

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\
 Data File : BG043003.D
 Acq On : 3 Oct 2019 3:26
 Operator : JU
 Sample : PB123570BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123570BL

Quant Time: Oct 03 06:03:59 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

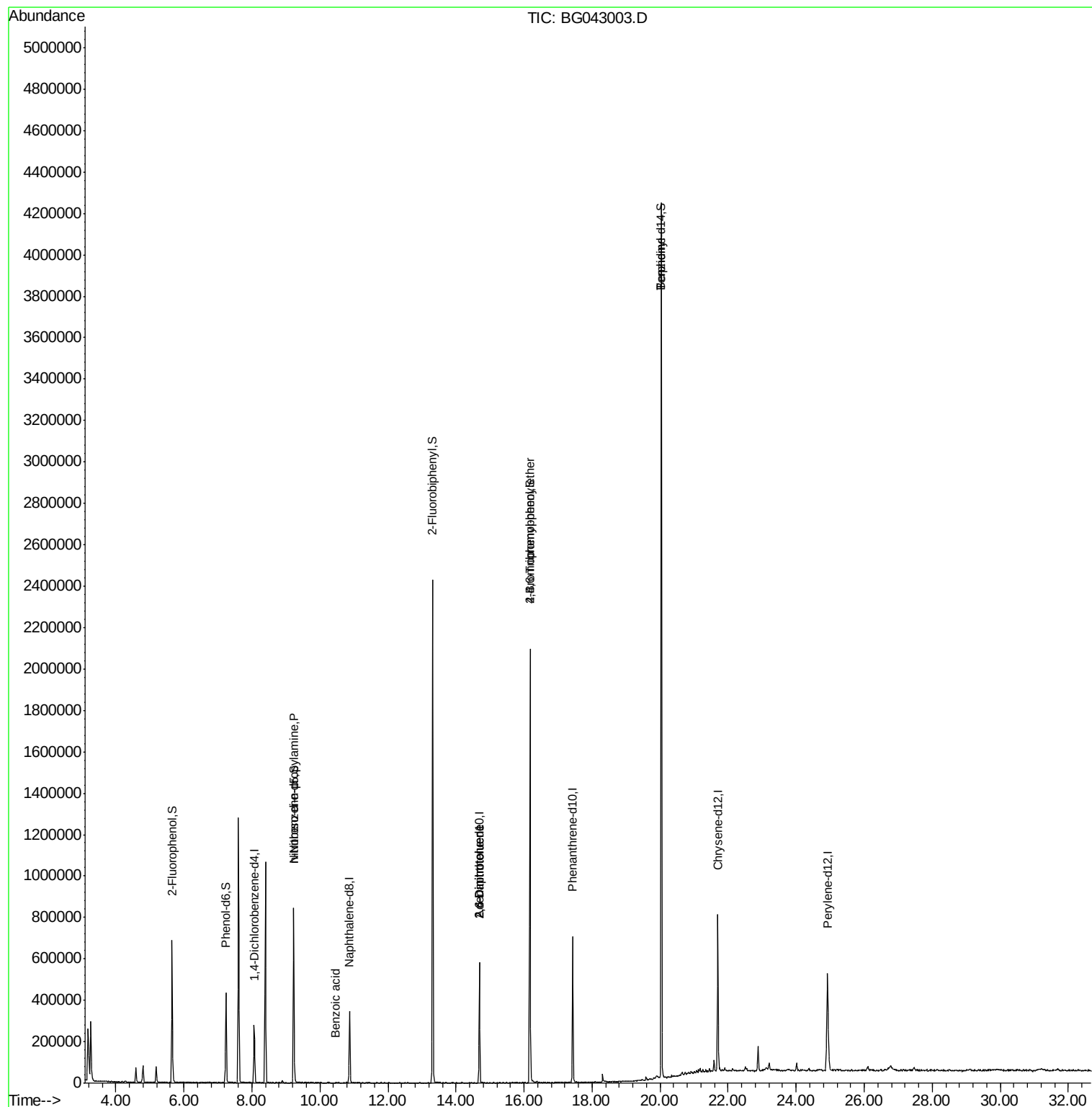
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	81222	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	302616	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	207113	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	457174	20.00	ng	-0.01
76) Chrysene-d12	21.70	240	466271	20.00	ng	-0.02
87) Perylene-d12	24.92	264	531621	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	296777	65.21	ng	0.00
7) Phenol-d6	7.24	99	255136	38.93	ng	0.00
23) Nitrobenzene-d5	9.23	82	527890	84.79	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	458154	128.64	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1289219	90.24	ng	-0.01
79) Terphenyl-d14	20.04	244	2060571	94.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	74060	17.209	ng	# 73
32) Benzoic acid	10.46	122	68	2.823	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	27970	8.464	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	27970	5.780	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	30807	5.369	ng	# 1
77) Benzidine	20.04	184	35088	3.005	ng	# 87

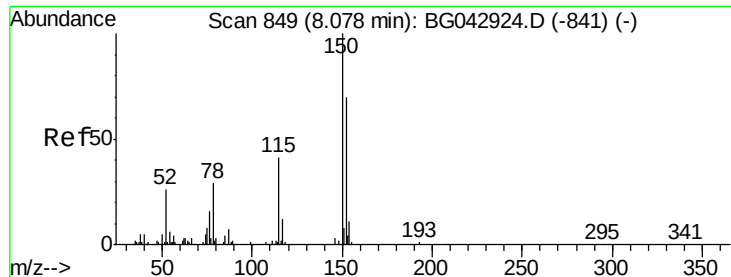
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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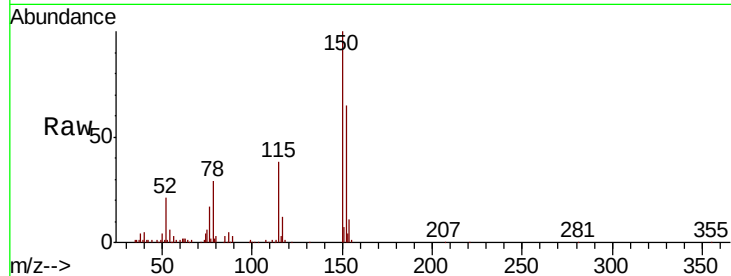


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BG043003.D
 Acq: 3 Oct 2019 3:26

Instrument :
 BNA_G
 ClientSampleId :
 PB123570BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	115.0	172.4
115	58.7	47.0	70.6

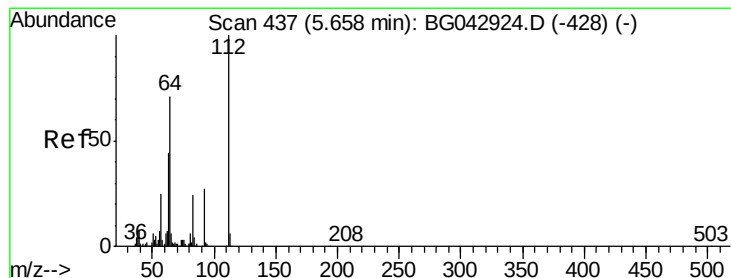
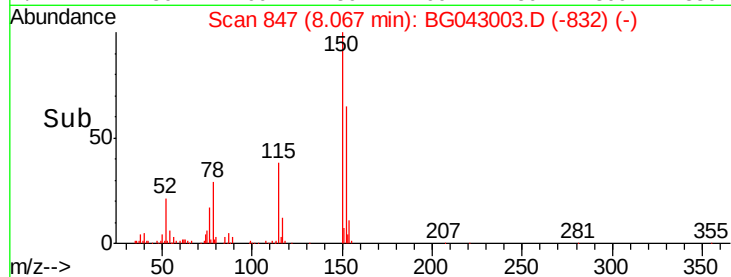
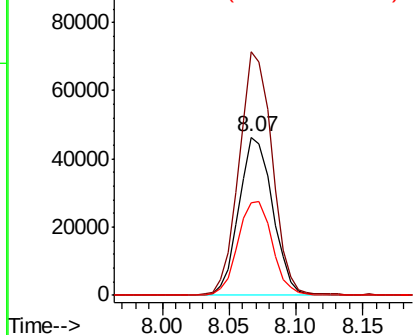


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

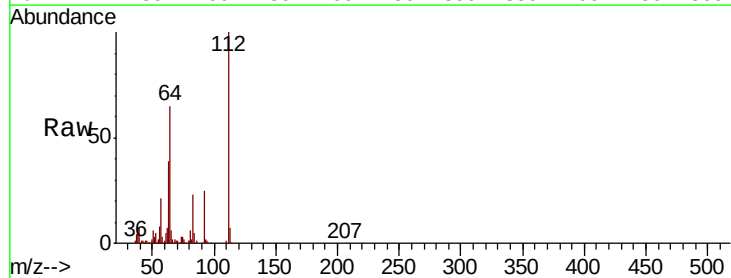
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 65.208 ng
 RT: 5.65 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: BG043003.D
 Acq: 3 Oct 2019 3:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	56.6	84.8
63	38.7	35.1	52.7

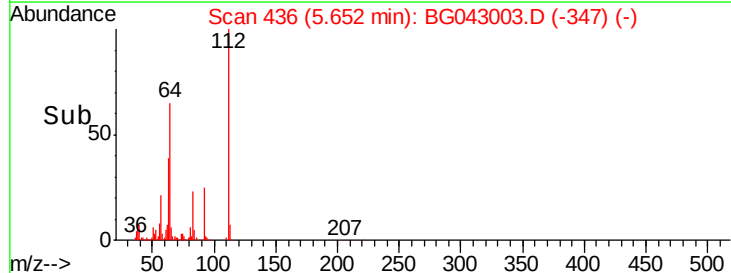
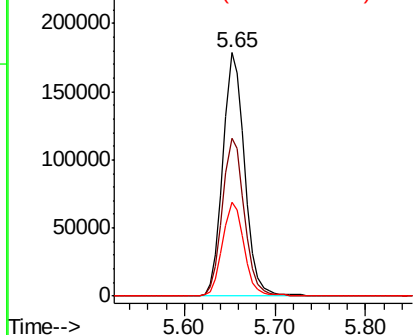


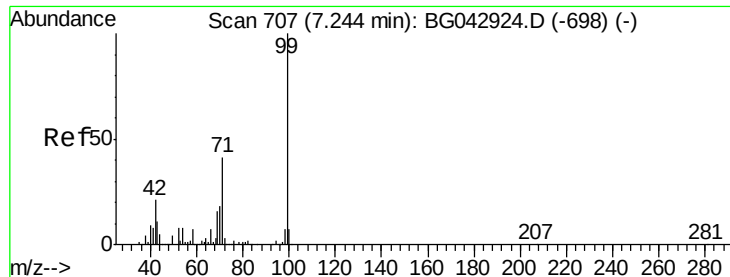
Abundance

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: 38.928 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043003.D

Acq: 3 Oct 2019 3:26

Instrument :

BNA_G

ClientSampleId :

PB123570BL

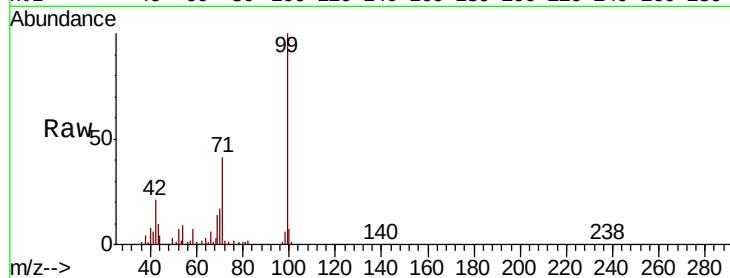
Tot Ion: 99 Resp: 255136

Ion Ratio Lower Upper

99 100

42 20.8 17.2 25.8

71 40.7 33.1 49.7

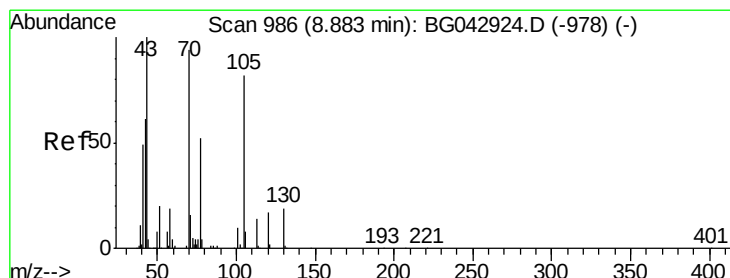
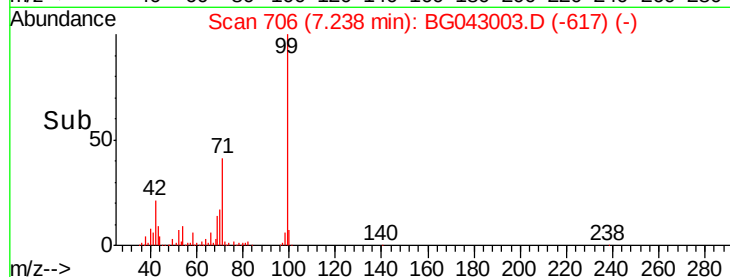
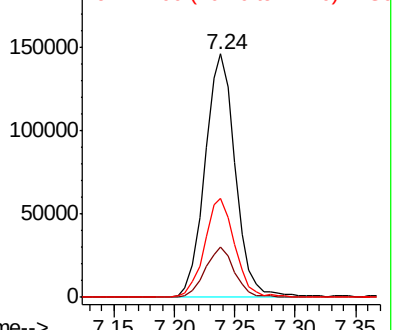


Abundance

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: 17.209 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.35 min

Lab File: BG043003.D

Acq: 3 Oct 2019 3:26

Tgt Ion: 70 Resp: 74060

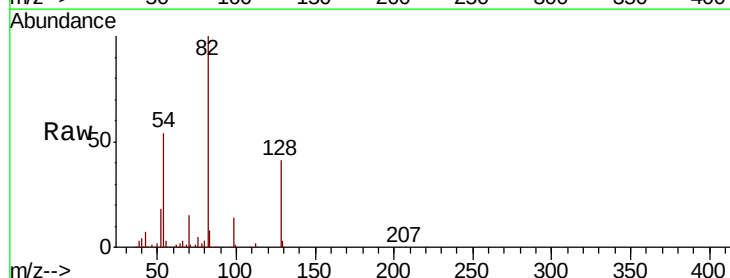
Ion Ratio Lower Upper

70 100

42 47.9 52.6 79.0#

101 0.0 8.7 13.1#

130 1.7 15.8 23.8#



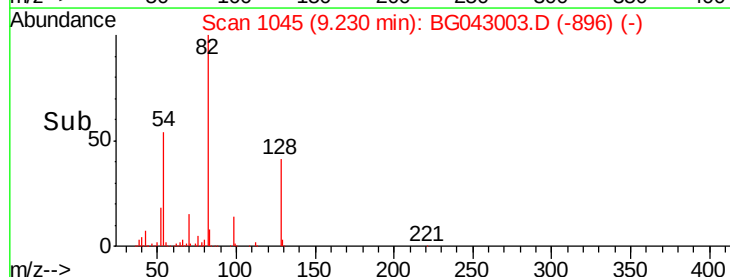
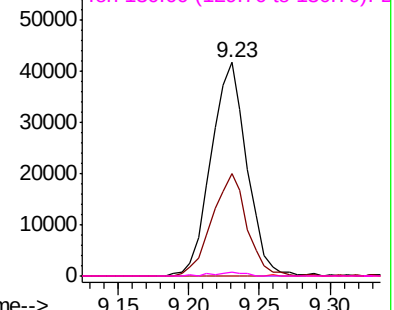
Abundance

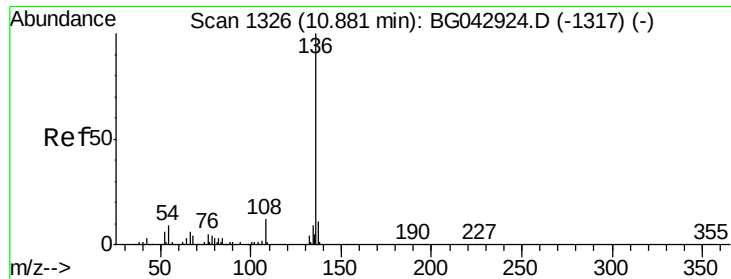
Ion 70.00 (69.70 to 70.70): BGC

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

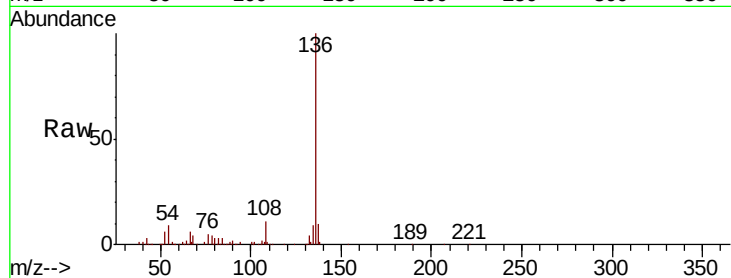




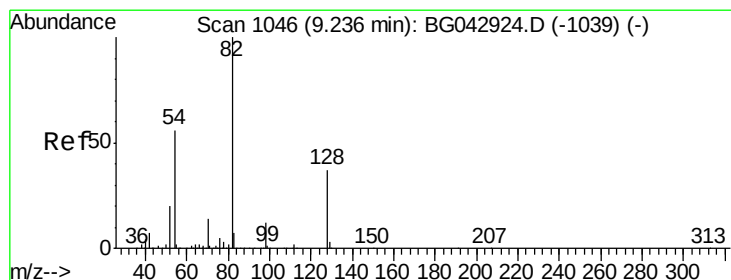
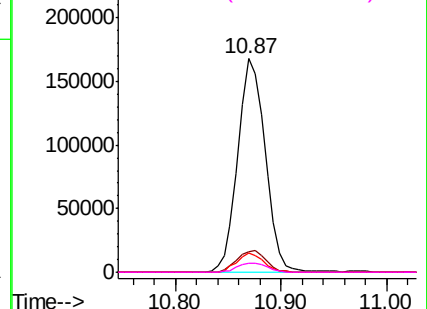
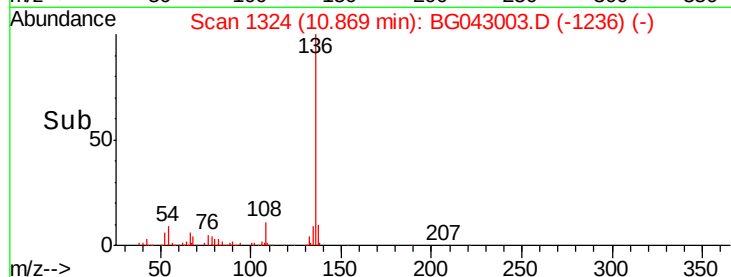
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG043003.D
Acq: 3 Oct 2019 3:26

Instrument :
BNA_G
ClientSampleId :
PB123570BL

Tot Ion:136	Resp:	302616
Ion Ratio	Lower	Upper
136	100	
137	9.7	8.5 12.7
54	9.0	7.4 11.2
68	4.3	3.6 5.4

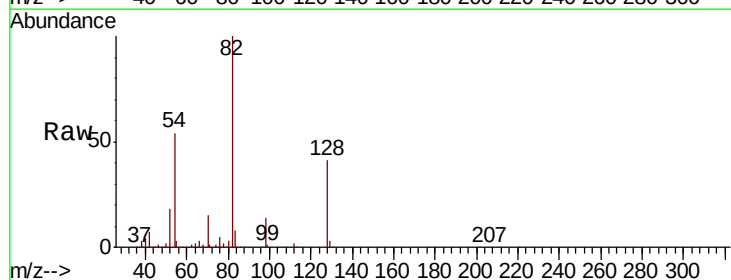


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

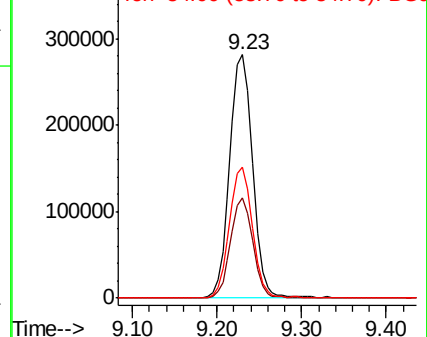
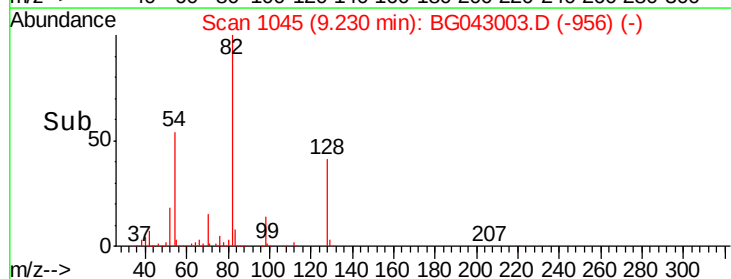


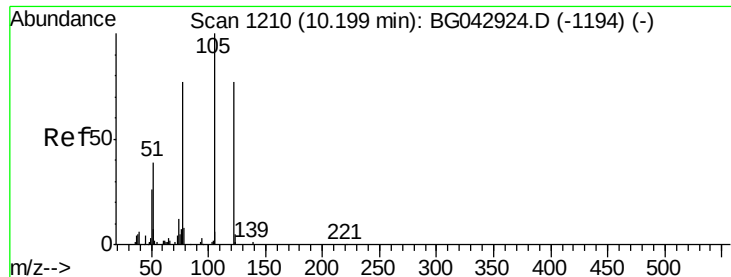
#23
Nitrobenzene-d5
Concen: 84.788 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG043003.D
Acq: 3 Oct 2019 3:26

Tgt Ion: 82	Resp:	527890
Ion Ratio	Lower	Upper
82	100	
128	41.3	29.5 44.3
54	54.0	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: 2.823 ng

RT: 10.46 min Scan# 1254

Delta R.T. 0.26 min

Lab File: BG043003.D

Acq: 3 Oct 2019 3:26

Instrument :

BNA_G

ClientSampleId :

PB123570BL

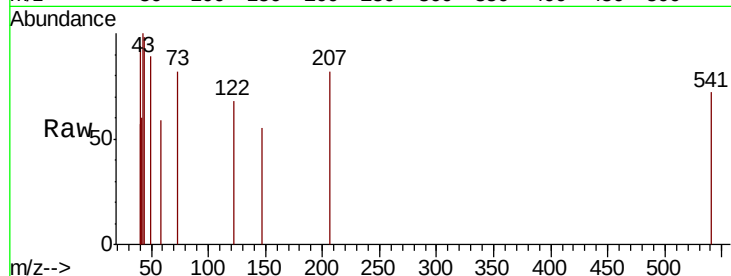
Tot Ion:122 Resp: 68

Ion Ratio Lower Upper

122 100

105 0.0 107.5 147.5#

77 0.0 79.8 119.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E

250

200

150

100

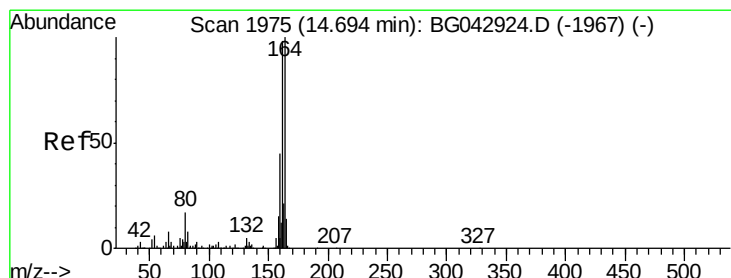
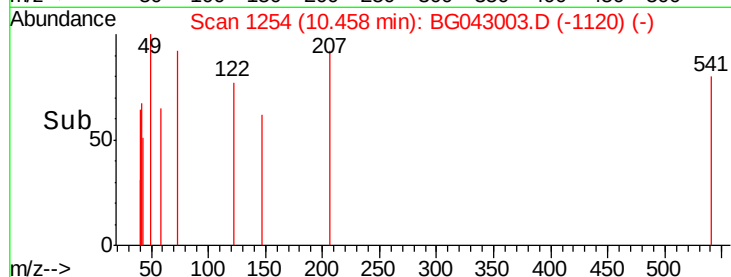
50

0

10.44

10.46

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG043003.D

Acq: 3 Oct 2019 3:26

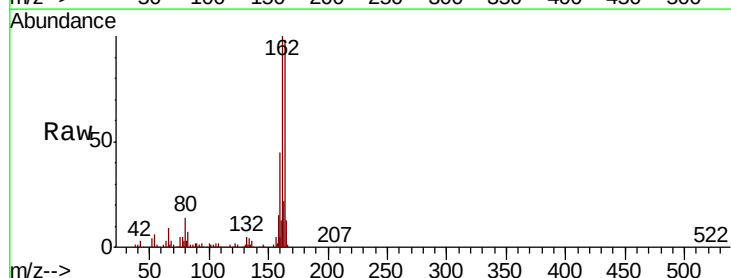
Tgt Ion:164 Resp: 207113

Ion Ratio Lower Upper

164 100

162 102.3 78.5 117.7

160 45.7 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

150000

100000

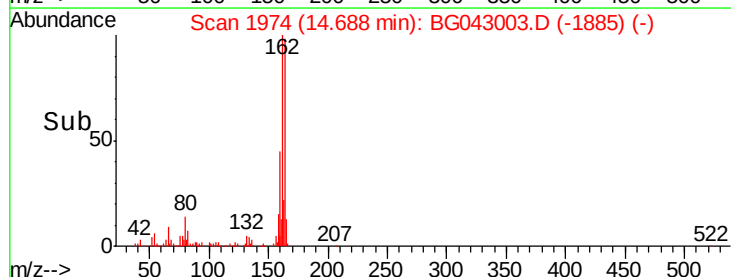
50000

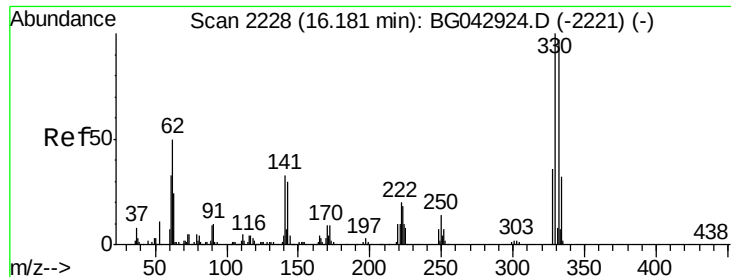
0

14.60

14.70

Time-->

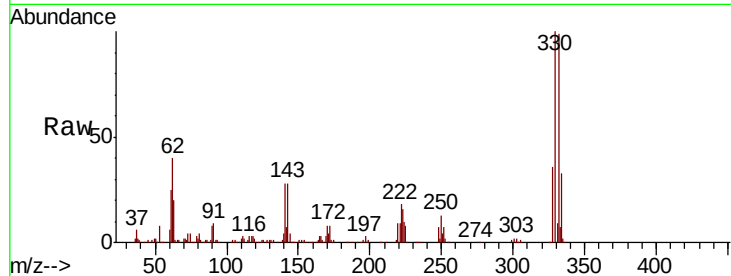




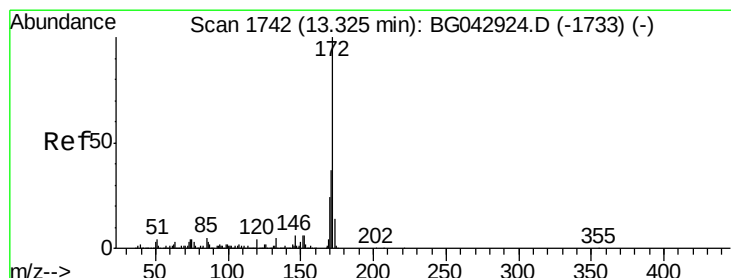
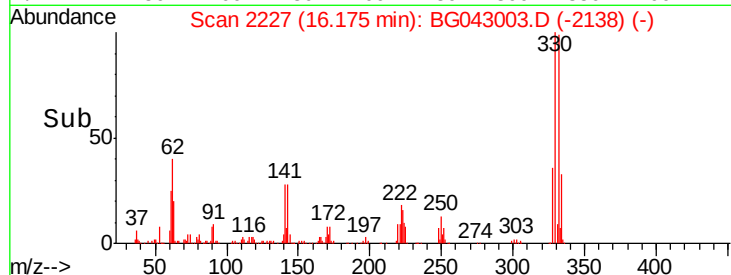
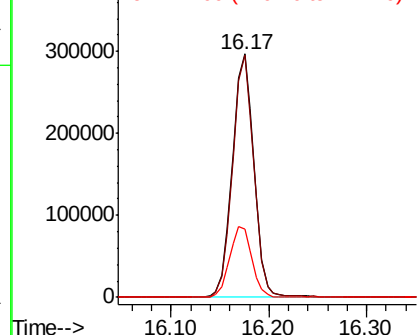
#42
 2,4,6-Tribromophenol
 Concen: 128.643 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG043003.D
 Acq: 3 Oct 2019 3:26

Instrument :
 BNA_G
 ClientSampleId :
 PB123570BL

Tot Ion:330 Resp: 458154
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.2 117.2
 141 29.8 26.0 39.0

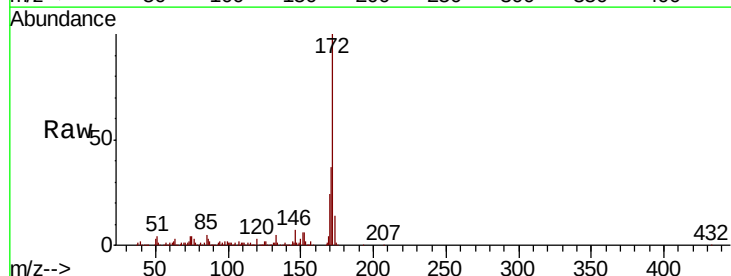


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

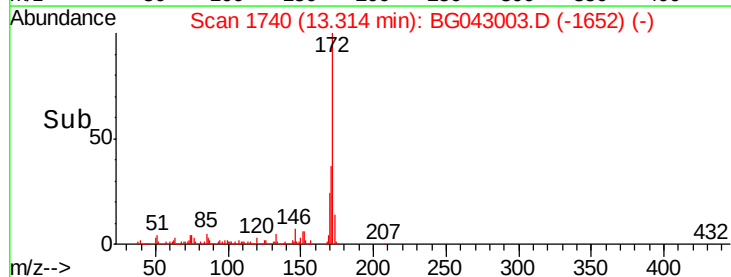
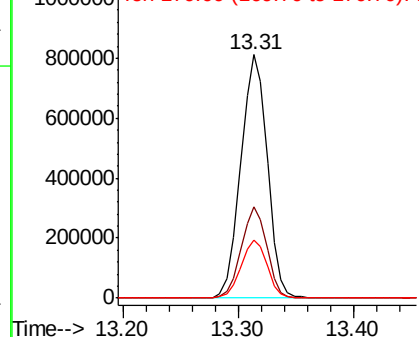


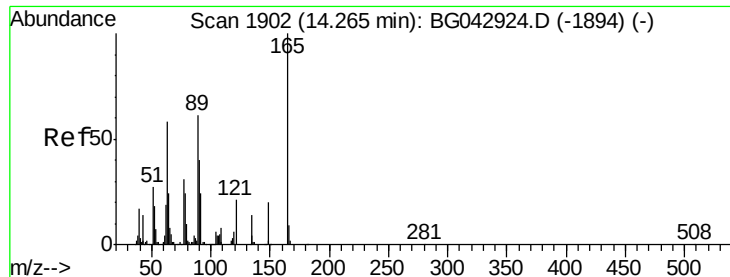
#45
 2-Fluorobiphenyl
 Concen: 90.240 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG043003.D
 Acq: 3 Oct 2019 3:26

Tgt Ion:172 Resp: 1289219
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.6 44.4
 170 23.7 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

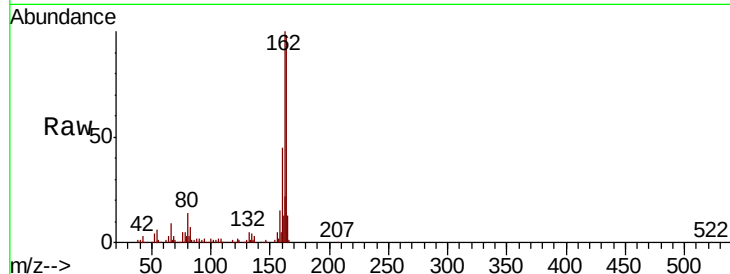




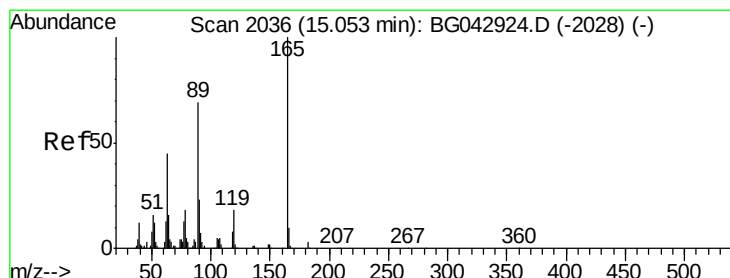
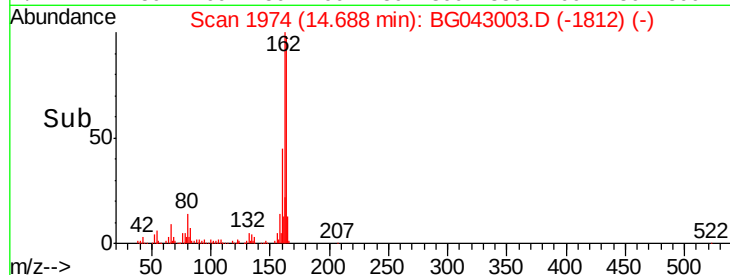
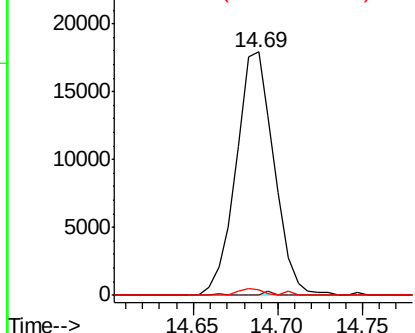
#51
 2,6-Dinitrotoluene
 Concen: 8.464 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.42 min
 Lab File: BG043003.D
 Acq: 3 Oct 2019 3:26

Instrument :
 BNA_G
 ClientSampleId :
 PB123570BL

Tot Ion:165 Resp: 27970
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.3 75.5#
 89 2.5 48.9 73.3#

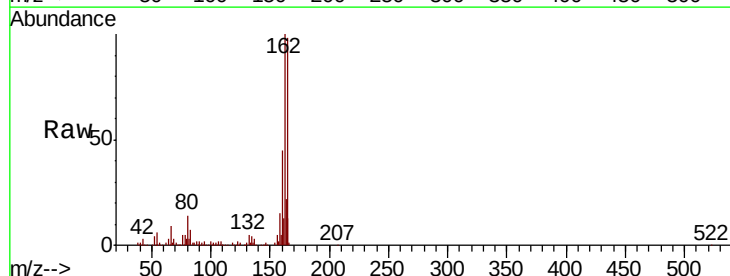


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

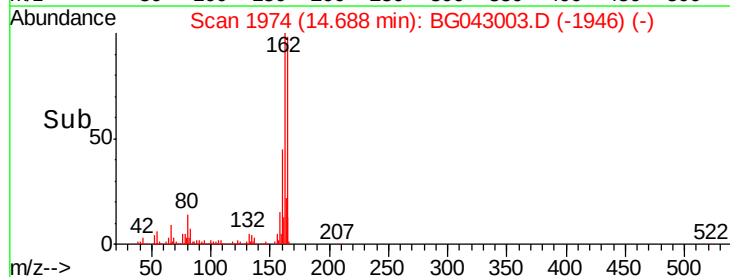
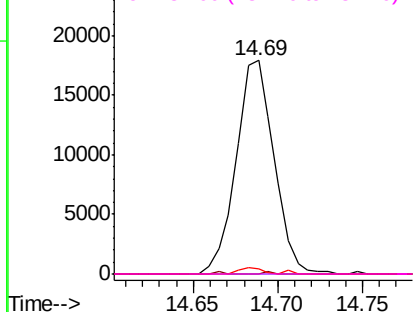


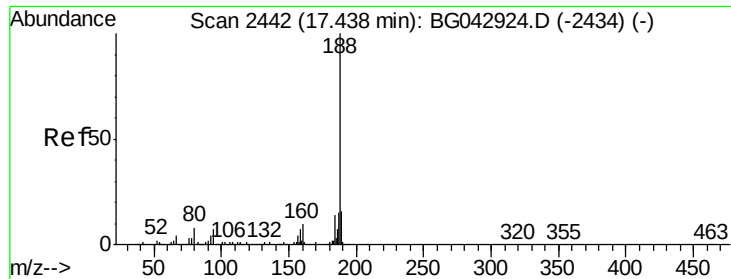
#57
 2,4-Dinitrotoluene
 Concen: 5.780 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.36 min
 Lab File: BG043003.D
 Acq: 3 Oct 2019 3:26

Tgt Ion:165 Resp: 27970
 Ion Ratio Lower Upper
 165 100
 63 0.0 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: BG043003.D

Acq: 3 Oct 2019 3:26

Instrument :

BNA_G

ClientSampleId :

PB123570BL

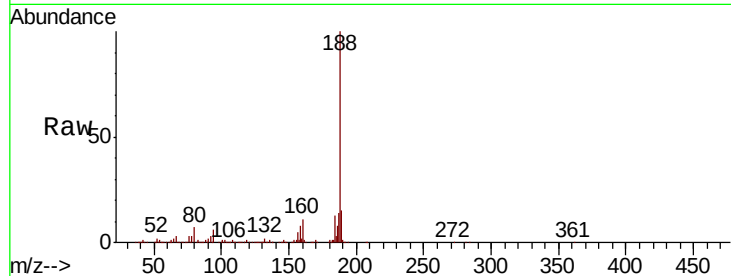
Tot Ion:188 Resp: 457174

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

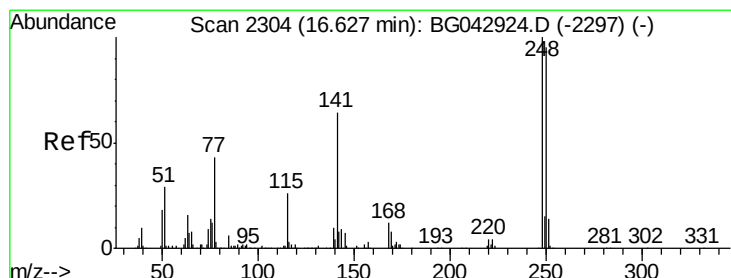
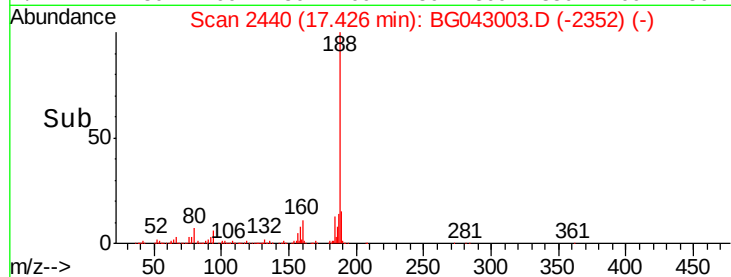
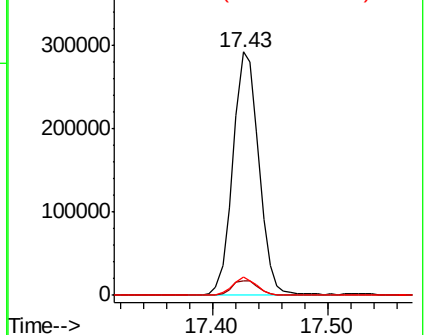
80 7.3 6.5 9.7



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: 5.369 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG043003.D

Acq: 3 Oct 2019 3:26

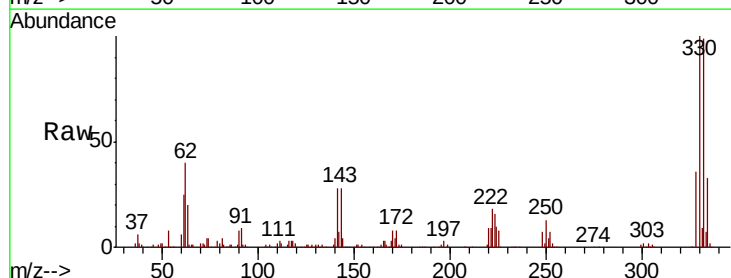
Tgt Ion:248 Resp: 30807

Ion Ratio Lower Upper

248 100

250 188.5 75.8 113.8#

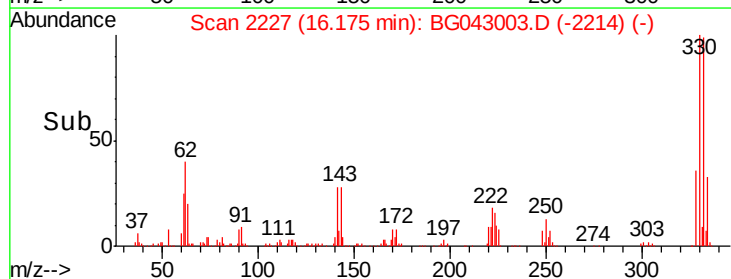
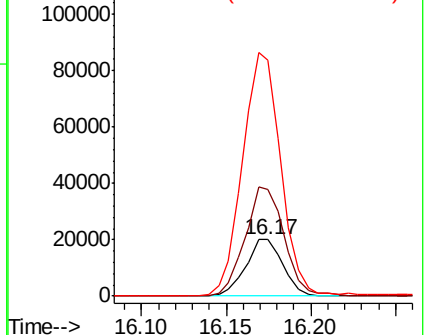
141 416.9 51.1 76.7#

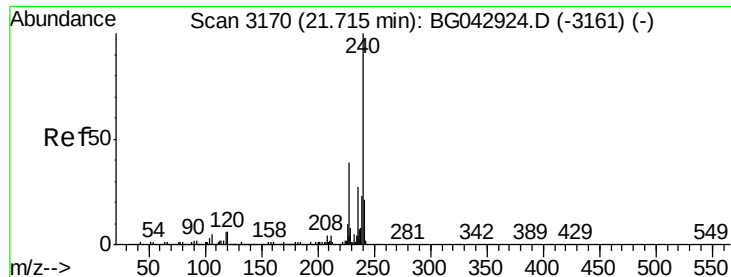


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.02 min

Lab File: BG043003.D

Acq: 3 Oct 2019 3:26

Instrument :

BNA_G

ClientSampleId :

PB123570BL

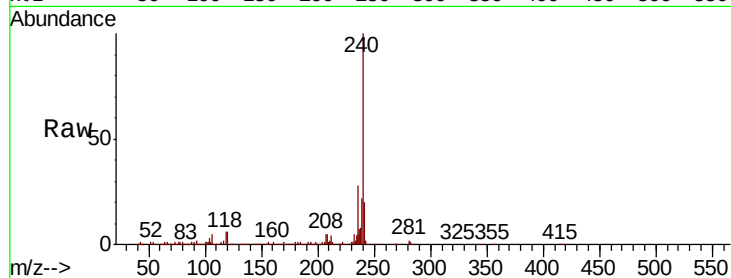
Tot Ion:240 Resp: 466271

Ion Ratio Lower Upper

240 100

120 6.0 4.8 7.2

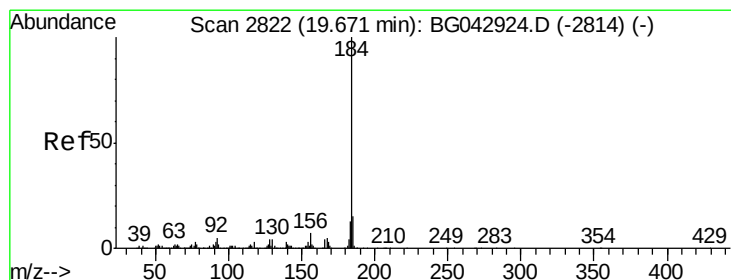
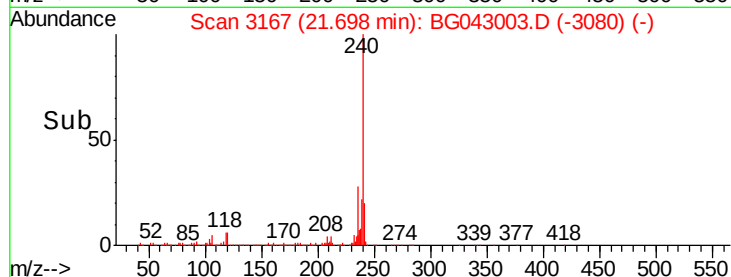
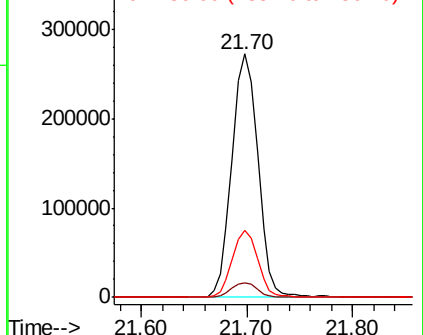
236 27.6 21.4 32.0



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: 3.005 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG043003.D

Acq: 3 Oct 2019 3:26

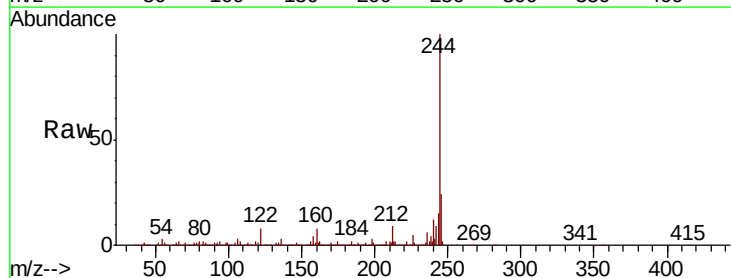
Tgt Ion:184 Resp: 35088

Ion Ratio Lower Upper

184 100

185 18.9 11.8 17.8#

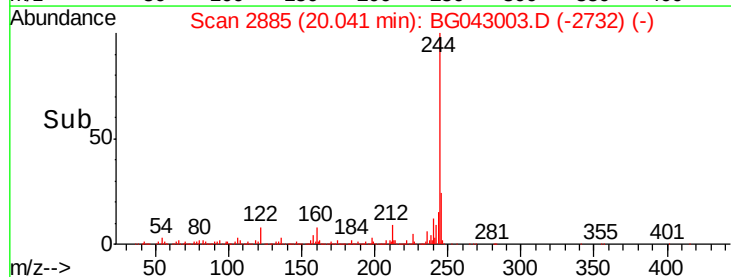
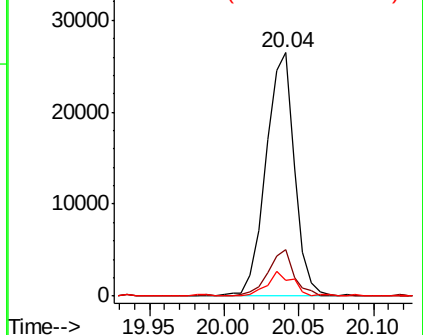
183 6.4 10.1 15.1#

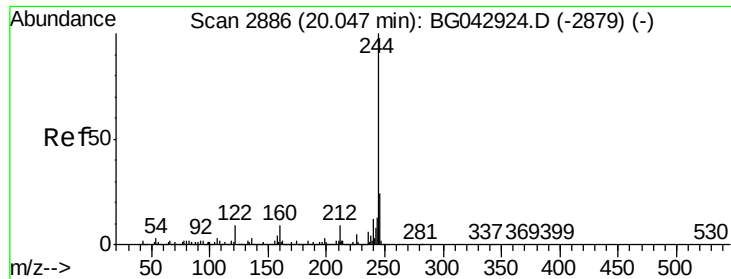


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 94.169 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043003.D

Acq: 3 Oct 2019 3:26

Instrument :

BNA_G

ClientSampleId :

PB123570BL

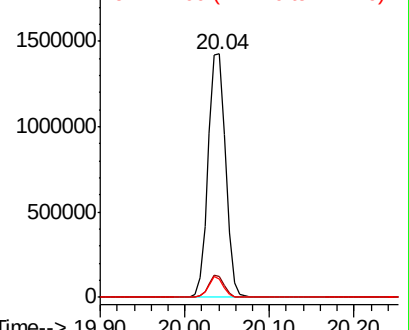
Tot Ion:244 Resp: 2060571

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.4	11.0
122	7.8	7.0	10.4

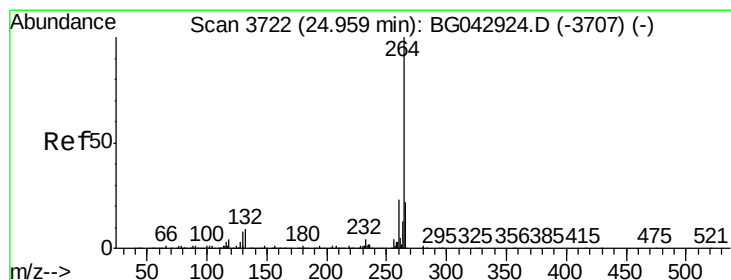
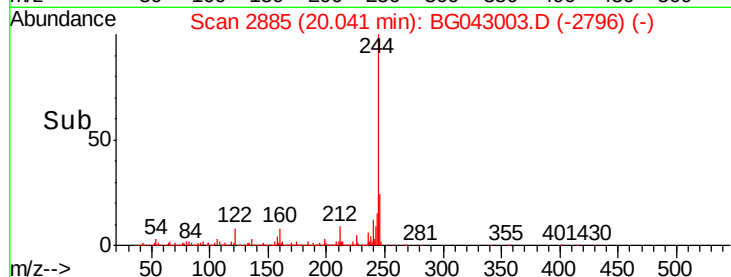
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.04 20.10 20.20



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.04 min

Lab File: BG043003.D

Acq: 3 Oct 2019 3:26

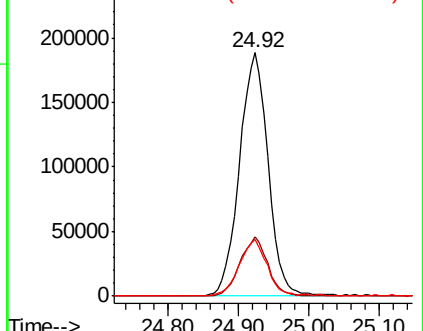
Tgt Ion:264 Resp: 531621

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	23.3	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



Time--> 24.80 24.92 25.00 25.10

