

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062420\
 Data File : BG045845.D
 Acq On : 24 Jun 2020 13:49
 Operator : CG/JU
 Sample : L3076-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

Quant Time: Jun 24 15:30:37 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	57305	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	196319	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	149229	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	315102	20.00	ng	0.00
76) Chrysene-d12	21.58	240	311203	20.00	ng	0.00
86) Perylene-d12	24.70	264	342420	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	98859	29.14	ng	0.00
7) Phenol-d6	7.21	99	88463	17.14	ng	0.05
23) Nitrobenzene-d5	9.09	82	357784	83.26	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	129394	57.43	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	758345	74.68	ng	0.00
79) Terphenyl-d14	19.94	244	1124453	73.23	ng	0.00

Target Compounds

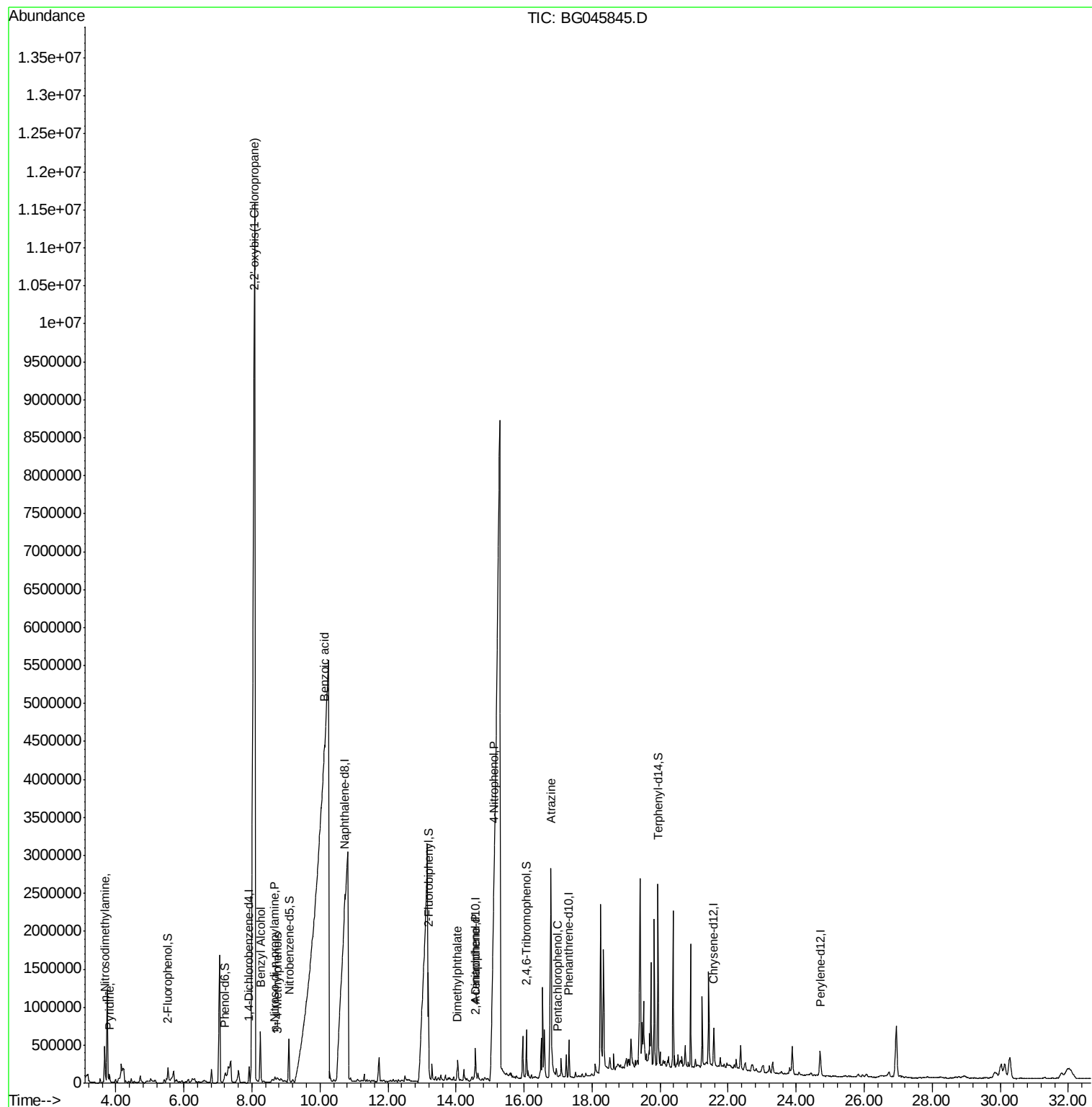
						Qvalue
3) Pyridine	3.81	79	38721	8.410	ng	# 1
4) n-Nitrosodimethylamine	3.67	42	21834	14.128	ng	# 1
15) Benzyl Alcohol	8.25	79	11766	2.947	ng	# 62
16) 2,2'-oxybis(1-Chloropropan	8.08	45	265539	74.191	ng	# 86
19) n-Nitroso-di-n-propylamine	8.67	70	8562	2.524	ng	# 73
20) 3+4-Methylphenols	8.74	107	12547	2.564	ng	# 74
32) Benzoic acid	10.13	122	143	9.039	ng	# 1
50) Dimethylphthalate	14.03	163	97541	8.344	ng	# 98
54) 2,4-Dinitrophenol	14.59	184	79	9.873	ng	# 4
56) 4-Nitrophenol	15.11	139	10030	9.046	ng	# 86
69) Atrazine	16.79	200	8705	2.514	ng	# 44
70) Pentachlorophenol	16.99	266	357	7.787	ng	# 30

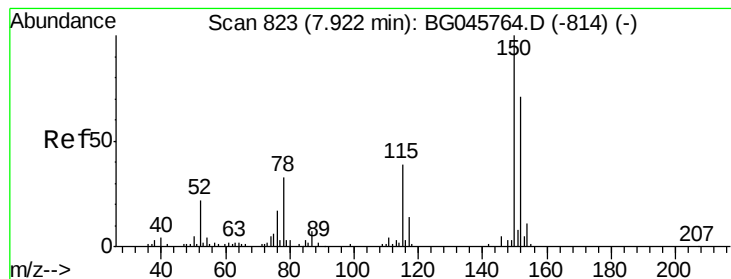
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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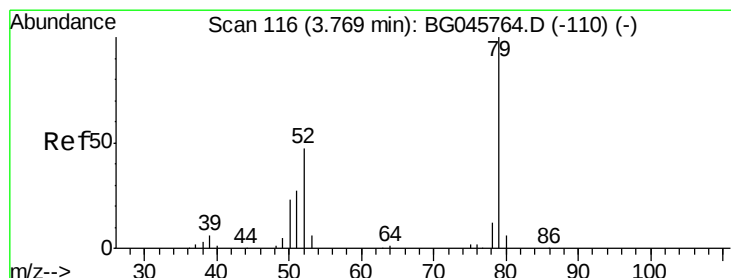
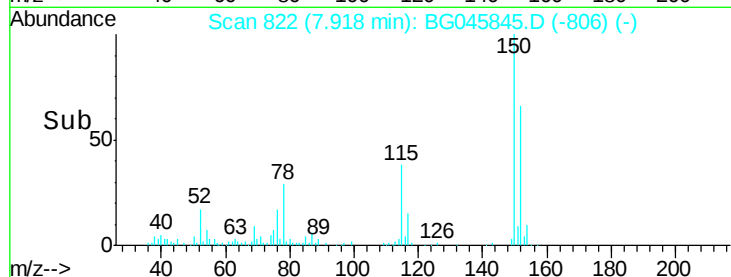
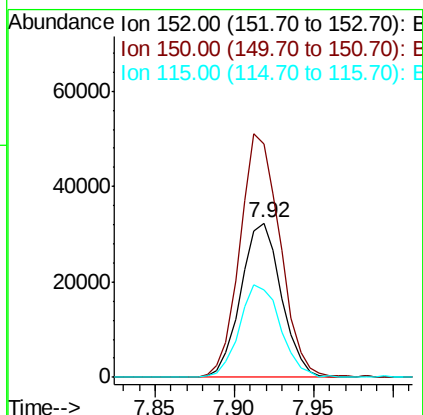
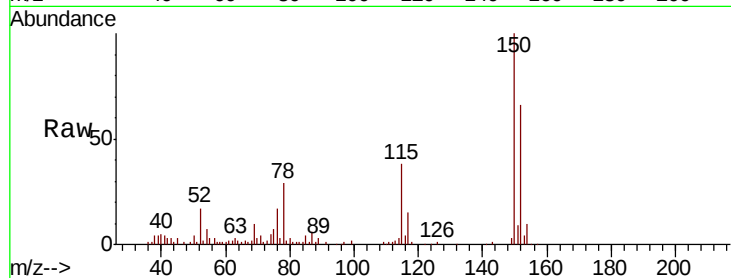


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG045845.D
Acq: 24 Jun 2020 13:49

Instrument :
BNA_G
ClientSampleId :
EFF-WW

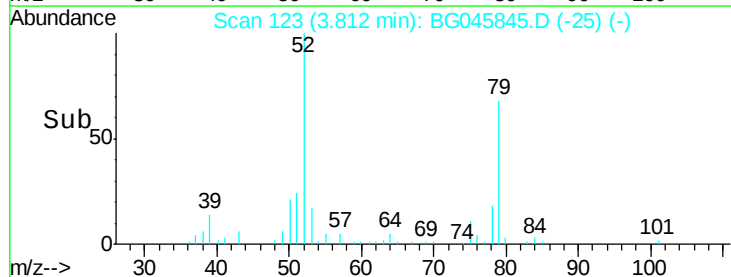
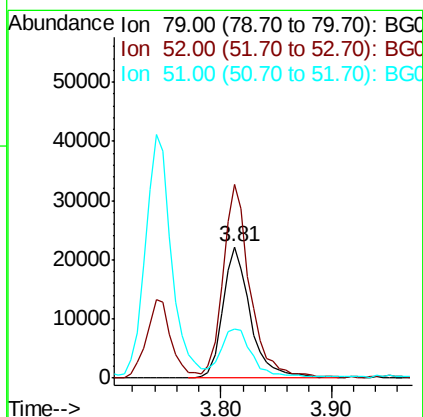
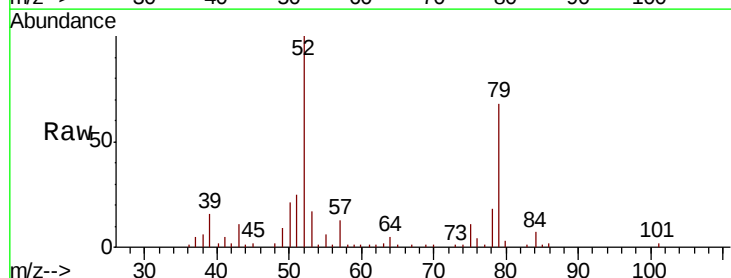
Tot Ion:152 Resp: 57305
Ion Ratio Lower Upper
152 100
150 151.6 113.1 169.7
115 56.9 43.8 65.6

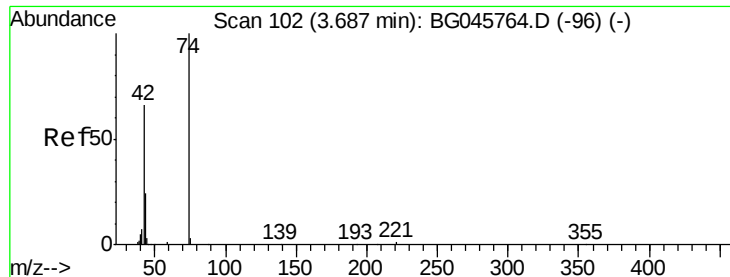


#3

Pyridine
Concen: 8.410 ng
RT: 3.81 min Scan# 123
Delta R.T. 0.04 min
Lab File: BG045845.D
Acq: 24 Jun 2020 13:49

Tgt Ion: 79 Resp: 38721
Ion Ratio Lower Upper
79 100
52 147.6 37.9 56.9#
51 37.0 22.0 33.0#





#4

n-Nitrosodimethylamine

Concen: 14.128 ng

RT: 3.67 min Scan# 99

Delta R.T. -0.02 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

Instrument :

BNA_G

ClientSampleId :

EFF-WW

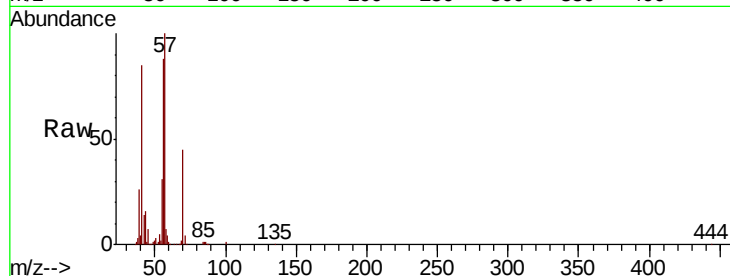
Tot Ion: 42 Resp: 21834

Ion Ratio Lower Upper

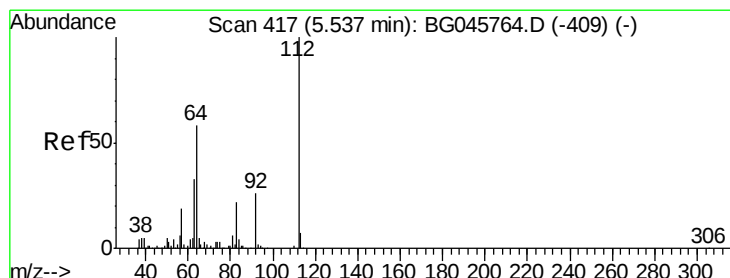
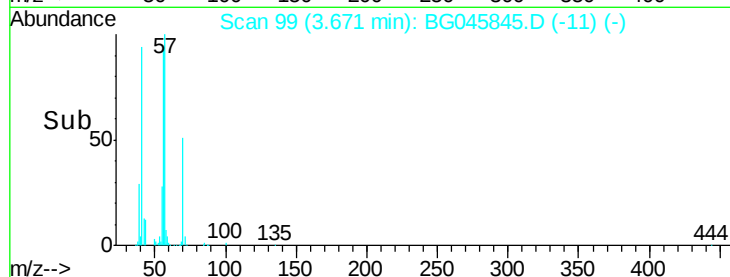
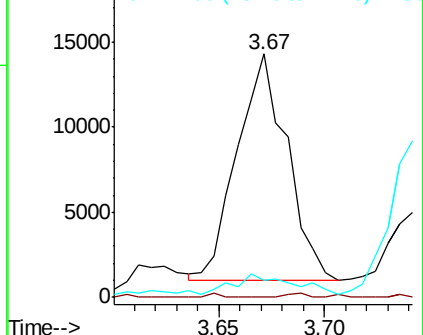
42 100

74 0.0 121.0 181.4#

44 6.9 3.5 5.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 29.142 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.00 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

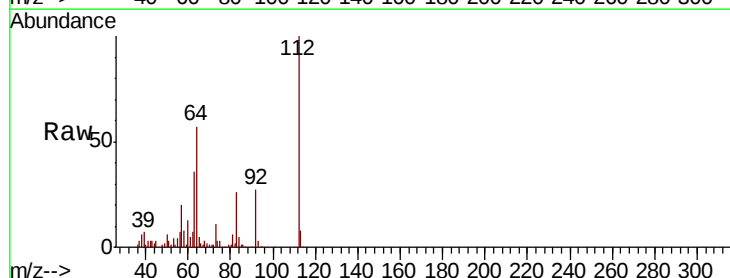
Tgt Ion: 112 Resp: 98859

Ion Ratio Lower Upper

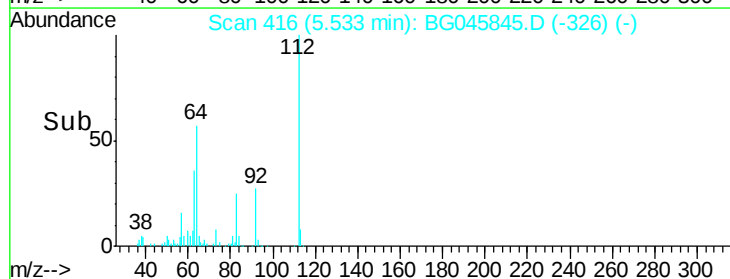
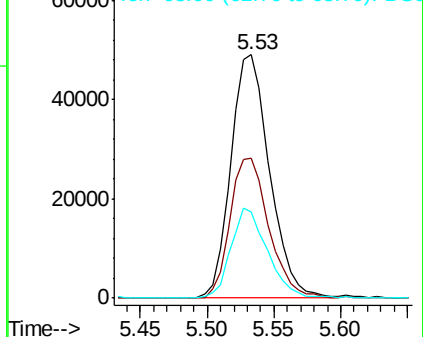
112 100

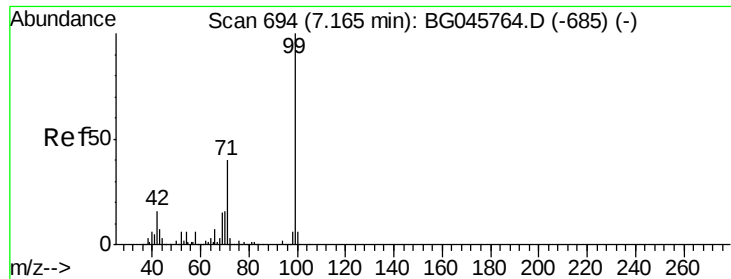
64 57.2 46.6 69.8

63 35.6 26.3 39.5



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 17.144 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.05 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

Instrument :

BNA_G

ClientSampleId :

EFF-WW

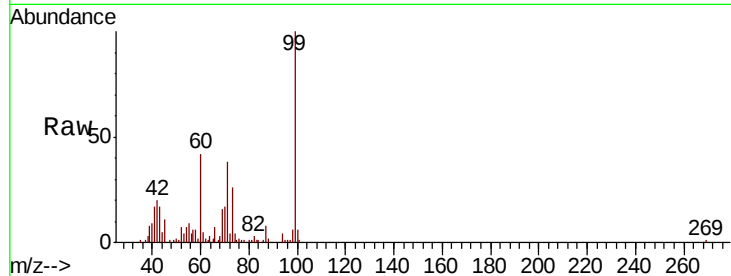
Tot Ion: 99 Resp: 88463

Ion Ratio Lower Upper

99 100

42 19.8 12.4 18.6#

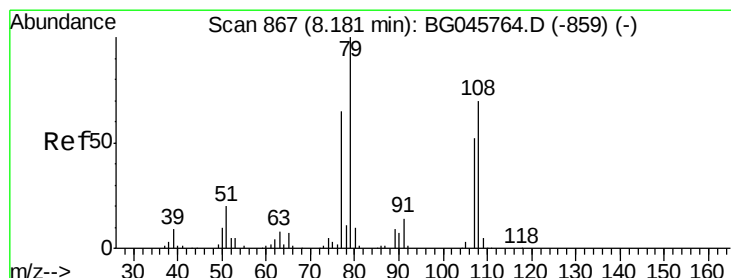
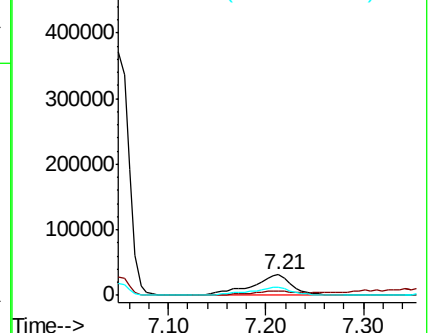
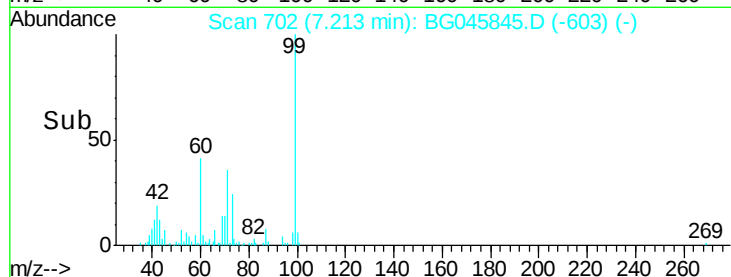
71 37.9 32.1 48.1



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



#15

Benzyl Alcohol

Concen: 2.947 ng

RT: 8.25 min Scan# 878

Delta R.T. 0.07 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

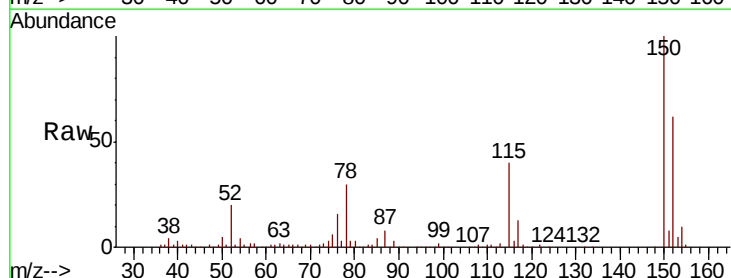
Tgt Ion: 79 Resp: 11766

Ion Ratio Lower Upper

79 100

108 41.9 56.2 84.4#

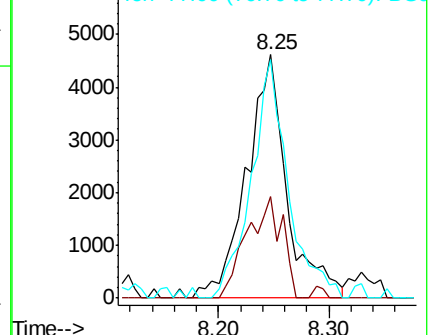
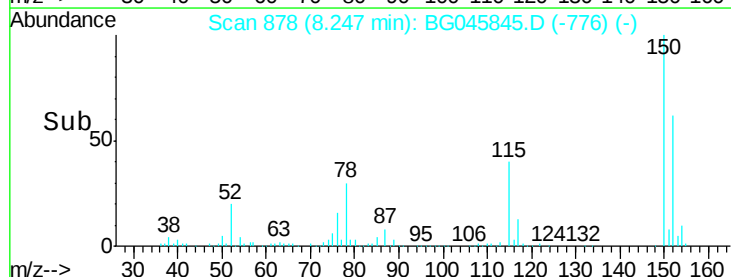
77 98.0 52.2 78.2#

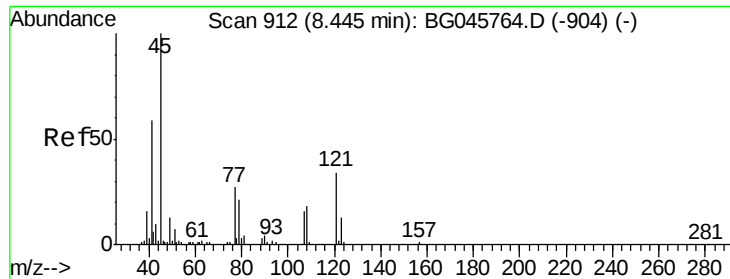


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

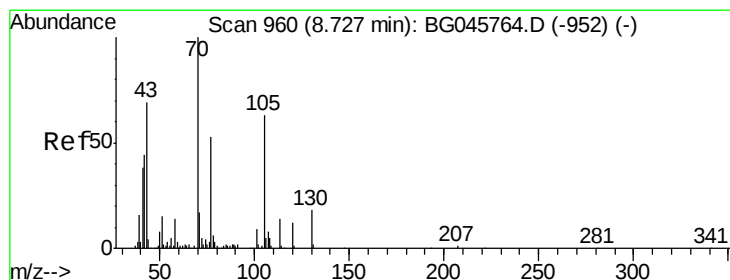
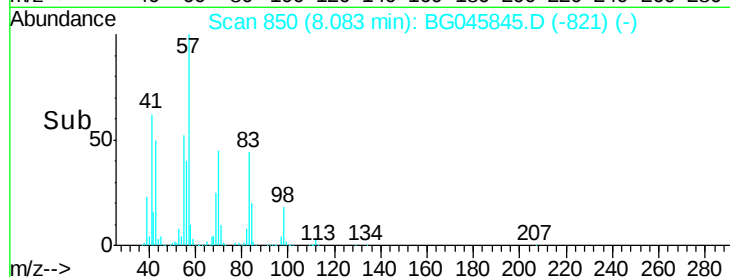
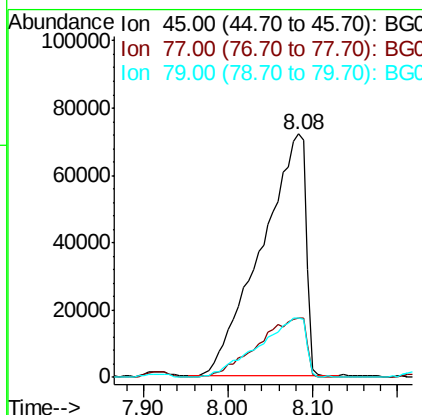
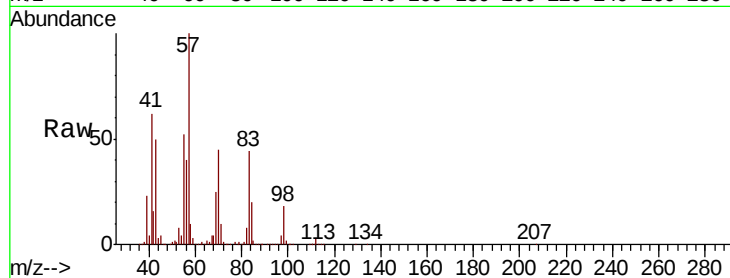




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 74.191 ng
 RT: 8.08 min Scan# 850
 Delta R.T. -0.36 min
 Lab File: BG045845.D
 Acq: 24 Jun 2020 13:49

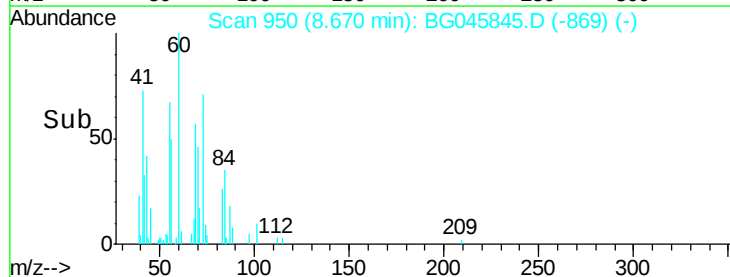
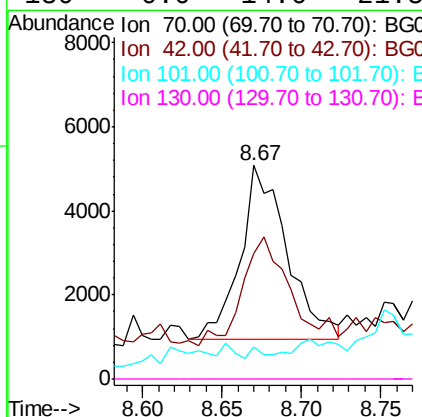
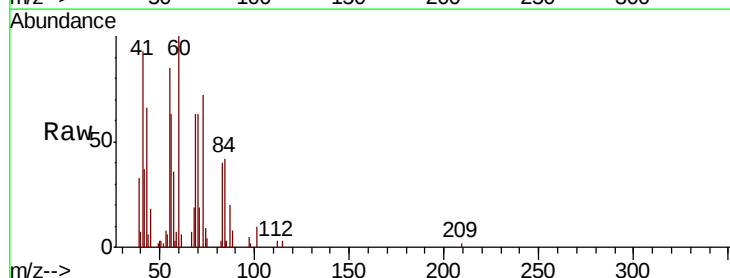
Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

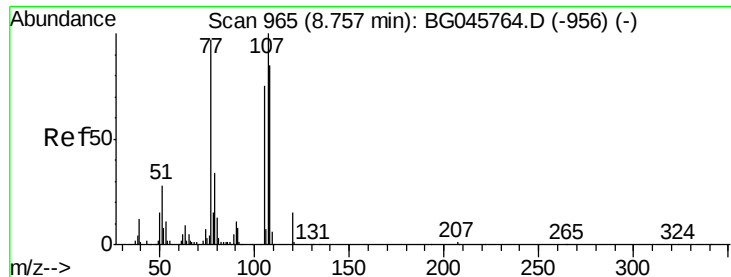
Tot Ion: 45 Resp: 265539
 Ion Ratio Lower Upper
 45 100
 77 24.1 14.9 54.9
 79 24.3 9.2 49.2



#19
 n-Nitroso-di-n-propylamine
 Concen: 2.524 ng
 RT: 8.67 min Scan# 950
 Delta R.T. -0.06 min
 Lab File: BG045845.D
 Acq: 24 Jun 2020 13:49

Tgt Ion: 70 Resp: 8562
 Ion Ratio Lower Upper
 70 100
 42 58.9 35.1 52.7#
 101 15.1 7.4 11.0#
 130 0.0 14.6 21.8#





#20

3+4-Methylphenols

Concen: 2.564 ng

RT: 8.74 min Scan# 962

Delta R.T. -0.02 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

Instrument :

BNA_G

ClientSampleId :

EFF-WW

Tot Ion:107 Resp: 12547

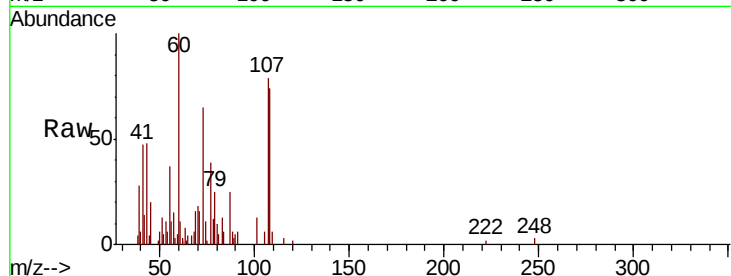
Ion Ratio Lower Upper

107 100

108 94.2 65.4 105.4

77 49.8 77.2 117.2#

79 32.1 14.2 54.2

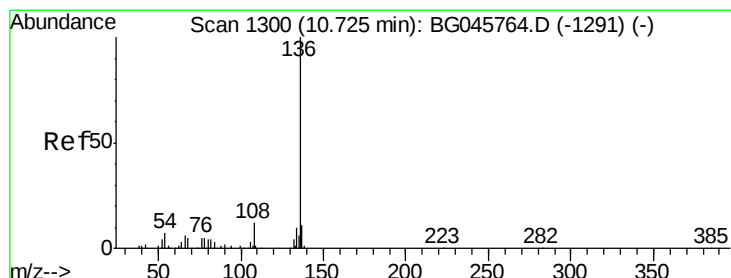
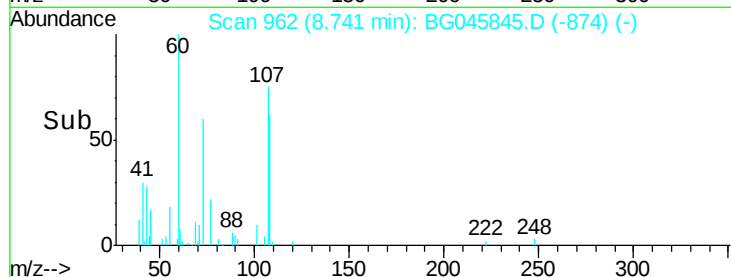
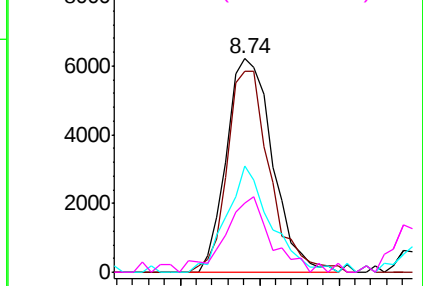


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

Tgt Ion:136 Resp: 196319

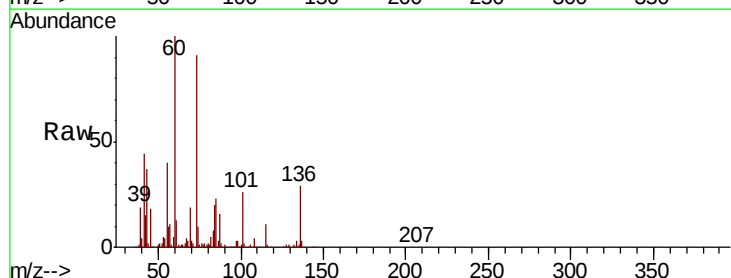
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 14.5 5.8 8.6#

68 10.9 4.0 6.0#

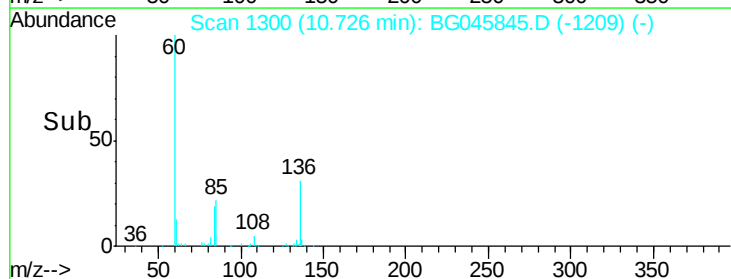
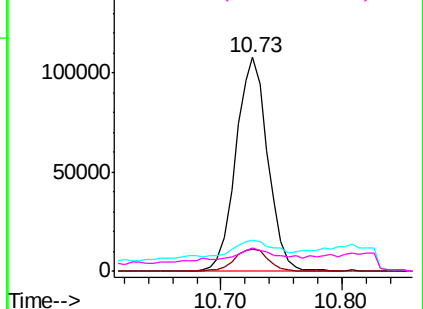


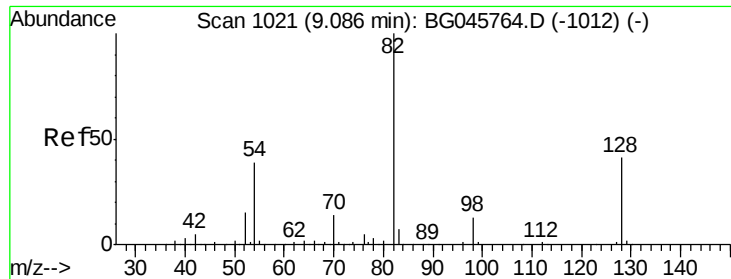
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG

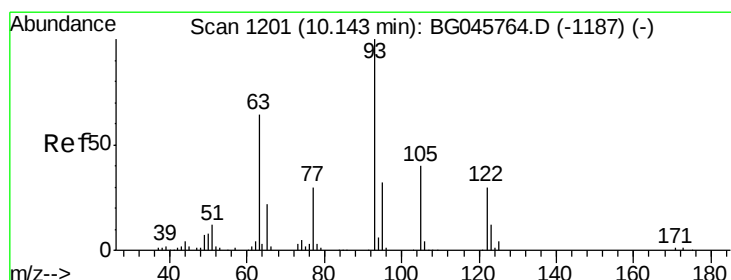
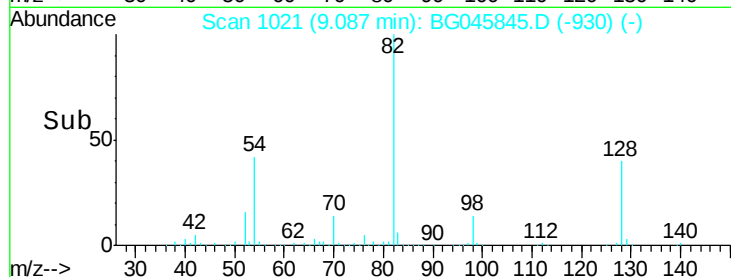
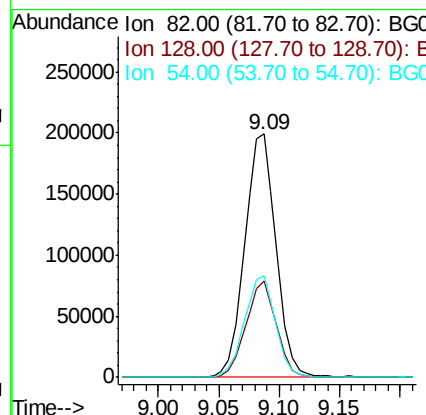
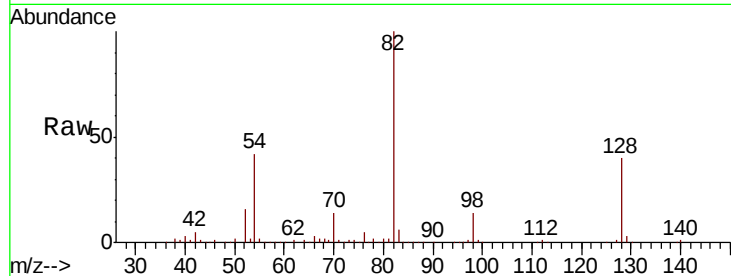




#23
 Nitrobenzene-d5
 Concen: 83.256 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG045845.D
 Acq: 24 Jun 2020 13:49

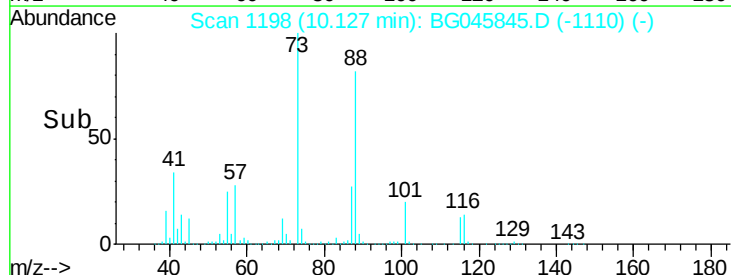
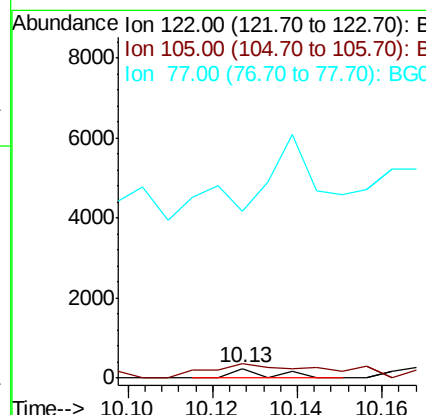
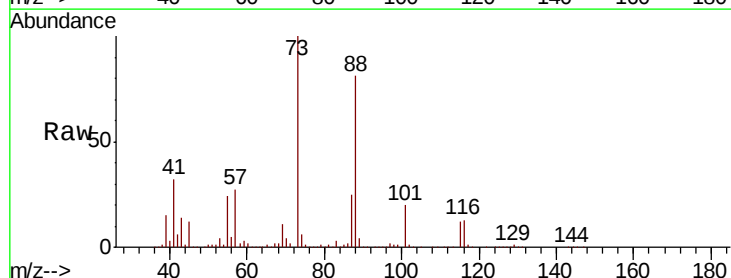
Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

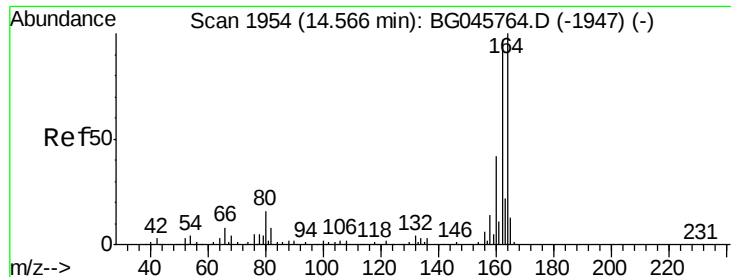
Tot Ion:	82	Resp:	357784
Ion	Ratio	Lower	Upper
82	100		
128	39.6	32.5	48.7
54	41.9	31.2	46.8



#32
 Benzoic acid
 Concen: 9.039 ng
 RT: 10.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BG045845.D
 Acq: 24 Jun 2020 13:49

Tgt Ion:	122	Resp:	143
Ion	Ratio	Lower	Upper
122	100		
105	160.4	112.9	152.9#
77	1771.1	79.2	119.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

Instrument :

BNA_G

ClientSampleId :

EFF-WW

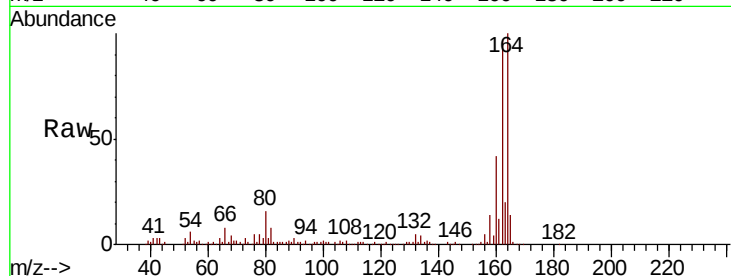
Tot Ion:164 Resp: 149229

Ion Ratio Lower Upper

164 100

162 97.1 77.4 116.0

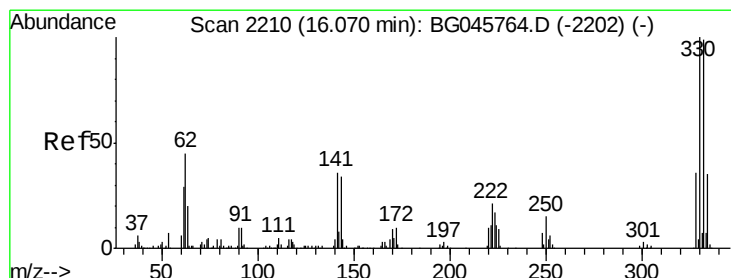
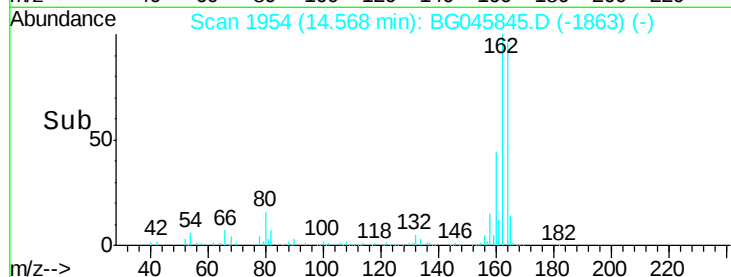
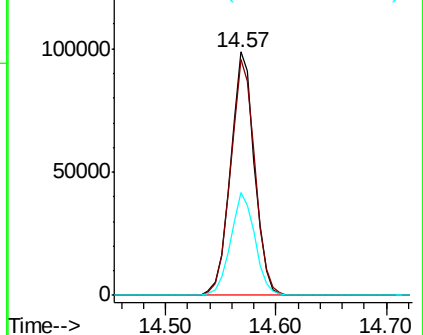
160 42.4 33.3 49.9



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: 57.433 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

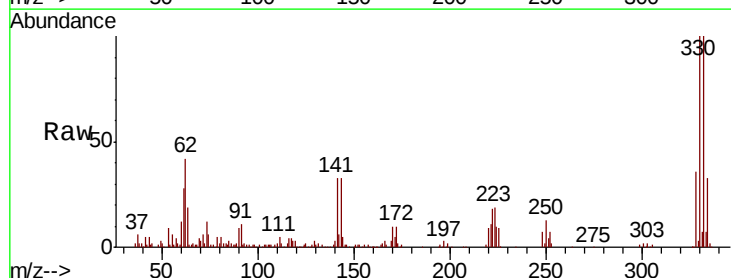
Tgt Ion:330 Resp: 129394

Ion Ratio Lower Upper

330 100

332 97.7 78.6 117.8

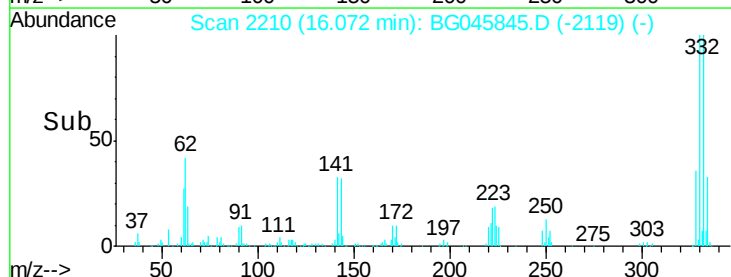
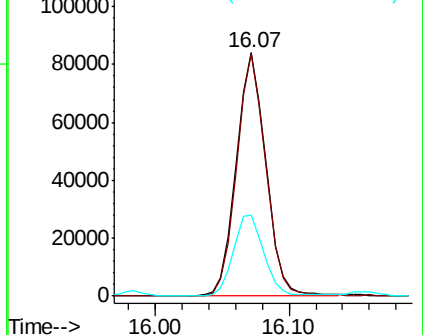
141 34.5 28.2 42.4

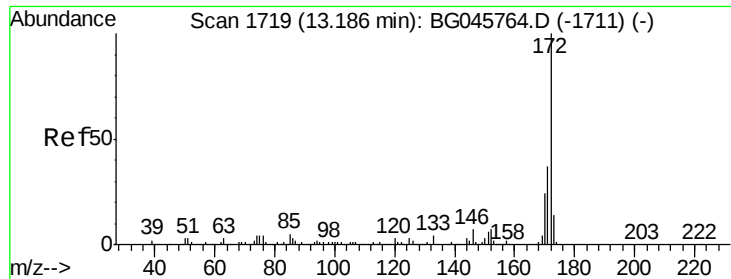


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

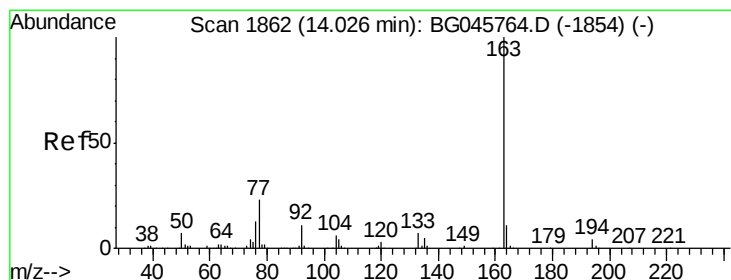
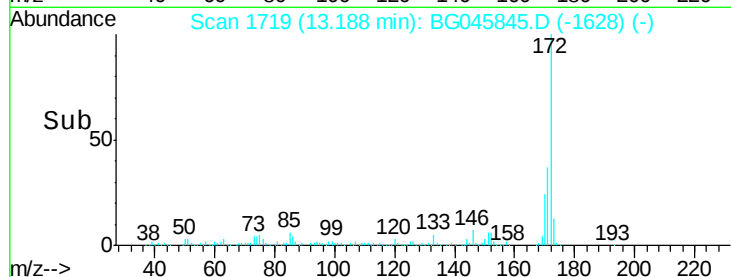
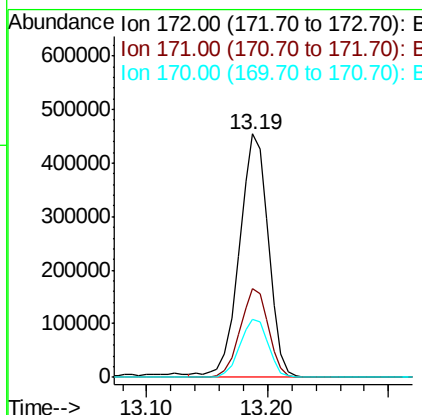
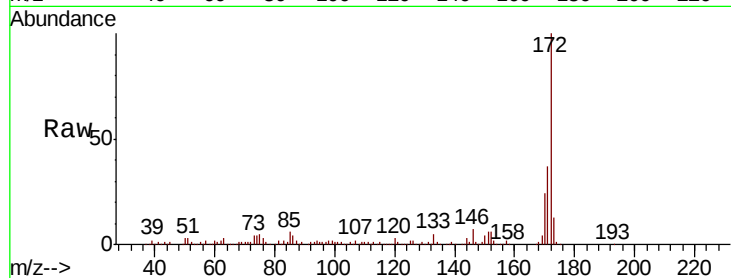




#45
2-Fluorobiphenyl
Concen: 74.679 ng
RT: 13.19 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BG045845.D
Acq: 24 Jun 2020 13:49

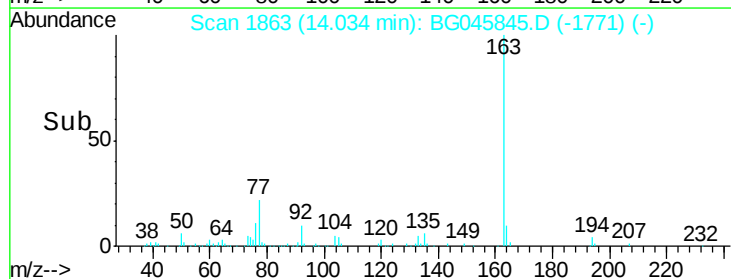
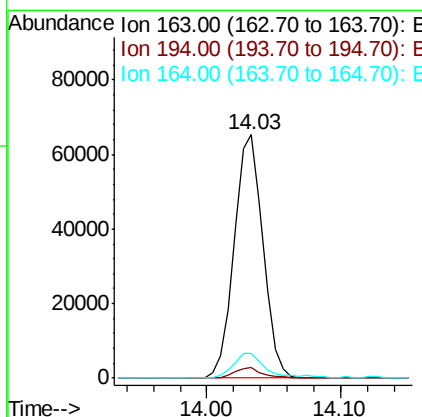
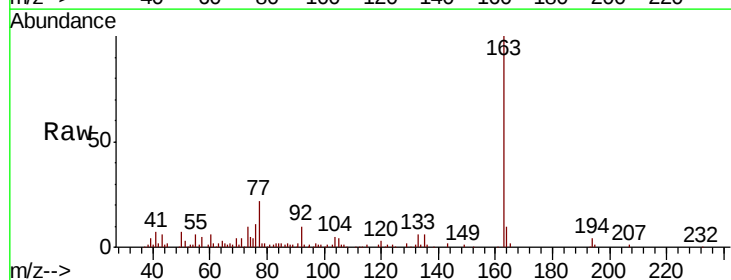
Instrument :
BNA_G
ClientSampleId :
EFF-WW

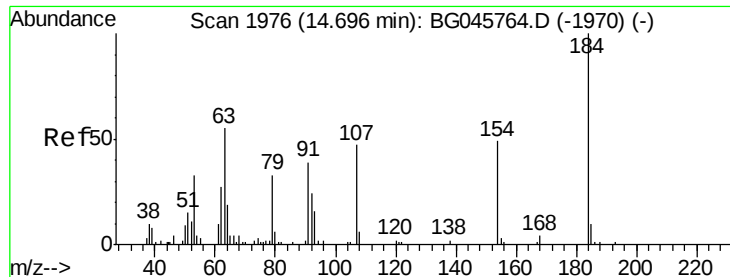
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.9	44.9
170	23.6	19.3	28.9



#50
Dimethylphthalate
Concen: 8.344 ng
RT: 14.03 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BG045845.D
Acq: 24 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.1	8.9	13.3





#54

2,4-Dinitrophenol

Concen: 9.873 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.11 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

Instrument :

BNA_G

ClientSampleId :

EFF-WW

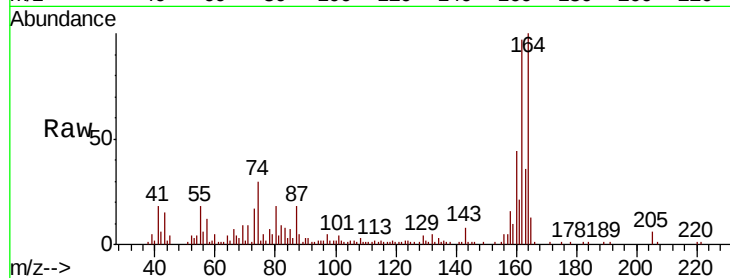
Tot Ion:184 Resp: 79

Ion Ratio Lower Upper

184 100

63 138.6 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

800

600

400

200

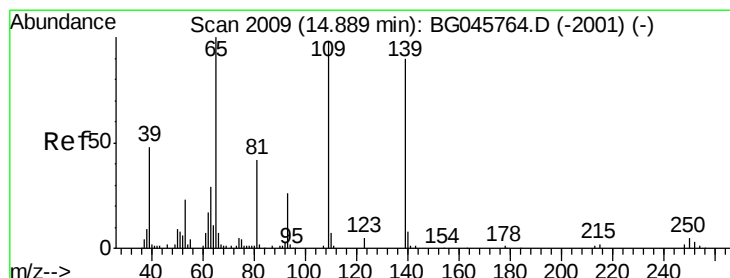
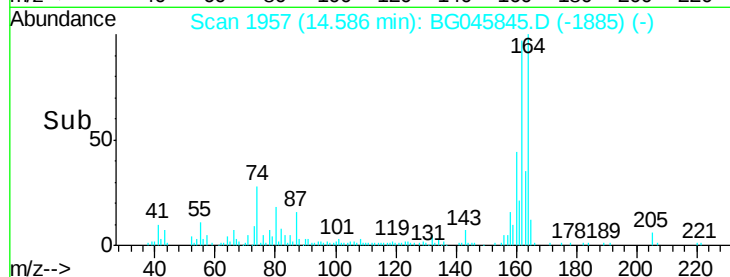
0

14.58

14.59

14.60

Time-->



#56

4-Nitrophenol

Concen: 9.046 ng

RT: 15.11 min Scan# 2047

Delta R.T. 0.23 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

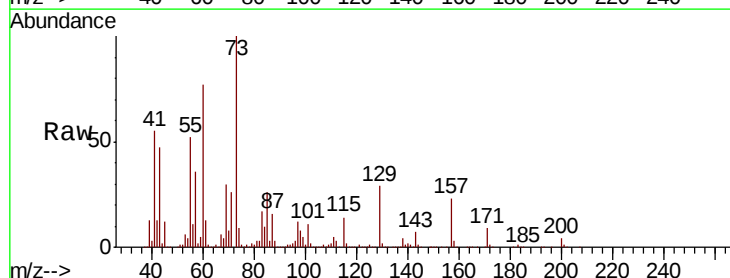
Tgt Ion:139 Resp: 10030

Ion Ratio Lower Upper

139 100

109 127.1 88.9 128.9

65 123.3 92.3 132.3



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

8000

6000

4000

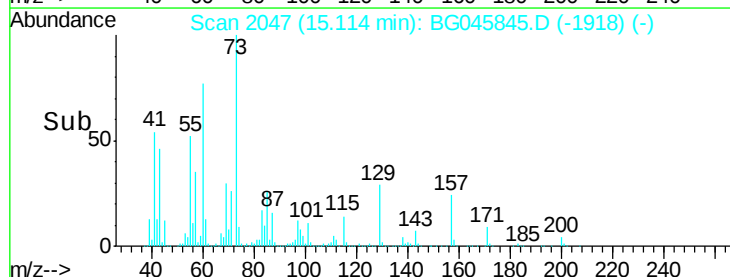
2000

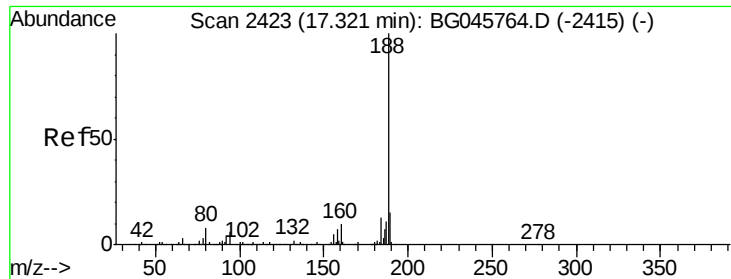
0

15.00

15.11

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

Instrument :

BNA_G

ClientSampled :

EFF-WW

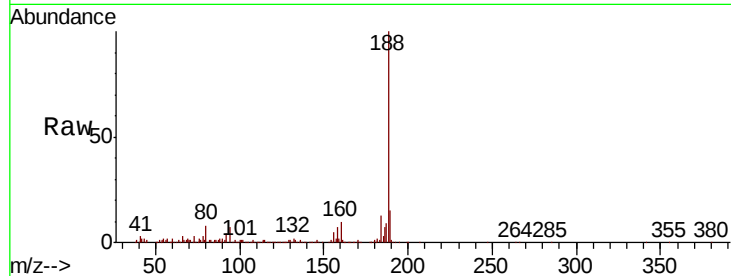
Tot Ion:188 Resp: 315102

Ion Ratio Lower Upper

188 100

94 6.5 5.1 7.7

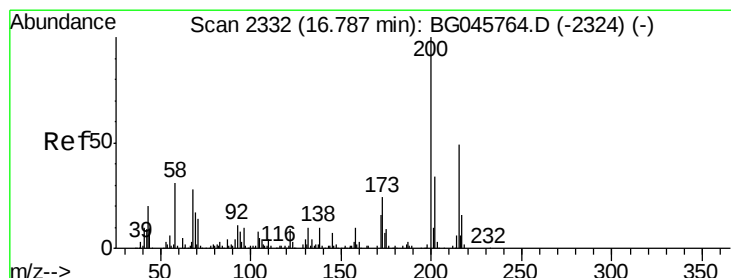
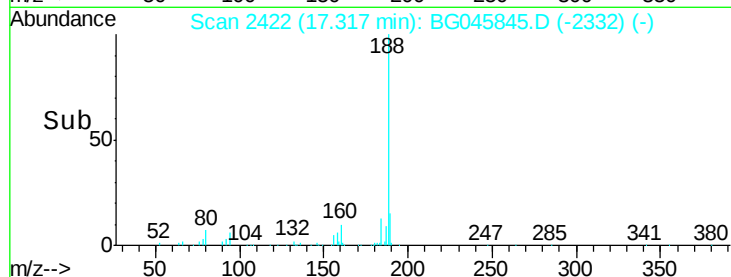
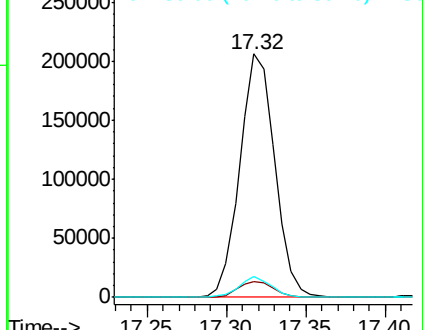
80 8.4 6.2 9.4



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



#69

Atrazine

Concen: 2.514 ng

RT: 16.79 min Scan# 2333

Delta R.T. 0.01 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

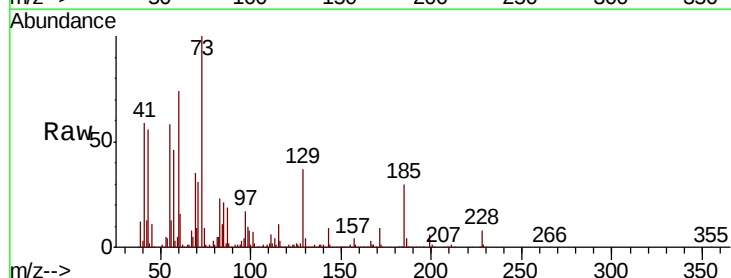
Tgt Ion:200 Resp: 8705

Ion Ratio Lower Upper

200 100

173 11.9 3.9 43.9

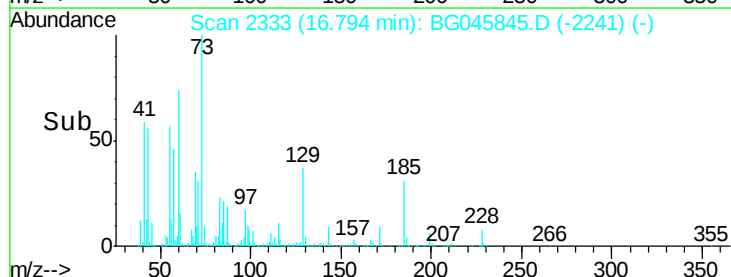
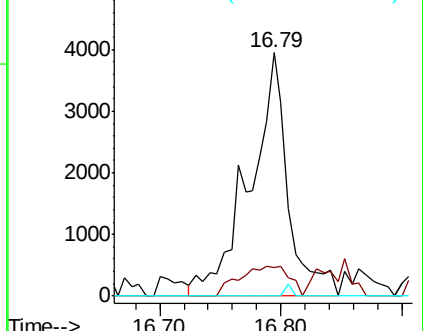
215 0.0 28.8 68.8#

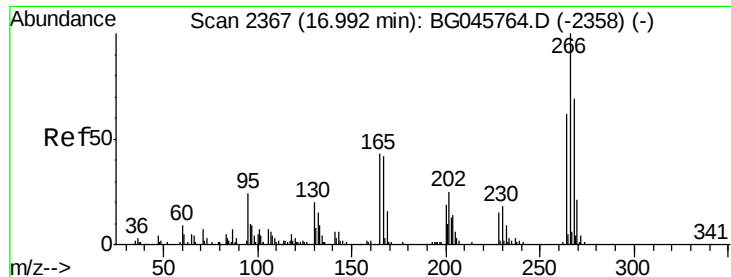


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Pentachlorophenol

Concen: 7.787 ng

RT: 16.99 min Scan# 2366

Delta R.T. -0.00 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

Instrument :

BNA_G

ClientSampleId :

EFF-WW

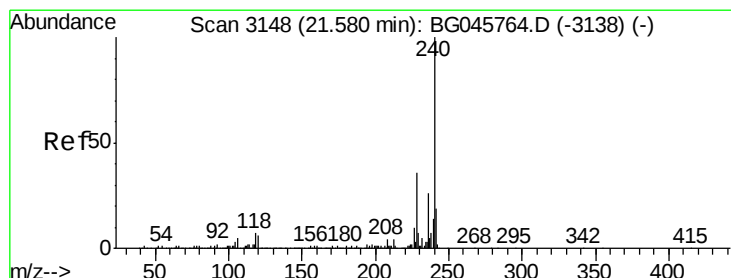
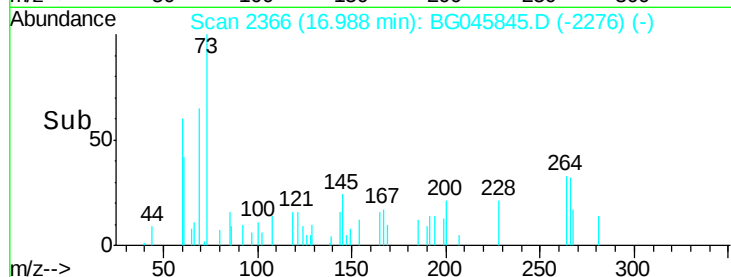
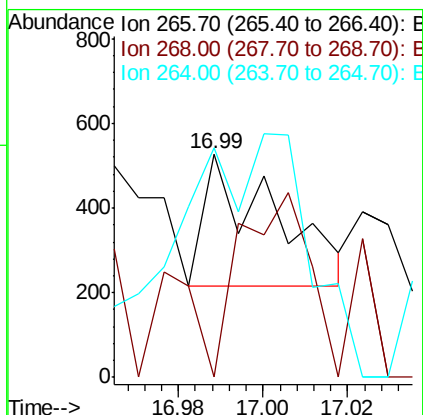
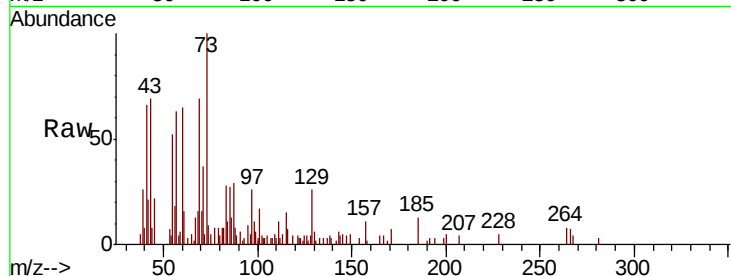
Tot Ion:266 Resp: 357

Ion Ratio Lower Upper

266 100

268 0.0 55.4 83.0#

264 102.8 49.8 74.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

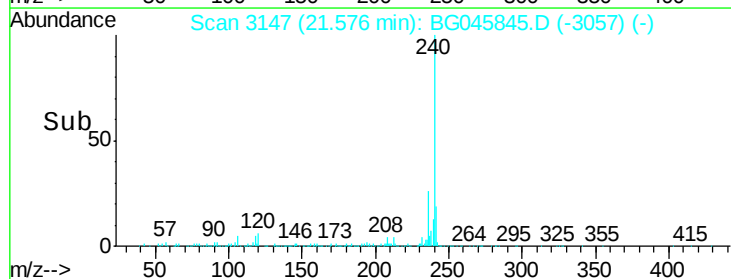
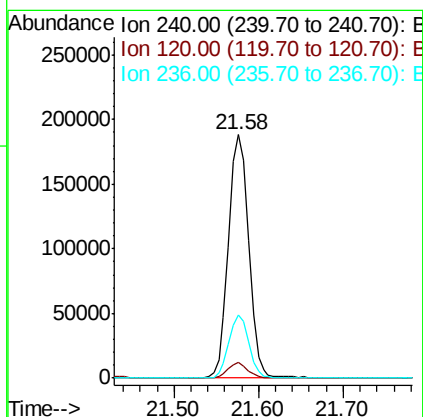
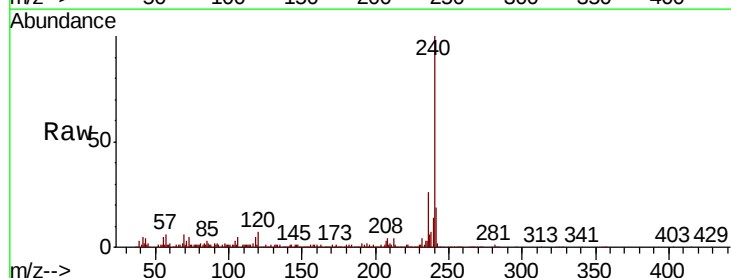
Tgt Ion:240 Resp: 311203

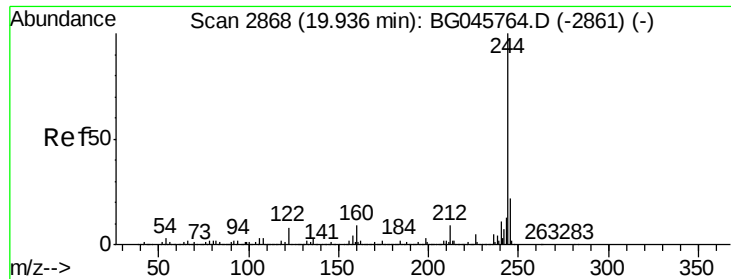
Ion Ratio Lower Upper

240 100

120 6.6 5.0 7.4

236 25.7 20.6 30.8





#79

Terphenyl-d14

Concen: 73.226 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

Instrument :

BNA_G

ClientSampleId :

EFF-WW

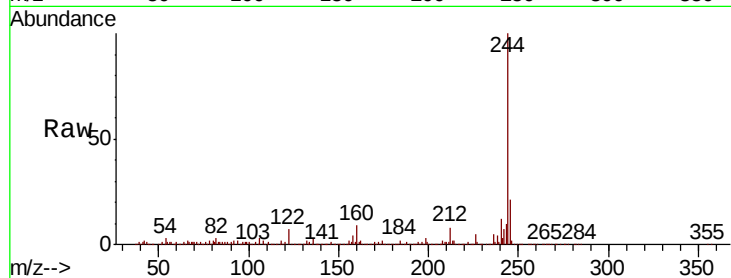
Tot Ion:244 Resp: 1124453

Ion Ratio Lower Upper

244 100

212 8.4 7.2 10.8

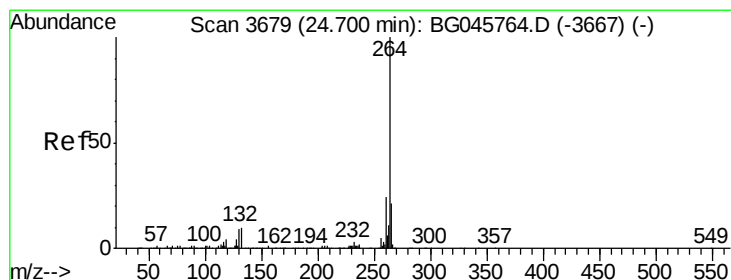
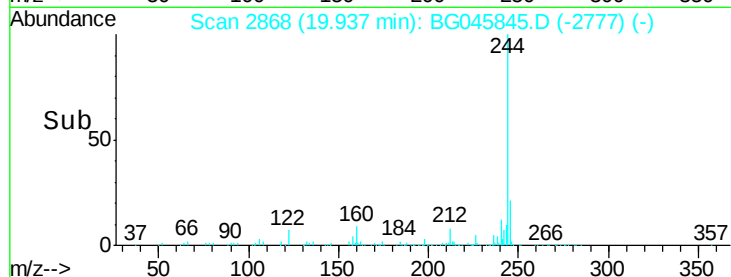
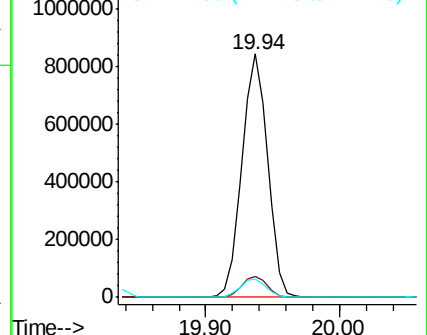
122 7.4 6.4 9.6



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

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BG045845.D

Acq: 24 Jun 2020 13:49

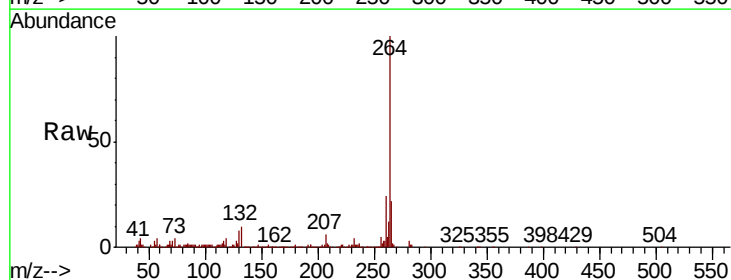
Tgt Ion:264 Resp: 342420

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 21.6 17.4 26.0



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

