

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100719\
 Data File : BG043067.D
 Acq On : 7 Oct 2019 14:41
 Operator : JU
 Sample : PB123594BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123594BL

Quant Time: Oct 08 01:46:21 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

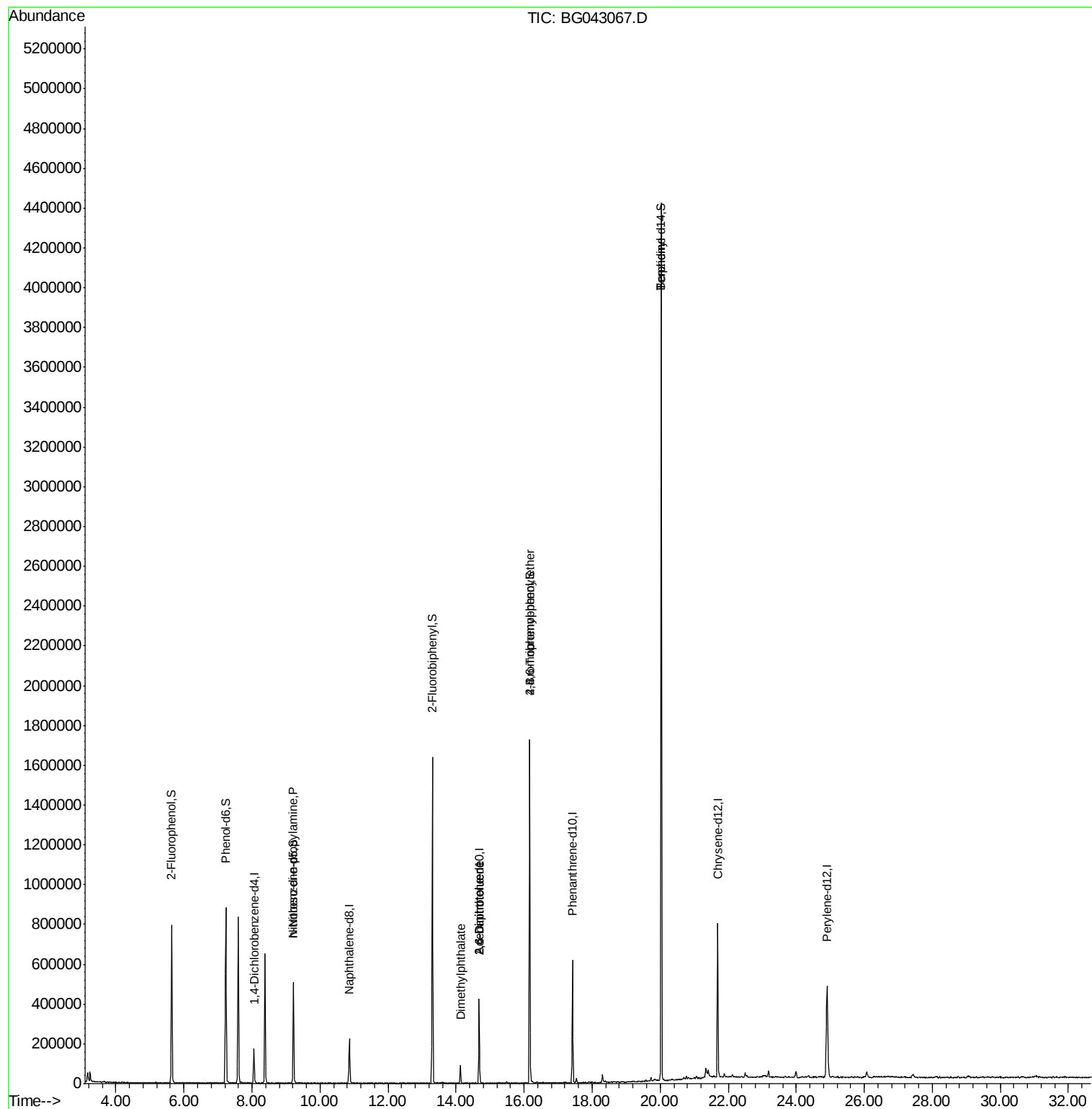
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	49753	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	193221	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	151806	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	406613	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	465808	20.00	ng	-0.03
87) Perylene-d12	24.91	264	524088	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	338734	121.50	ng	-0.02
7) Phenol-d6	7.23	99	507157	126.32	ng	-0.01
23) Nitrobenzene-d5	9.22	82	312716	78.66	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	390239	149.49	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	881492	84.18	ng	-0.02
79) Terphenyl-d14	20.03	244	2104010	96.25	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	44446	16.860	ng	# 71
50) Dimethylphthalate	14.13	163	64798	5.697	ng	# 98
51) 2,6-Dinitrotoluene	14.67	165	20020	8.265	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	20020	5.644	ng	# 24
67) 4-Bromophenyl-phenylether	16.17	248	25932	5.081	ng	# 1
77) Benzidine	20.03	184	36266	3.109	ng	# 92

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

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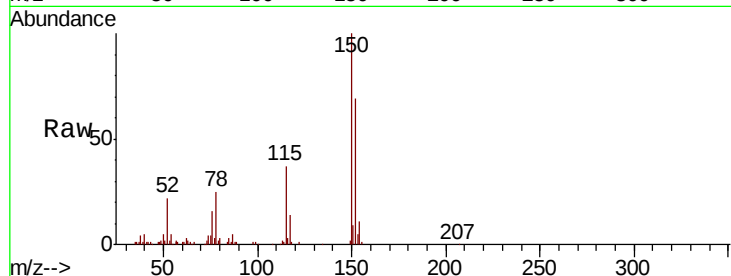


#1

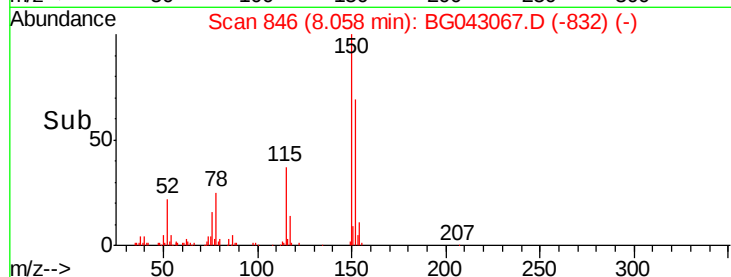
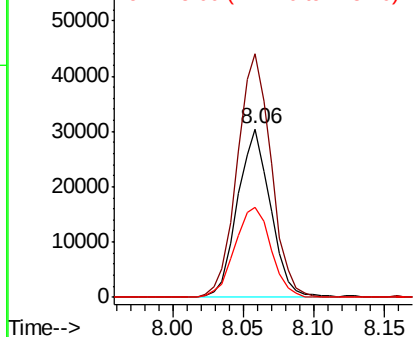
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

Instrument :
BNA_G
ClientSampleId :
PB123594BL

Tot Ion:152 Resp: 49753
Ion Ratio Lower Upper
152 100
150 144.4 115.0 172.4
115 53.5 47.0 70.6



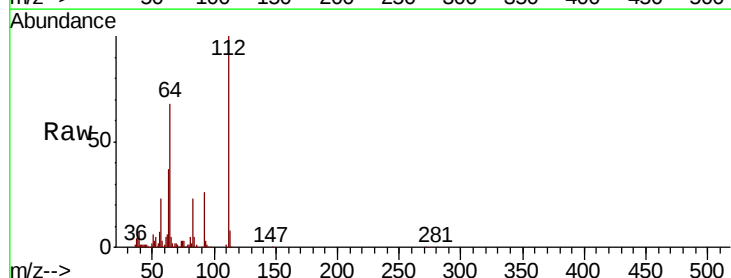
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



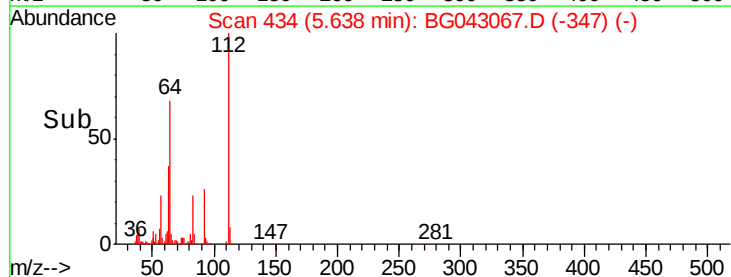
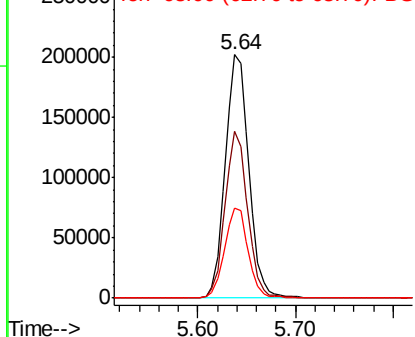
#5

2-Fluorophenol
Concen: 121.503 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

Tgt Ion:112 Resp: 338734
Ion Ratio Lower Upper
112 100
64 68.4 56.6 84.8
63 37.2 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: 126.325 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043067.D

Acq: 7 Oct 2019 14:41

Instrument :

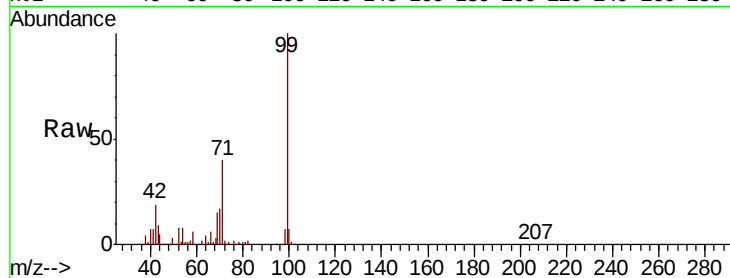
BNA_G

ClientSampleId :

PB123594BL

Tot Ion: 99 Resp: 507157

Ion	Ratio	Lower	Upper
99	100		
42	19.4	17.2	25.8
71	39.8	33.1	49.7

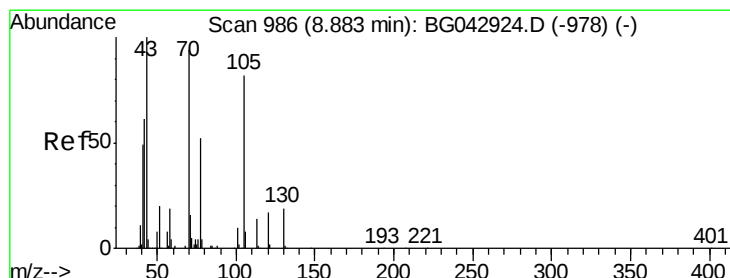
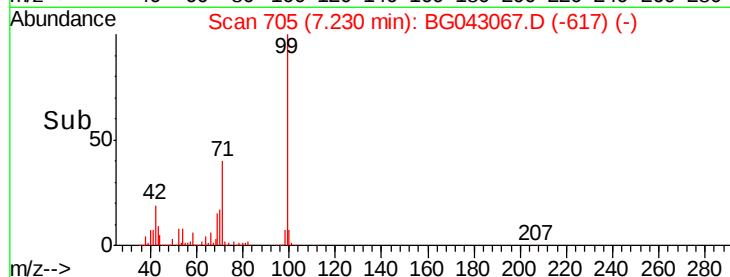
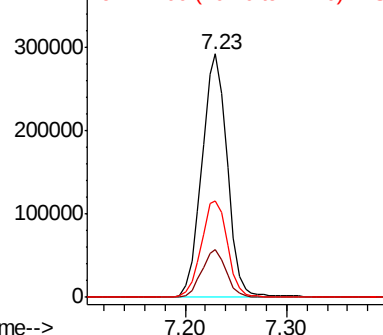


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 16.860 ng

RT: 9.22 min Scan# 1043

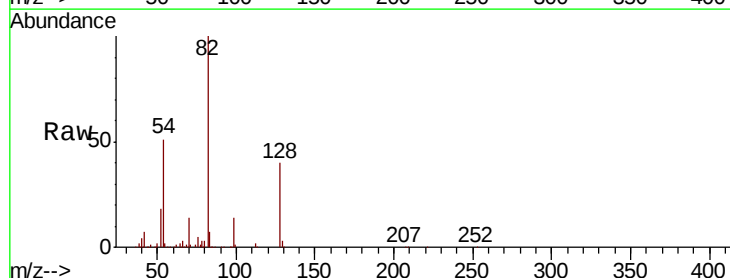
Delta R.T. 0.33 min

Lab File: BG043067.D

Acq: 7 Oct 2019 14:41

Tgt Ion: 70 Resp: 44446

Ion	Ratio	Lower	Upper
70	100		
42	45.5	52.6	79.0#
101	0.0	8.7	13.1#
130	1.7	15.8	23.8#



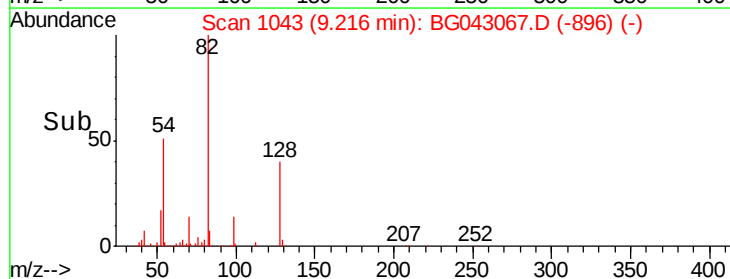
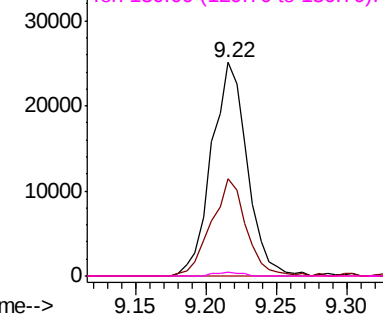
Abundance

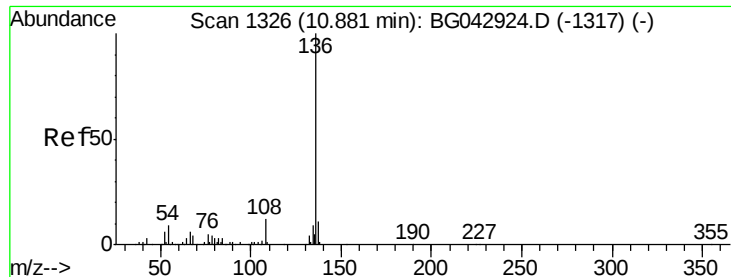
Ion 70.00 (69.70 to 70.70): BGC

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

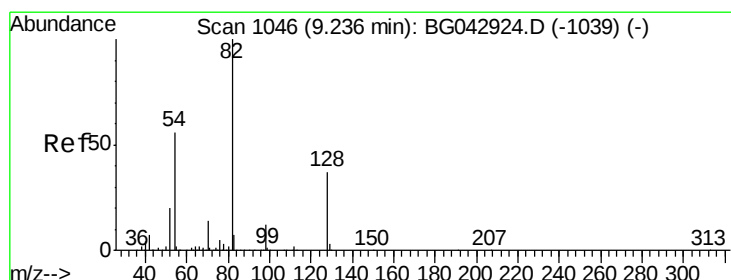
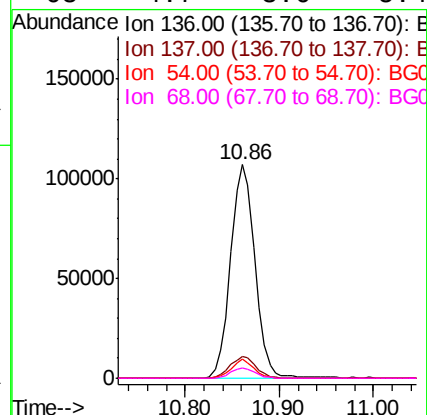
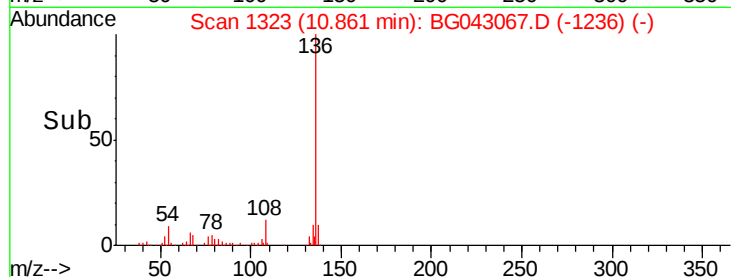
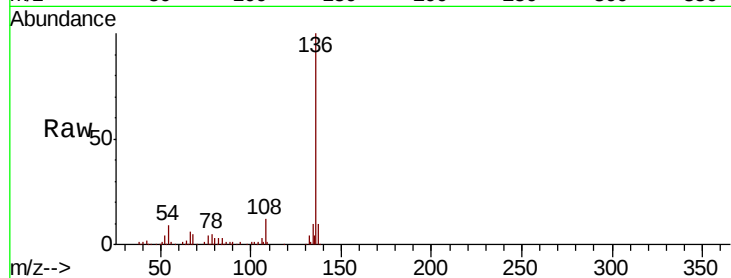




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

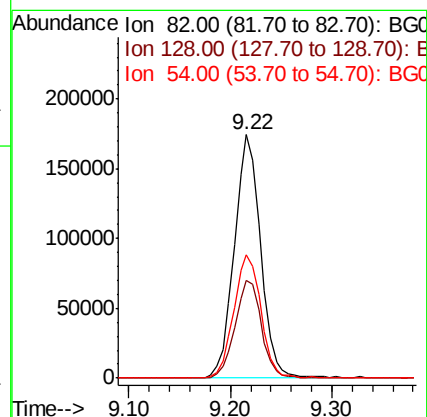
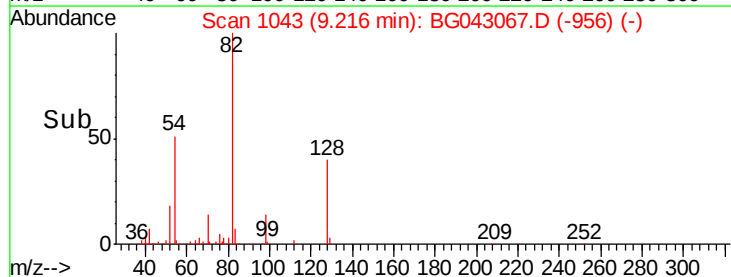
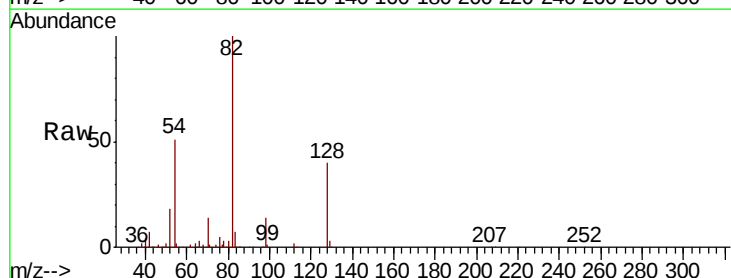
Instrument :
BNA_G
ClientSampleId :
PB123594BL

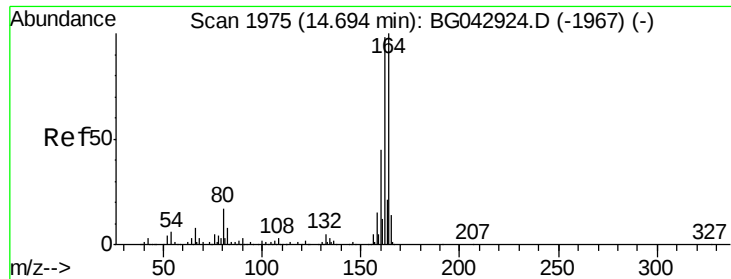
Tot Ion:136	Resp:	193221
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.5 12.7
54	8.8	7.4 11.2
68	4.7	3.6 5.4



#23
Nitrobenzene-d5
Concen: 78.664 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

Tgt Ion: 82	Resp:	312716
Ion	Ratio	Lower Upper
82	100	
128	39.9	29.5 44.3
54	50.8	44.6 67.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043067.D

Acq: 7 Oct 2019 14:41

Instrument :

BNA_G

ClientSampleId :

PB123594BL

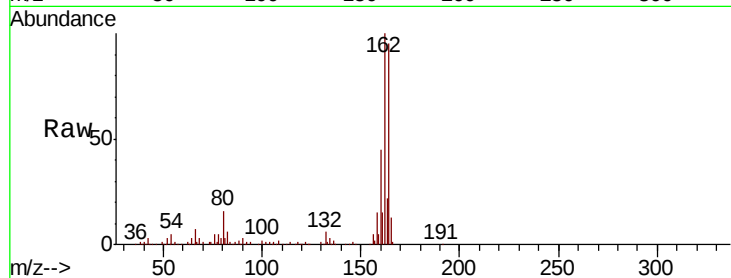
Tot Ion:164 Resp: 151806

Ion Ratio Lower Upper

164 100

162 105.3 78.5 117.7

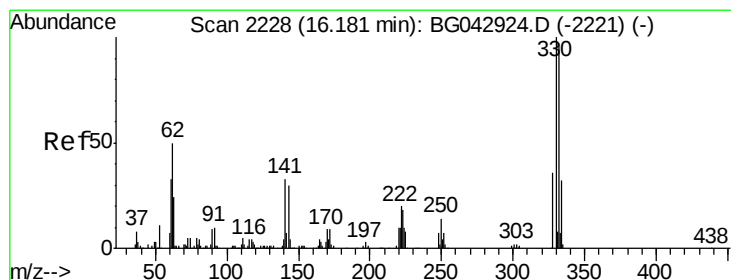
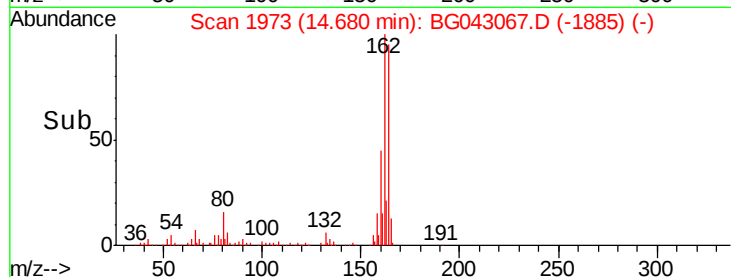
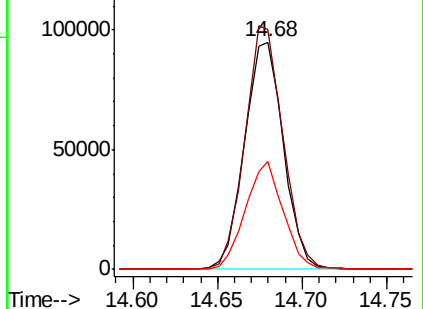
160 47.8 35.9 53.9



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: 149.494 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043067.D

Acq: 7 Oct 2019 14:41

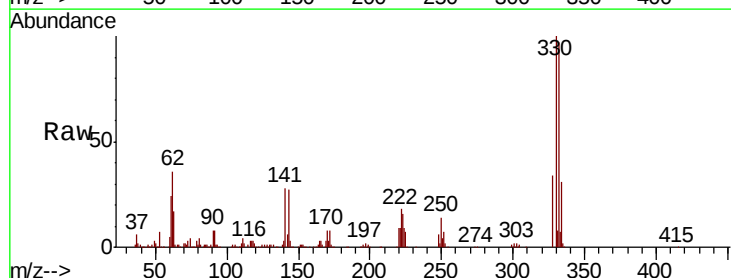
Tgt Ion:330 Resp: 390239

Ion Ratio Lower Upper

330 100

332 95.8 78.2 117.2

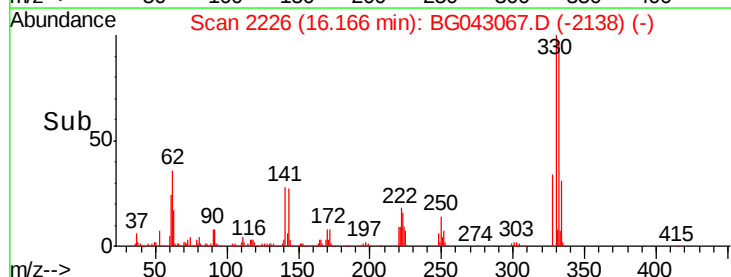
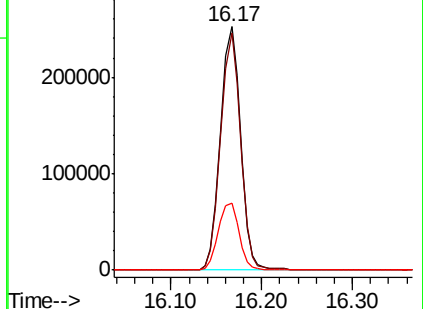
141 28.3 26.0 39.0

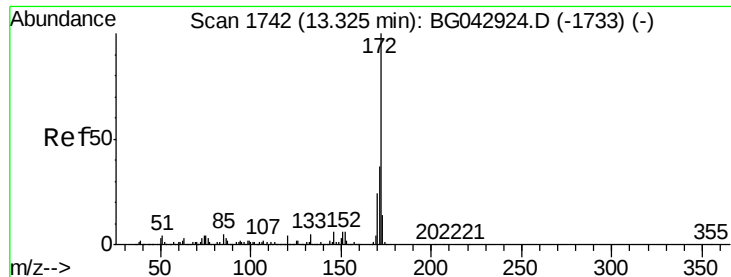


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

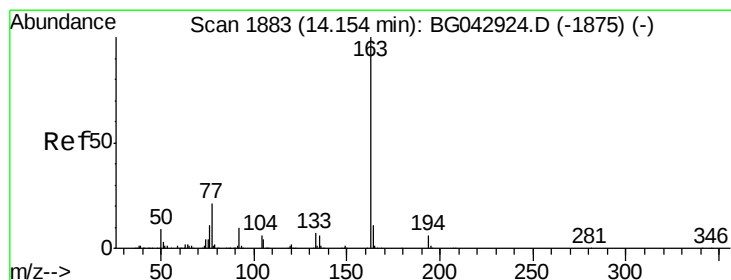
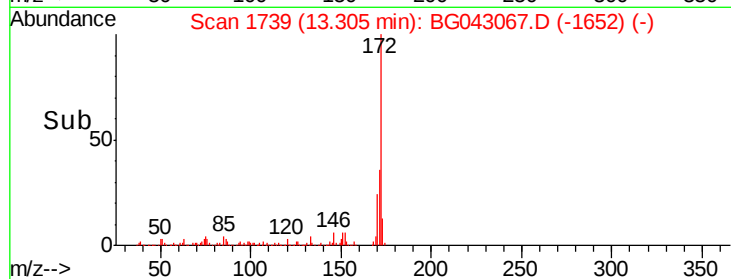
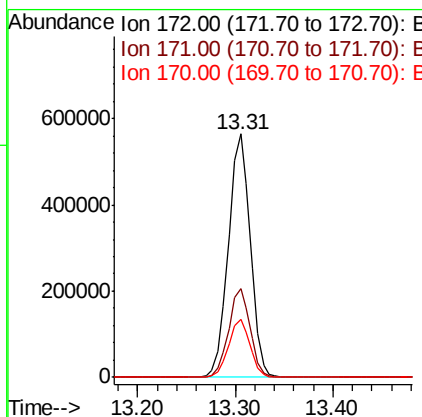
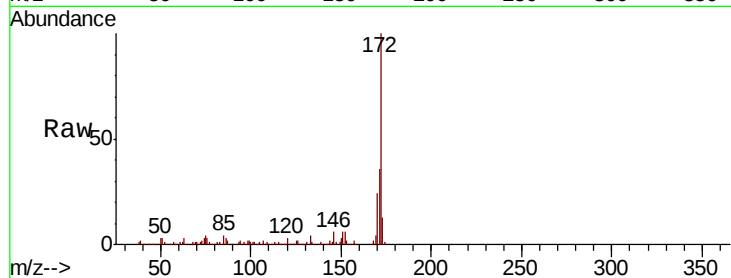




#45
2-Fluorobiphenyl
Concen: 84.180 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

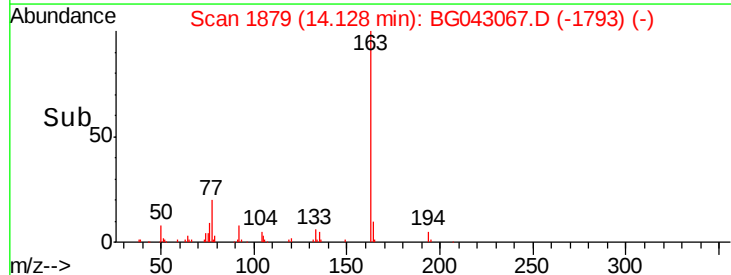
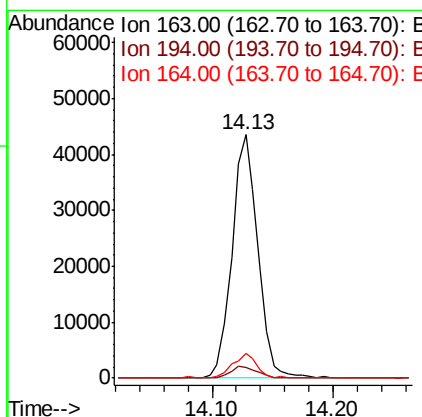
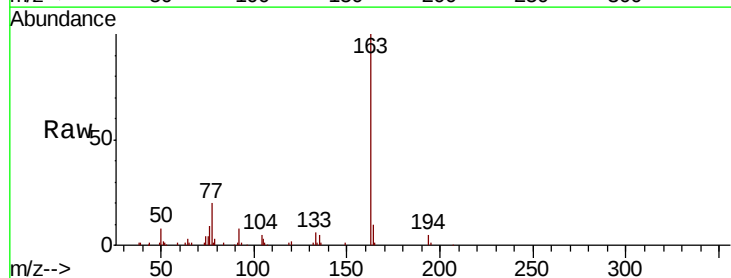
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ClientSampleId :
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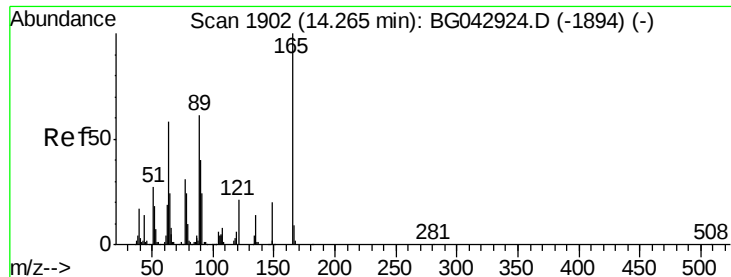
Tot Ion:172 Resp: 881492
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.0 19.6 29.4



#50
Dimethylphthalate
Concen: 5.697 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.03 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

Tgt Ion:163 Resp: 64798
Ion Ratio Lower Upper
163 100
194 4.6 4.4 6.6
164 10.1 8.6 12.8

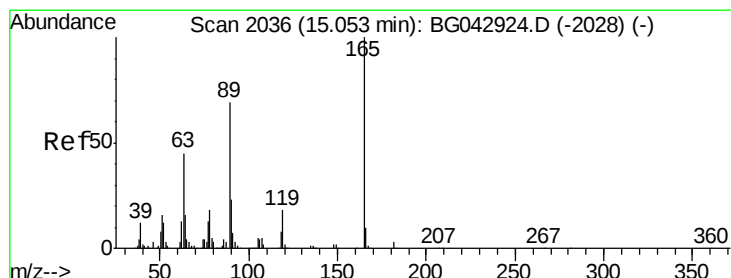
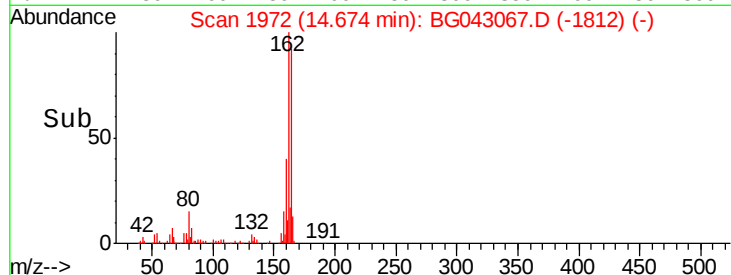
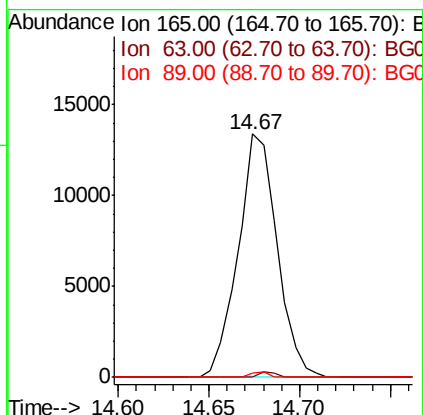
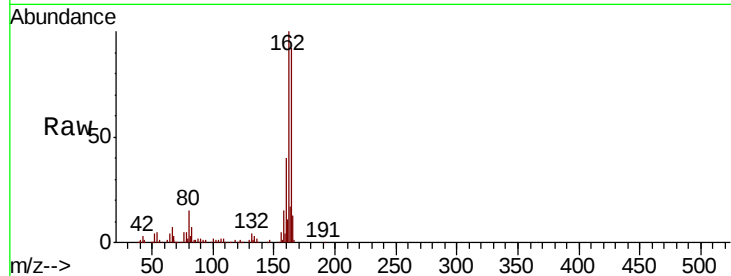




#51
 2,6-Dinitrotoluene
 Concen: 8.265 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG043067.D
 Acq: 7 Oct 2019 14:41

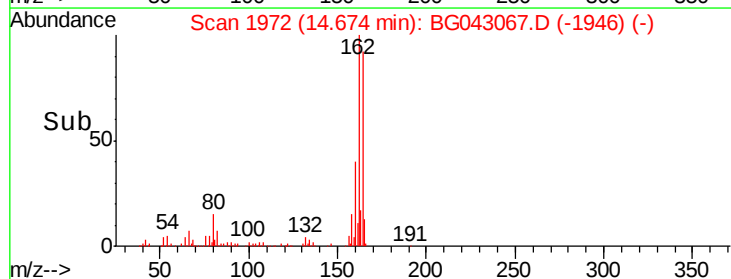
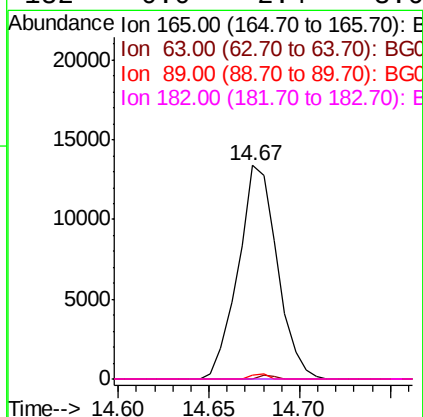
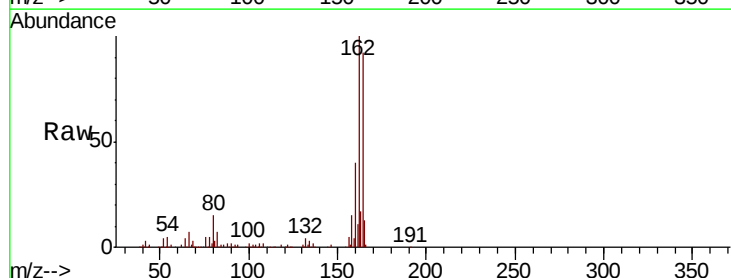
Instrument :
 BNA_G
 ClientSampleId :
 PB123594BL

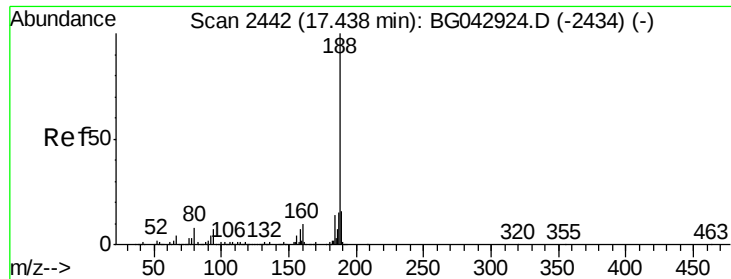
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.3	75.5#
89	1.8	48.9	73.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.644 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG043067.D
 Acq: 7 Oct 2019 14:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.5	54.7#
89	1.8	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: BG043067.D

Acq: 7 Oct 2019 14:41

Instrument :

BNA_G

ClientSampleId :

PB123594BL

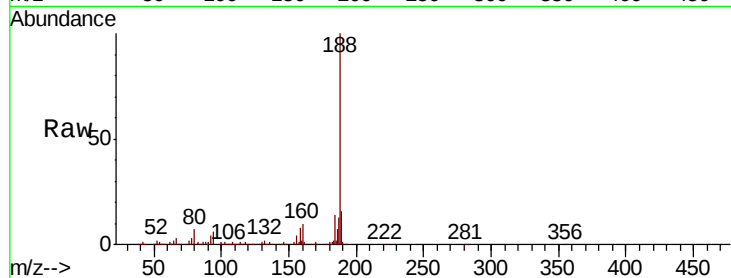
Tot Ion:188 Resp: 406613

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

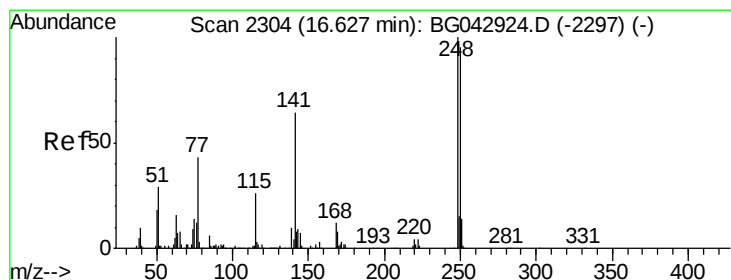
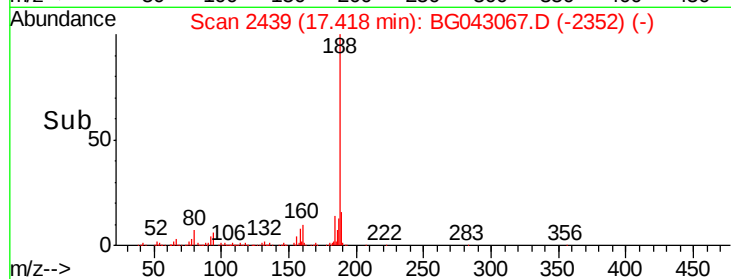
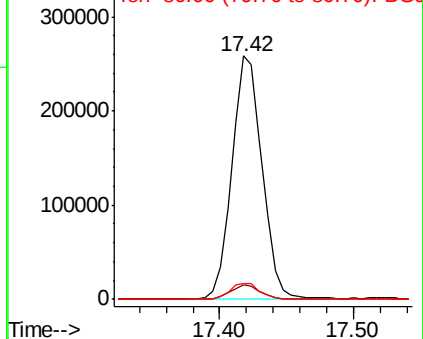
80 6.6 6.5 9.7



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: 5.081 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG043067.D

Acq: 7 Oct 2019 14:41

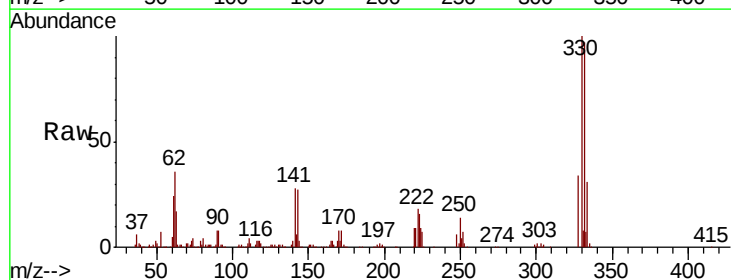
Tgt Ion:248 Resp: 25932

Ion Ratio Lower Upper

248 100

250 215.4 75.8 113.8#

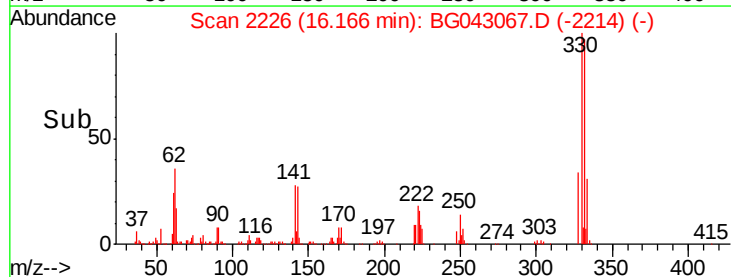
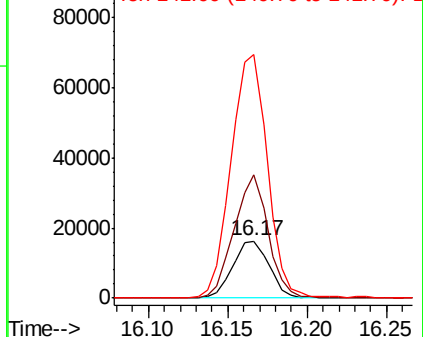
141 424.7 51.1 76.7#

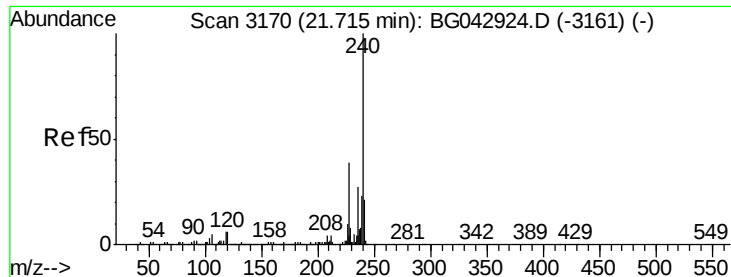


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

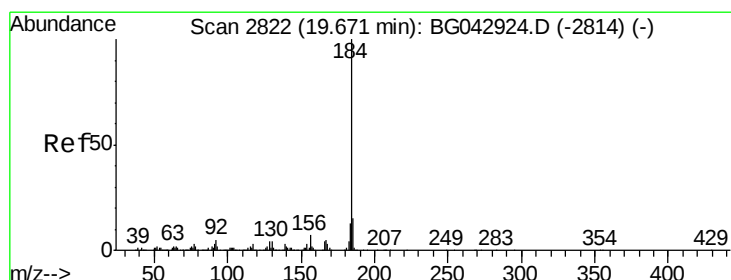
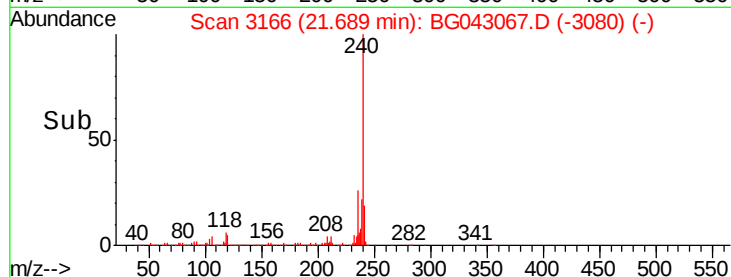
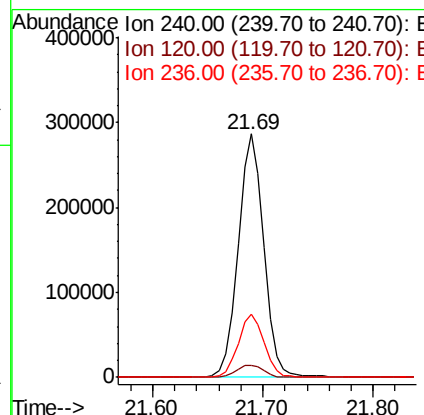
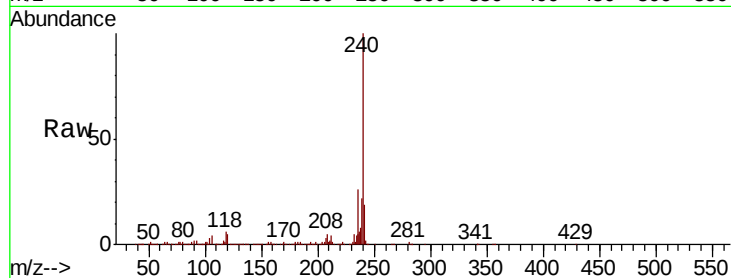




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.03 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

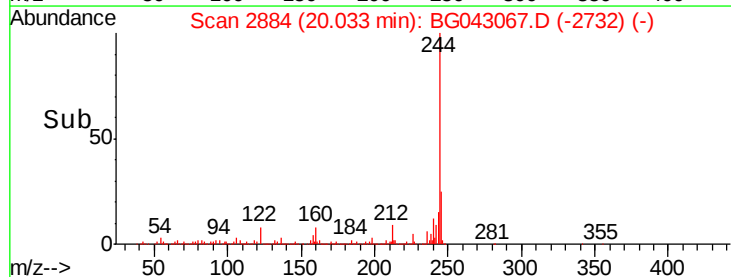
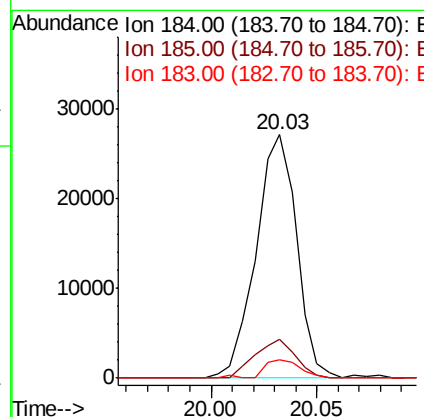
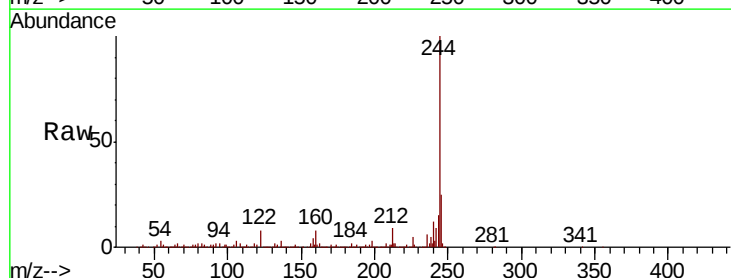
Instrument :
BNA_G
ClientSampleId :
PB123594BL

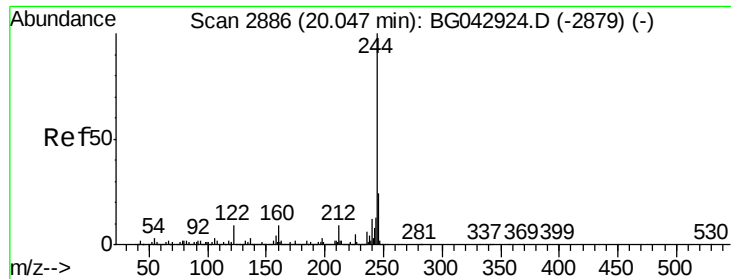
Tot Ion:240 Resp: 465808
Ion Ratio Lower Upper
240 100
120 5.1 4.8 7.2
236 26.1 21.4 32.0



#77
Benzidine
Concen: 3.109 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.36 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

Tgt Ion:184 Resp: 36266
Ion Ratio Lower Upper
184 100
185 16.1 11.8 17.8
183 7.4 10.1 15.1#





#79

Terphenyl-d14

Concen: 96.250 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043067.D

Acq: 7 Oct 2019 14:41

Instrument :

BNA_G

ClientSampleId :

PB123594BL

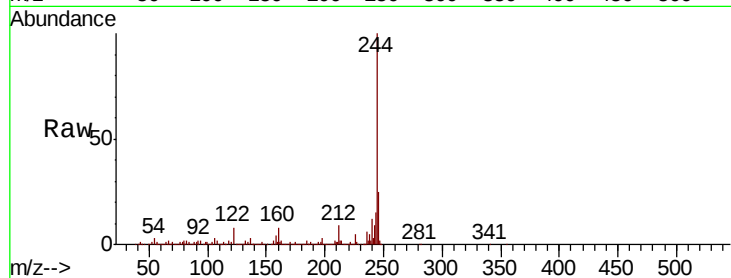
Tot Ion:244 Resp: 2104010

Ion Ratio Lower Upper

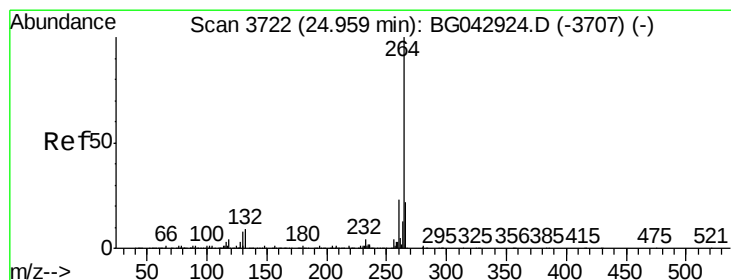
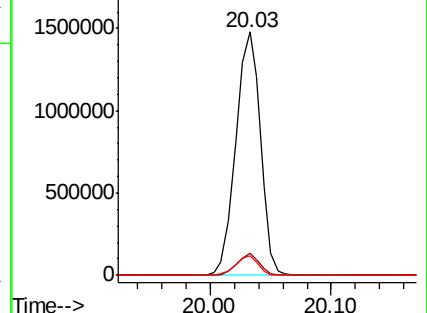
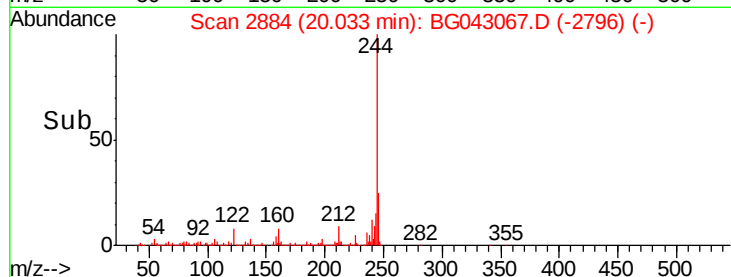
244 100

212 8.9 7.4 11.0

122 7.9 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E
2000000 Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3714

Delta R.T. -0.05 min

Lab File: BG043067.D

Acq: 7 Oct 2019 14:41

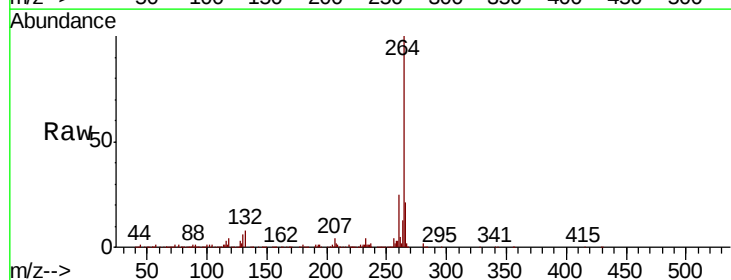
Tgt Ion:264 Resp: 524088

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 20.9 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

