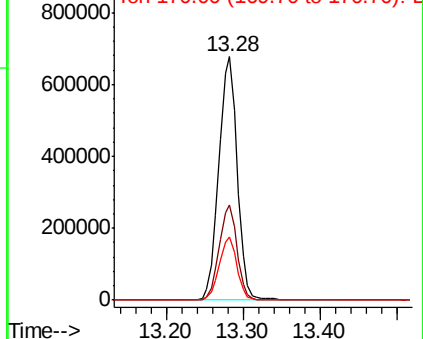


Abundance

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





#50

Dimethylphthalate

Concen: 2.180 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG042460.D

Acq: 24 Aug 2019 10:14

Instrument :

BNA_G

ClientSampleId :

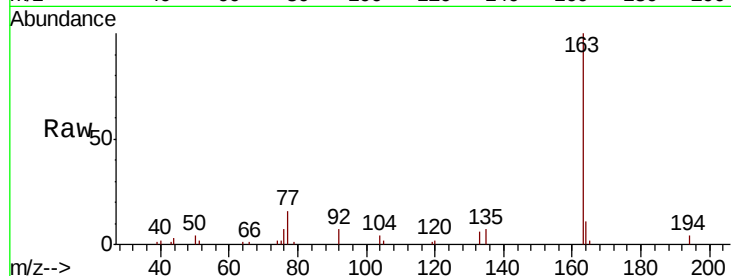
Tot Ion:163 Resp: 28899

Ion Ratio Lower Upper

163 100

194 4.4 4.2 6.2

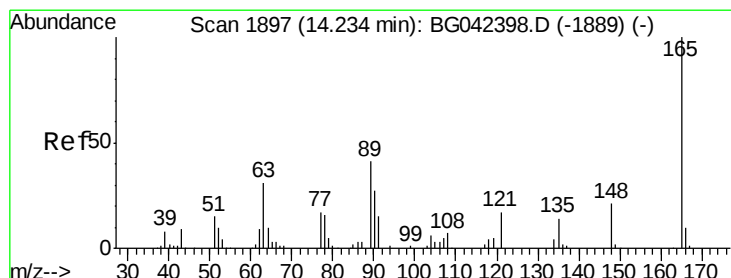
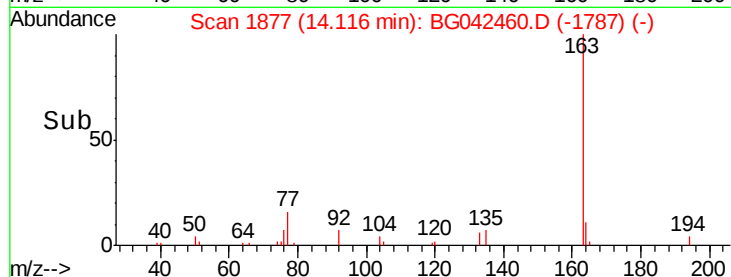
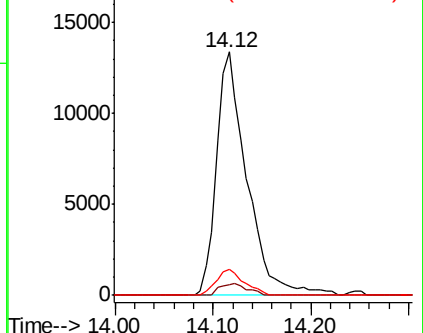
164 10.6 8.8 13.2



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: 7.644 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042460.D

Acq: 24 Aug 2019 10:14

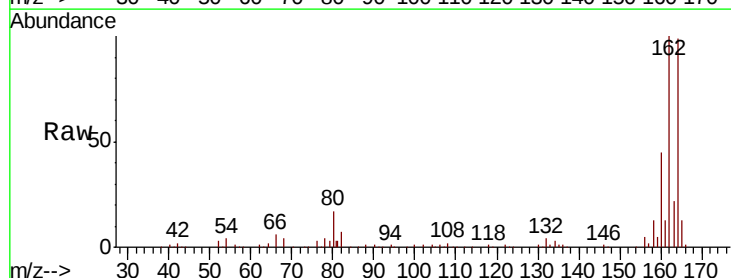
Tgt Ion:165 Resp: 23490

Ion Ratio Lower Upper

165 100

63 1.2 30.6 45.8#

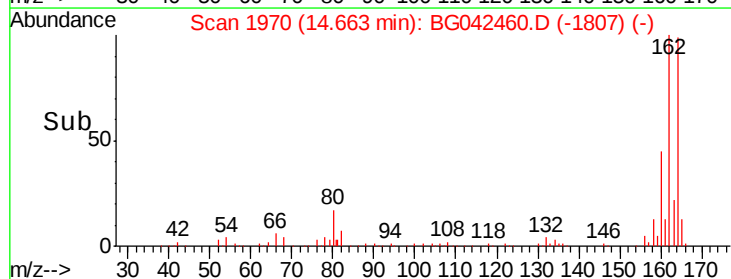
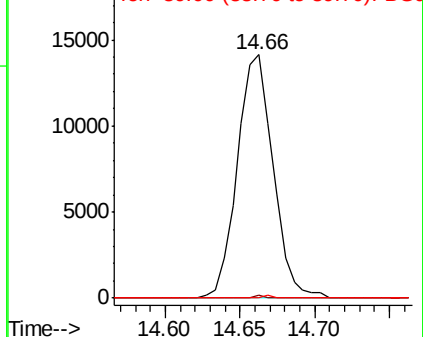
89 0.0 32.6 49.0#

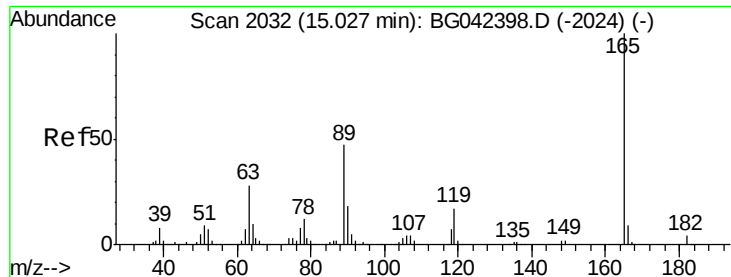


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

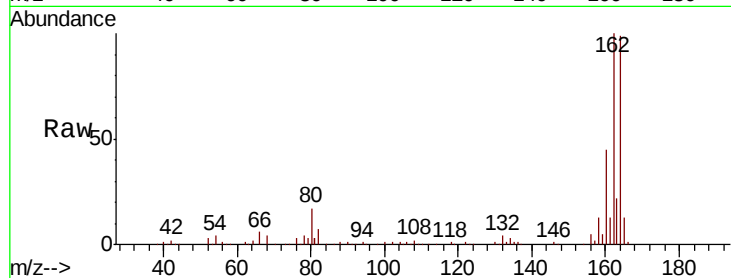




#57
 2,4-Dinitrotoluene
 Concen: 5.338 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042460.D
 Acq: 24 Aug 2019 10:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#



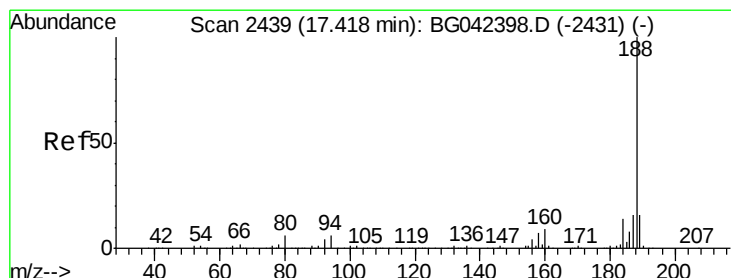
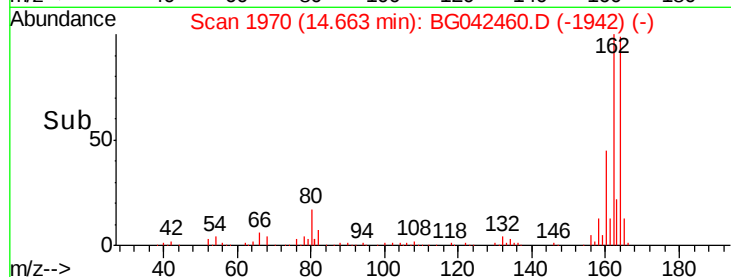
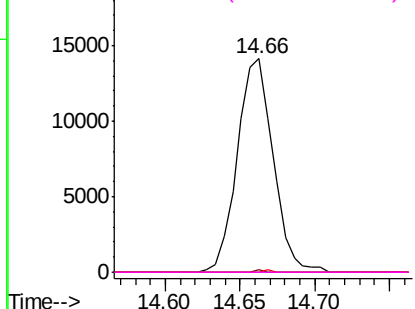
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

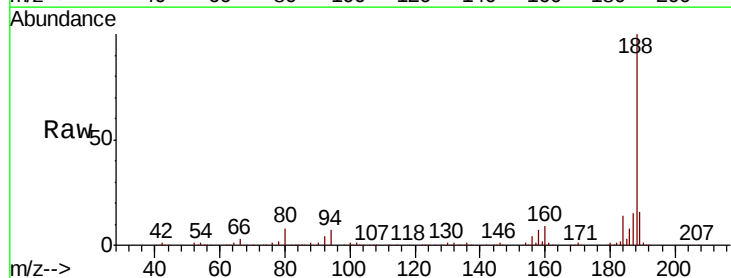
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042460.D
 Acq: 24 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	4.5	6.7#
80	7.5	4.9	7.3#

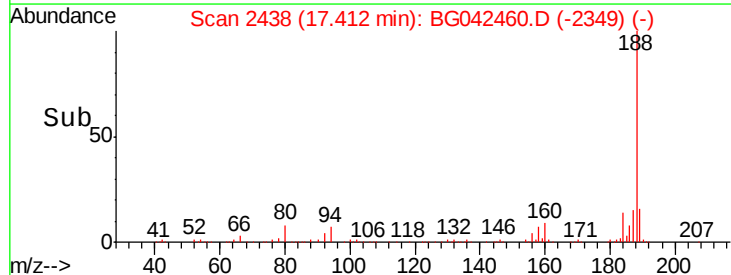
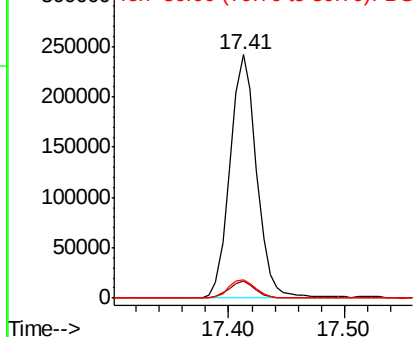


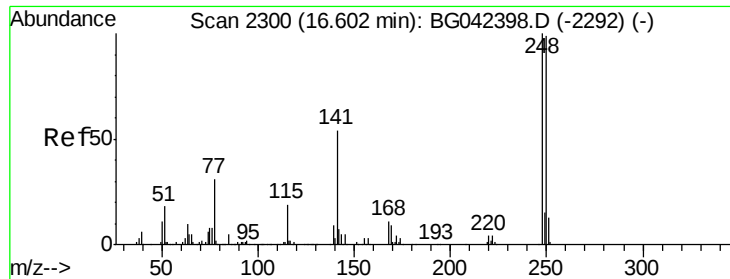
Abundance

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

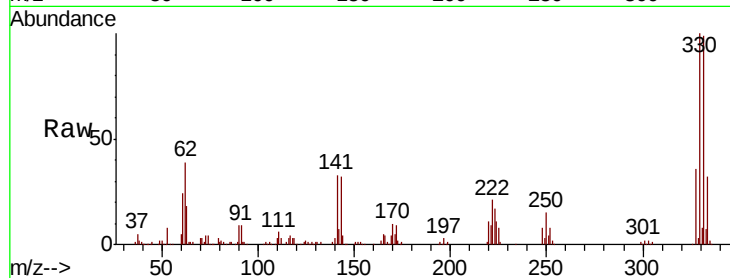




#67
 4-Bromophenyl-phenylether
 Concen: 4.612 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042460.D
 Acq: 24 Aug 2019 10:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	190.1	78.9	118.3#
141	416.8	43.3	64.9#

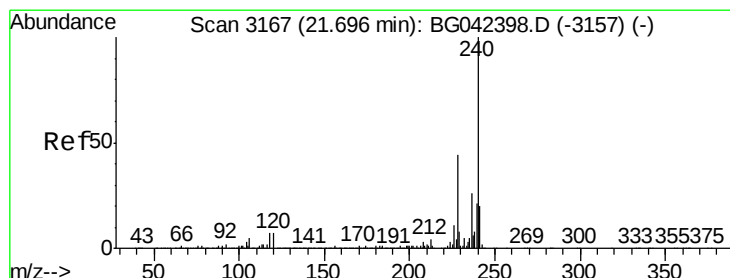
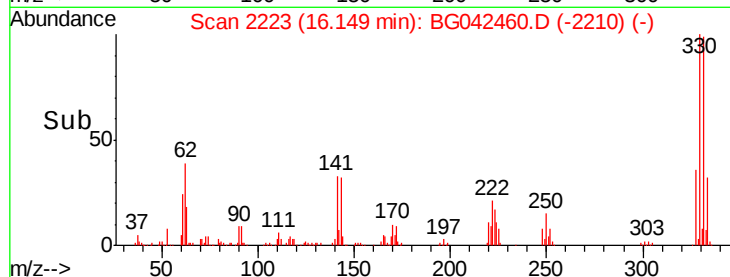
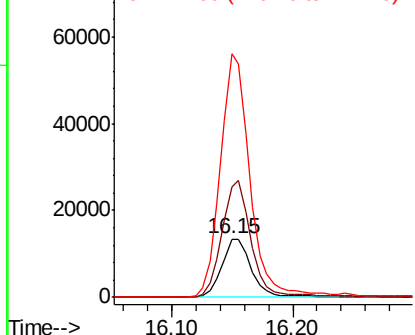


Abundance

Ion 248.00 (247.70 to 248.70): E

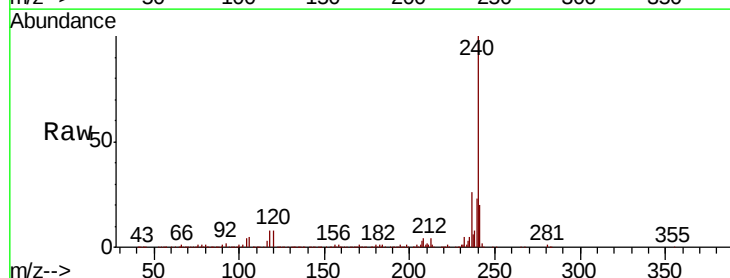
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042460.D
 Acq: 24 Aug 2019 10:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	5.7	8.5
236	26.4	21.0	31.4

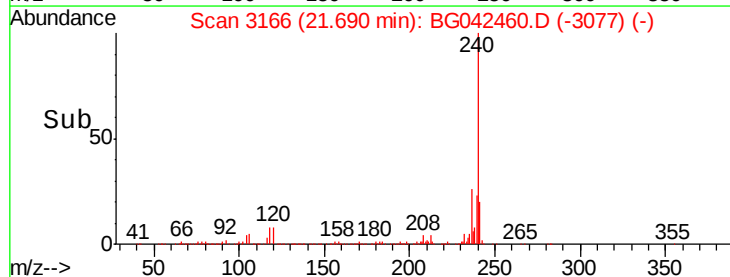
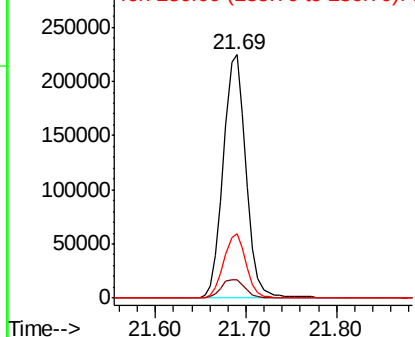


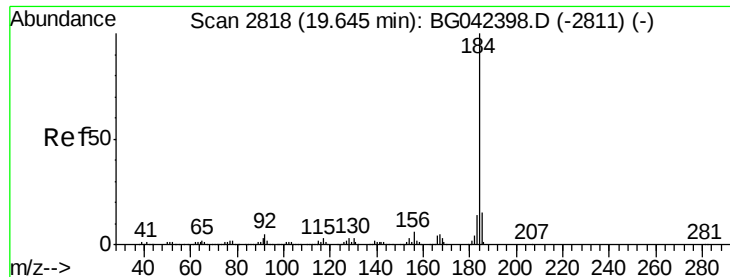
Abundance

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: 2.200 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042460.D

Acq: 24 Aug 2019 10:14

Instrument :

BNA_G

ClientSampled :

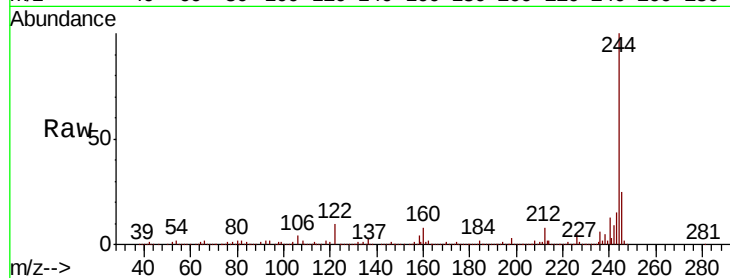
Tot Ion:184 Resp: 24734

Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.4

183 10.6 10.8 16.2#

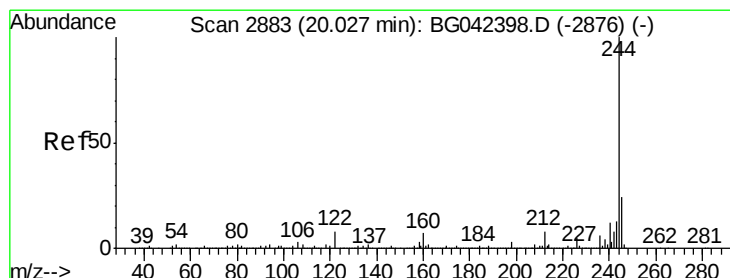
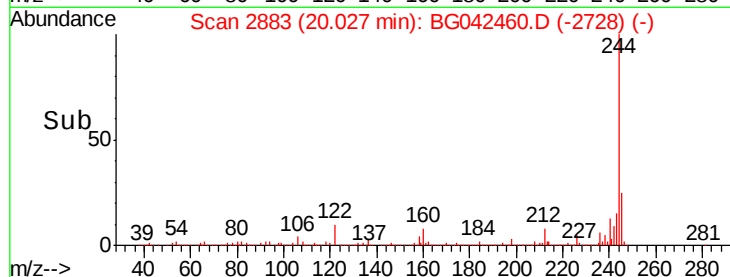
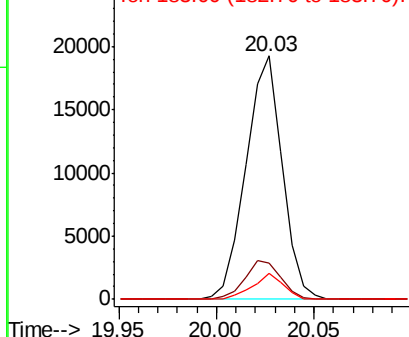


Abundance

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: 94.985 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042460.D

Acq: 24 Aug 2019 10:14

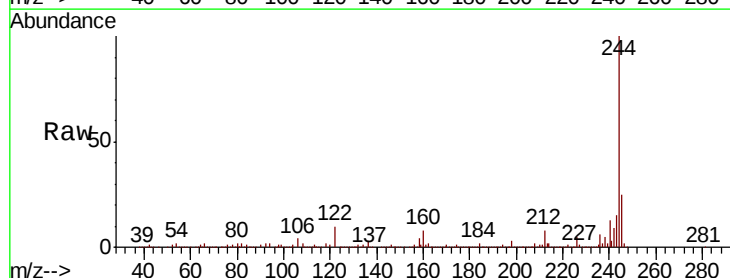
Tgt Ion:244 Resp: 1722552

Ion Ratio Lower Upper

244 100

212 8.5 6.0 9.0

122 9.9 6.7 10.1

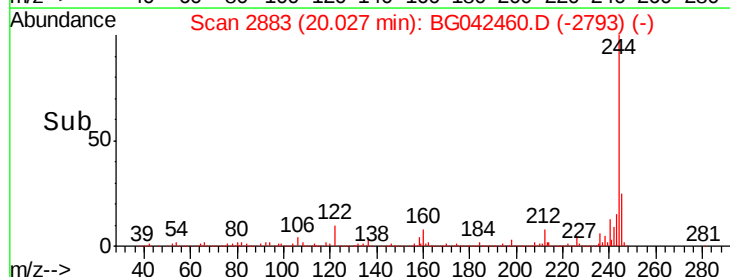
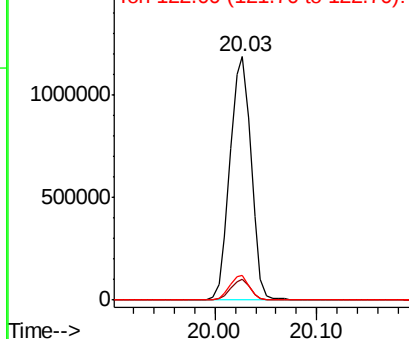


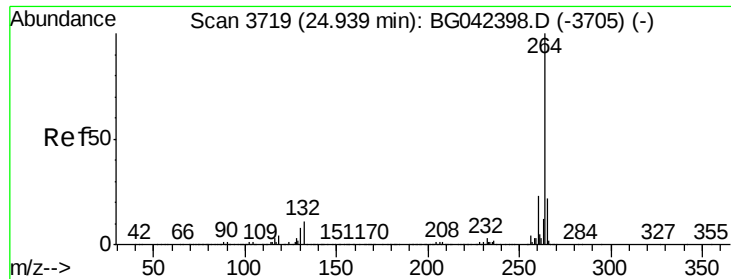
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042460.D
Acq: 24 Aug 2019 10:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.3	17.6	26.4

