

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\
 Data File : BG043049.D
 Acq On : 5 Oct 2019 11:05
 Operator : JU
 Sample : PB123594BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123594BL

Quant Time: Oct 06 23:52:09 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

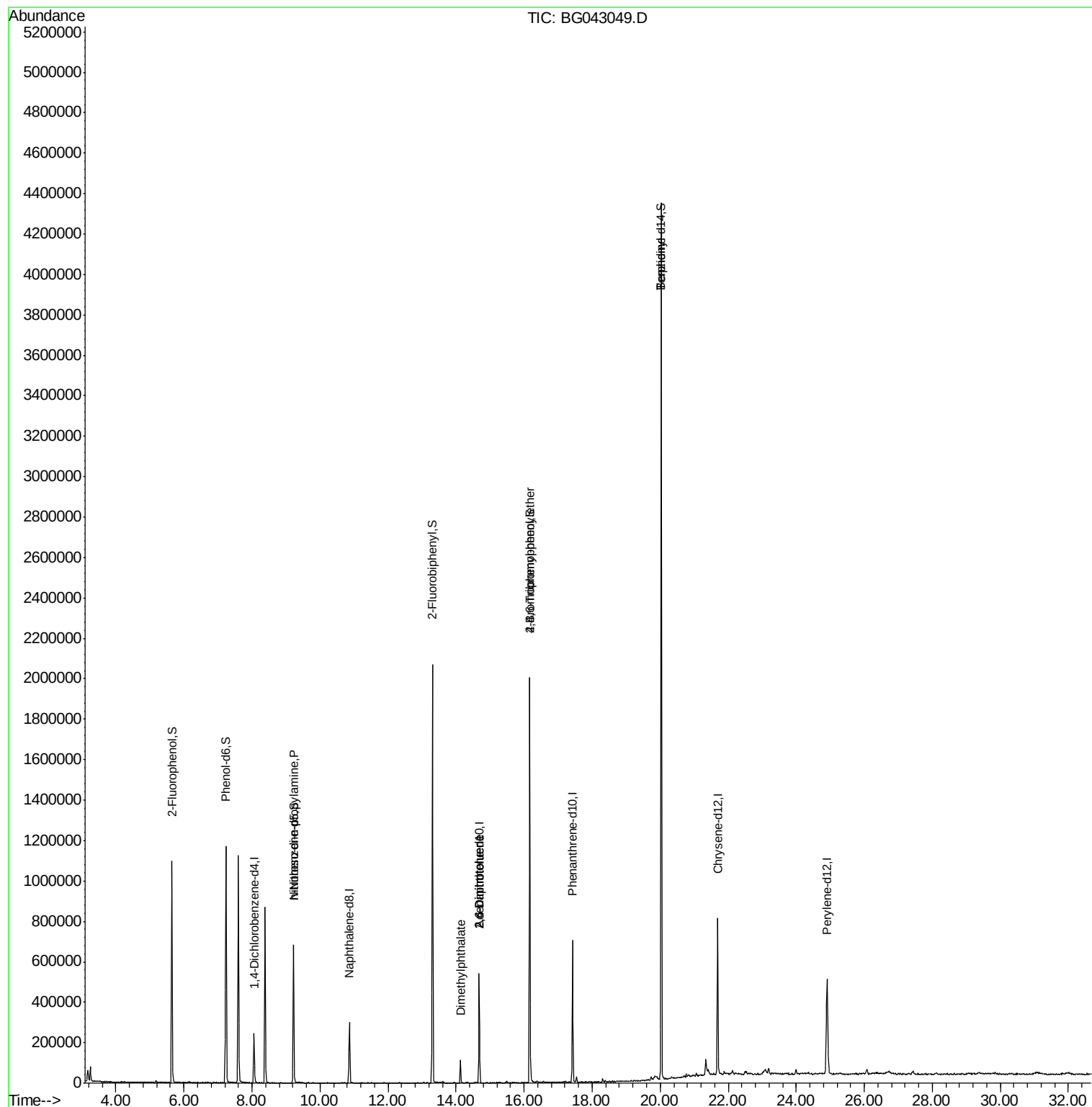
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	70326	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	259776	20.00	ng	-0.01
39) Acenaphthene-d10	14.68	164	189038	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	442524	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	475320	20.00	ng	-0.03
87) Perylene-d12	24.90	264	537105	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	475302	120.61	ng	-0.01
7) Phenol-d6	7.24	99	682305	120.23	ng	0.00
23) Nitrobenzene-d5	9.22	82	425741	79.66	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	431898	132.87	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1120479	85.93	ng	-0.02
79) Terphenyl-d14	20.03	244	2107915	94.50	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	59115	15.865	ng	# 68
50) Dimethylphthalate	14.13	163	76452	5.398	ng	# 98
51) 2,6-Dinitrotoluene	14.68	165	26392	8.750	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	26392	5.975	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	29532	5.317	ng	# 1
77) Benzidine	20.03	184	34500	2.899	ng	# 92

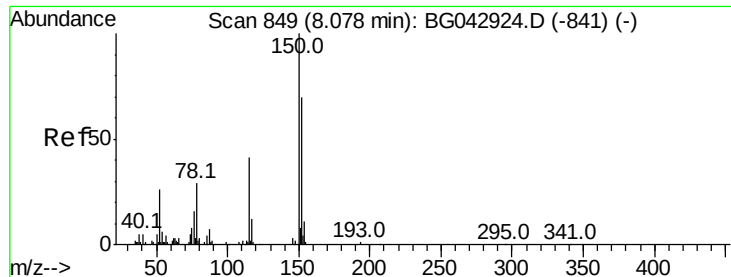
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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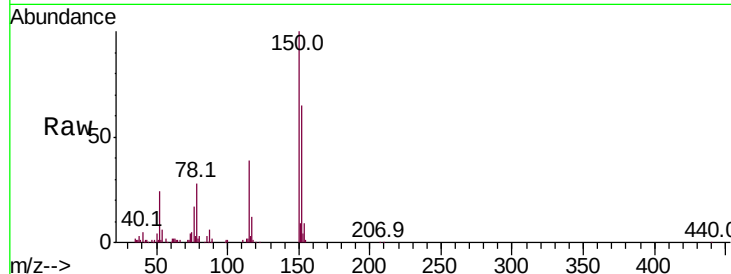


#1

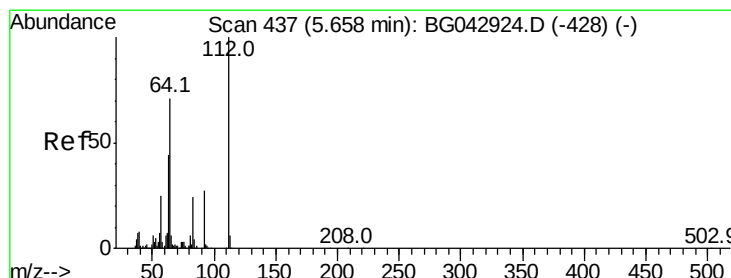
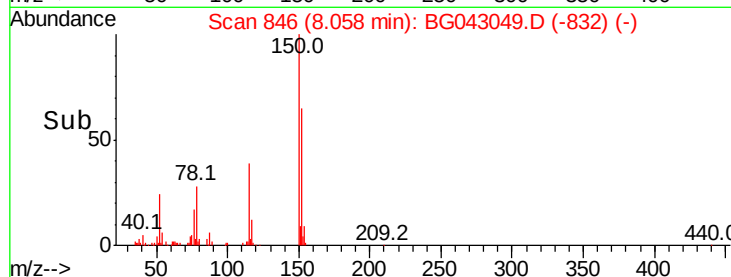
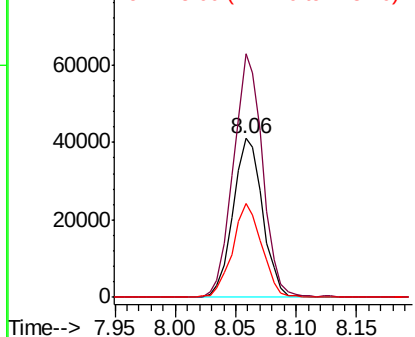
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043049.D
Acq: 5 Oct 2019 11:05

Instrument :
BNA_G
ClientSampleId :
PB123594BL

Tot Ion:152 Resp: 70326
Ion Ratio Lower Upper
152 100
150 153.2 115.0 172.4
115 59.0 47.0 70.6



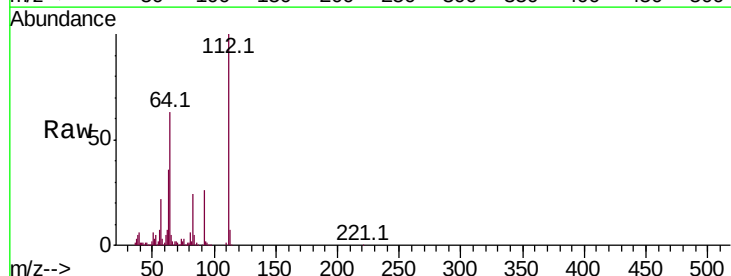
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



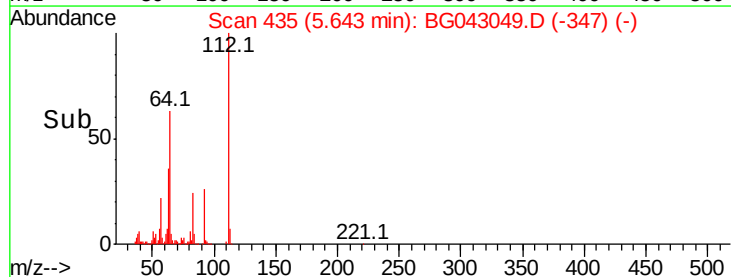
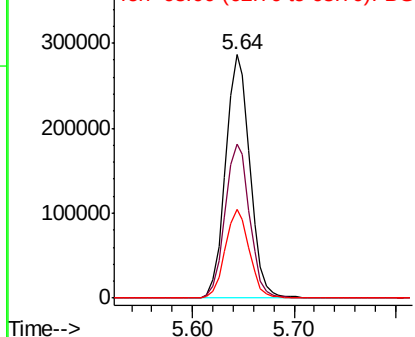
#5

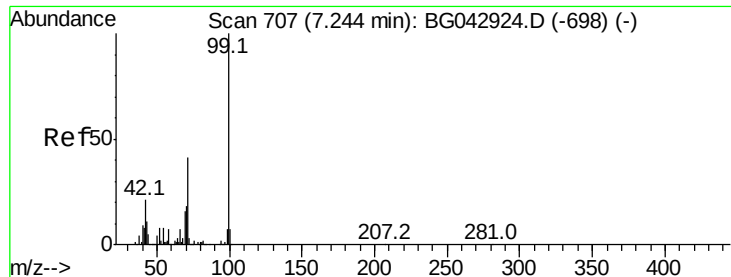
2-Fluorophenol
Concen: 120.615 ng
RT: 5.64 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG043049.D
Acq: 5 Oct 2019 11:05

Tgt Ion:112 Resp: 475302
Ion Ratio Lower Upper
112 100
64 63.3 56.6 84.8
63 36.2 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: 120.234 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

Instrument :

BNA_G

ClientSampleId :

PB123594BL

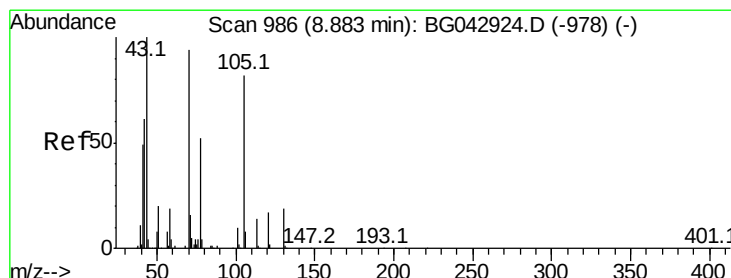
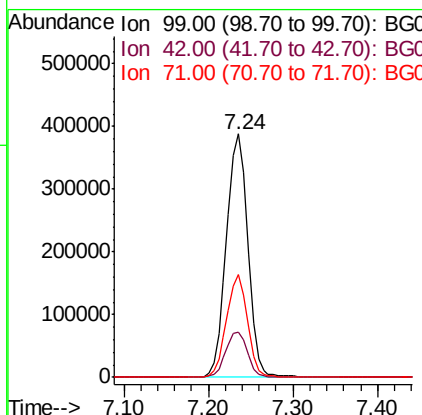
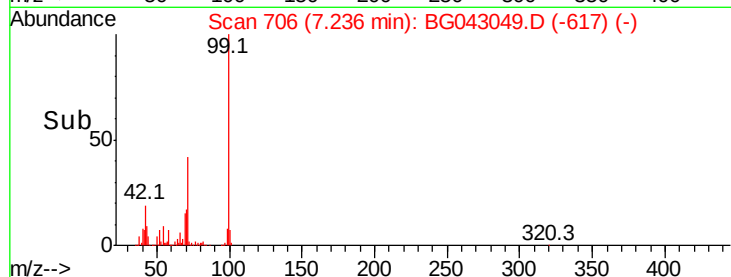
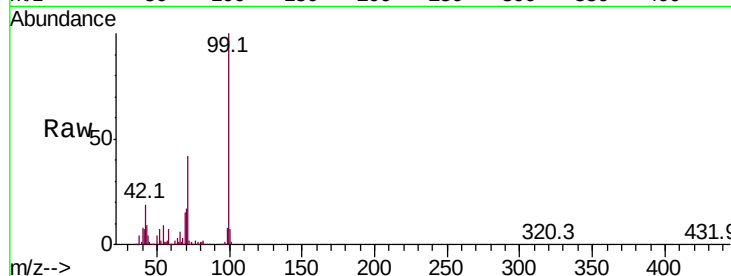
Tot Ion: 99 Resp: 682305

Ion Ratio Lower Upper

99 100

42 18.7 17.2 25.8

71 42.0 33.1 49.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.865 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

Tgt Ion: 70 Resp: 59115

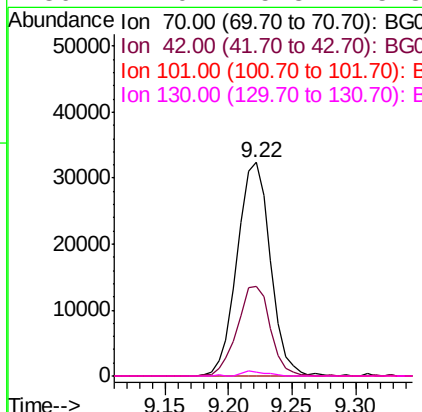
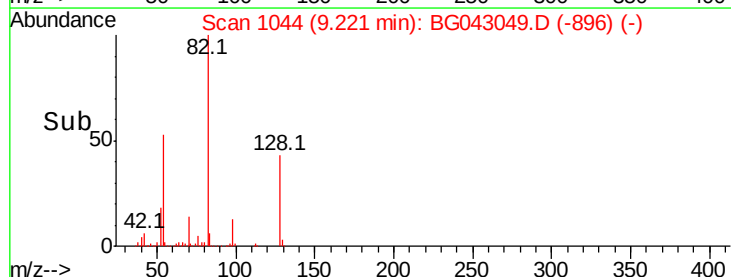
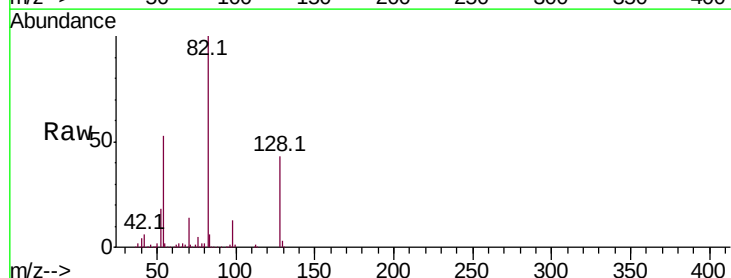
Ion Ratio Lower Upper

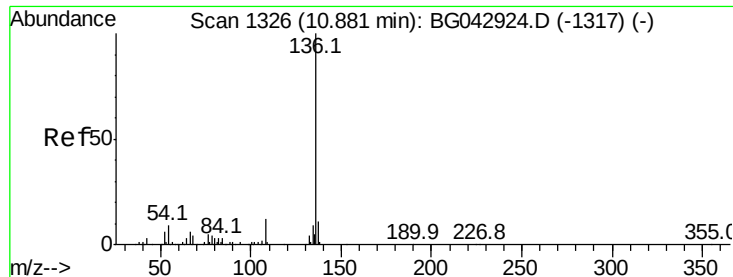
70 100

42 42.0 52.6 79.0#

101 0.0 8.7 13.1#

130 2.0 15.8 23.8#

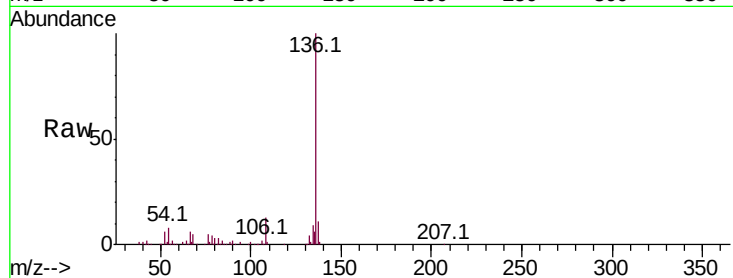




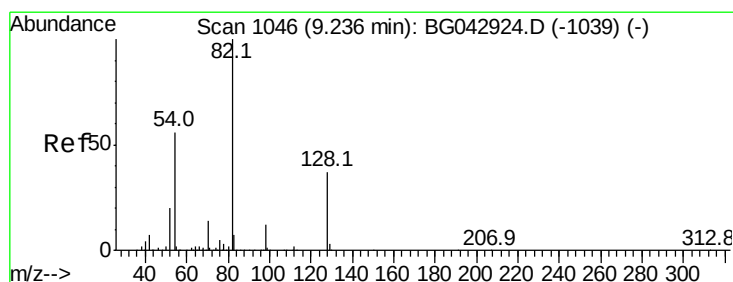
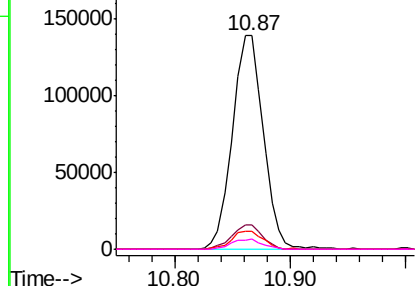
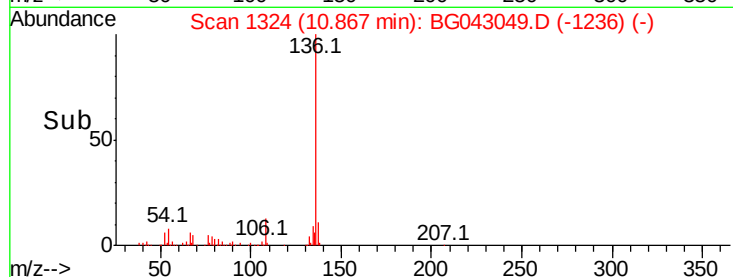
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG043049.D
Acq: 5 Oct 2019 11:05

Instrument :
BNA_G
ClientSampleId :
PB123594BL

Tot Ion:136	Resp:	259776
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.5 12.7
54	8.2	7.4 11.2
68	4.6	3.6 5.4

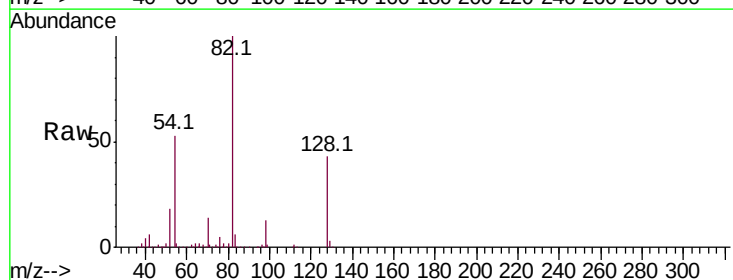


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

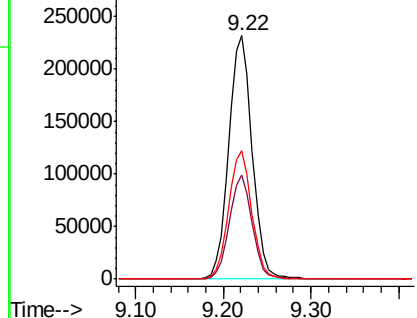
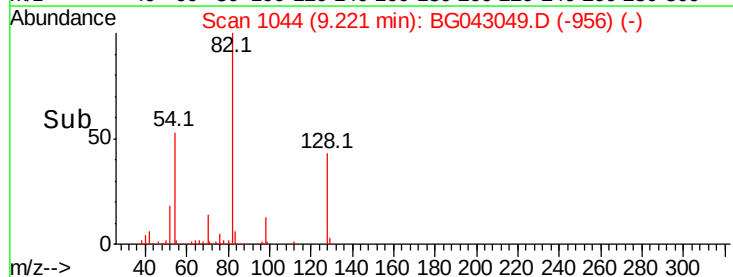


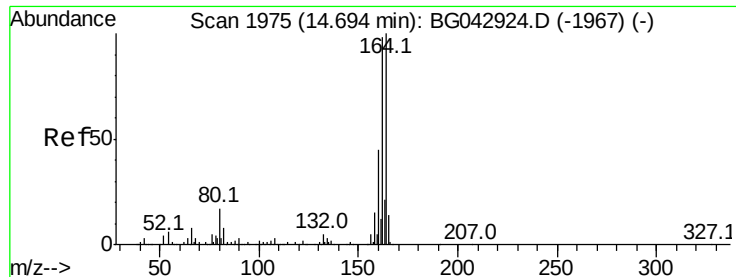
#23
Nitrobenzene-d5
Concen: 79.658 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG043049.D
Acq: 5 Oct 2019 11:05

Tgt Ion: 82	Resp:	425741
Ion	Ratio	Lower Upper
82	100	
128	42.9	29.5 44.3
54	52.9	44.6 67.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

Instrument :

BNA_G

ClientSampleId :

PB123594BL

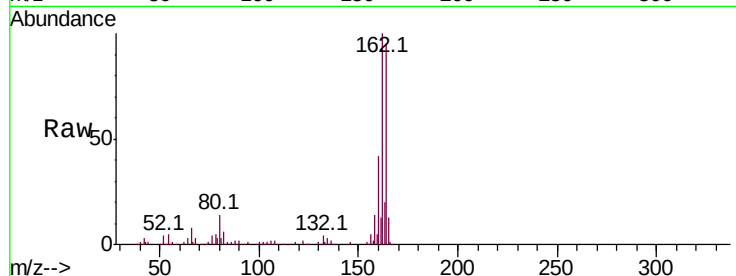
Tot Ion:164 Resp: 189038

Ion Ratio Lower Upper

164 100

162 105.4 78.5 117.7

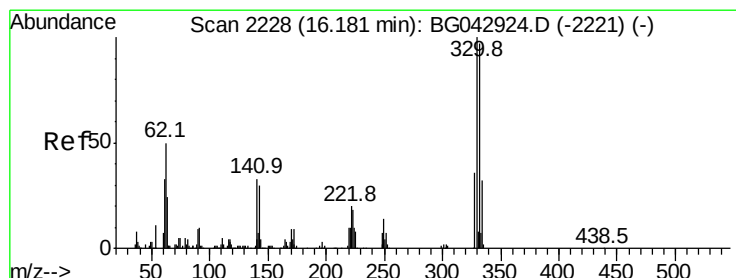
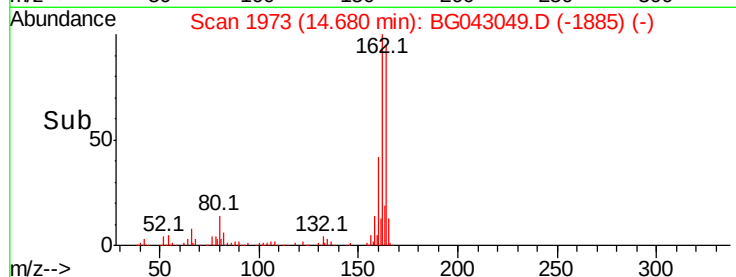
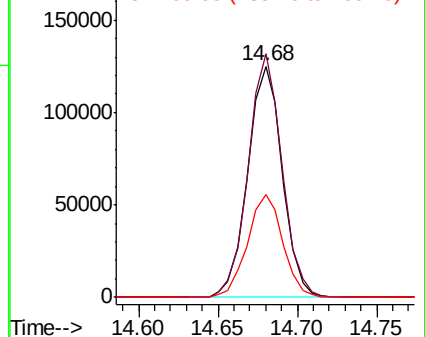
160 44.5 35.9 53.9



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: 132.866 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

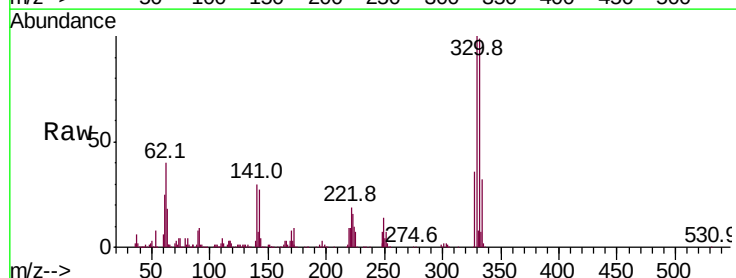
Tgt Ion:330 Resp: 431898

Ion Ratio Lower Upper

330 100

332 97.3 78.2 117.2

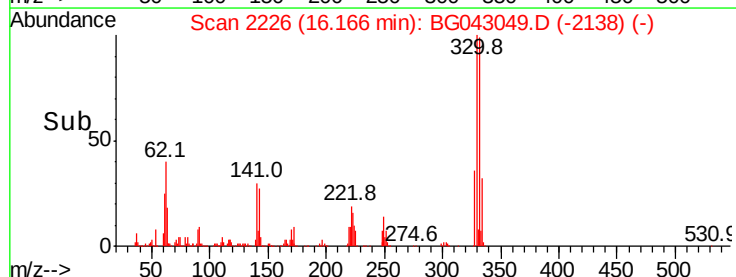
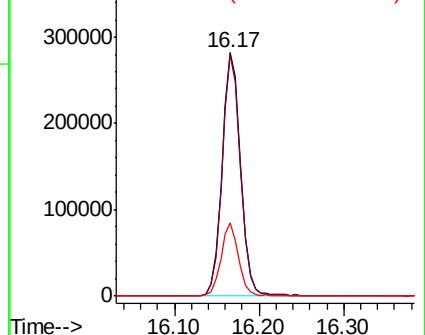
141 28.8 26.0 39.0

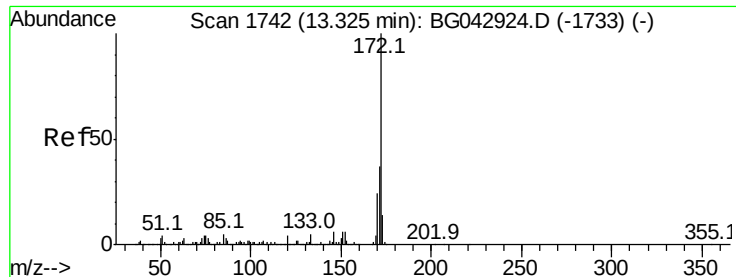


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

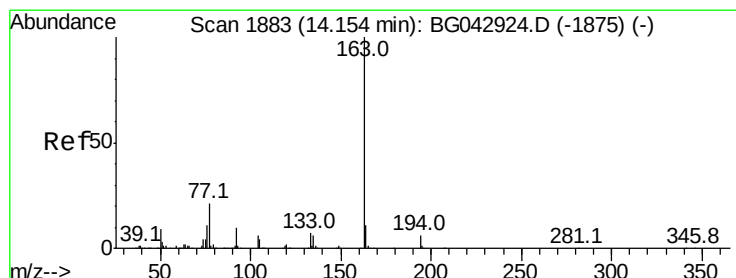
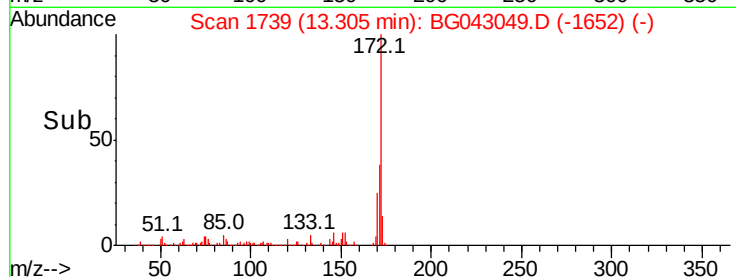
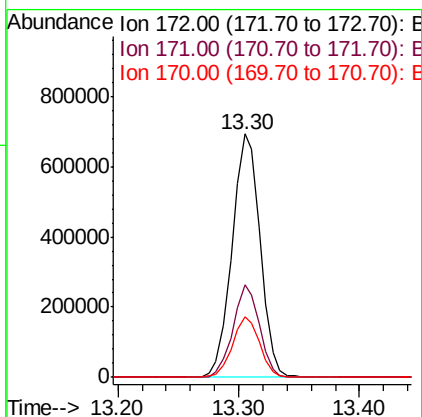
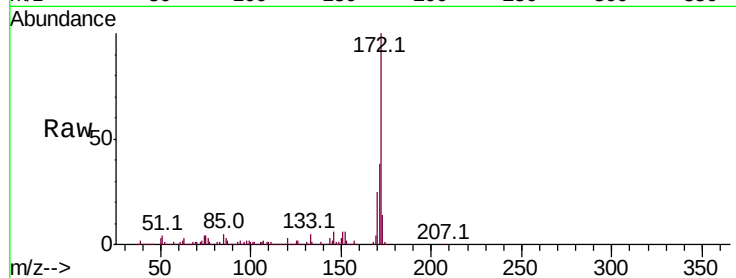




#45
2-Fluorobiphenyl
Concen: 85.927 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043049.D
Acq: 5 Oct 2019 11:05

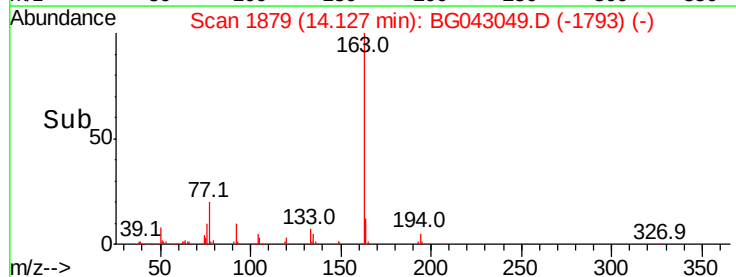
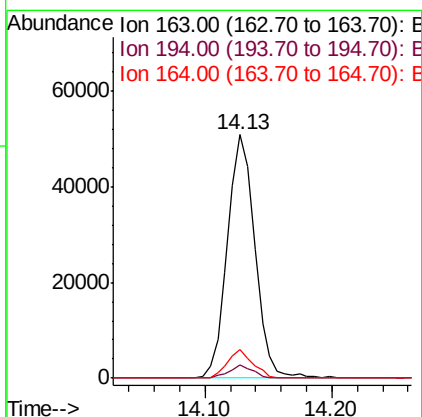
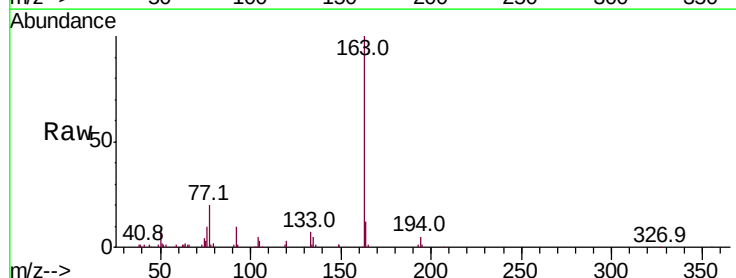
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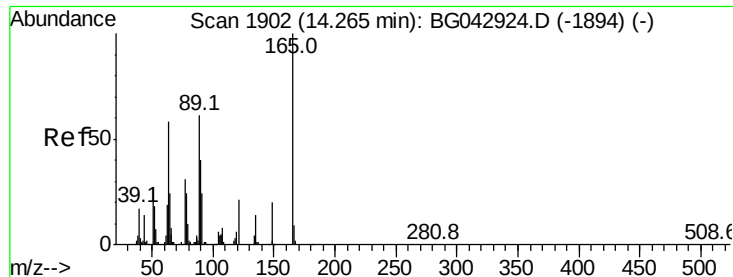
Tot Ion:172 Resp: 1120479
Ion Ratio Lower Upper
172 100
171 38.0 29.6 44.4
170 25.0 19.6 29.4



#50
Dimethylphthalate
Concen: 5.398 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.03 min
Lab File: BG043049.D
Acq: 5 Oct 2019 11:05

Tgt Ion:163 Resp: 76452
Ion Ratio Lower Upper
163 100
194 5.2 4.4 6.6
164 11.5 8.6 12.8





#51

2,6-Dinitrotoluene

Concen: 8.750 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.41 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

Instrument :

BNA_G

ClientSampleId :

PB123594BL

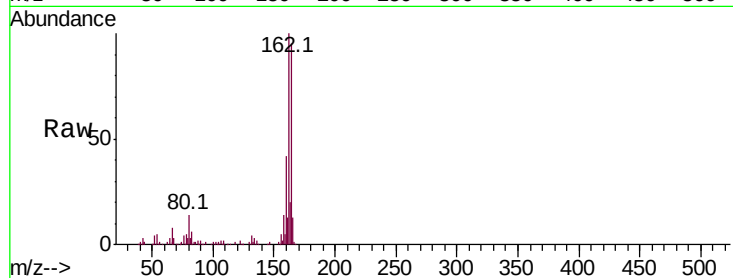
Tot Ion:165 Resp: 26392

Ion Ratio Lower Upper

165 100

63 0.0 50.3 75.5#

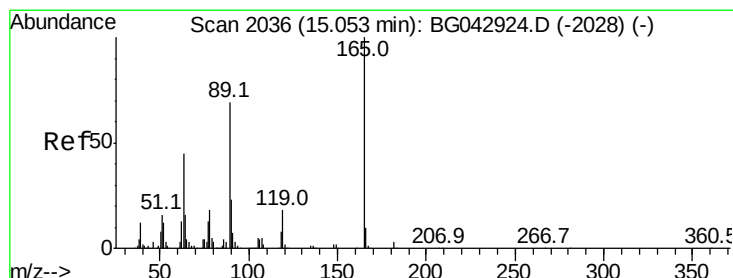
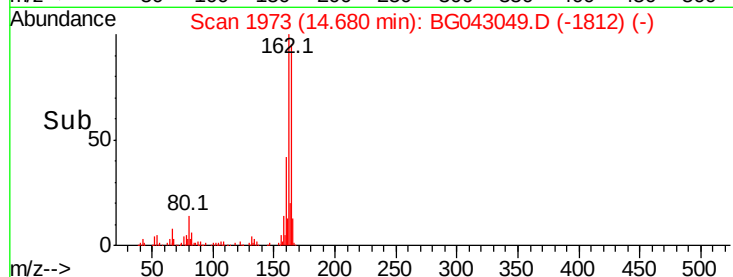
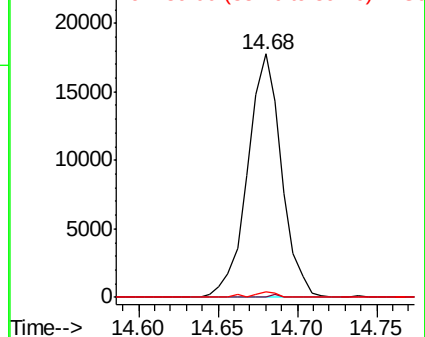
89 2.5 48.9 73.3#



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: 5.975 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.37 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

Tgt Ion:165 Resp: 26392

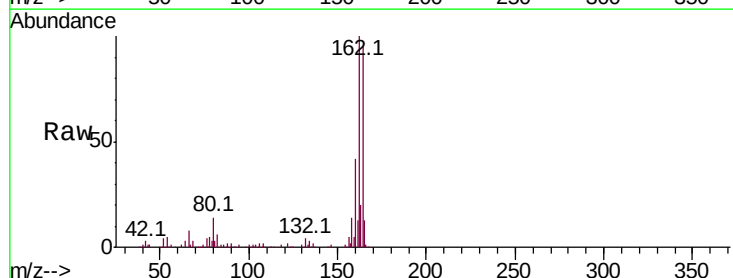
Ion Ratio Lower Upper

165 100

63 0.0 36.5 54.7#

89 2.5 55.5 83.3#

182 0.0 2.4 3.6#

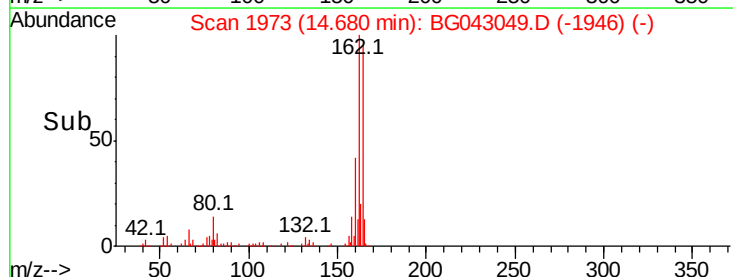
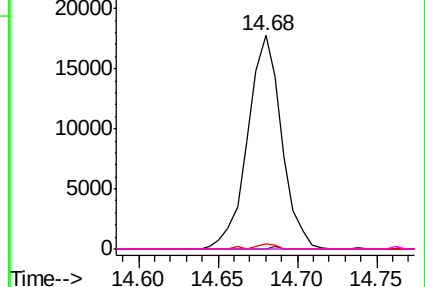


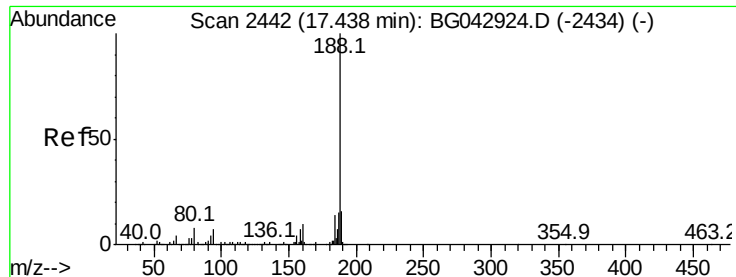
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

Instrument :

BNA_G

ClientSampleId :

PB123594BL

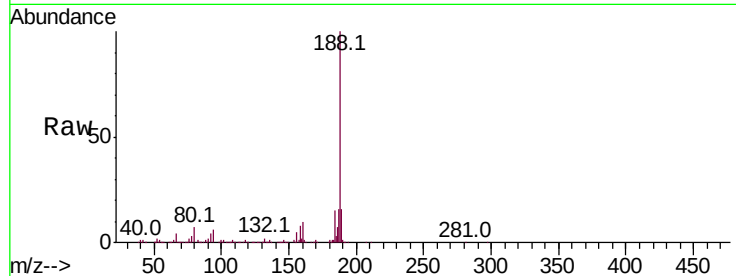
Tot Ion:188 Resp: 442524

Ion Ratio Lower Upper

188 100

94 5.8 5.7 8.5

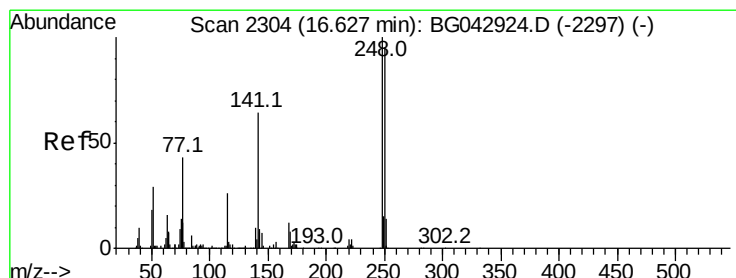
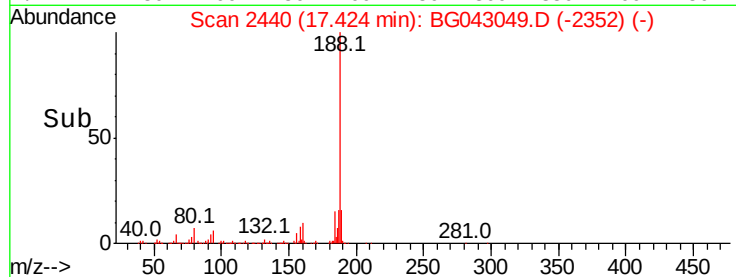
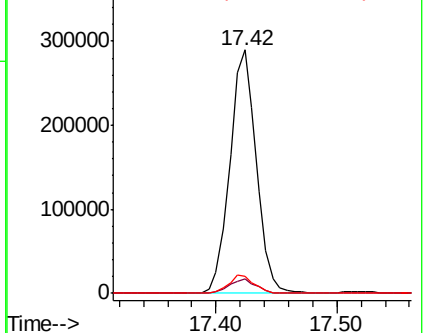
80 7.1 6.5 9.7



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: 5.317 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

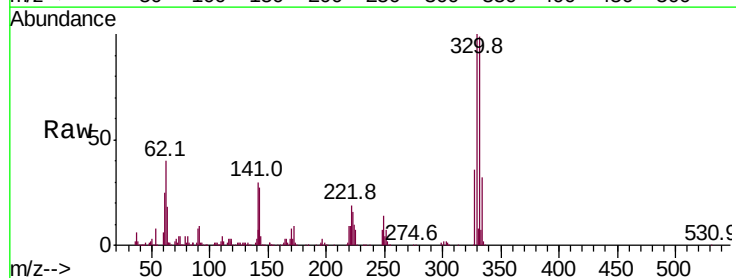
Tgt Ion:248 Resp: 29532

Ion Ratio Lower Upper

248 100

250 201.2 75.8 113.8#

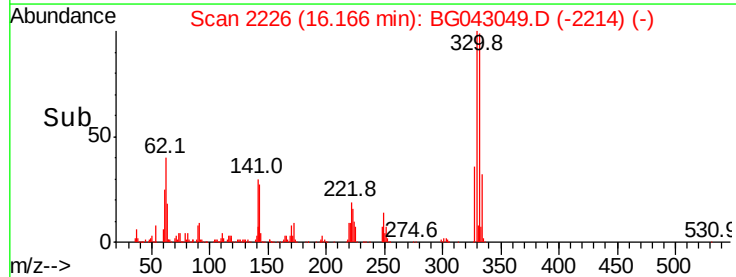
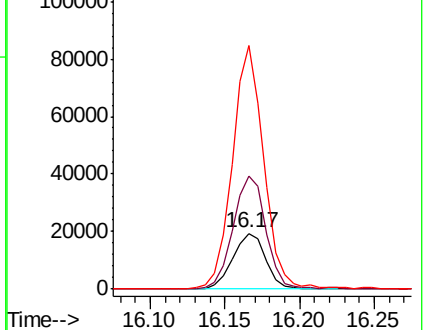
141 434.4 51.1 76.7#

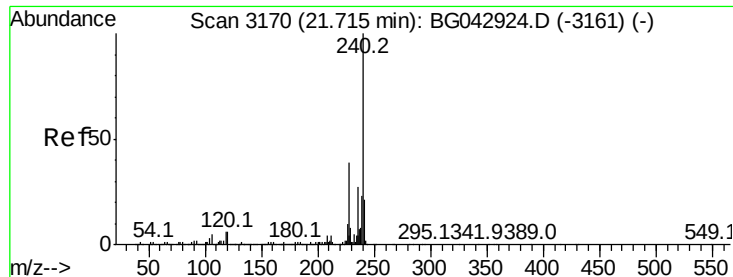


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG043049.D

Acq: 5 Oct 2019 11:05

Instrument :

BNA_G

ClientSampleId :

PB123594BL

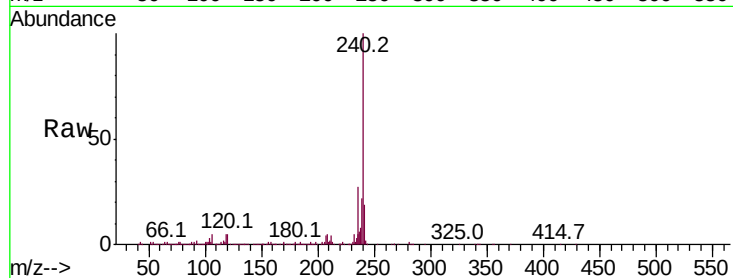
Tot Ion:240 Resp: 475320

Ion Ratio Lower Upper

240 100

120 5.0 4.8 7.2

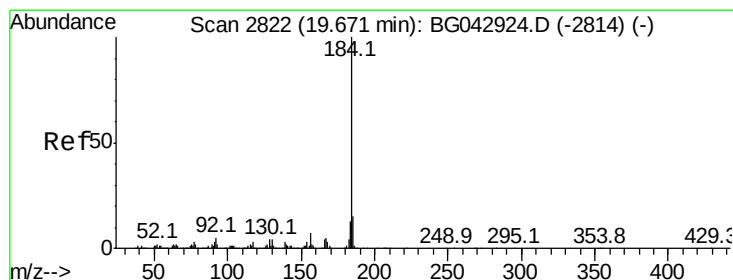
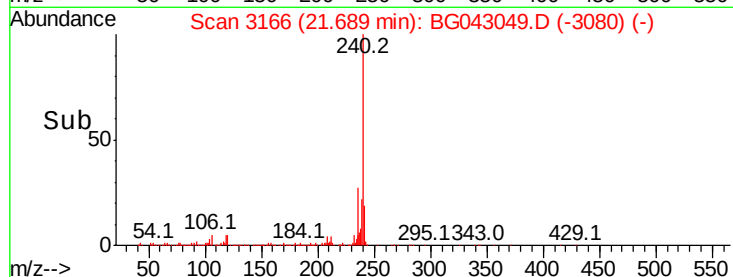
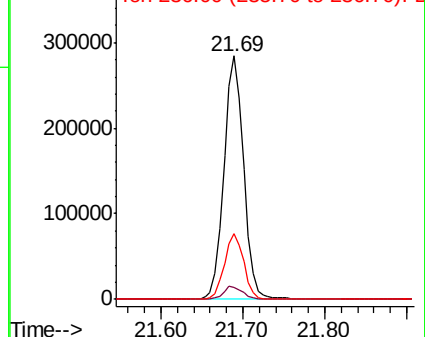
236 27.0 21.4 32.0



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: 2.899 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

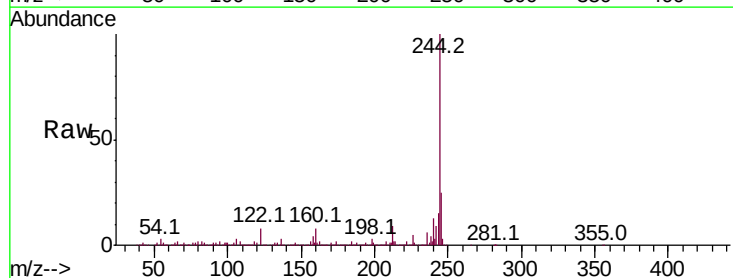
Tgt Ion:184 Resp: 34500

Ion Ratio Lower Upper

184 100

185 18.4 11.8 17.8#

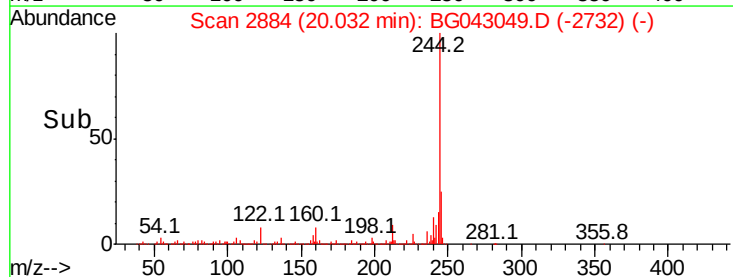
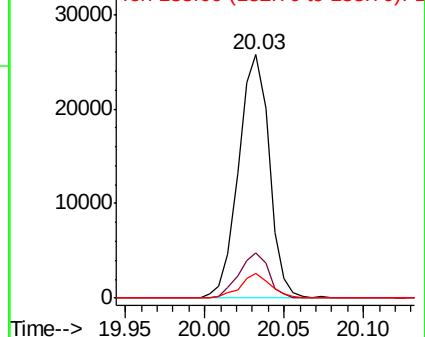
183 10.1 10.1 15.1

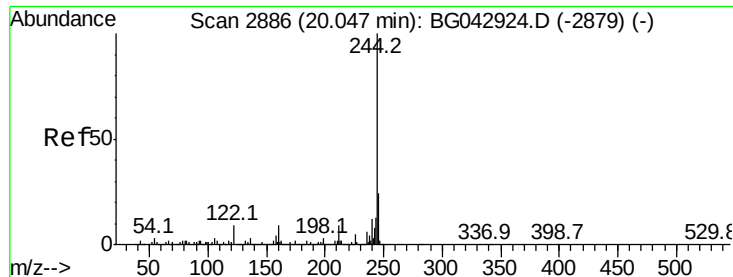


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 94.499 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

Instrument :

BNA_G

ClientSampleId :

PB123594BL

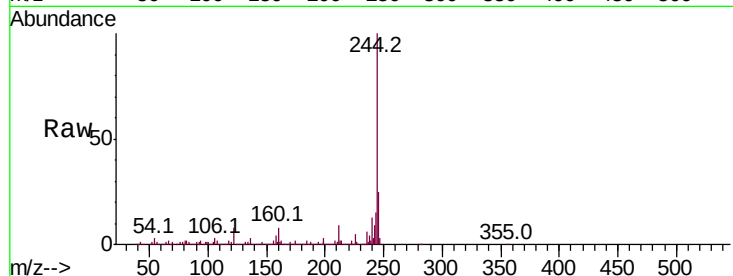
Tot Ion:244 Resp: 2107915

Ion Ratio Lower Upper

244 100

212 8.6 7.4 11.0

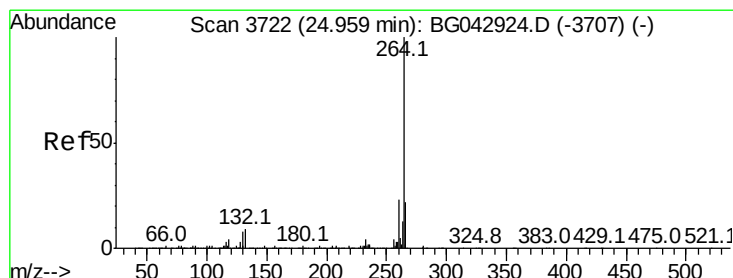
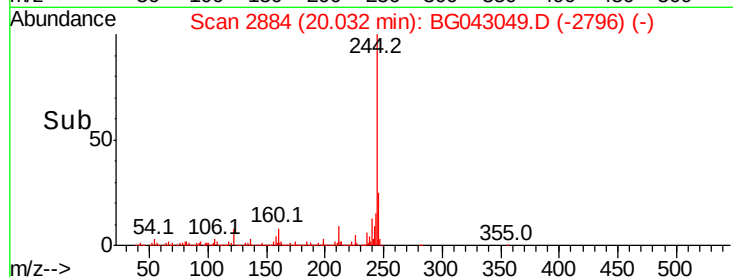
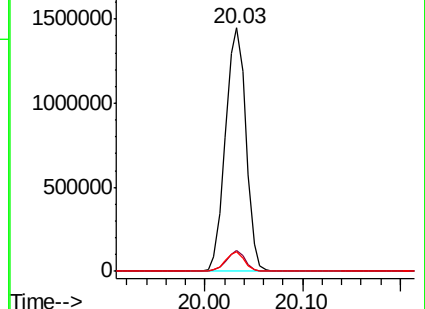
122 8.2 7.0 10.4



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: 24.90 min Scan# 3713

Delta R.T. -0.06 min

Lab File: BG043049.D

Acq: 5 Oct 2019 11:05

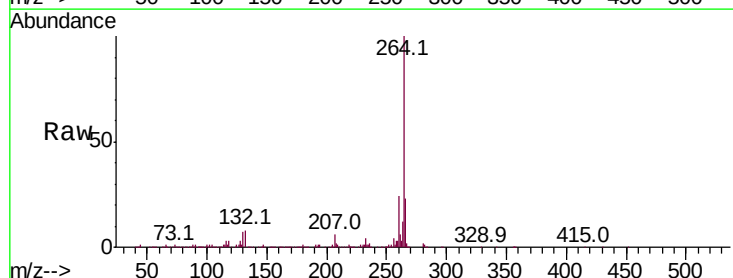
Tgt Ion:264 Resp: 537105

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 23.0 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

