

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\
 Data File : BG043057.D
 Acq On : 5 Oct 2019 16:10
 Operator : JU
 Sample : K5193-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190880-COMPOSITE-L

Quant Time: Oct 06 23:54:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

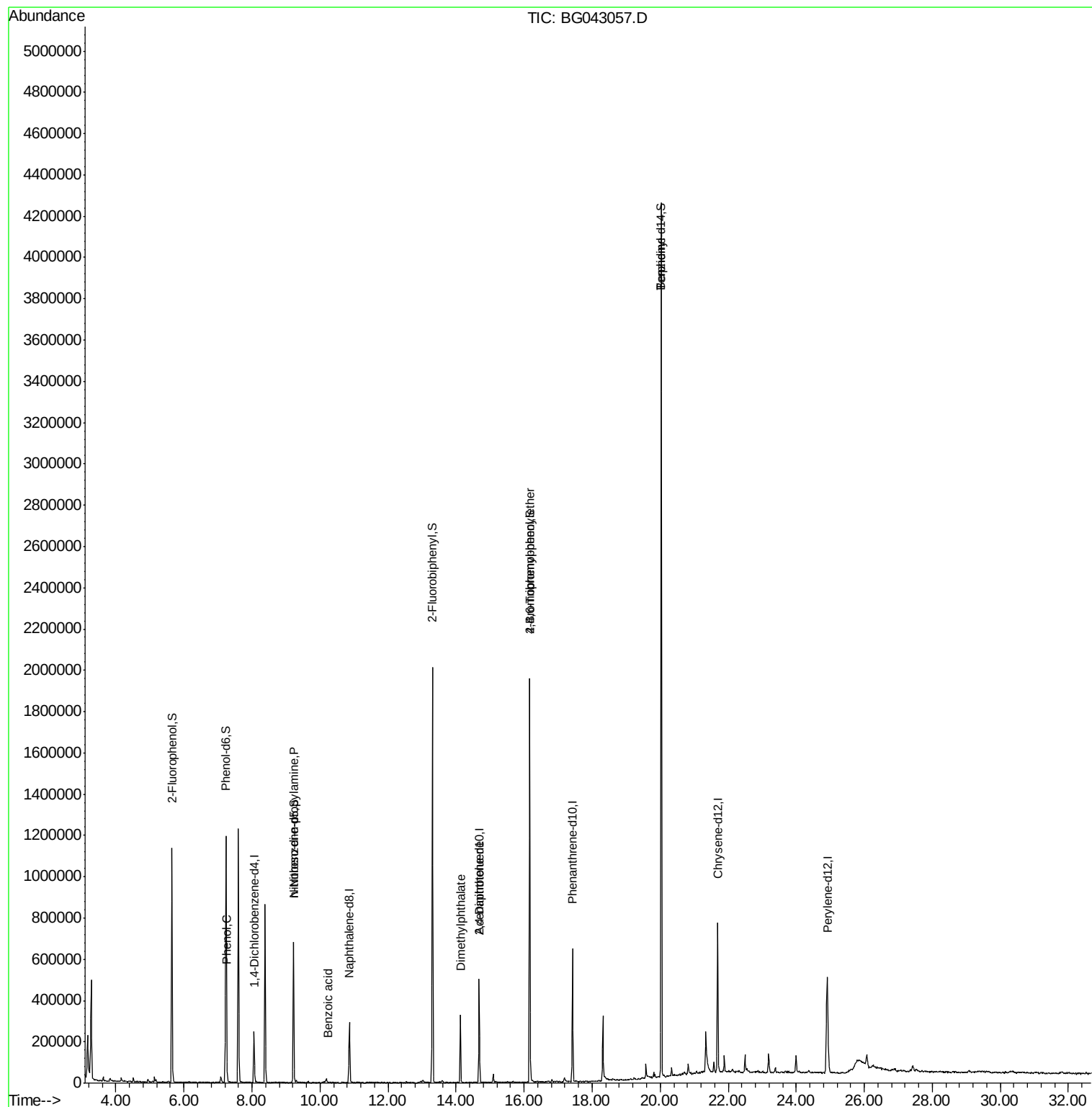
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	70014	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	253874	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	176400	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	418216	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	464845	20.00	ng	-0.03
87) Perylene-d12	24.91	264	540908	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	490485	125.02	ng	-0.01
7) Phenol-d6	7.24	99	683599	121.00	ng	0.00
23) Nitrobenzene-d5	9.22	82	427057	81.76	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	425561	140.30	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1059565	87.08	ng	-0.02
79) Terphenyl-d14	20.03	244	2062813	94.56	ng	-0.01
Target Compounds						
10) Phenol	7.26	94	32044	6.182	ng	93
19) n-Nitroso-di-n-propylamine	9.22	70	59459	16.028	ng	# 69
32) Benzoic acid	10.24	122	57	2.823	ng	94
50) Dimethylphthalate	14.13	163	219483	16.606	ng	99
57) 2,4-Dinitrotoluene	14.68	165	24301	5.896	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	28528	5.435	ng	# 1
77) Benzidine	20.03	184	33996	2.921	ng	95

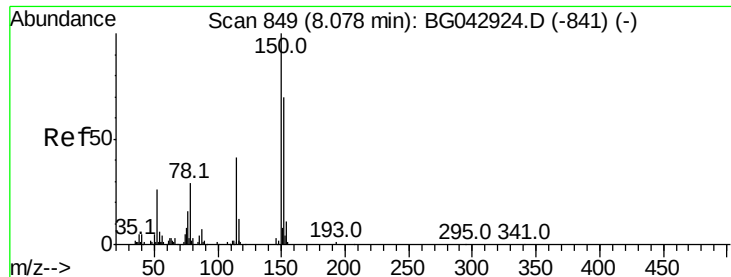
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.02 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

Instrument :

BNA_G

ClientSampleId :

20190880-COMPOSITE-L

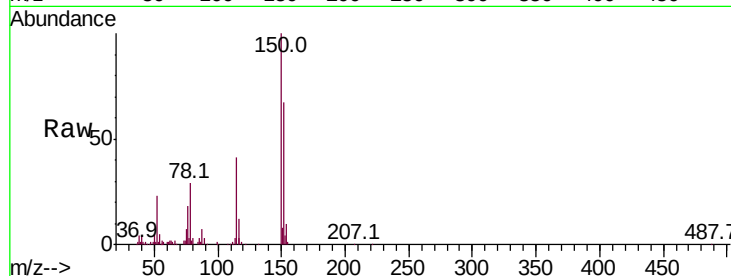
Tot Ion:152 Resp: 70014

Ion Ratio Lower Upper

152 100

150 148.5 115.0 172.4

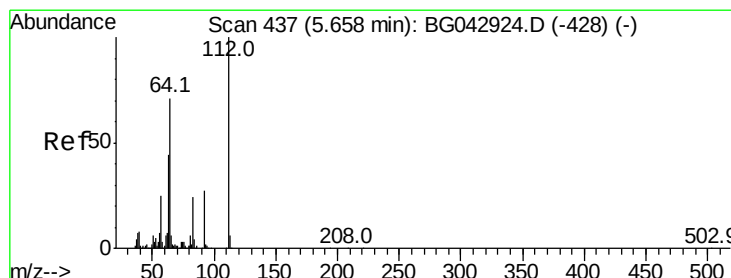
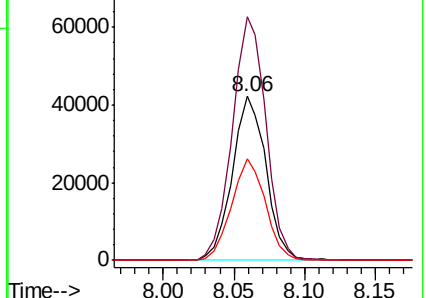
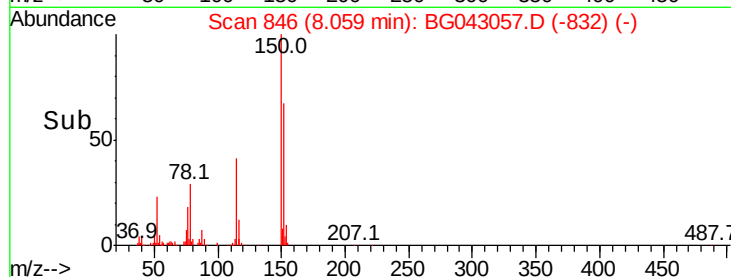
115 61.5 47.0 70.6



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



#5

2-Fluorophenol

Concen: 125.022 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

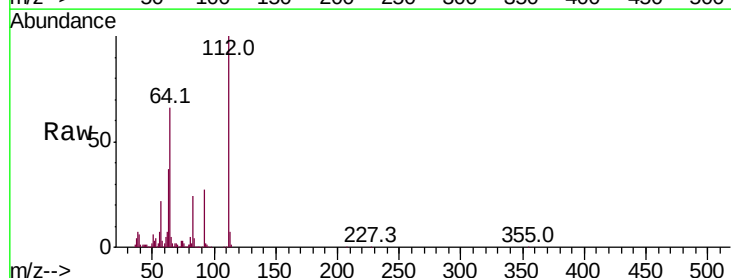
Tgt Ion:112 Resp: 490485

Ion Ratio Lower Upper

112 100

64 66.5 56.6 84.8

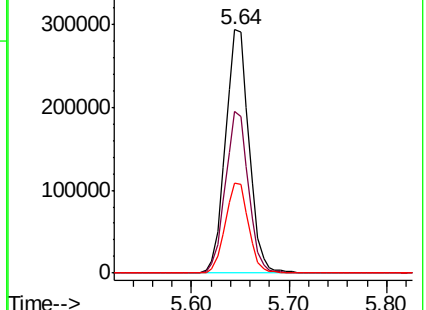
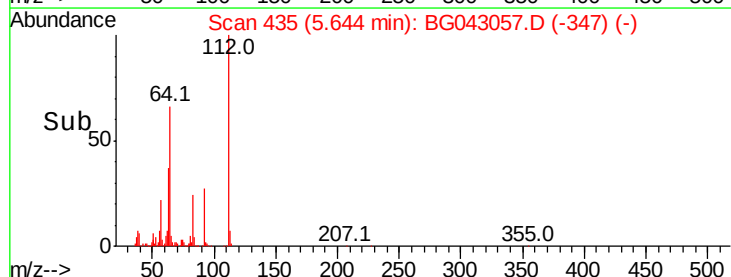
63 37.1 35.1 52.7

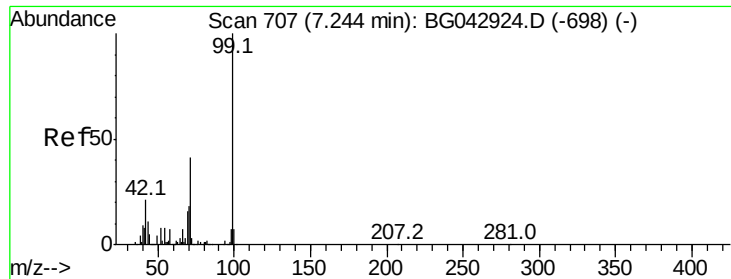


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 120.999 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

Instrument :

BNA_G

ClientSampleId :

20190880-COMPOSITE-L

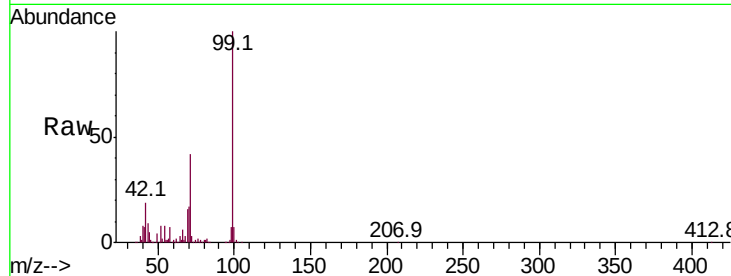
Tot Ion: 99 Resp: 683599

Ion Ratio Lower Upper

99 100

42 19.1 17.2 25.8

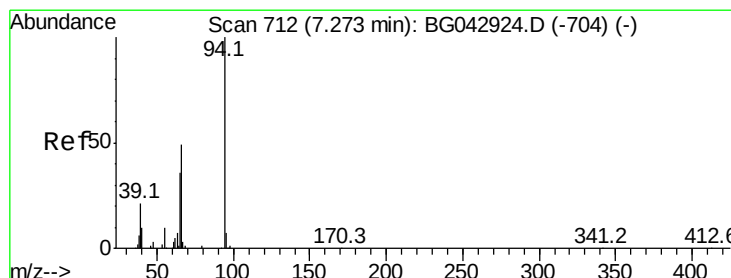
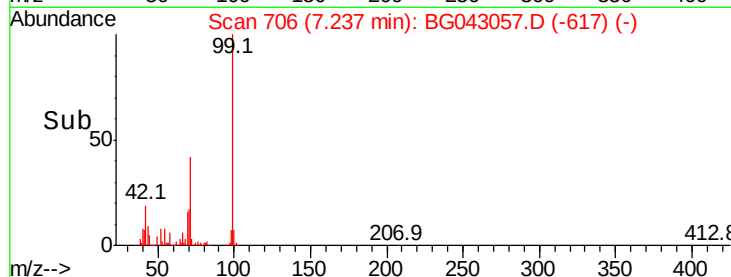
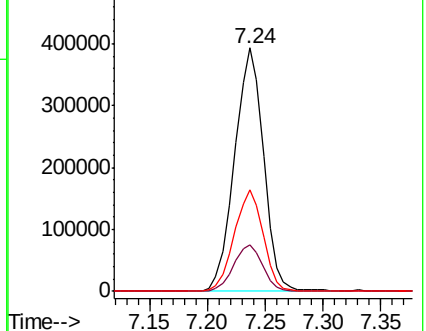
71 41.6 33.1 49.7



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



#10

Phenol

Concen: 6.182 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

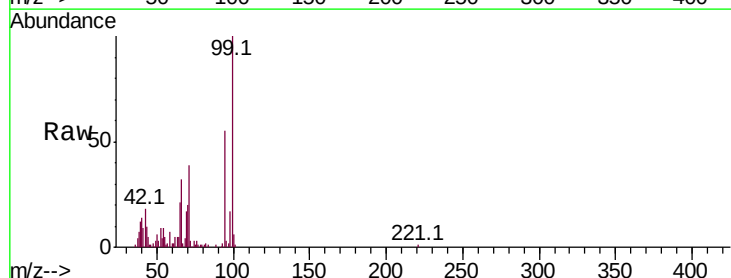
Tgt Ion: 94 Resp: 32044

Ion Ratio Lower Upper

94 100

65 38.9 16.6 56.6

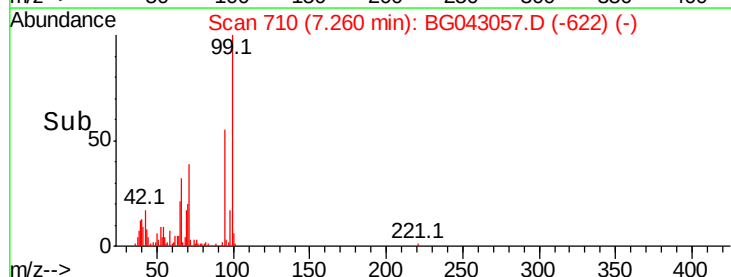
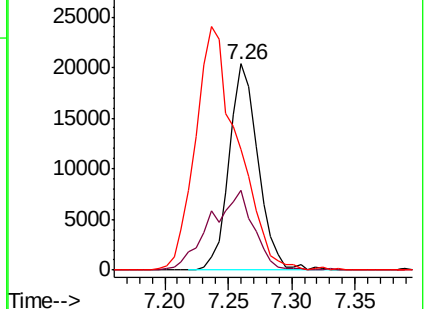
66 58.6 32.4 72.4

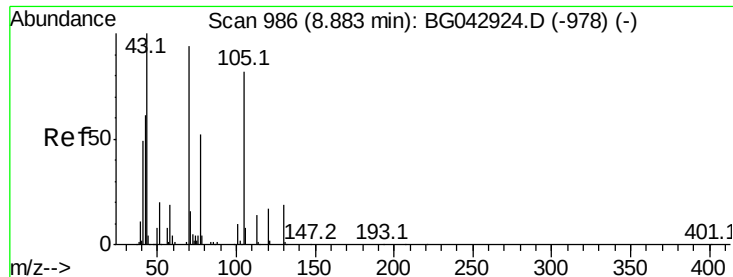


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

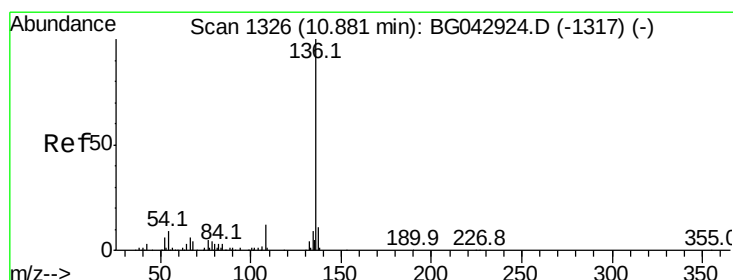
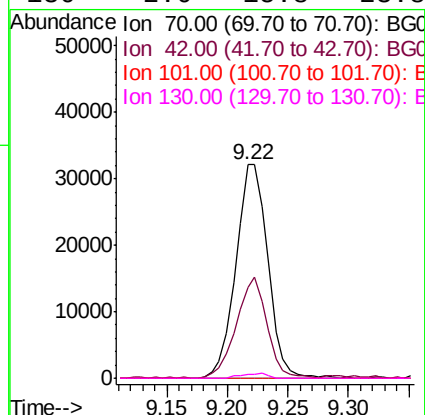
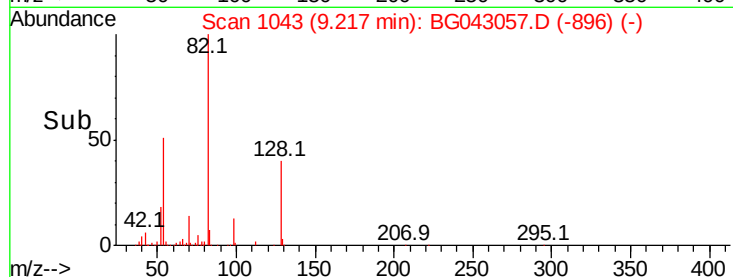
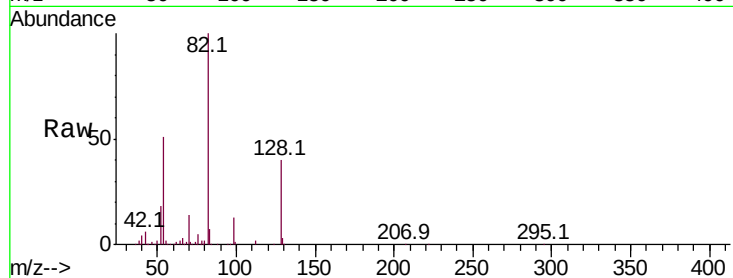




#19
n-Nitroso-di-n-propylamine
Concen: 16.028 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.33 min
Lab File: BG043057.D
Acq: 5 Oct 2019 16:10

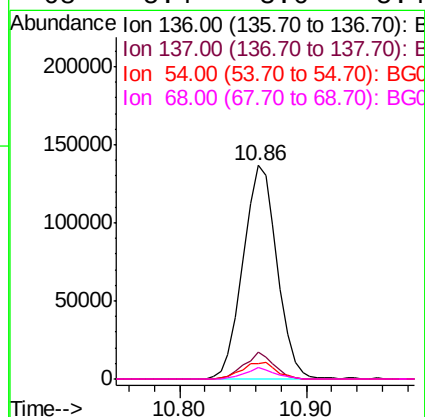
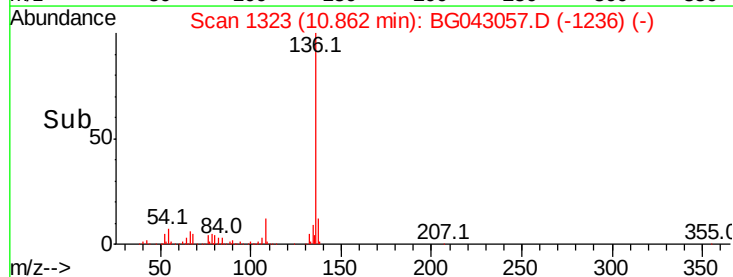
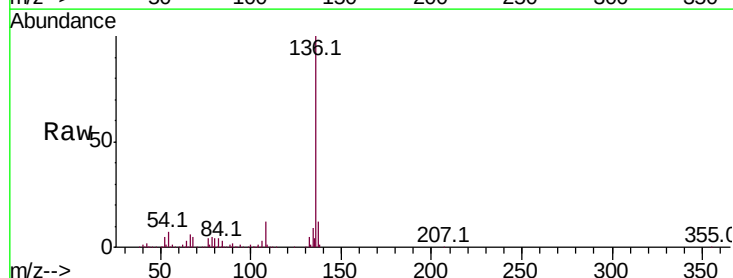
Instrument :
BNA_G
ClientSampleId :
20190880-COMPOSITE-L

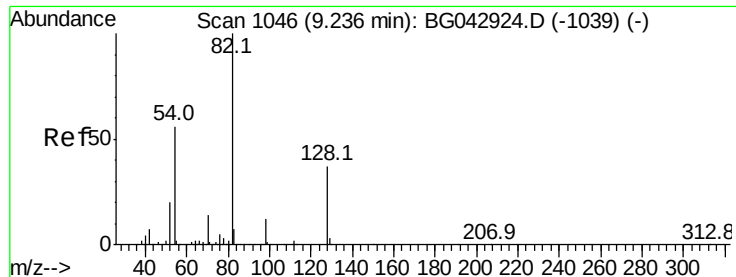
Tot Ion: 70 Resp: 59459
Ion Ratio Lower Upper
70 100
42 42.3 52.6 79.0#
101 0.0 8.7 13.1#
130 2.0 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043057.D
Acq: 5 Oct 2019 16:10

Tgt Ion: 136 Resp: 253874
Ion Ratio Lower Upper
136 100
137 12.4 8.5 12.7
54 7.4 7.4 11.2#
68 5.4 3.6 5.4





#23

Nitrobenzene-d5

Concen: 81.762 ng

RT: 9.22 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

Instrument :

BNA_G

ClientSampleId :

20190880-COMPOSITE-L

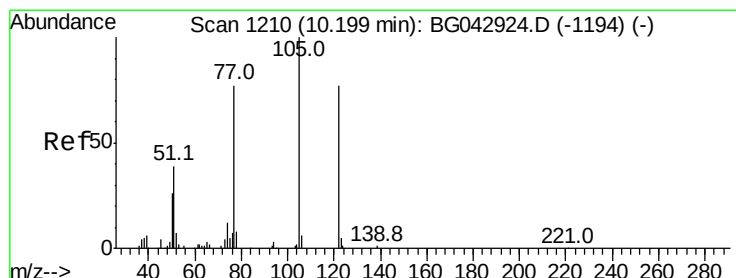
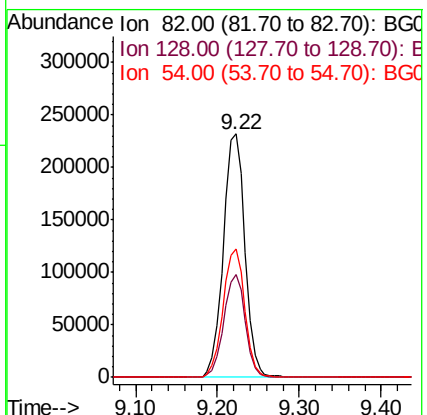
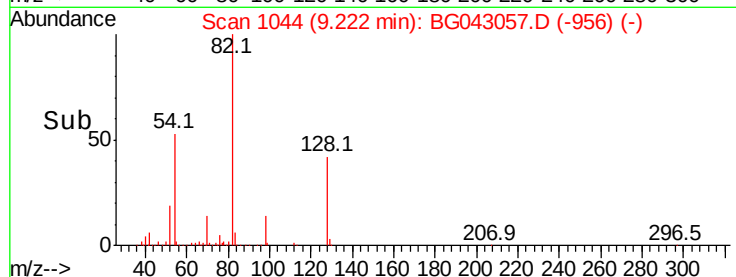
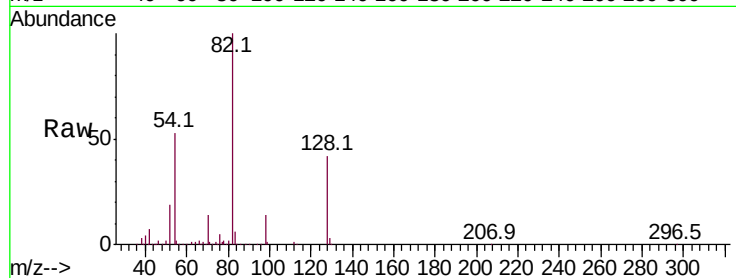
Tot Ion: 82 Resp: 427057

Ion Ratio Lower Upper

82 100

128 42.2 29.5 44.3

54 52.8 44.6 67.0



#32

Benzoic acid

Concen: 2.823 ng

RT: 10.24 min Scan# 1217

Delta R.T. 0.04 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

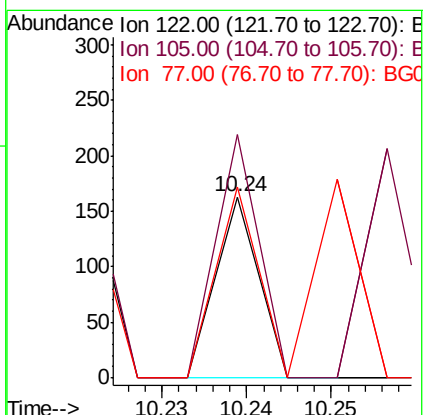
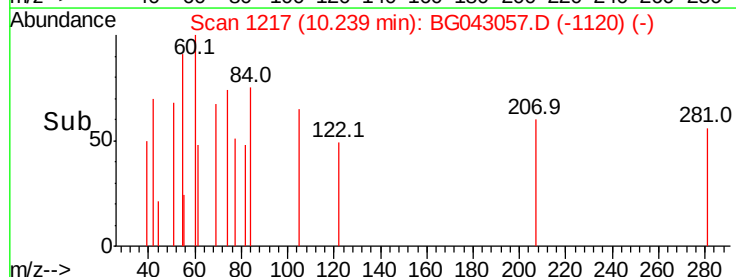
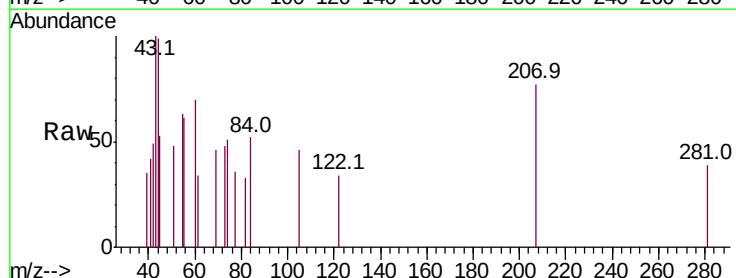
Tgt Ion: 122 Resp: 57

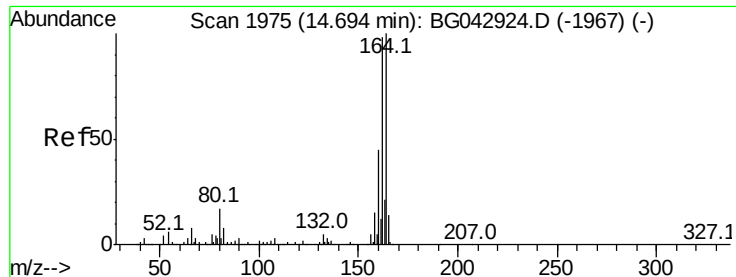
Ion Ratio Lower Upper

122 100

105 134.4 107.5 147.5

77 105.5 79.8 119.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

Instrument :

BNA_G

ClientSampleId :

20190880-COMPOSITE-L

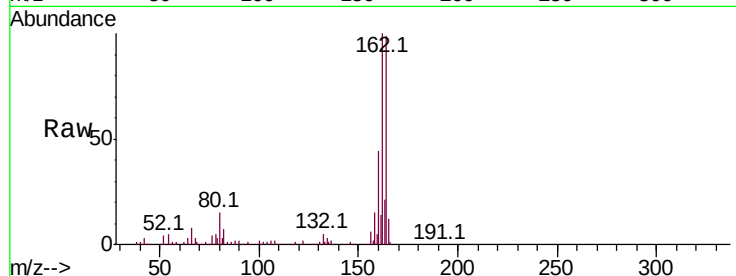
Tot Ion:164 Resp: 176400

Ion Ratio Lower Upper

164 100

162 100.8 78.5 117.7

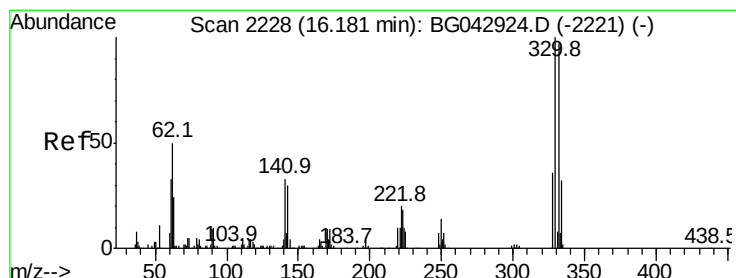
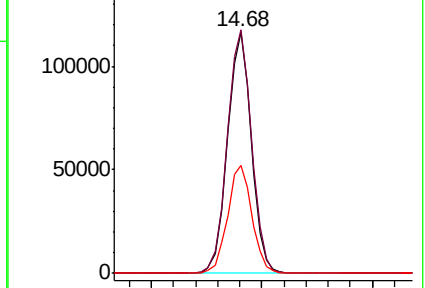
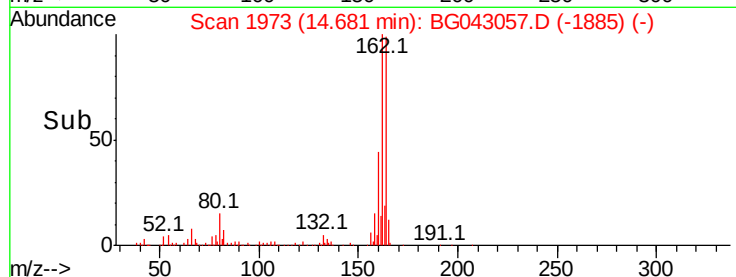
160 44.8 35.9 53.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 140.296 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

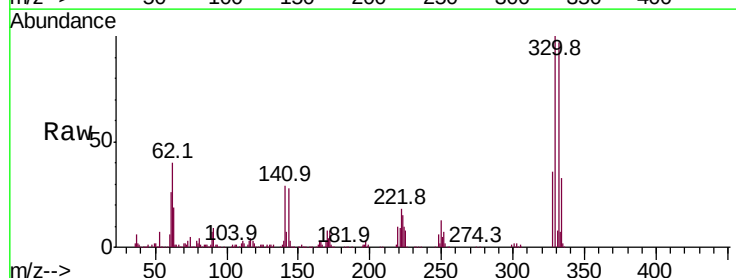
Tgt Ion:330 Resp: 425561

Ion Ratio Lower Upper

330 100

332 98.4 78.2 117.2

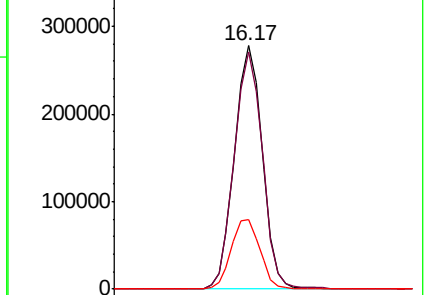
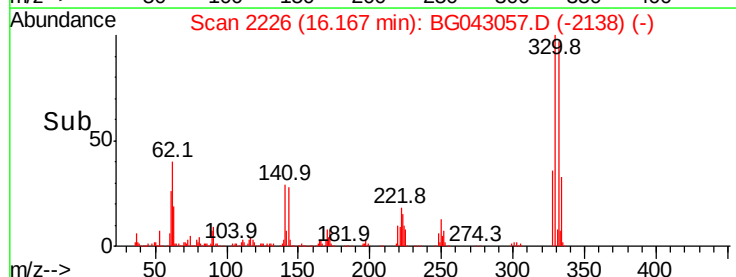
141 29.5 26.0 39.0

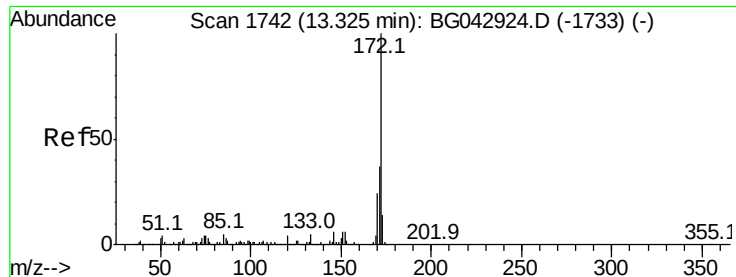


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

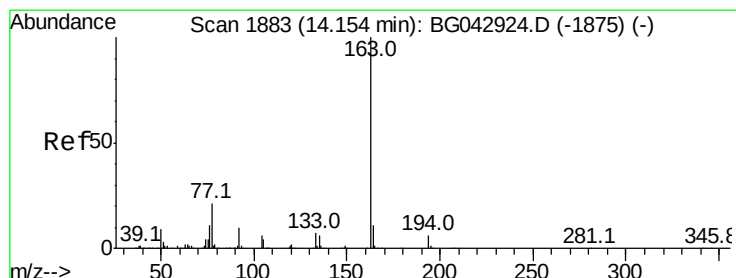
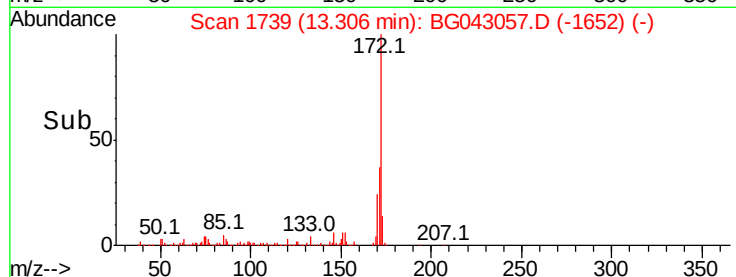
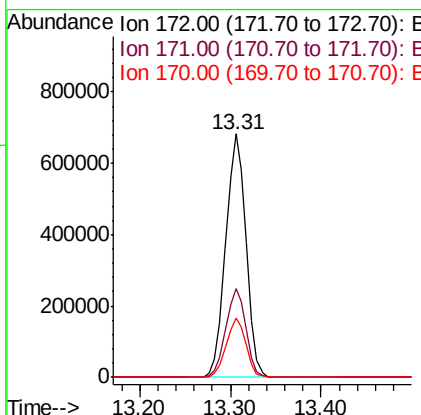
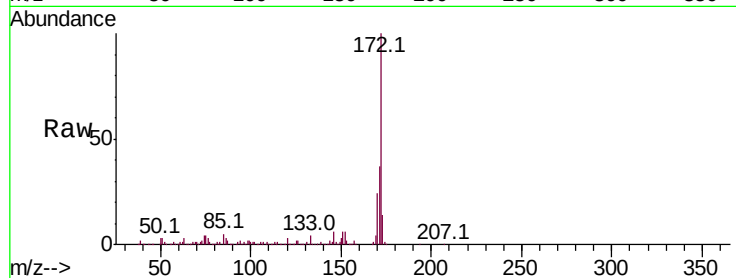




#45
2-Fluorobiphenyl
Concen: 87.078 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043057.D
Acq: 5 Oct 2019 16:10

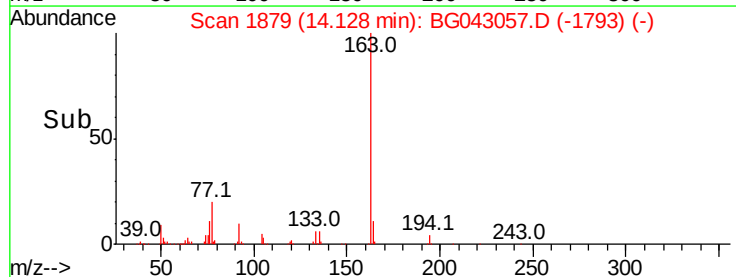
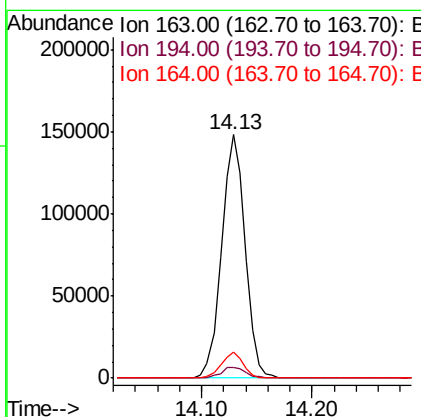
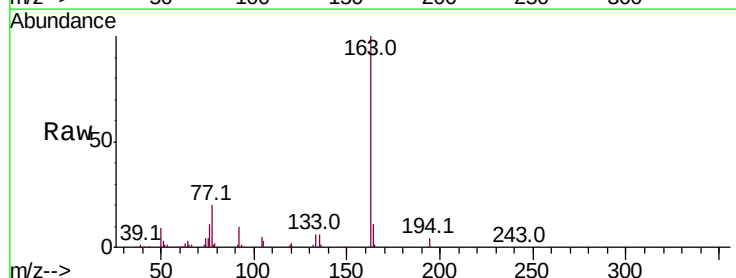
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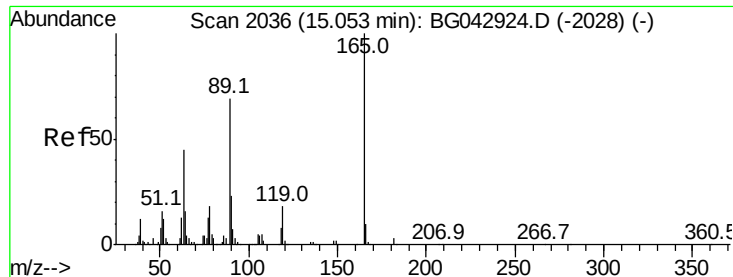
Tot Ion:172 Resp: 1059565
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.2 19.6 29.4



#50
Dimethylphthalate
Concen: 16.606 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.03 min
Lab File: BG043057.D
Acq: 5 Oct 2019 16:10

Tgt Ion:163 Resp: 219483
Ion Ratio Lower Upper
163 100
194 4.5 4.4 6.6
164 10.8 8.6 12.8





#57

2,4-Dinitrotoluene

Concen: 5.896 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.37 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

Instrument :

BNA_G

ClientSampleId :

20190880-COMPOSITE-L

Tot Ion:165 Resp: 24301

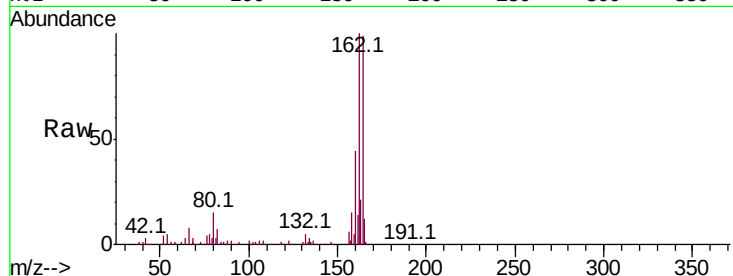
Ion Ratio Lower Upper

165 100

63 0.0 36.5 54.7#

89 3.6 55.5 83.3#

182 0.0 2.4 3.6#

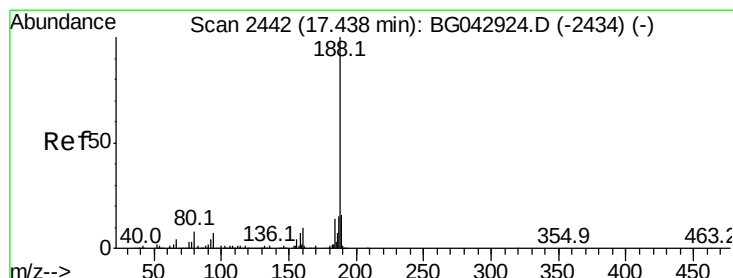
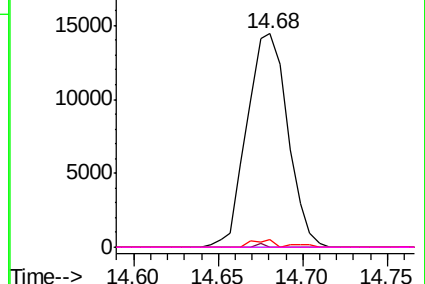
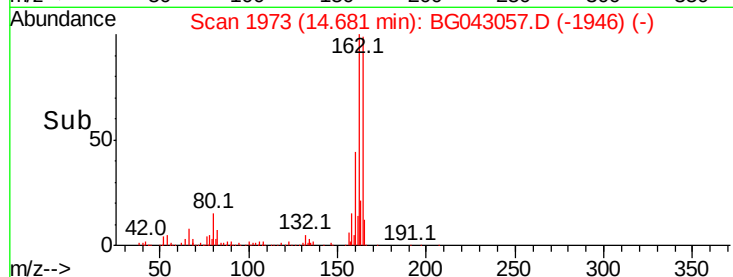


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

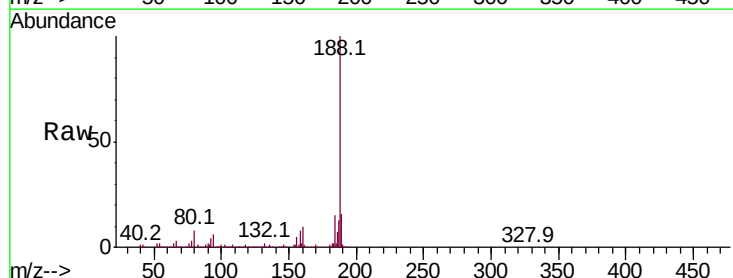
Tgt Ion:188 Resp: 418216

Ion Ratio Lower Upper

188 100

94 6.2 5.7 8.5

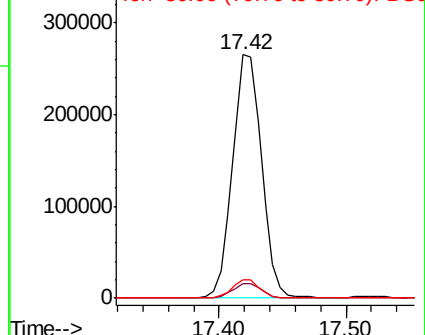
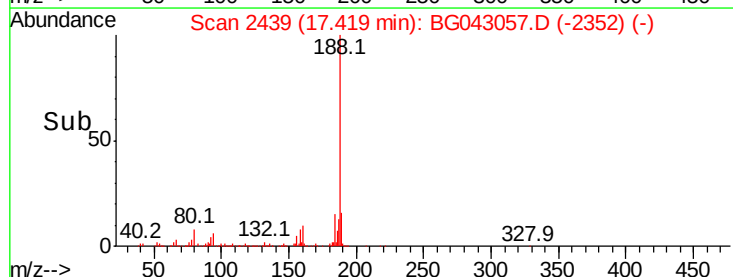
80 7.6 6.5 9.7

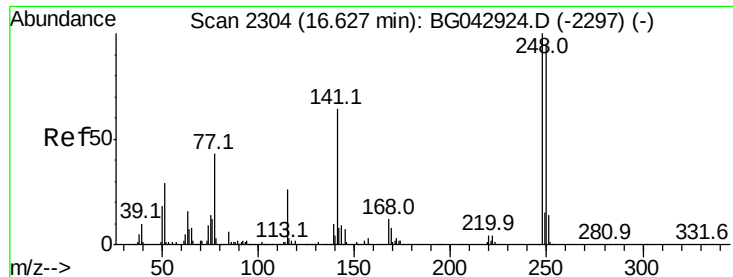


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

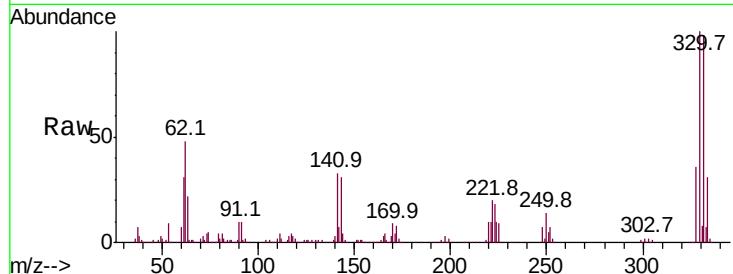




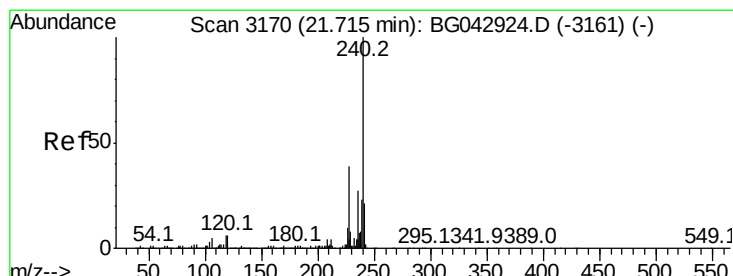
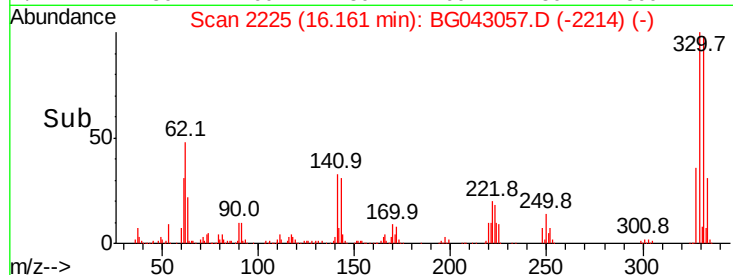
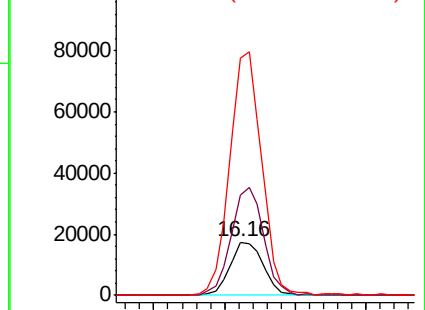
#67
 4-Bromophenyl-phenylether
 Concen: 5.435 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.47 min
 Lab File: BG043057.D
 Acq: 5 Oct 2019 16:10

Instrument :
 BNA_G
 ClientSampleId :
 20190880-COMPOSITE-L

Tot Ion:248 Resp: 28528
 Ion Ratio Lower Upper
 248 100
 250 186.8 75.8 113.8#
 141 443.7 51.1 76.7#

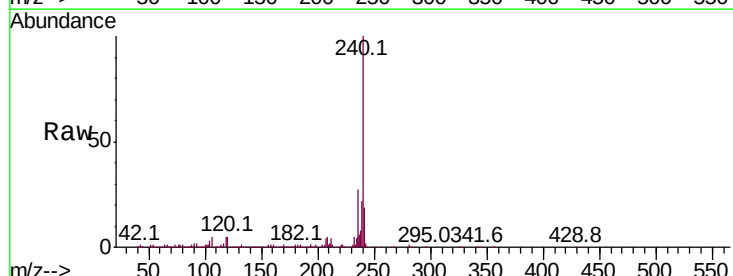


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

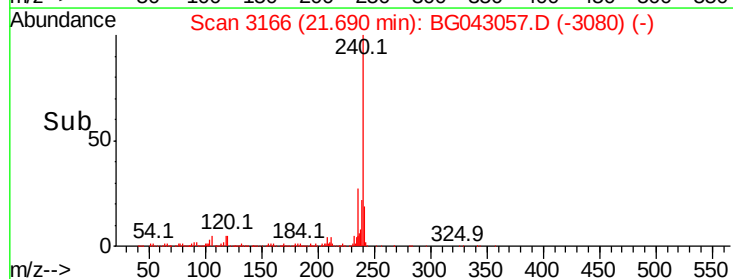
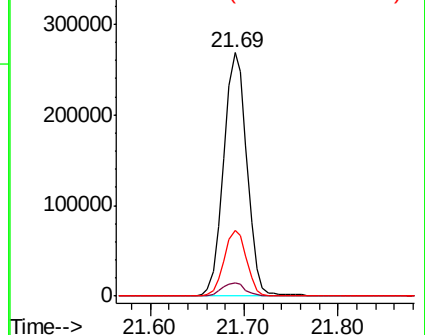


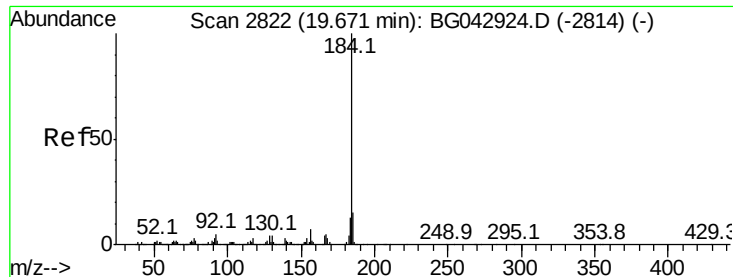
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.03 min
 Lab File: BG043057.D
 Acq: 5 Oct 2019 16:10

Tgt Ion:240 Resp: 464845
 Ion Ratio Lower Upper
 240 100
 120 5.3 4.8 7.2
 236 27.1 21.4 32.0



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: 2.921 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

Instrument :

BNA_G

ClientSampleId :

20190880-COMPOSITE-L

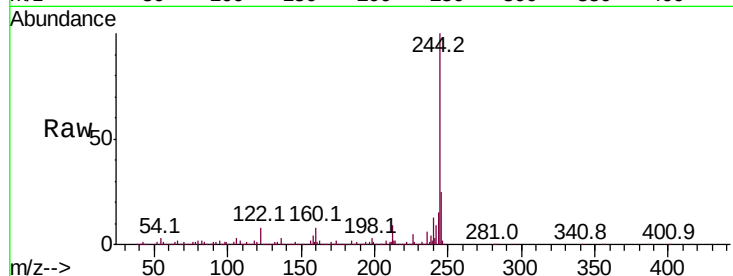
Tot Ion:184 Resp: 33996

Ion Ratio Lower Upper

184 100

185 16.6 11.8 17.8

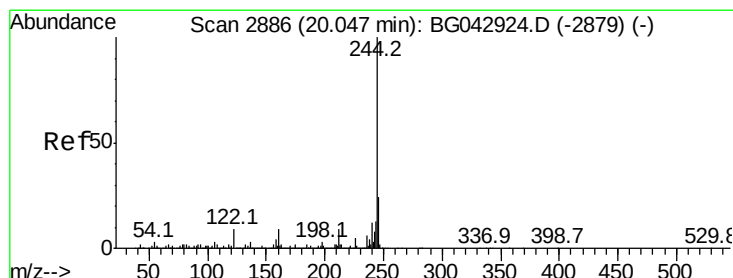
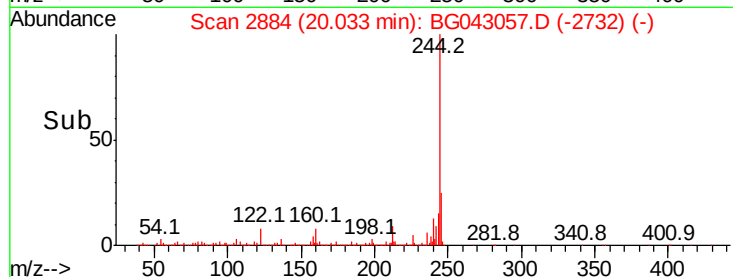
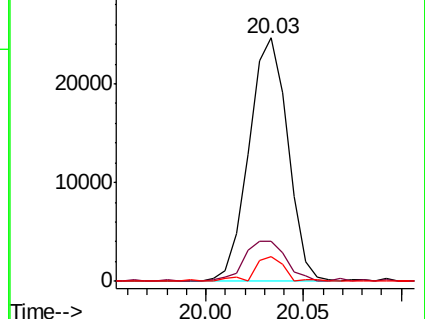
183 10.3 10.1 15.1



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: 94.561 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

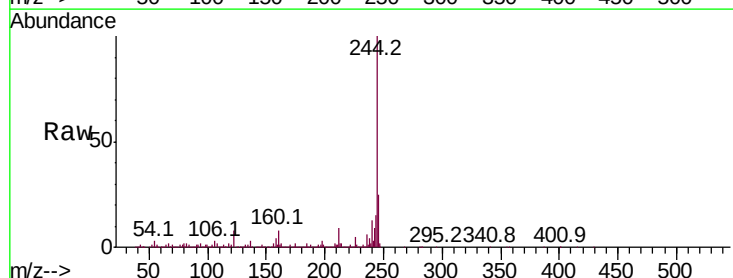
Tgt Ion:244 Resp: 2062813

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.0

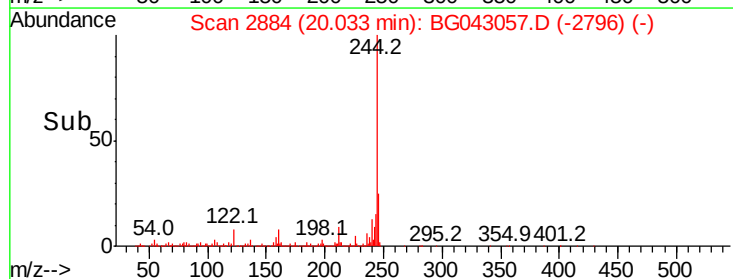
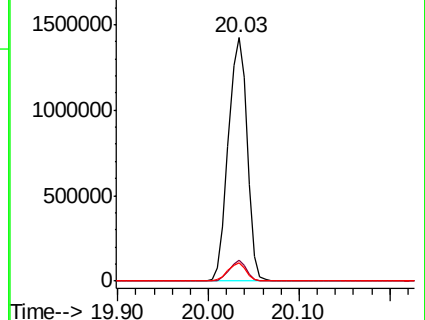
122 7.7 7.0 10.4

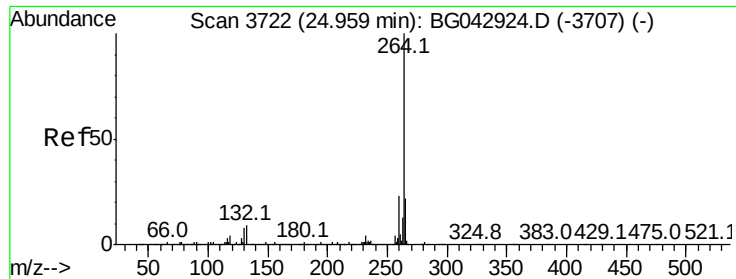


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.91 min Scan# 3714

Delta R.T. -0.05 min

Lab File: BG043057.D

Acq: 5 Oct 2019 16:10

Instrument :

BNA_G

ClientSampleId :

20190880-COMPOSITE-L

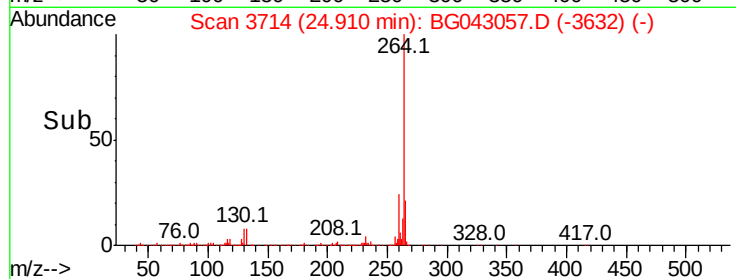
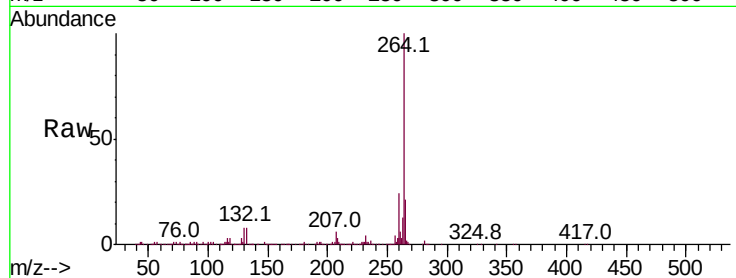
Tot Ion:264 Resp: 540908

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 21.2 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

250000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

200000

150000

100000

50000

0

24.80 24.90 25.00

Time-->