

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061720\
 Data File : BG045786.D
 Acq On : 17 Jun 2020 11:51
 Operator : CG/JU
 Sample : PB129567BL
 Misc : L
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129567BL

Quant Time: Jun 17 12:28:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	56704	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	227896	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	164031	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	388386	20.00	ng	0.00
76) Chrysene-d12	21.58	240	367789	20.00	ng	0.00
86) Perylene-d12	24.70	264	381552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	395350	117.78	ng	0.00
7) Phenol-d6	7.15	99	566464	110.94	ng	-0.01
23) Nitrobenzene-d5	9.08	82	398883	79.96	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	297063	119.96	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	928482	83.18	ng	0.00
79) Terphenyl-d14	19.94	244	1671800	92.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	54545	16.249	ng	# 82
51) 2,6-Dinitrotoluene	14.57	165	21894	7.586	ng	# 23
54) 2,4-Dinitrophenol	14.20	184	56	9.856	ng	# 17
57) 2,4-Dinitrotoluene	14.57	165	21894	5.294	ng	# 22
67) 4-Bromophenyl-phenylether	16.07	248	20342	4.031	ng	# 1
70) Pentachlorophenol	17.39	266	66	7.656	ng	# 17
77) Benzidine	19.94	184	31288	3.272	ng	# 91

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

```
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Operator  : CG/JU  
Sample    : PB129567BL  
Misc      : L  
ALS Vial  : 4      Sample Multiplier: 1
```

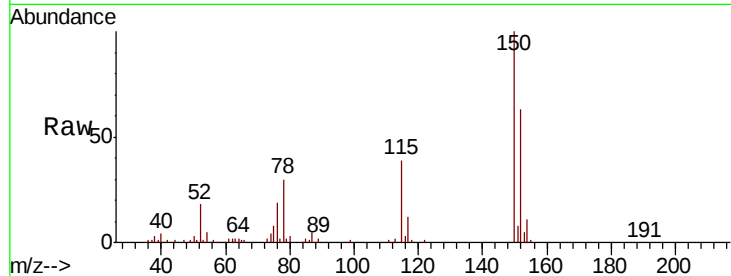


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG045786.D
Acq: 17 Jun 2020 11:51

Instrument :
BNA_G
ClientSampleId :
PB129567BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	113.1	169.7
115	61.6	43.8	65.6

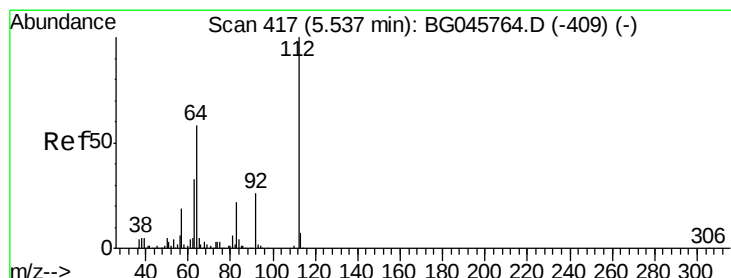
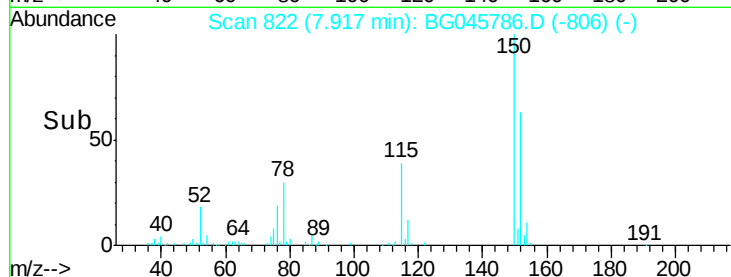
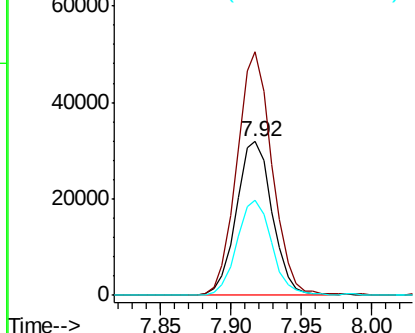


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

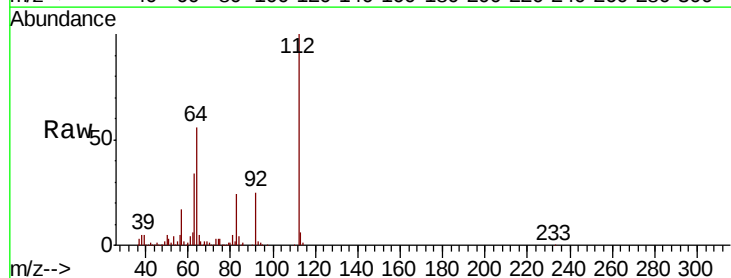
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.776 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG045786.D
Acq: 17 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.6	69.8
63	33.7	26.3	39.5

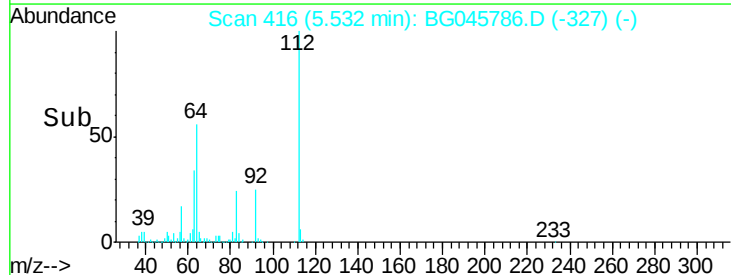
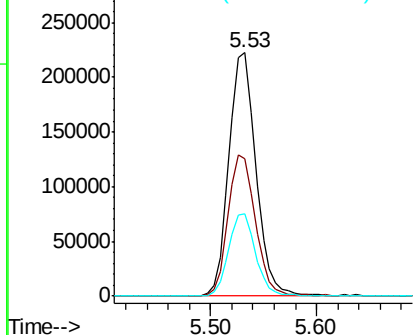


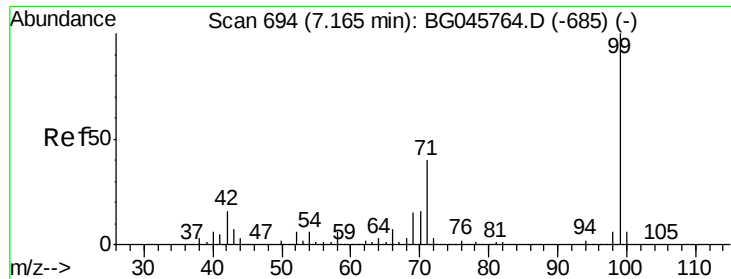
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 110.942 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

Instrument :

BNA_G

ClientSampleId :

PB129567BL

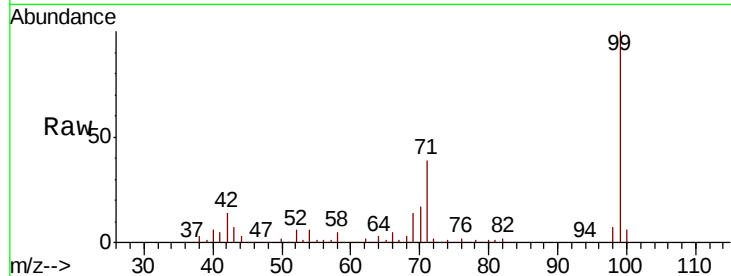
Tot Ion: 99 Resp: 566464

Ion Ratio Lower Upper

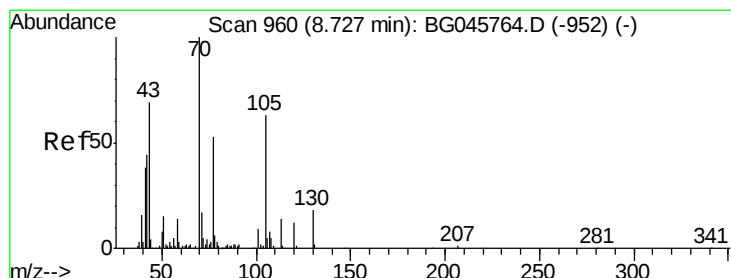
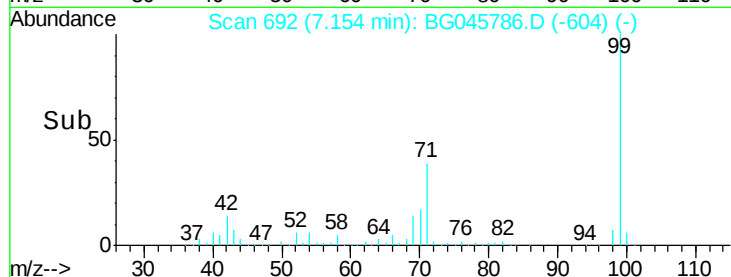
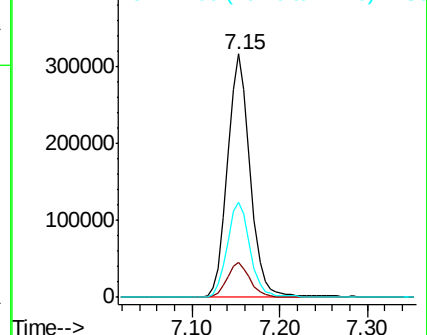
99 100

42 14.4 12.4 18.6

71 39.2 32.1 48.1



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: 16.249 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

Tgt Ion: 70 Resp: 54545

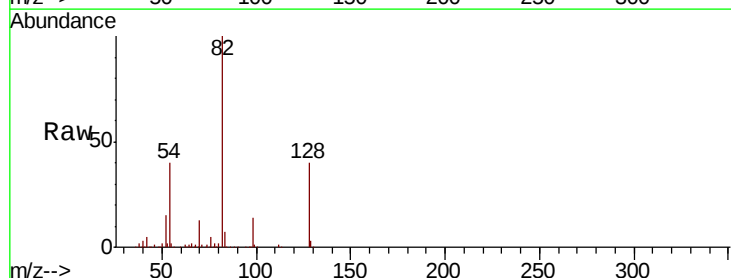
Ion Ratio Lower Upper

70 100

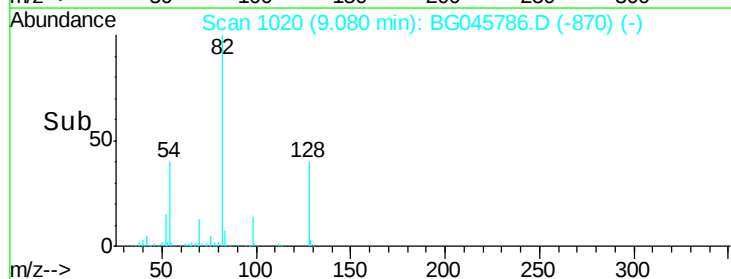
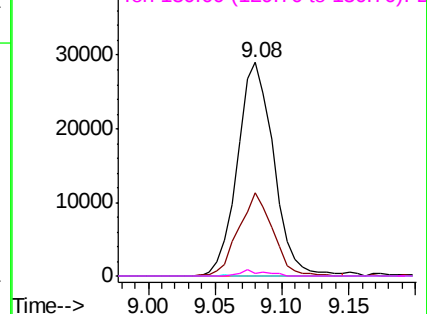
42 38.8 35.1 52.7

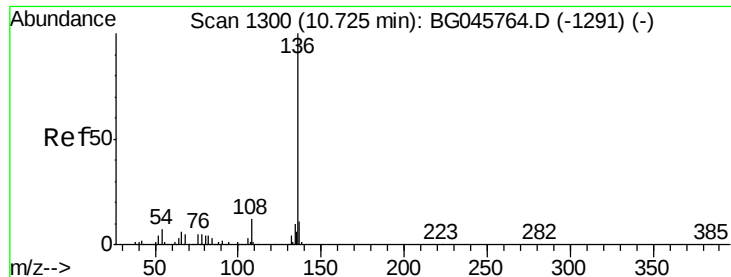
101 0.0 7.4 11.0#

130 1.1 14.6 21.8#



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

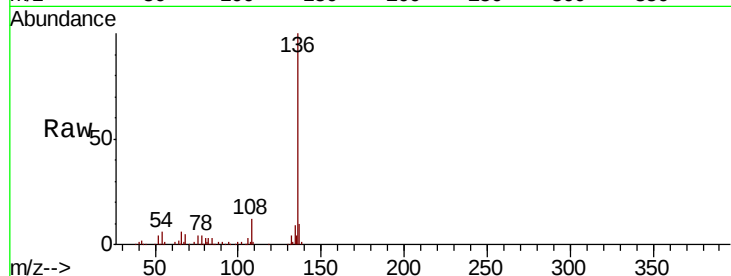




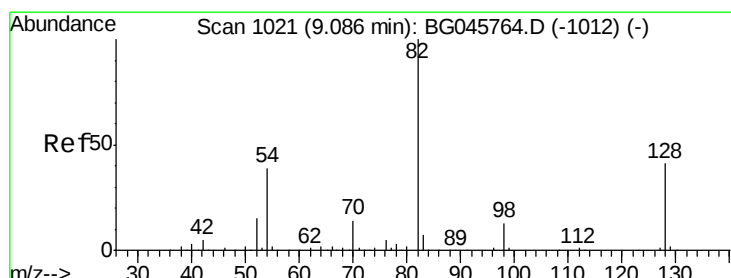
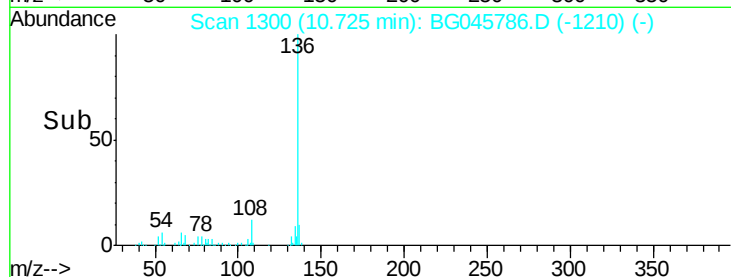
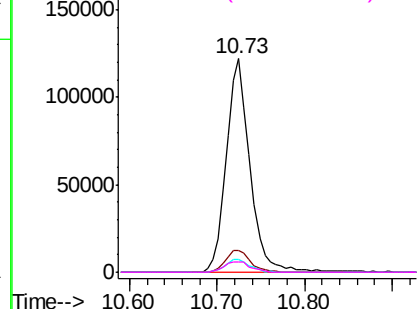
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG045786.D
Acq: 17 Jun 2020 11:51

Instrument :
BNA_G
ClientSampleId :
PB129567BL

Tot Ion:136	Resp:	227896
Ion Ratio	Lower	Upper
136 100		
137 10.0	8.7	13.1
54 5.8	5.8	8.6
68 4.8	4.0	6.0

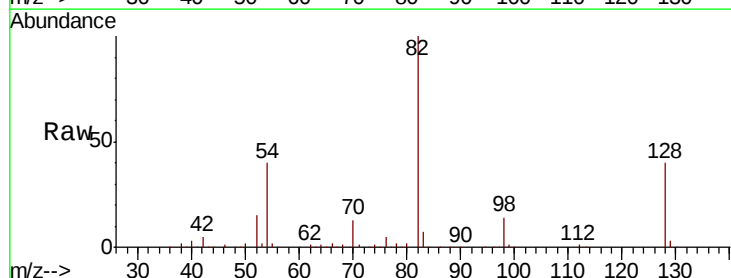


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

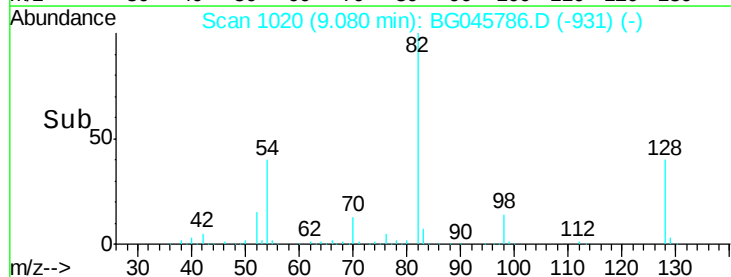
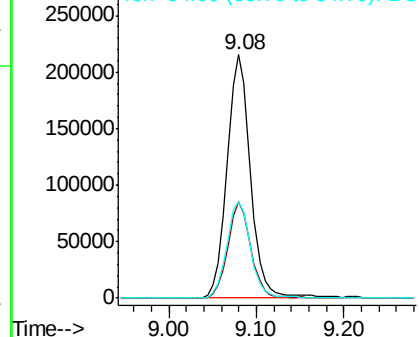


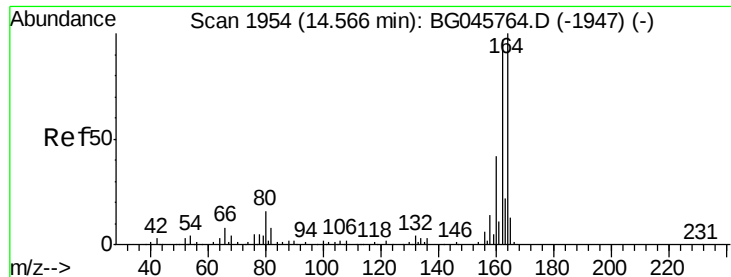
#23
Nitrobenzene-d5
Concen: 79.959 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG045786.D
Acq: 17 Jun 2020 11:51

Tgt Ion: 82	Resp: 398883
Ion Ratio	Lower Upper
82 100	
128 39.7	32.5 48.7
54 39.6	31.2 46.8



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: 14.57 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

Instrument :

BNA_G

ClientSampleId :

PB129567BL

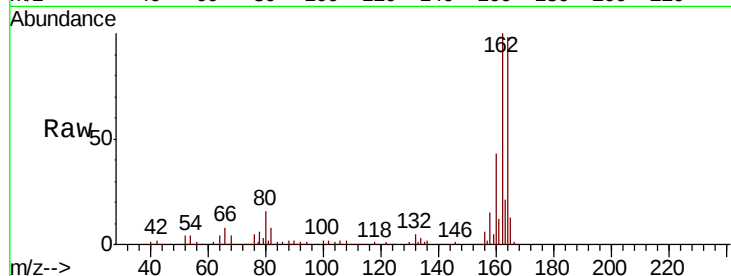
Tot Ion:164 Resp: 164031

Ion Ratio Lower Upper

164 100

162 102.1 77.4 116.0

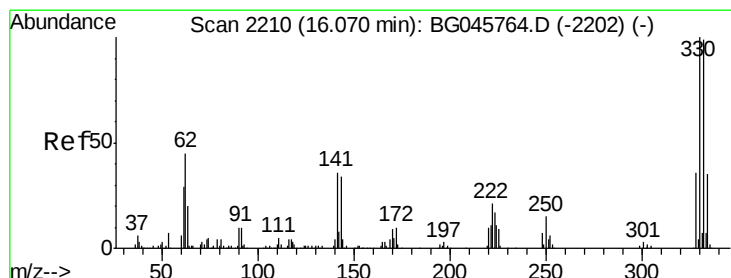
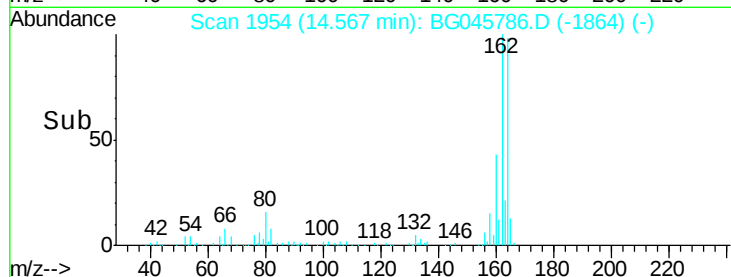
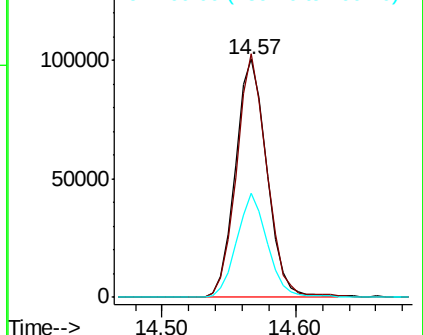
160 43.4 33.3 49.9



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: 119.956 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

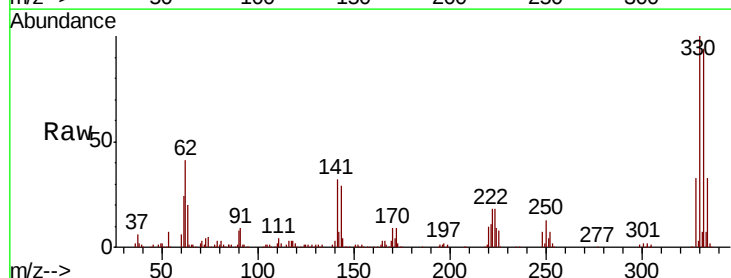
Tgt Ion:330 Resp: 297063

Ion Ratio Lower Upper

330 100

332 97.0 78.6 117.8

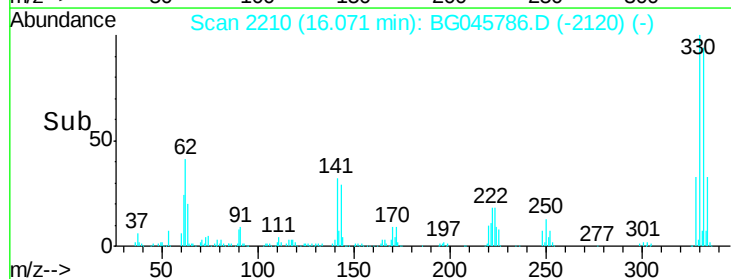
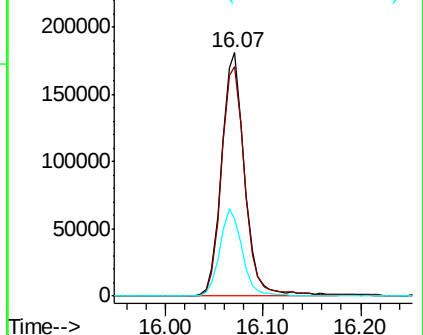
141 35.1 28.2 42.4

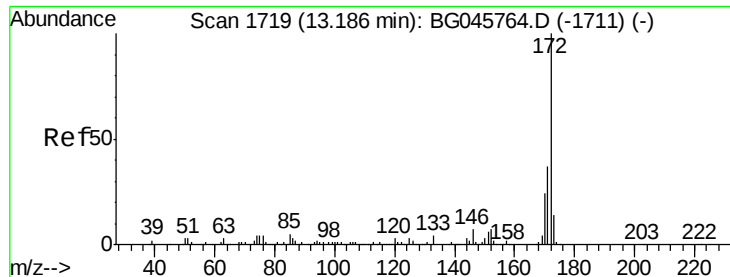


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

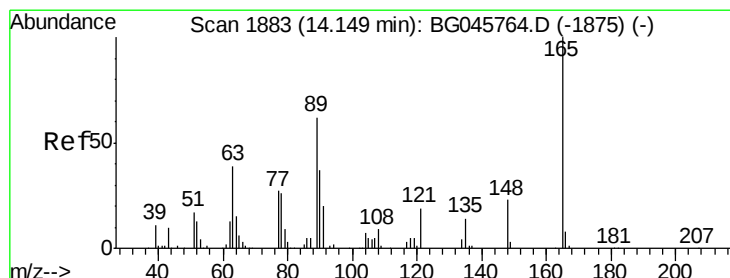
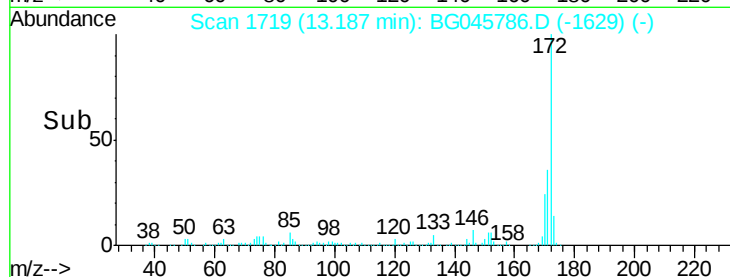
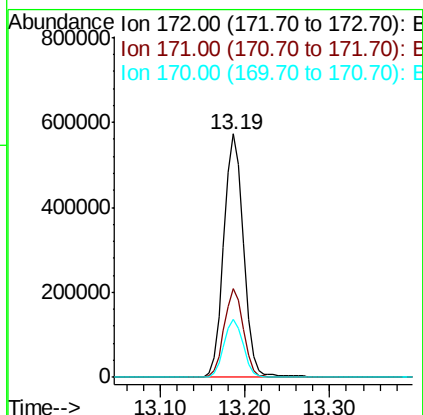
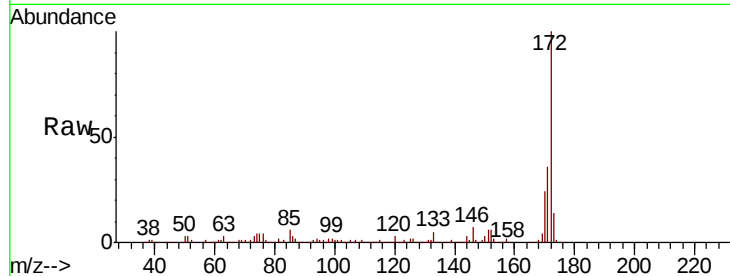




#45
 2-Fluorobiphenyl
 Concen: 83.183 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG045786.D
 Acq: 17 Jun 2020 11:51

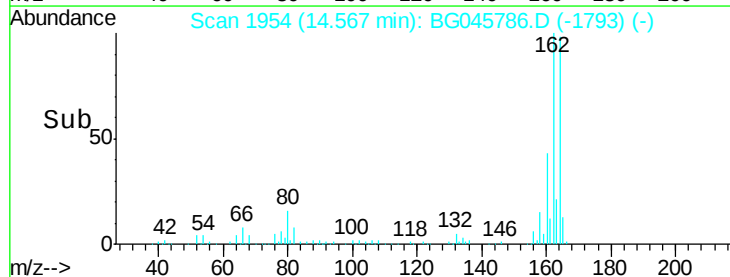
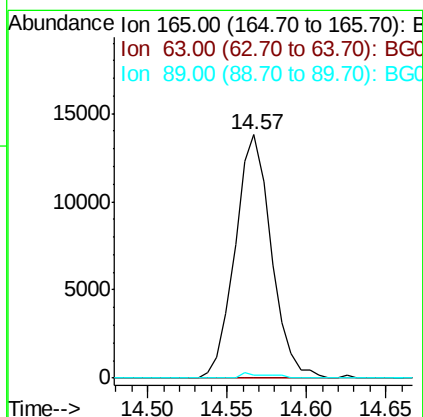
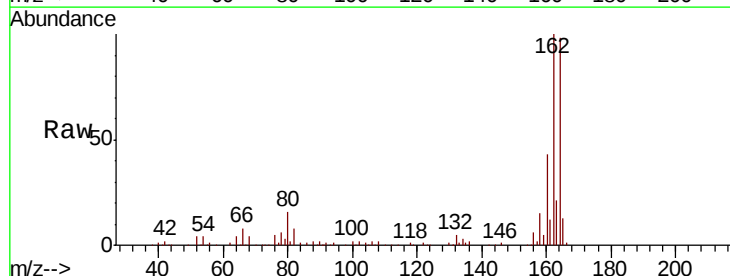
Instrument :
 BNA_G
 ClientSampleId :
 PB129567BL

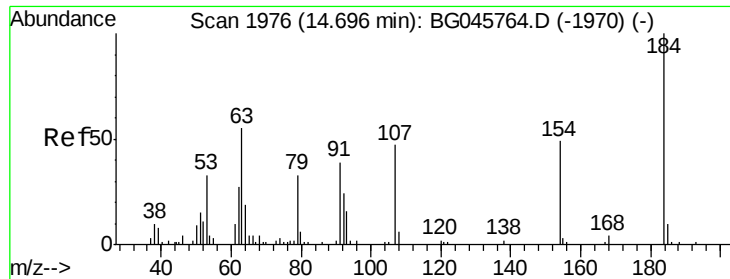
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	23.7	19.3	28.9



#51
 2,6-Dinitrotoluene
 Concen: 7.586 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.42 min
 Lab File: BG045786.D
 Acq: 17 Jun 2020 11:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.2	61.8#
89	1.1	49.7	74.5#

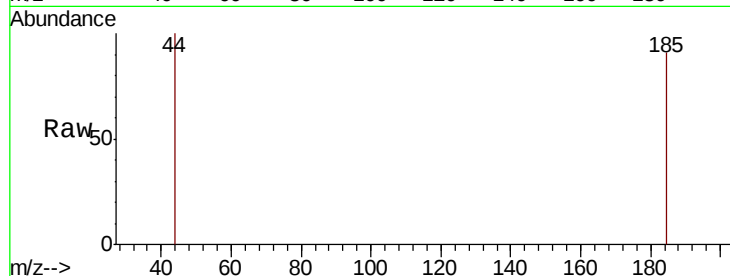




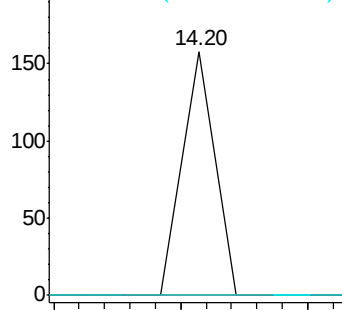
#54
 2,4-Dinitrophenol
 Concen: 9.856 ng
 RT: 14.20 min Scan# 1892
 Delta R.T. -0.49 min
 Lab File: BG045786.D
 Acq: 17 Jun 2020 11:51

Instrument :
 BNA_G
 ClientSampleId :
 PB129567BL

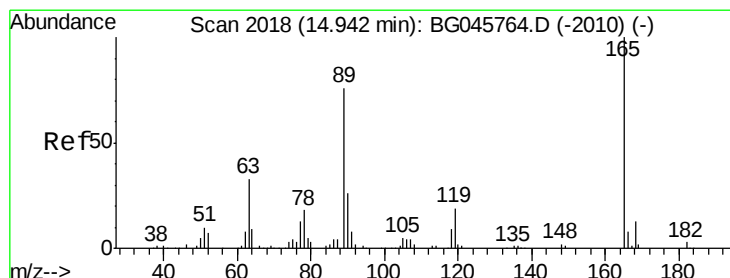
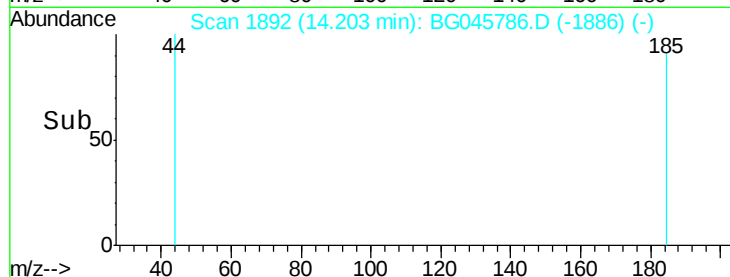
Tot Ion:184 Resp: 56
 Ion Ratio Lower Upper
 184 100
 63 0.0 46.6 70.0#
 154 0.0 58.6 87.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

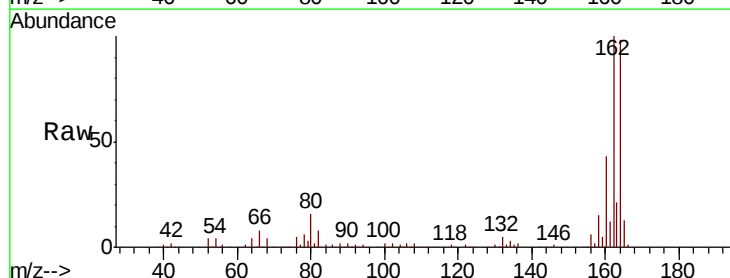


Time--> 14.18 14.20 14.22

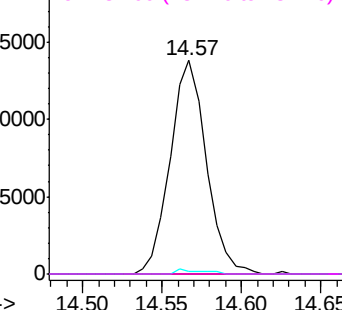


#57
 2,4-Dinitrotoluene
 Concen: 5.294 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG045786.D
 Acq: 17 Jun 2020 11:51

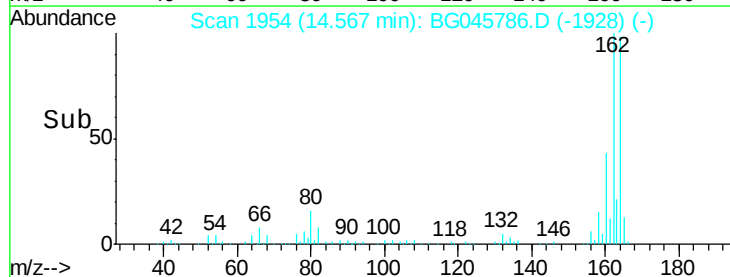
Tgt Ion:165 Resp: 21894
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.8 50.8#
 89 1.1 60.4 90.6#
 182 0.0 2.6 3.8#

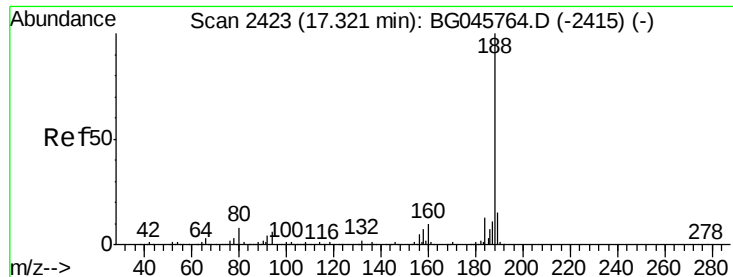


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E



Time--> 14.50 14.55 14.60 14.65





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

Instrument :

BNA_G

ClientSampleId :

PB129567BL

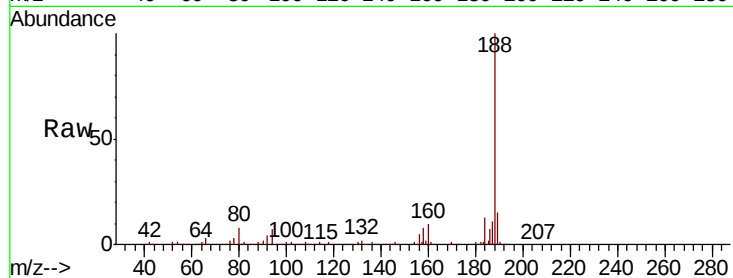
Tot Ion:188 Resp: 388386

Ion Ratio Lower Upper

188 100

94 6.6 5.1 7.7

80 7.6 6.2 9.4



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

300000

250000

200000

150000

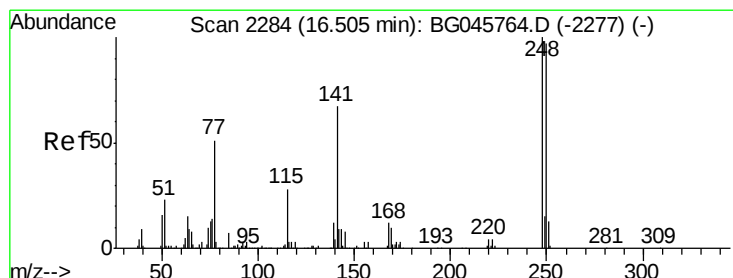
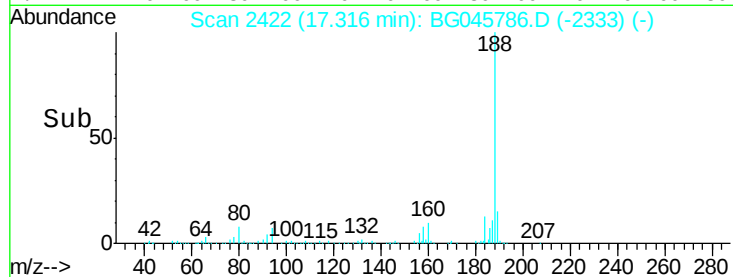
100000

50000

0

17.30 17.40

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.031 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.43 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

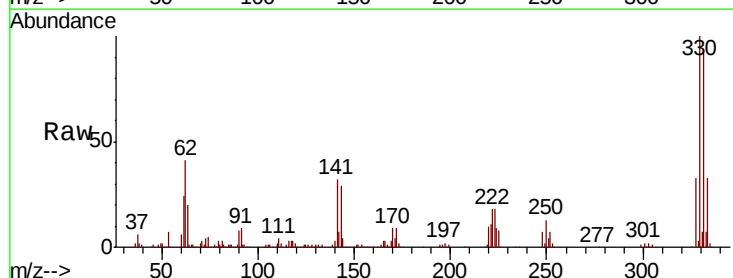
Tgt Ion:248 Resp: 20342

Ion Ratio Lower Upper

248 100

250 181.2 78.0 117.0#

141 433.6 53.9 80.9#



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

80000

60000

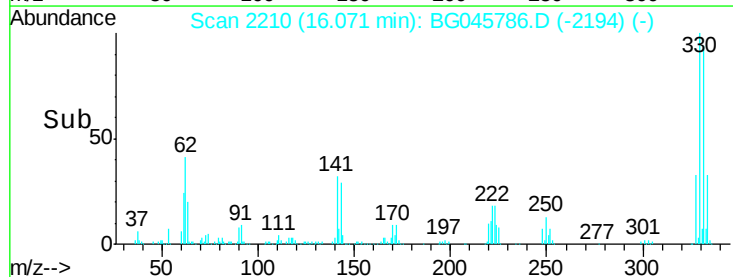
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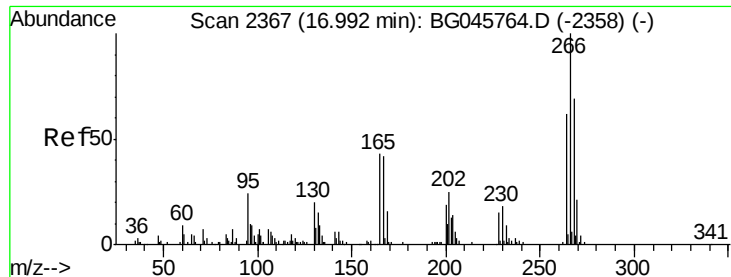
20000

0

16.00 16.05 16.10 16.15

Time-->





#70

Pentachlorophenol

Concen: 7.656 ng

RT: 17.39 min Scan# 2434

Delta R.T. 0.39 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

Instrument :

BNA_G

ClientSampleId :

PB129567BL

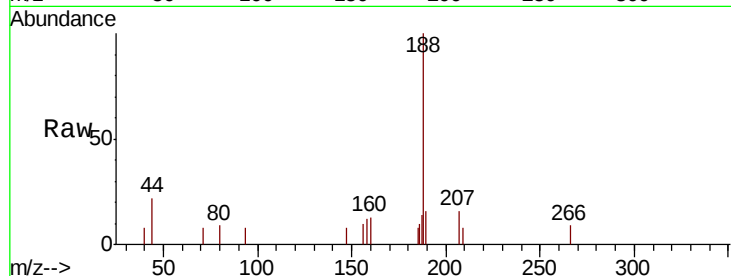
Tot Ion:266 Resp: 66

Ion Ratio Lower Upper

266 100

268 0.0 55.4 83.0#

264 0.0 49.8 74.6#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

250

200

150

100

50

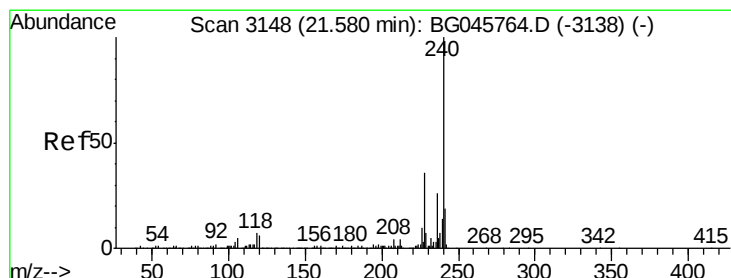
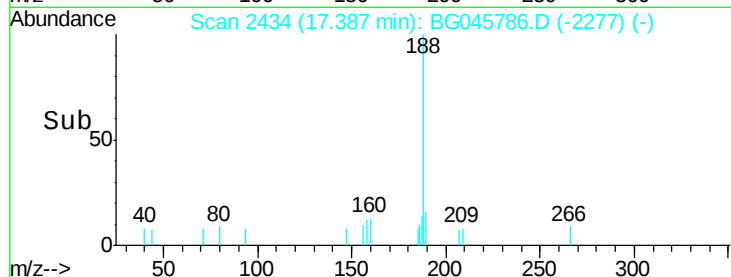
0

17.38

17.39

17.40

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

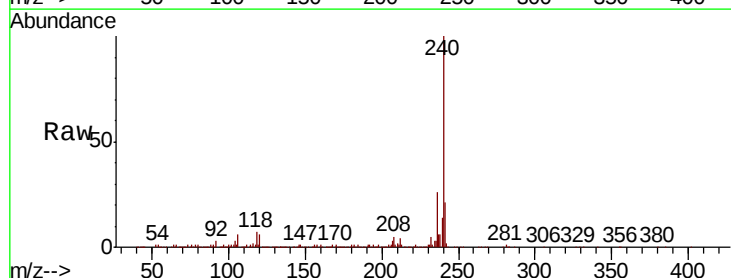
Tgt Ion:240 Resp: 367789

Ion Ratio Lower Upper

240 100

120 6.3 5.0 7.4

236 25.7 20.6 30.8



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

250000

200000

150000

100000

50000

0

21.58

21.59

21.60

21.61

21.62

21.63

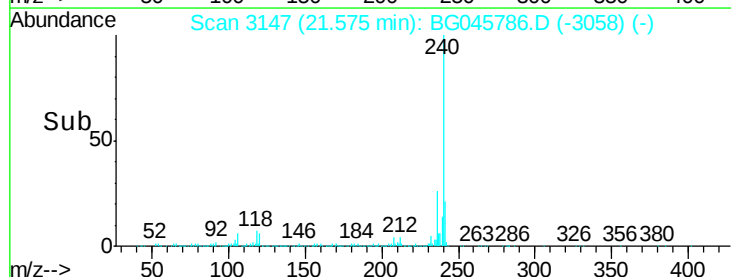
21.64

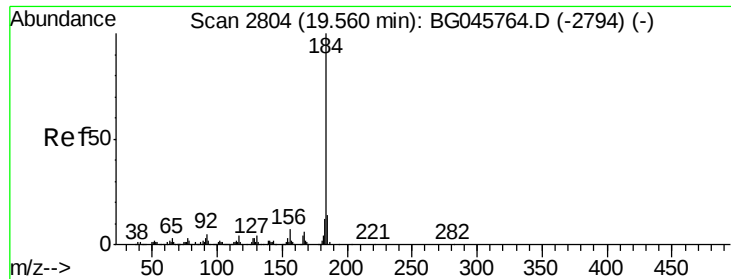
21.65

21.66

21.67

Time-->





#77

Benzidine

Concen: 3.272 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

Instrument :

BNA_G

ClientSampleId :

PB129567BL

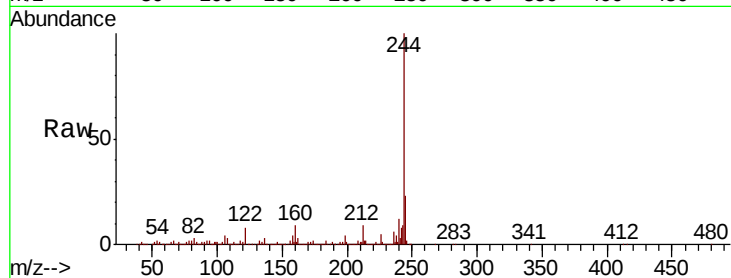
Tot Ion:184 Resp: 31288

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

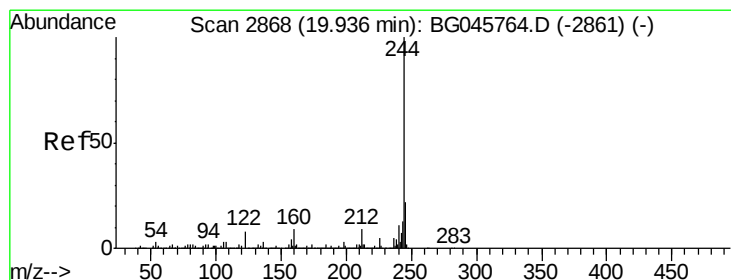
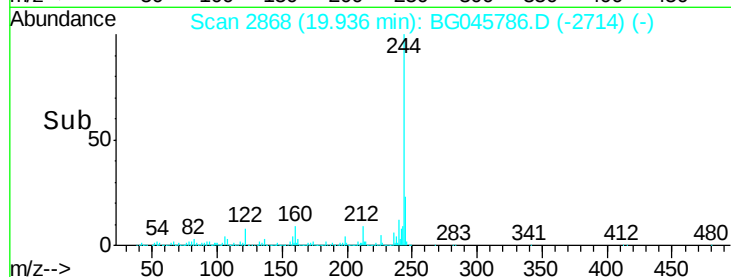
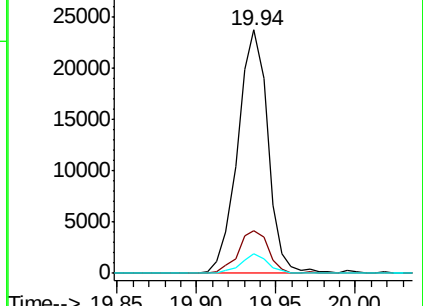
183 8.1 9.7 14.5#



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: 92.120 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045786.D

Acq: 17 Jun 2020 11:51

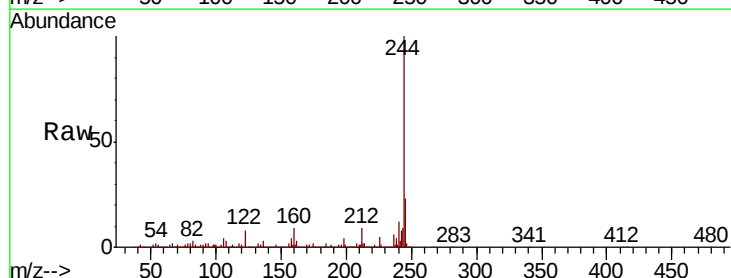
Tgt Ion:244 Resp: 1671800

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

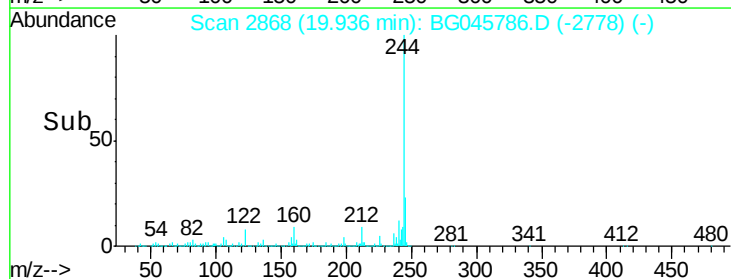
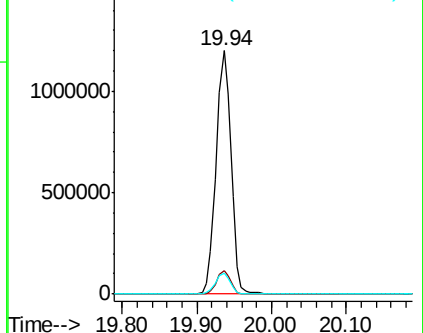
122 8.5 6.4 9.6

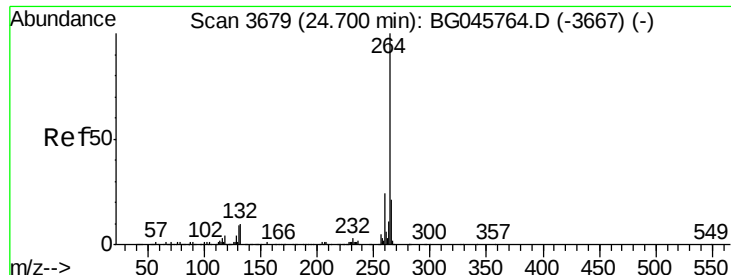


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3679
Delta R.T. 0.00 min
Lab File: BG045786.D
Acq: 17 Jun 2020 11:51

Instrument :
BNA_G
ClientSampleId :
PB129567BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	23.7	17.4	26.0

