

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\
 Data File : BG043058.D
 Acq On : 5 Oct 2019 16:48
 Operator : JU
 Sample : K5193-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190881-COMPOSITE-M

Quant Time: Oct 06 23:54:32 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

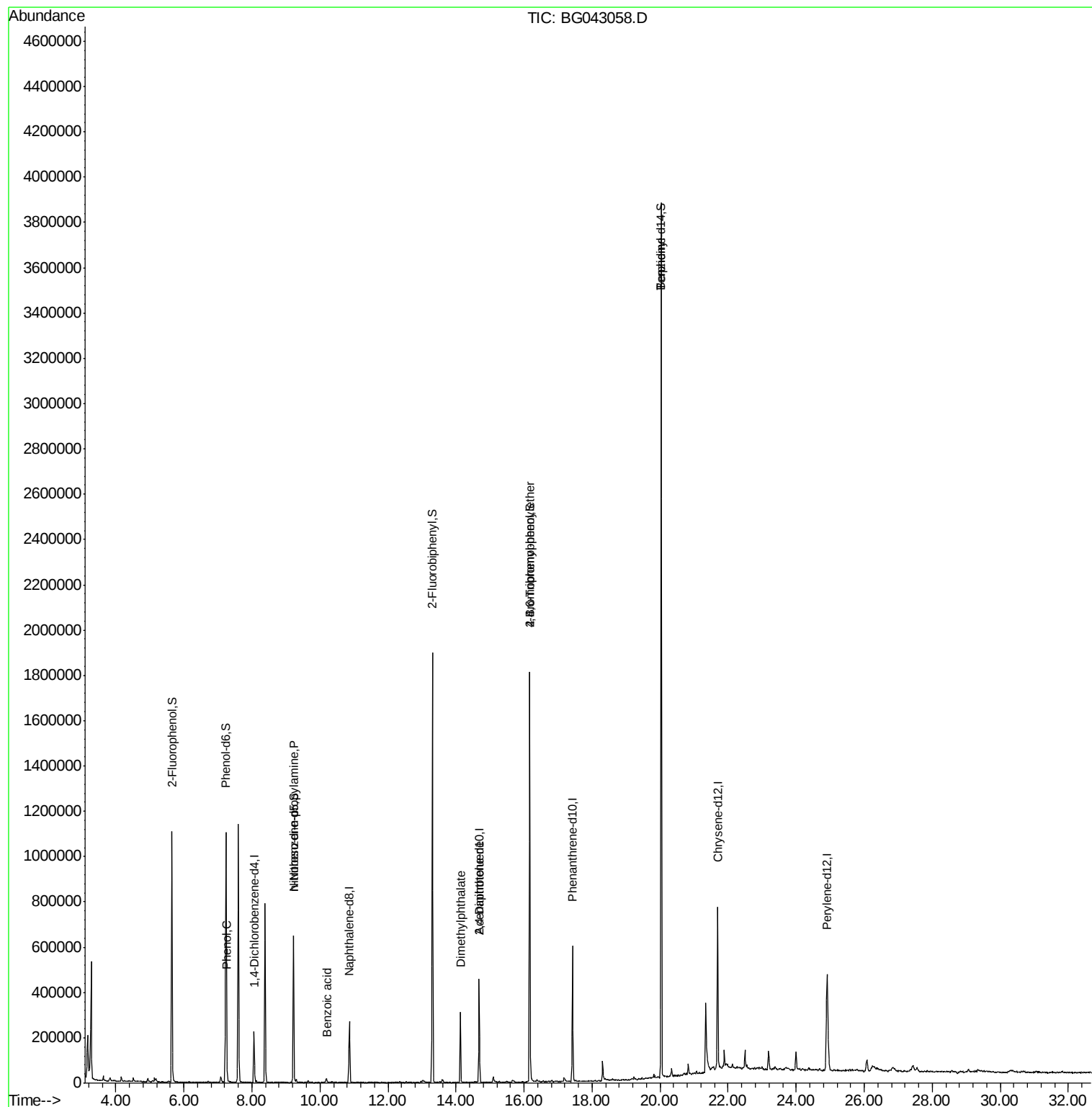
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	64165	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	238016	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	164313	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	386540	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	424103	20.00	ng	-0.02
87) Perylene-d12	24.91	264	501892	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	467682	130.08	ng	-0.01
7) Phenol-d6	7.24	99	643727	124.33	ng	0.00
23) Nitrobenzene-d5	9.22	82	401548	82.00	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	399012	141.22	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1008109	88.94	ng	-0.02
79) Terphenyl-d14	20.03	244	1920177	96.48	ng	-0.01
Target Compounds						
10) Phenol	7.26	94	36234	7.628	ng	96
19) n-Nitroso-di-n-propylamine	9.22	70	57382	16.878	ng	# 73
32) Benzoic acid	10.23	122	80	2.835	ng	90
50) Dimethylphthalate	14.13	163	196982	16.000	ng	98
57) 2,4-Dinitrotoluene	14.68	165	22181	5.777	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	26309	5.423	ng	# 1
77) Benzidine	20.03	184	31125	2.931	ng	# 92

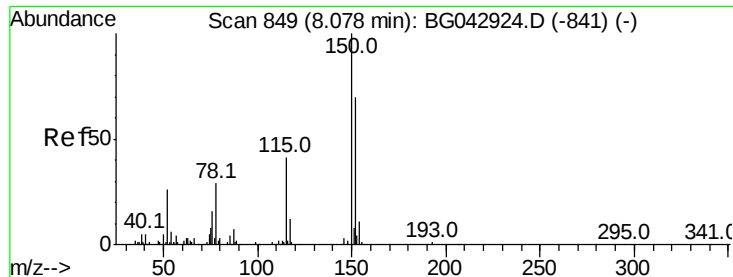
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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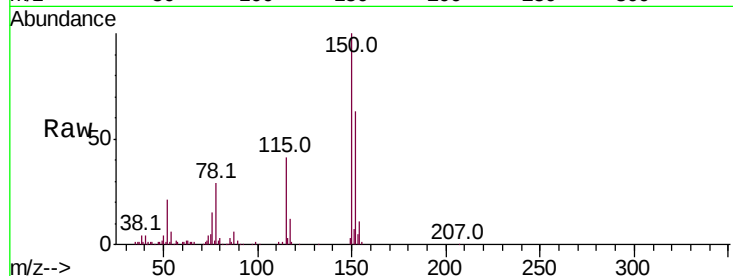


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043058.D
Acq: 5 Oct 2019 16:48

Instrument :
BNA_G
ClientSampleId :
20190881-COMPOSITE-M

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	115.0	172.4
115	65.2	47.0	70.6

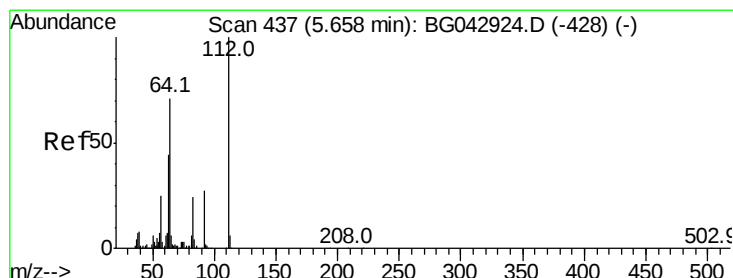
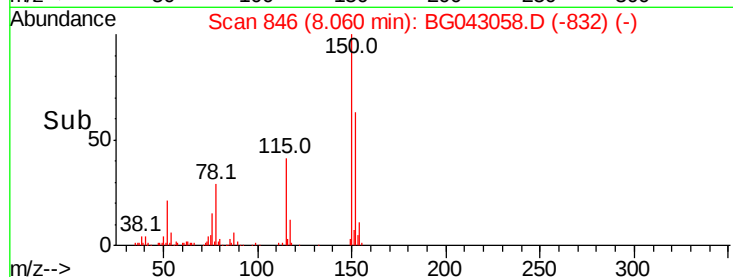
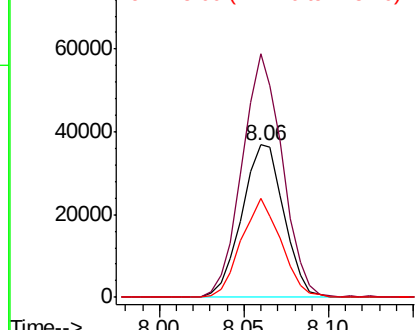


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

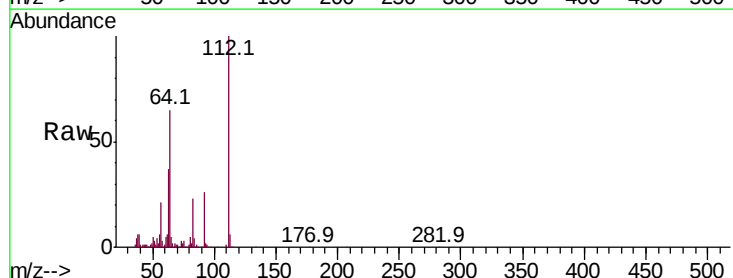
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 130.076 ng
RT: 5.64 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG043058.D
Acq: 5 Oct 2019 16:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	56.6	84.8
63	37.5	35.1	52.7

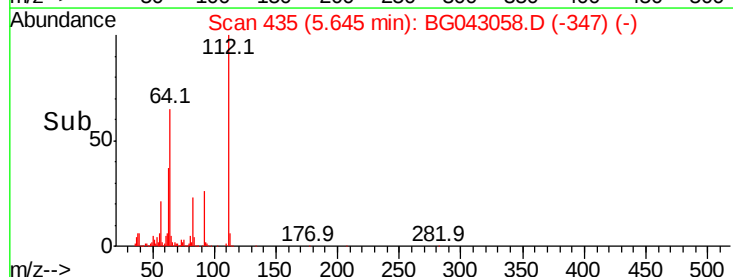
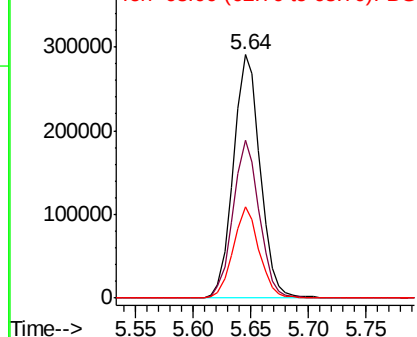


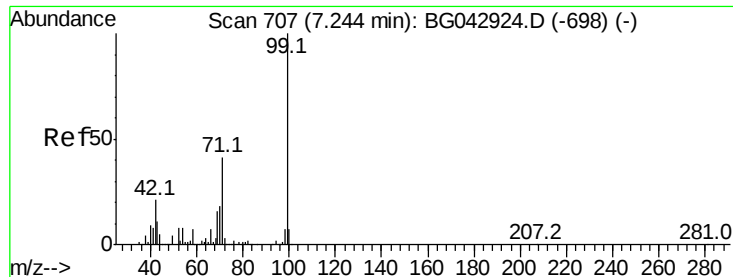
Abundance

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: 124.328 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

Instrument :

BNA_G

ClientSampleId :

20190881-COMPOSITE-M

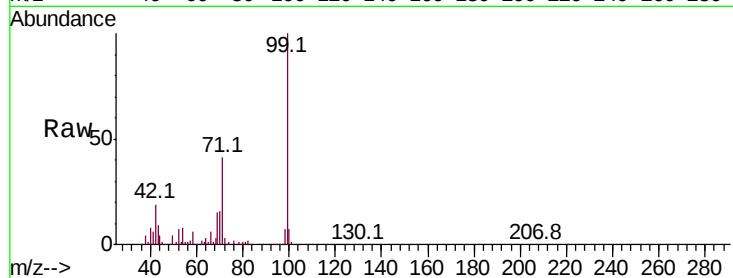
Tot Ion: 99 Resp: 643727

Ion Ratio Lower Upper

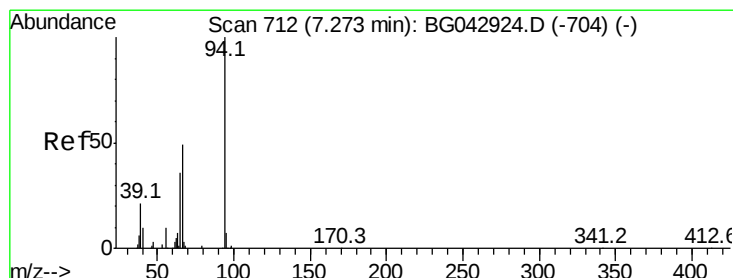
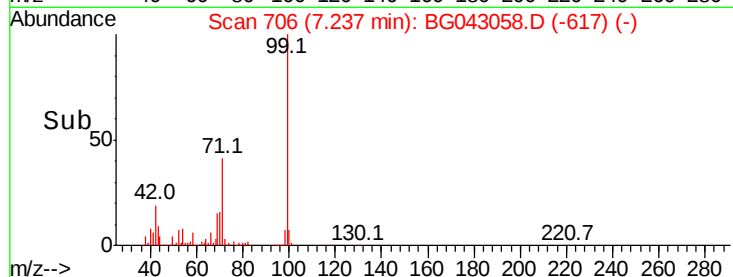
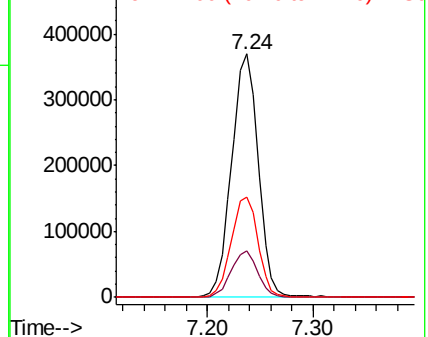
99 100

42 19.0 17.2 25.8

71 41.3 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: 7.628 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

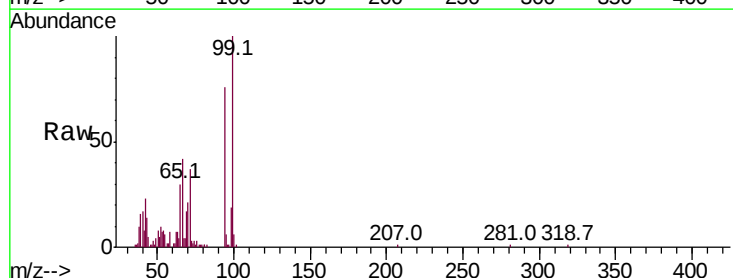
Tgt Ion: 94 Resp: 36234

Ion Ratio Lower Upper

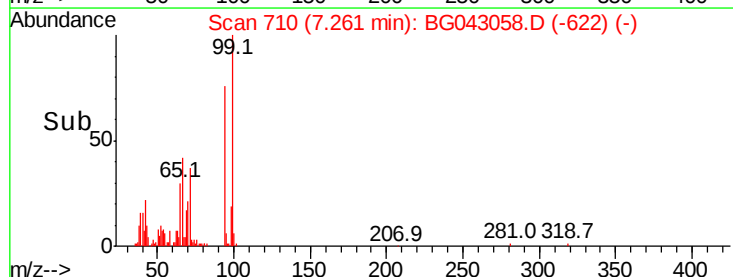
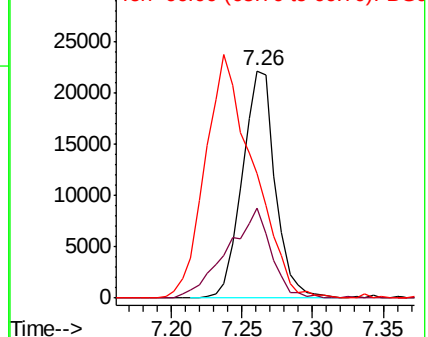
94 100

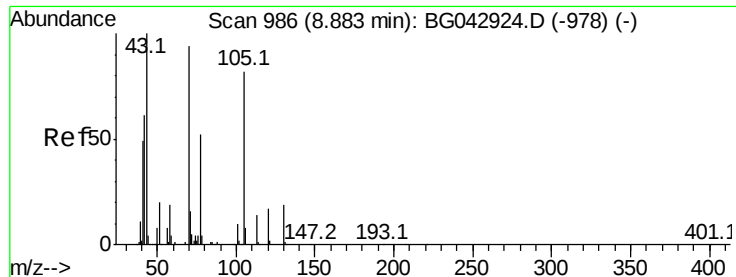
65 39.4 16.6 56.6

66 55.0 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

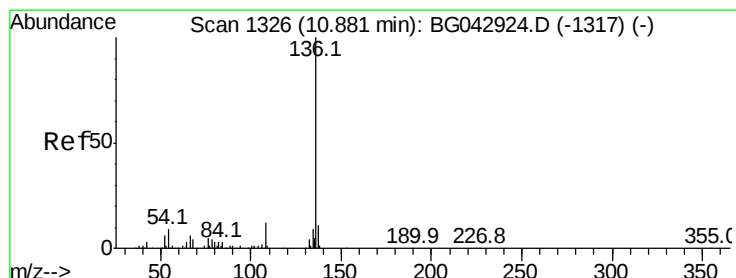
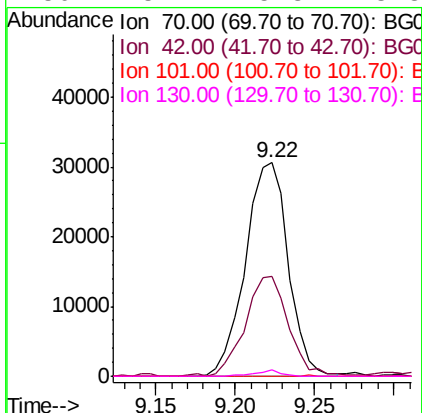
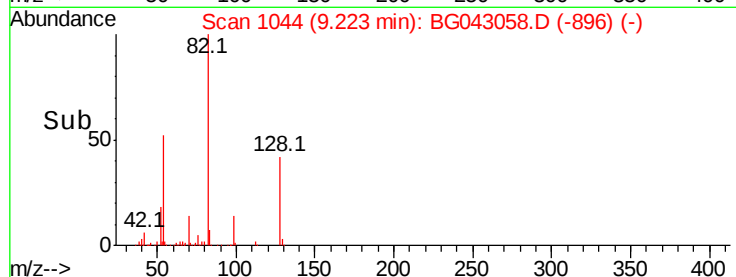
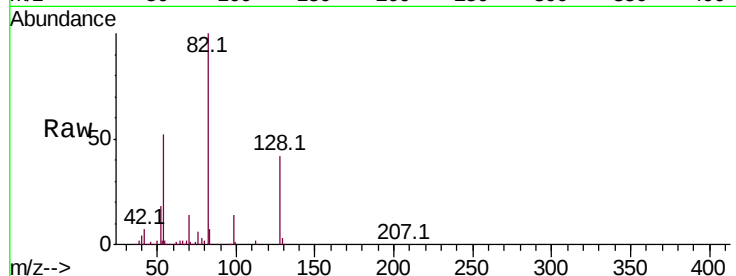




#19
n-Nitroso-di-n-propylamine
Concen: 16.878 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG043058.D
Acq: 5 Oct 2019 16:48

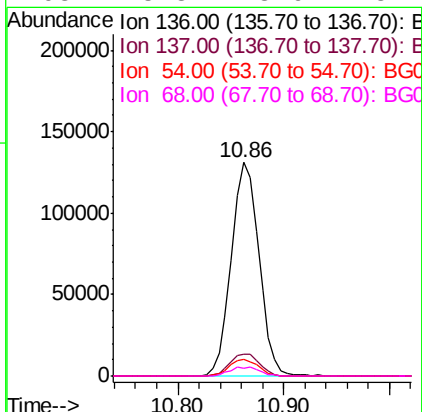
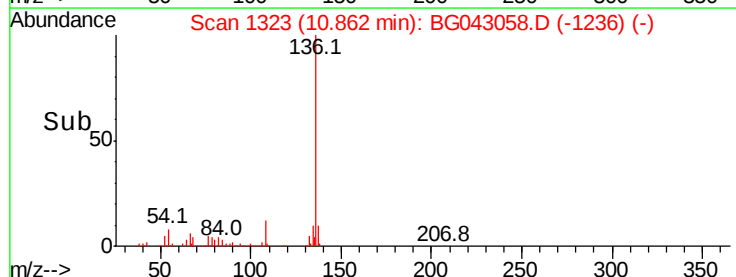
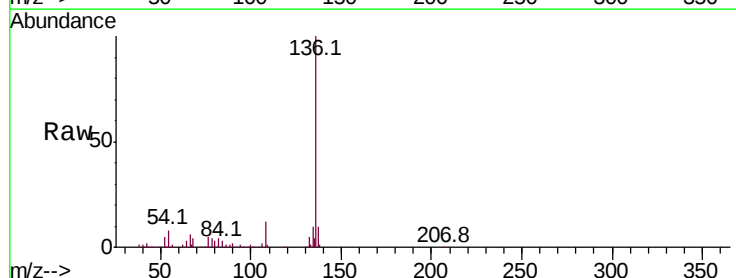
Instrument :
BNA_G
ClientSampleId :
20190881-COMPOSITE-M

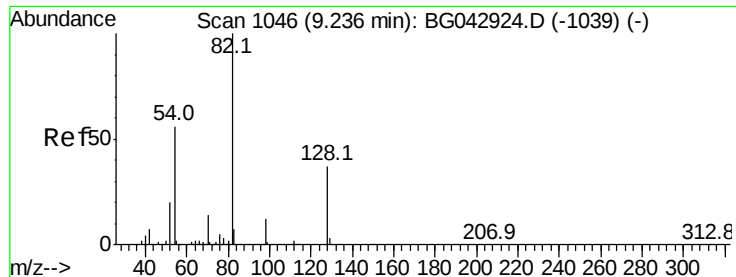
Tot Ion: 70 Resp: 57382
Ion Ratio Lower Upper
70 100
42 46.6 52.6 79.0#
101 0.0 8.7 13.1#
130 3.2 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043058.D
Acq: 5 Oct 2019 16:48

Tgt Ion: 136 Resp: 238016
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 7.9 7.4 11.2
68 3.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 82.000 ng

RT: 9.22 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

Instrument :

BNA_G

ClientSampleId :

20190881-COMPOSITE-M

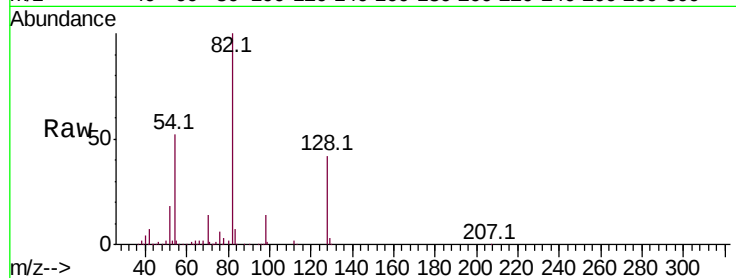
Tot Ion: 82 Resp: 401548

Ion Ratio Lower Upper

82 100

128 42.3 29.5 44.3

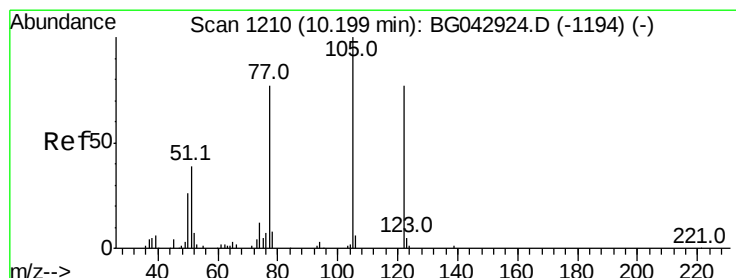
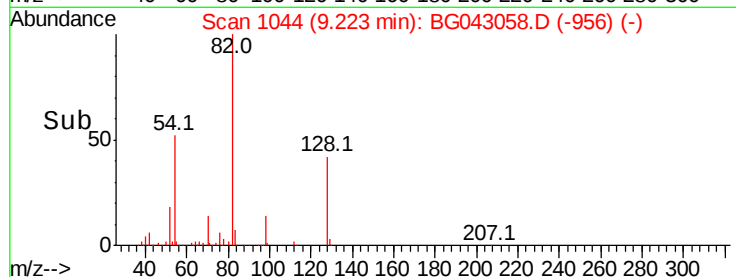
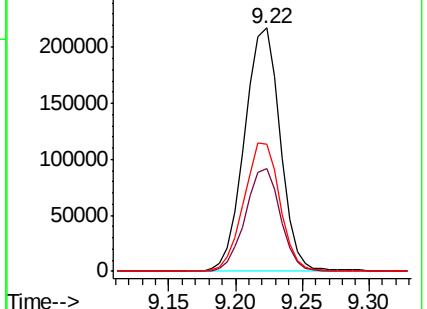
54 52.4 44.6 67.0



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



#32

Benzoic acid

Concen: 2.835 ng

RT: 10.23 min Scan# 1215

Delta R.T. 0.03 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

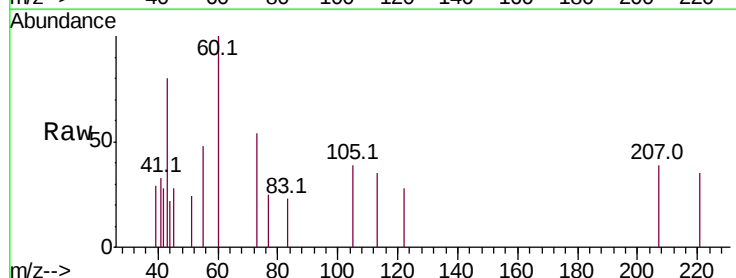
Tgt Ion: 122 Resp: 80

Ion Ratio Lower Upper

122 100

105 137.3 107.5 147.5

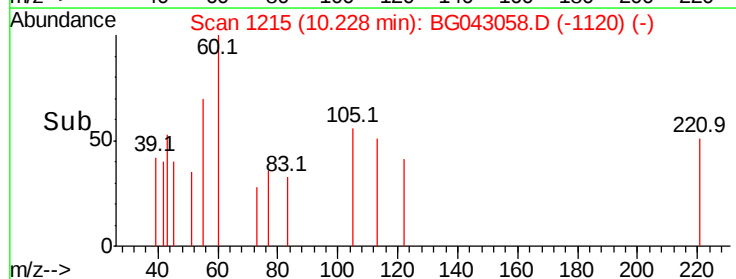
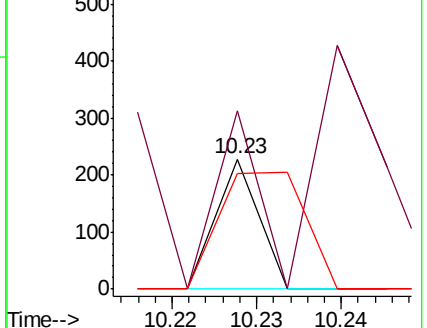
77 88.6 79.8 119.8

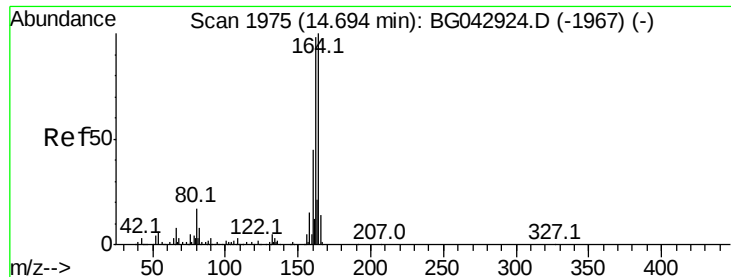


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

Instrument :

BNA_G

ClientSampleId :

20190881-COMPOSITE-M

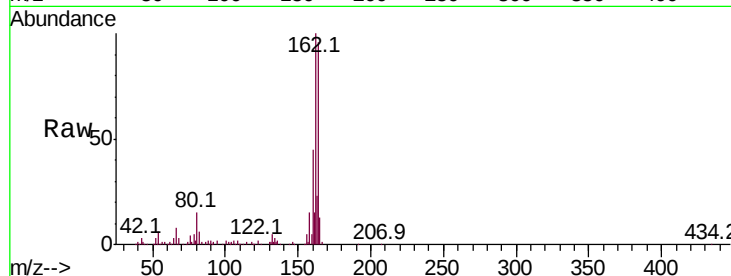
Tot Ion:164 Resp: 164313

Ion Ratio Lower Upper

164 100

162 104.7 78.5 117.7

160 47.0 35.9 53.9



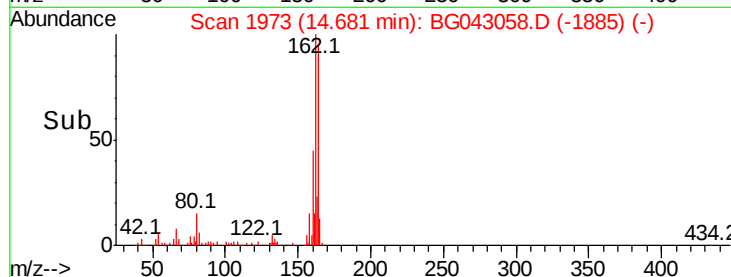
Abundance

Ion 164.00 (163.70 to 164.70): E

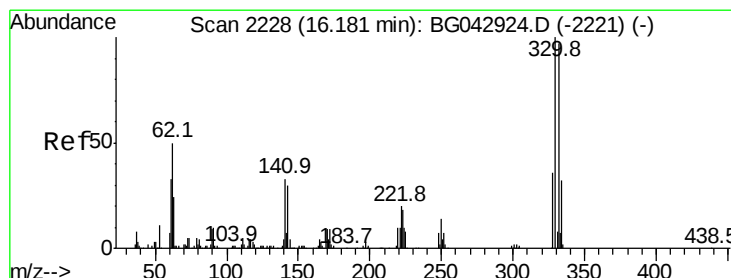
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.68



Time-->



#42

2,4,6-Tribromophenol

Concen: 141.220 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

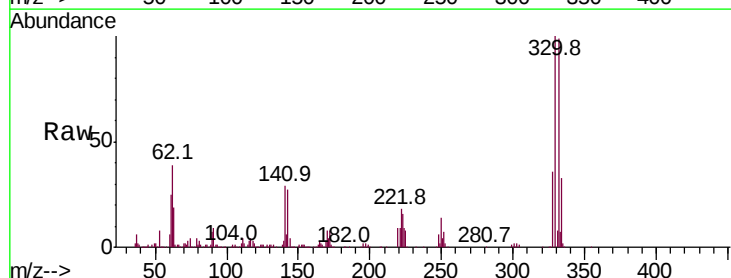
Tgt Ion:330 Resp: 399012

Ion Ratio Lower Upper

330 100

332 96.8 78.2 117.2

141 29.5 26.0 39.0



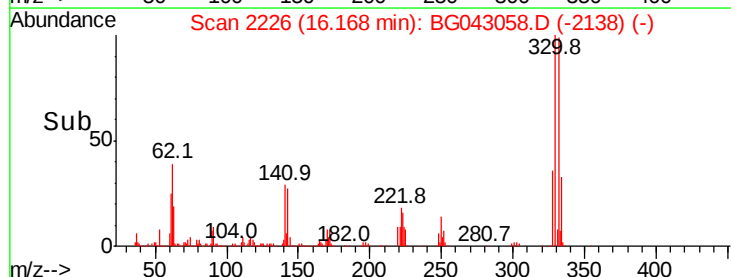
Abundance

Ion 329.80 (329.50 to 330.50): E

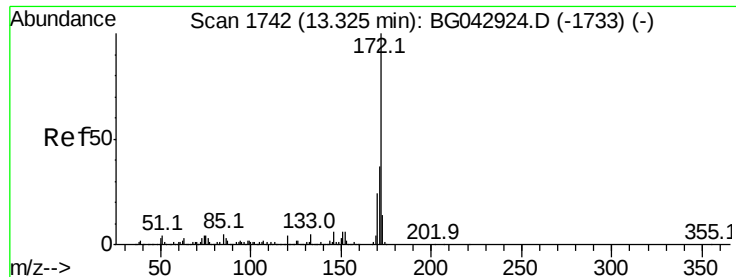
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

16.17



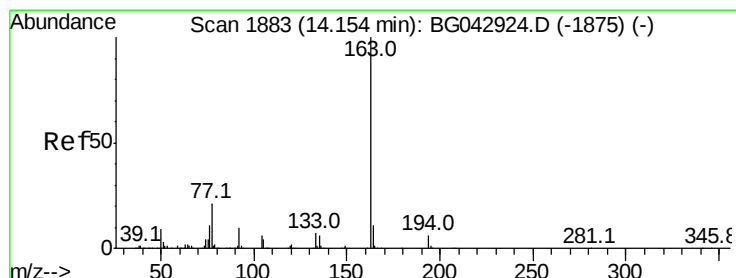
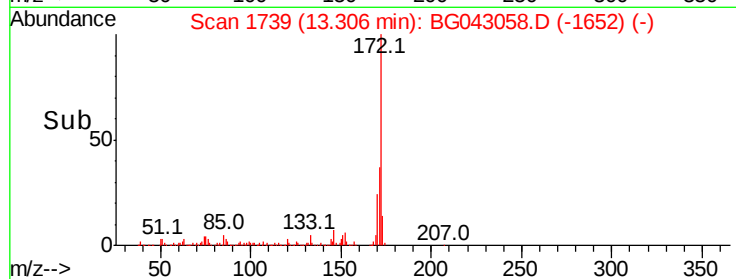
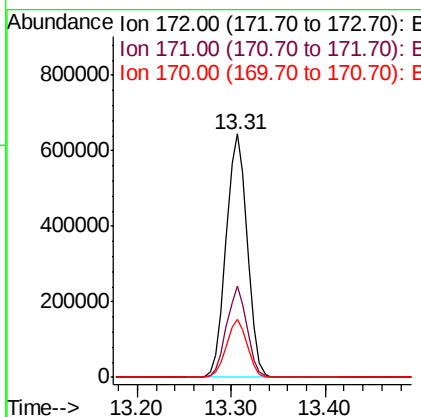
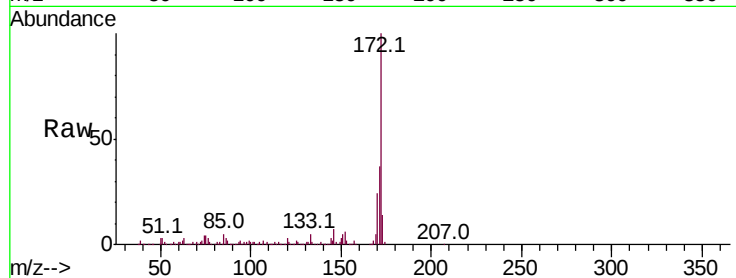
Time-->



#45
2-Fluorobiphenyl
Concen: 88.943 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043058.D
Acq: 5 Oct 2019 16:48

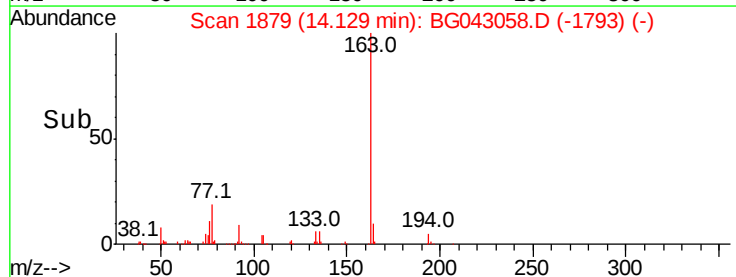
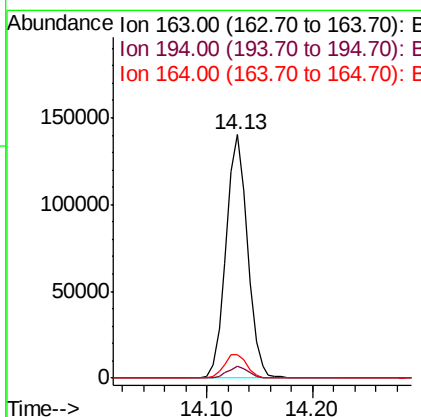
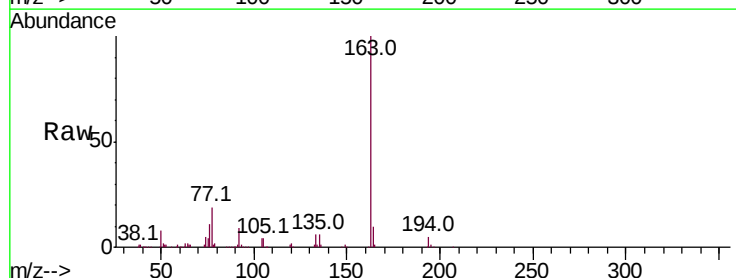
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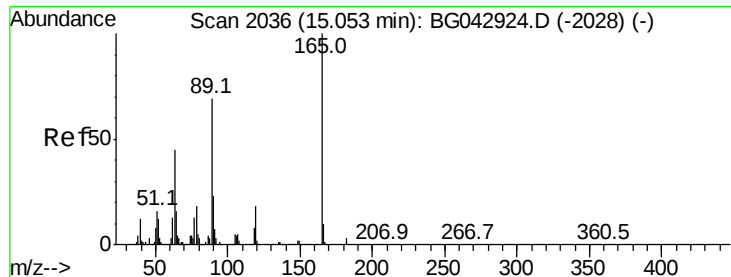
Tot Ion:172 Resp: 1008109
Ion Ratio Lower Upper
172 100
171 37.3 29.6 44.4
170 23.8 19.6 29.4



#50
Dimethylphthalate
Concen: 16.000 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG043058.D
Acq: 5 Oct 2019 16:48

Tgt Ion:163 Resp: 196982
Ion Ratio Lower Upper
163 100
194 5.0 4.4 6.6
164 9.9 8.6 12.8





#57

2,4-Dinitrotoluene

Concen: 5.777 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.37 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

Instrument :

BNA_G

ClientSampleId :

20190881-COMPOSITE-M

Tot Ion:165 Resp: 22181

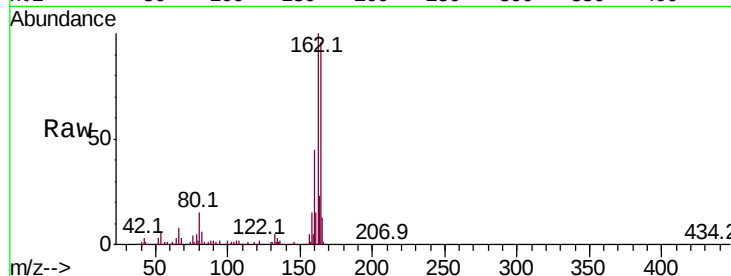
Ion Ratio Lower Upper

165 100

63 1.5 36.5 54.7#

89 2.5 55.5 83.3#

182 0.0 2.4 3.6#

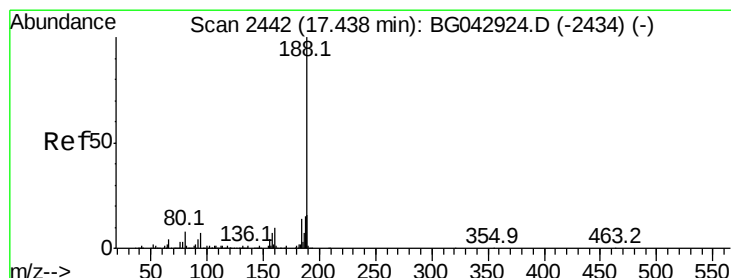
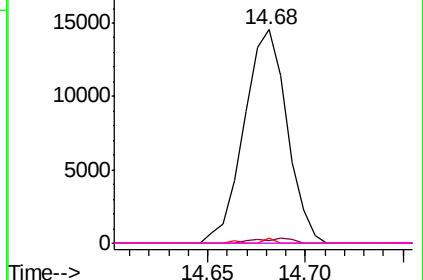
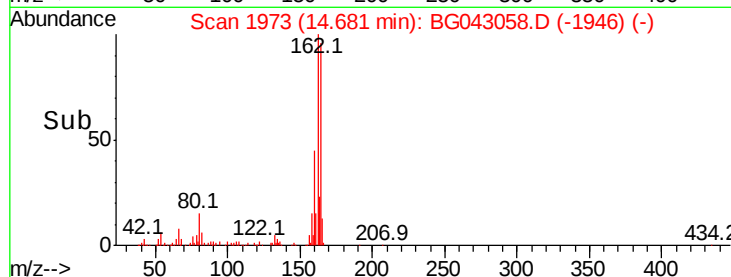


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

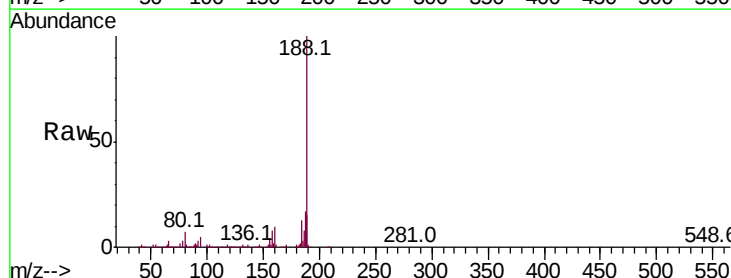
Tgt Ion:188 Resp: 386540

Ion Ratio Lower Upper

188 100

94 5.2 5.7 8.5#

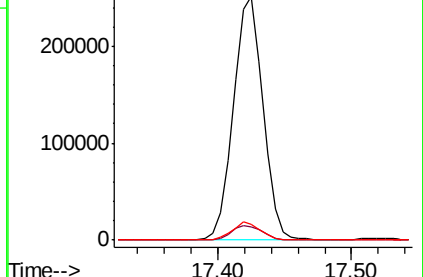
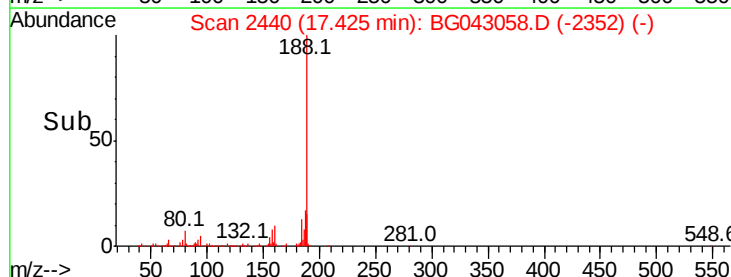
80 6.7 6.5 9.7

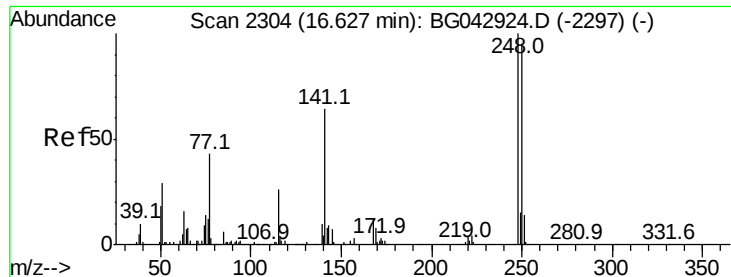


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

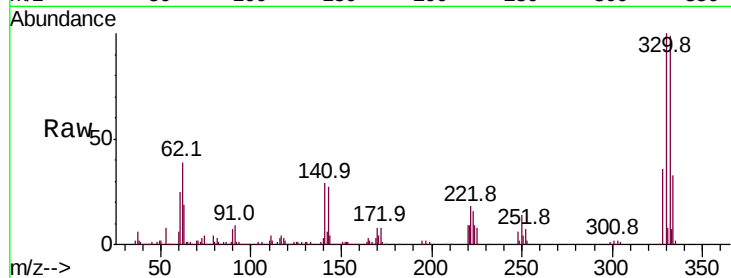




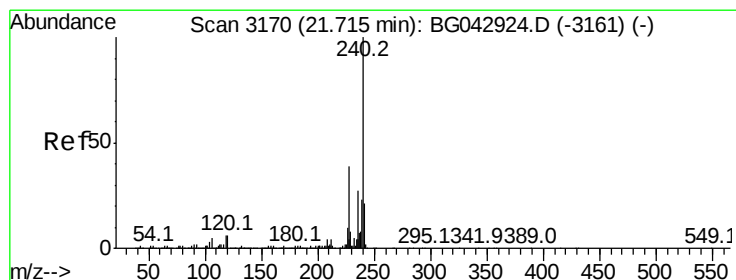
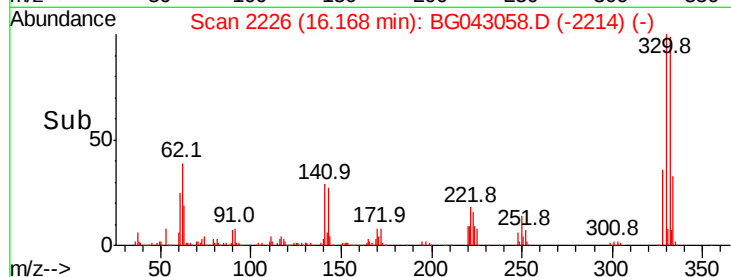
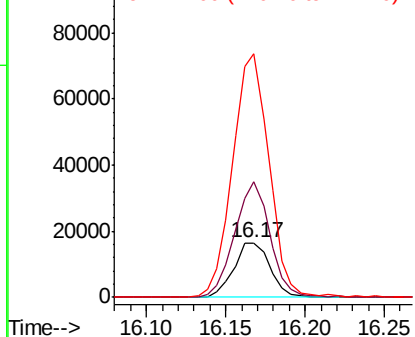
#67
 4-Bromophenyl-phenylether
 Concen: 5.423 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG043058.D
 Acq: 5 Oct 2019 16:48

Instrument :
 BNA_G
 ClientSampleId :
 20190881-COMPOSITE-M

Tot Ion:248 Resp: 26309
 Ion Ratio Lower Upper
 248 100
 250 212.1 75.8 113.8#
 141 446.0 51.1 76.7#

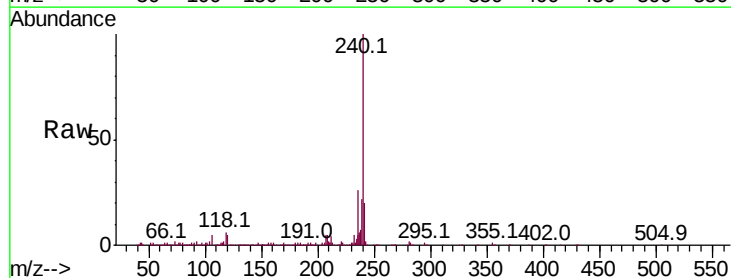


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

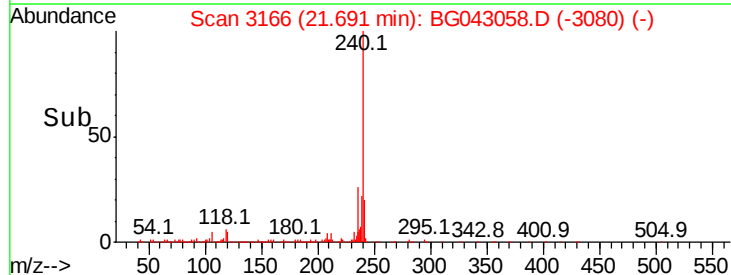
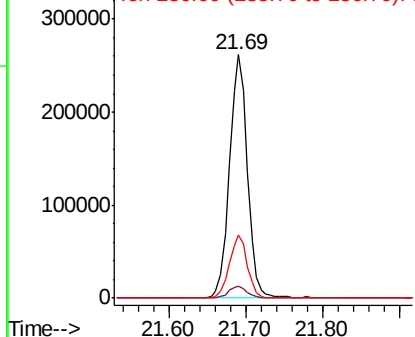


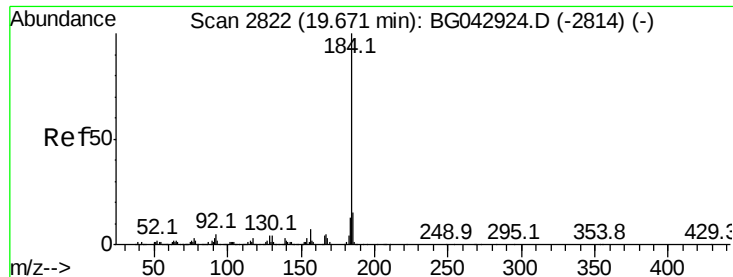
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.02 min
 Lab File: BG043058.D
 Acq: 5 Oct 2019 16:48

Tgt Ion:240 Resp: 424103
 Ion Ratio Lower Upper
 240 100
 120 4.8 4.8 7.2
 236 26.2 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: 2.931 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

Instrument :

BNA_G

ClientSampleId :

20190881-COMPOSITE-M

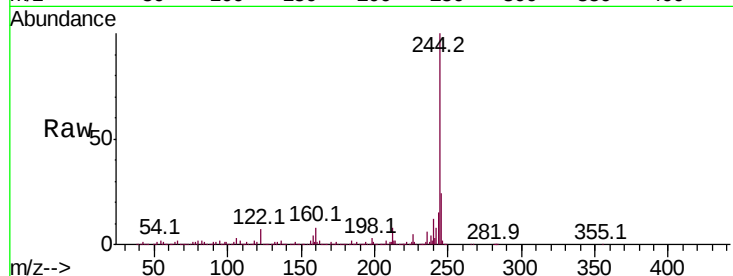
Tot Ion:184 Resp: 31125

Ion Ratio Lower Upper

184 100

185 17.2 11.8 17.8

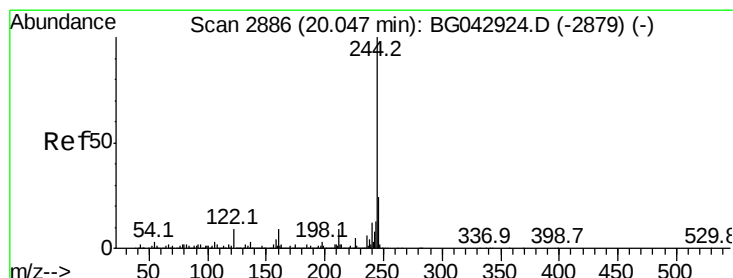
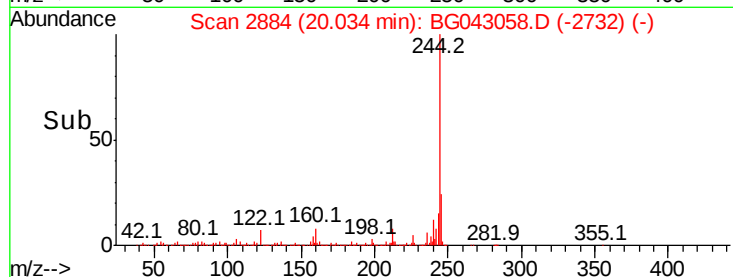
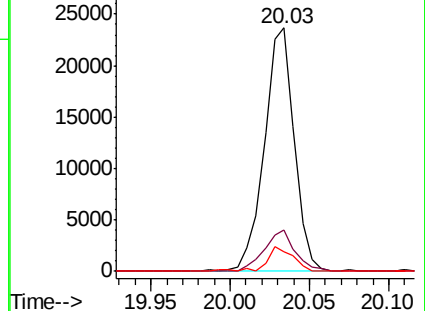
183 8.1 10.1 15.1#



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: 96.478 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043058.D

Acq: 5 Oct 2019 16:48

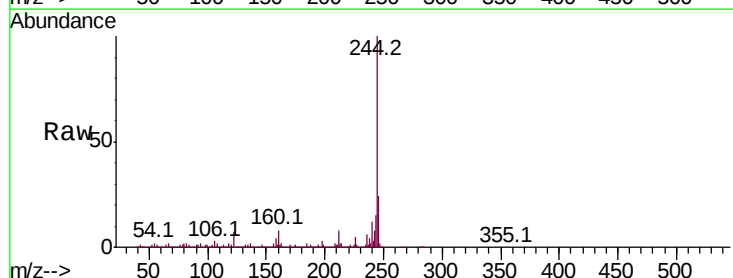
Tgt Ion:244 Resp: 1920177

Ion Ratio Lower Upper

244 100

212 8.4 7.4 11.0

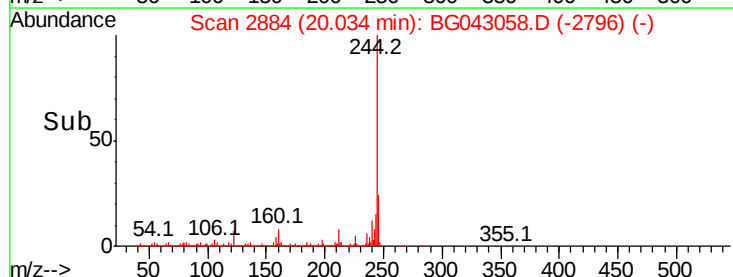
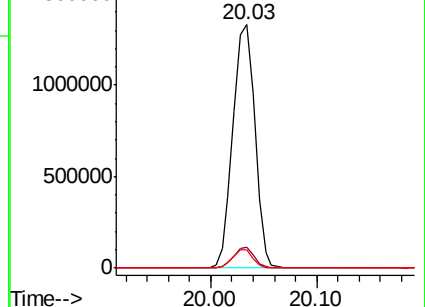
122 7.4 7.0 10.4

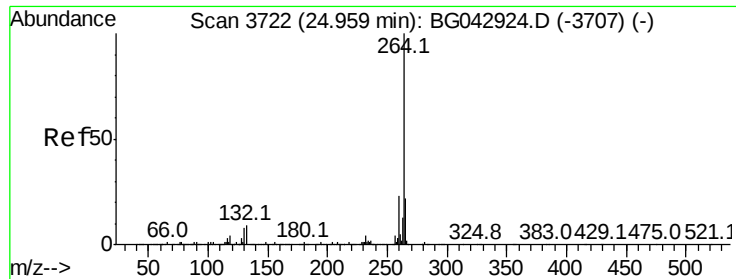


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

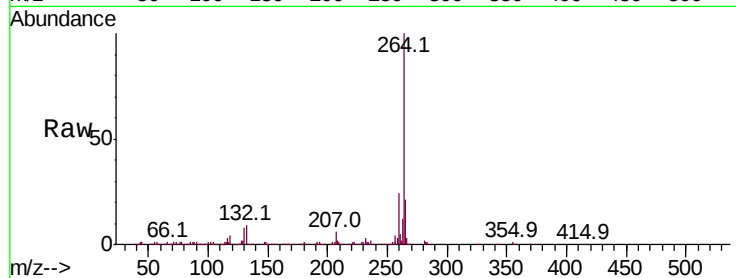




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3714
Delta R.T. -0.05 min
Lab File: BG043058.D
Acq: 5 Oct 2019 16:48

Instrument :
BNA_G
ClientSampleId :
20190881-COMPOSITE-M

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.3	17.7	26.5



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

