

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\
 Data File : BG043050.D
 Acq On : 5 Oct 2019 11:43
 Operator : JU
 Sample : PB123594BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123594BL

Quant Time: Oct 06 23:52:17 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

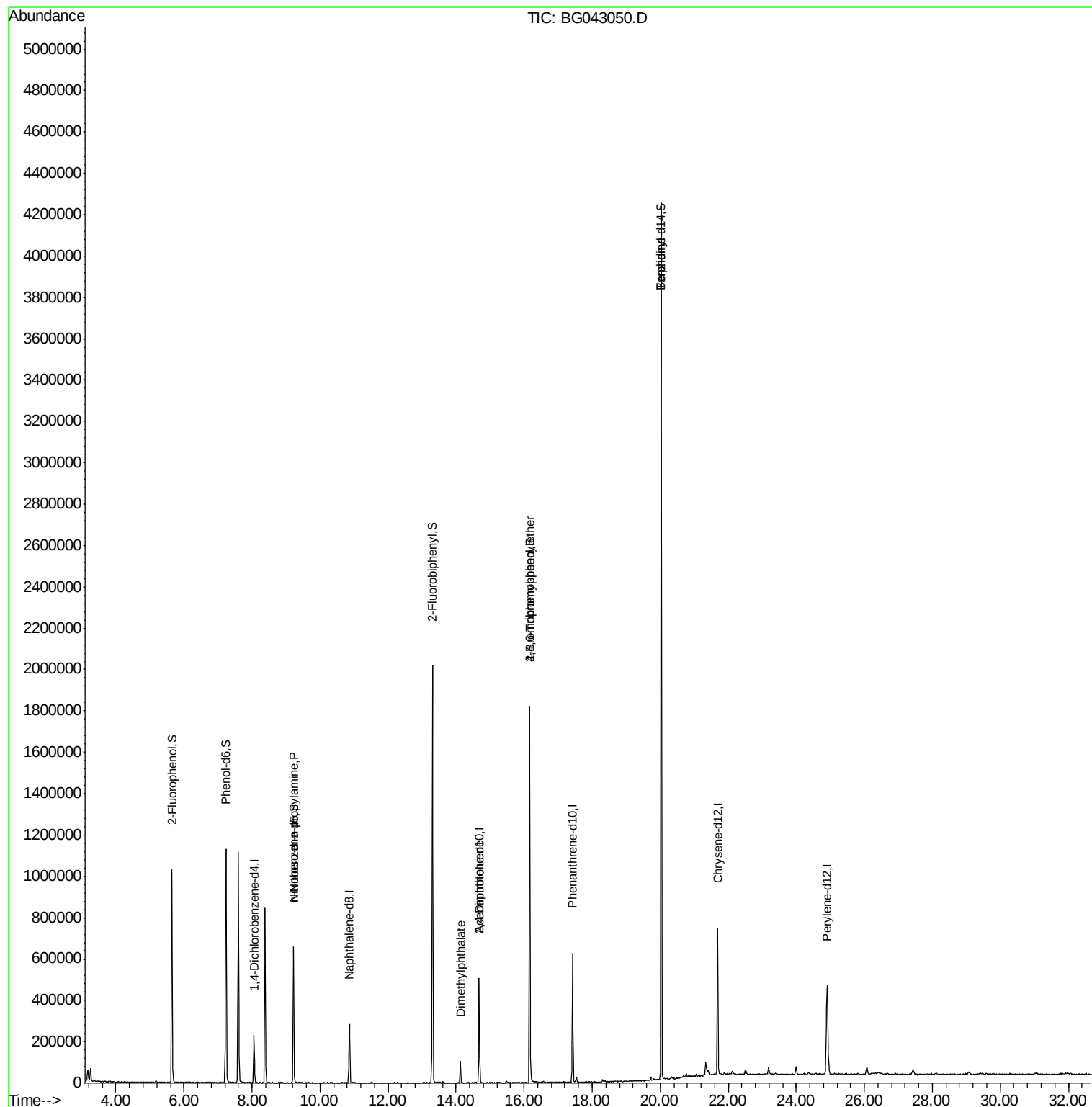
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	67690	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	249462	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	178153	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	411983	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	445799	20.00	ng	-0.03
87) Perylene-d12	24.90	264	514613	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	450169	118.69	ng	0.00
7) Phenol-d6	7.24	99	656777	120.24	ng	0.00
23) Nitrobenzene-d5	9.22	82	407977	79.49	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	404748	132.12	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1067371	86.86	ng	-0.02
79) Terphenyl-d14	20.03	244	2007863	95.97	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56907	15.867	ng	# 69
50) Dimethylphthalate	14.13	163	71715	5.373	ng	# 96
57) 2,4-Dinitrotoluene	14.68	165	24400	5.862	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	27073	5.236	ng	# 1
77) Benzidine	20.03	184	31999	2.867	ng	# 93

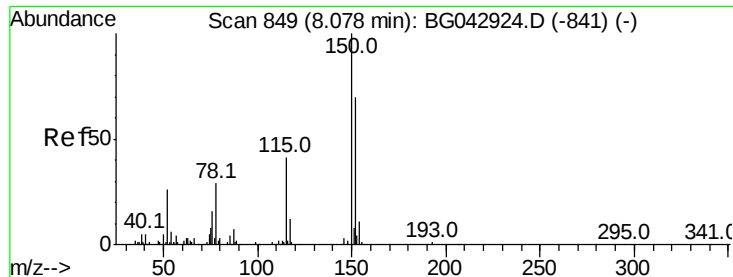
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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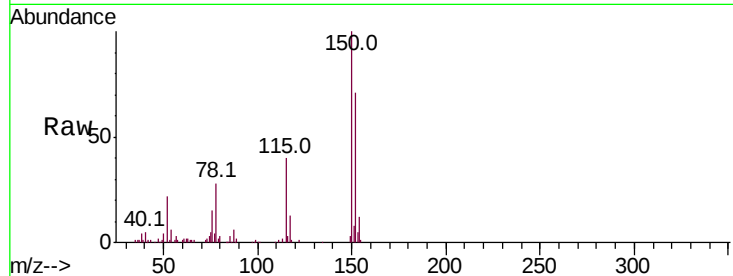


#1

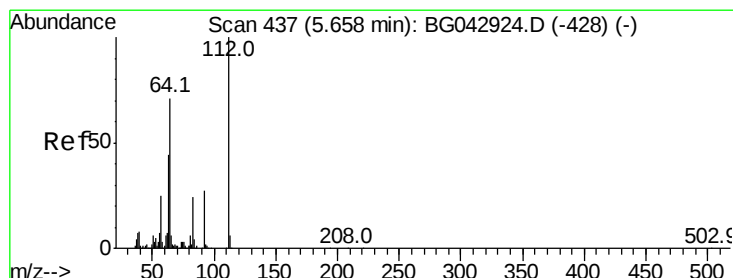
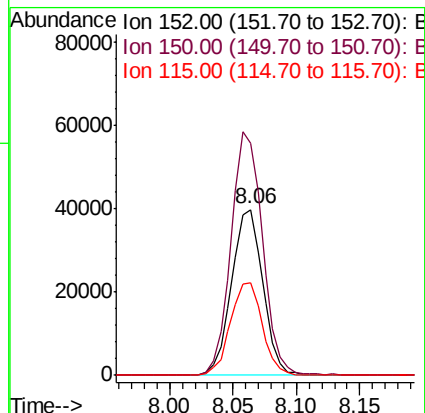
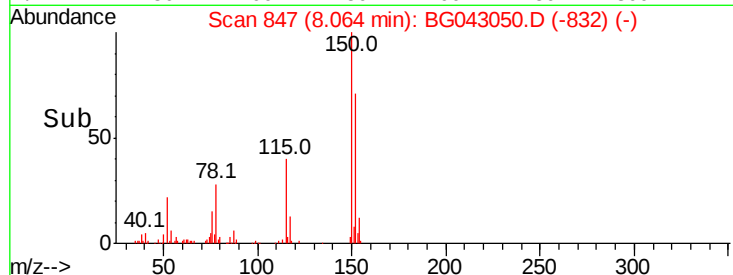
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 847
Delta R.T. -0.01 min
Lab File: BG043050.D
Acq: 5 Oct 2019 11:43

Instrument :
BNA_G
ClientSampleId :
PB123594BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.9	115.0	172.4
115	55.4	47.0	70.6



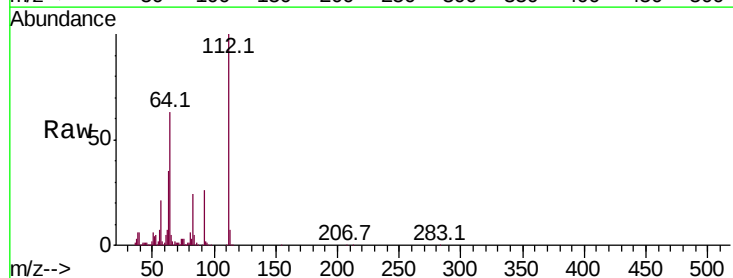
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



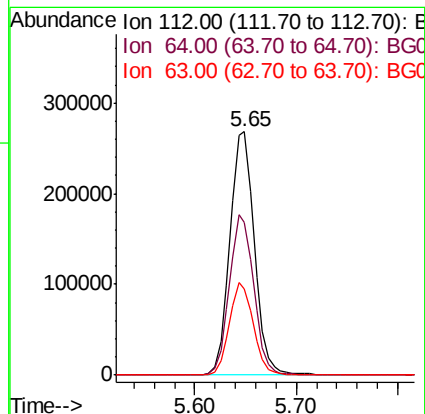
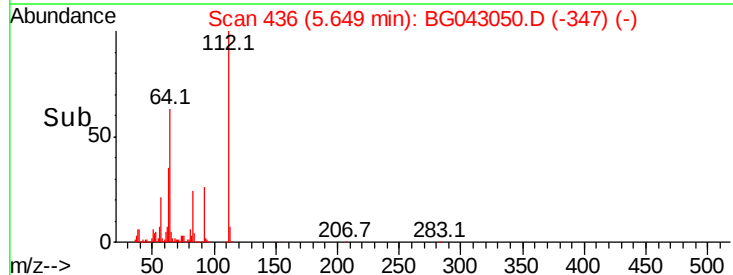
#5

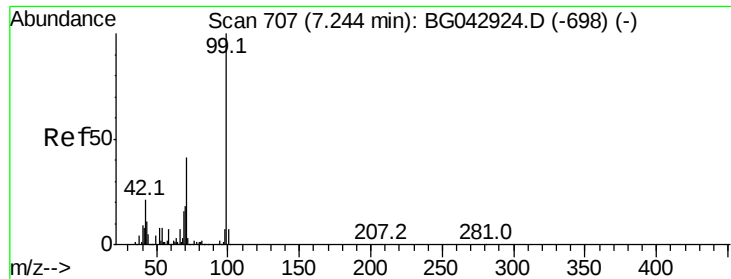
2-Fluorophenol
Concen: 118.685 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.01 min
Lab File: BG043050.D
Acq: 5 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	56.6	84.8
63	35.5	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: 120.243 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043050.D

Acq: 5 Oct 2019 11:43

Instrument :

BNA_G

ClientSampleId :

PB123594BL

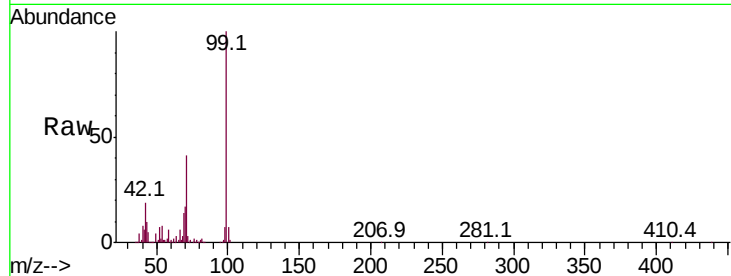
Tot Ion: 99 Resp: 656777

Ion Ratio Lower Upper

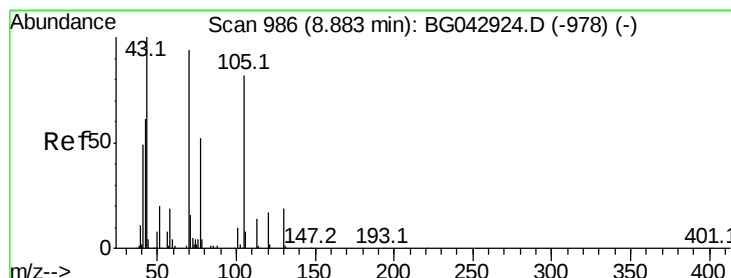
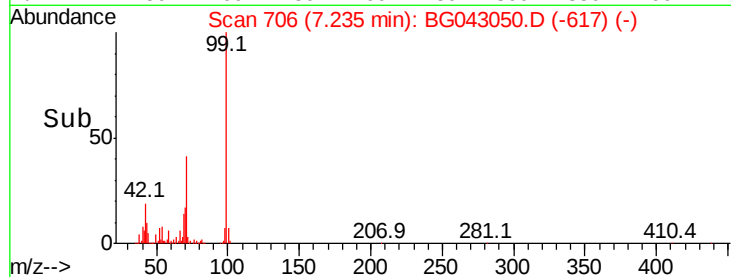
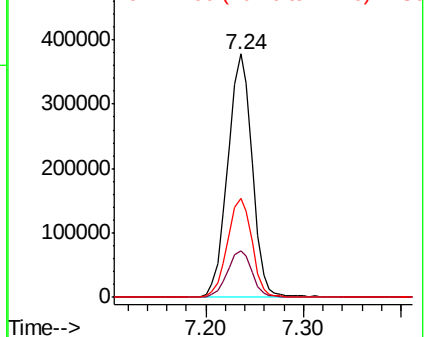
99 100

42 19.3 17.2 25.8

71 40.5 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: 15.867 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG043050.D

Acq: 5 Oct 2019 11:43

Tgt Ion: 70 Resp: 56907

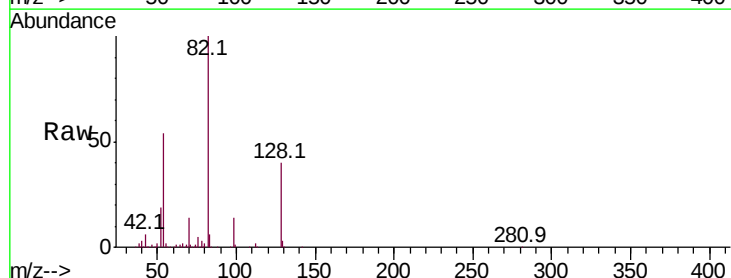
Ion Ratio Lower Upper

70 100

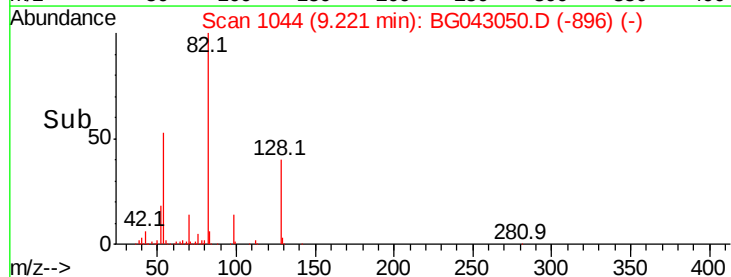
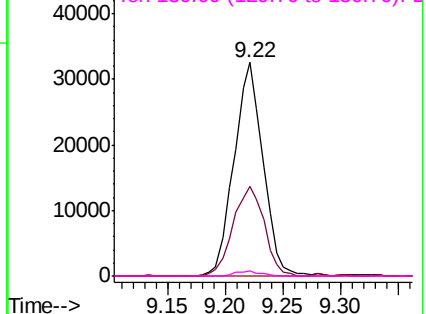
42 42.0 52.6 79.0#

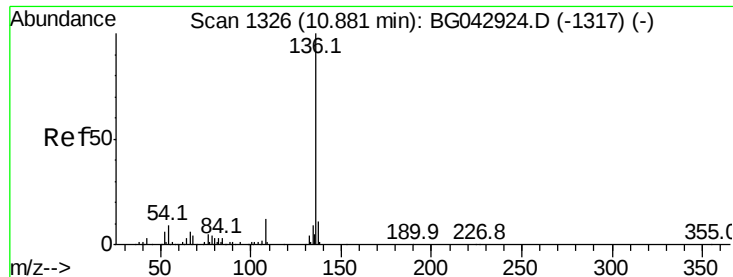
101 0.0 8.7 13.1#

130 2.6 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

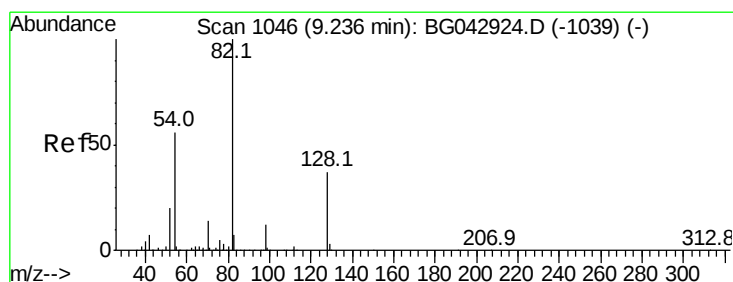
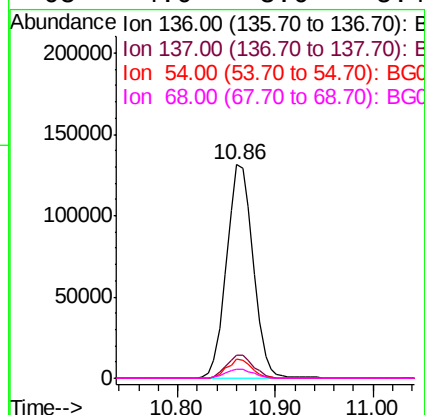
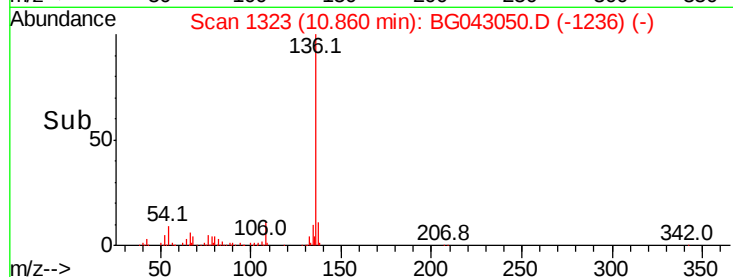
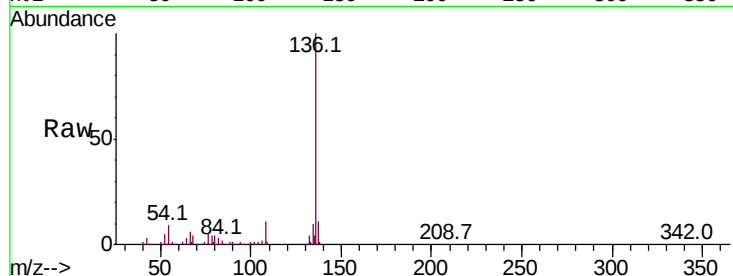




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043050.D
Acq: 5 Oct 2019 11:43

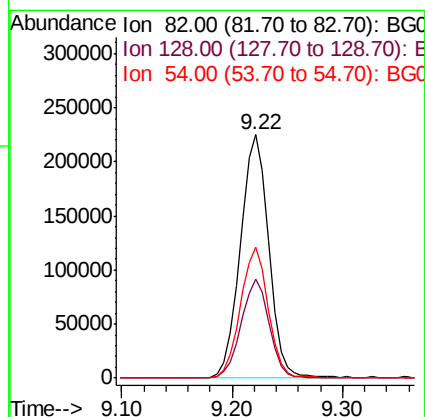
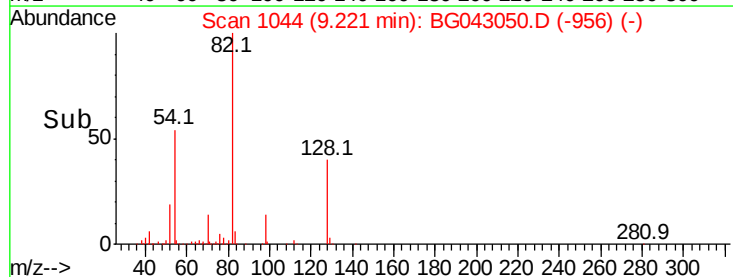
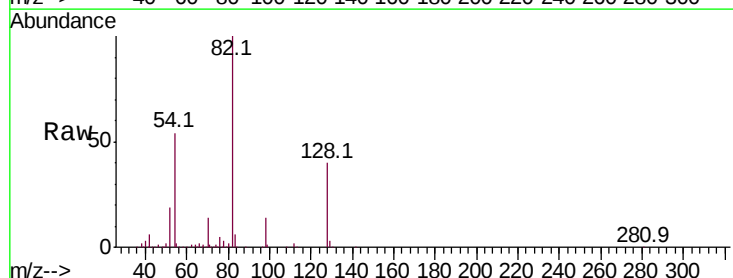
Instrument :
BNA_G
ClientSampleId :
PB123594BL

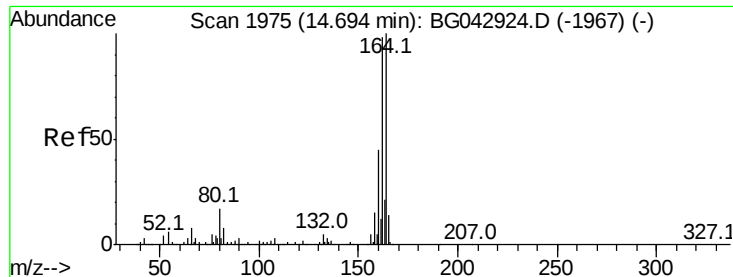
Tot Ion:	136	Resp:	249462
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	9.1	7.4	11.2
68	4.0	3.6	5.4



#23
Nitrobenzene-d5
Concen: 79.490 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG043050.D
Acq: 5 Oct 2019 11:43

Tgt Ion:	82	Resp:	407977
Ion	Ratio	Lower	Upper
82	100		
128	40.5	29.5	44.3
54	53.5	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: BG043050.D

Acq: 5 Oct 2019 11:43

Instrument :

BNA_G

ClientSampleId :

PB123594BL

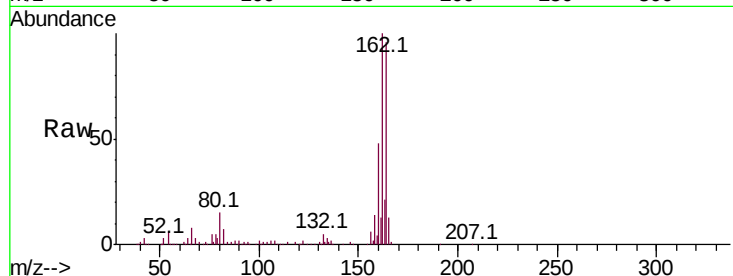
Tot Ion:164 Resp: 178153

Ion Ratio Lower Upper

164 100

162 104.3 78.5 117.7

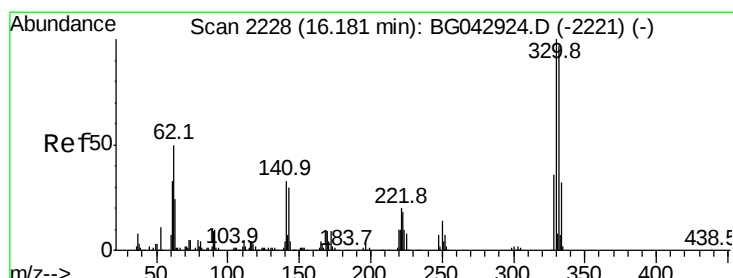
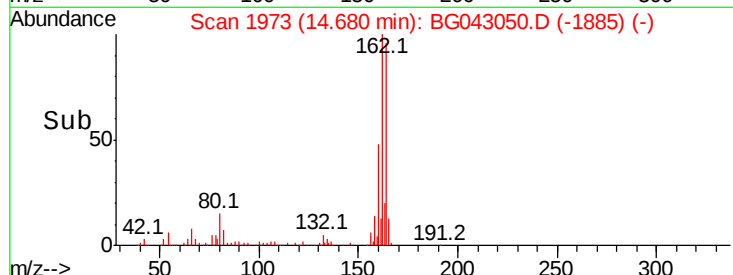
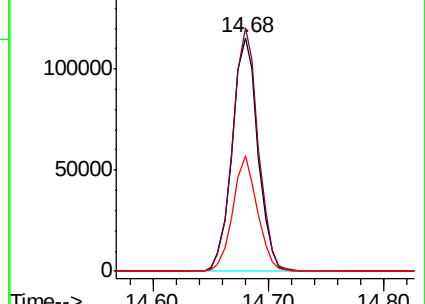
160 49.6 35.9 53.9



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: 132.121 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043050.D

Acq: 5 Oct 2019 11:43

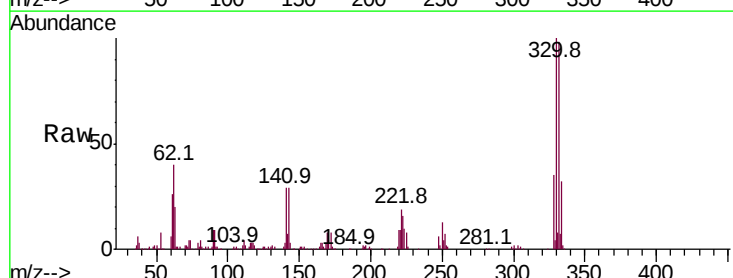
Tgt Ion:330 Resp: 404748

Ion Ratio Lower Upper

330 100

332 96.6 78.2 117.2

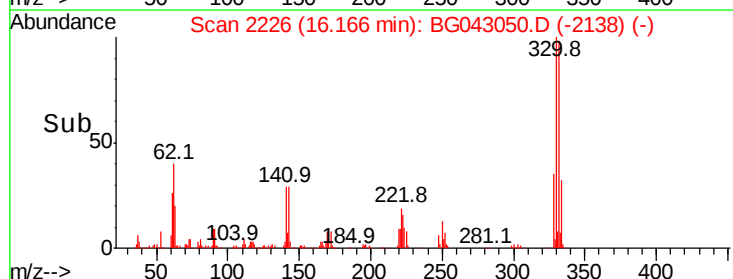
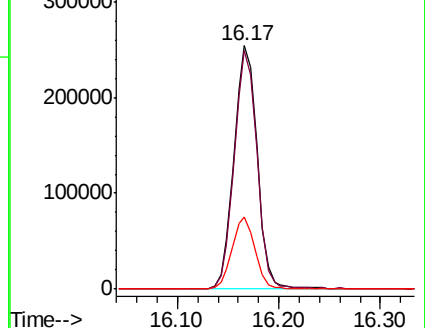
141 29.5 26.0 39.0

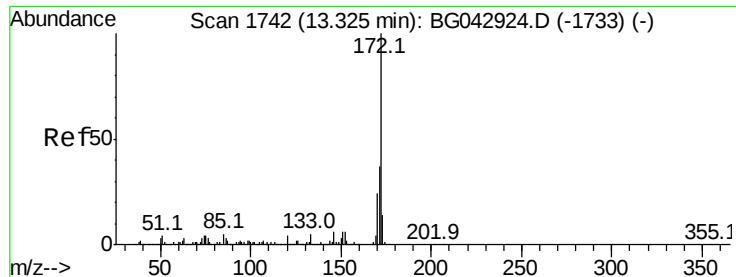


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

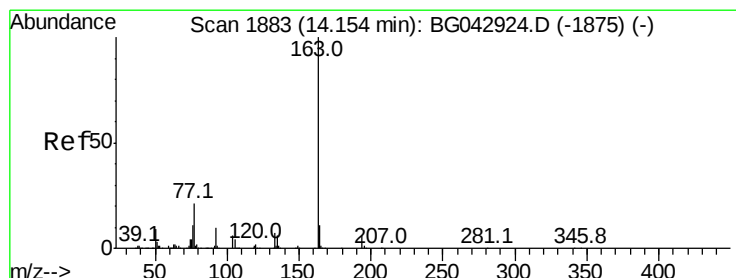
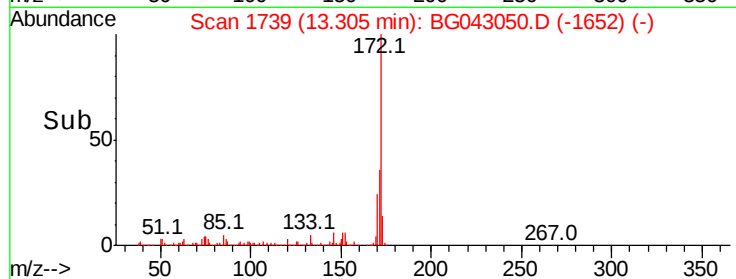
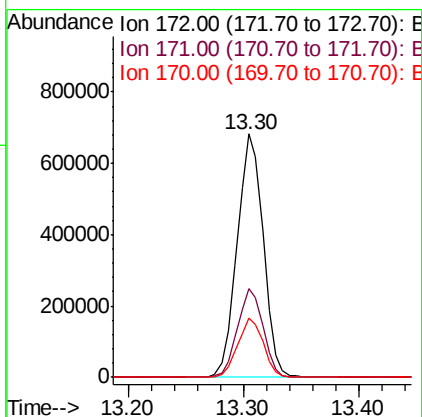
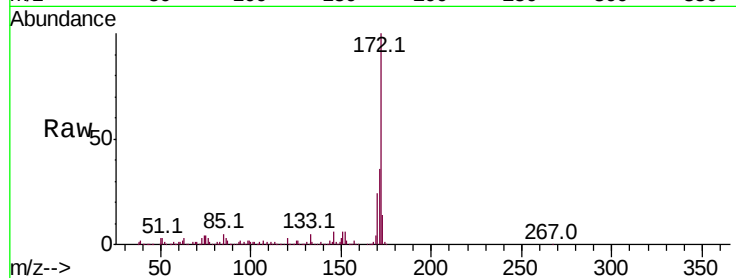




#45
2-Fluorobiphenyl
Concen: 86.856 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043050.D
Acq: 5 Oct 2019 11:43

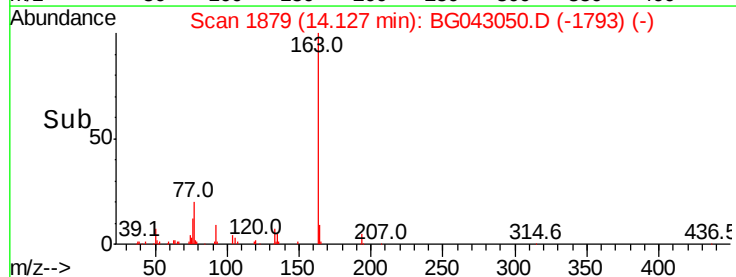
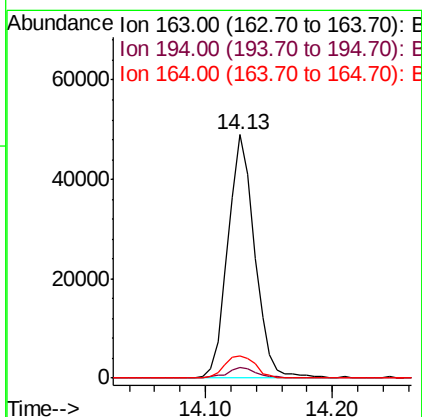
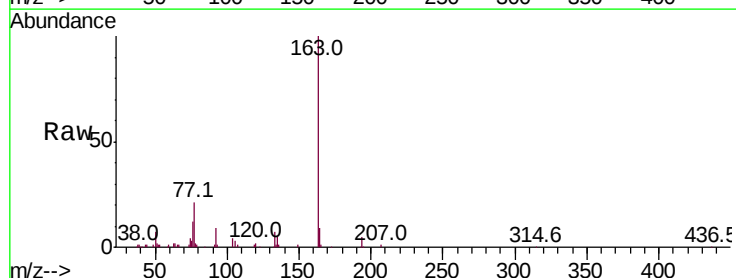
Instrument :
BNA_G
ClientSampleId :
PB123594BL

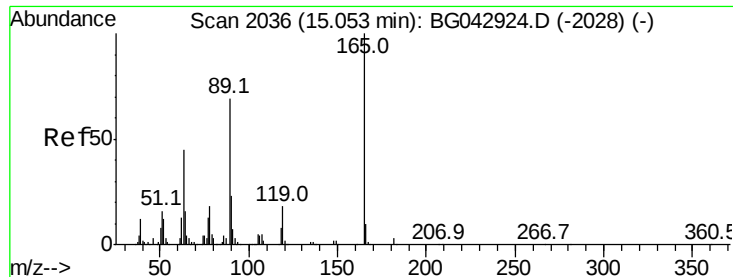
Tot Ion:172 Resp: 1067371
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.5 19.6 29.4



#50
Dimethylphthalate
Concen: 5.373 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.03 min
Lab File: BG043050.D
Acq: 5 Oct 2019 11:43

Tgt Ion:163 Resp: 71715
Ion Ratio Lower Upper
163 100
194 4.5 4.4 6.6
164 9.2 8.6 12.8





#57

2,4-Dinitrotoluene

Concen: 5.862 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.37 min

Lab File: BG043050.D

Acq: 5 Oct 2019 11:43

Instrument :

BNA_G

ClientSampleId :

PB123594BL

Tot Ion:165 Resp: 24400

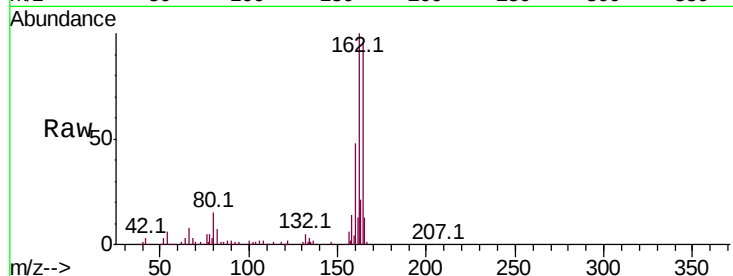
Ion Ratio Lower Upper

165 100

63 2.0 36.5 54.7#

89 2.7 55.5 83.3#

182 0.0 2.4 3.6#

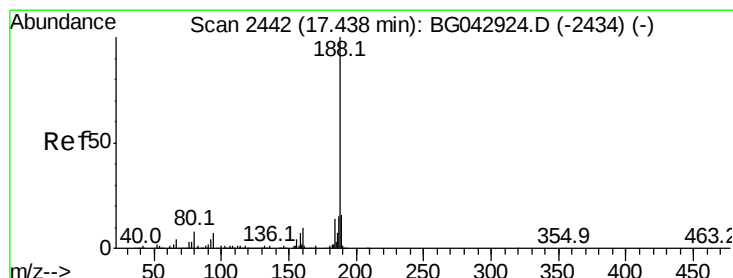
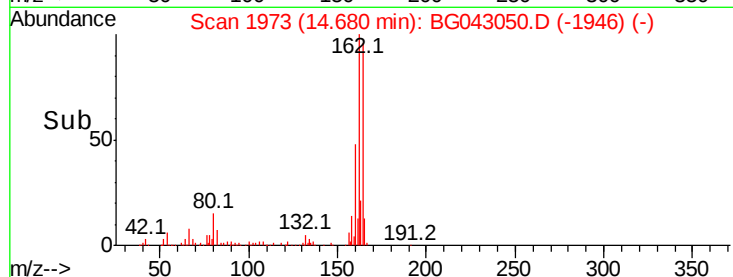
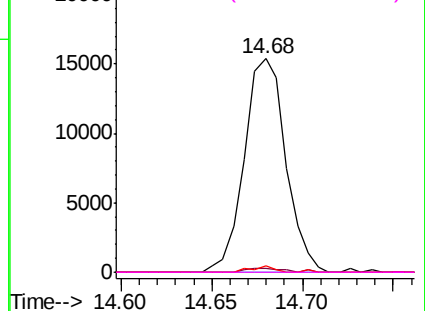


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG043050.D

Acq: 5 Oct 2019 11:43

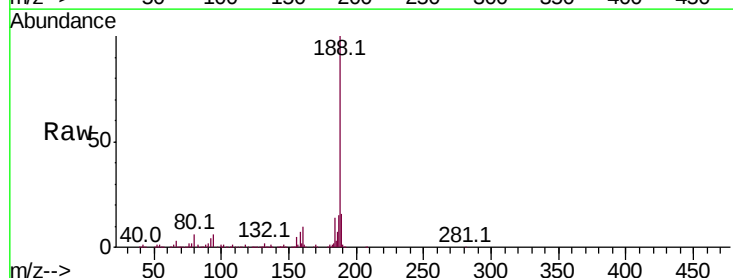
Tgt Ion:188 Resp: 411983

Ion Ratio Lower Upper

188 100

94 6.2 5.7 8.5

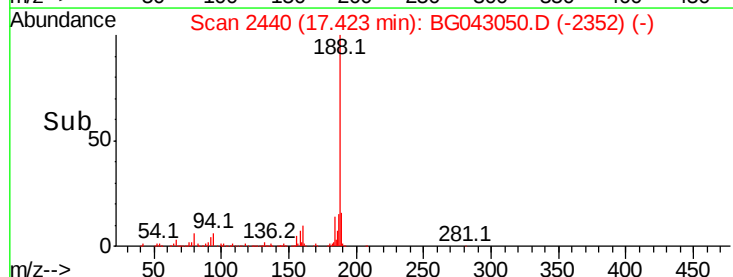
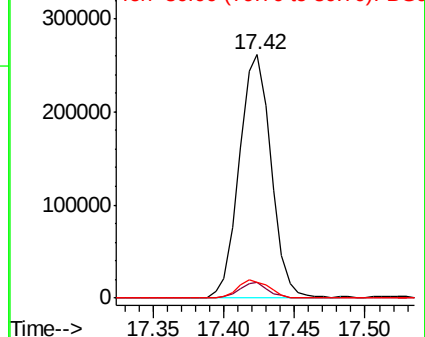
80 6.3 6.5 9.7#

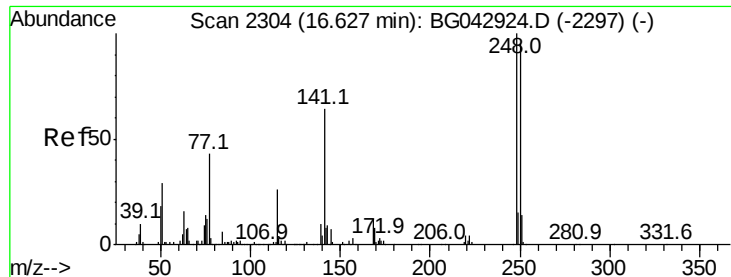


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

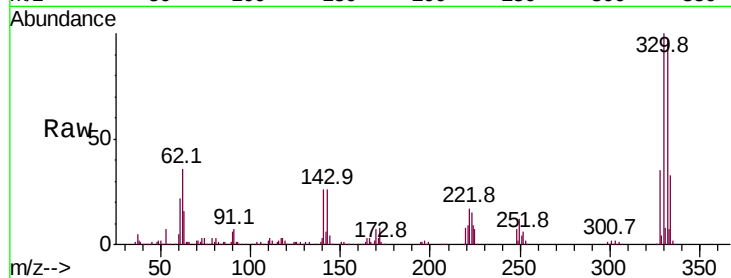




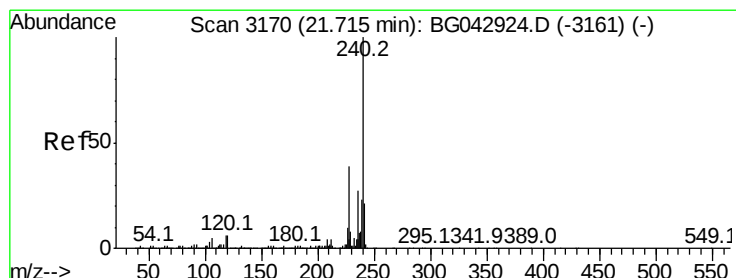
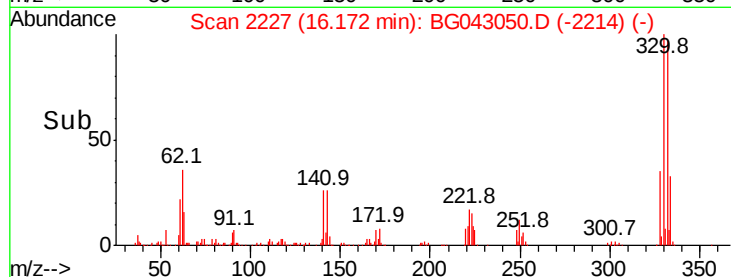
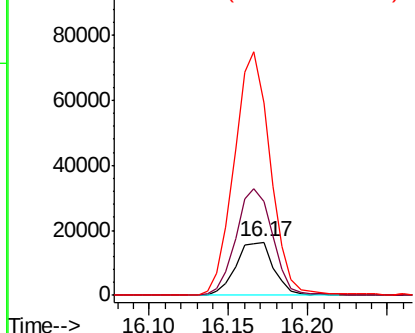
#67
4-Bromophenyl-phenylether
Concen: 5.236 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.46 min
Lab File: BG043050.D
Acq: 5 Oct 2019 11:43

Instrument :
BNA_G
ClientSampleId :
PB123594BL

Tot Ion:248 Resp: 27073
Ion Ratio Lower Upper
248 100
250 175.1 75.8 113.8#
141 362.1 51.1 76.7#

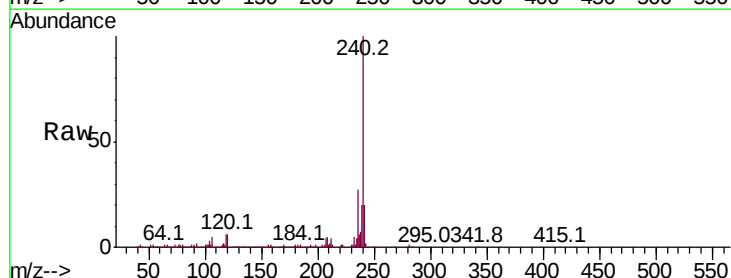


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

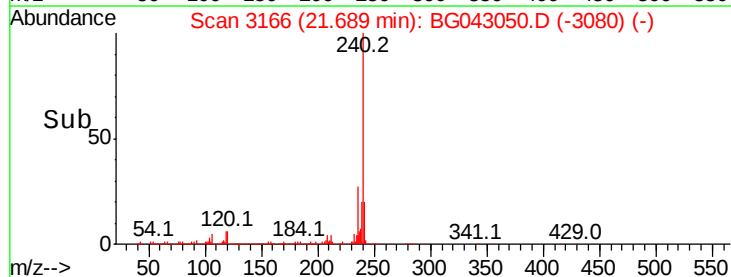
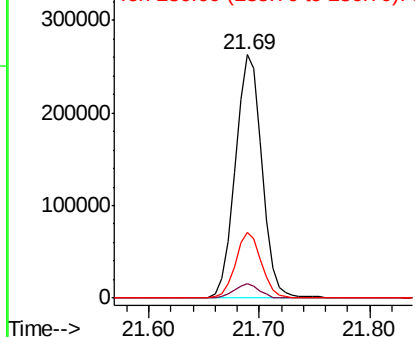


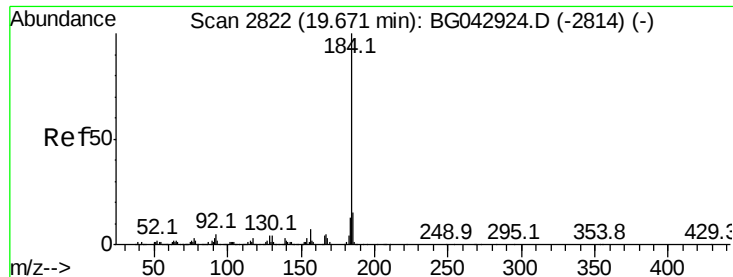
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.03 min
Lab File: BG043050.D
Acq: 5 Oct 2019 11:43

Tgt Ion:240 Resp: 445799
Ion Ratio Lower Upper
240 100
120 5.9 4.8 7.2
236 27.1 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: 2.867 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043050.D

Acq: 5 Oct 2019 11:43

Instrument :

BNA_G

ClientSampleId :

PB123594BL

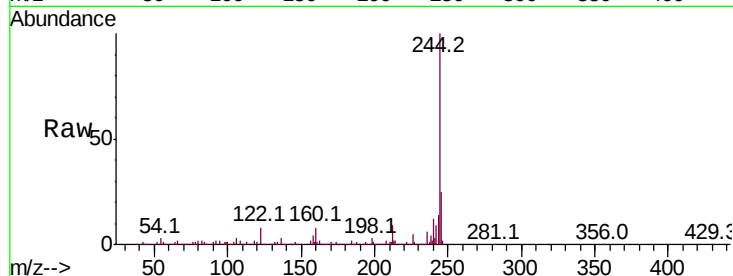
Tot Ion:184 Resp: 31999

Ion Ratio Lower Upper

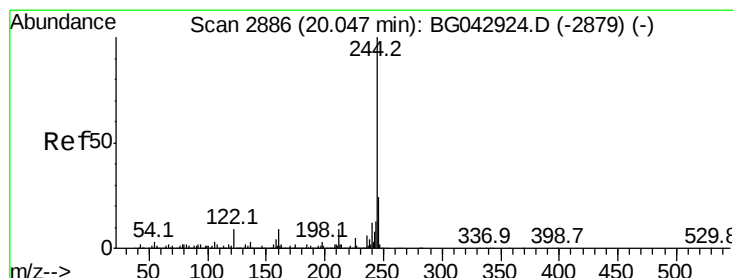
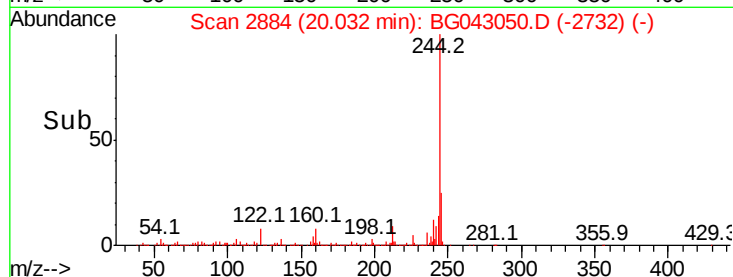
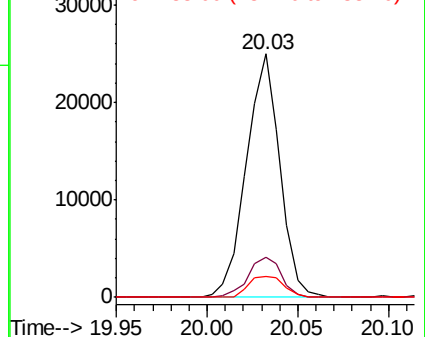
184 100

185 16.6 11.8 17.8

183 8.7 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: 95.974 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043050.D

Acq: 5 Oct 2019 11:43

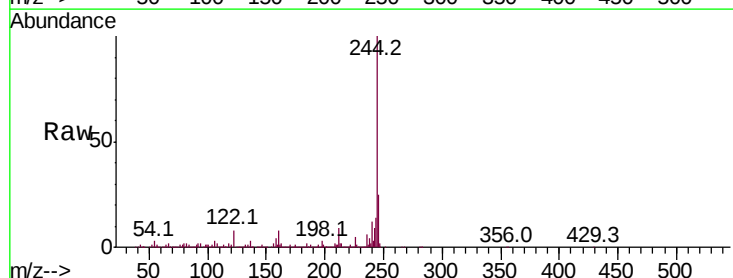
Tgt Ion:244 Resp: 2007863

Ion Ratio Lower Upper

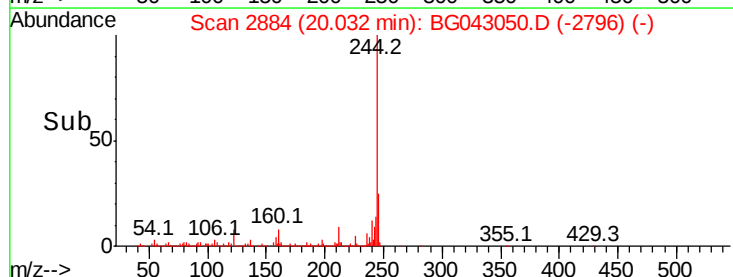
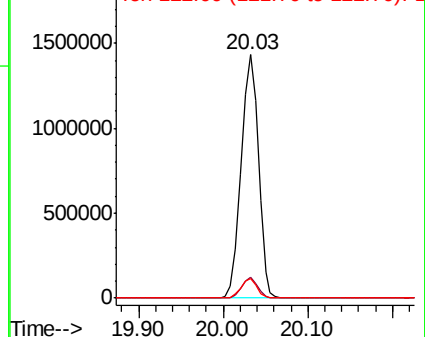
244 100

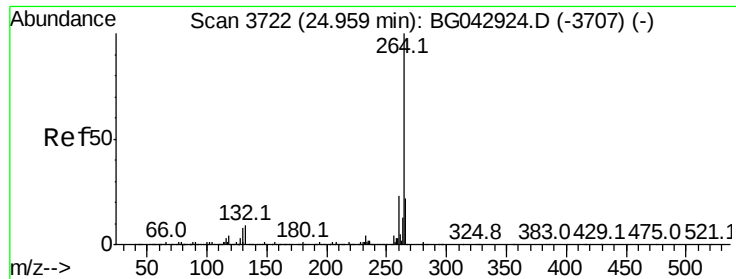
212 8.6 7.4 11.0

122 8.0 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

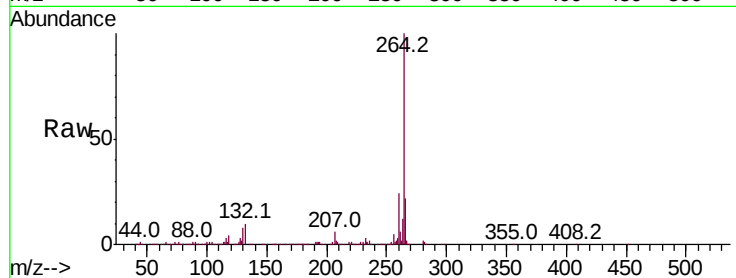




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3713
 Delta R.T. -0.06 min
 Lab File: BG043050.D
 Acq: 5 Oct 2019 11:43

Instrument :
 BNA_G
 ClientSampleId :
 PB123594BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.3	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

