

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
 Data File : BG043250.D
 Acq On : 16 Oct 2019 18:18
 Operator : JU
 Sample : PB123988TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123988TB

Quant Time: Oct 17 01:53:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

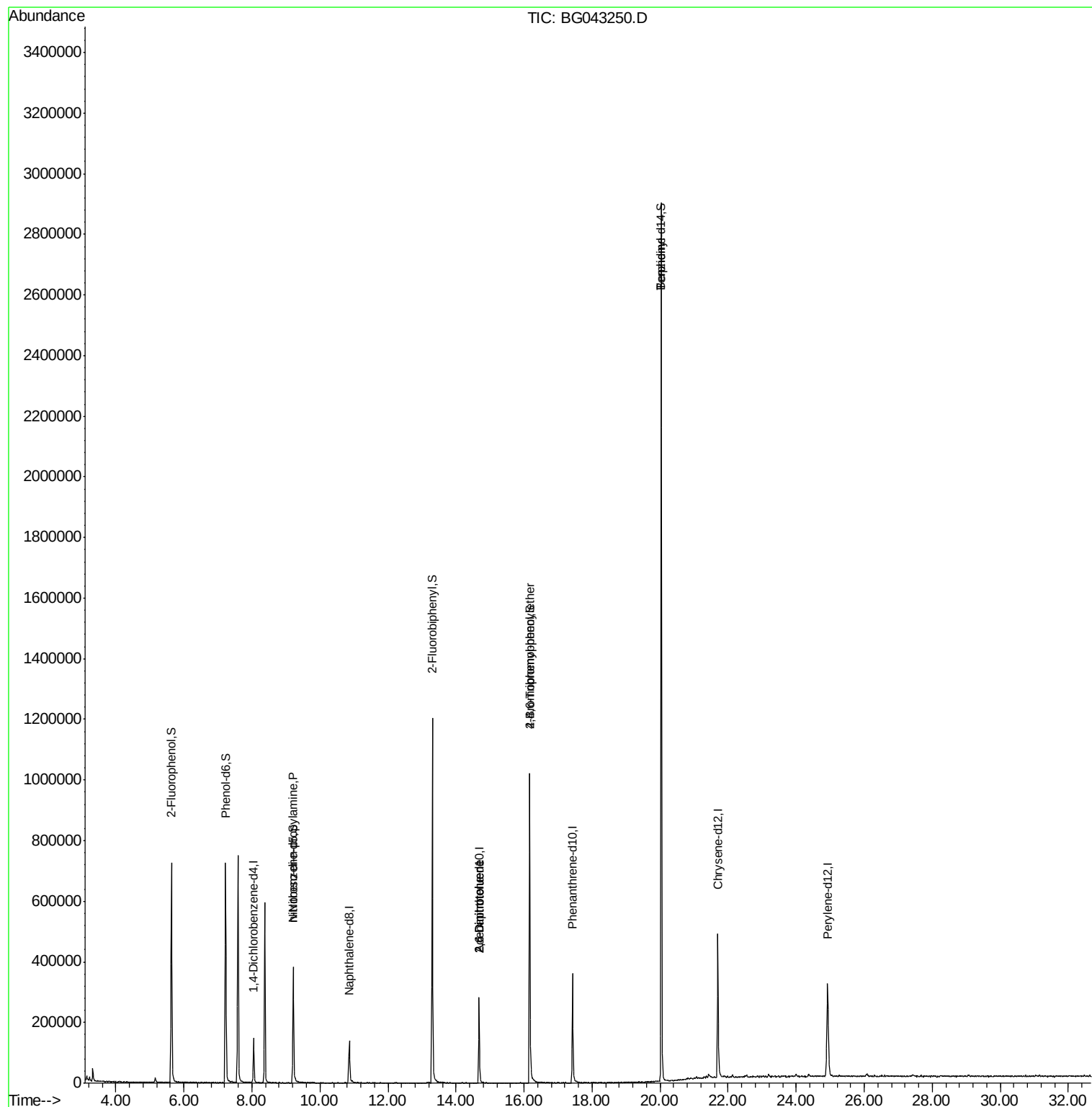
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	46157	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	149566	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	112558	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	274993	20.00	ng	0.00
76) Chrysene-d12	21.70	240	328613	20.00	ng	0.00
87) Perylene-d12	24.92	264	375727	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	329091	127.24	ng	0.00
7) Phenol-d6	7.22	99	449412	120.66	ng	0.00
23) Nitrobenzene-d5	9.21	82	276173	89.75	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	268101	138.52	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	709279	91.35	ng	0.00
79) Terphenyl-d14	20.03	244	1516680	98.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	38390	15.697	ng	# 71
51) 2,6-Dinitrotoluene	14.67	165	15932	8.871	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	15932	6.058	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	16801	4.868	ng	# 1
77) Benzidine	20.03	184	22693	2.758	ng	# 95

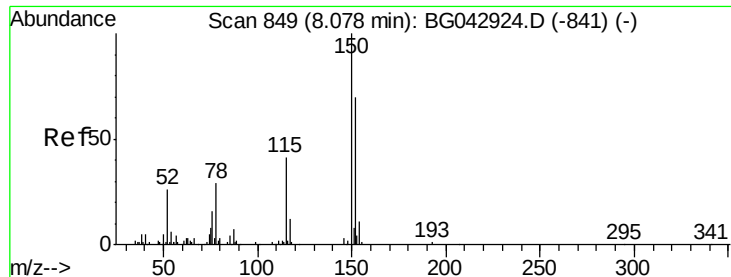
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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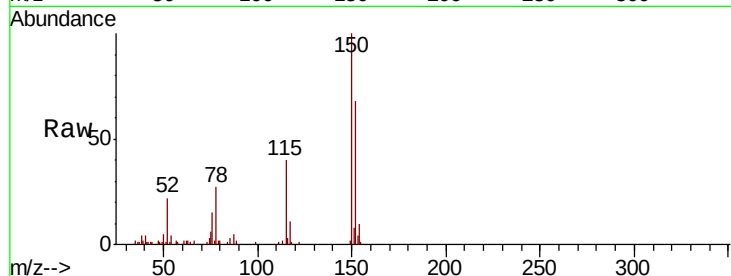


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043250.D
Acq: 16 Oct 2019 18:18

Instrument :
BNA_G
ClientSampleId :
PB123988TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.4	115.0	172.4
115	58.6	47.0	70.6

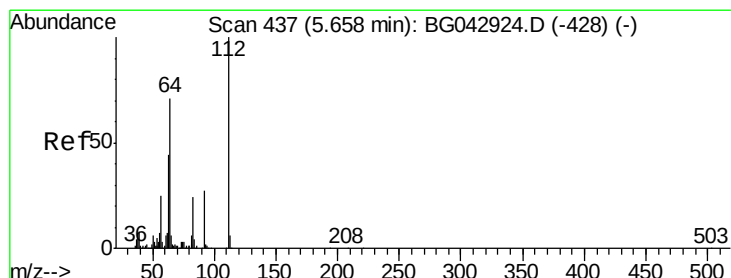
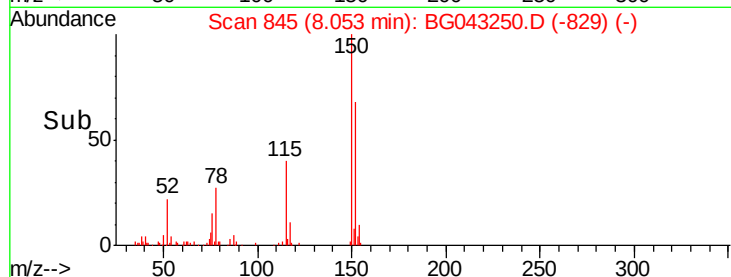
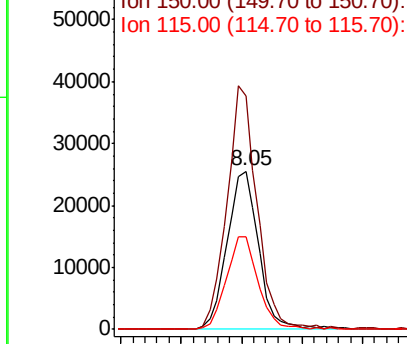


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

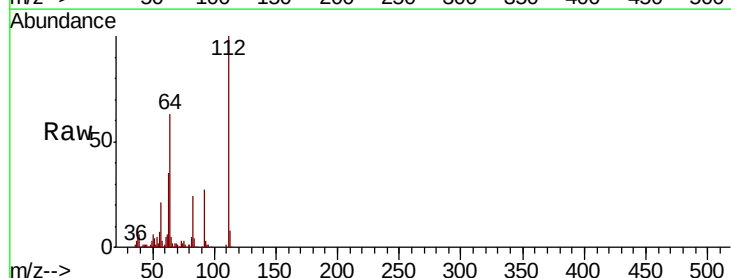
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.240 ng
RT: 5.63 min Scan# 433
Delta R.T. -0.01 min
Lab File: BG043250.D
Acq: 16 Oct 2019 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	56.6	84.8
63	34.6	35.1	52.7#

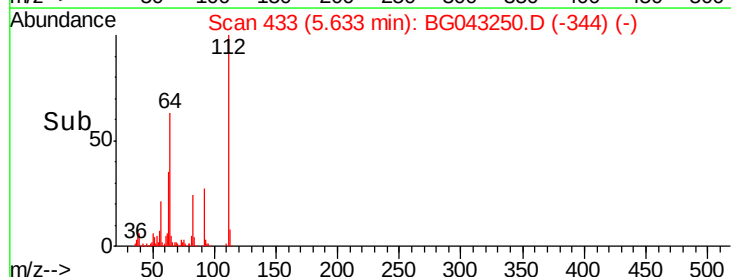
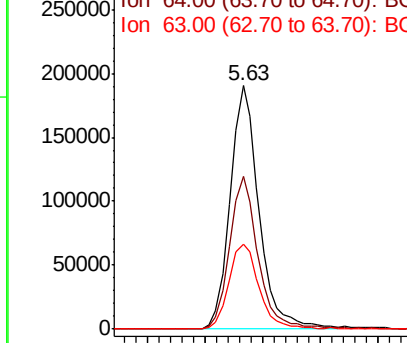


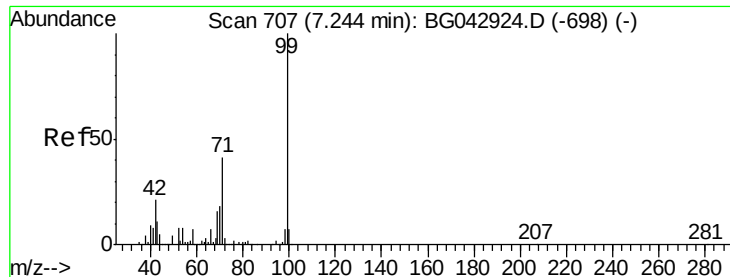
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.663 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

Instrument :

BNA_G

ClientSampleId :

PB123988TB

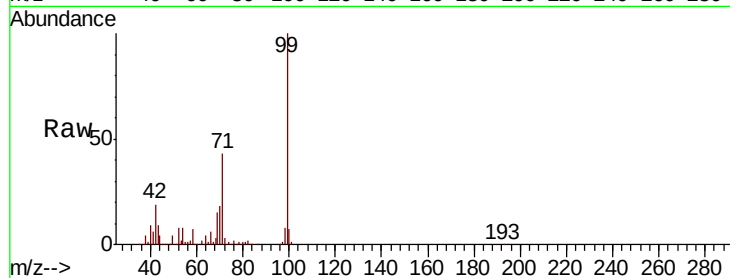
Tot Ion: 99 Resp: 449412

Ion Ratio Lower Upper

99 100

42 18.5 17.2 25.8

71 42.7 33.1 49.7

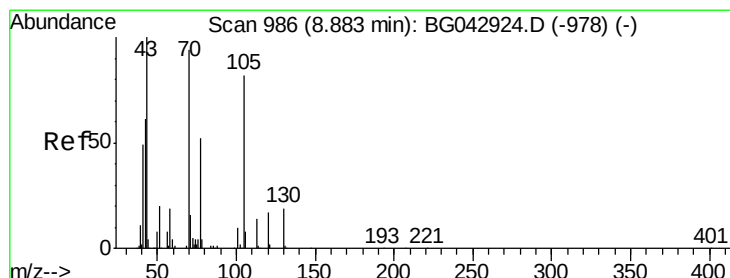
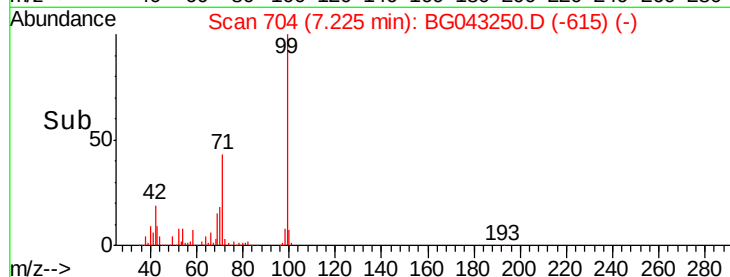
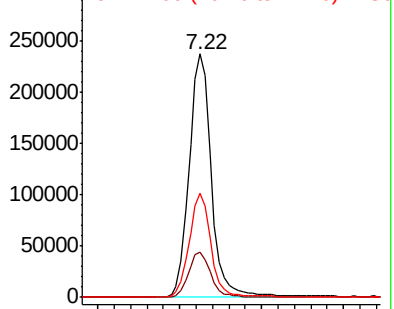


Abundance

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: 15.697 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

Tgt Ion: 70 Resp: 38390

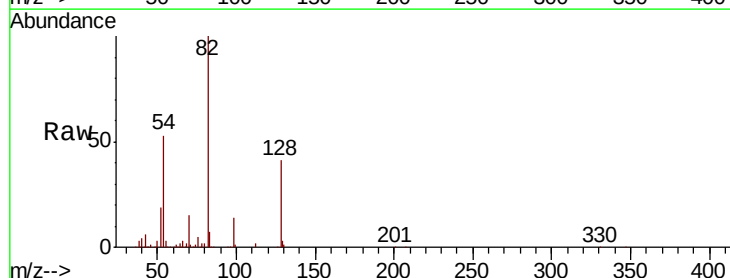
Ion Ratio Lower Upper

70 100

42 43.9 52.6 79.0#

101 0.0 8.7 13.1#

130 4.1 15.8 23.8#



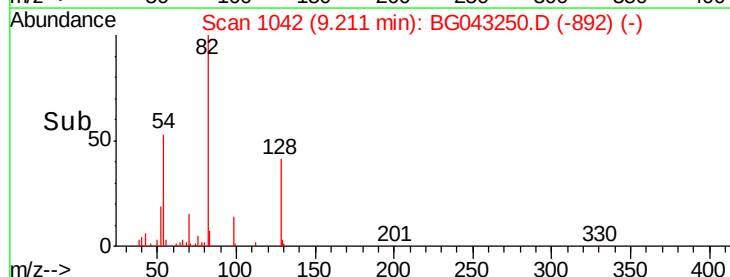
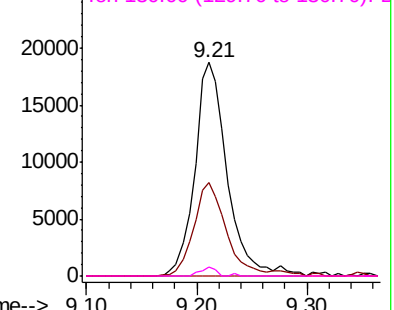
Abundance

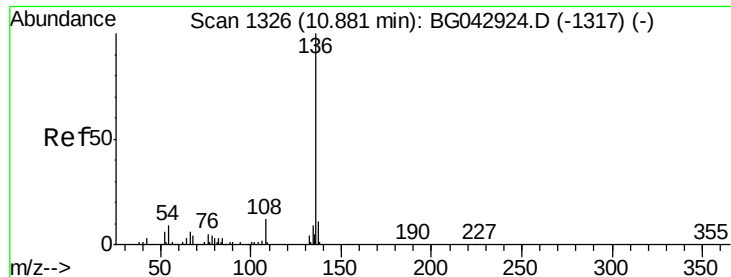
Ion 70.00 (69.70 to 70.70): BGC

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

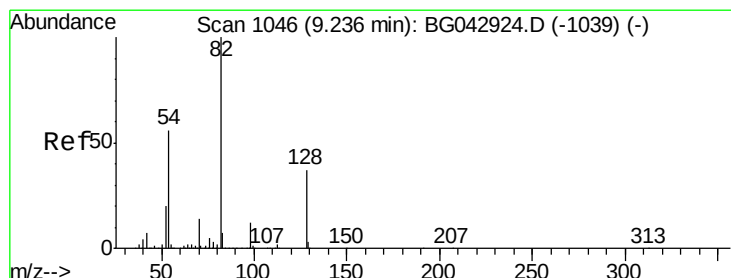
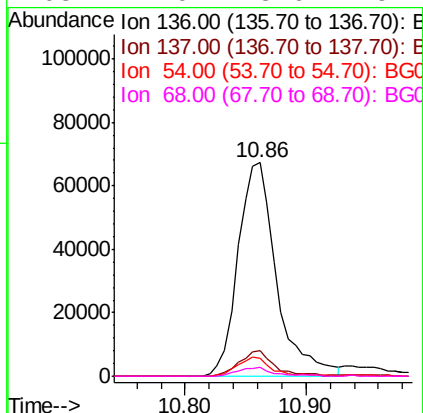
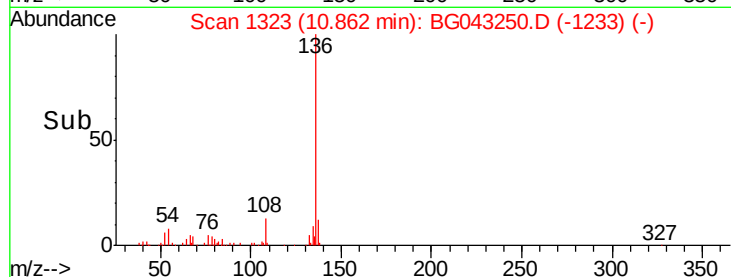
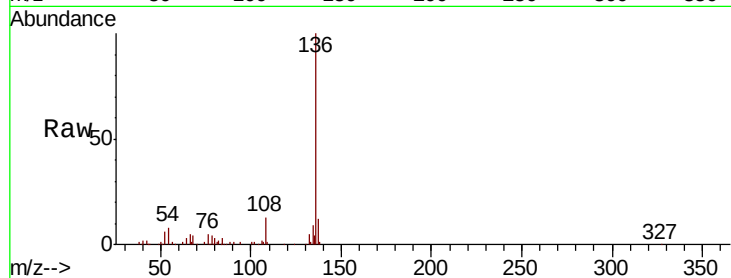




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BG043250.D
Acq: 16 Oct 2019 18:18

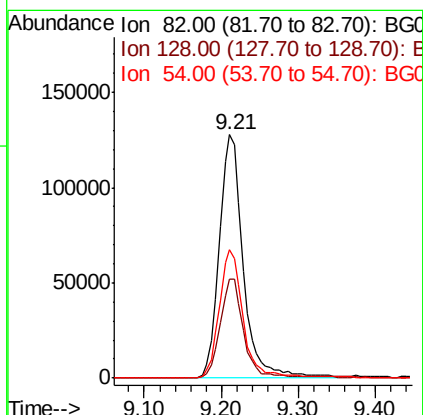
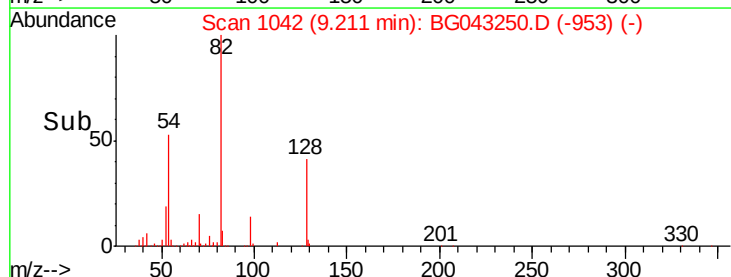
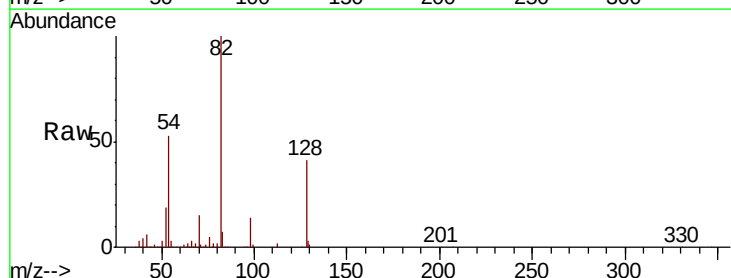
Instrument :
BNA_G
ClientSampleId :
PB123988TB

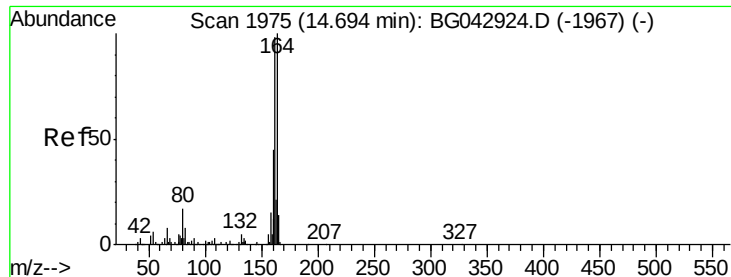
Tot Ion:136	Resp:	149566
Ion Ratio	Lower	Upper
136	100	
137	12.1	8.5 12.7
54	8.3	7.4 11.2
68	4.0	3.6 5.4



#23
Nitrobenzene-d5
Concen: 89.749 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG043250.D
Acq: 16 Oct 2019 18:18

Tgt Ion: 82	Resp:	276173
Ion Ratio	Lower	Upper
82	100	
128	40.7	29.5 44.3
54	52.9	44.6 67.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

Instrument :

BNA_G

ClientSampleId :

PB123988TB

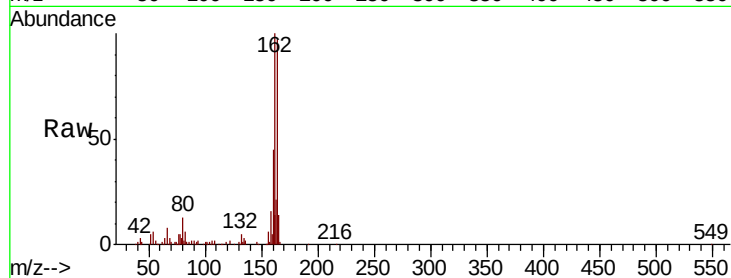
Tot Ion:164 Resp: 112558

Ion Ratio Lower Upper

164 100

162 103.0 78.5 117.7

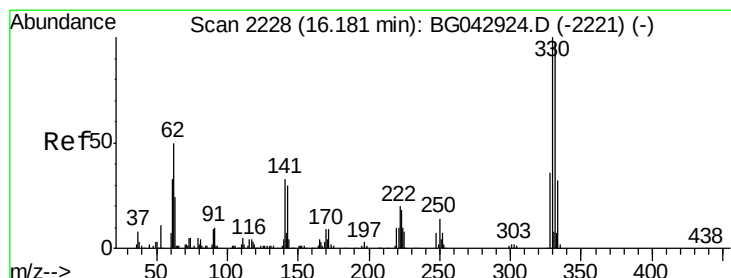
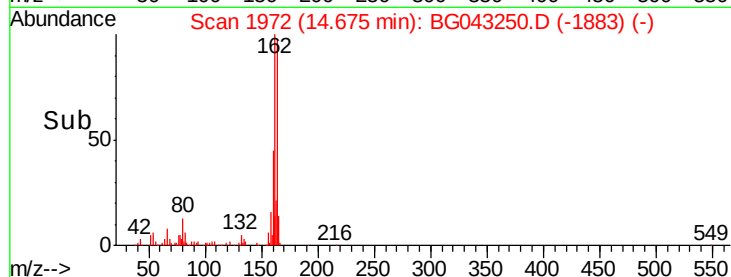
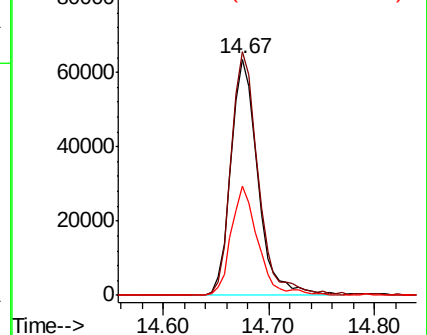
160 46.1 35.9 53.9



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: 138.517 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

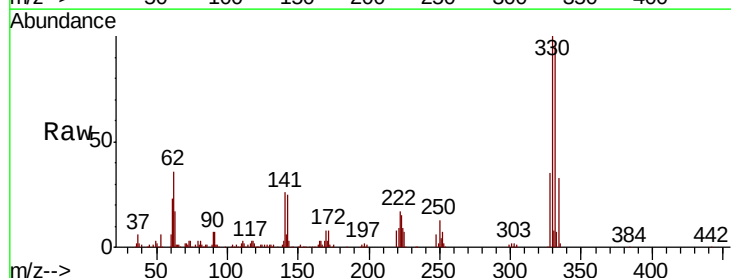
Tgt Ion:330 Resp: 268101

Ion Ratio Lower Upper

330 100

332 97.1 78.2 117.2

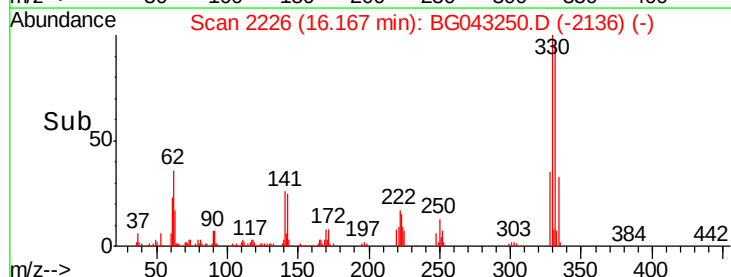
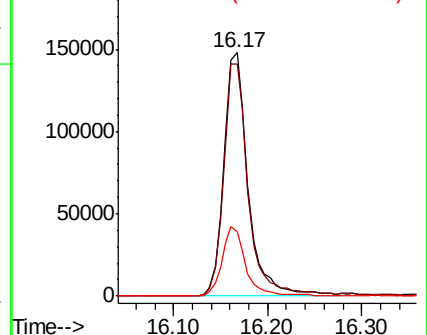
141 27.3 26.0 39.0

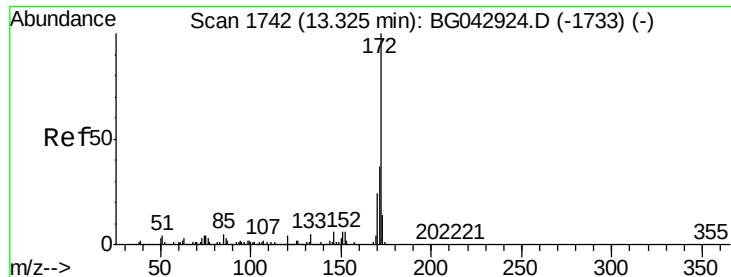


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 91.352 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.01 min

Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

Instrument :

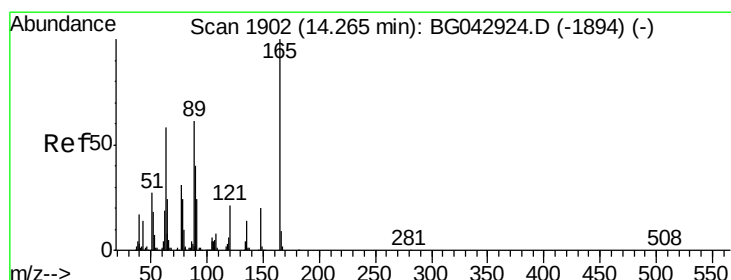
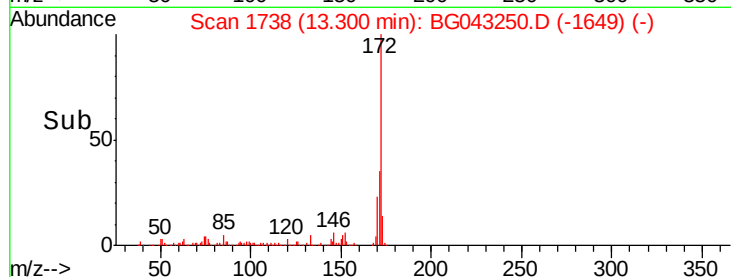
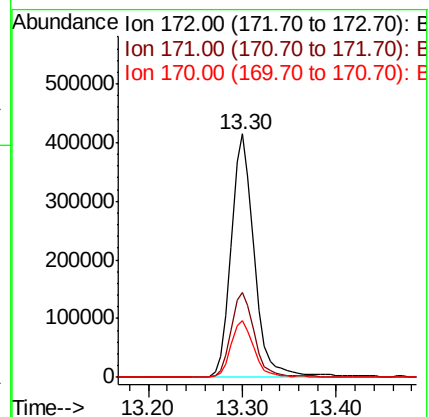
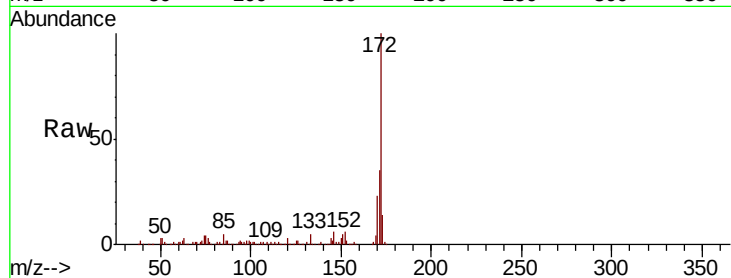
BNA_G

ClientSampleId :

PB123988TB

Tot Ion:172 Resp: 709279

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	23.4	19.6	29.4



#51

2,6-Dinitrotoluene

Concen: 8.871 ng

RT: 14.67 min Scan# 1972

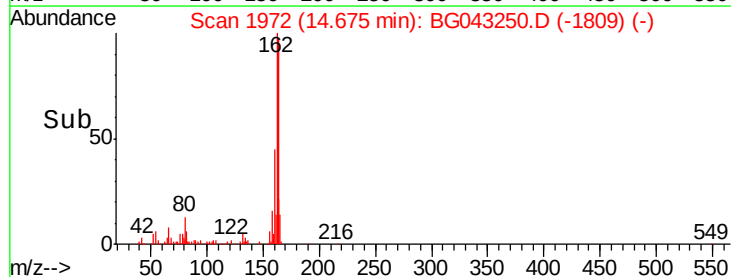
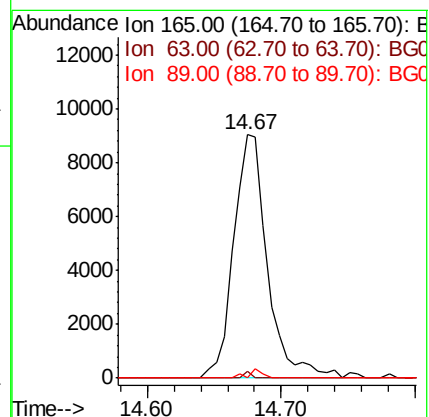
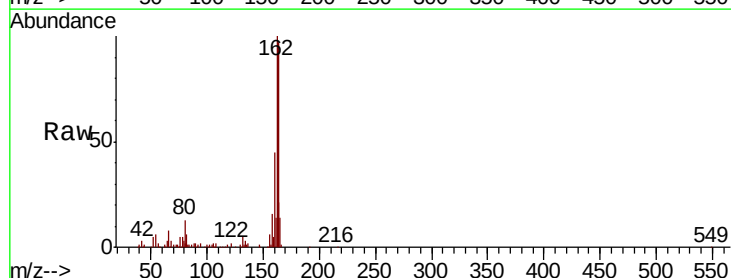
Delta R.T. 0.43 min

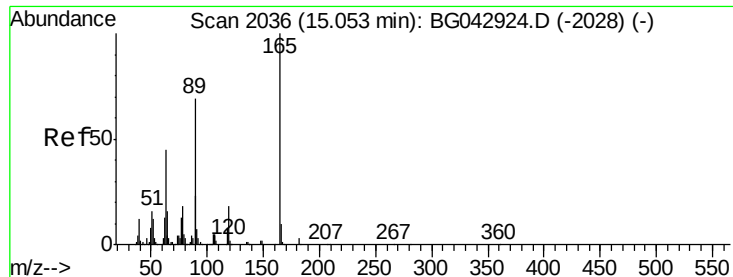
Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

Tgt Ion:165 Resp: 15932

Ion	Ratio	Lower	Upper
165	100		
63	2.6	50.3	75.5#
89	0.0	48.9	73.3#





#57

2,4-Dinitrotoluene

Concen: 6.058 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

Instrument :

BNA_G

ClientSampleId :

PB123988TB

Tot Ion:165 Resp: 15932

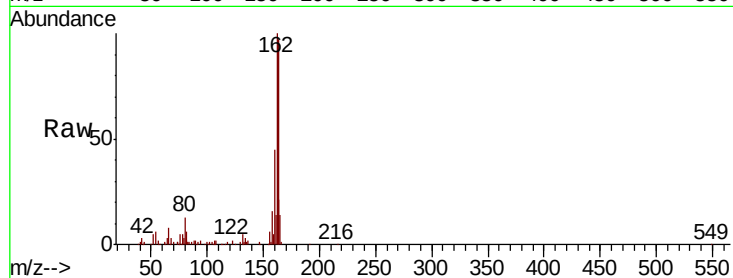
Ion Ratio Lower Upper

165 100

63 2.6 36.5 54.7#

89 0.0 55.5 83.3#

182 0.0 2.4 3.6#

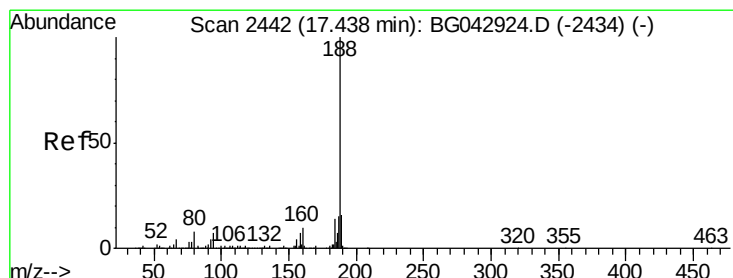
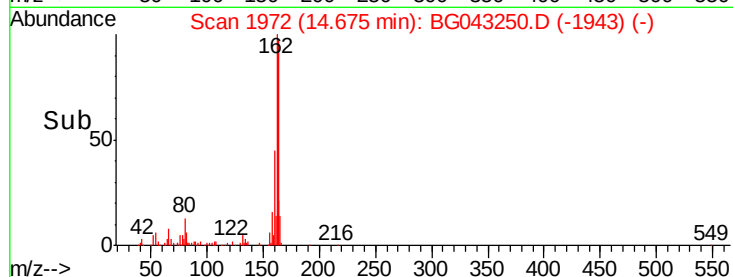
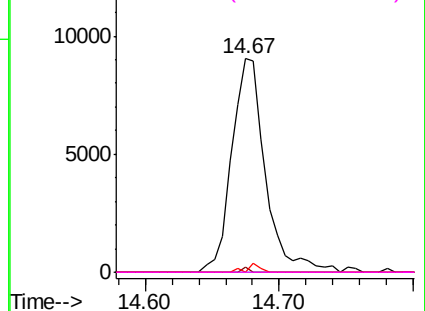


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2440

Delta R.T. 0.01 min

Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

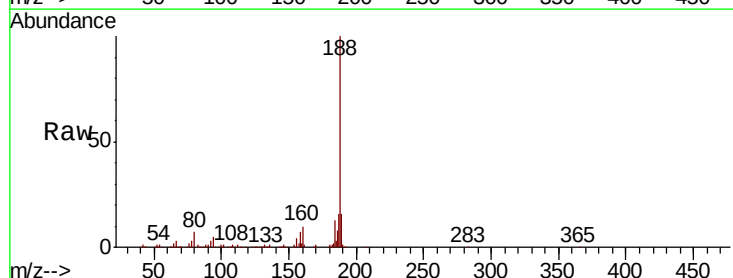
Tgt Ion:188 Resp: 274993

Ion Ratio Lower Upper

188 100

94 5.2 5.7 8.5#

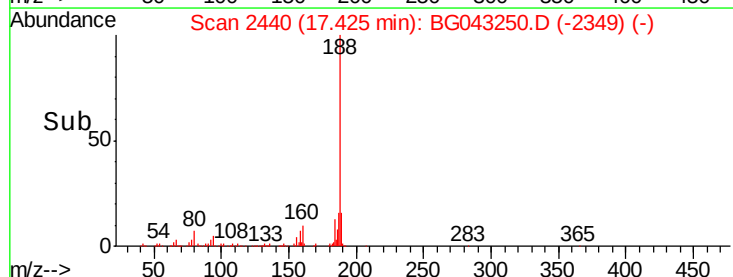
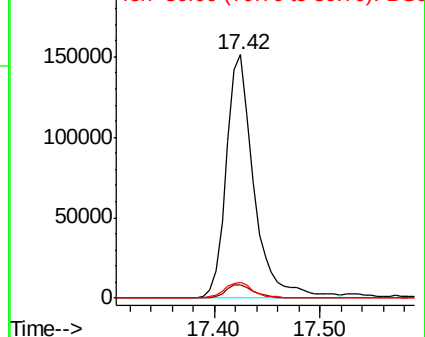
80 6.5 6.5 9.7

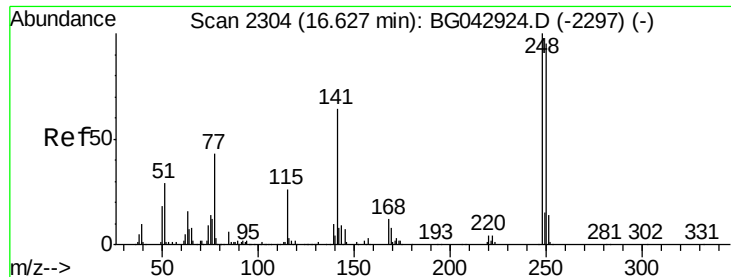


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

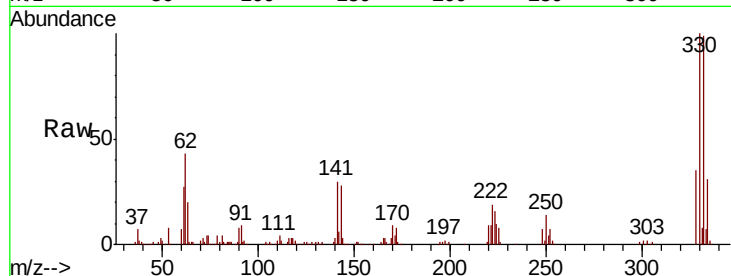




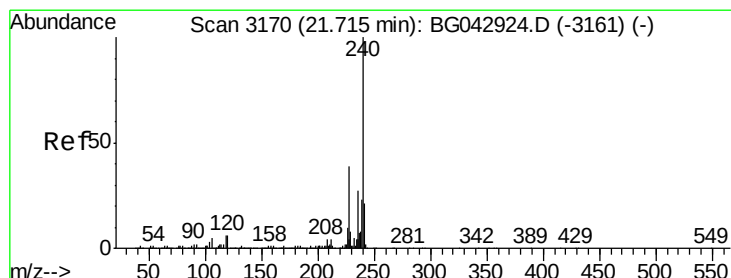
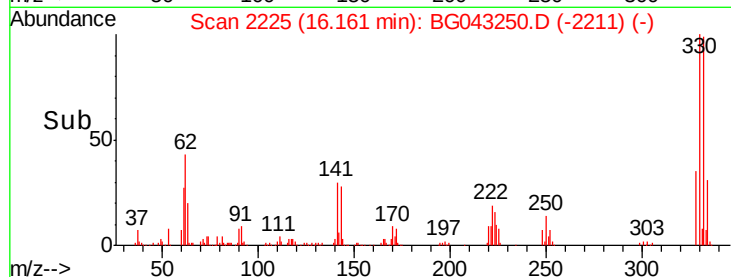
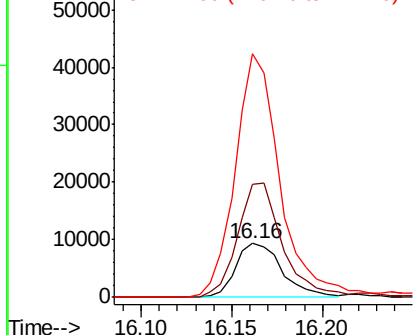
#67
4-Bromophenyl-phenylether
Concen: 4.868 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.45 min
Lab File: BG043250.D
Acq: 16 Oct 2019 18:18

Instrument :
BNA_G
ClientSampled :
PB123988TB

Tot Ion:248 Resp: 16801
Ion Ratio Lower Upper
248 100
250 211.8 75.8 113.8#
141 453.7 51.1 76.7#

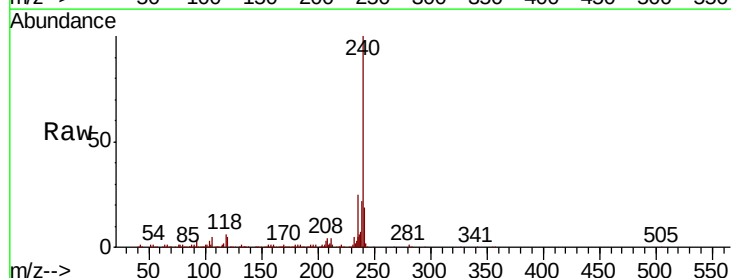


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

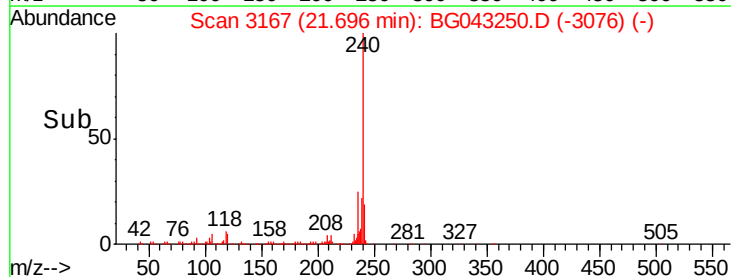
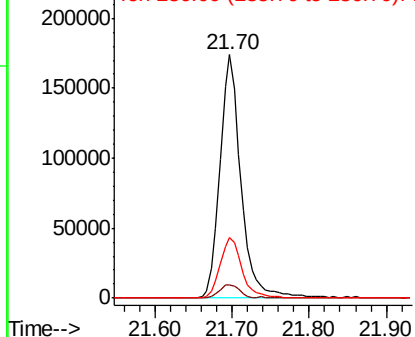


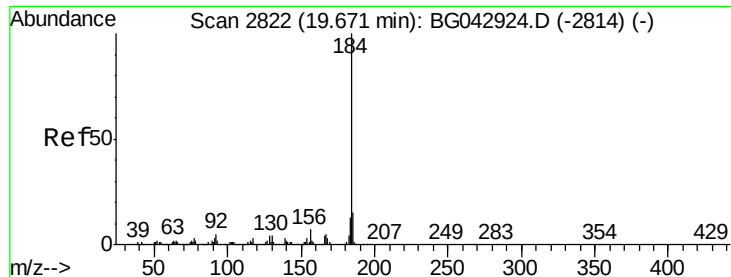
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. 0.01 min
Lab File: BG043250.D
Acq: 16 Oct 2019 18:18

Tgt Ion:240 Resp: 328613
Ion Ratio Lower Upper
240 100
120 5.4 4.8 7.2
236 25.1 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: 2.758 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

Instrument :

BNA_G

ClientSampleId :

PB123988TB

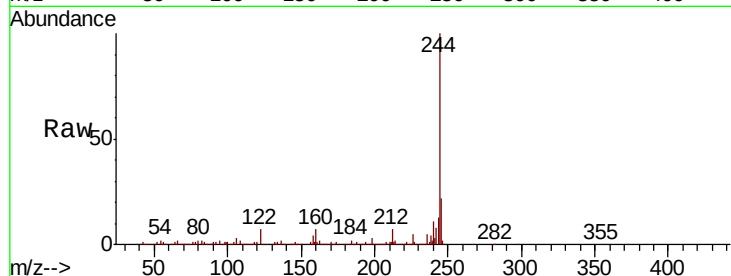
Tot Ion:184 Resp: 22693

Ion Ratio Lower Upper

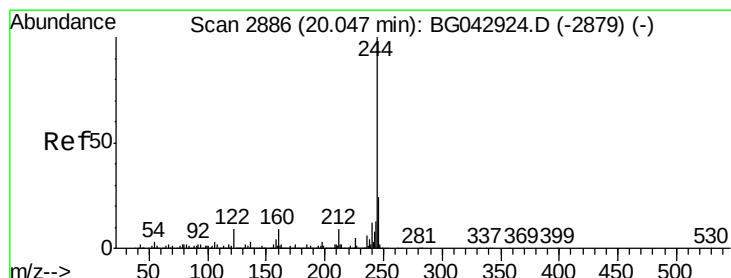
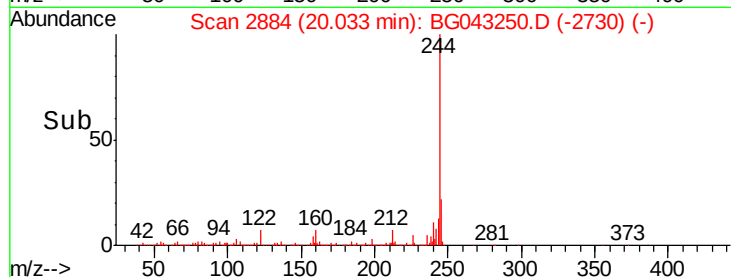
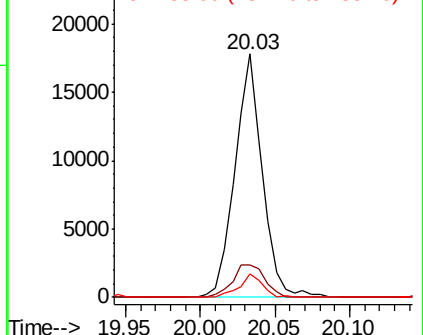
184 100

185 13.4 11.8 17.8

183 9.8 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: 98.349 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG043250.D

Acq: 16 Oct 2019 18:18

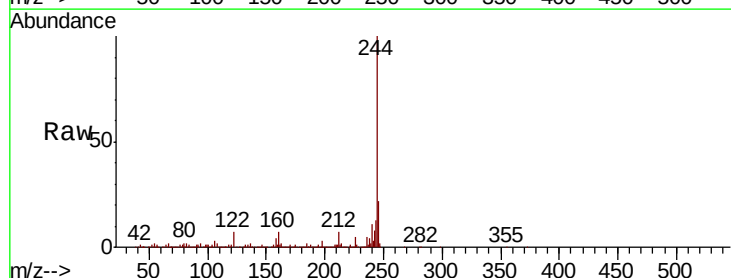
Tgt Ion:244 Resp: 1516680

Ion Ratio Lower Upper

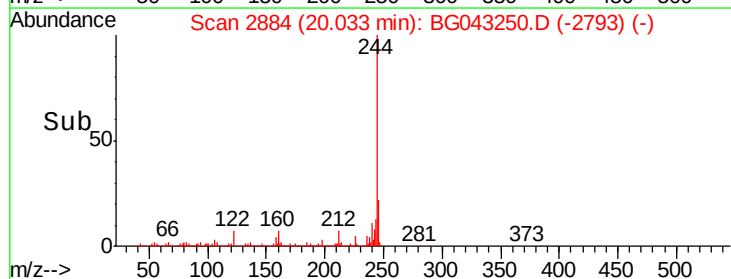
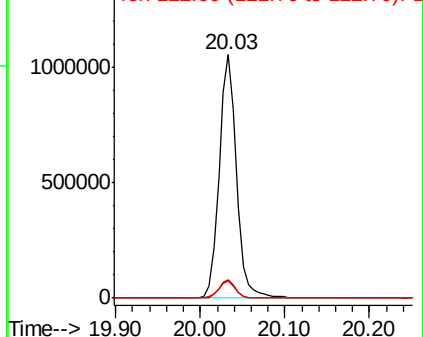
244 100

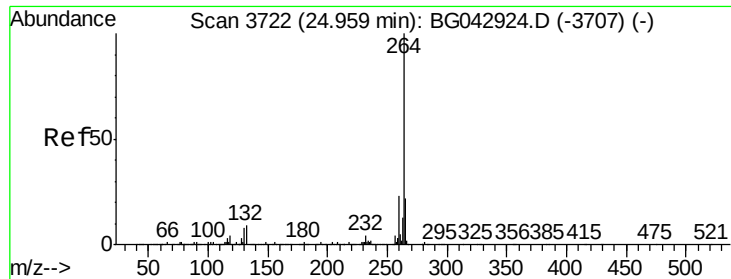
212 7.3 7.4 11.0#

122 6.9 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
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. 0.01 min
Lab File: BG043250.D
Acq: 16 Oct 2019 18:18

Instrument :
BNA_G
ClientSampleId :
PB123988TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	21.8	17.7	26.5

