

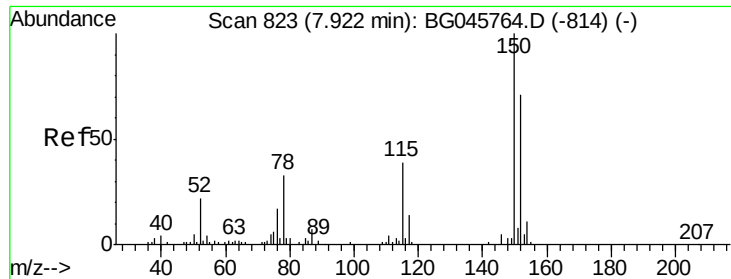
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061920\
 Data File : BG045817.D
 Acq On : 19 Jun 2020 16:06
 Operator : CG/JU
 Sample : L3033-04DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW001-200615DL

Quant Time: Jun 19 17:34:16 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	43985	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	175074	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	125811	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	300859	20.00	ng	0.00
76) Chrysene-d12	21.57	240	309406	20.00	ng	0.00
86) Perylene-d12	24.70	264	326549	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	12944	4.97	ng	0.00
7) Phenol-d6	7.15	99	15358	3.88	ng	0.00
23) Nitrobenzene-d5	9.08	82	29195	7.62	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	22392	11.79	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	70243	8.20	ng	0.00
79) Terphenyl-d14	19.93	244	145080	9.50	ng	0.00
Target Compounds						
10) Phenol	7.18	94	15559	4.054	ng	Qvalue 97
12) 1,3-Dichlorobenzene	7.81	146	9514	2.864	ng	94
13) 1,4-Dichlorobenzene	7.95	146	23367	7.043	ng	88
14) 1,2-Dichlorobenzene	8.27	146	164546	51.808	ng	97
17) 2-Methylphenol	8.41	107	22435	7.855	ng	91
20) 3+4-Methylphenols	8.74	107	154485	41.130	ng	# 74
27) 2,4-Dimethylphenol	9.97	122	16732	6.438	ng	# 92
31) Naphthalene	10.77	128	87592	9.151	ng	99

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

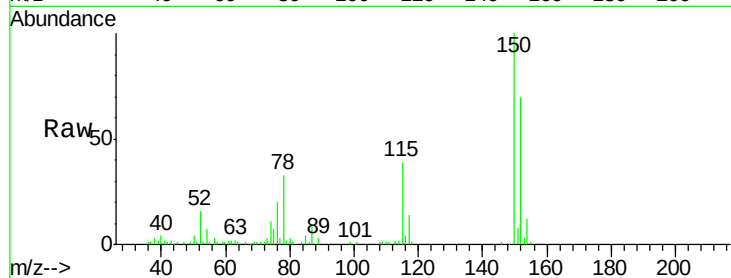


#1

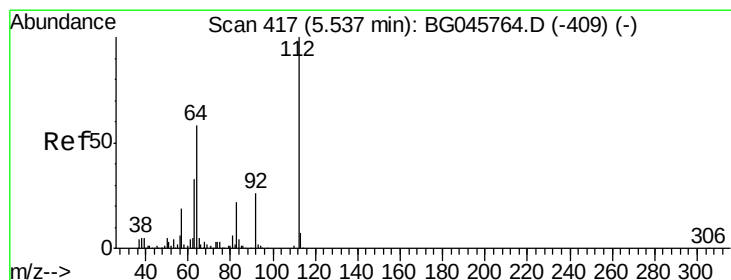
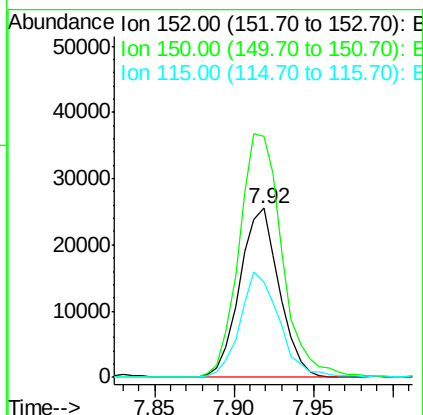
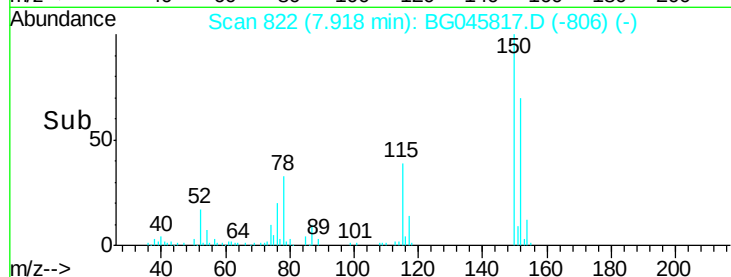
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG045817.D
Acq: 19 Jun 2020 16:06

Instrument :
BNA_G
ClientSampleId :
LF001MW001-200615DL

Tot Ion	152	Resp	43985
Ion Ratio	Lower	Upper	
152	100		
150	142.6	113.1	169.7
115	56.0	43.8	65.6



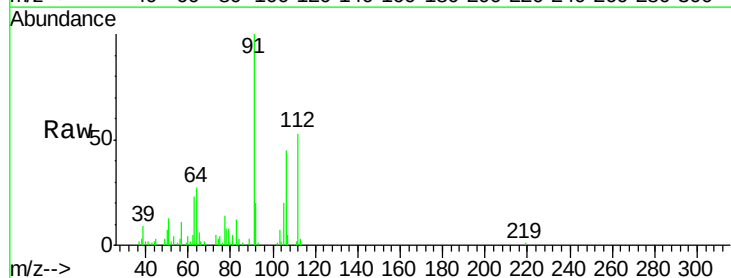
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



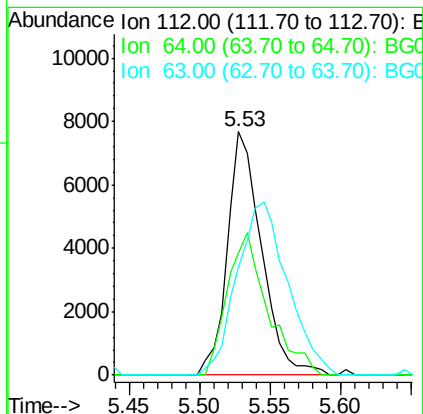
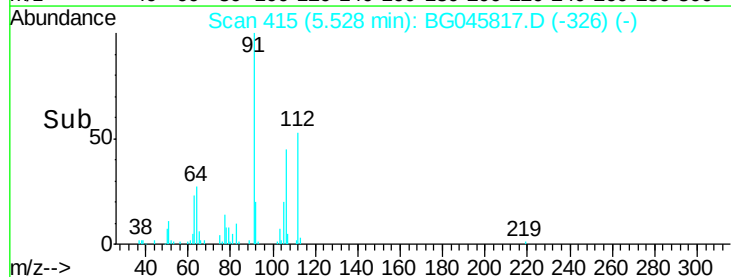
#5

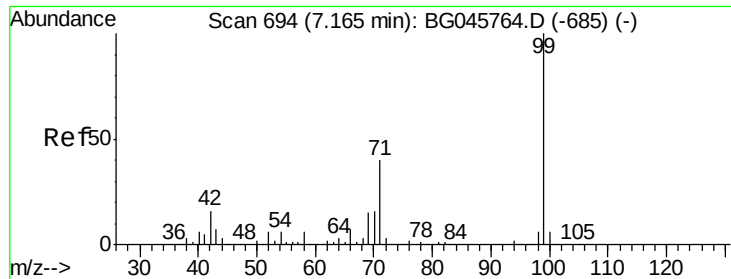
2-Fluorophenol
Concen: 4.971 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG045817.D
Acq: 19 Jun 2020 16:06

Tgt Ion	112	Resp	12944
Ion Ratio	Lower	Upper	
112	100		
64	50.2	46.6	69.8
63	44.2	26.3	39.5#



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: 3.878 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045817.D

Acq: 19 Jun 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LF001MW001-200615DL

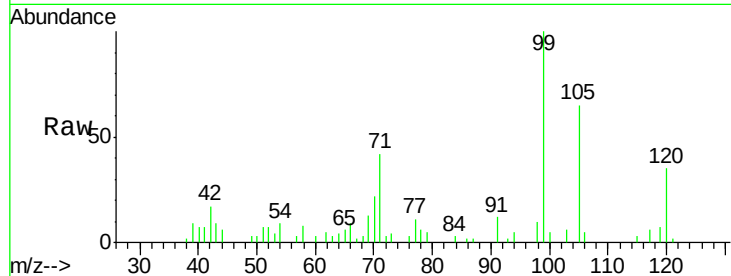
Tot Ion: 99 Resp: 15358

Ion Ratio Lower Upper

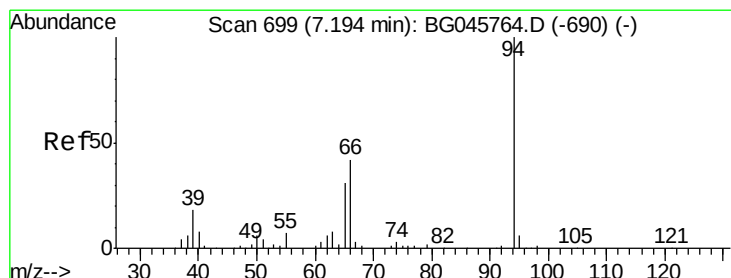
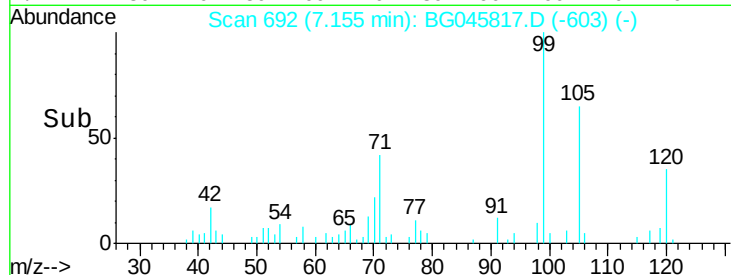
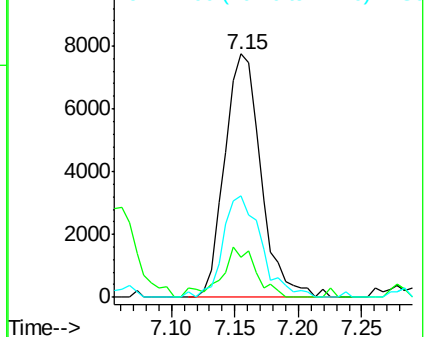
99 100

42 16.6 12.4 18.6

71 41.9 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



#10

Phenol

Concen: 4.054 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG045817.D

Acq: 19 Jun 2020 16:06

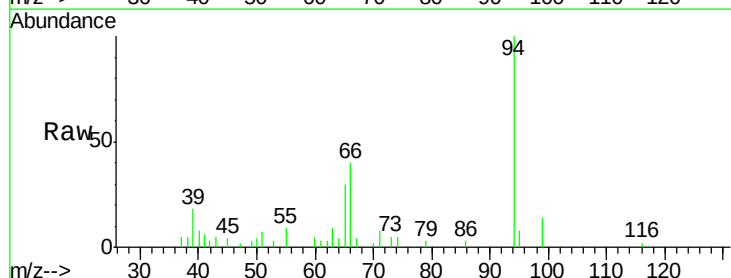
Tgt Ion: 94 Resp: 15559

Ion Ratio Lower Upper

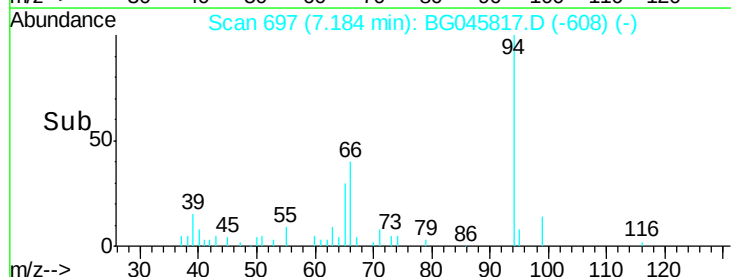
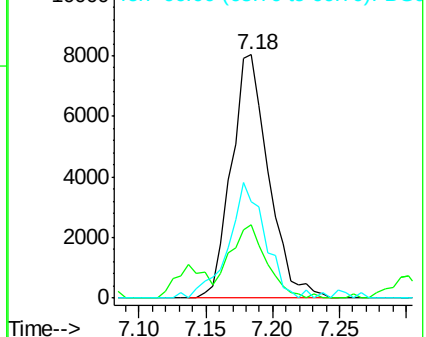
94 100

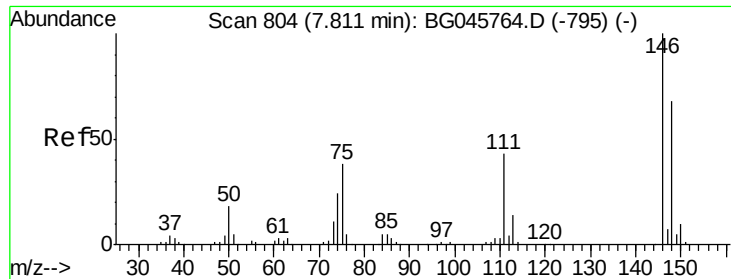
65 30.3 10.7 50.7

66 39.7 22.5 62.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

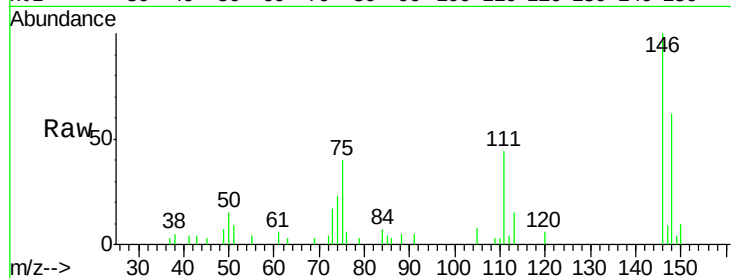




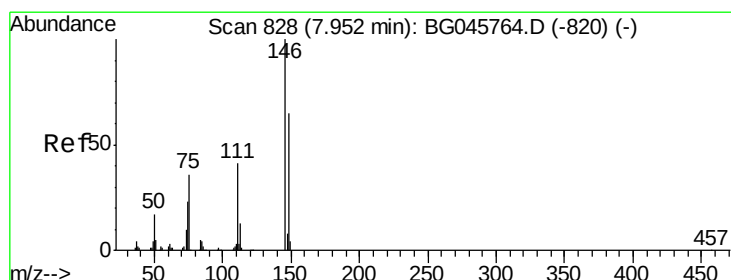
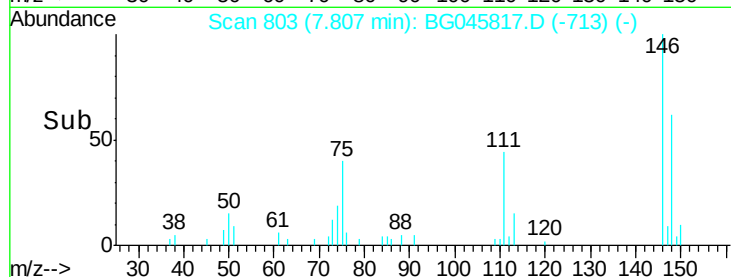
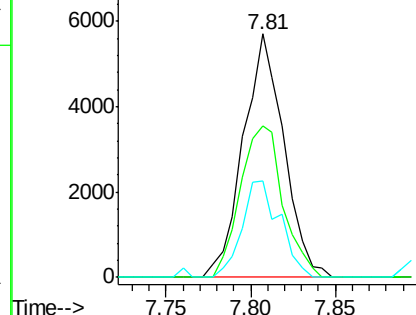
#12
 1,3-Dichlorobenzene
 Concen: 2.864 ng
 RT: 7.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BG045817.D
 Acq: 19 Jun 2020 16:06

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW001-200615DL

Tot Ion:146 Resp: 9514
 Ion Ratio Lower Upper
 146 100
 148 62.0 54.2 81.4
 75 39.7 30.1 45.1

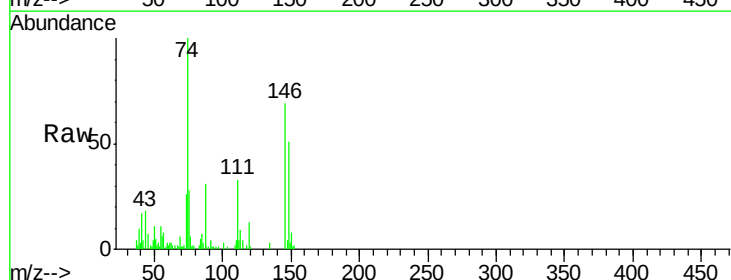


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): B

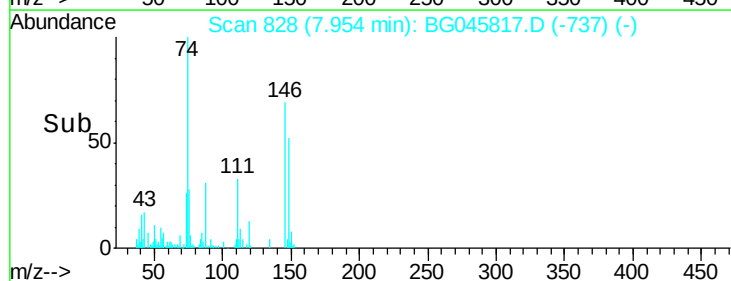
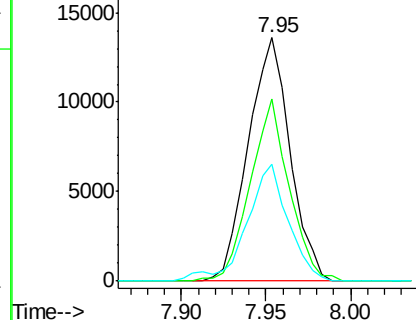


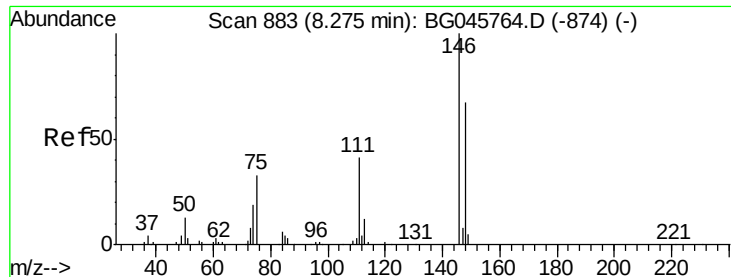
#13
 1,4-Dichlorobenzene
 Concen: 7.043 ng
 RT: 7.95 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BG045817.D
 Acq: 19 Jun 2020 16:06

Tgt Ion:146 Resp: 23367
 Ion Ratio Lower Upper
 146 100
 148 74.6 51.8 77.6
 111 48.2 32.8 49.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 51.808 ng

RT: 8.27 min Scan# 882

Delta R.T. -0.00 min

Lab File: BG045817.D

Acq: 19 Jun 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LF001MW001-200615DL

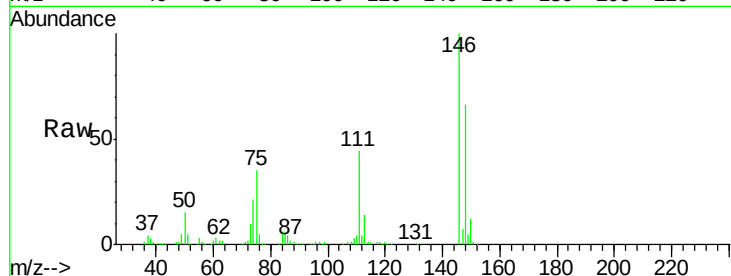
Tot Ion:146 Resp: 164546

Ion Ratio Lower Upper

146 100

148 65.9 54.1 81.1

111 44.2 32.9 49.3

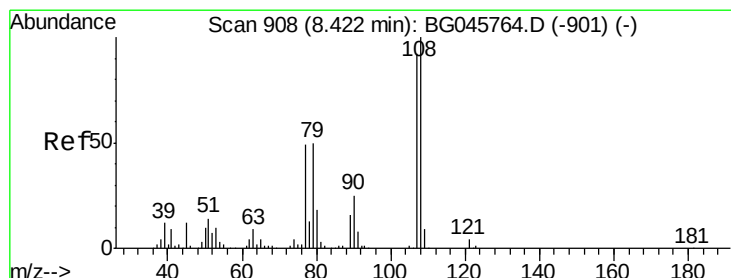
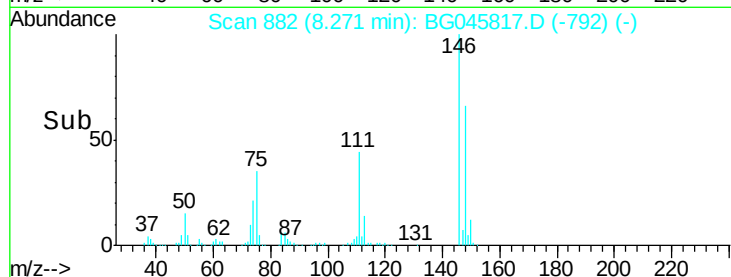
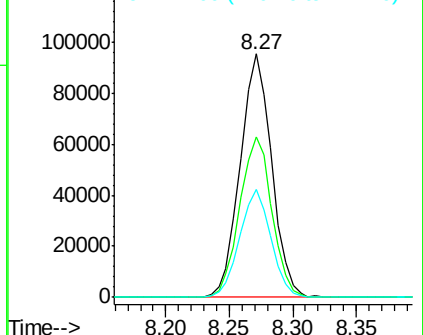


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#17

2-Methylphenol

Concen: 7.855 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG045817.D

Acq: 19 Jun 2020 16:06

Tgt Ion:107 Resp: 22435

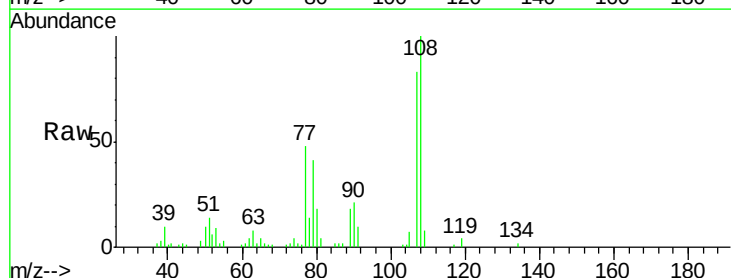
Ion Ratio Lower Upper

107 100

108 119.8 87.4 131.0

77 57.0 42.5 63.7

79 48.7 44.0 66.0



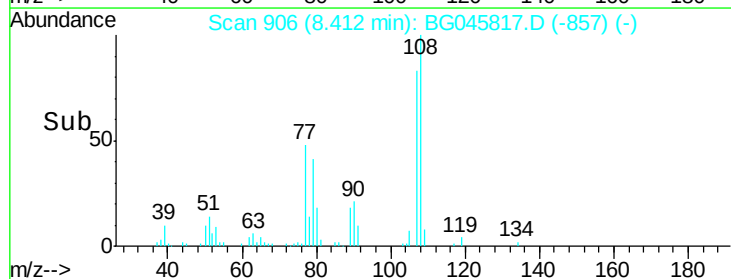
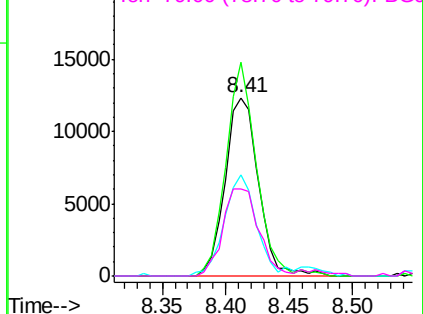
Abundance

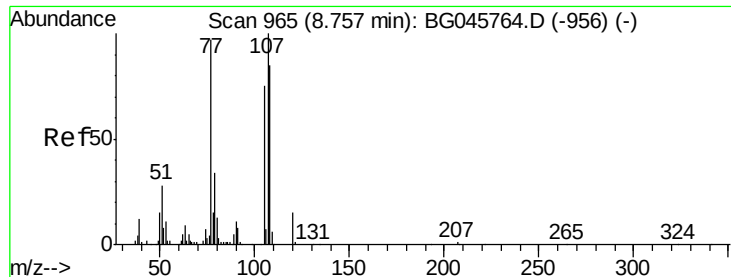
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#20

3+4-Methylphenols

Concen: 41.130 ng

RT: 8.74 min Scan# 962

Delta R.T. -0.02 min

Lab File: BG045817.D

Acq: 19 Jun 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LF001MW001-200615DL

Tot Ion:107 Resp: 154485

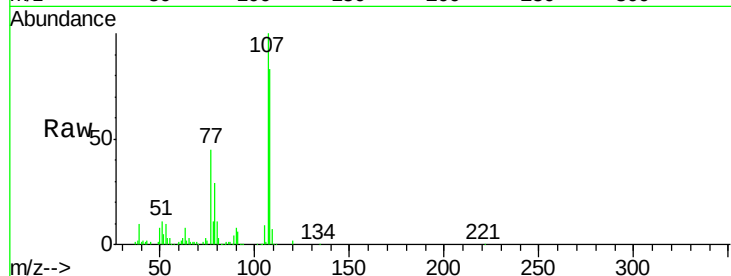
Ion Ratio Lower Upper

107 100

108 82.8 65.4 105.4

77 45.4 77.2 117.2#

79 29.4 14.2 54.2

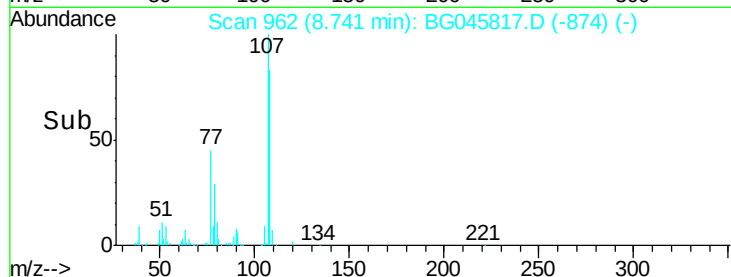


Abundance Ion 107.00 (106.70 to 107.70): E

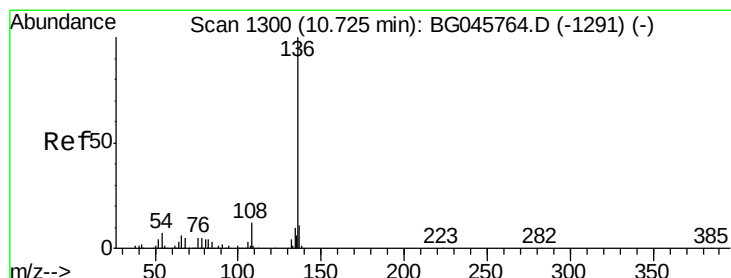
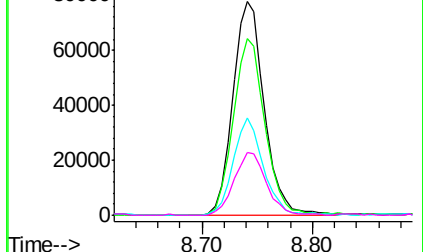
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.72 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BG045817.D

Acq: 19 Jun 2020 16:06

Tgt Ion:136 Resp: 175074

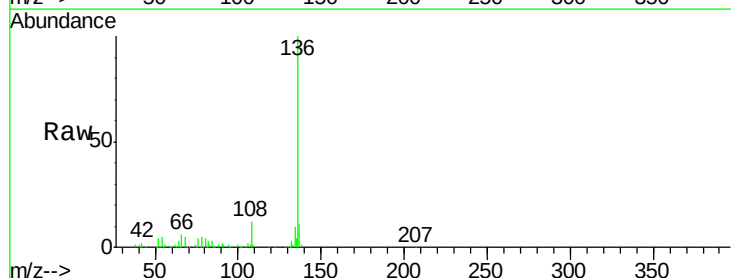
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 5.5 5.8 8.6#

68 4.9 4.0 6.0

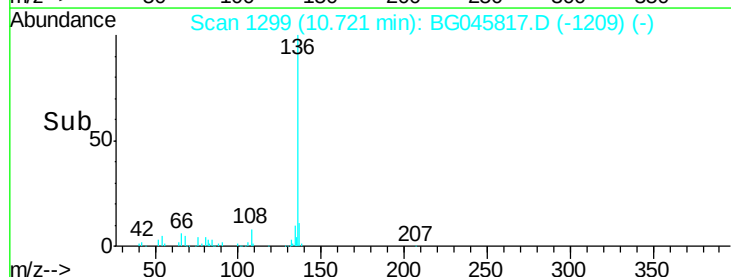


Abundance Ion 136.00 (135.70 to 136.70): E

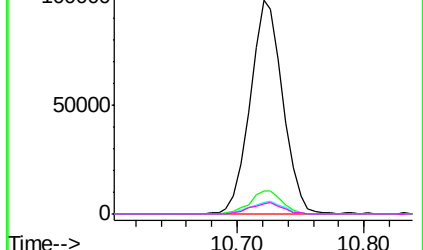
Ion 137.00 (136.70 to 137.70): E

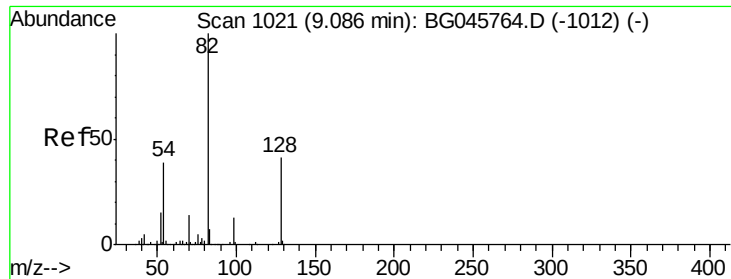
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

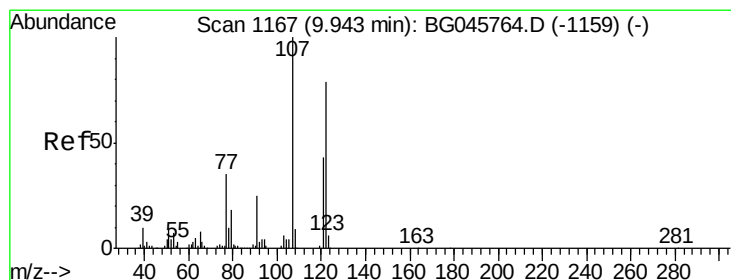
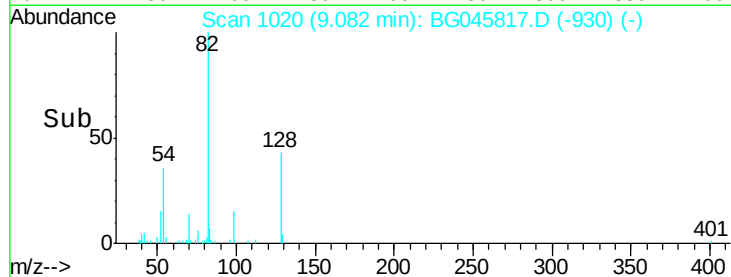
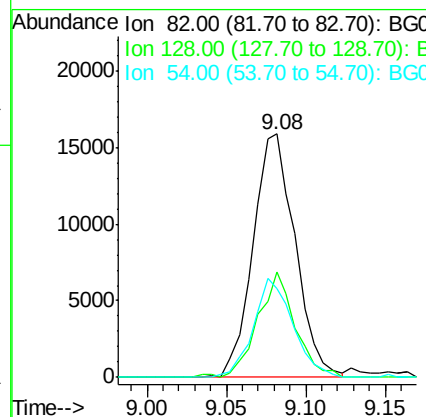
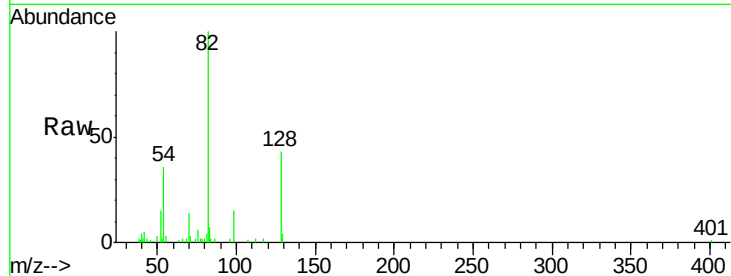




#23
 Nitrobenzene-d5
 Concen: 7.618 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG045817.D
 Acq: 19 Jun 2020 16:06

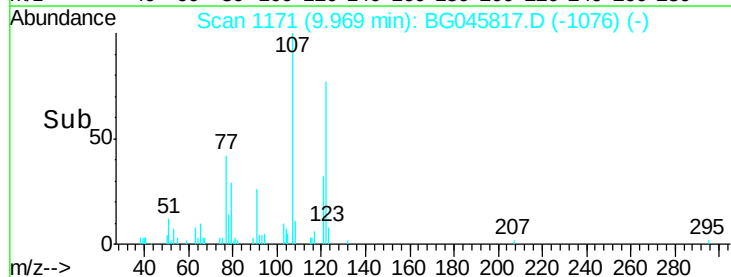
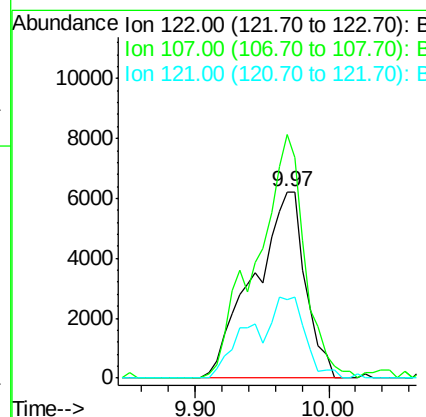
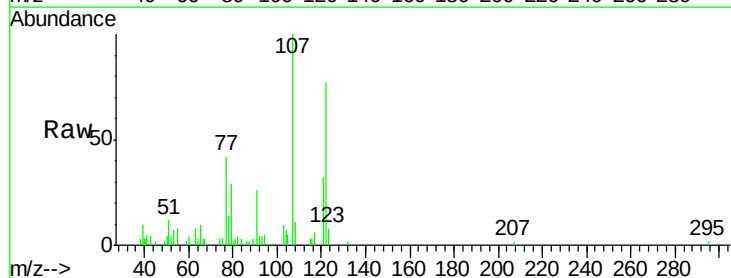
Instrument :
 BNA_G
 ClientSampleId :
 LF001MW001-200615DL

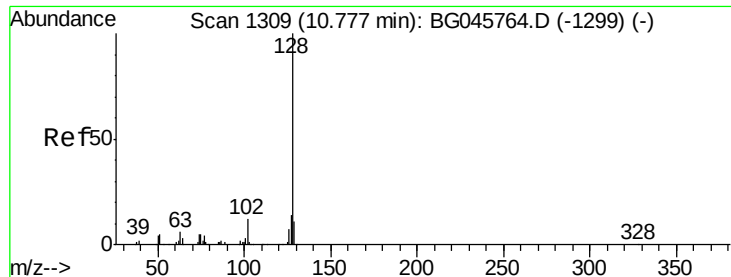
Tot Ion	82	Resp	29195
Ion Ratio	Lower	Upper	
82	100		
128	43.1	32.5	48.7
54	36.3	31.2	46.8



#27
 2,4-Dimethylphenol
 Concen: 6.438 ng
 RT: 9.97 min Scan# 1171
 Delta R.T. 0.03 min
 Lab File: BG045817.D
 Acq: 19 Jun 2020 16:06

Tgt Ion	122	Resp	16732
Ion Ratio	Lower	Upper	
122	100		
107	130.7	101.3	151.9
121	42.1	43.9	65.9#

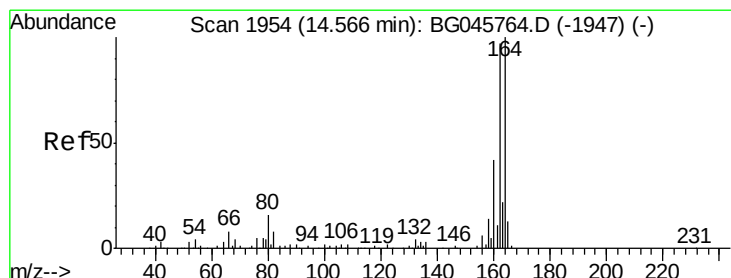
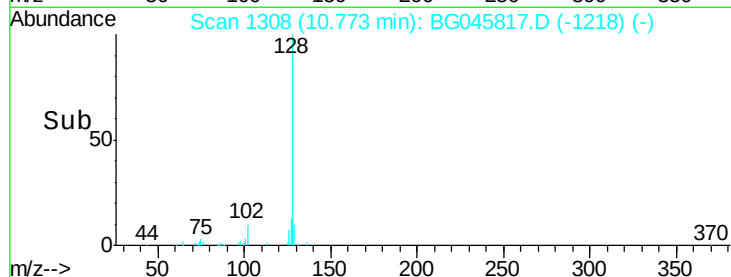
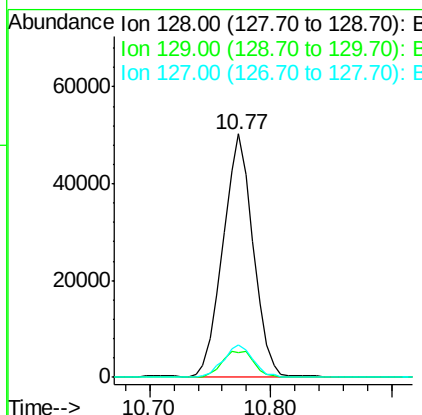
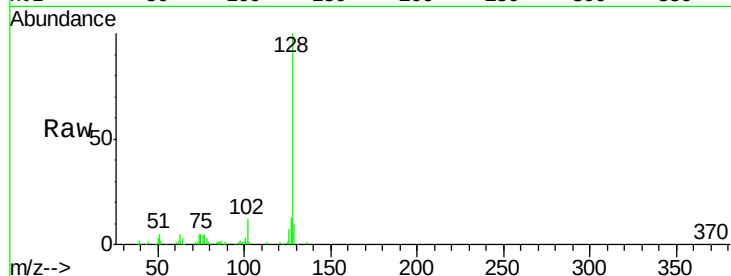




#31
Naphthalene
Concen: 9.151 ng
RT: 10.77 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BG045817.D
Acq: 19 Jun 2020 16:06

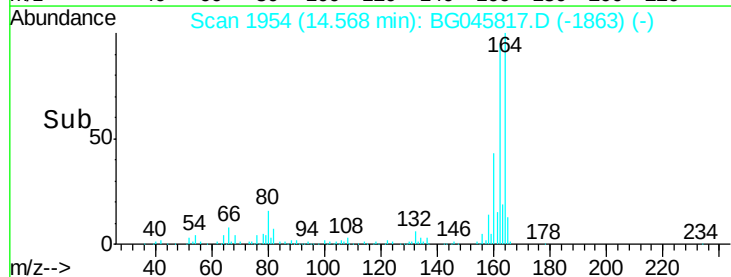
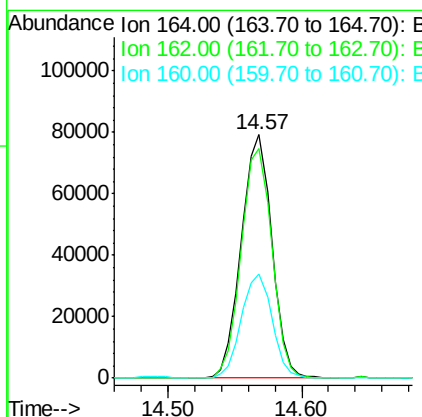
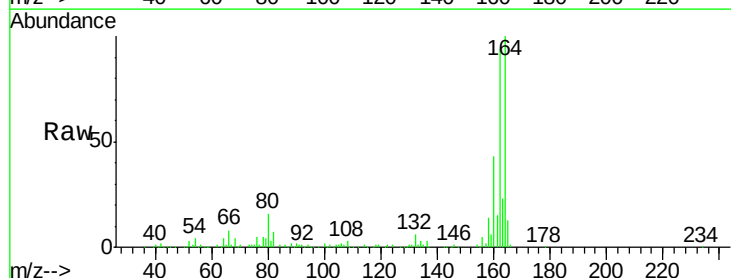
Instrument :
BNA_G
ClientSampleId :
LF001MW001-200615DL

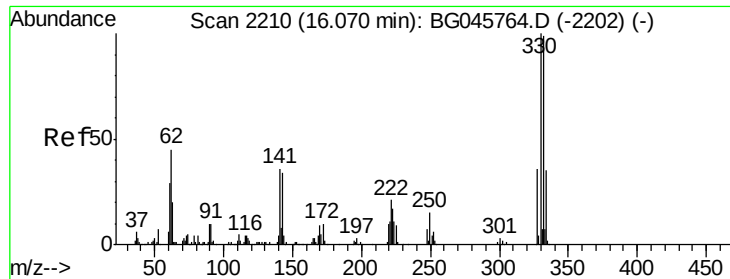
Tot Ion:128 Resp: 87592
Ion Ratio Lower Upper
128 100
129 10.4 8.6 13.0
127 13.3 10.9 16.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BG045817.D
Acq: 19 Jun 2020 16:06

Tgt Ion:164 Resp: 125811
Ion Ratio Lower Upper
164 100
162 94.2 77.4 116.0
160 43.0 33.3 49.9

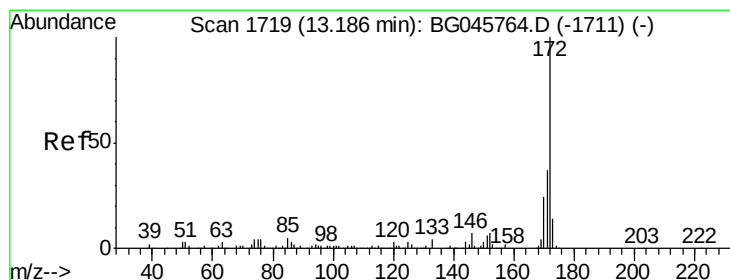
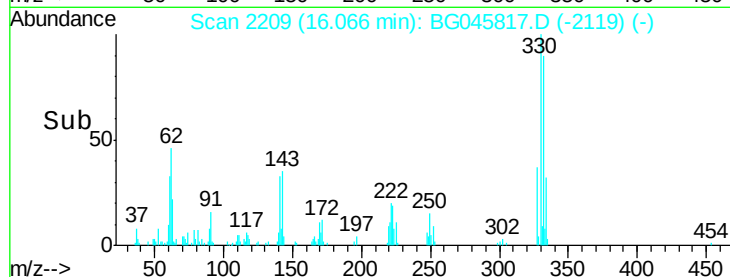
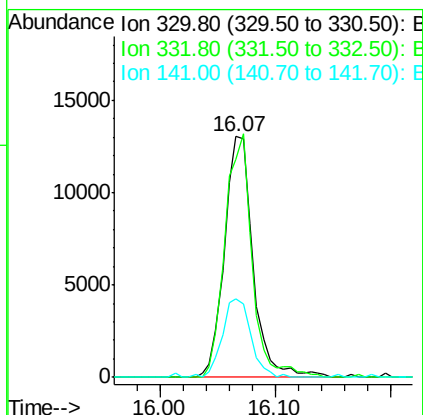
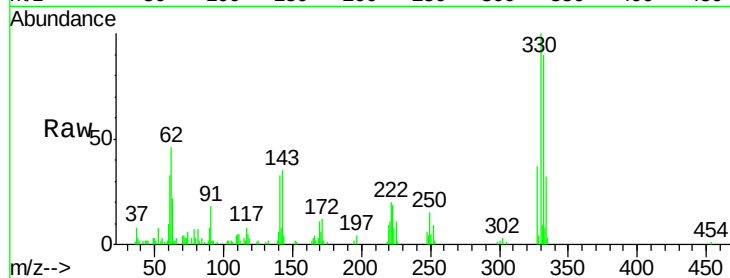




#42
2,4,6-Tribromophenol
Concen: 11.789 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BG045817.D
Acq: 19 Jun 2020 16:06

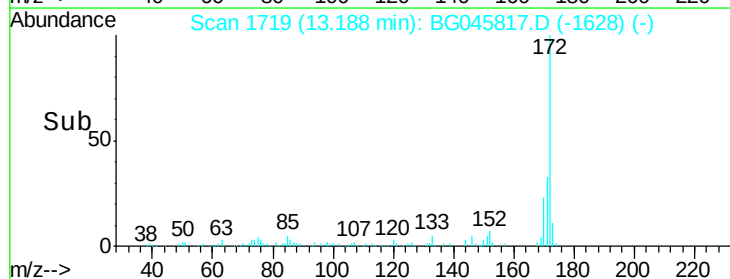
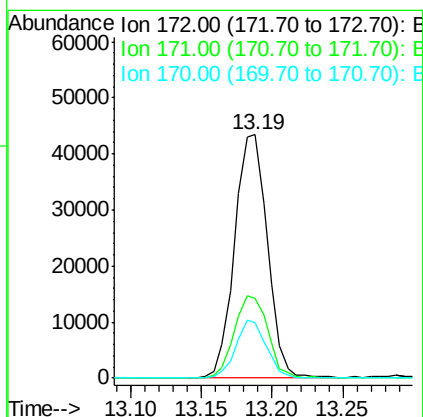
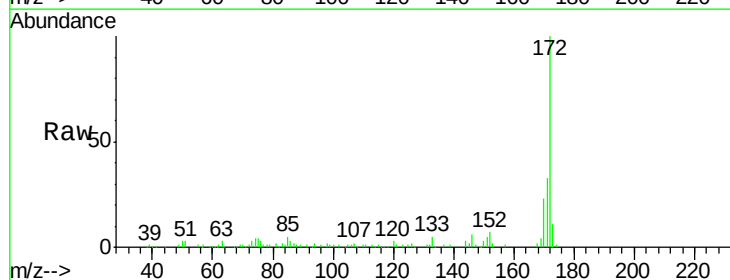
Instrument :
BNA_G
ClientSampleId :
LF001MW001-200615DL

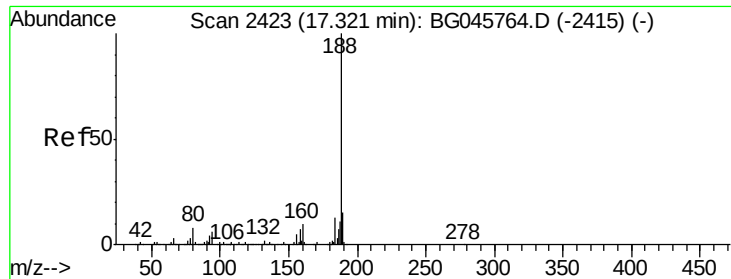
Tot Ion:330 Resp: 22392
Ion Ratio Lower Upper
330 100
332 95.9 78.6 117.8
141 32.3 28.2 42.4



#45
2-Fluorobiphenyl
Concen: 8.205 ng
RT: 13.19 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BG045817.D
Acq: 19 Jun 2020 16:06

Tgt Ion:172 Resp: 70243
Ion Ratio Lower Upper
172 100
171 32.6 29.9 44.9
170 22.7 19.3 28.9

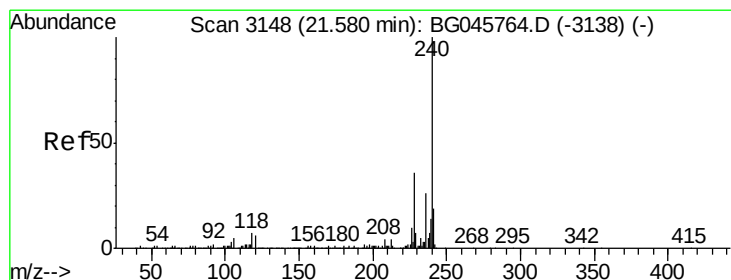
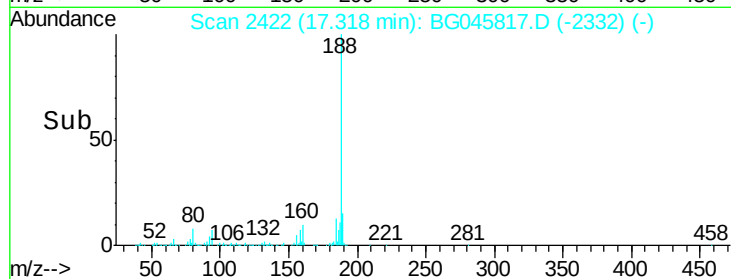
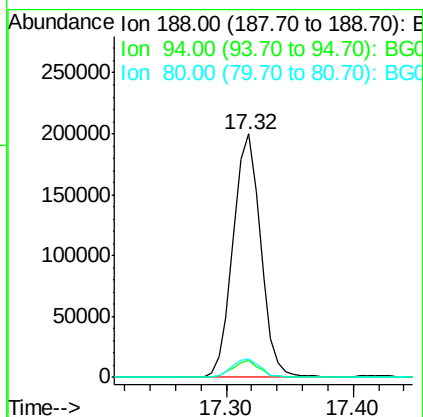
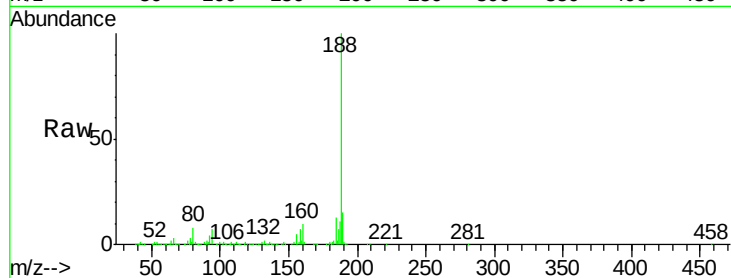




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BG045817.D
Acq: 19 Jun 2020 16:06

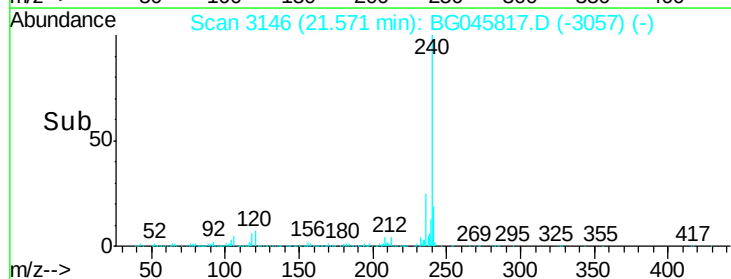
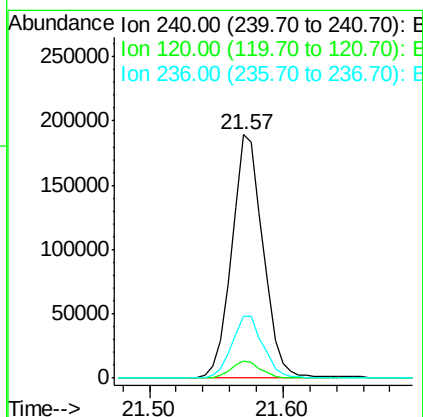
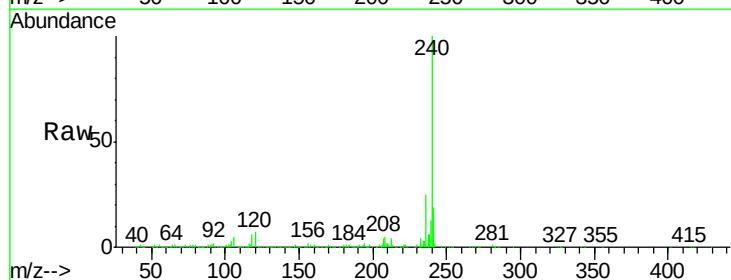
Instrument :
BNA_G
ClientSampleId :
LF001MW001-200615DL

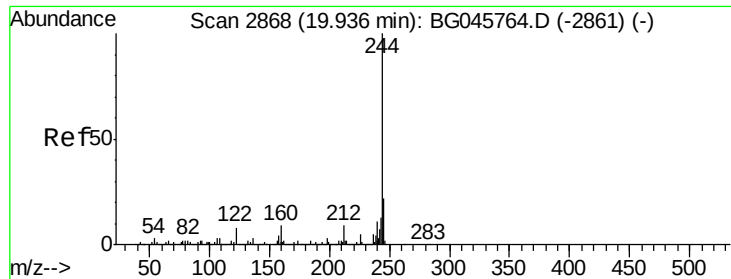
Tot Ion:188 Resp: 300859
Ion Ratio Lower Upper
188 100
94 7.1 5.1 7.7
80 7.5 6.2 9.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG045817.D
Acq: 19 Jun 2020 16:06

Tgt Ion:240 Resp: 309406
Ion Ratio Lower Upper
240 100
120 7.2 5.0 7.4
236 25.3 20.6 30.8





#79

Terphenyl-d14

Concen: 9.503 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045817.D

Acq: 19 Jun 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LF001MW001-200615DL

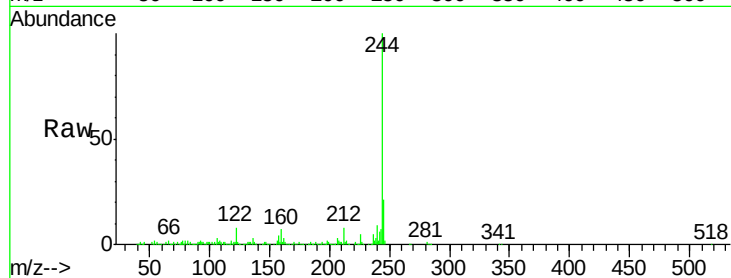
Tot Ion:244 Resp: 145080

Ion Ratio Lower Upper

244 100

212 7.9 7.2 10.8

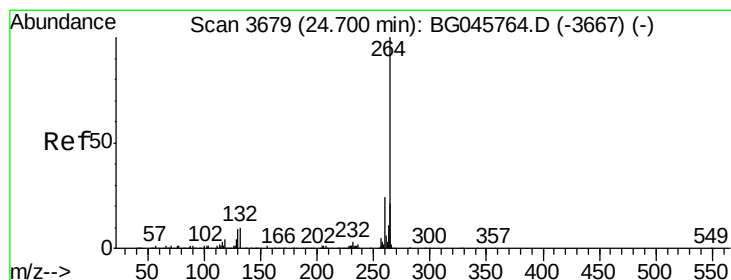
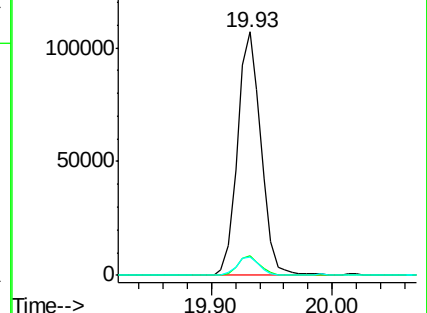
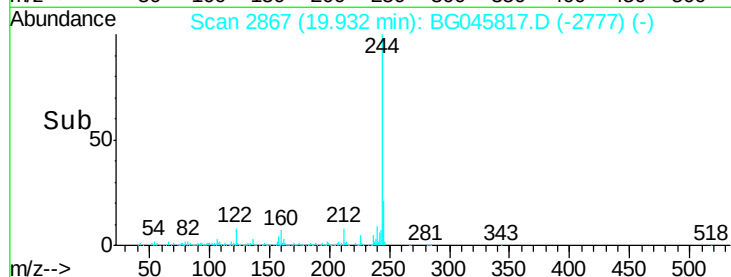
122 7.6 6.4 9.6



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: BG045817.D

Acq: 19 Jun 2020 16:06

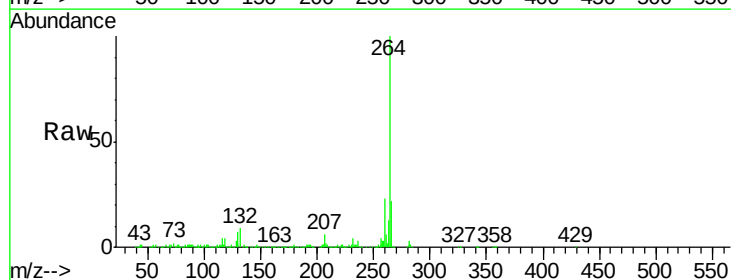
Tgt Ion:264 Resp: 326549

Ion Ratio Lower Upper

264 100

260 22.6 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

