

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042459.D
 Acq On : 24 Aug 2019 9:36
 Operator : HP/JU
 Sample : K4475-17
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 04:59:38 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

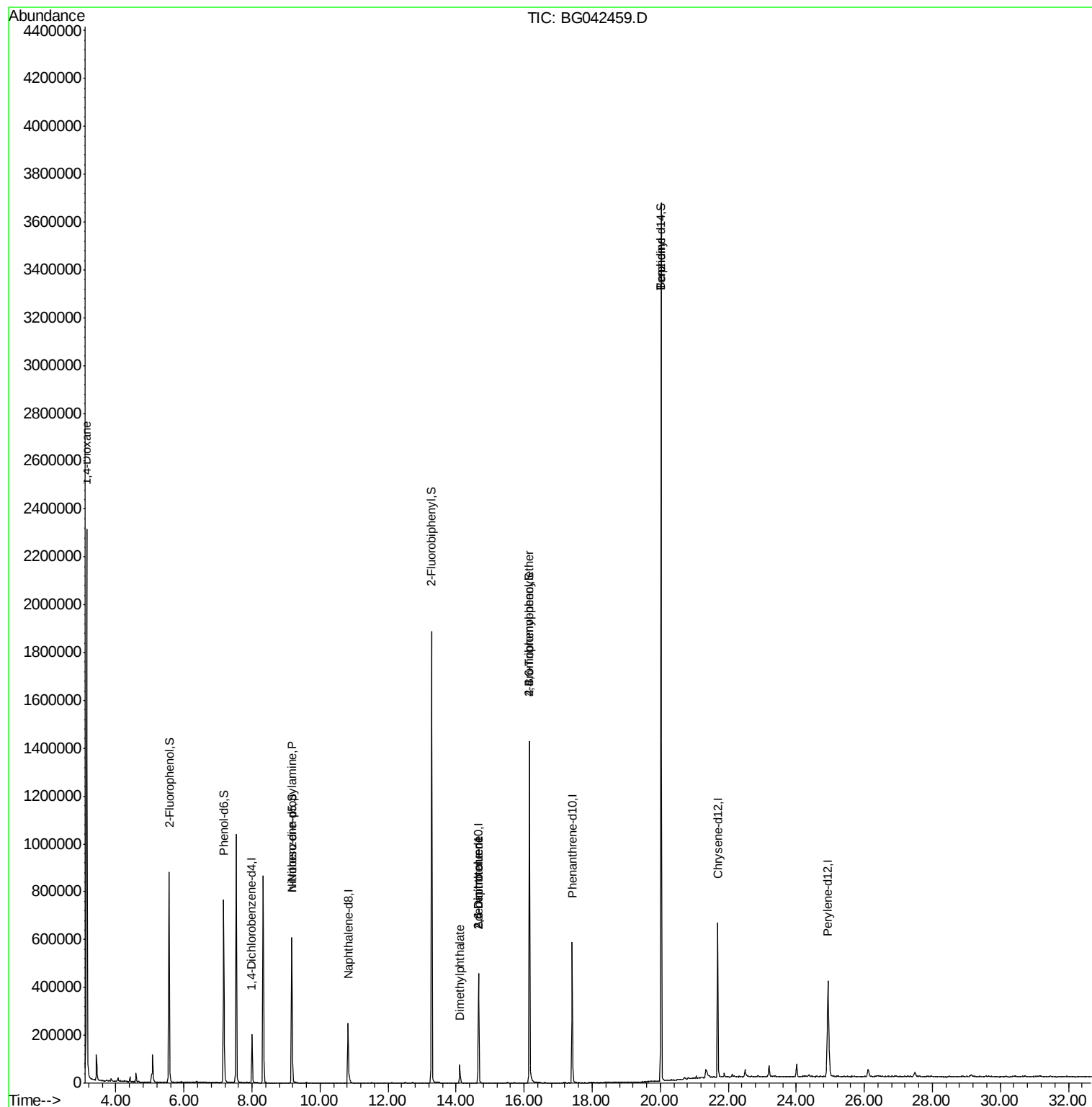
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	68446	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	268707	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	184923	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	397198	20.00	ng	0.00
76) Chrysene-d12	21.69	240	398306	20.00	ng	0.00
87) Perylene-d12	24.93	264	459160	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	441784	130.72	ng	0.00
7) Phenol-d6	7.16	99	535581	117.32	ng	0.00
23) Nitrobenzene-d5	9.17	82	400965	103.12	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	332157	126.37	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1088915	99.59	ng	0.00
79) Terphenyl-d14	20.03	244	1771238	96.14	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	26509	18.796	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	50750	17.160	ng	# 74
50) Dimethylphthalate	14.11	163	78969	5.918	ng	# 99
51) 2,6-Dinitrotoluene	14.66	165	24715	7.991	ng	# 38
57) 2,4-Dinitrotoluene	14.66	165	24715	5.581	ng	# 41
67) 4-Bromophenyl-phenylether	16.15	248	24456	4.854	ng	# 1
77) Benzidine	20.03	184	25448	2.228	ng	# 93

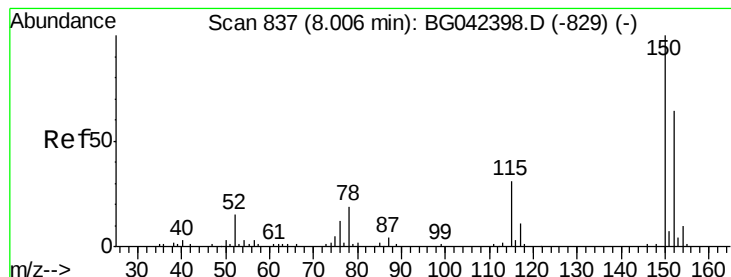
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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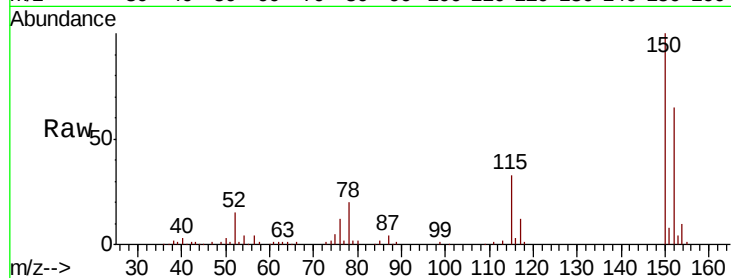


#1

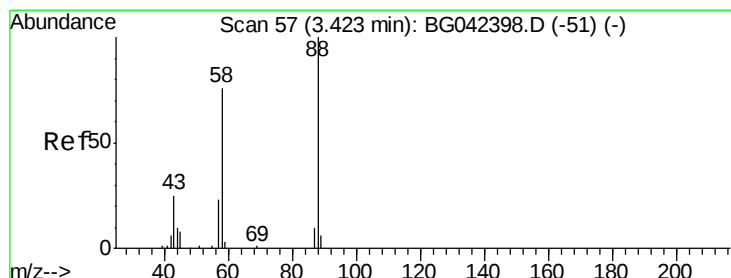
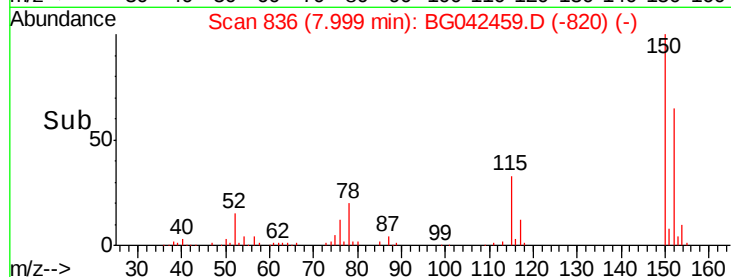
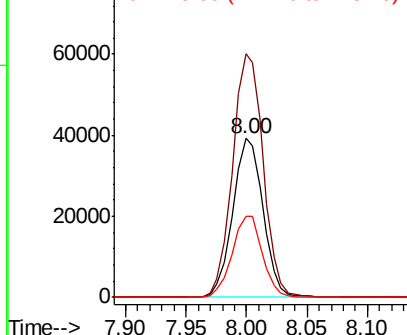
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042459.D
Acq: 24 Aug 2019 9:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 68446
Ion Ratio Lower Upper
152 100
150 153.4 125.4 188.0
115 50.7 38.5 57.7



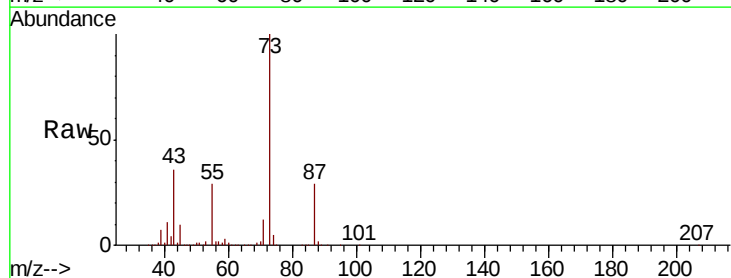
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



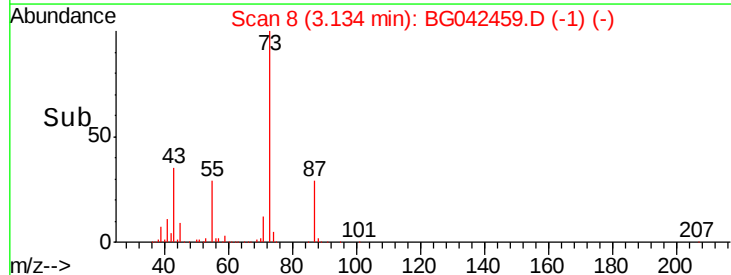
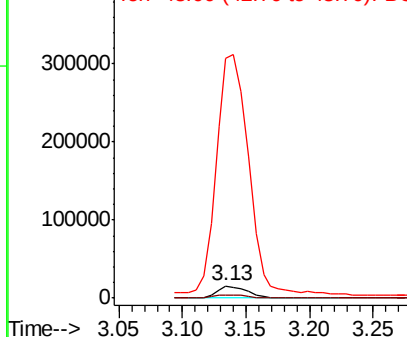
#2

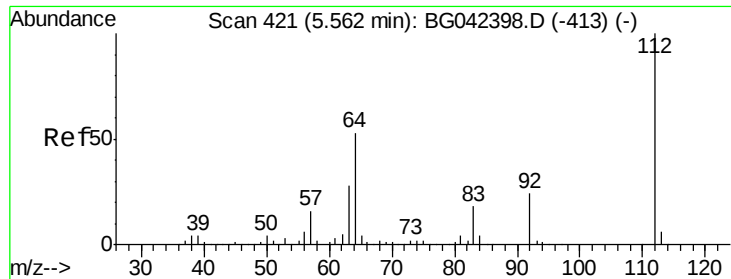
1,4-Dioxane
Concen: 18.796 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042459.D
Acq: 24 Aug 2019 9:36

Tgt Ion: 88 Resp: 26509
Ion Ratio Lower Upper
88 100
58 26.0 58.3 87.5#
43 2058.3 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: 130.722 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

Instrument :

BNA_G

ClientSampleId :

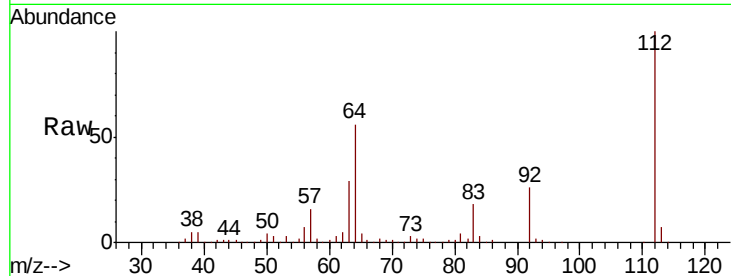
Tot Ion:112 Resp: 441784

Ion Ratio Lower Upper

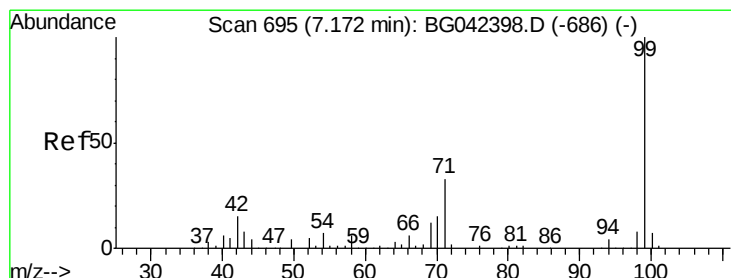
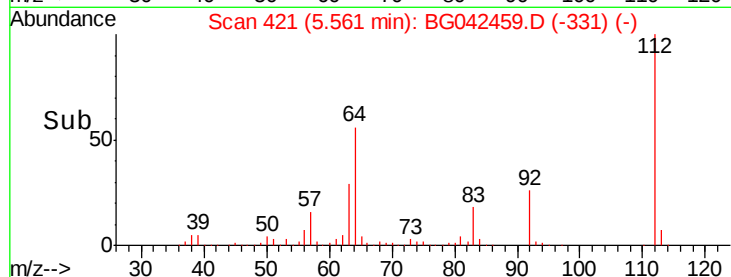
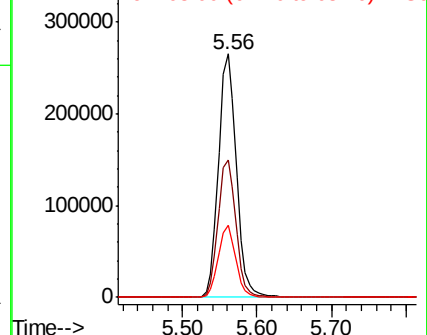
112 100

64 56.2 42.8 64.2

63 29.4 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: 117.323 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

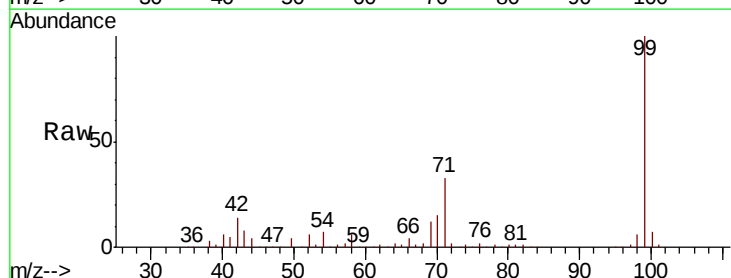
Tgt Ion: 99 Resp: 535581

Ion Ratio Lower Upper

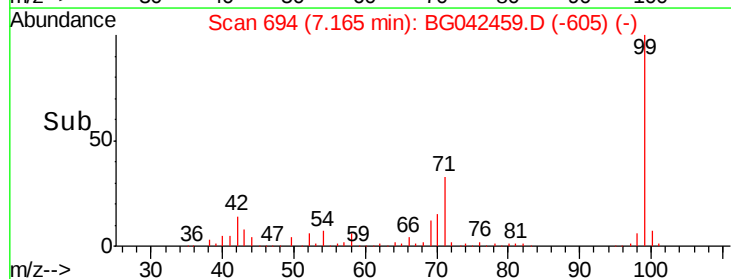
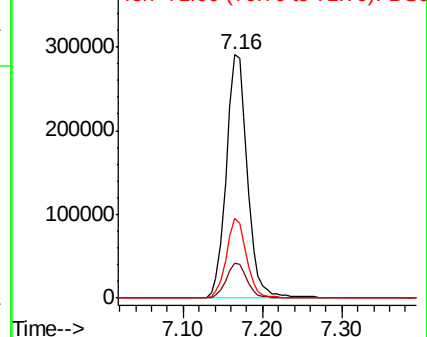
99 100

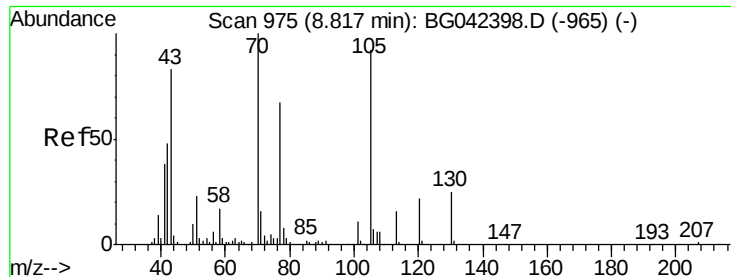
42 14.3 12.0 18.0

71 32.6 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: 17.160 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 50750

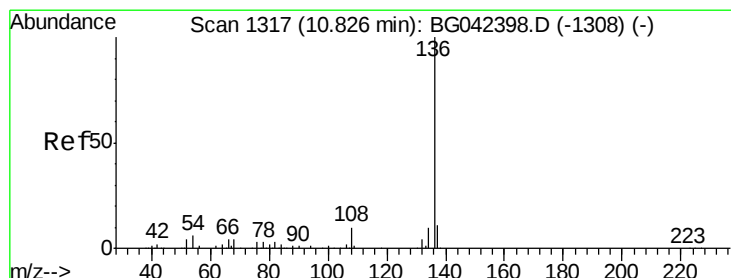
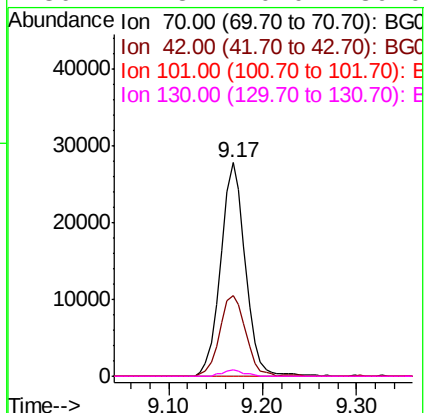
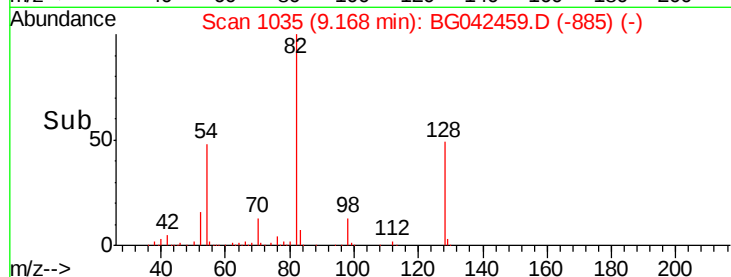
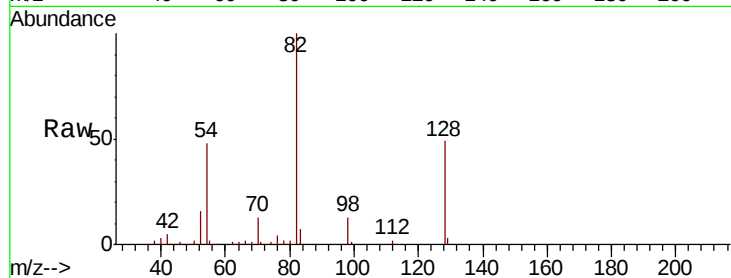
Ion Ratio Lower Upper

70 100

42 37.9 38.8 58.2#

101 0.0 9.0 13.6#

130 2.8 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

Tgt Ion: 136 Resp: 268707

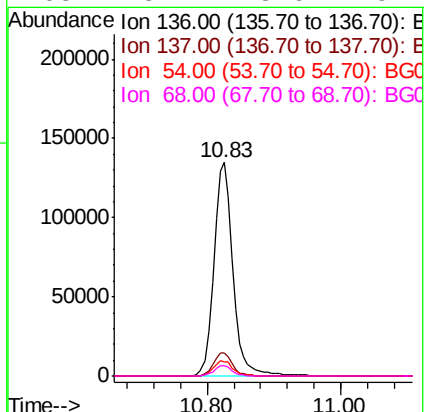
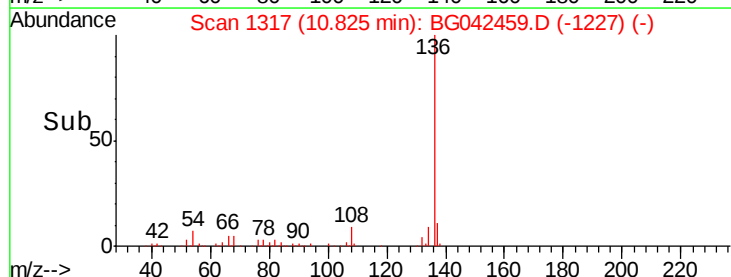
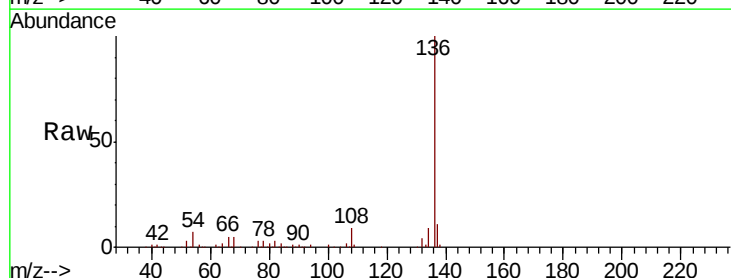
Ion Ratio Lower Upper

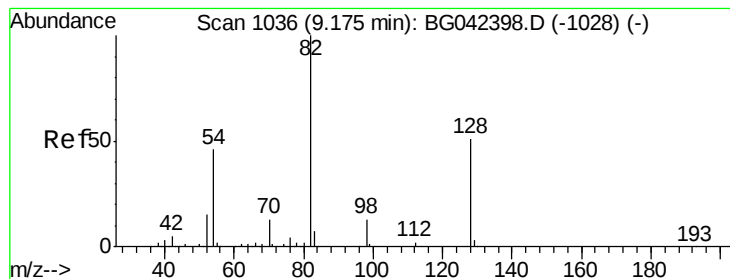
136 100

137 10.6 8.7 13.1

54 6.8 4.9 7.3

68 5.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 103.117 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

Instrument :

BNA_G

ClientSampled :

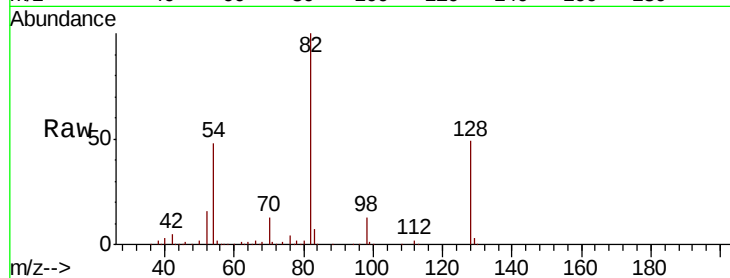
Tot Ion: 82 Resp: 400965

Ion Ratio Lower Upper

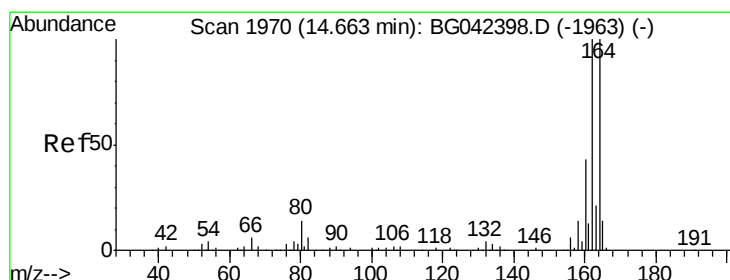
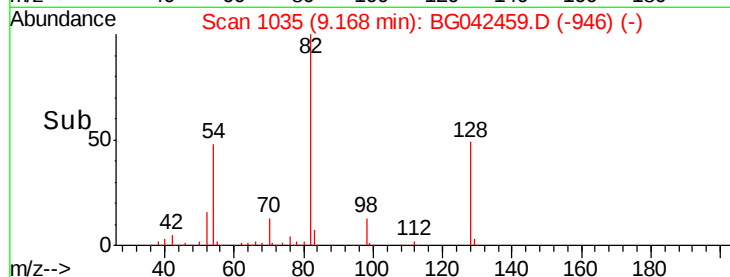
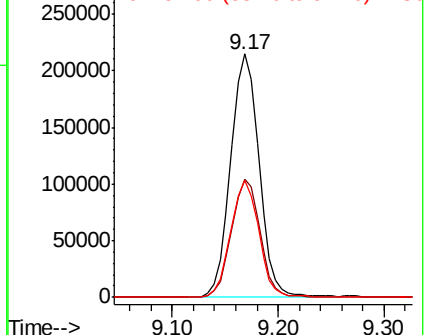
82 100

128 48.7 40.7 61.1

54 48.1 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# 1970

Delta R.T. -0.00 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

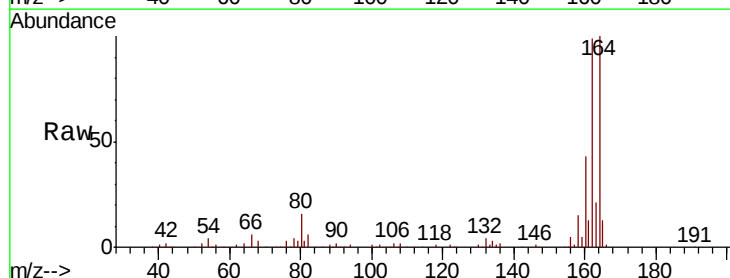
Tgt Ion:164 Resp: 184923

Ion Ratio Lower Upper

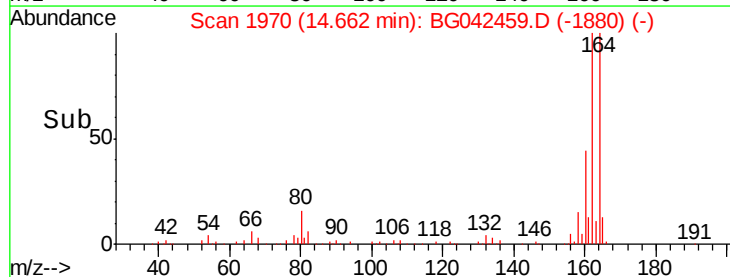
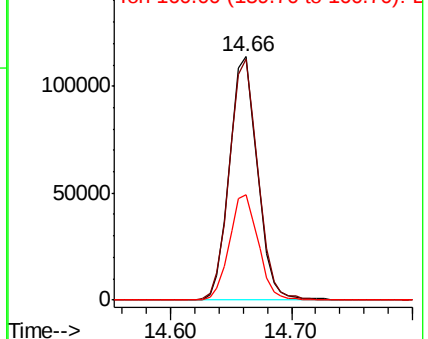
164 100

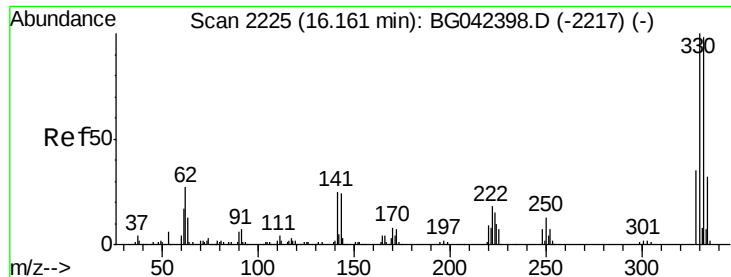
162 98.8 79.9 119.9

160 43.3 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: 126.373 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

Instrument :

BNA_G

ClientSampleId :

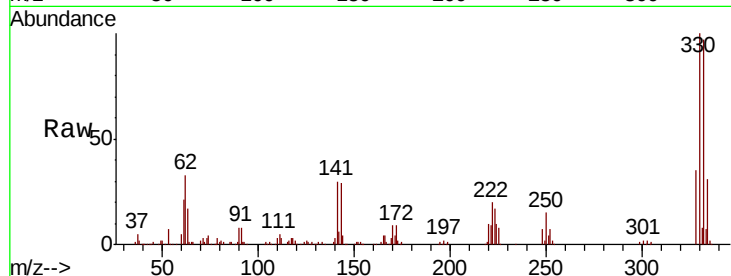
Tot Ion:330 Resp: 332157

Ion Ratio Lower Upper

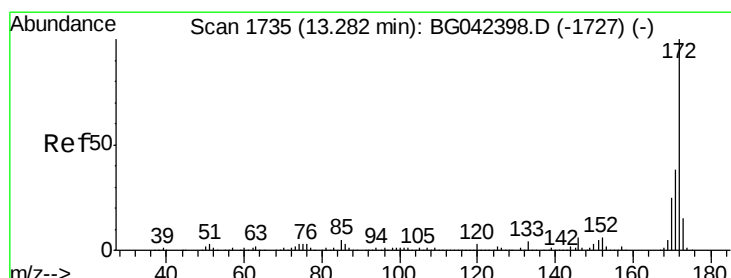
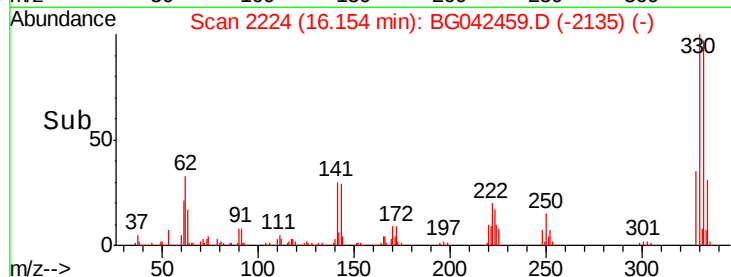
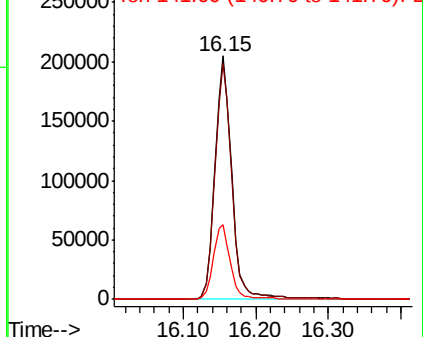
330 100

332 97.8 77.4 116.0

141 31.0 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: 99.591 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

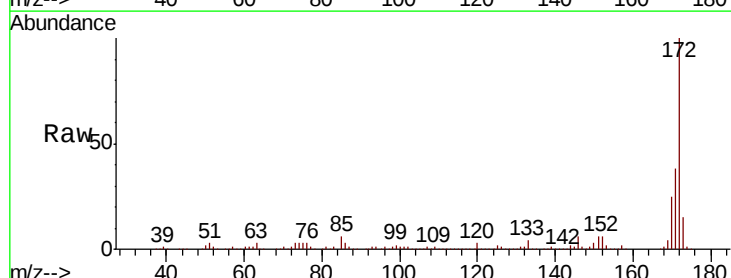
Tgt Ion:172 Resp: 1088915

Ion Ratio Lower Upper

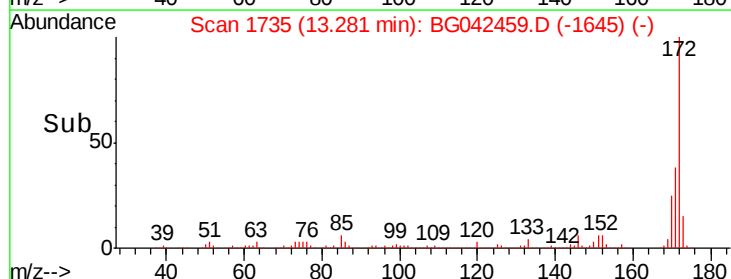
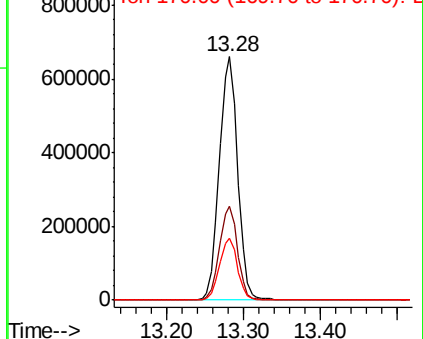
172 100

171 38.3 30.5 45.7

170 25.4 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

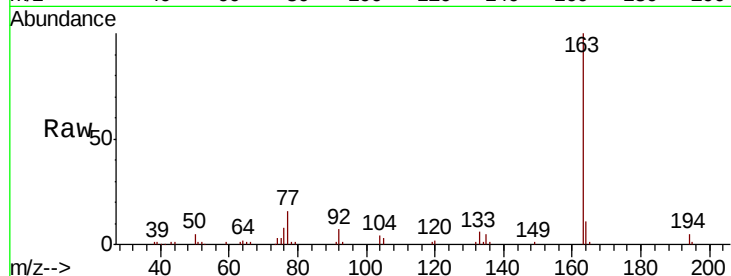




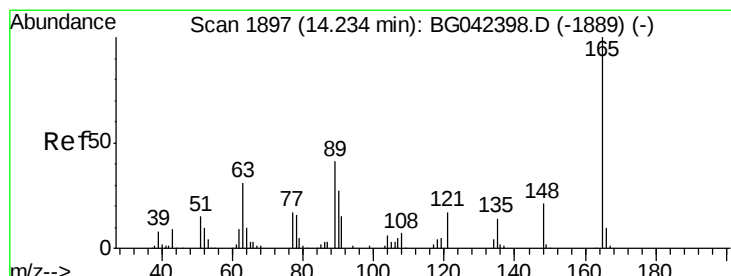
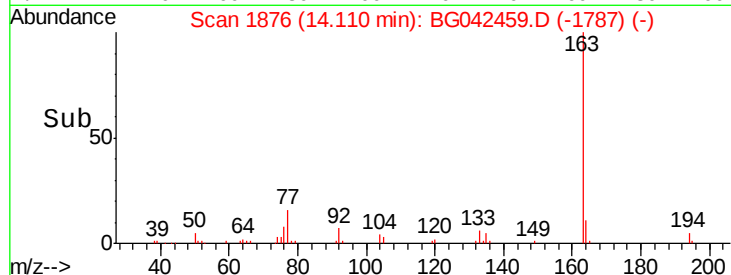
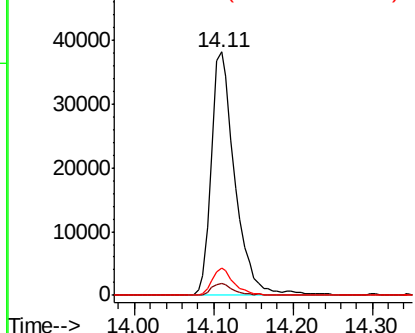
#50
Dimethylphthalate
Concen: 5.918 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042459.D
Acq: 24 Aug 2019 9:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 78969
Ion Ratio Lower Upper
163 100
194 5.0 4.2 6.2
164 11.5 8.8 13.2

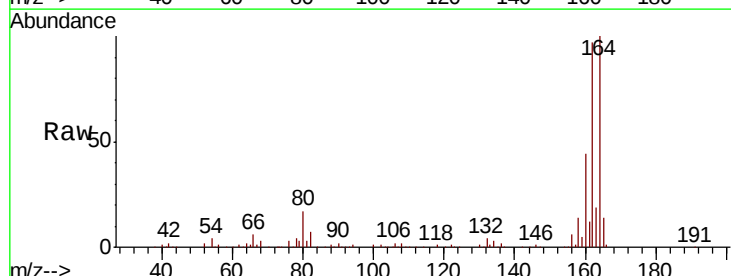


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

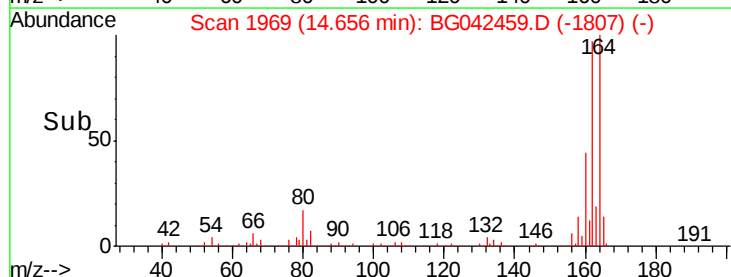
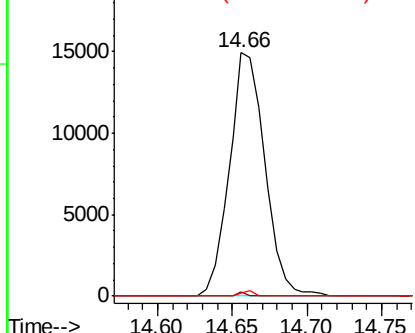


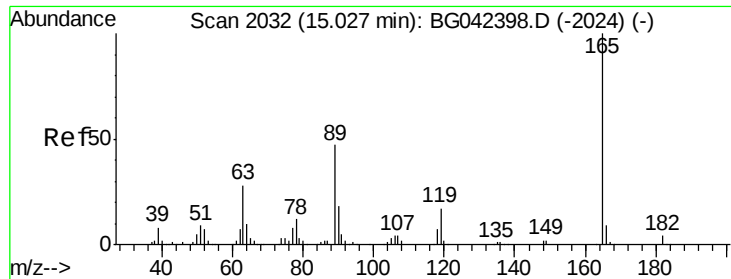
#51
2,6-Dinitrotoluene
Concen: 7.991 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.42 min
Lab File: BG042459.D
Acq: 24 Aug 2019 9:36

Tgt Ion:165 Resp: 24715
Ion Ratio Lower Upper
165 100
63 1.7 30.6 45.8#
89 1.3 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

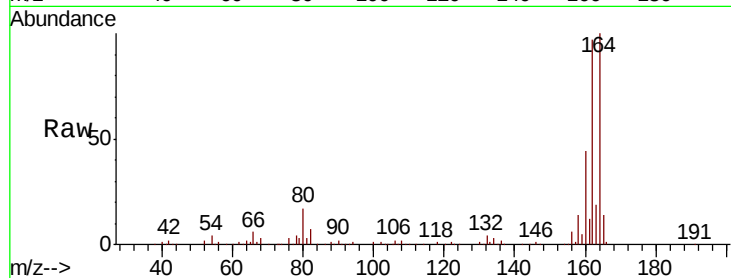




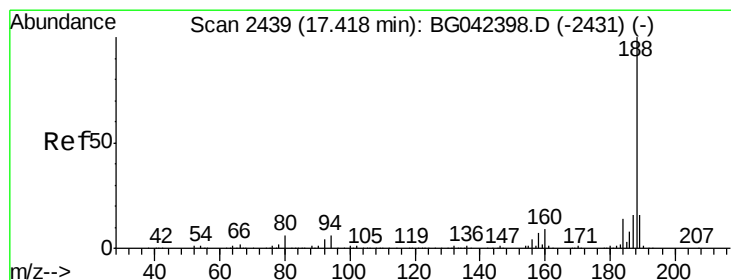
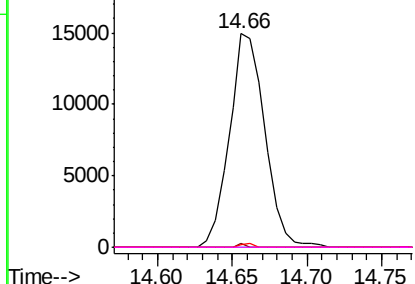
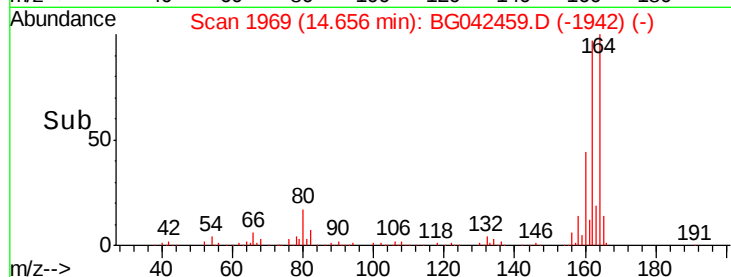
#57
 2,4-Dinitrotoluene
 Concen: 5.581 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042459.D
 Acq: 24 Aug 2019 9:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 24715
 Ion Ratio Lower Upper
 165 100
 63 1.7 22.5 33.7#
 89 1.3 37.8 56.6#
 182 0.0 3.0 4.4#

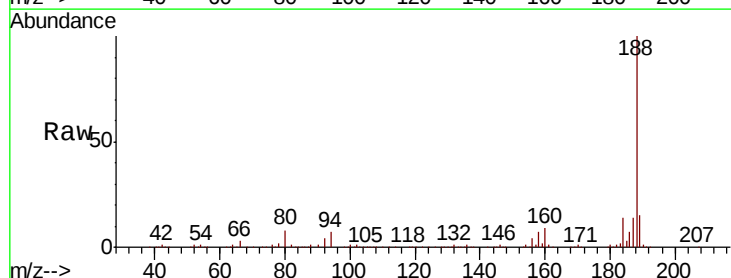


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

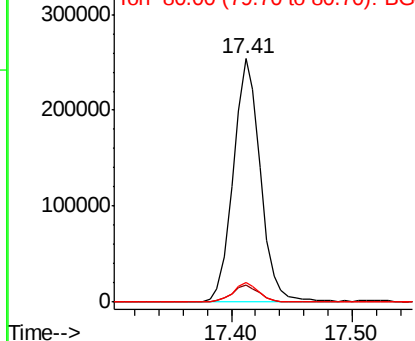
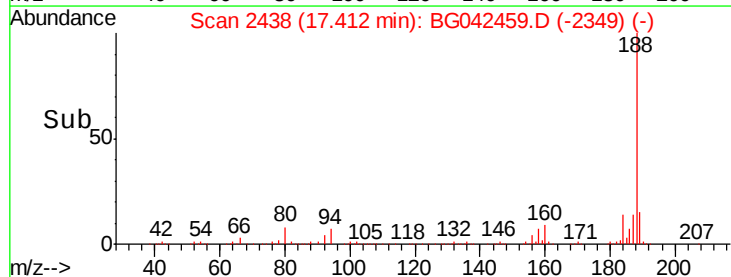


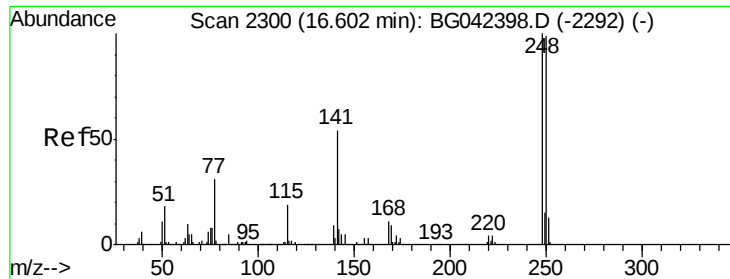
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042459.D
 Acq: 24 Aug 2019 9:36

Tgt Ion:188 Resp: 397198
 Ion Ratio Lower Upper
 188 100
 94 6.9 4.5 6.7#
 80 7.9 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

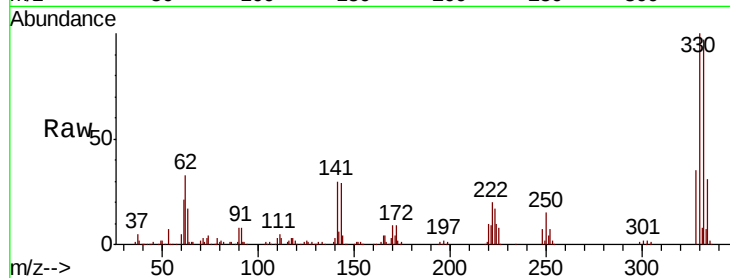




#67
 4-Bromophenyl-phenylether
 Concen: 4.854 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042459.D
 Acq: 24 Aug 2019 9:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	203.6	78.9	118.3#
141	415.1	43.3	64.9#

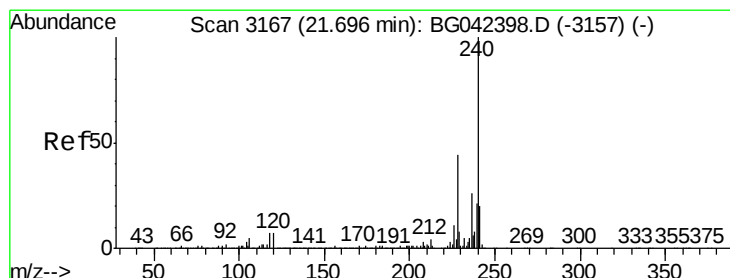
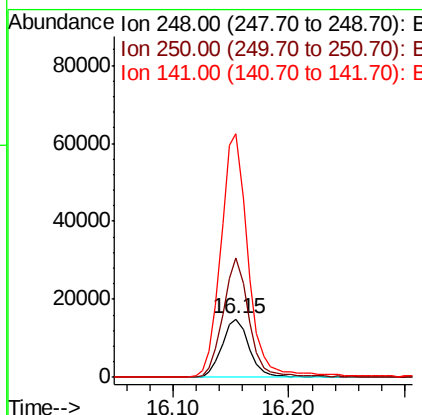
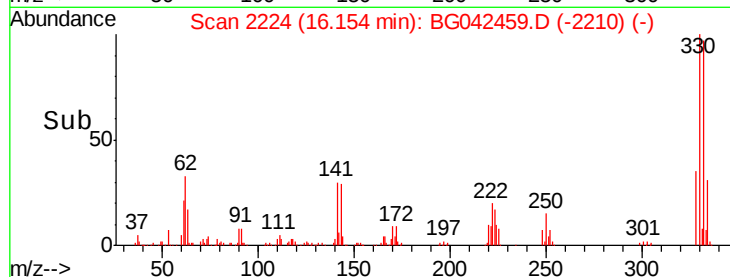


Abundance

Ion 248.00 (247.70 to 248.70): E

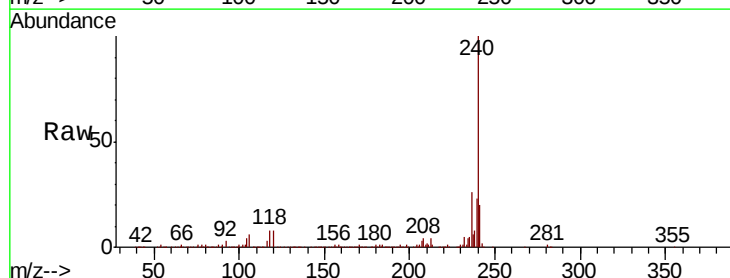
Ion 250.00 (249.70 to 250.70): E

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: BG042459.D
 Acq: 24 Aug 2019 9:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	5.7	8.5
236	26.1	21.0	31.4

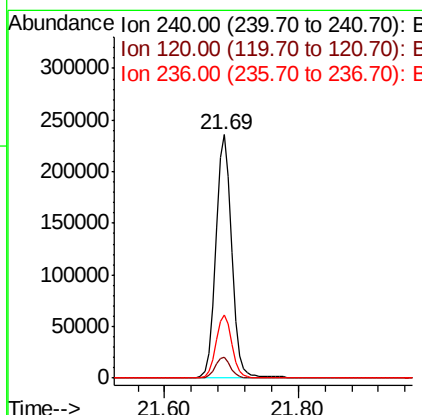
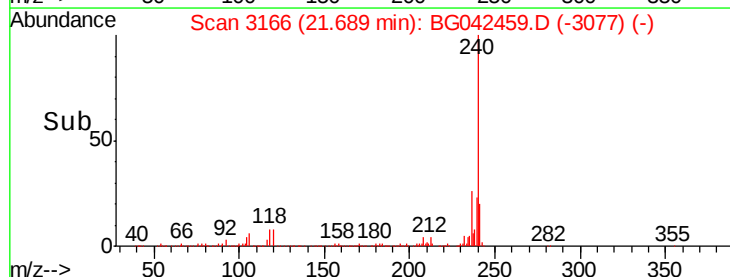


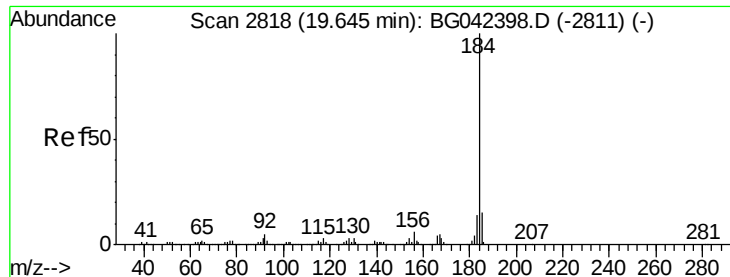
Abundance

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: 2.228 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

Instrument :

BNA_G

ClientSampled :

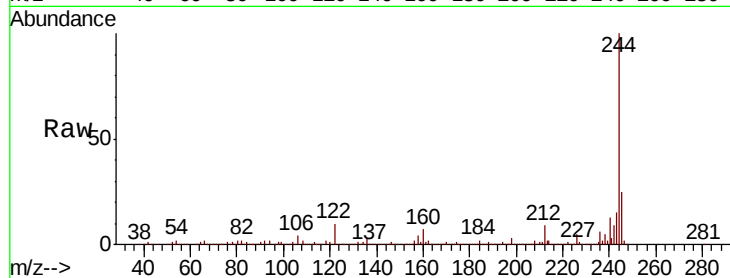
Tot Ion:184 Resp: 25448

Ion Ratio Lower Upper

184 100

185 17.4 12.2 18.4

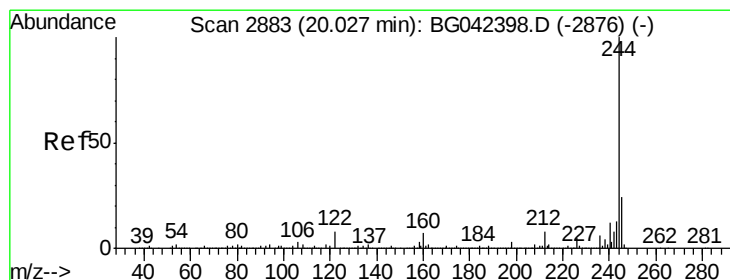
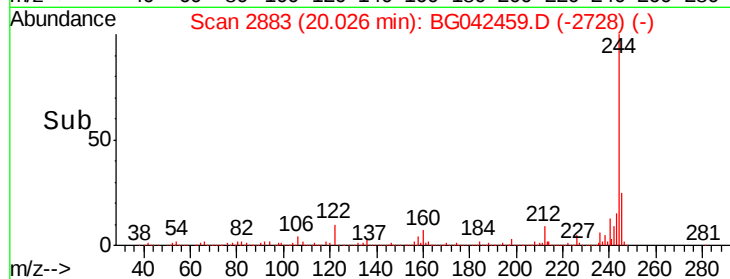
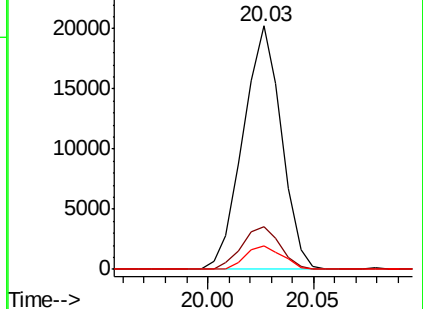
183 9.4 10.8 16.2#



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: 96.139 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042459.D

Acq: 24 Aug 2019 9:36

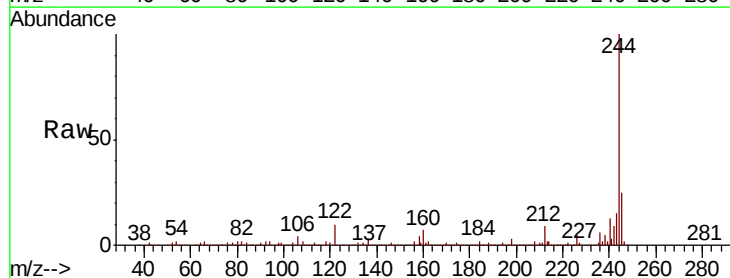
Tgt Ion:244 Resp: 1771238

Ion Ratio Lower Upper

244 100

212 8.6 6.0 9.0

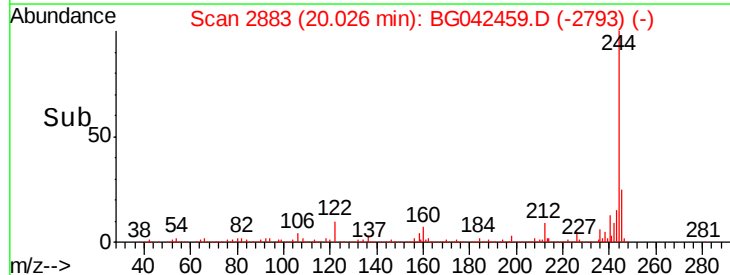
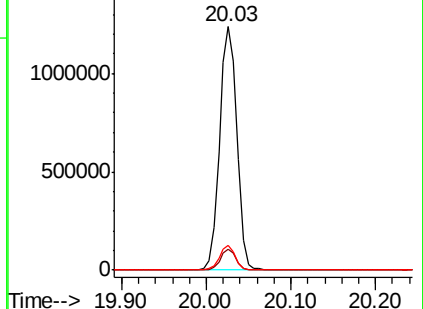
122 10.3 6.7 10.1#

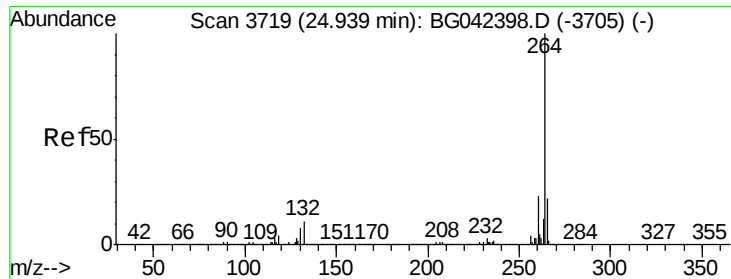


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3718
Delta R.T. -0.01 min
Lab File: BG042459.D
Acq: 24 Aug 2019 9:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.6	17.6	26.4

