

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 :

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

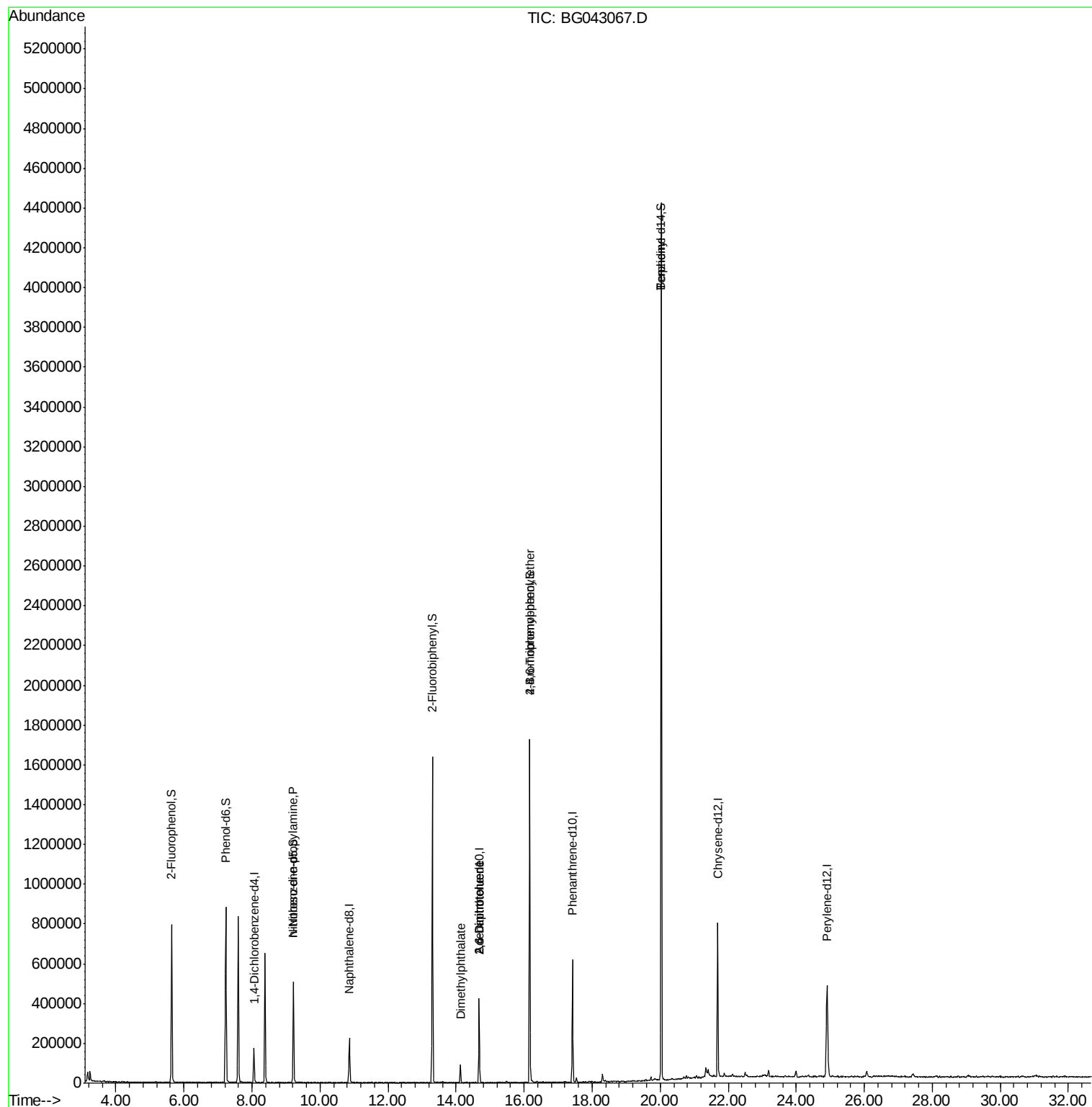
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	49753	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	193221	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	151806	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	406613	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	465808	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

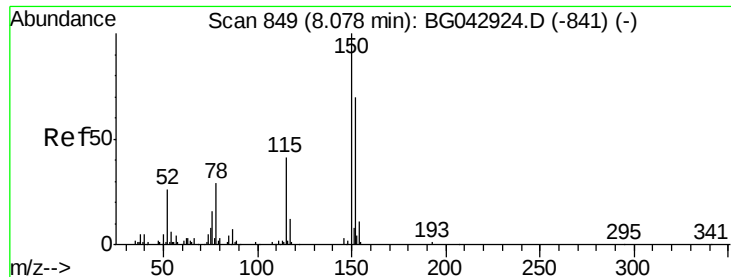
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :

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



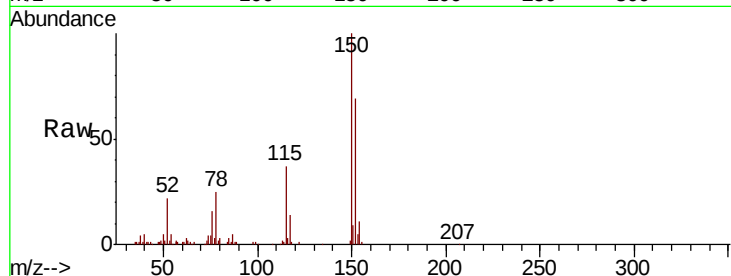


#1

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 :

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

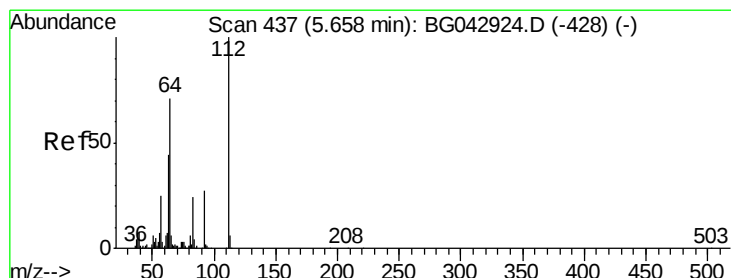
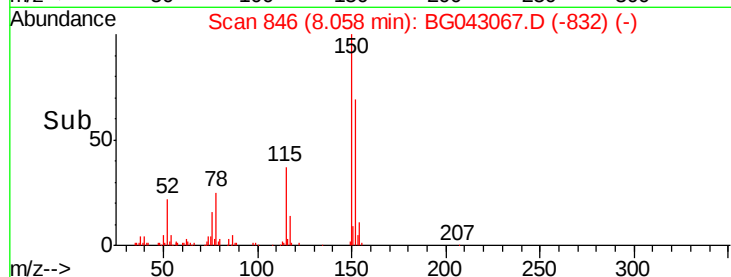
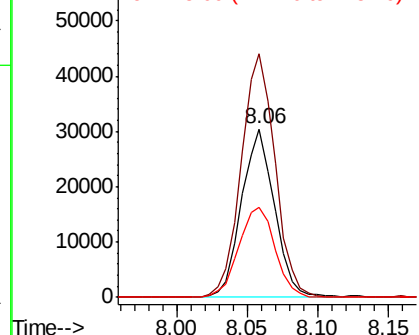


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

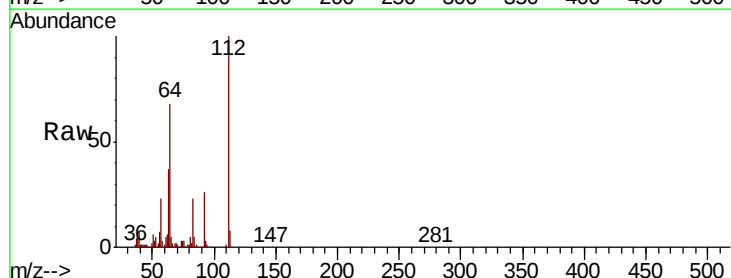
Ion 115.00 (114.70 to 115.70): E



#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	Ratio	Lower	Upper
112	100		
64	68.4	56.6	84.8
63	37.2	35.1	52.7

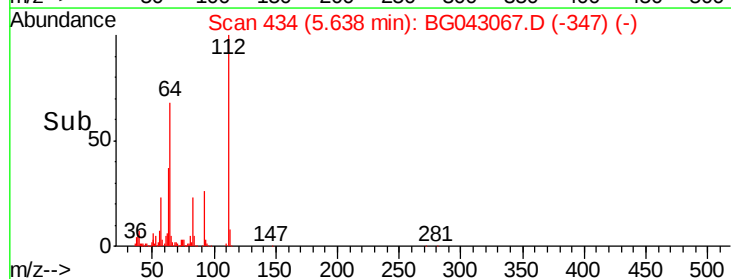
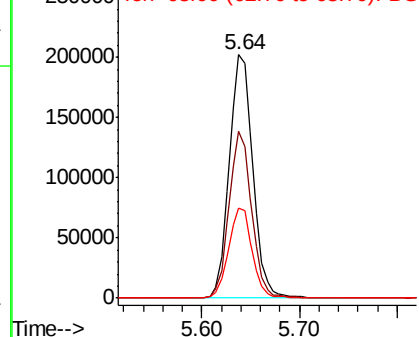


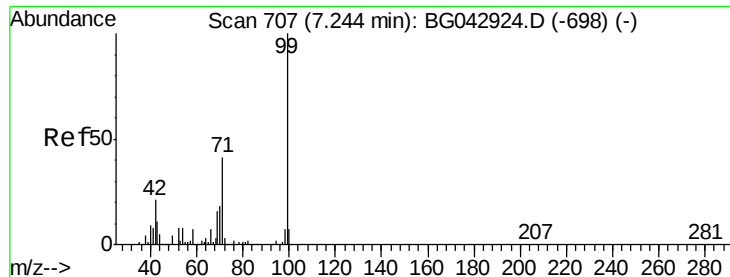
Abundance

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

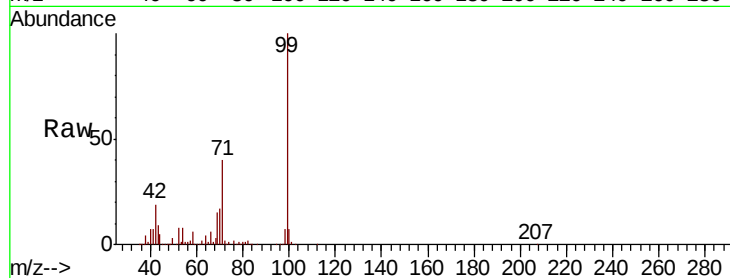
Instrument :

BNA_G

ClientSampleId :

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

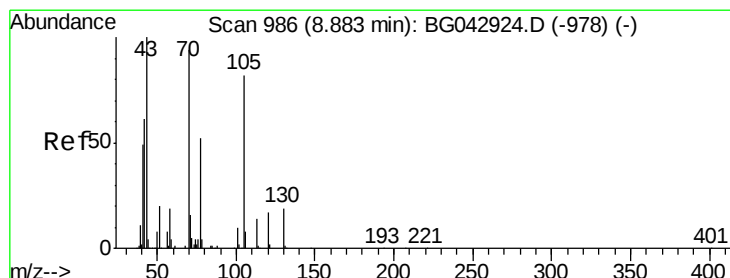
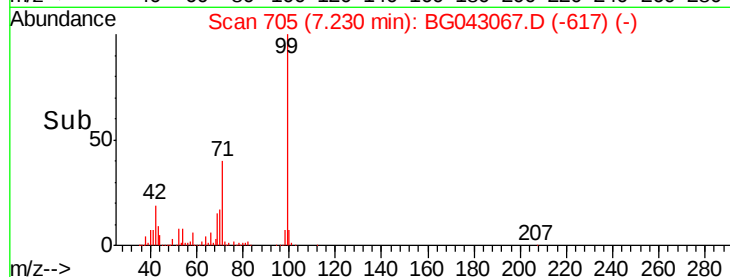
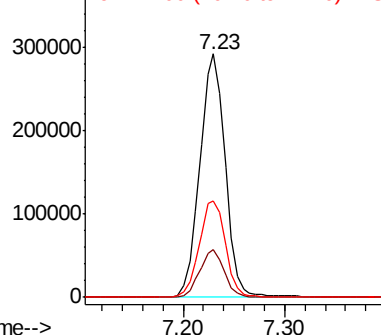


Abundance

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

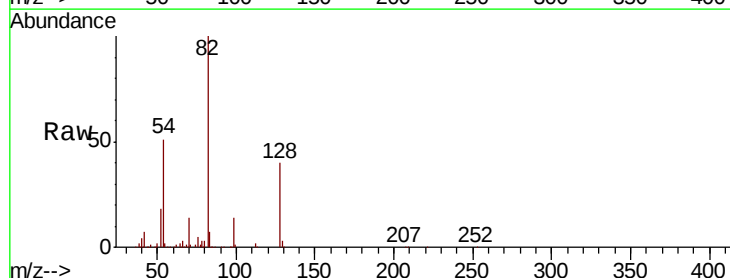
Delta R.T. 0.33 min

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#



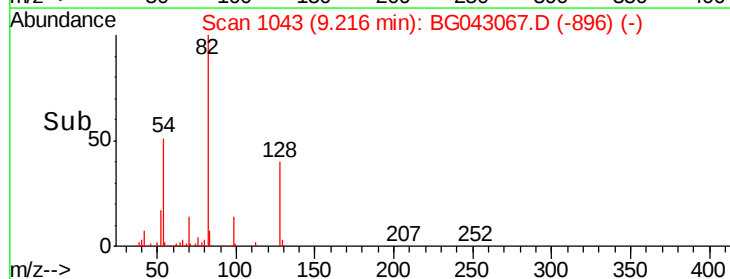
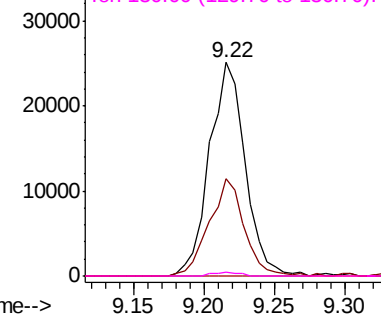
Abundance

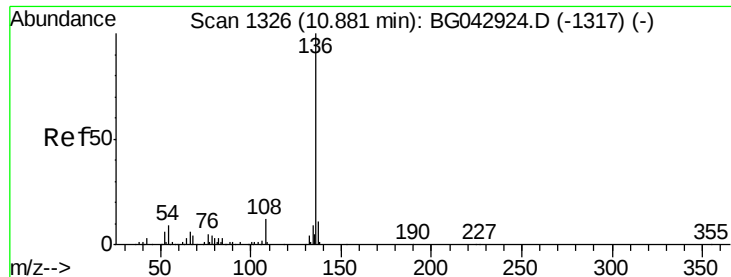
Ion 70.00 (69.70 to 70.70): BGC

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

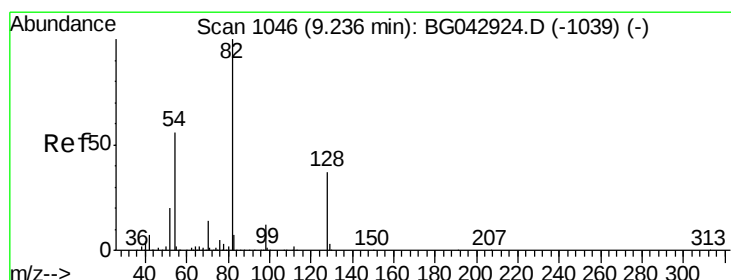
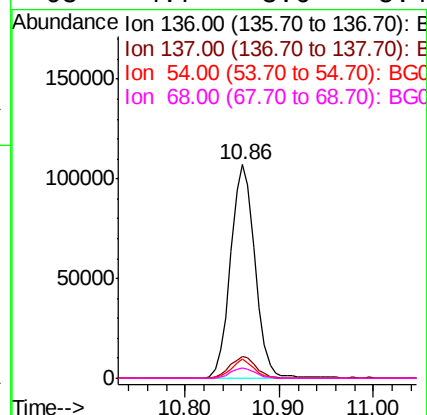
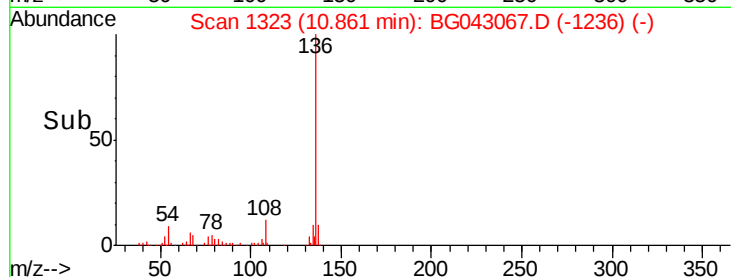
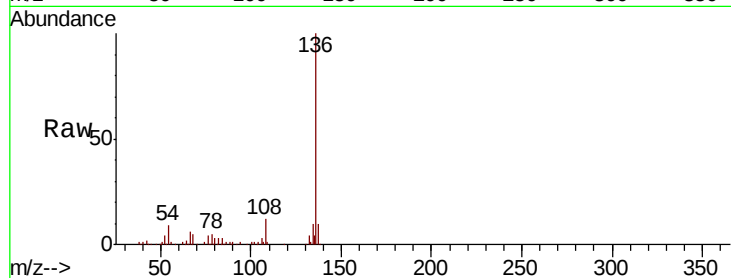




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

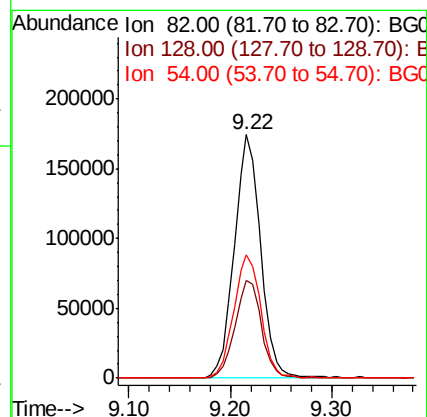
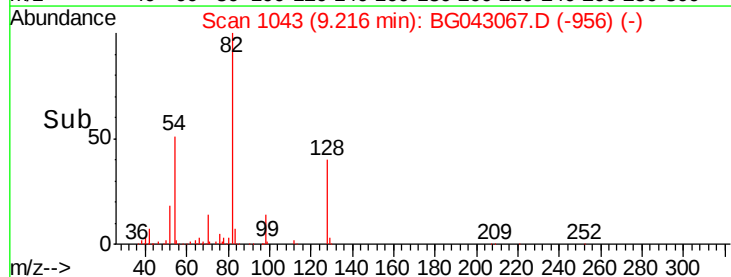
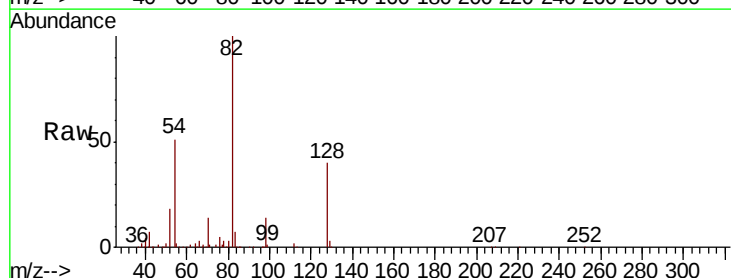
Instrument :
BNA_G
ClientSampleId :

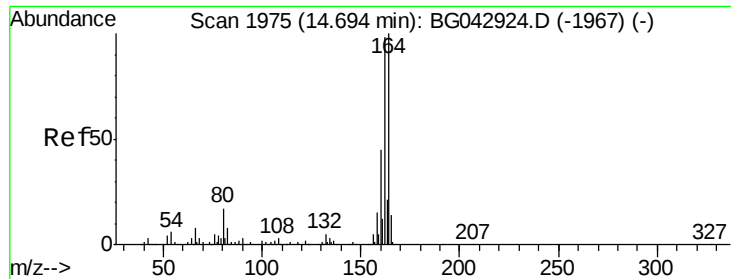
Tot Ion:136	Resp:	193221
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.5	12.7
54 8.8	7.4	11.2
68 4.7	3.6	5.4



#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 :

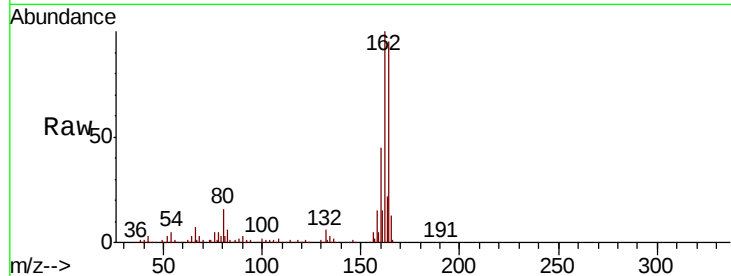
Tot Ion:164 Resp: 151806

Ion Ratio Lower Upper

164 100

162 105.3 78.5 117.7

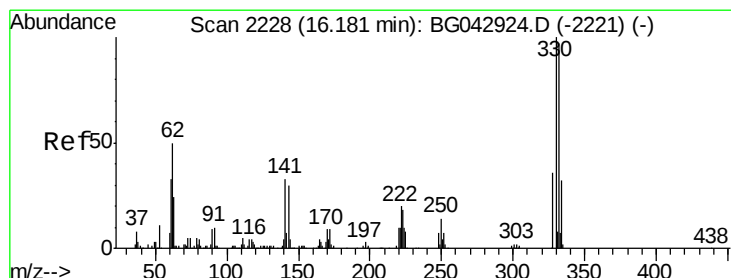
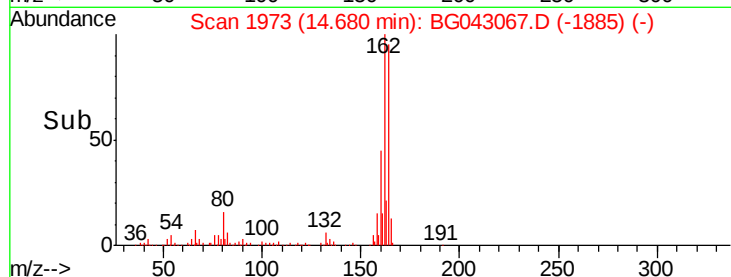
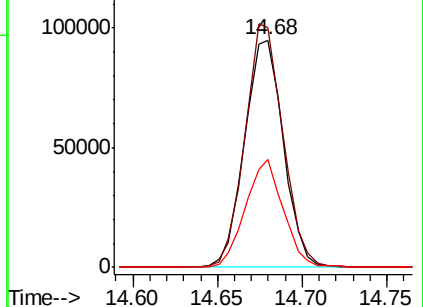
160 47.8 35.9 53.9



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

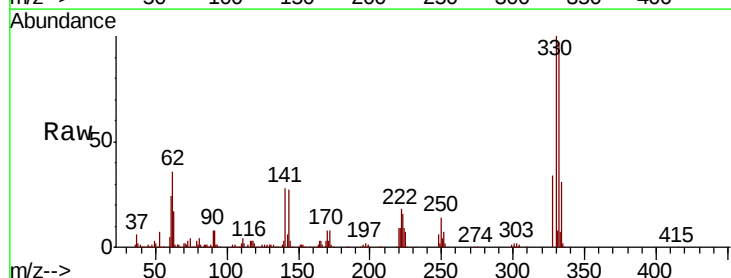
Tgt Ion:330 Resp: 390239

Ion Ratio Lower Upper

330 100

332 95.8 78.2 117.2

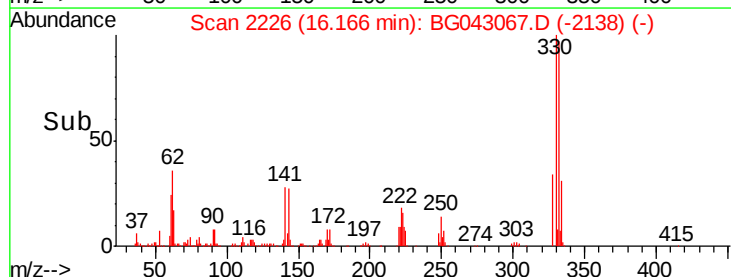
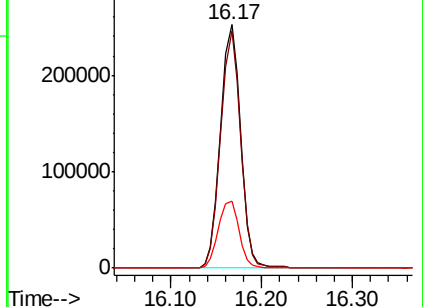
141 28.3 26.0 39.0

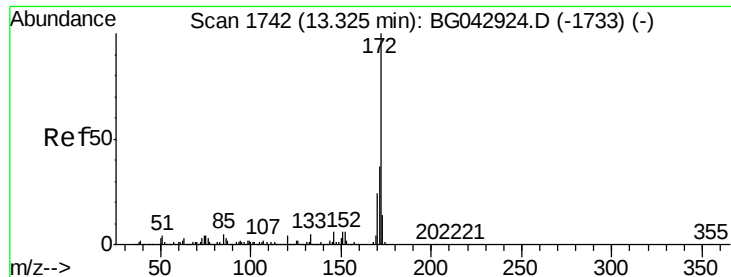


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

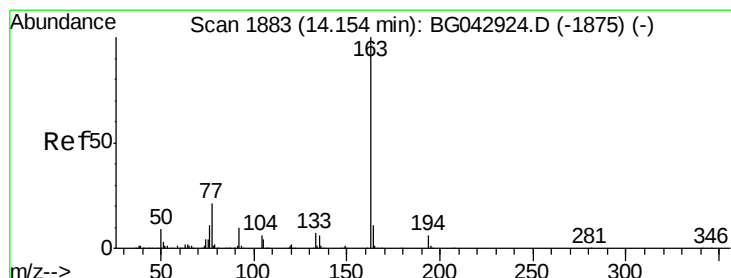
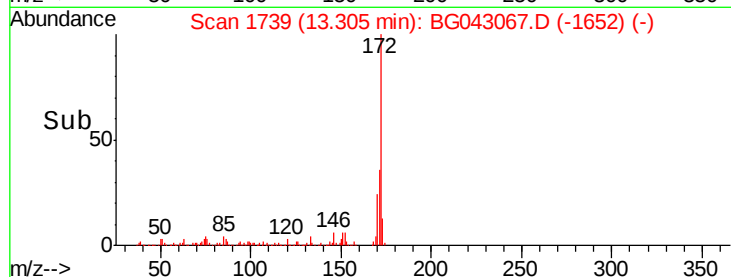
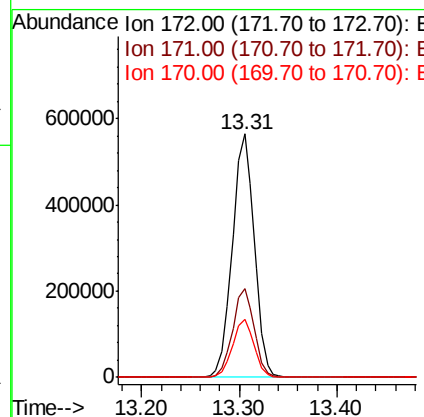
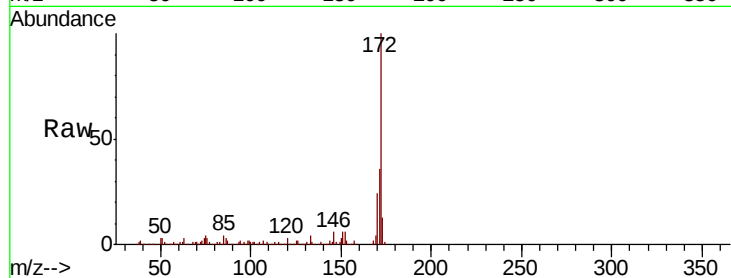




#45
2-Fluorobiphenyl
Concen: 84.180 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043067.D
Acq: 7 Oct 2019 14:41

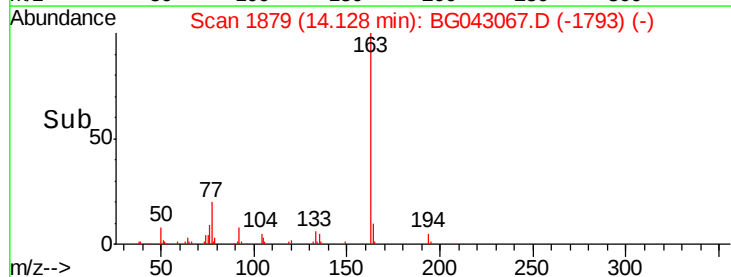
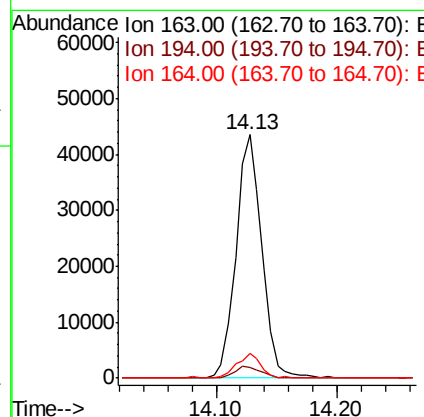
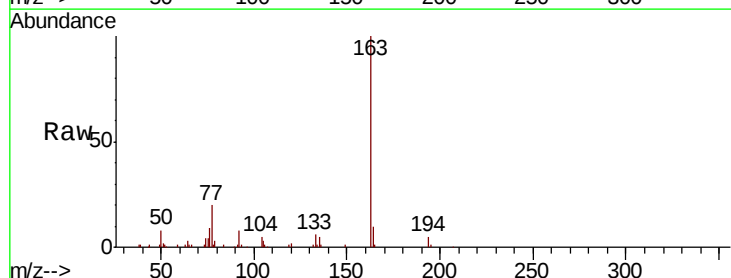
Instrument :
BNA_G
ClientSampleId :

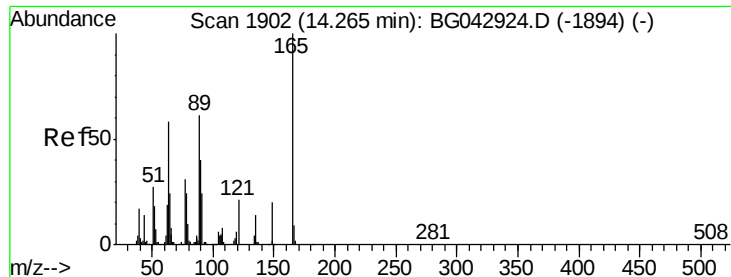
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.0	19.6	29.4



#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	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 :

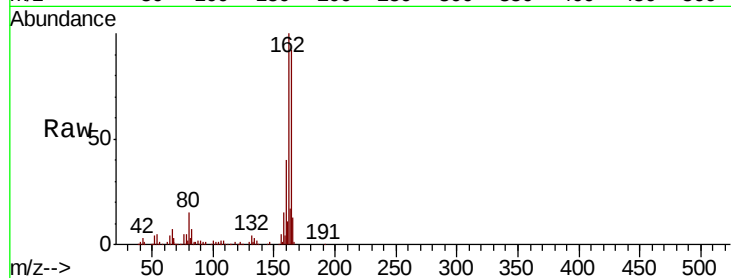
Tot Ion:165 Resp: 20020

Ion Ratio Lower Upper

165 100

63 0.0 50.3 75.5#

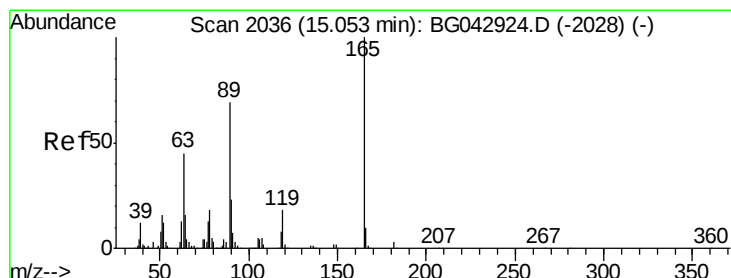
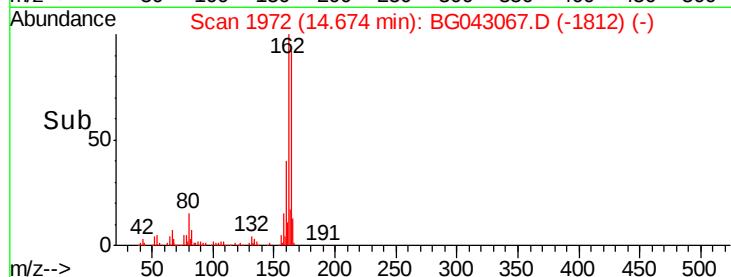
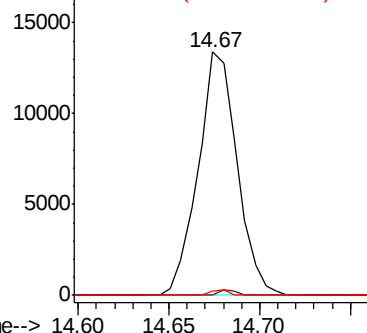
89 1.8 48.9 73.3#



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: 5.644 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:165 Resp: 20020

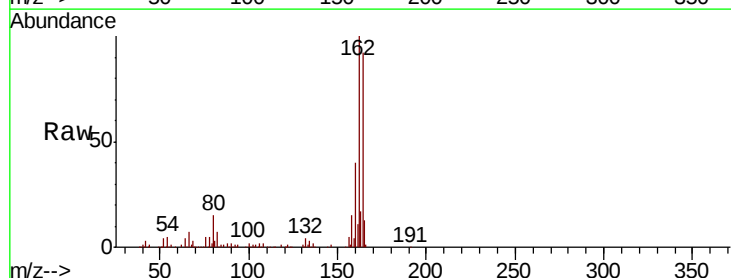
Ion Ratio Lower Upper

165 100

63 0.0 36.5 54.7#

89 1.8 55.5 83.3#

182 0.0 2.4 3.6#

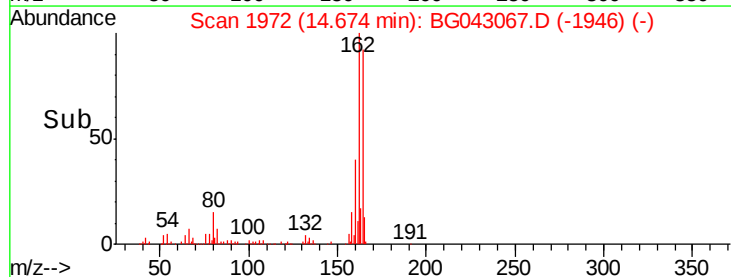
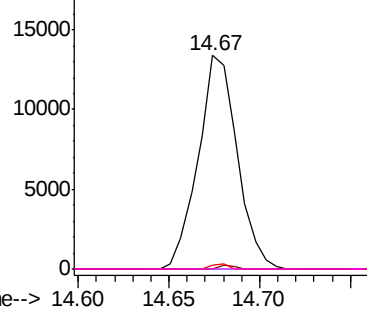


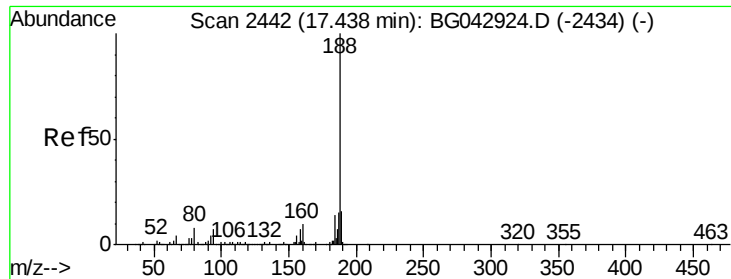
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG043067.D

Acq: 7 Oct 2019 14:41

Instrument :

BNA_G

ClientSampleId :

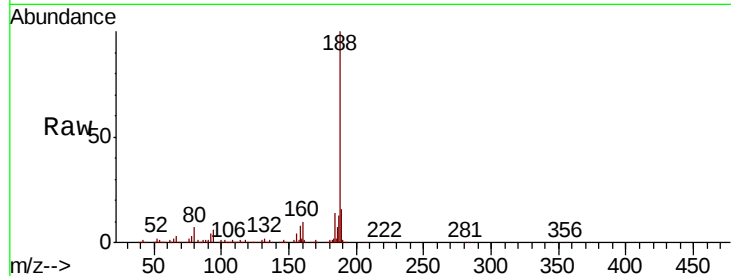
Tot Ion:188 Resp: 406613

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

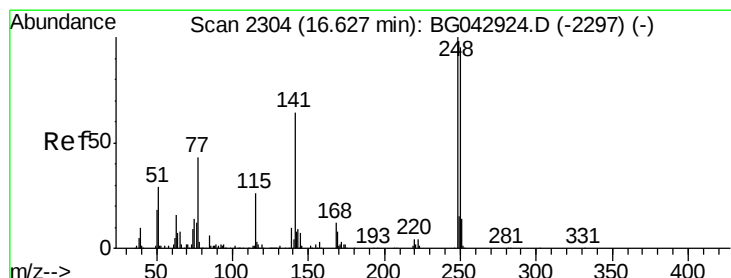
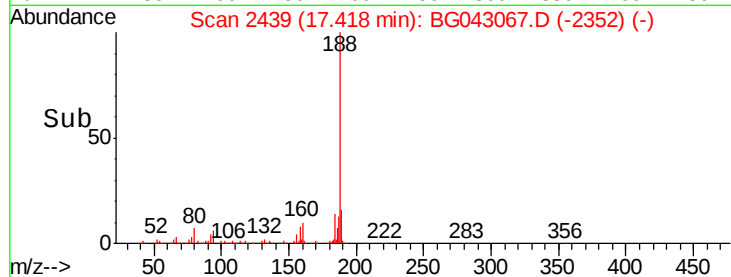
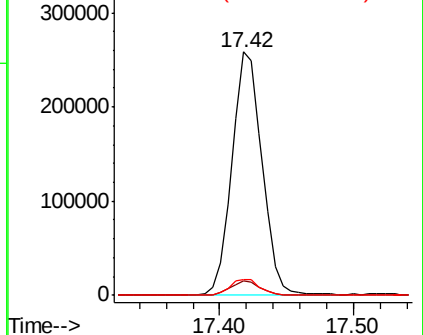
80 6.6 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#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

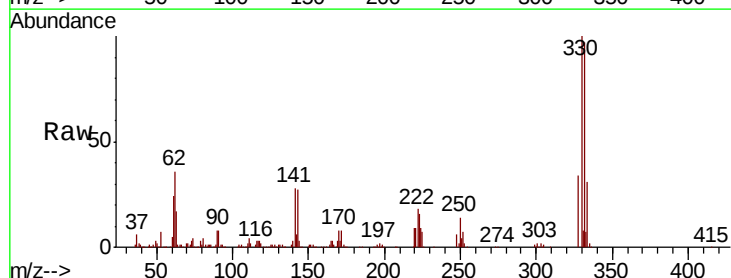
Tgt Ion:248 Resp: 25932

Ion Ratio Lower Upper

248 100

250 215.4 75.8 113.8#

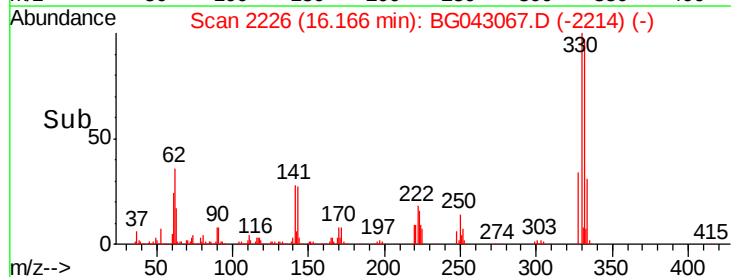
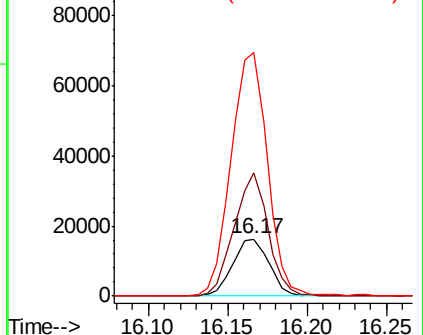
141 424.7 51.1 76.7#

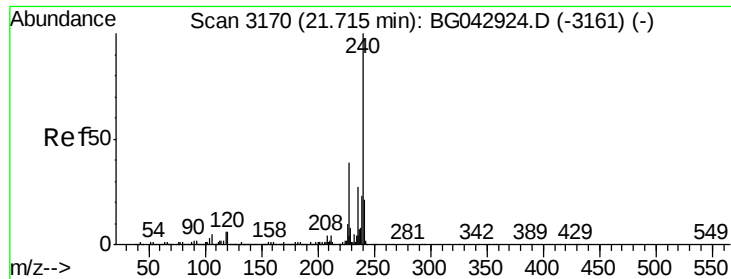


Abundance Ion 248.00 (247.70 to 248.70): E

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 :

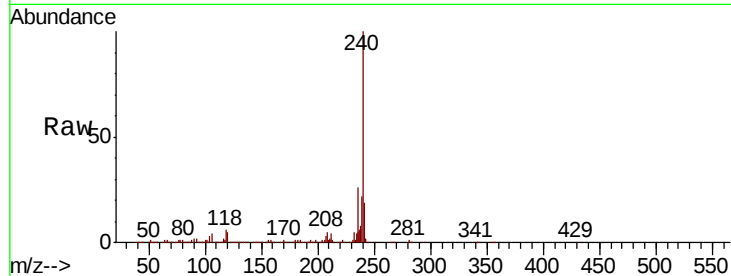
Tot Ion:240 Resp: 465808

Ion Ratio Lower Upper

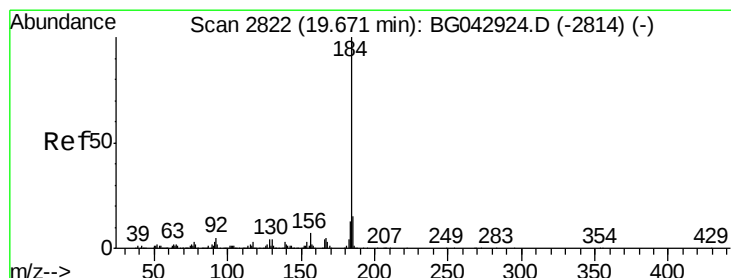
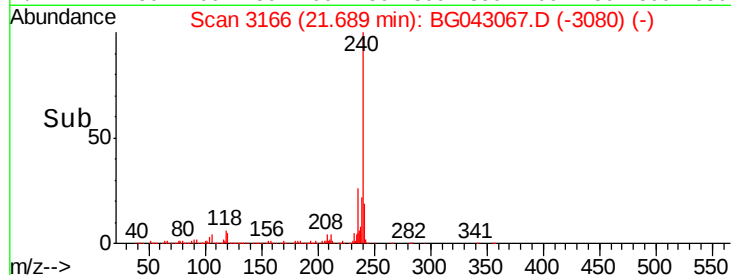
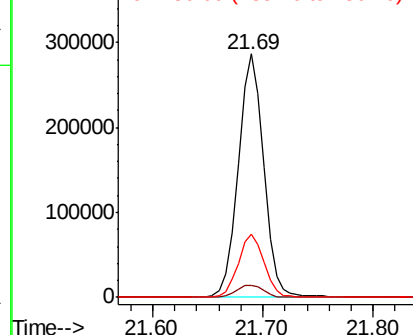
240 100

120 5.1 4.8 7.2

236 26.1 21.4 32.0



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: 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

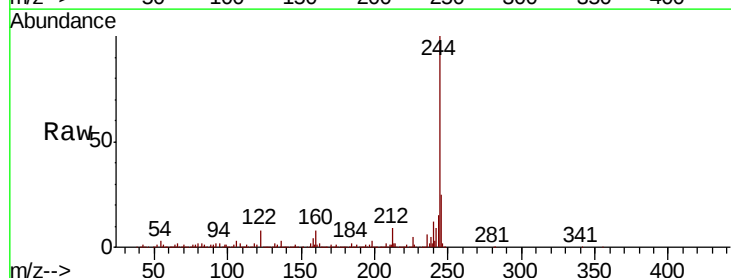
Tgt Ion:184 Resp: 36266

Ion Ratio Lower Upper

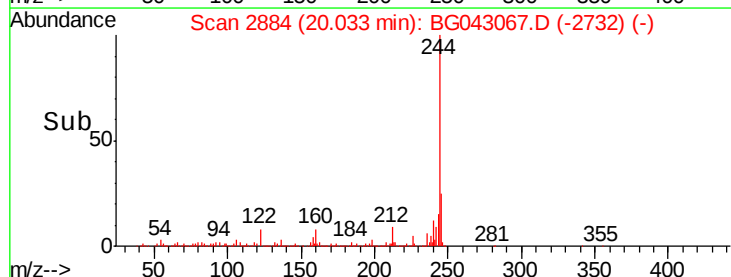
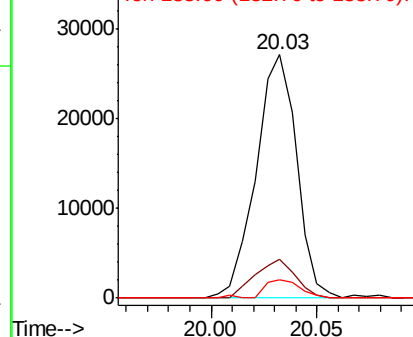
184 100

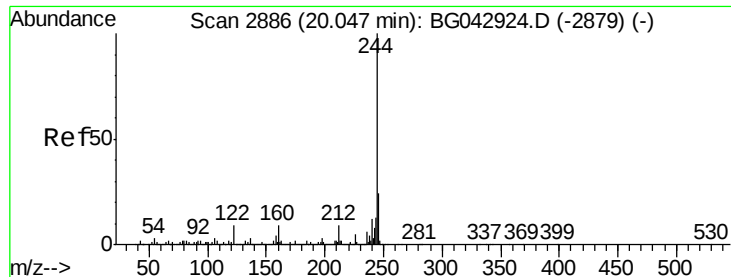
185 16.1 11.8 17.8

183 7.4 10.1 15.1#



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: 96.250 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 :

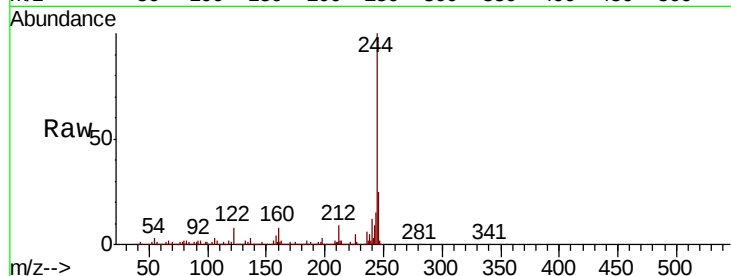
Tot Ion:244 Resp: 2104010

Ion Ratio Lower Upper

244 100

212 8.9 7.4 11.0

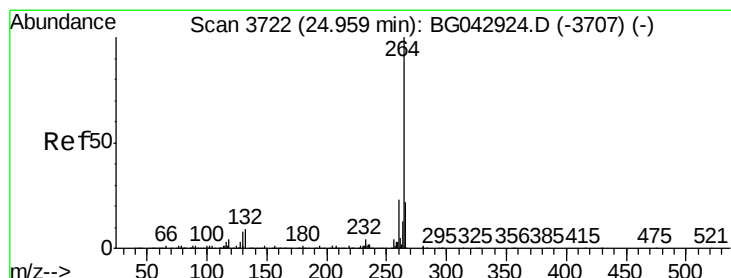
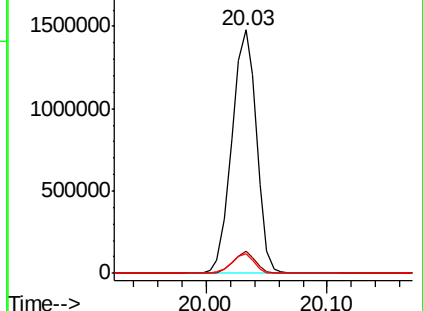
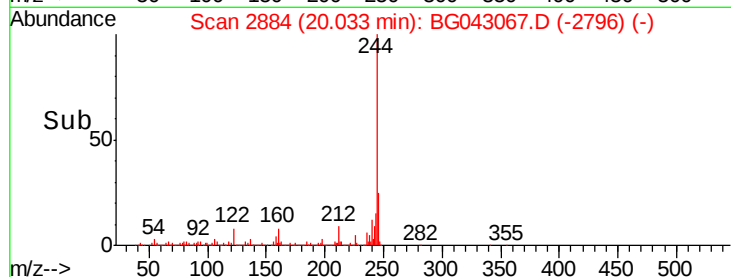
122 7.9 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

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

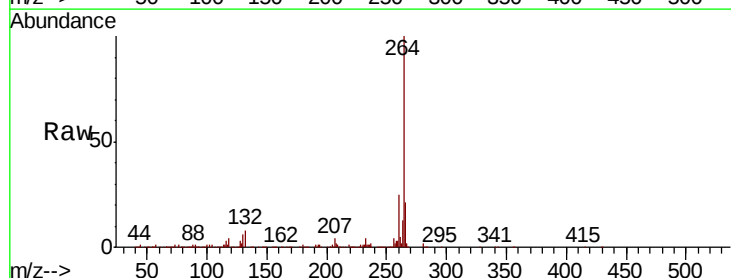
Tgt Ion:264 Resp: 524088

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

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

