

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045065.D
 Acq On : 18 Apr 2020 13:44
 Operator : CG/JU
 Sample : L2271-12
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-9

Quant Time: Apr 20 00:16:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	63371	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	266944	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	199689	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	485530	20.00	ng	0.00
76) Chrysene-d12	21.66	240	461944	20.00	ng	0.00
87) Perylene-d12	24.85	264	513609	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	531242	138.40	ng	0.00
7) Phenol-d6	7.18	99	796474	139.66	ng	0.00
23) Nitrobenzene-d5	9.18	82	545453	93.23	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	471042	152.69	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1329342	97.61	ng	0.00
79) Terphenyl-d14	20.01	244	2236363	105.52	ng	0.00

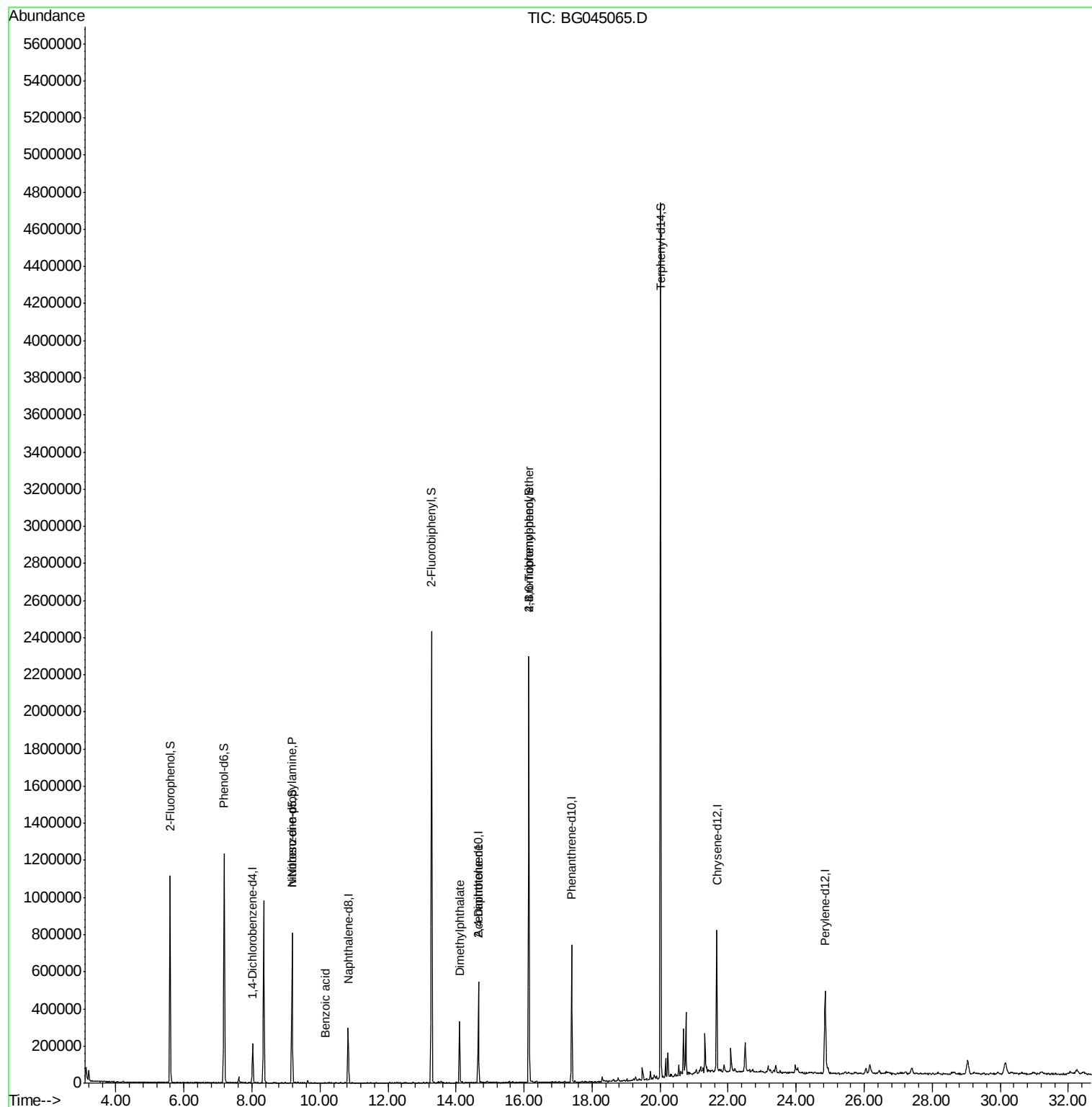
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	2455	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	74685	18.518	ng	80
32) Benzoic acid	10.15	122	59	6.389	ng	1
50) Dimethylphthalate	14.10	163	223308	13.734	ng	99
57) 2,4-Dinitrotoluene	14.66	165	25506	4.799	ng	23
67) 4-Bromophenyl-phenylether	16.14	248	33003	5.269	ng	1
69) Atrazine	16.64	200	61	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	1538	Below Cal	#	76
75) Fluoranthene	19.45	202	1484	Below Cal	#	71
77) Benzidine	20.01	184	43076	Below Cal	#	93

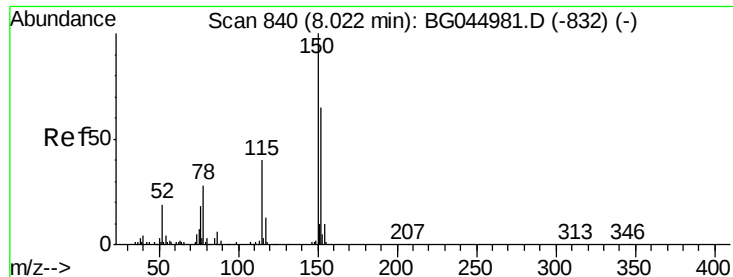
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Instrument :

BNA_G

ClientSampleId :

BG-9

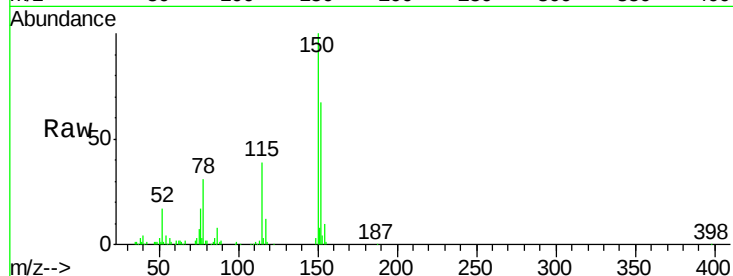
Tot Ion:152 Resp: 63371

Ion Ratio Lower Upper

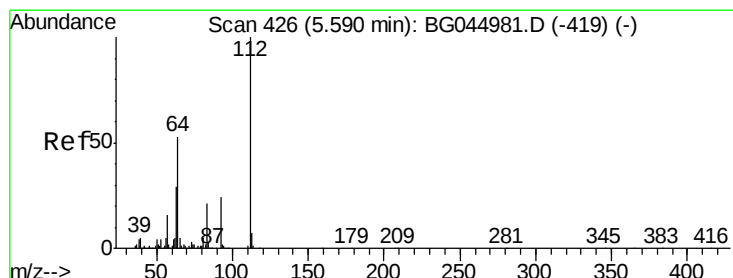
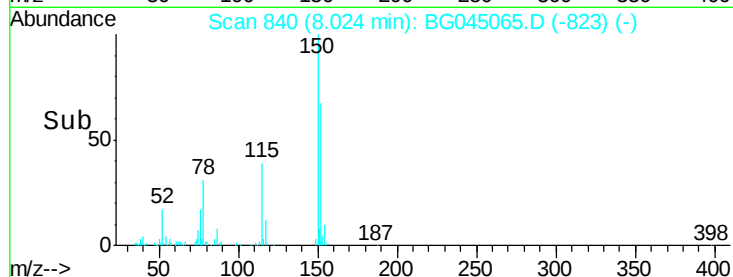
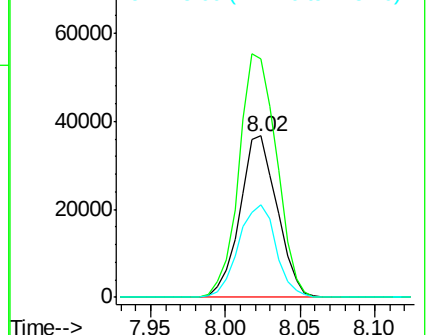
152 100

150 148.4 123.6 185.4

115 57.3 49.1 73.7



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: 138.400 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

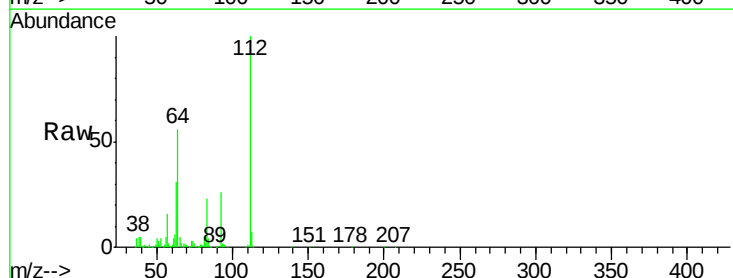
Tgt Ion:112 Resp: 531242

Ion Ratio Lower Upper

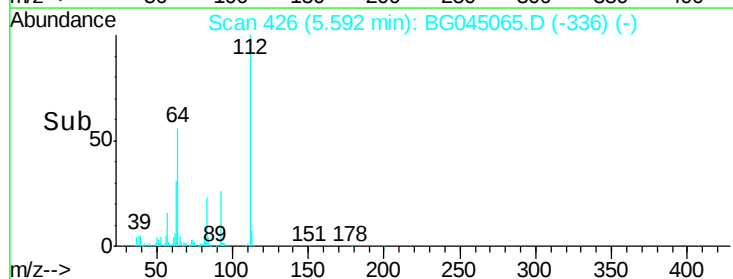
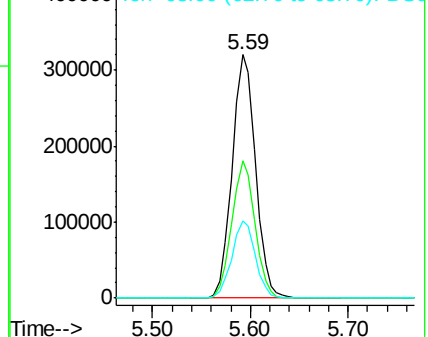
112 100

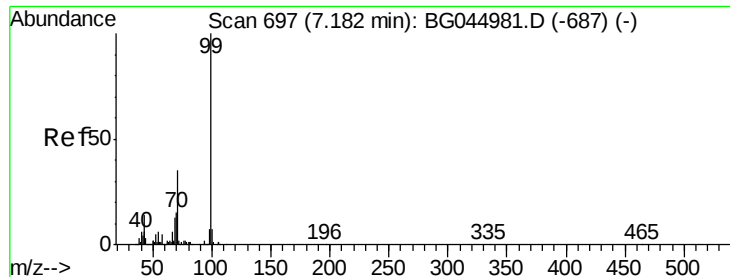
64 56.3 42.4 63.6

63 31.5 23.1 34.7



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: 139.659 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Instrument :

BNA_G

ClientSampleId :

BG-9

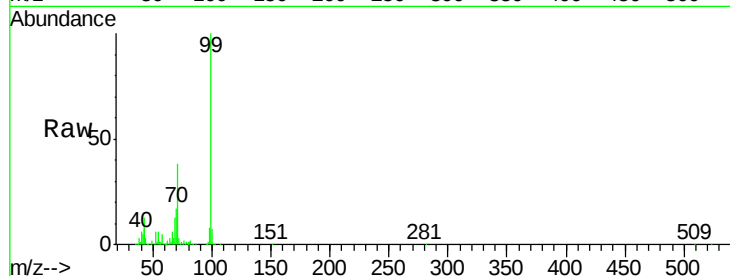
Tot Ion: 99 Resp: 796474

Ion Ratio Lower Upper

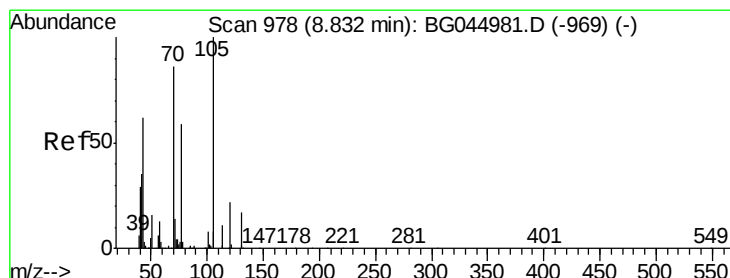
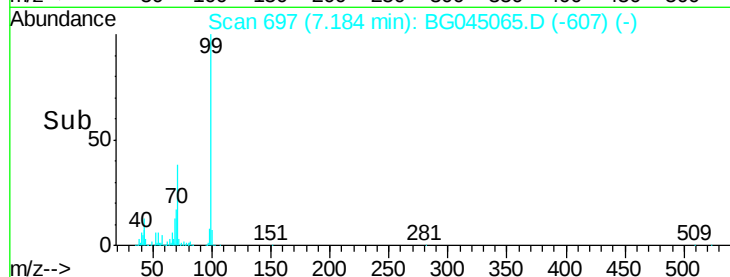
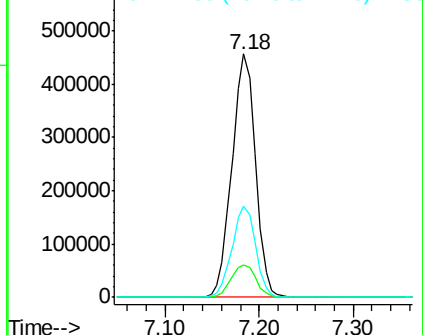
99 100

42 13.3 11.3 16.9

71 37.7 28.3 42.5



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: 18.518 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Tgt Ion: 70 Resp: 74685

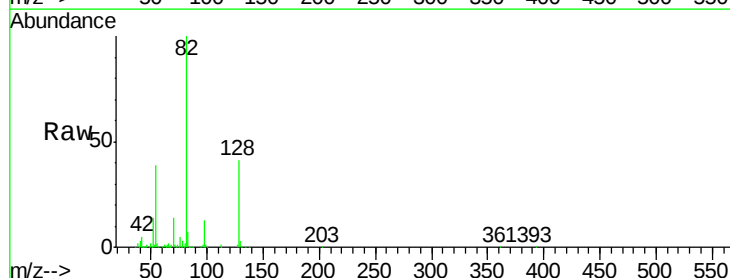
Ion Ratio Lower Upper

70 100

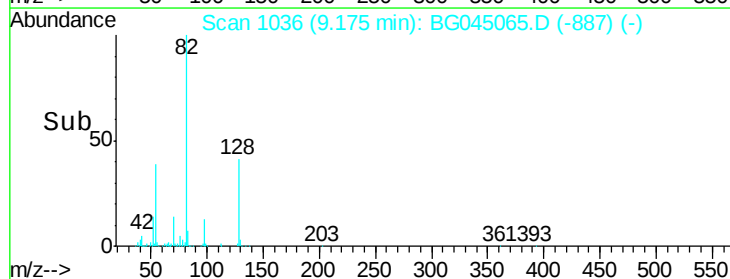
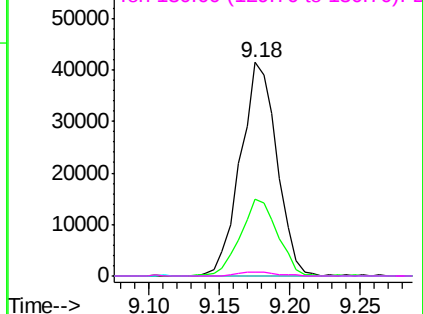
42 36.0 33.3 49.9

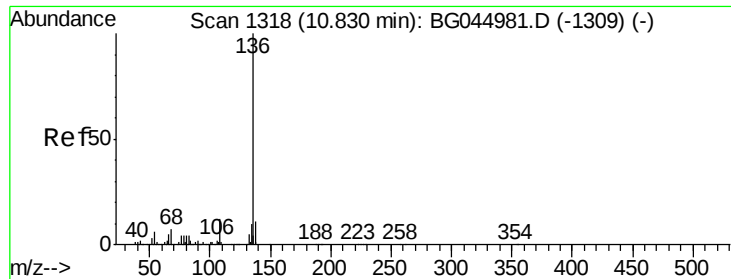
101 0.0 7.8 11.8#

130 2.0 15.8 23.6#



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

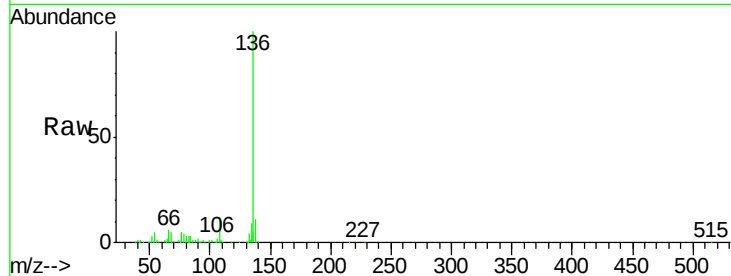




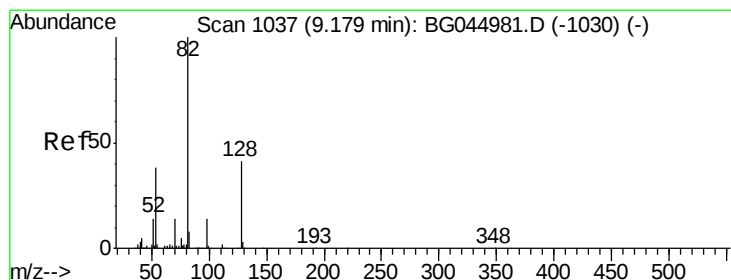
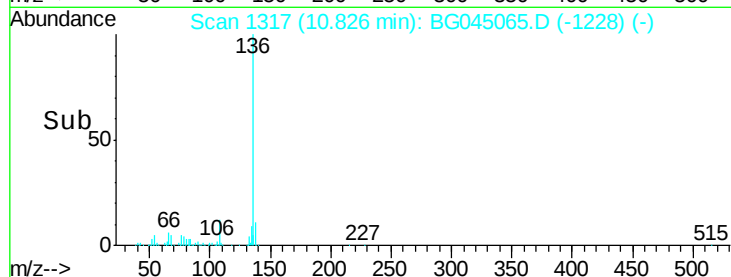
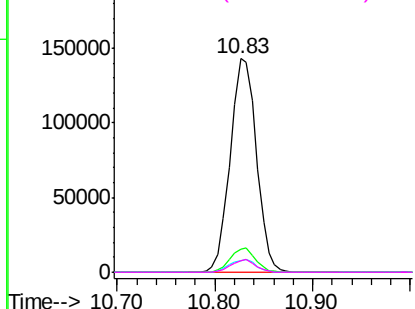
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045065.D
Acq: 18 Apr 2020 13:44

Instrument :
BNA_G
ClientSampleId :
BG-9

Tot Ion:136	Resp:	266944
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.6	13.0
54 5.2	4.8	7.2
68 5.4	5.2	7.8

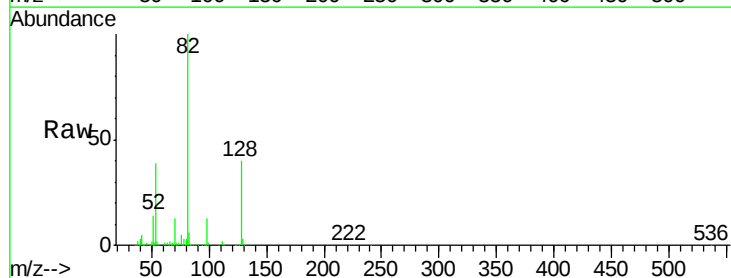


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

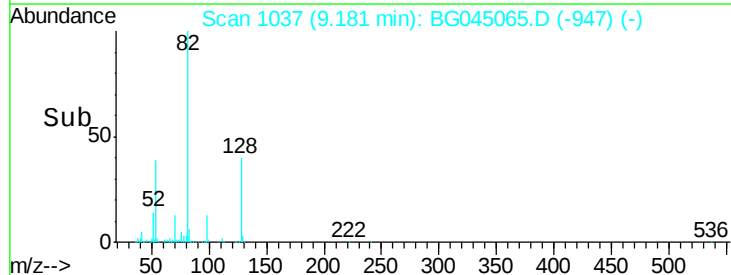
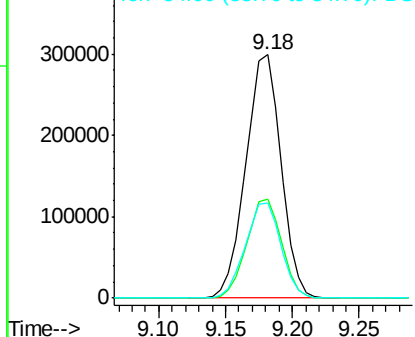


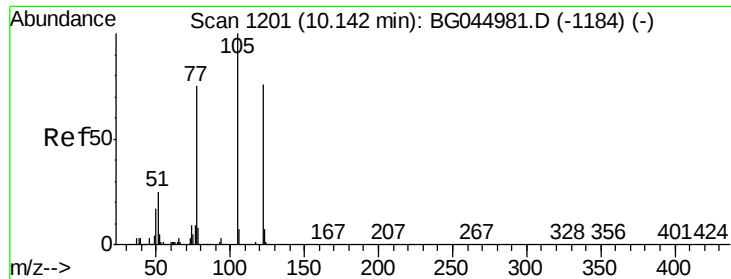
#23
Nitrobenzene-d5
Concen: 93.234 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045065.D
Acq: 18 Apr 2020 13:44

Tgt Ion	82	Resp: Lower	545453 Upper
	Ratio 100		
128	40.4	33.0	49.4
54	39.2	30.4	45.6



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

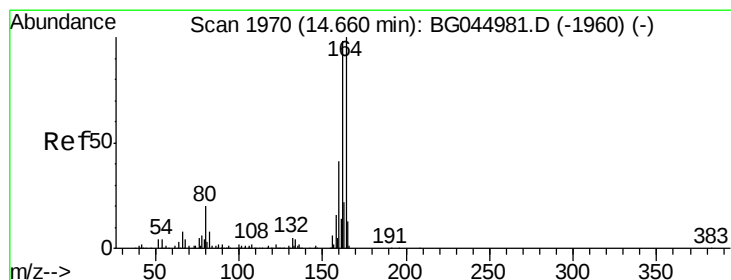
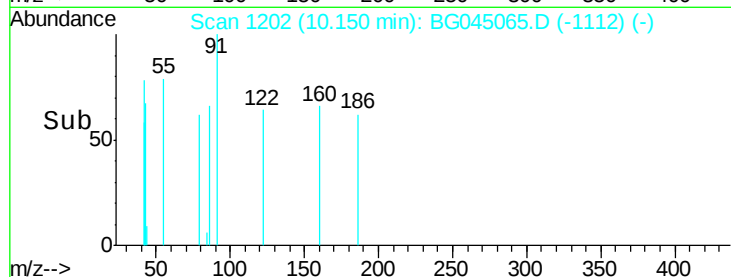
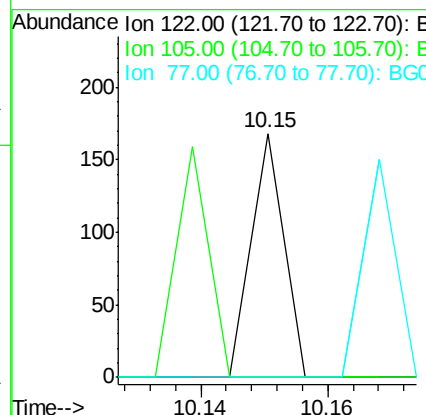
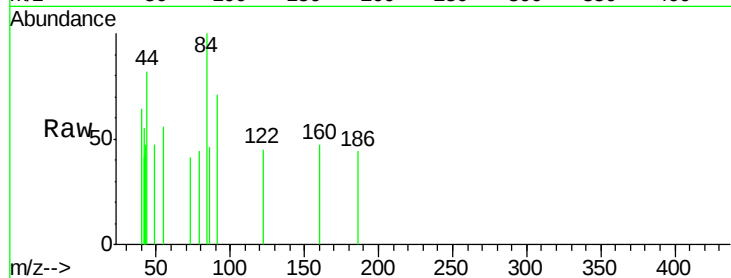




#32
Benzoic acid
Concen: 6.389 ng
RT: 10.15 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BG045065.D
Acq: 18 Apr 2020 13:44

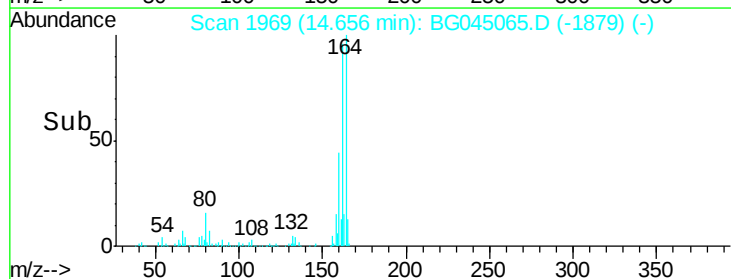
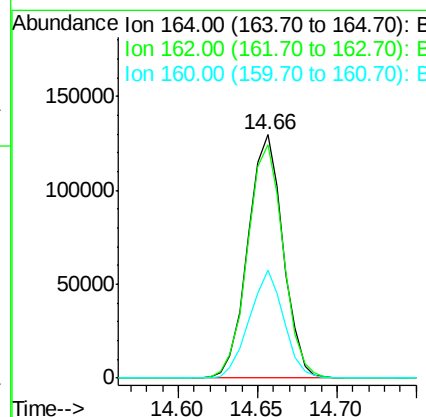
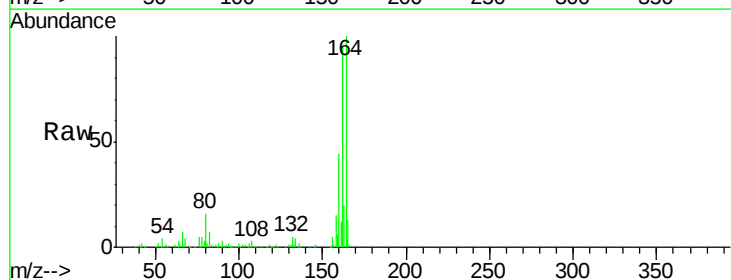
Instrument :
BNA_G
ClientSampleId :
BG-9

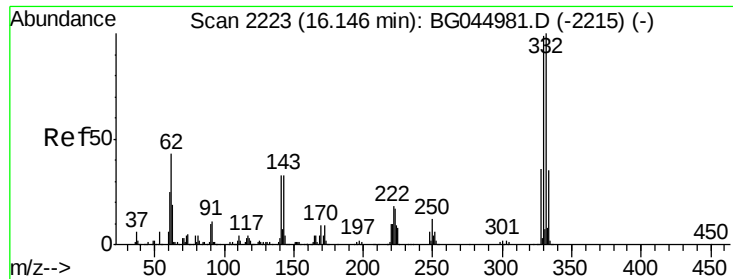
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045065.D
Acq: 18 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.8	78.7	118.1
160	44.4	32.8	49.2





#42

2,4,6-Tribromophenol

Concen: 152.691 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Instrument :

BNA_G

ClientSampleId :

BG-9

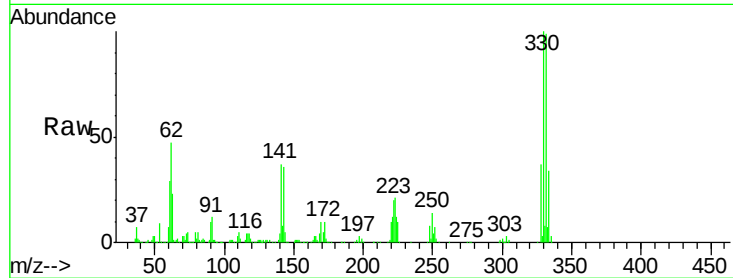
Tot Ion:330 Resp: 471042

Ion Ratio Lower Upper

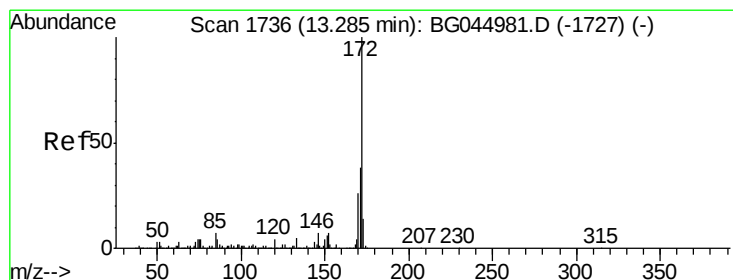
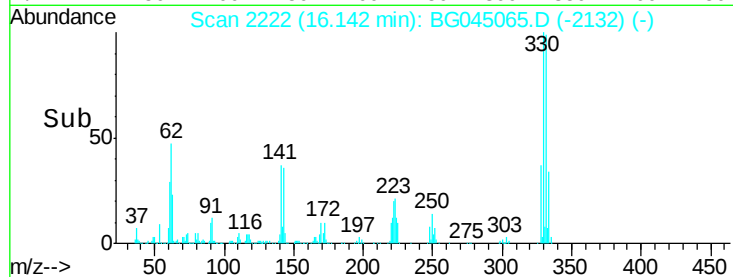
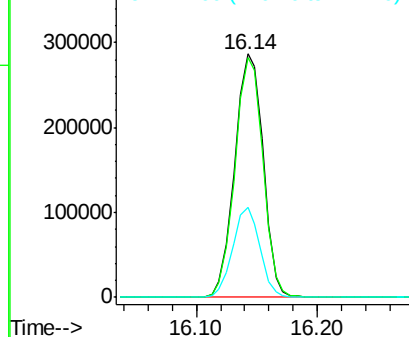
330 100

332 97.2 79.1 118.7

141 35.1 27.1 40.7



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: 97.614 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

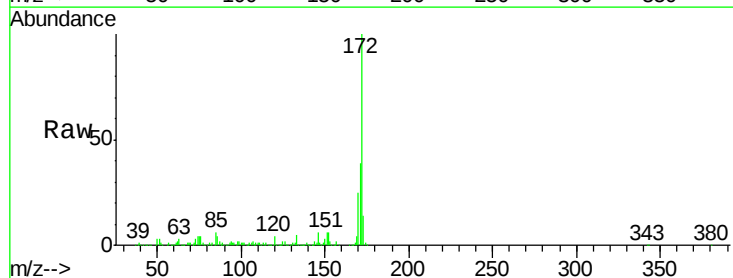
Tgt Ion:172 Resp: 1329342

Ion Ratio Lower Upper

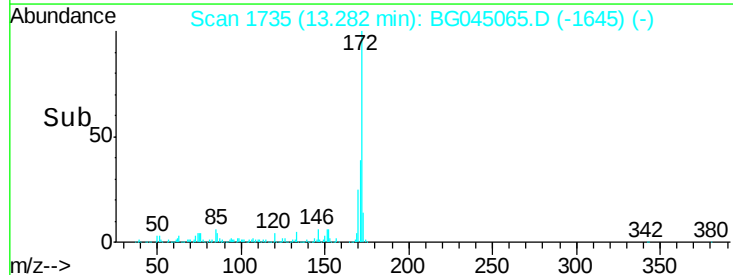
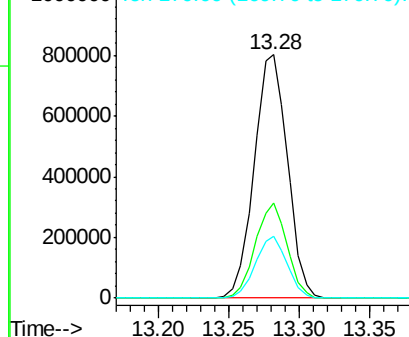
172 100

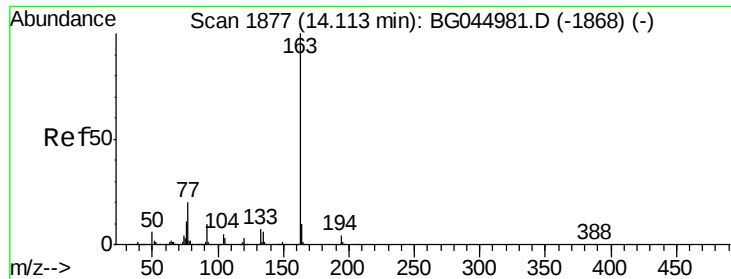
171 38.9 30.6 46.0

170 25.2 20.5 30.7



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





#50

Dimethylphthalate

Concen: 13.734 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Instrument :

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BG-9

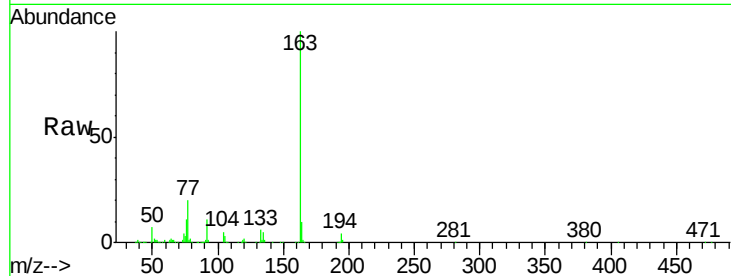
Tot Ion:163 Resp: 223308

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

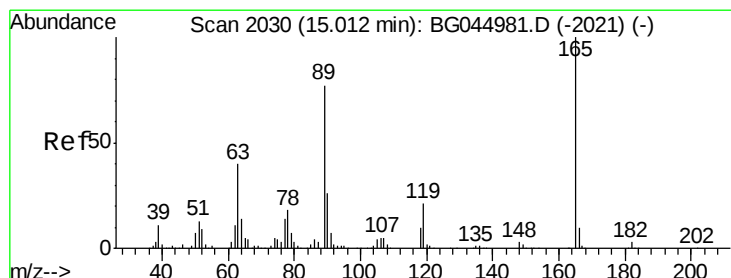
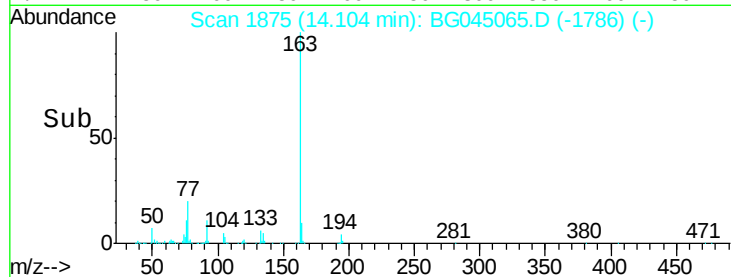
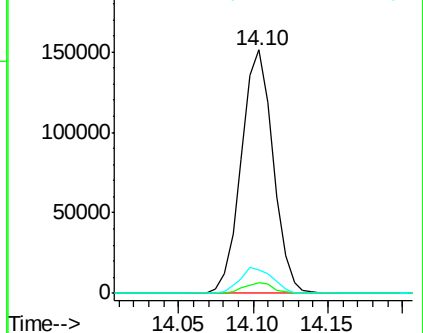
164 9.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.799 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.35 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Tgt Ion:165 Resp: 25506

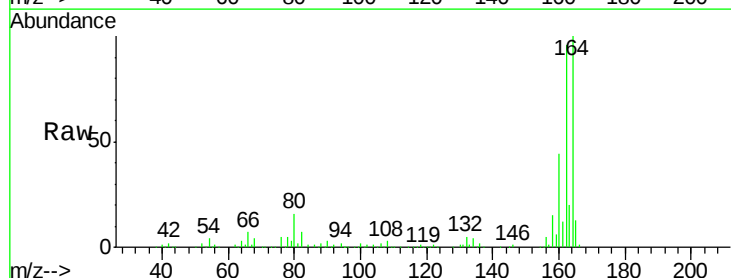
Ion Ratio Lower Upper

165 100

63 1.2 32.2 48.2#

89 1.8 61.7 92.5#

182 0.0 2.0 3.0#

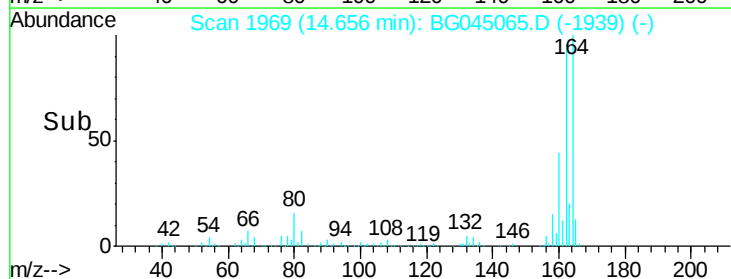
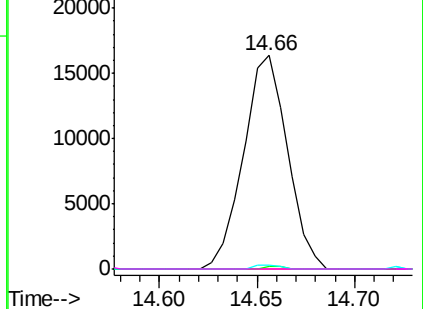


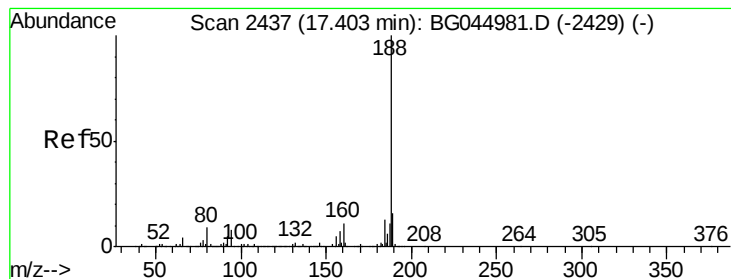
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Instrument :

BNA_G

ClientSampleId :

BG-9

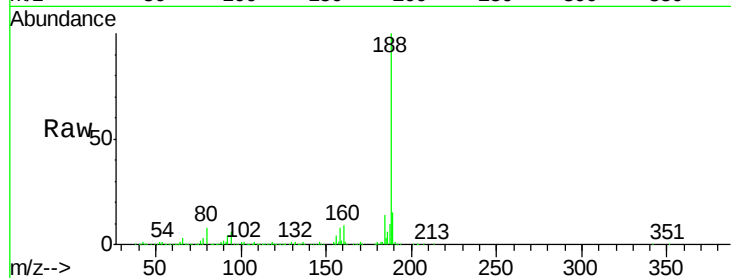
Tot Ion:188 Resp: 485530

Ion Ratio Lower Upper

188 100

94 6.2 6.2 9.4#

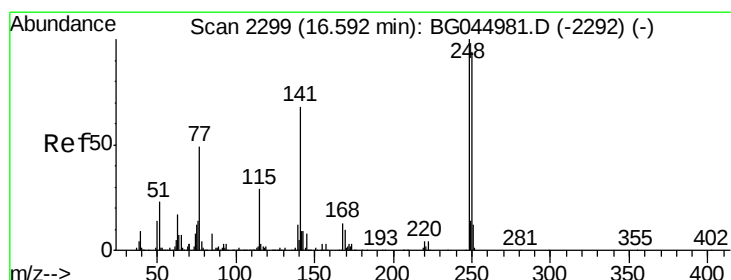
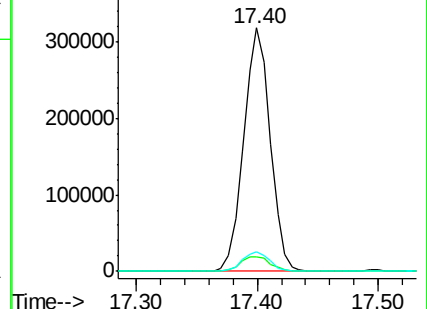
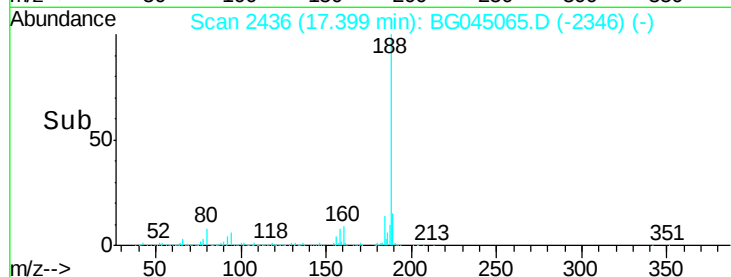
80 8.0 7.0 10.6



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: 5.269 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

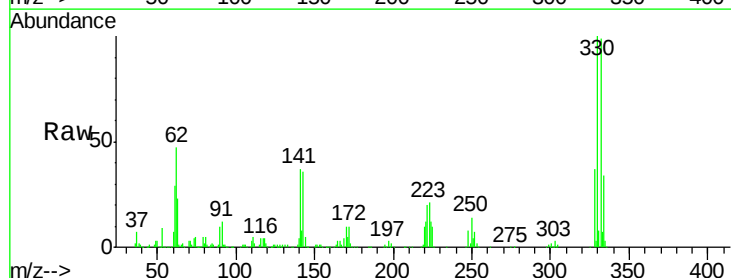
Tgt Ion:248 Resp: 33003

Ion Ratio Lower Upper

248 100

250 180.5 75.4 113.2#

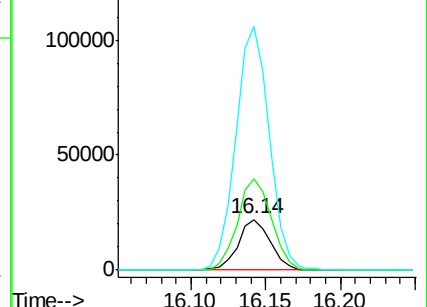
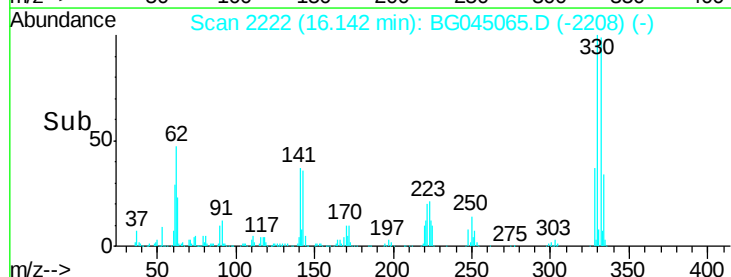
141 483.9 54.4 81.6#

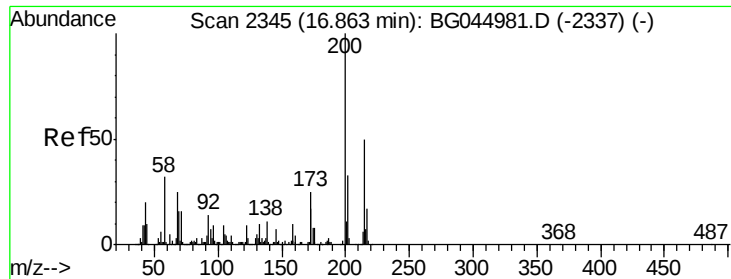


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.64 min Scan# 2306

Delta R.T. -0.22 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Instrument :

BNA_G

ClientSampleId :

BG-9

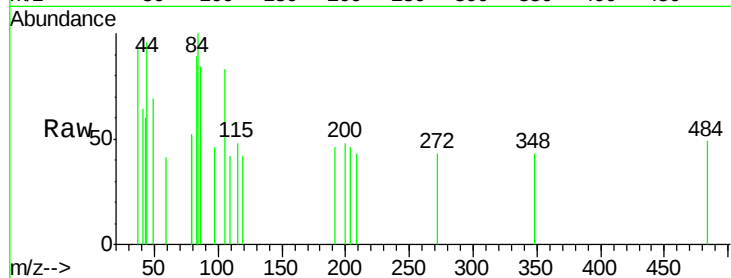
Tot Ion:200 Resp: 61

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#



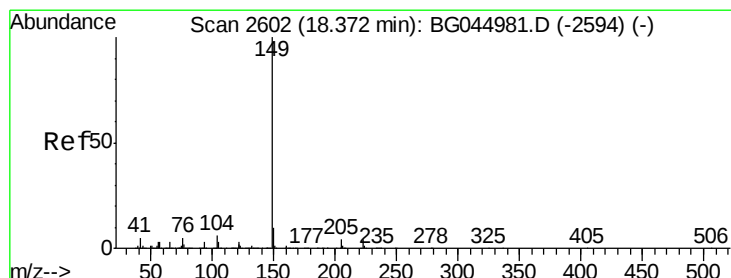
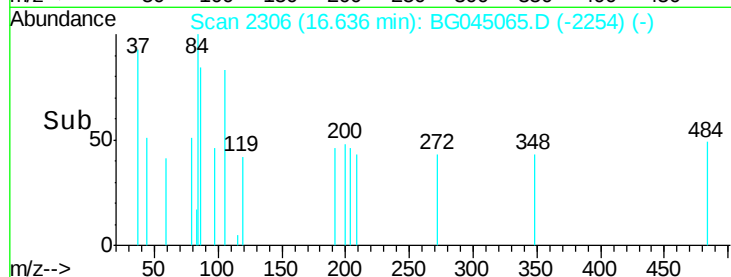
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.64

Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

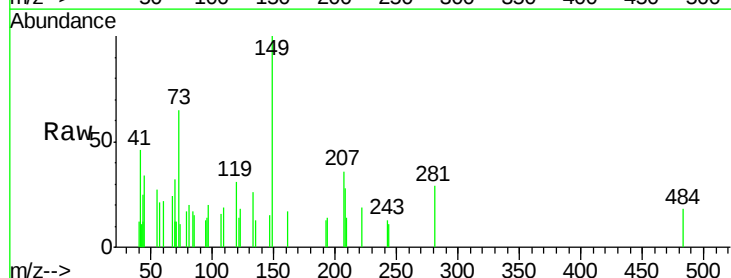
Tgt Ion:149 Resp: 1538

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 0.0 4.8 7.2#



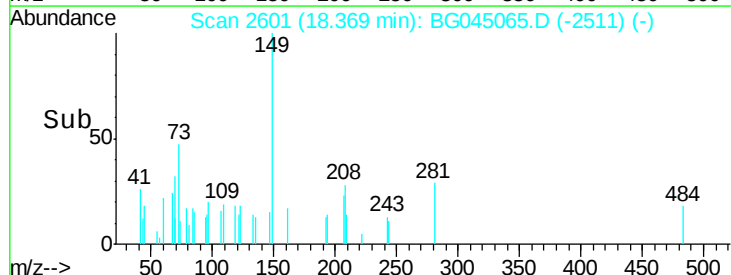
Abundance Ion 149.00 (148.70 to 149.70): E

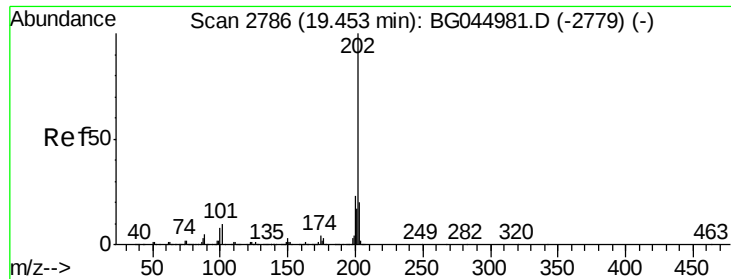
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.37

Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Instrument :

BNA_G

ClientSampleId :

BG-9

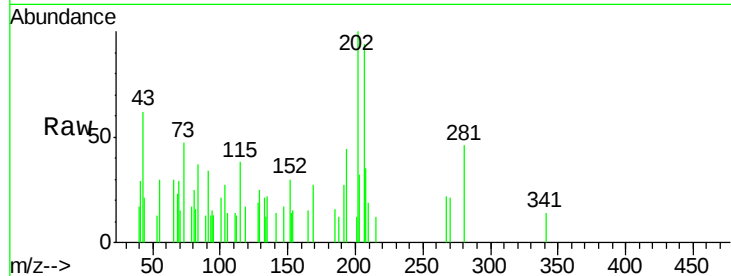
Tot Ion:202 Resp: 1484

Ion Ratio Lower Upper

202 100

101 21.4 0.0 29.6

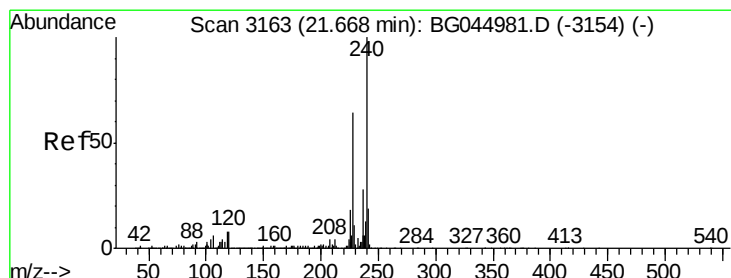
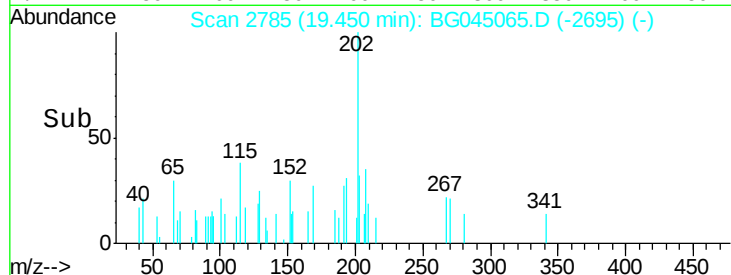
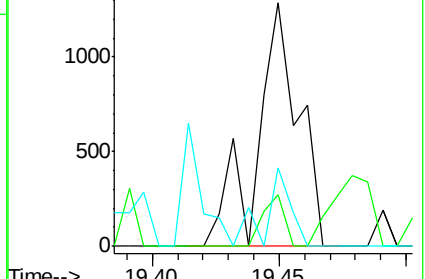
203 32.1 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

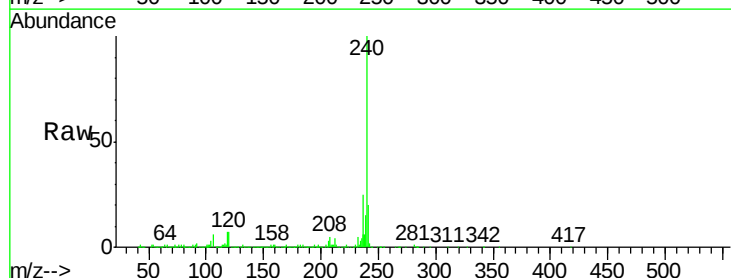
Tgt Ion:240 Resp: 461944

Ion Ratio Lower Upper

240 100

120 6.9 6.6 10.0

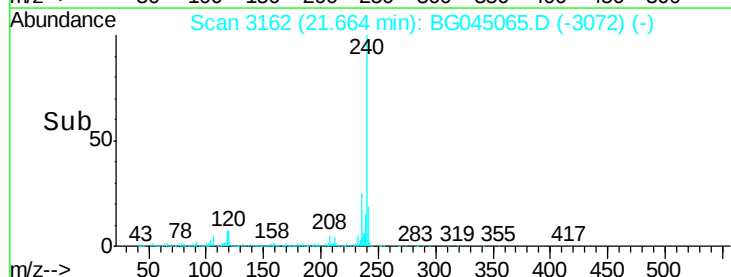
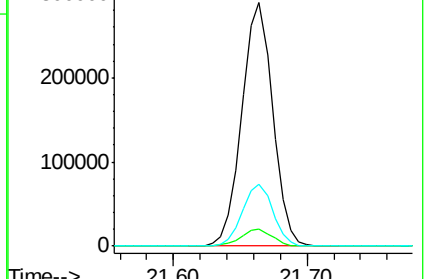
236 25.4 22.2 33.2

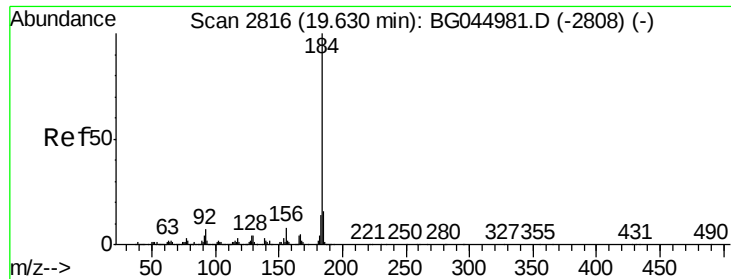


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

Instrument :

BNA_G

ClientSampleId :

BG-9

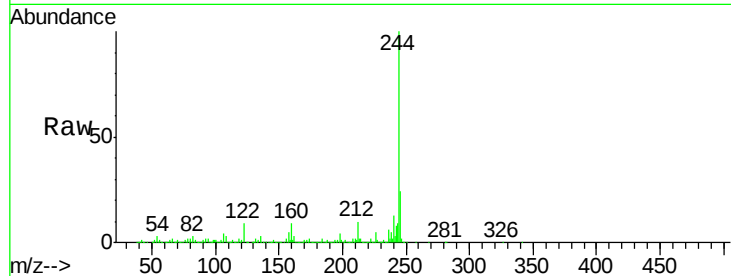
Tot Ion:184 Resp: 43076

Ion Ratio Lower Upper

184 100

185 16.0 12.6 19.0

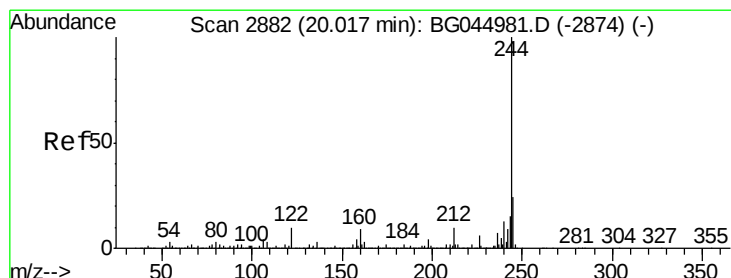
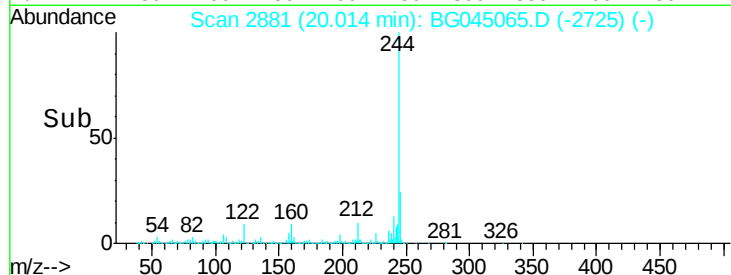
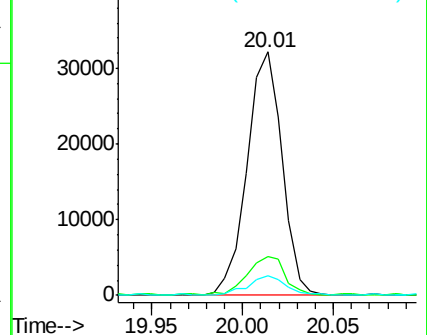
183 7.9 11.3 16.9#



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: 105.517 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045065.D

Acq: 18 Apr 2020 13:44

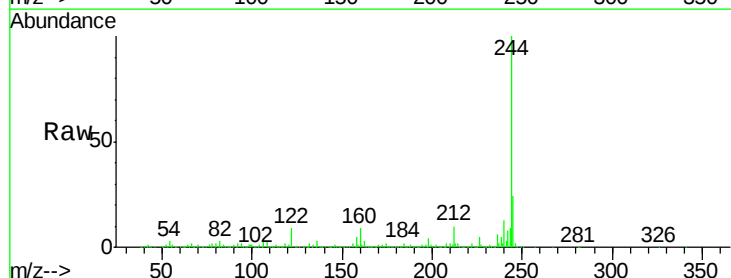
Tgt Ion:244 Resp: 2236363

Ion Ratio Lower Upper

244 100

212 9.9 7.9 11.9

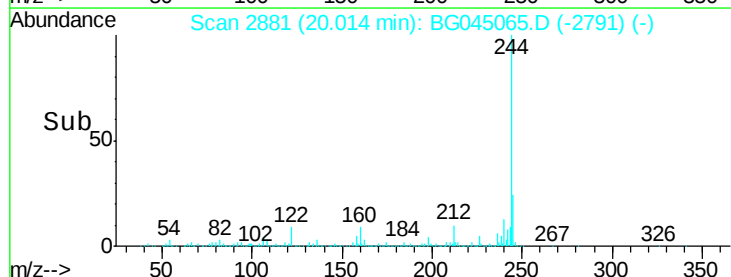
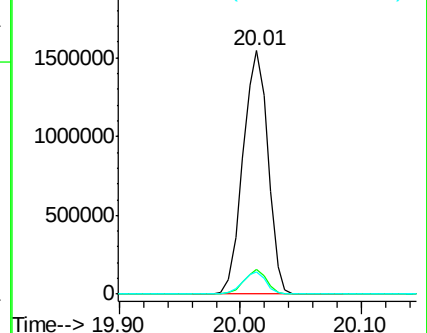
122 8.9 7.7 11.5

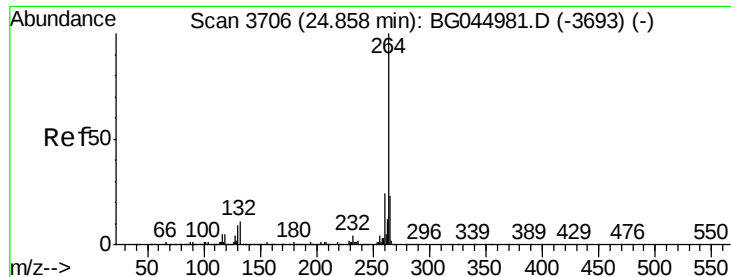


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG045065.D
Acq: 18 Apr 2020 13:44

Instrument :
BNA_G
ClientSampleId :
BG-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	20.4	19.0	28.4

