

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\
 Data File : BG043059.D
 Acq On : 5 Oct 2019 17:26
 Operator : JU
 Sample : K5193-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190882-COMPOSITE-N

Quant Time: Oct 06 23:54:40 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

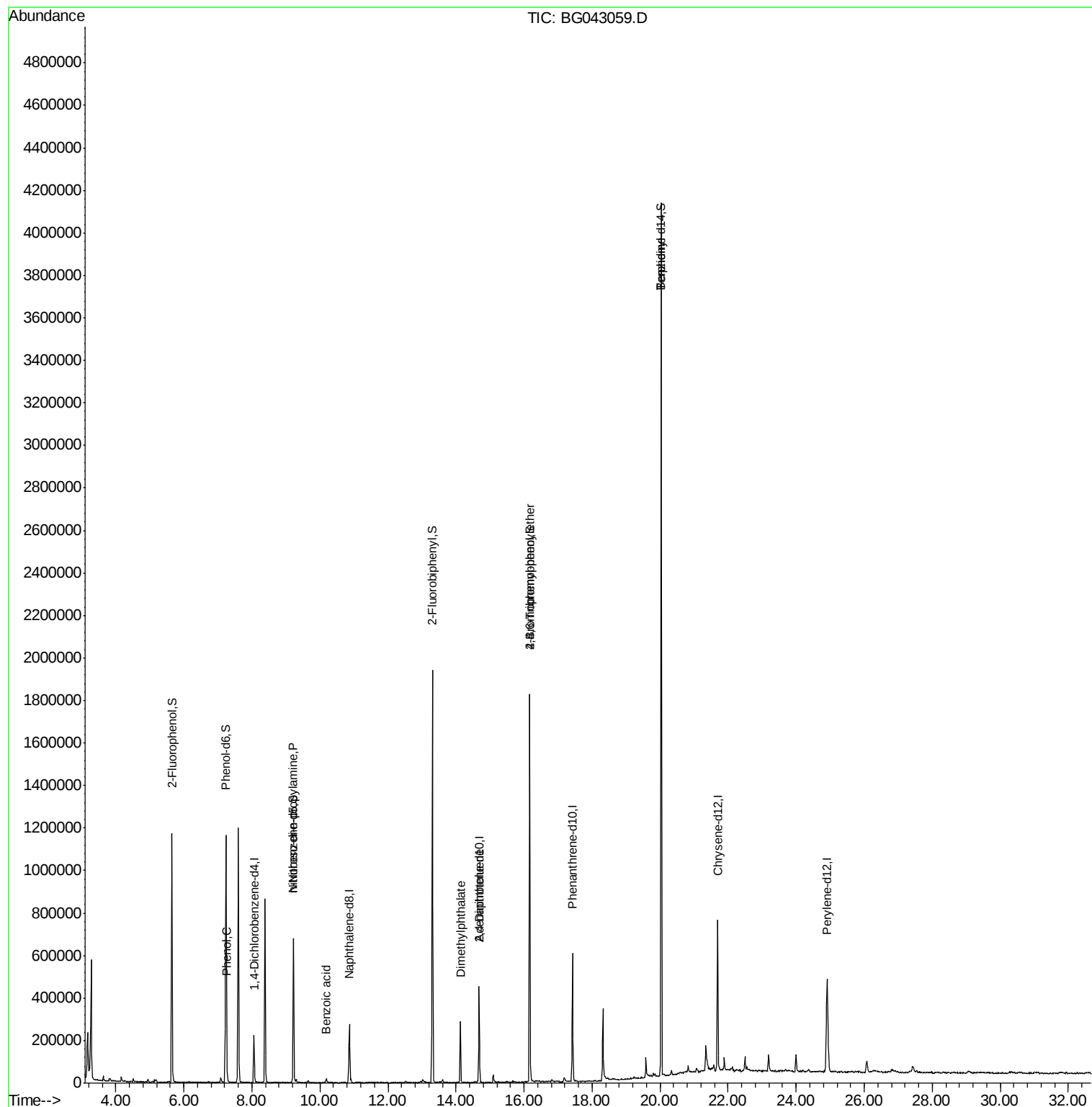
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	65832	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	238370	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	168689	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	394663	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	434065	20.00	ng	-0.02
87) Perylene-d12	24.91	264	514255	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	491434	133.22	ng	-0.01
7) Phenol-d6	7.24	99	682845	128.54	ng	0.00
23) Nitrobenzene-d5	9.22	82	428041	87.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	414713	142.97	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1050491	90.28	ng	-0.02
79) Terphenyl-d14	20.03	244	1978371	97.12	ng	-0.01
Target Compounds						
10) Phenol	7.26	94	36423	7.473	ng	95
19) n-Nitroso-di-n-propylamine	9.22	70	58345	16.727	ng	# 75
32) Benzoic acid	10.19	122	866	3.196	ng	# 57
50) Dimethylphthalate	14.13	163	194198	15.365	ng	# 96
57) 2,4-Dinitrotoluene	14.68	165	21890	5.554	ng	# 27
67) 4-Bromophenyl-phenylether	16.17	248	27821	5.617	ng	# 1
77) Benzidine	20.03	184	31680	2.915	ng	# 91

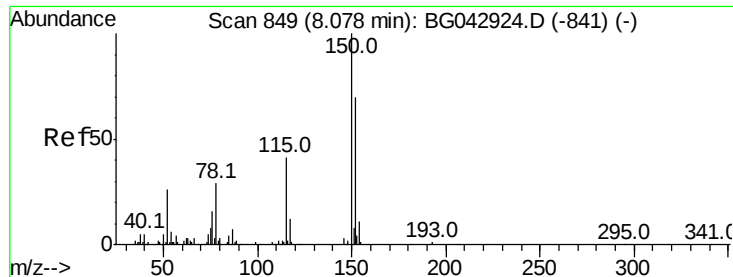
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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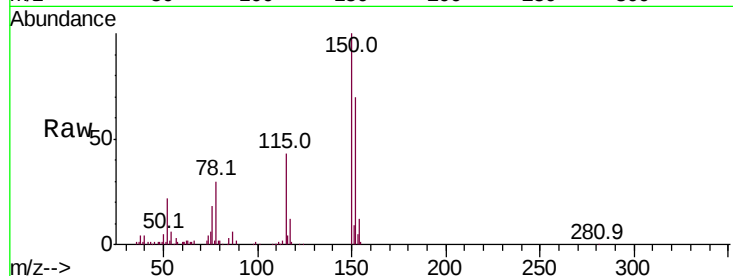


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

Instrument :
BNA_G
ClientSampleId :
20190882-COMPOSITE-N

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.6	115.0	172.4
115	61.6	47.0	70.6

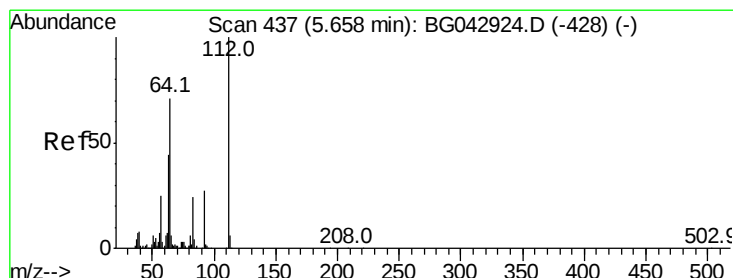
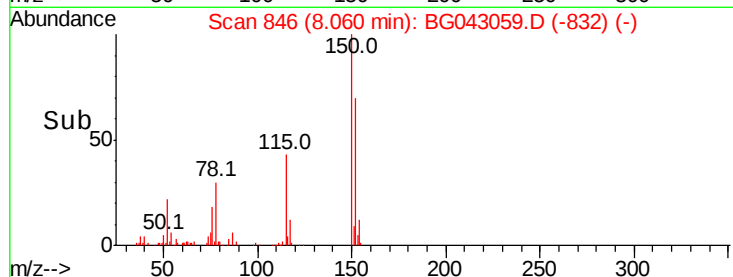
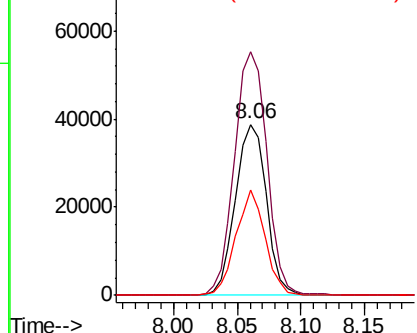


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

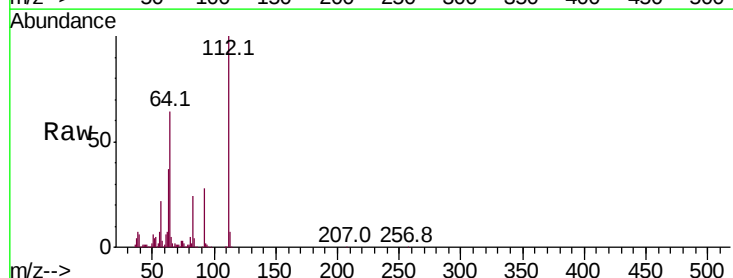
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 133.221 ng
RT: 5.65 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	56.6	84.8
63	37.0	35.1	52.7

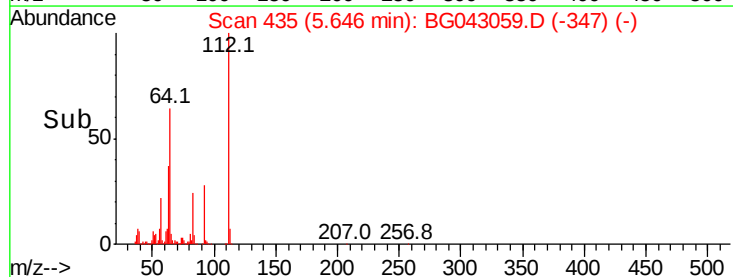
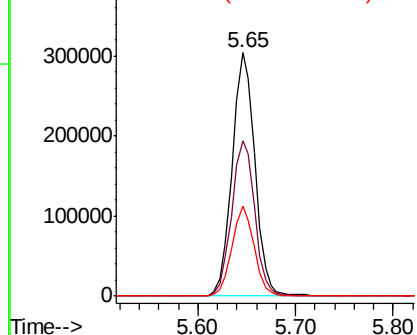


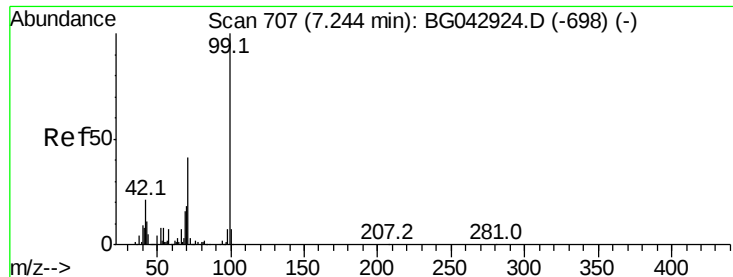
Abundance

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: 128.544 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043059.D

Acq: 5 Oct 2019 17:26

Instrument :

BNA_G

ClientSampleId :

20190882-COMPOSITE-N

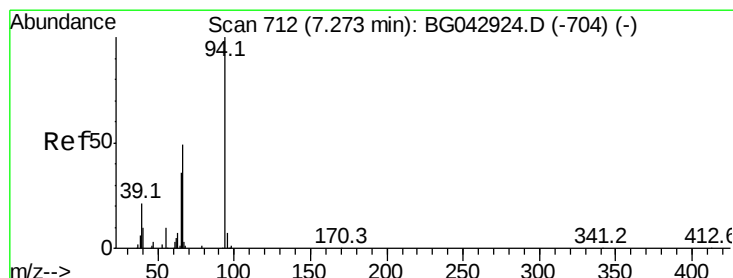
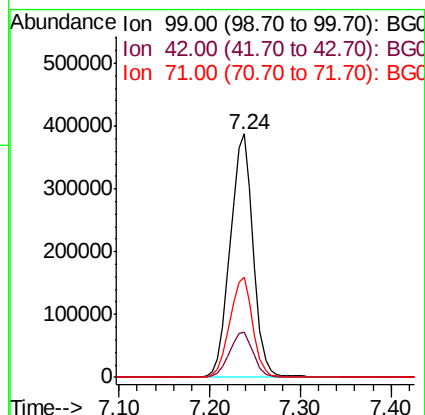
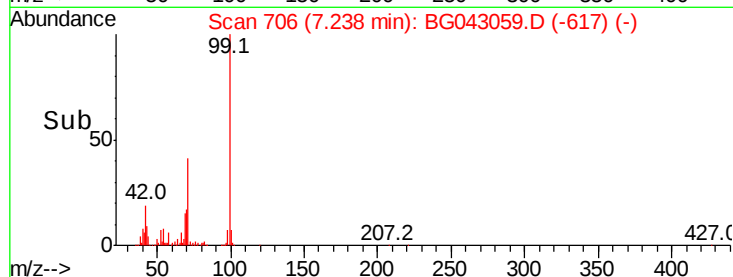
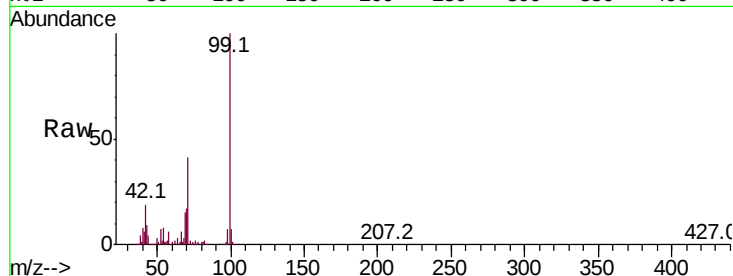
Tot Ion: 99 Resp: 682845

Ion Ratio Lower Upper

99 100

42 18.8 17.2 25.8

71 41.3 33.1 49.7



#10

Phenol

Concen: 7.473 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG043059.D

Acq: 5 Oct 2019 17:26

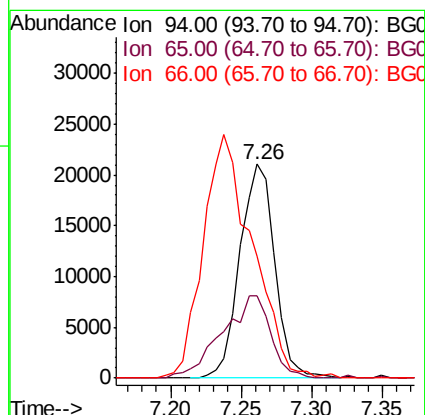
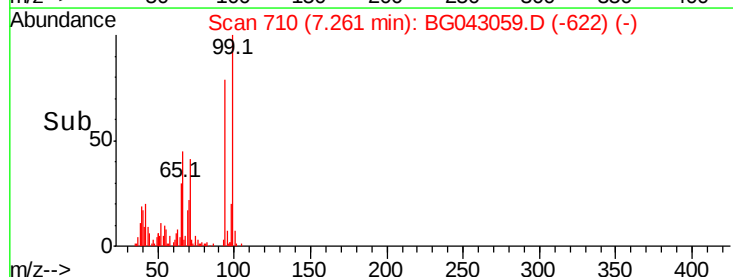
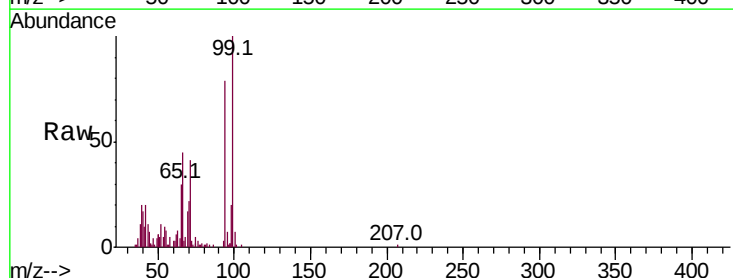
Tgt Ion: 94 Resp: 36423

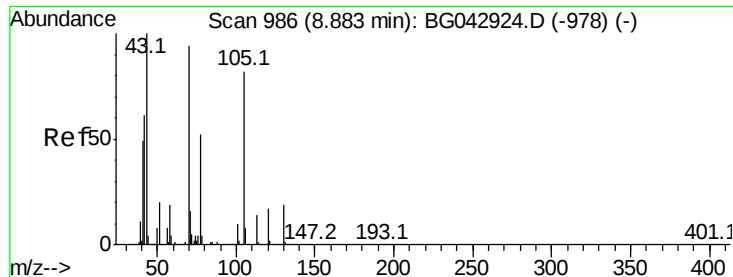
Ion Ratio Lower Upper

94 100

65 38.2 16.6 56.6

66 57.2 32.4 72.4

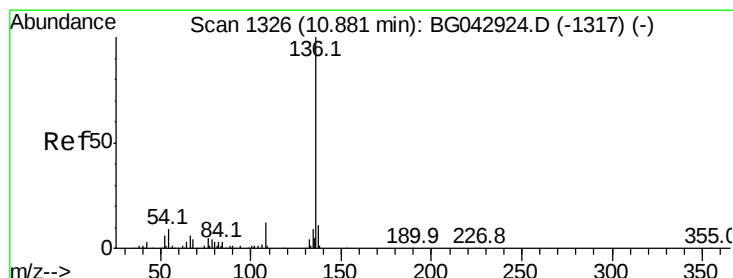
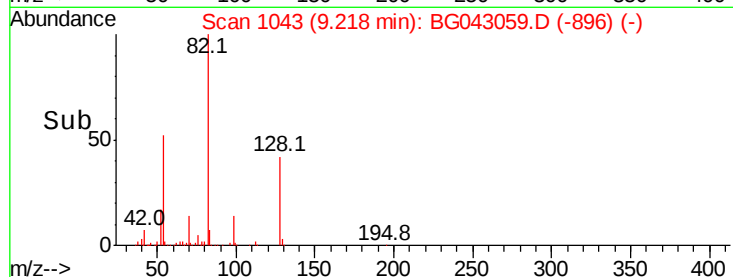
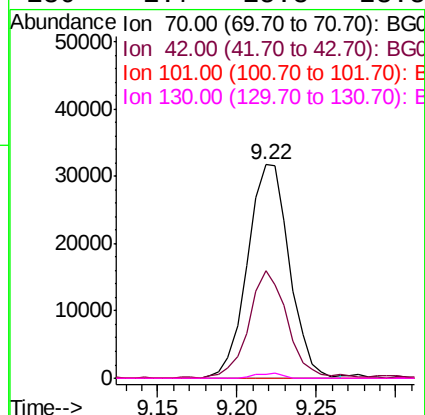
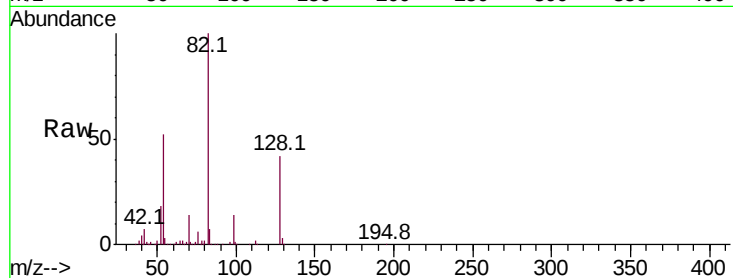




#19
n-Nitroso-di-n-propylamine
Concen: 16.727 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.33 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

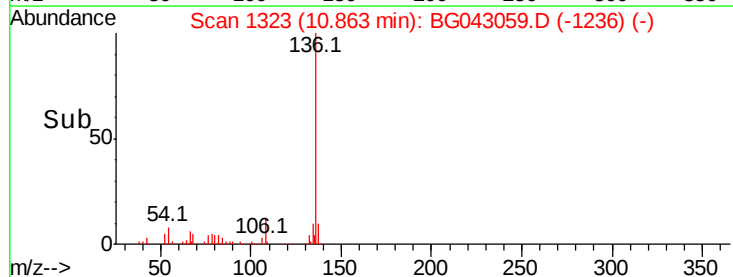
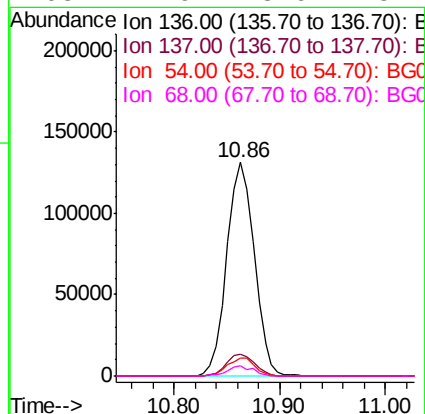
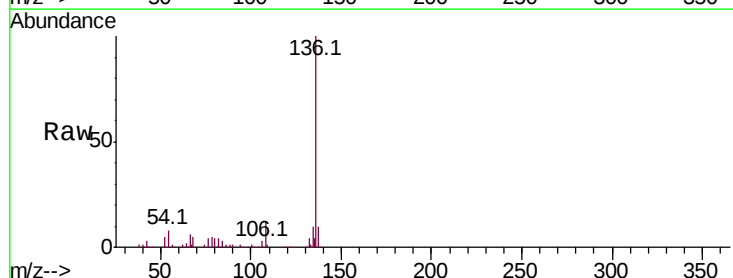
Instrument :
BNA_G
ClientSampleId :
20190882-COMPOSITE-N

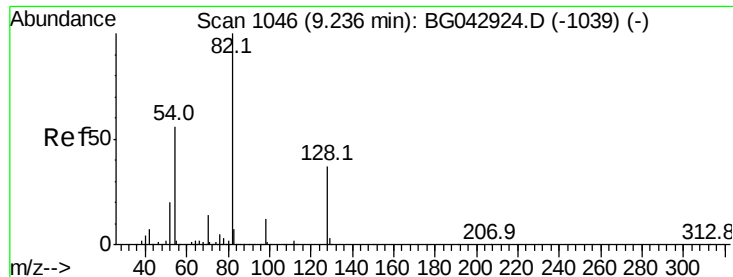
Tot Ion: 70 Resp: 58345
Ion Ratio Lower Upper
70 100
42 50.4 52.6 79.0#
101 0.0 8.7 13.1#
130 1.7 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

Tgt Ion: 136 Resp: 238370
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 8.3 7.4 11.2
68 4.6 3.6 5.4





#23

Nitrobenzene-d5

Concen: 87.280 ng

RT: 9.22 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BG043059.D

Acq: 5 Oct 2019 17:26

Instrument :

BNA_G

ClientSampleId :

20190882-COMPOSITE-N

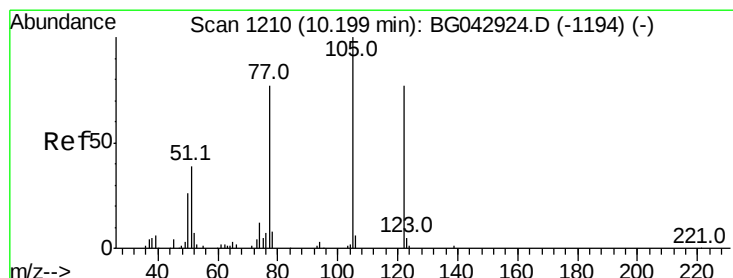
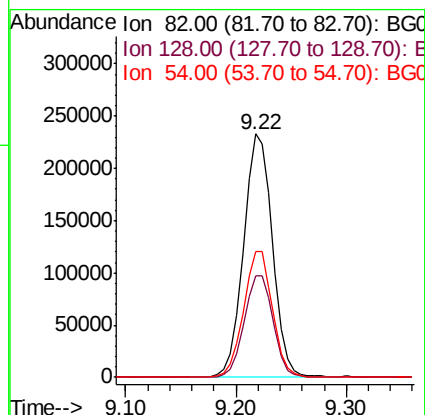
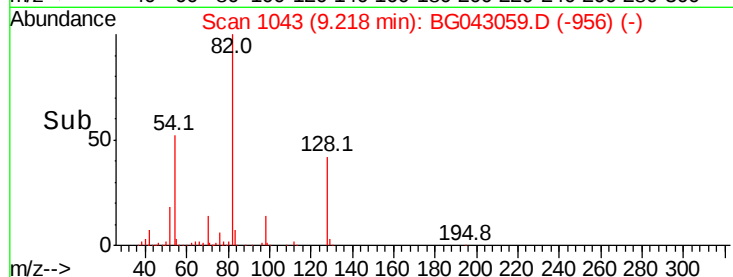
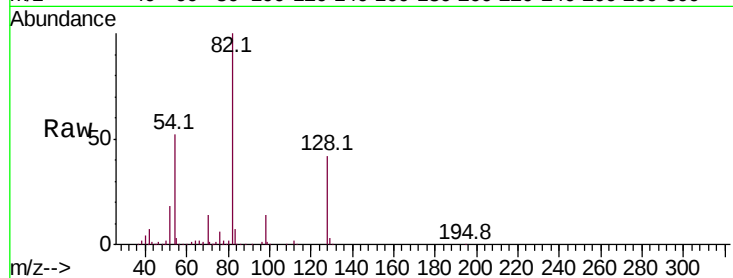
Tot Ion: 82 Resp: 428041

Ion Ratio Lower Upper

82 100

128 41.6 29.5 44.3

54 51.9 44.6 67.0



#32

Benzoic acid

Concen: 3.196 ng

RT: 10.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BG043059.D

Acq: 5 Oct 2019 17:26

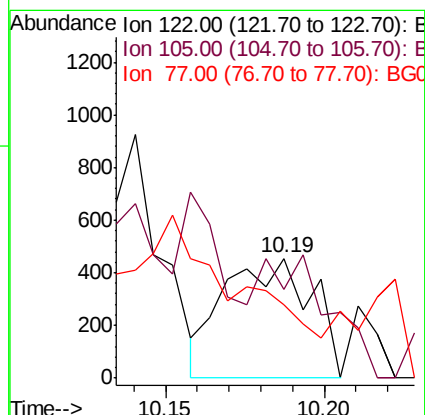
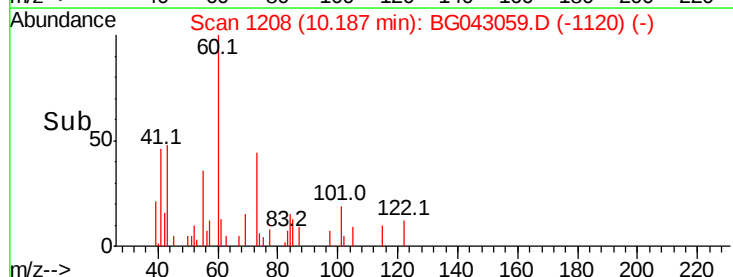
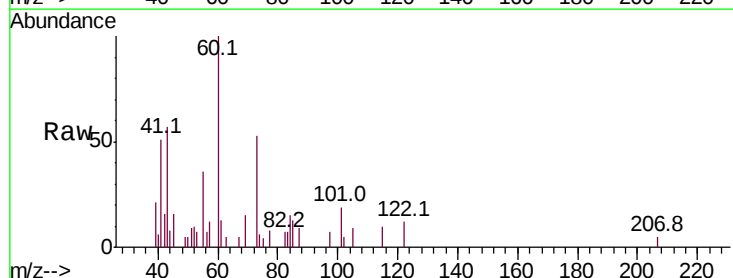
Tgt Ion: 122 Resp: 866

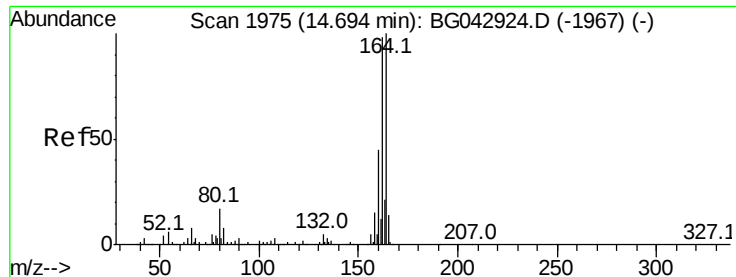
Ion Ratio Lower Upper

122 100

105 74.5 107.5 147.5#

77 61.1 79.8 119.8#

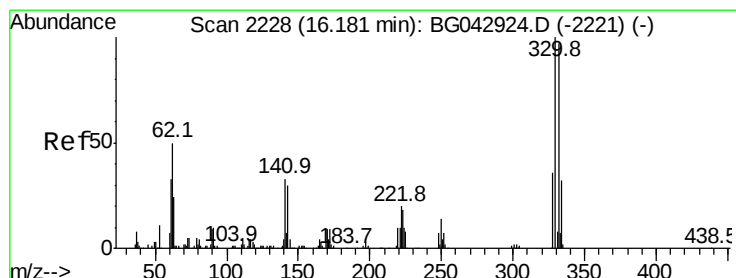
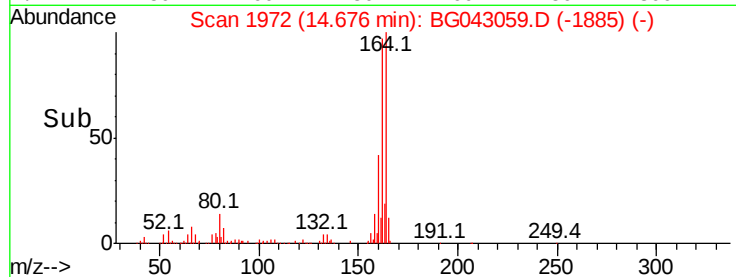
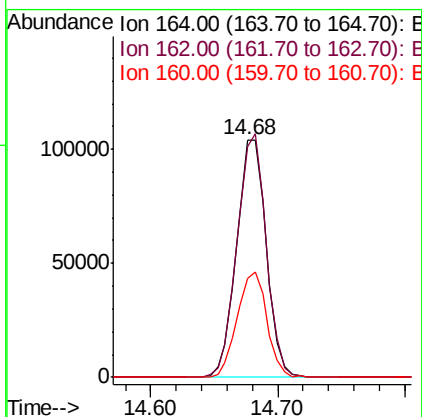
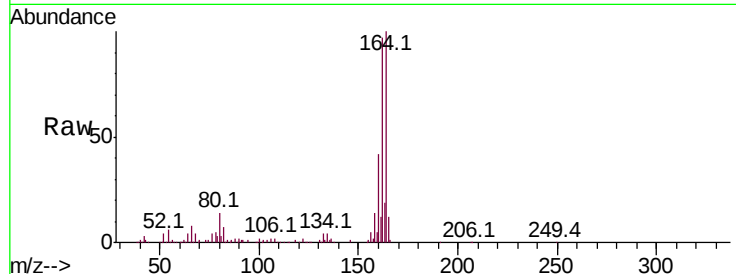




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.02 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

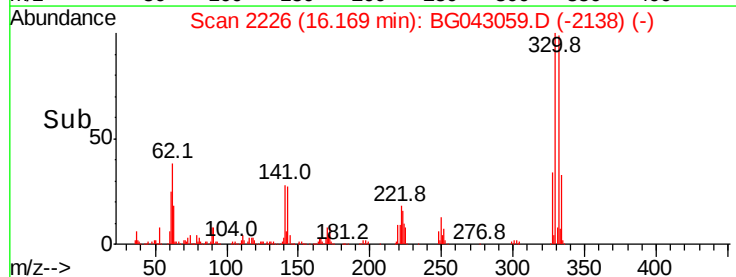
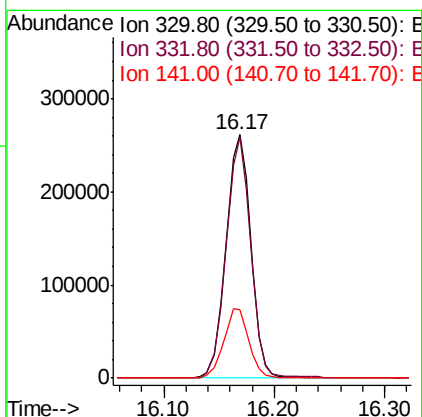
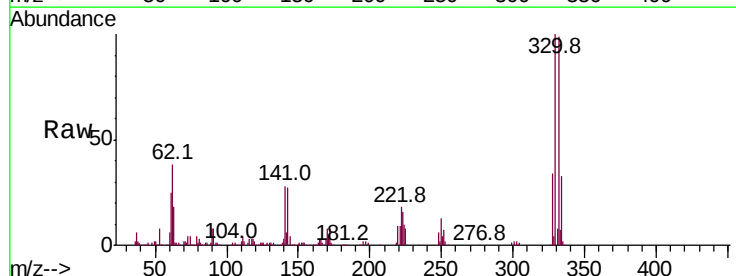
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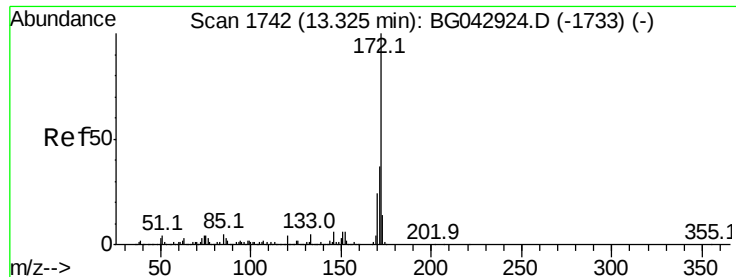
Tot Ion	Ratio	Lower	Upper
164	100		
162	96.9	78.5	117.7
160	41.6	35.9	53.9



#42
2,4,6-Tribromophenol
Concen: 142.969 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.2	117.2
141	28.5	26.0	39.0

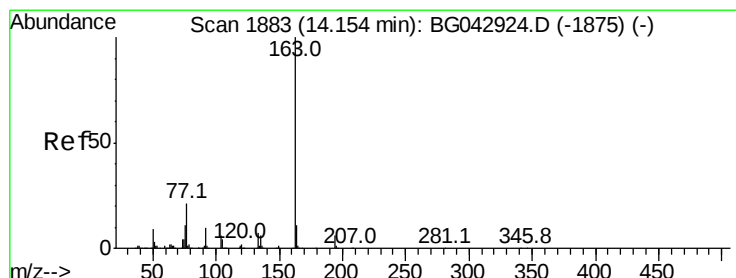
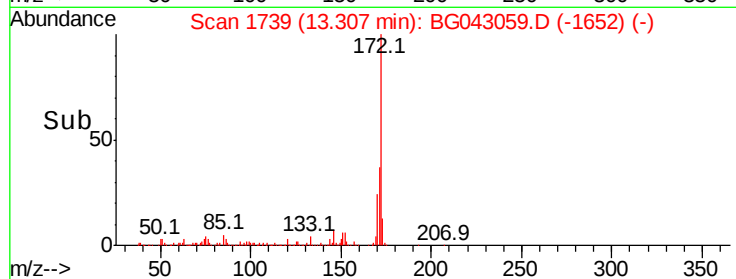
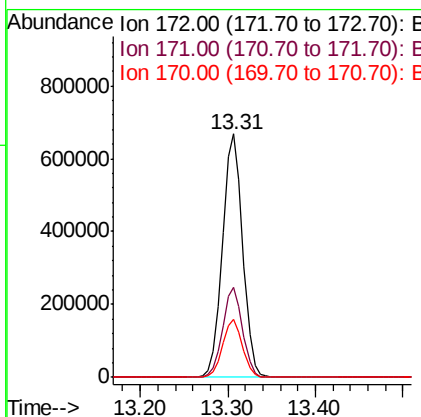
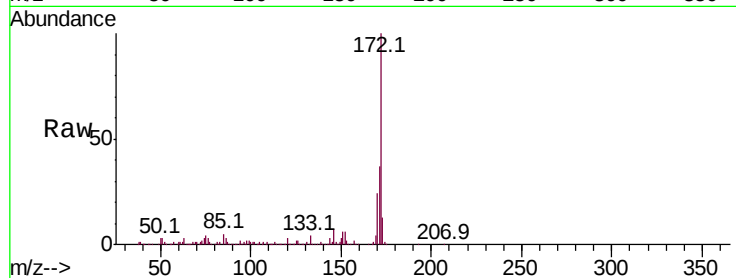




#45
2-Fluorobiphenyl
Concen: 90.278 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

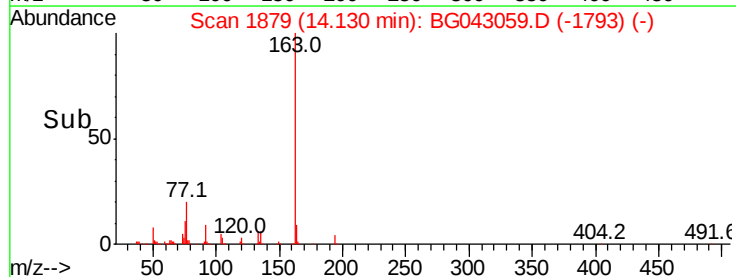
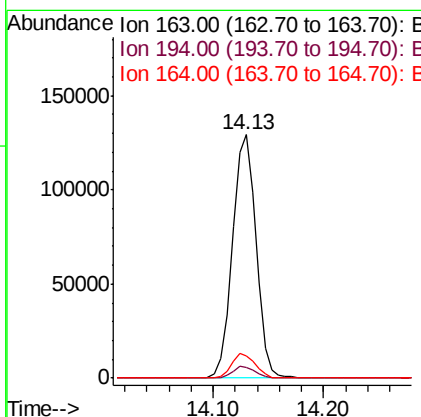
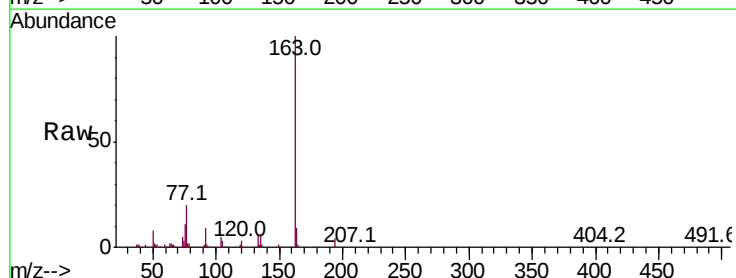
Instrument :
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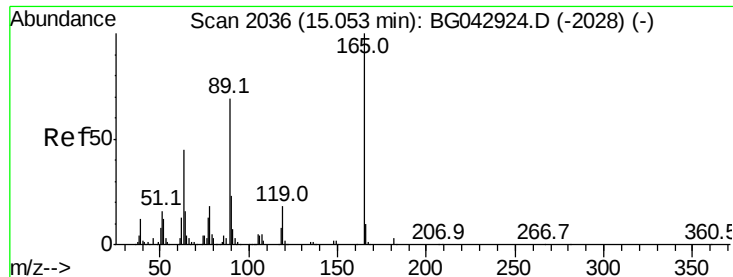
Tot Ion:172 Resp: 1050491
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 23.7 19.6 29.4



#50
Dimethylphthalate
Concen: 15.365 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

Tgt Ion:163 Resp: 194198
Ion Ratio Lower Upper
163 100
194 4.4 4.4 6.6#
164 9.1 8.6 12.8

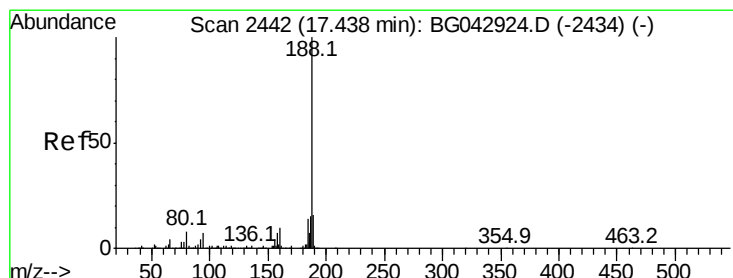
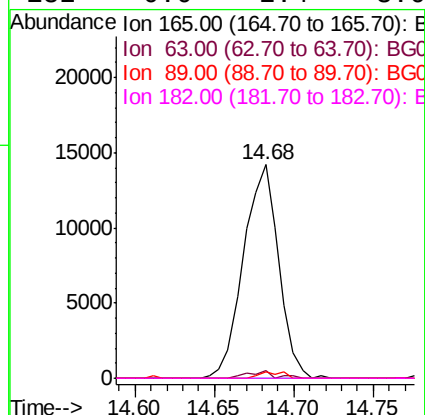
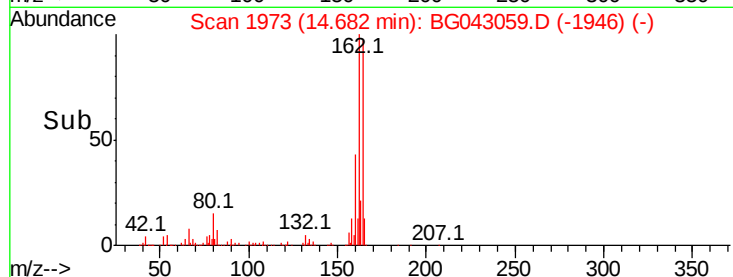
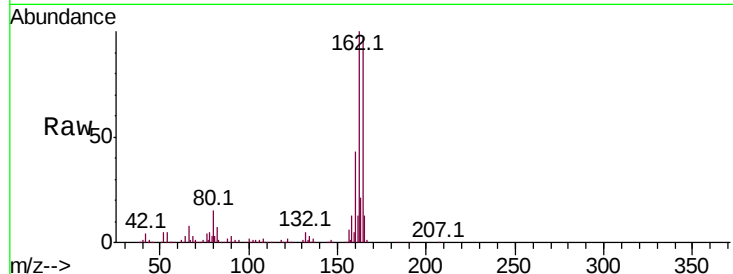




#57
2,4-Dinitrotoluene
Concen: 5.554 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.37 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

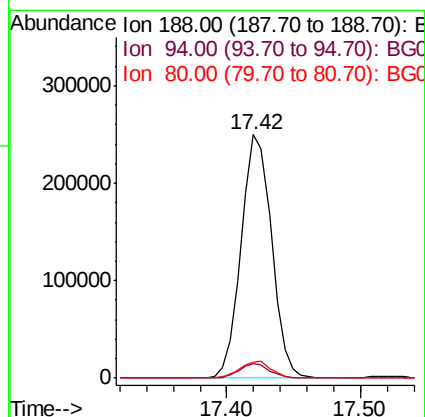
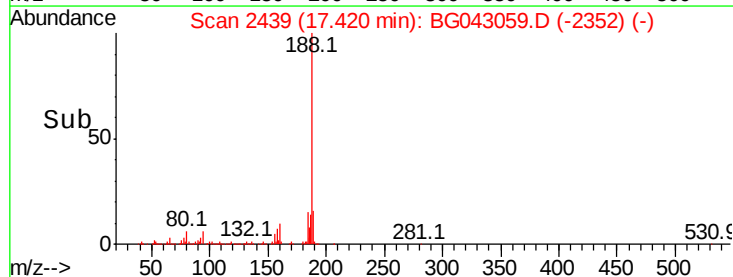
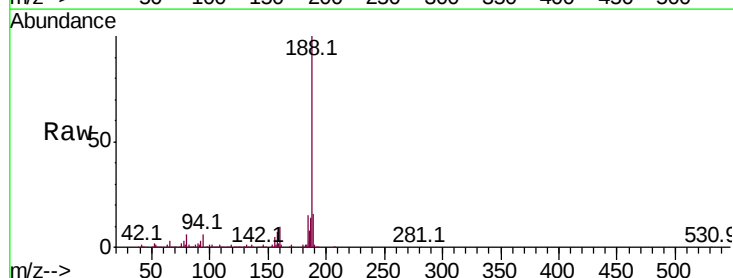
Instrument :
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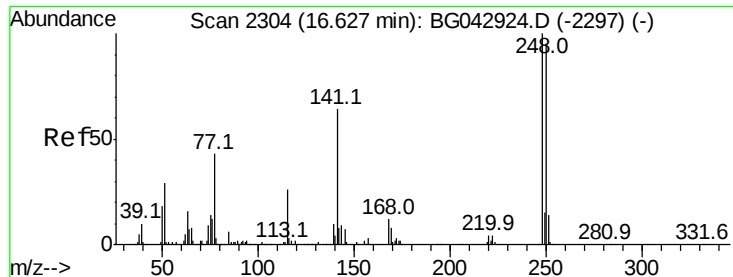
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.4	36.5	54.7#
89	2.9	55.5	83.3#
182	0.0	2.4	3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.02 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.7	8.5
80	6.5	6.5	9.7





#67

4-Bromophenyl-phenylether

Concen: 5.617 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG043059.D

Acq: 5 Oct 2019 17:26

Instrument :

BNA_G

ClientSampleId :

20190882-COMPOSITE-N

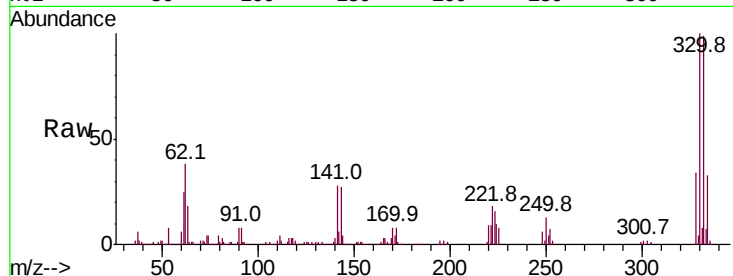
Tot Ion:248 Resp: 27821

Ion Ratio Lower Upper

248 100

250 201.0 75.8 113.8#

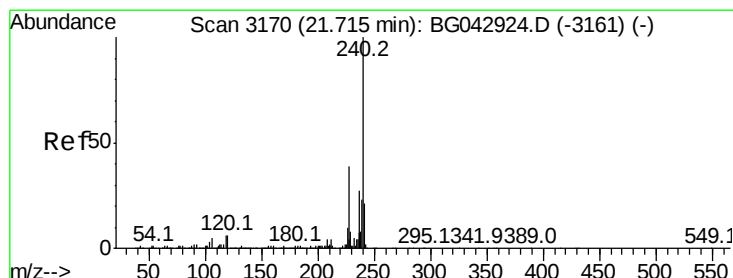
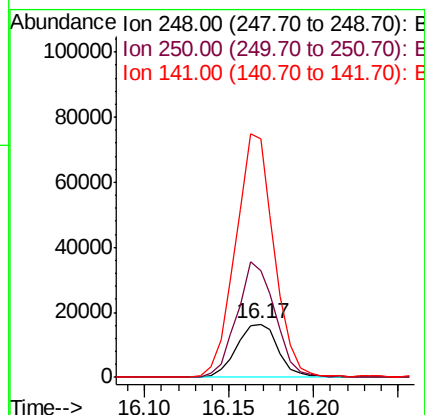
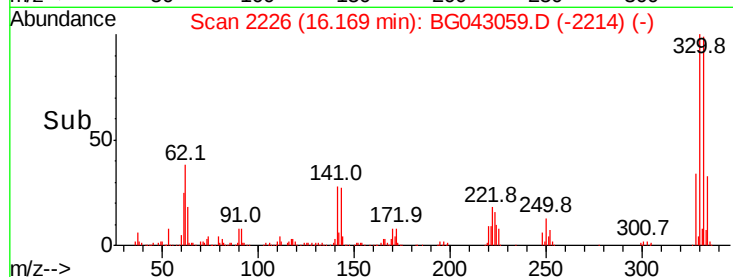
141 448.3 51.1 76.7#



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: BG043059.D

Acq: 5 Oct 2019 17:26

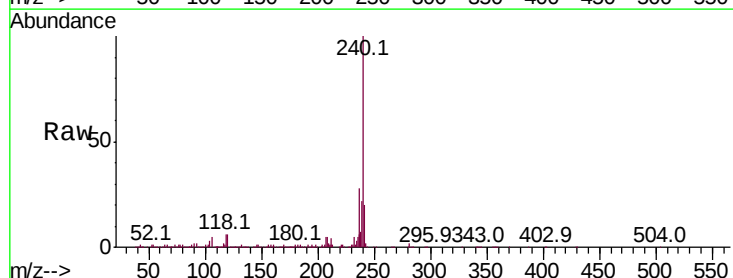
Tgt Ion:240 Resp: 434065

Ion Ratio Lower Upper

240 100

120 5.6 4.8 7.2

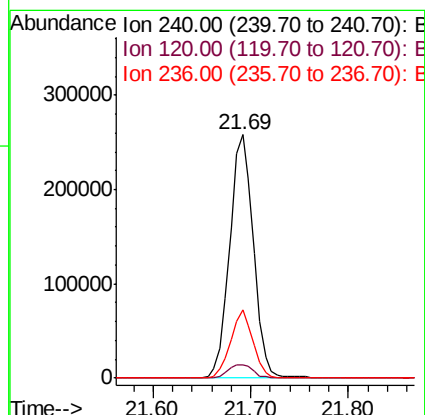
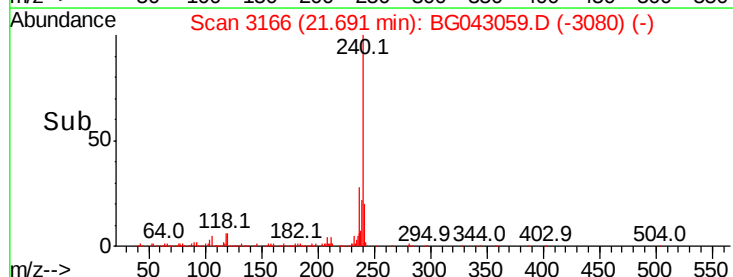
236 28.3 21.4 32.0

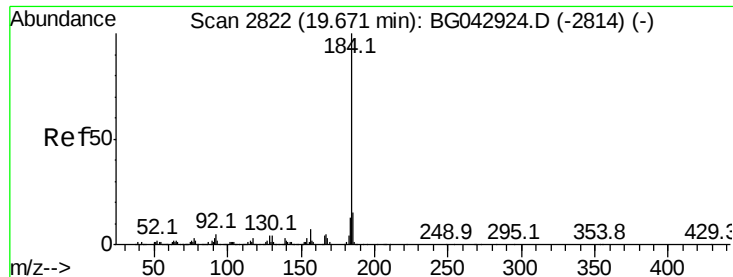


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.915 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043059.D

Acq: 5 Oct 2019 17:26

Instrument :

BNA_G

ClientSampleId :

20190882-COMPOSITE-N

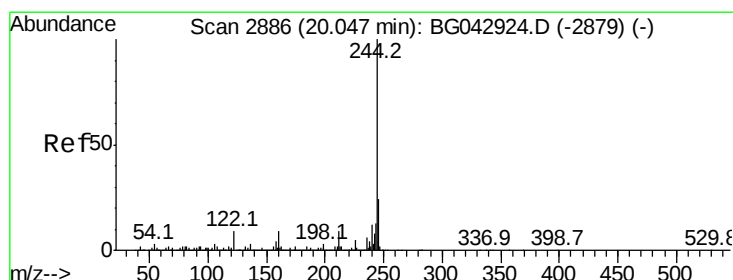
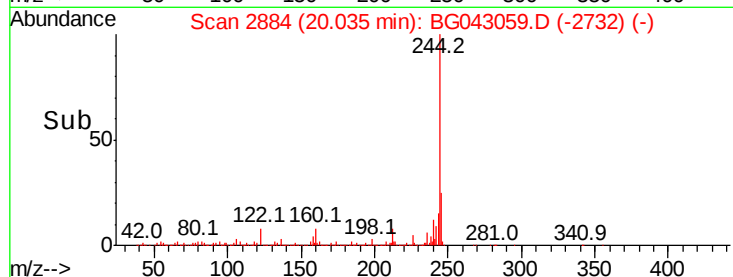
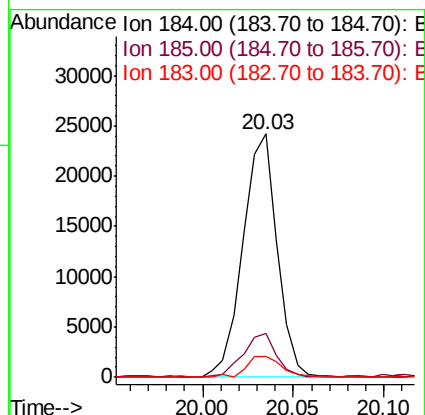
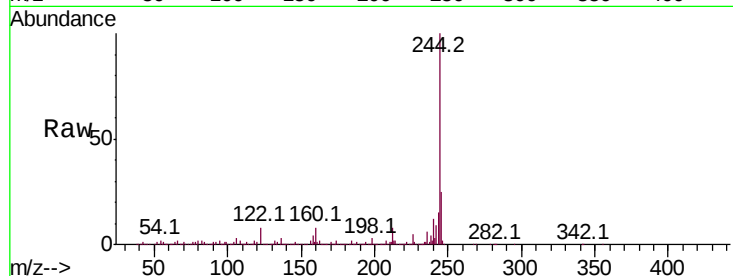
Tot Ion:184 Resp: 31680

Ion Ratio Lower Upper

184 100

185 18.2 11.8 17.8#

183 8.3 10.1 15.1#



#79

Terphenyl-d14

Concen: 97.121 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043059.D

Acq: 5 Oct 2019 17:26

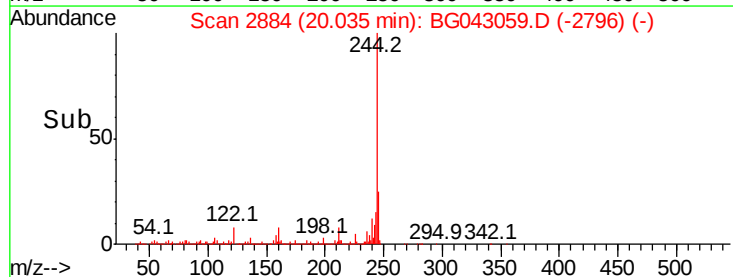
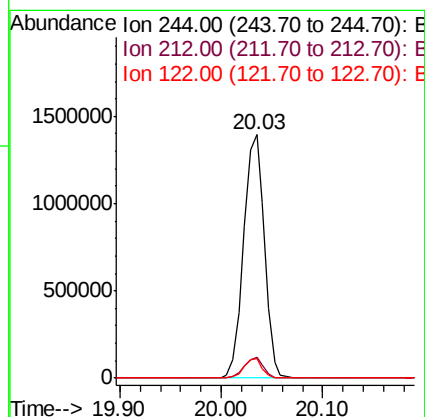
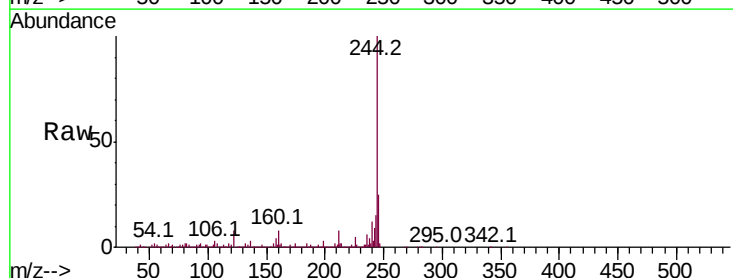
Tgt Ion:244 Resp: 1978371

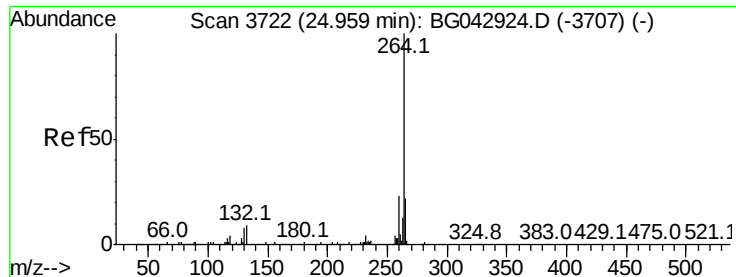
Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.0

122 7.8 7.0 10.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3713
Delta R.T. -0.05 min
Lab File: BG043059.D
Acq: 5 Oct 2019 17:26

Instrument :
BNA_G
ClientSampleId :
20190882-COMPOSITE-N

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.1	17.7	26.5

