

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061120\
 Data File : BG045734.D
 Acq On : 11 Jun 2020 23:40
 Operator : CG/JU
 Sample : L2965-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MASON-BRICK-COMP-1

Quant Time: Jun 12 02:32:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	57209	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	222875	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	144930	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	301422	20.00	ng	0.00
76) Chrysene-d12	21.59	240	295487	20.00	ng	0.00
87) Perylene-d12	24.74	264	335977	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	230134	78.62	ng	0.00
7) Phenol-d6	7.13	99	341186	81.89	ng	-0.01
23) Nitrobenzene-d5	9.11	82	234283	57.32	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	129205	69.71	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	489809	57.33	ng	0.00
79) Terphenyl-d14	19.95	244	766939	60.54	ng	0.00

Target Compounds

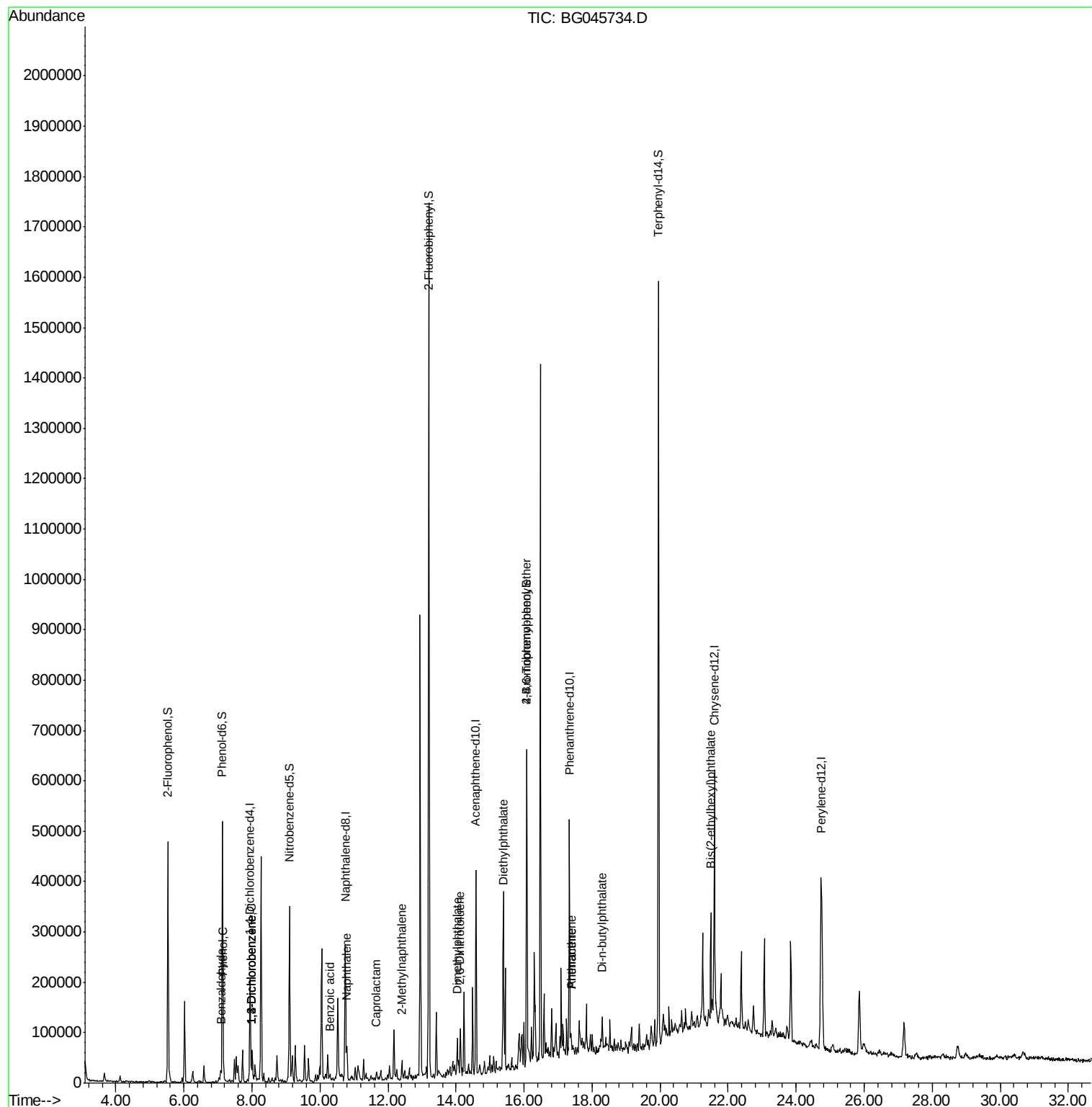
						Qvalue
9) Benzaldehyde	7.08	77	9598	3.536	ng	88
10) Phenol	7.16	94	10161	2.366	ng	91
12) 1,3-Dichlorobenzene	7.98	146	8876	2.301	ng	# 85
13) 1,4-Dichlorobenzene	7.98	146	8876	2.331	ng	90
14) 1,2-Dichlorobenzene	7.98	146	8876	2.424	ng	# 85
31) Naphthalene	10.80	128	32110	3.092	ng	98
32) Benzoic acid	10.27	122	76	10.054	ng	# 32
35) Caprolactam	11.66	113	3216	2.671	ng	93
37) 2-Methylnaphthalene	12.41	142	19512	2.521	ng	93
50) Dimethylphthalate	14.04	163	45156	4.542	ng	98
51) 2,6-Dinitrotoluene	14.13	165	13449	5.995	ng	# 27
60) Diethylphthalate	15.40	149	48967	4.732	ng	99
67) 4-Bromophenyl-phenylether	16.08	248	8754	2.682	ng	# 1
71) Phenanthrene	17.38	178	27505	2.090	ng	99
72) Anthracene	17.38	178	27505	2.081	ng	97
74) Di-n-butylphthalate	18.30	149	50754	3.283	ng	96
84) Bis(2-ethylhexyl)phthalate	21.49	149	101050	10.111	ng	97

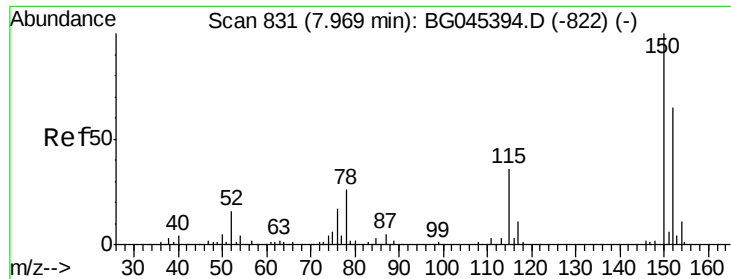
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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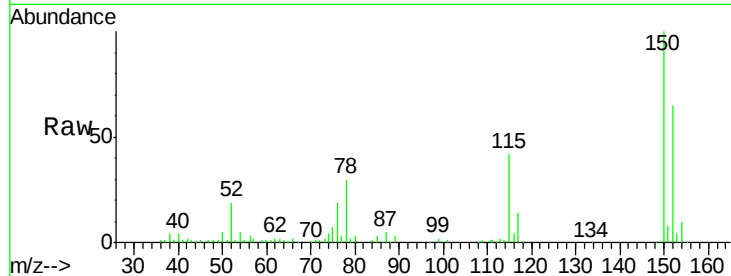


#1

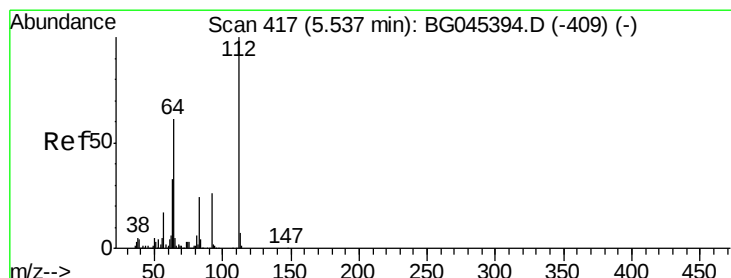
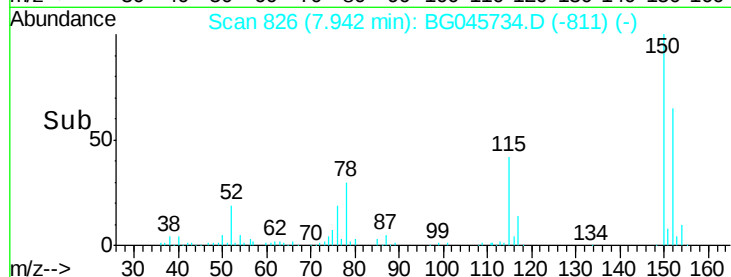
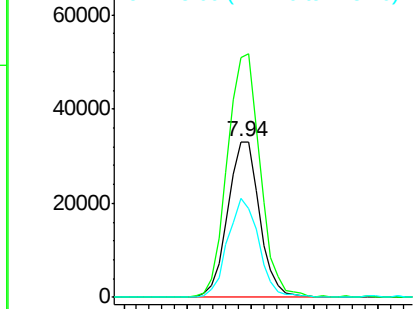
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG045734.D
Acq: 11 Jun 2020 23:40

Instrument :
BNA_G
ClientSampleId :
MASON-BRICK-COMP-1

Tot Ion:152 Resp: 57209
Ion Ratio Lower Upper
152 100
150 154.0 122.4 183.6
115 63.9 44.2 66.4



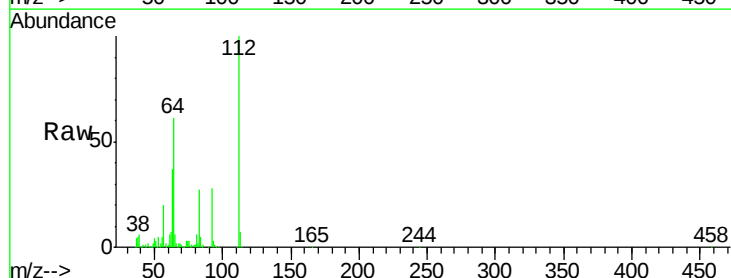
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



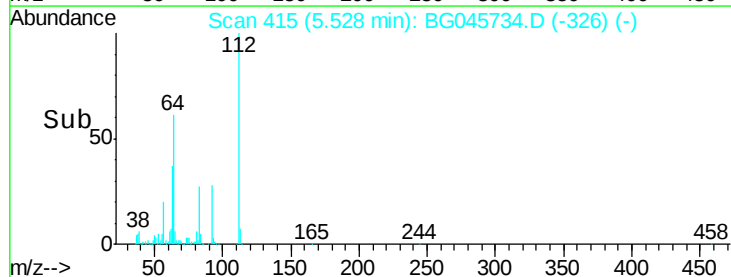
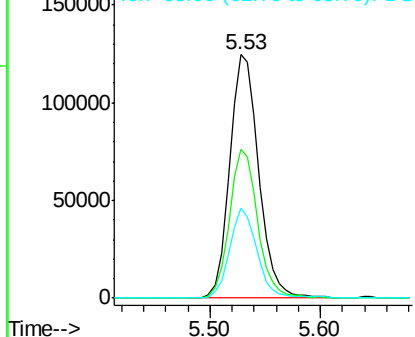
#5

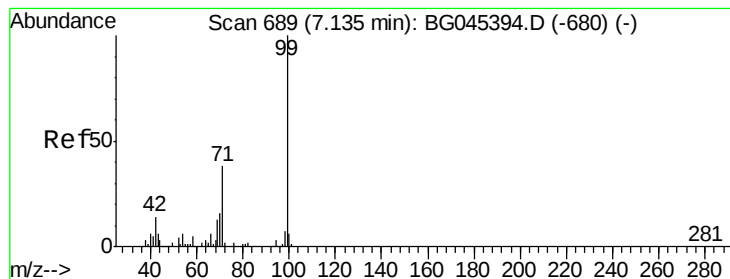
2-Fluorophenol
Concen: 78.615 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG045734.D
Acq: 11 Jun 2020 23:40

Tgt Ion:112 Resp: 230134
Ion Ratio Lower Upper
112 100
64 61.4 48.6 72.8
63 37.2 26.5 39.7



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: 81.888 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

Instrument :

BNA_G

ClientSampleId :

MASON-BRICK-COMP-1

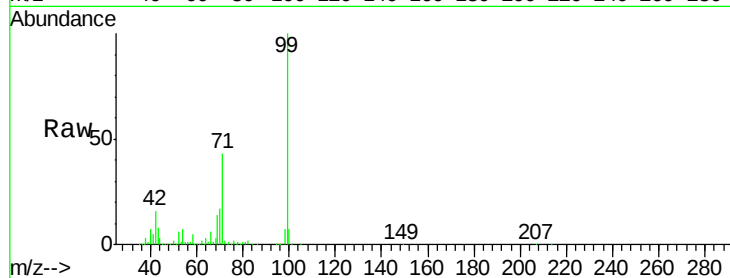
Tot Ion: 99 Resp: 341186

Ion Ratio Lower Upper

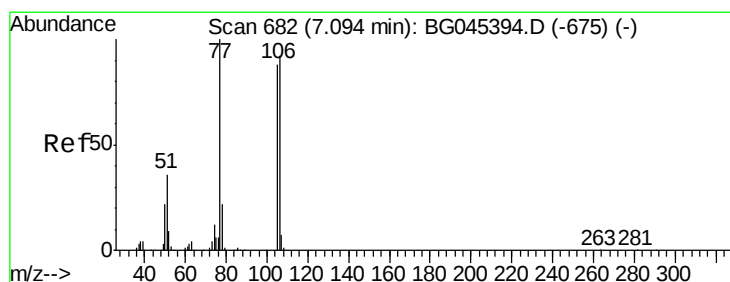
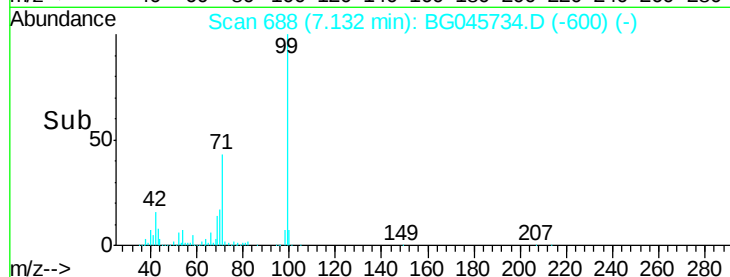
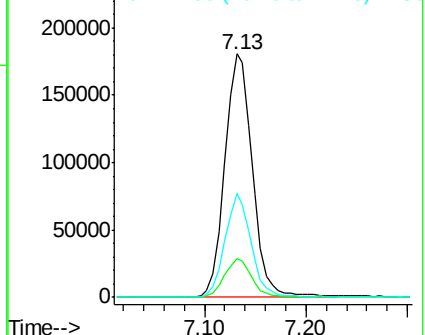
99 100

42 15.8 11.3 16.9

71 42.9 30.8 46.2



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



#9

Benzaldehyde

Concen: 3.536 ng

RT: 7.08 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

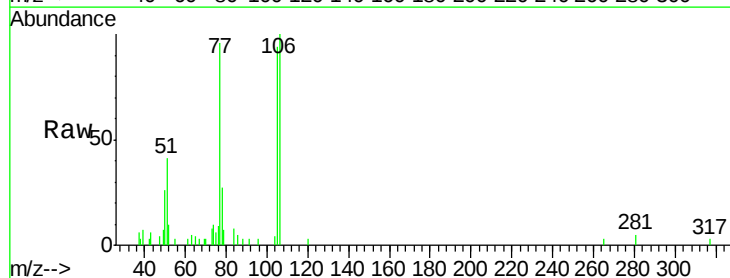
Tgt Ion: 77 Resp: 9598

Ion Ratio Lower Upper

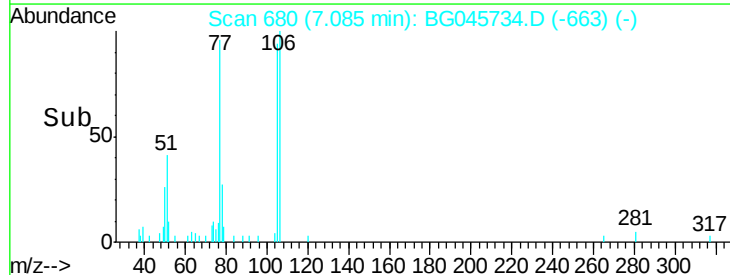
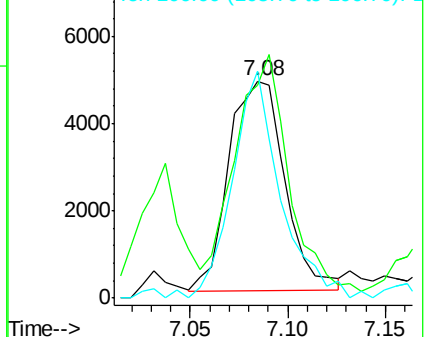
77 100

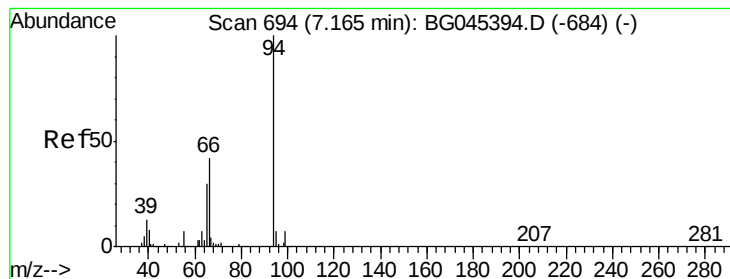
105 98.1 68.5 108.5

106 104.6 71.6 111.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 2.366 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

Instrument :

BNA_G

ClientSampleId :

MASON-BRICK-COMP-1

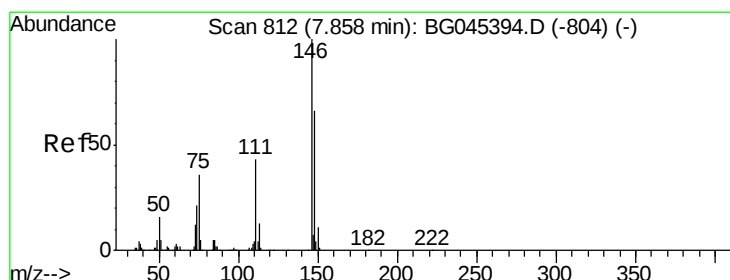
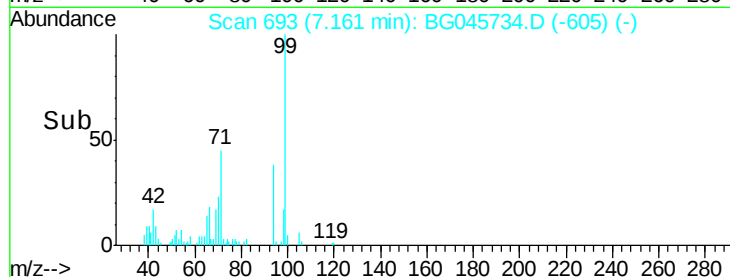
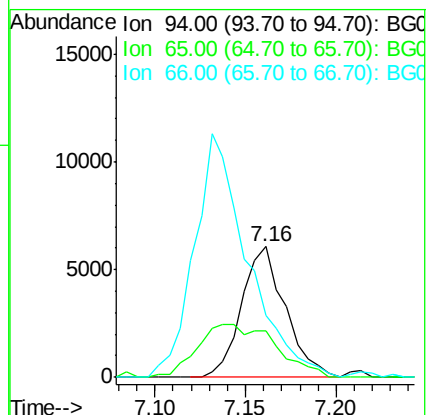
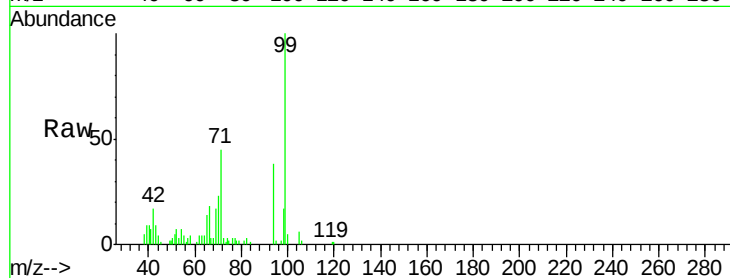
Tot Ion: 94 Resp: 10161

Ion Ratio Lower Upper

94 100

65 35.3 9.8 49.8

66 47.4 22.0 62.0



#12

1,3-Dichlorobenzene

Concen: 2.301 ng

RT: 7.98 min Scan# 833

Delta R.T. 0.14 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

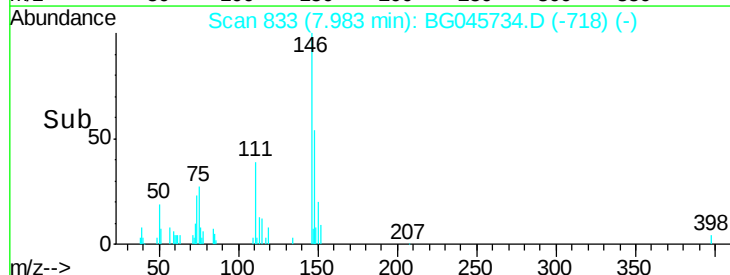
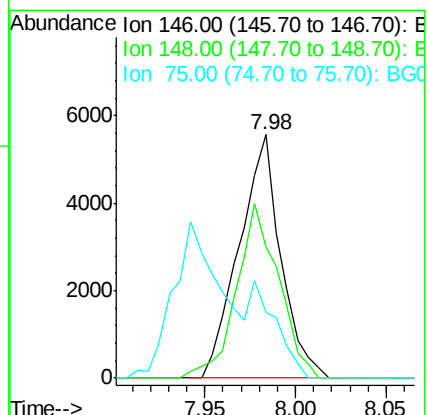
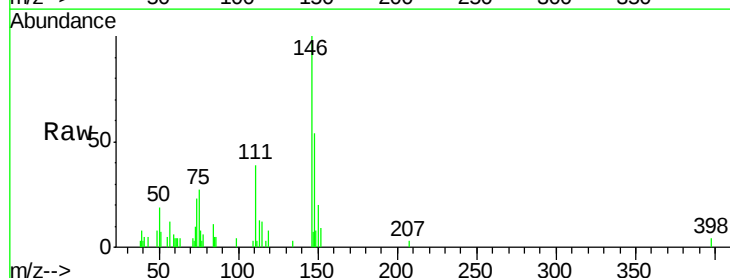
Tgt Ion: 146 Resp: 8876

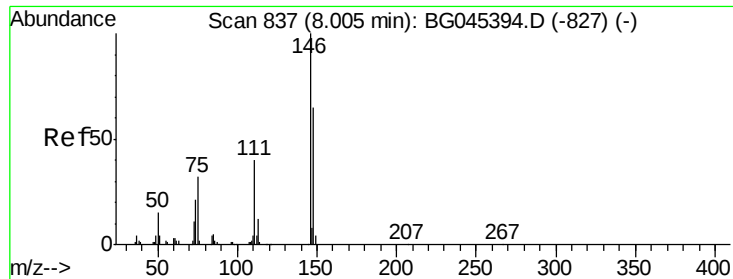
Ion Ratio Lower Upper

146 100

148 53.8 53.2 79.8

75 27.2 28.6 43.0#

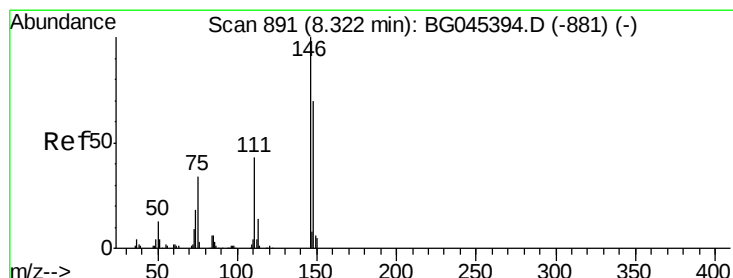
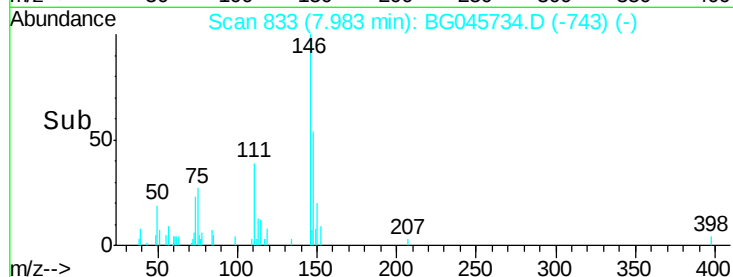
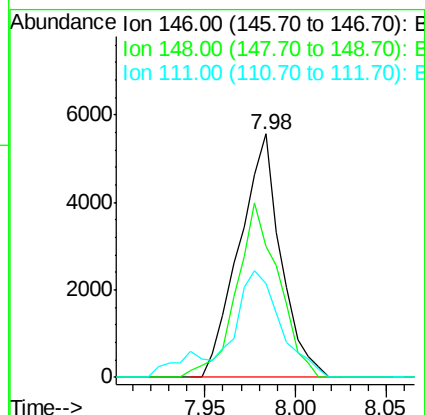
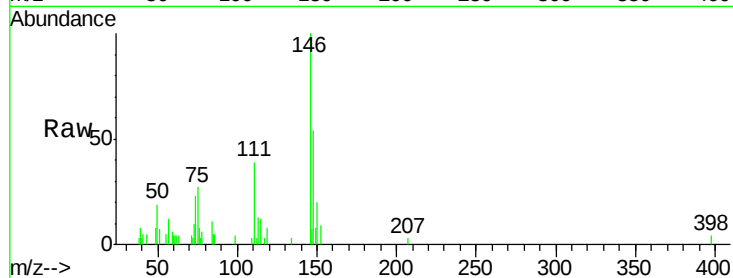




#13
 1,4-Dichlorobenzene
 Concen: 2.331 ng
 RT: 7.98 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BG045734.D
 Acq: 11 Jun 2020 23:40

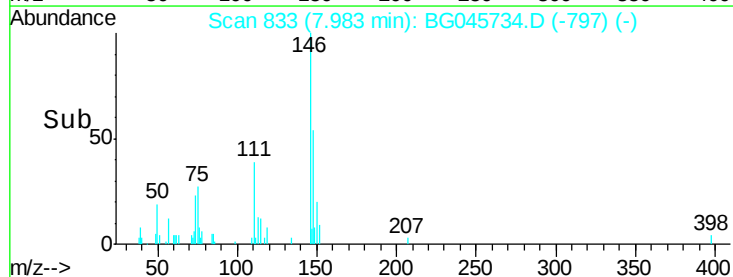
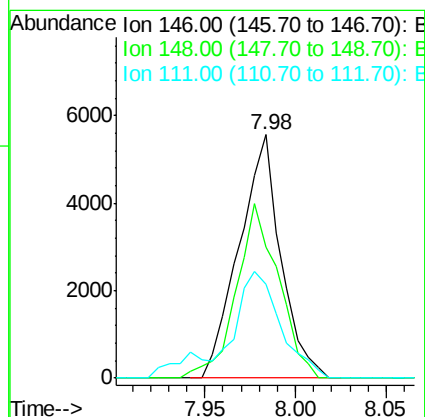
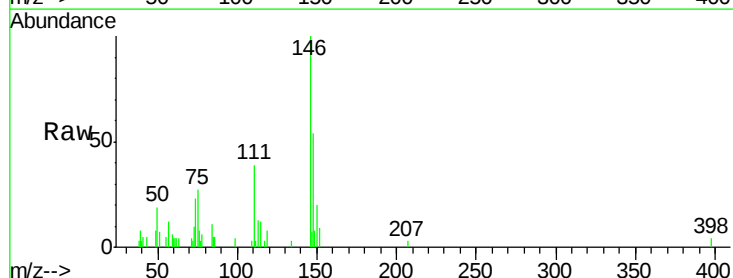
Instrument :
 BNA_G
 ClientSampleId :
 MASON-BRICK-COMP-1

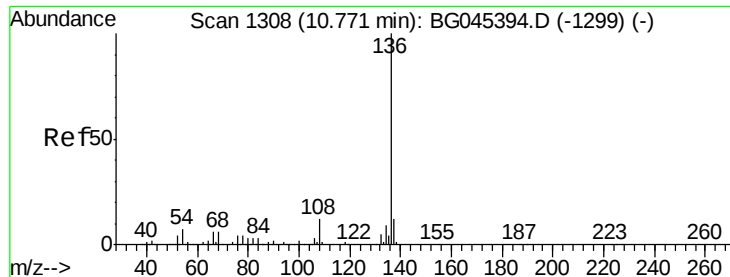
Tot Ion:146 Resp: 8876
 Ion Ratio Lower Upper
 146 100
 148 53.8 51.8 77.8
 111 38.5 32.1 48.1



#14
 1,2-Dichlorobenzene
 Concen: 2.424 ng
 RT: 7.98 min Scan# 833
 Delta R.T. -0.32 min
 Lab File: BG045734.D
 Acq: 11 Jun 2020 23:40

Tgt Ion:146 Resp: 8876
 Ion Ratio Lower Upper
 146 100
 148 53.8 55.9 83.9#
 111 38.5 35.0 52.4

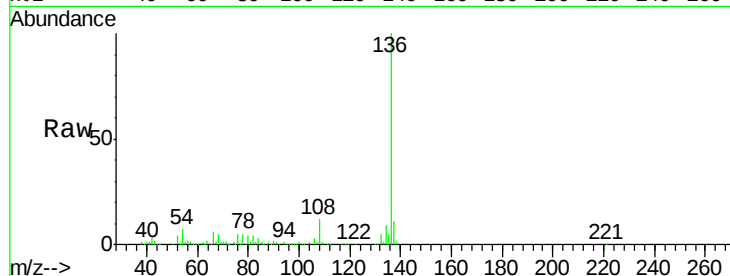




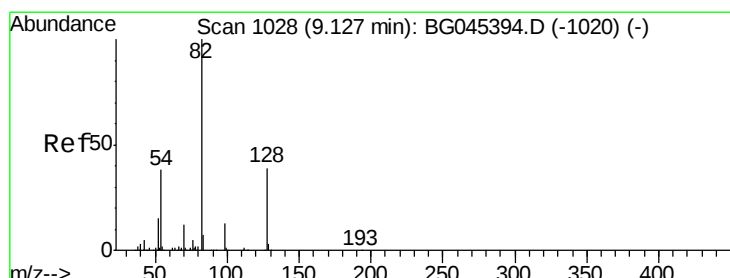
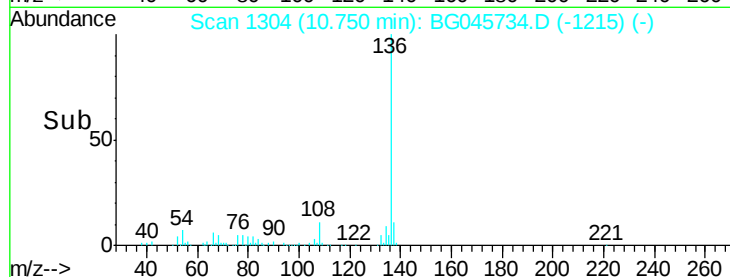
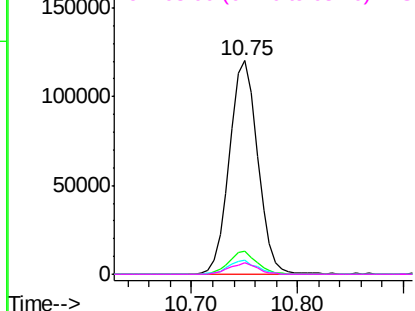
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG045734.D
Acq: 11 Jun 2020 23:40

Instrument :
BNA_G
ClientSampleId :
MASON-BRICK-COMP-1

Tot Ion:136	Resp:	222875
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.4	14.2
54 6.6	5.8	8.6
68 5.3	4.5	6.7

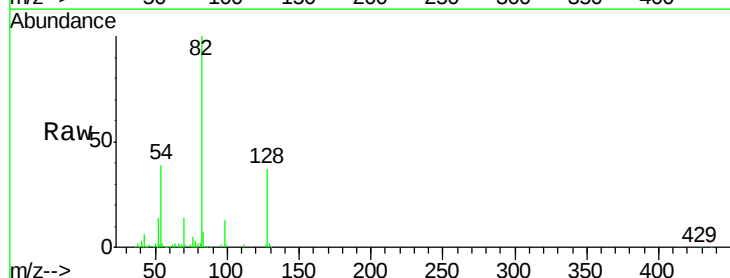


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

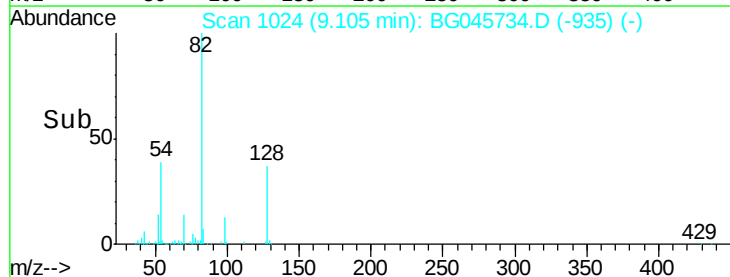
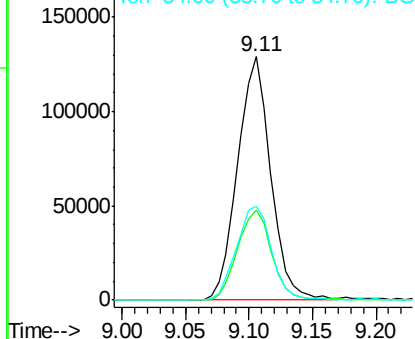


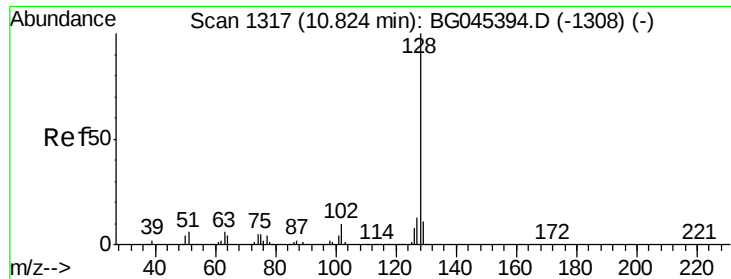
#23
Nitrobenzene-d5
Concen: 57.323 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG045734.D
Acq: 11 Jun 2020 23:40

Tgt	Ion: 82	Resp:	234283
Ion	Ratio	Lower	Upper
82	100		
128	37.2	30.9	46.3
54	38.7	30.3	45.5



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

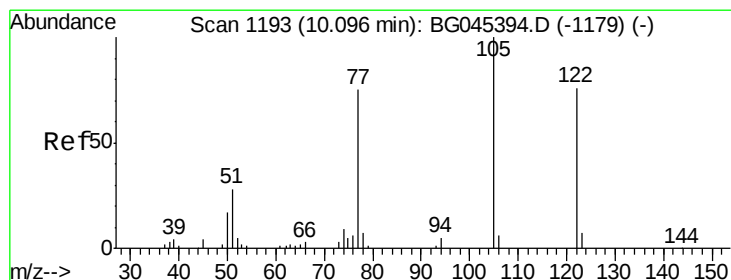
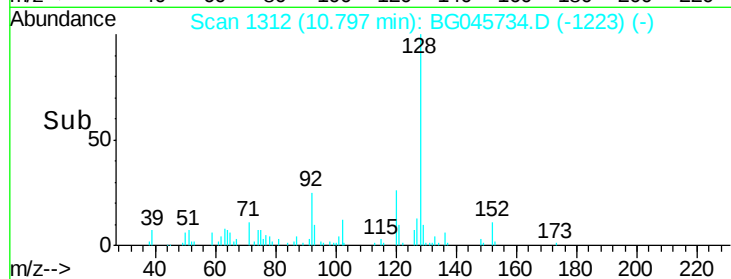
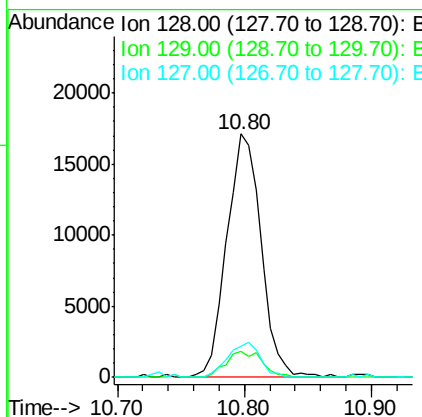
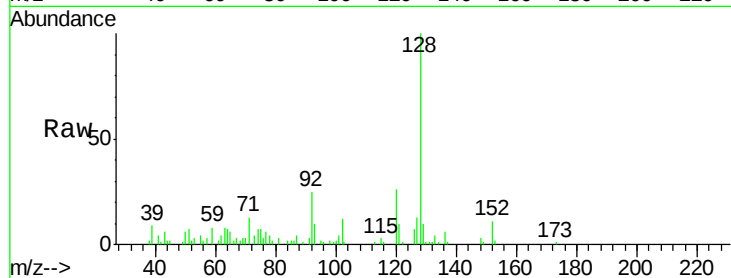




#31
Naphthalene
Concen: 3.092 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BG045734.D
Acq: 11 Jun 2020 23:40

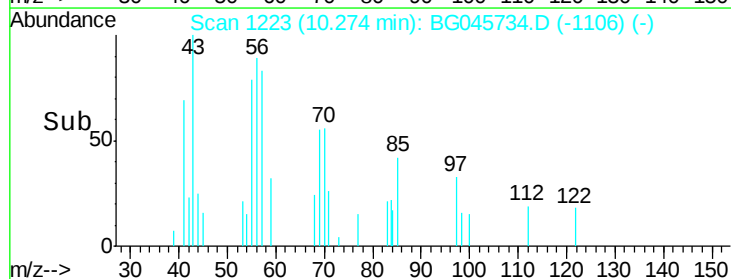
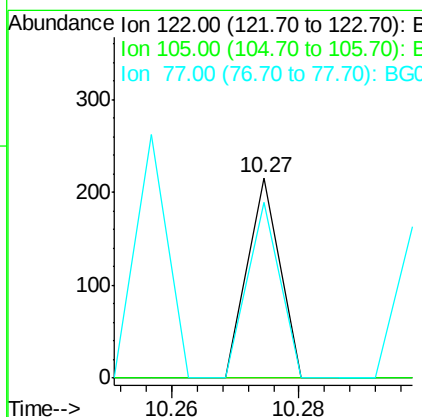
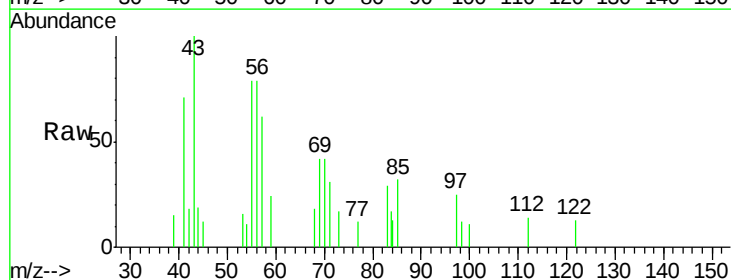
Instrument :
BNA_G
ClientSampleId :
MASON-BRICK-COMP-1

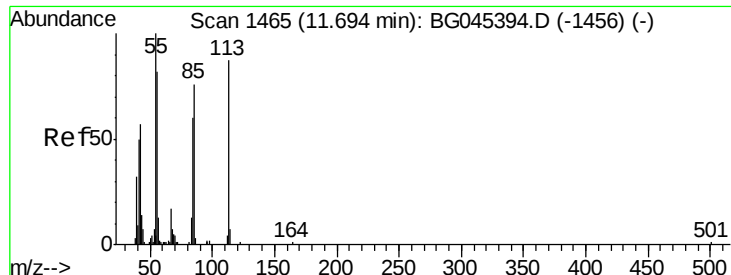
Tot Ion:128 Resp: 32110
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 12.9 10.7 16.1



#32
Benzoic acid
Concen: 10.054 ng
RT: 10.27 min Scan# 1223
Delta R.T. 0.16 min
Lab File: BG045734.D
Acq: 11 Jun 2020 23:40

Tgt Ion:122 Resp: 76
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 87.5 78.9 118.9





#35

Caprolactam

Concen: 2.671 ng

RT: 11.66 min Scan# 1459

Delta R.T. -0.03 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

Instrument :

BNA_G

ClientSampleId :

MASON-BRICK-COMP-1

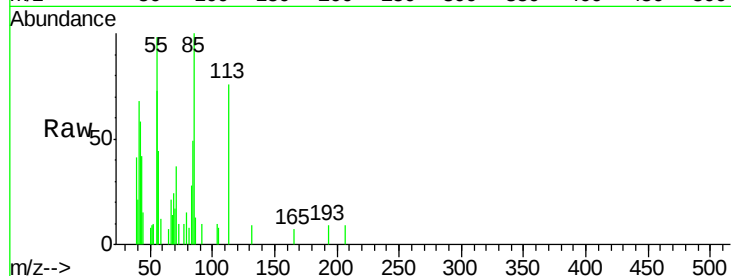
Tot Ion:113 Resp: 3216

Ion Ratio Lower Upper

113 100

55 128.8 96.0 136.0

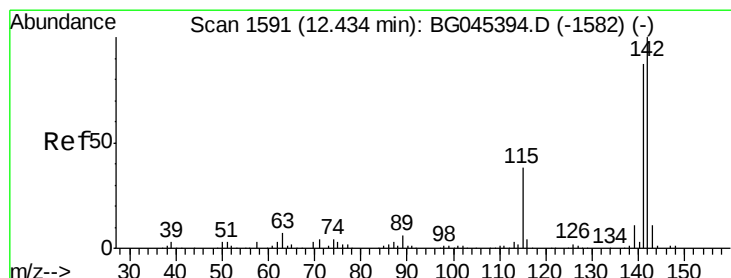
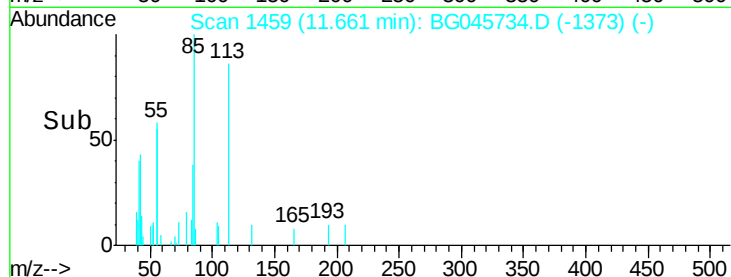
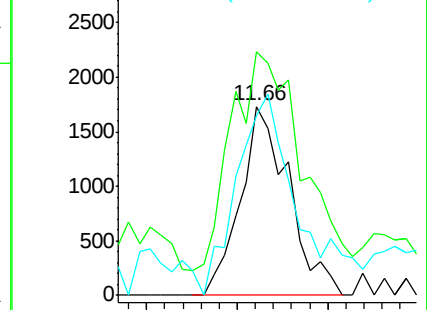
56 95.3 75.1 115.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#37

2-Methylnaphthalene

Concen: 2.521 ng

RT: 12.41 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

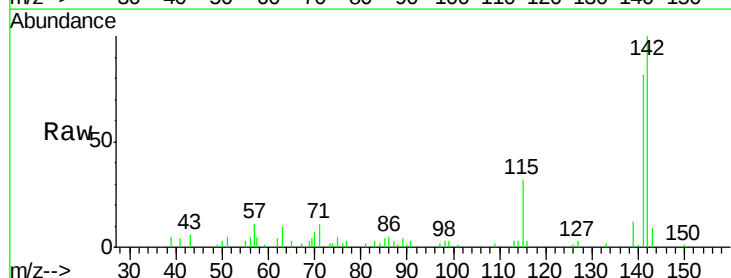
Tgt Ion:142 Resp: 19512

Ion Ratio Lower Upper

142 100

141 82.1 70.0 105.0

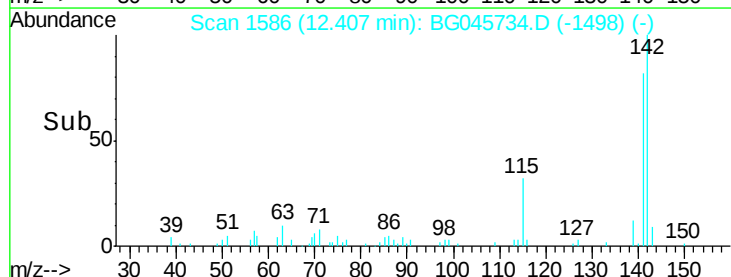
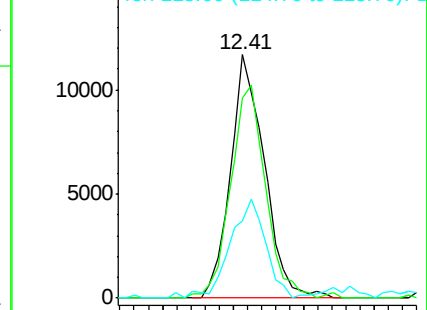
115 31.7 30.8 46.2

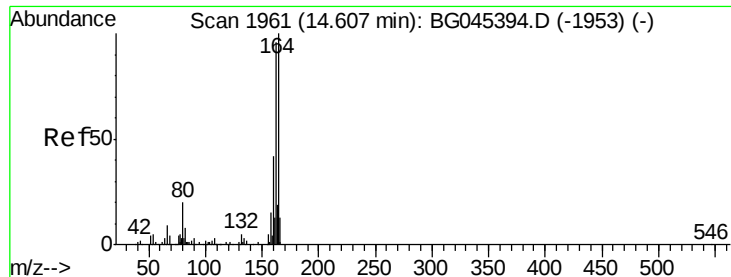


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

Instrument :

BNA_G

ClientSampleId :

MASON-BRICK-COMP-1

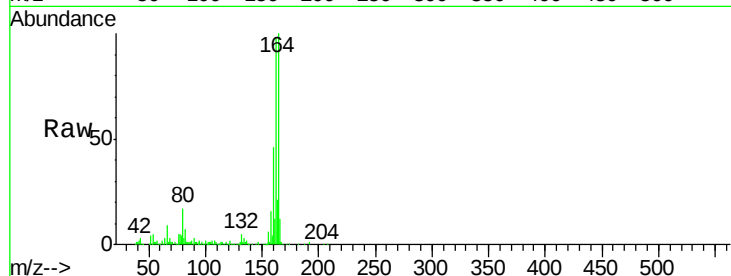
Tot Ion:164 Resp: 144930

Ion Ratio Lower Upper

164 100

162 98.1 76.9 115.3

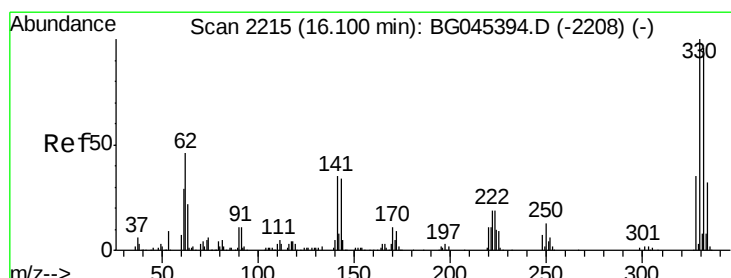
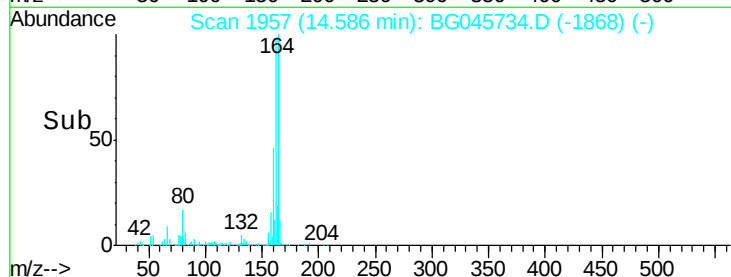
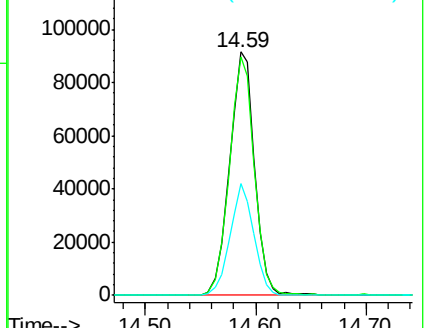
160 45.7 33.8 50.8



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: 69.709 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

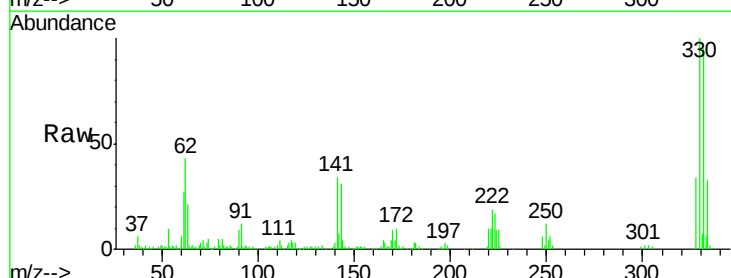
Tgt Ion:330 Resp: 129205

Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.4

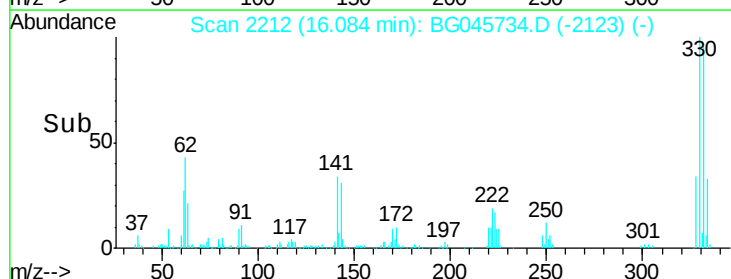
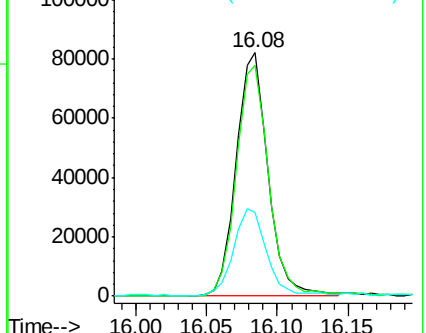
141 37.7 28.2 42.4

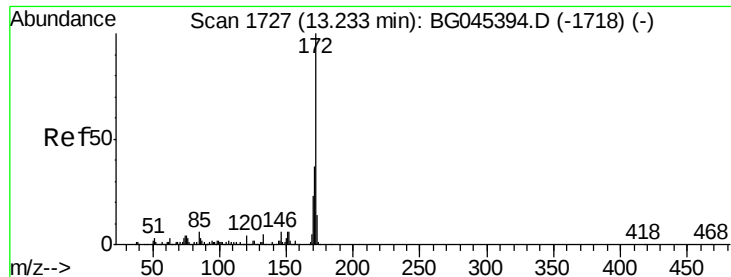


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

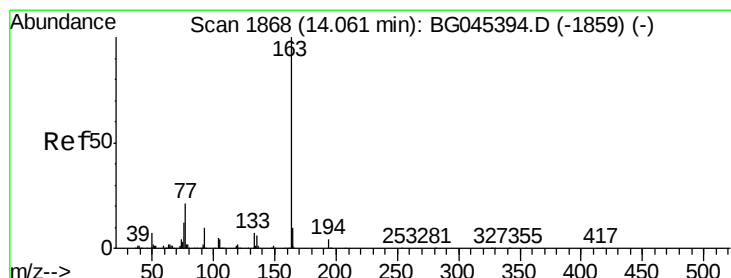
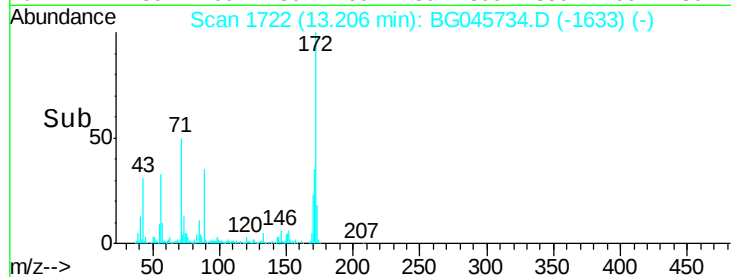
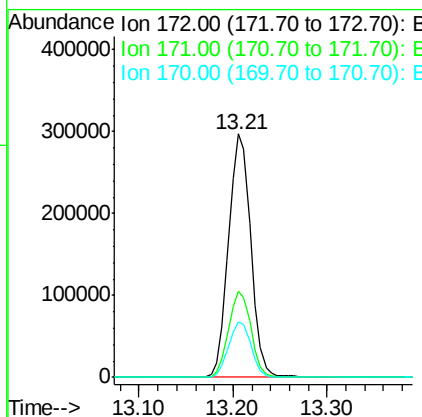
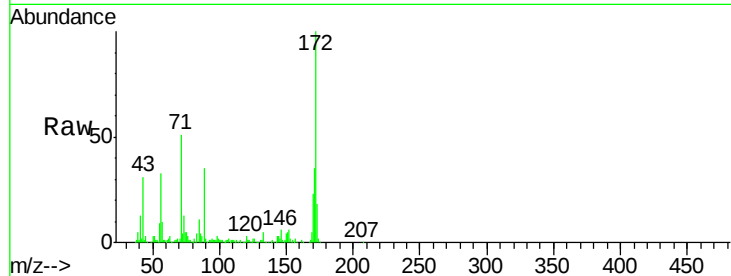




#45
 2-Fluorobiphenyl
 Concen: 57.325 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG045734.D
 Acq: 11 Jun 2020 23:40

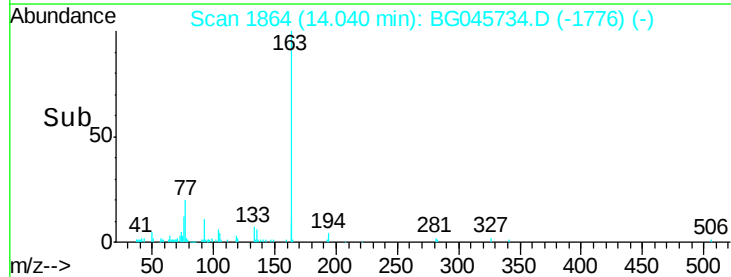
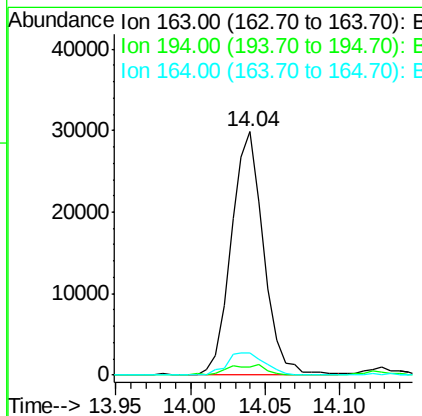
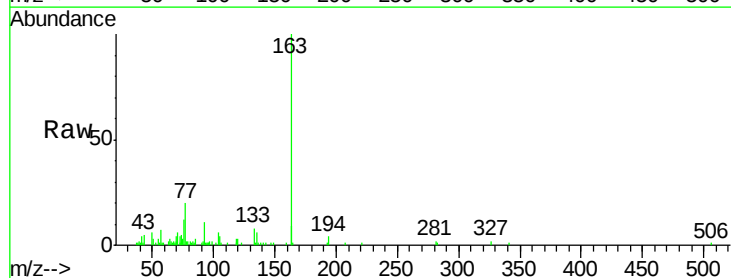
Instrument :
 BNA_G
 ClientSampleId :
 MASON-BRICK-COMP-1

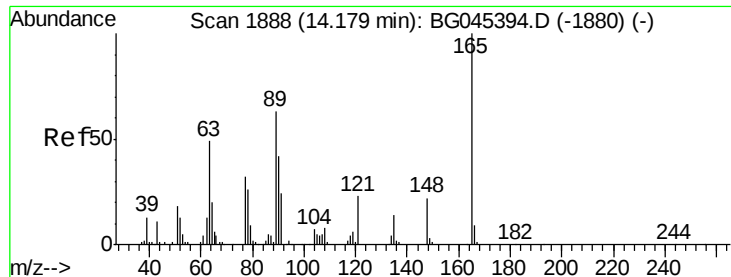
Tot Ion:172 Resp: 489809
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.5 44.3
 170 22.6 18.5 27.7



#50
 Dimethylphthalate
 Concen: 4.542 ng
 RT: 14.04 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BG045734.D
 Acq: 11 Jun 2020 23:40

Tgt Ion:163 Resp: 45156
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.2 4.8
 164 9.3 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 5.995 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.04 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

Instrument :

BNA_G

ClientSampleId :

MASON-BRICK-COMP-1

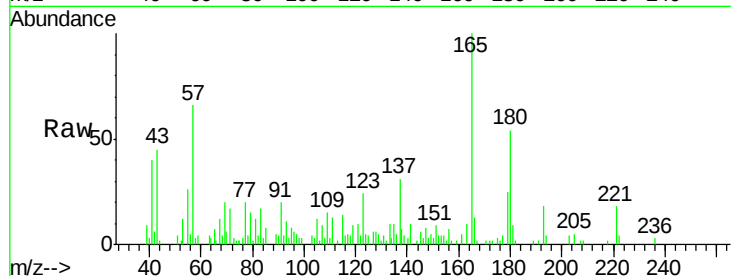
Tot Ion:165 Resp: 13449

Ion Ratio Lower Upper

165 100

63 4.0 45.0 67.4#

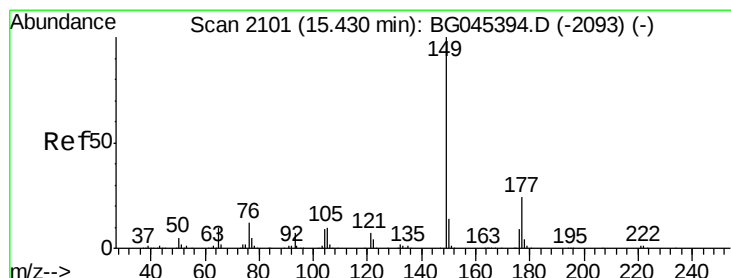
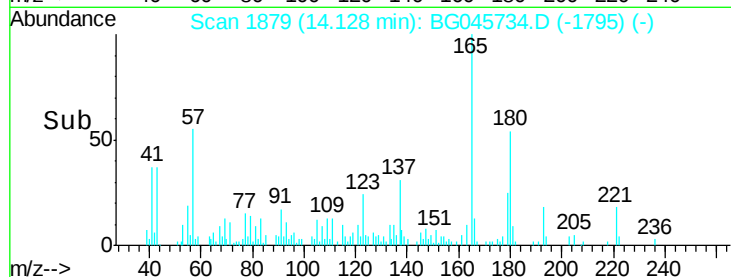
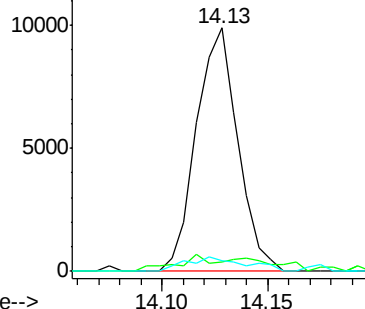
89 4.6 50.2 75.4#



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



#60

Diethylphthalate

Concen: 4.732 ng

RT: 15.40 min Scan# 2096

Delta R.T. -0.02 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

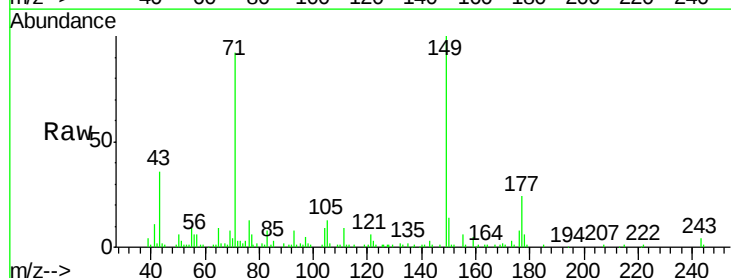
Tgt Ion:149 Resp: 48967

Ion Ratio Lower Upper

149 100

177 24.2 19.0 28.4

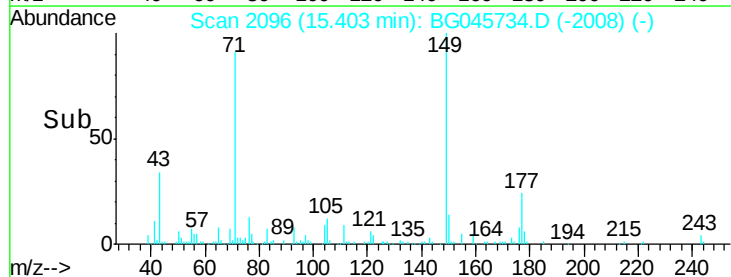
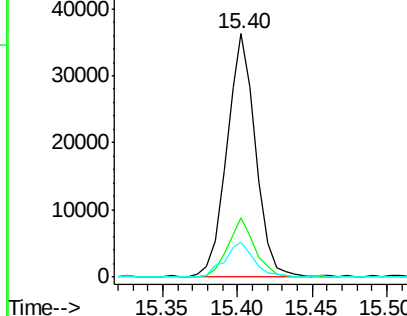
150 14.2 11.4 17.0

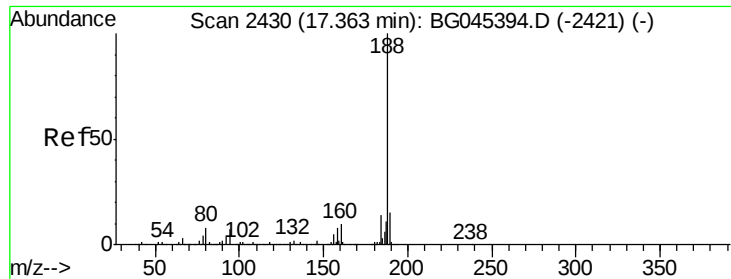


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

Instrument :

BNA_G

ClientSampleId :

MASON-BRICK-COMP-1

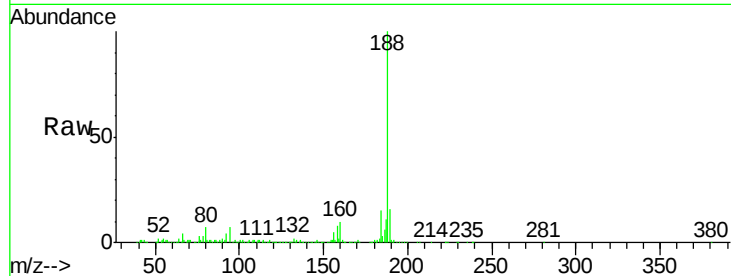
Tot Ion:188 Resp: 301422

Ion Ratio Lower Upper

188 100

94 6.7 5.5 8.3

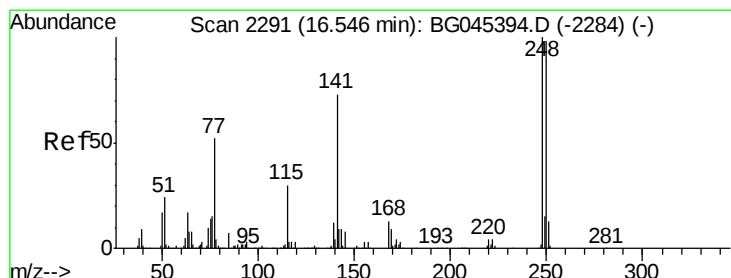
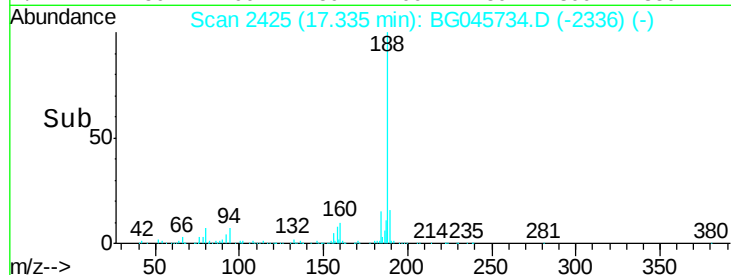
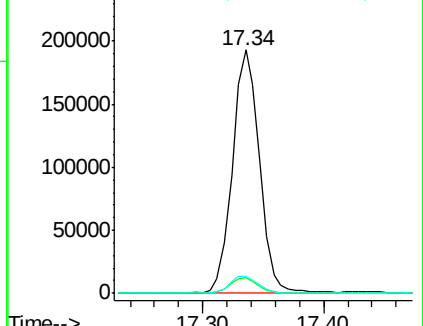
80 7.0 6.6 10.0



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



#67

4-Bromophenyl-phenylether

Concen: 2.682 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.46 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

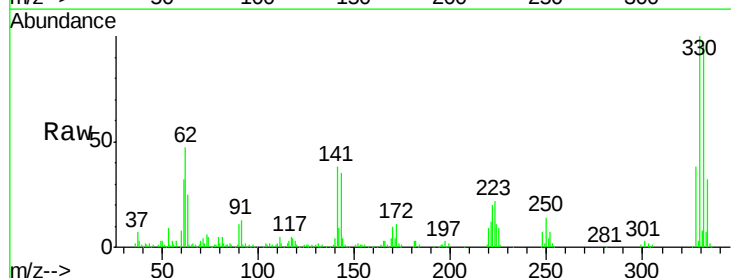
Tgt Ion:248 Resp: 8754

Ion Ratio Lower Upper

248 100

250 191.3 78.6 117.8#

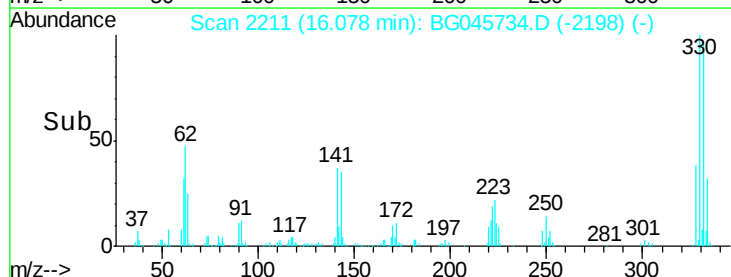
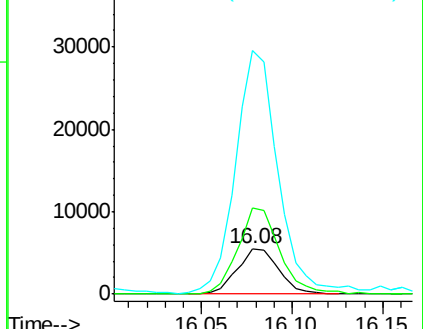
141 536.8 58.2 87.2#

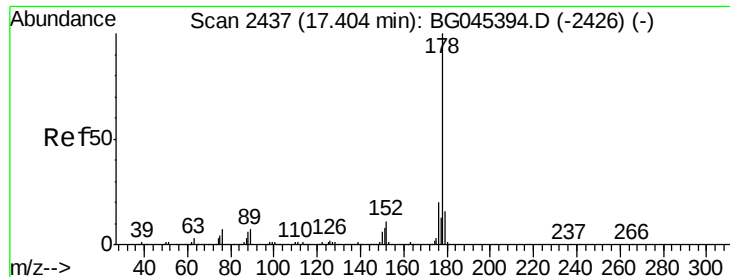


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.090 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

Instrument :

BNA_G

ClientSampleId :

MASON-BRICK-COMP-1

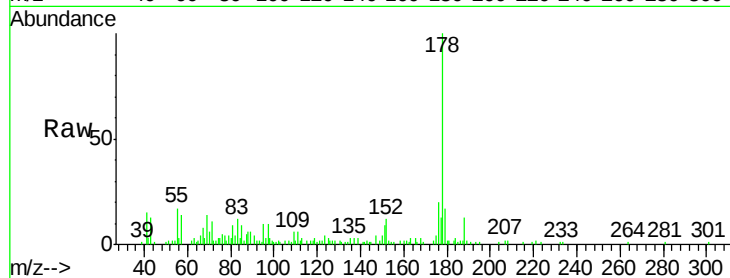
Tot Ion:178 Resp: 27505

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

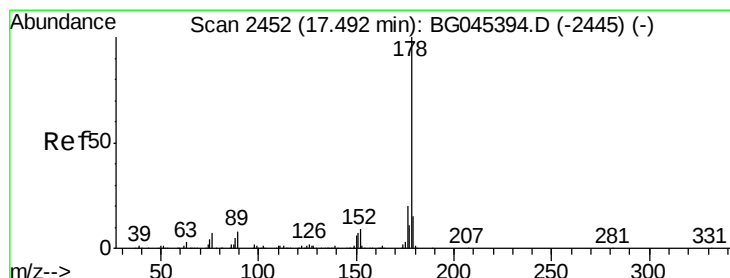
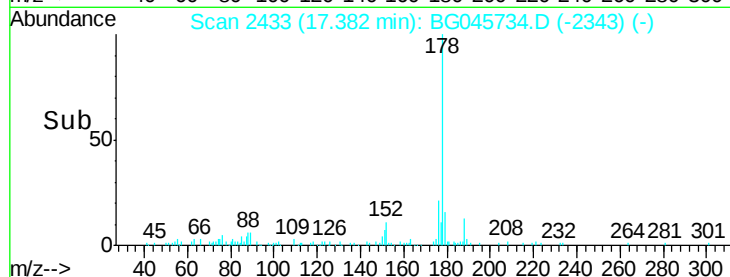
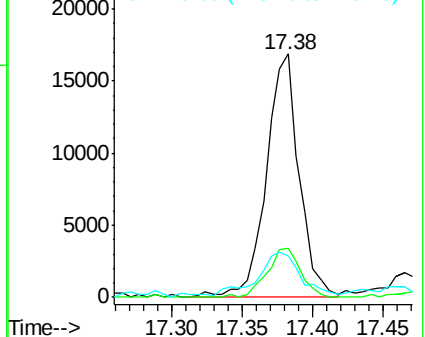
179 17.2 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.081 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.10 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

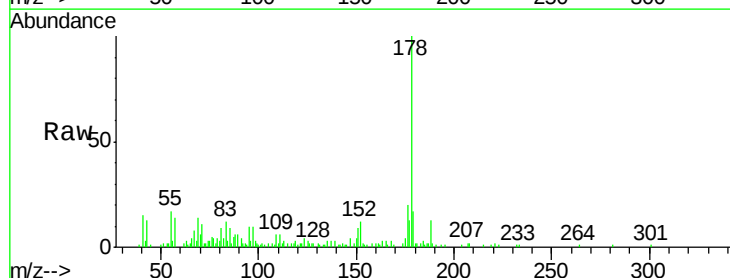
Tgt Ion:178 Resp: 27505

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.6

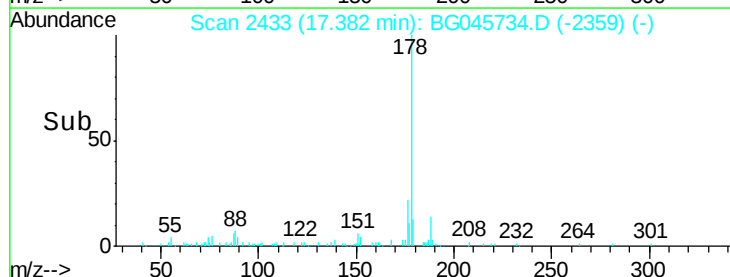
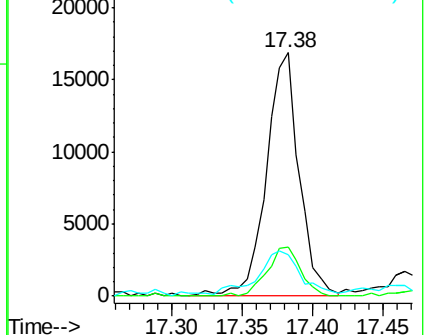
179 17.2 12.2 18.4

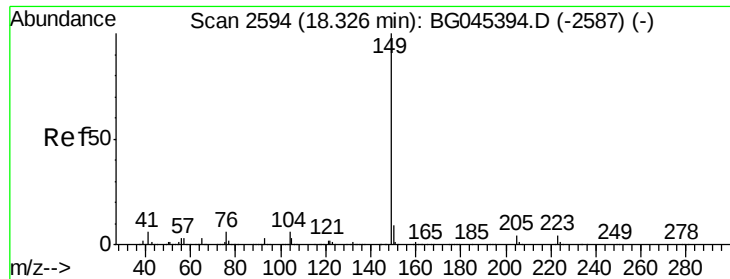


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 3.283 ng

RT: 18.30 min Scan# 2589

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

Instrument :

BNA_G

ClientSampleId :

MASON-BRICK-COMP-1

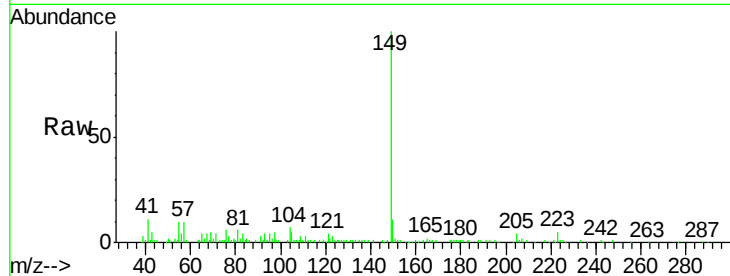
Tot Ion:149 Resp: 50754

Ion Ratio Lower Upper

149 100

150 11.4 7.6 11.4

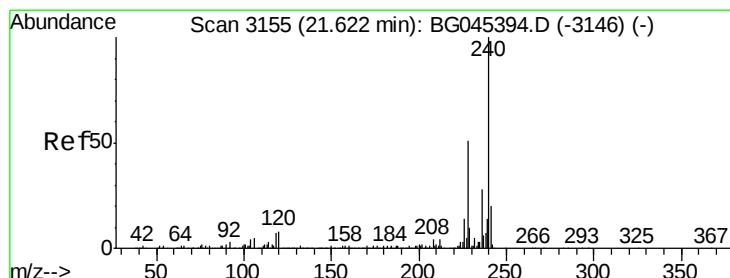
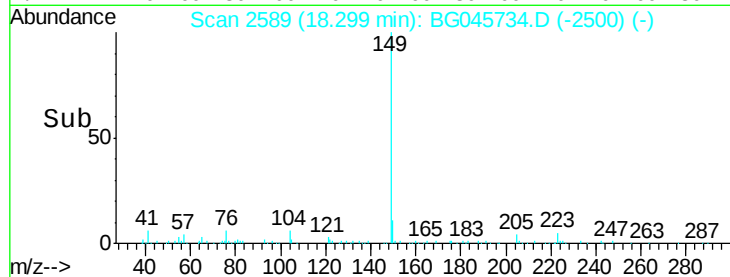
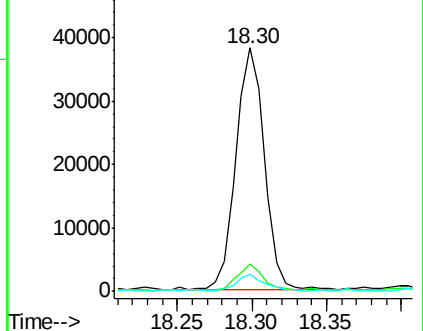
104 7.0 5.0 7.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.59 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

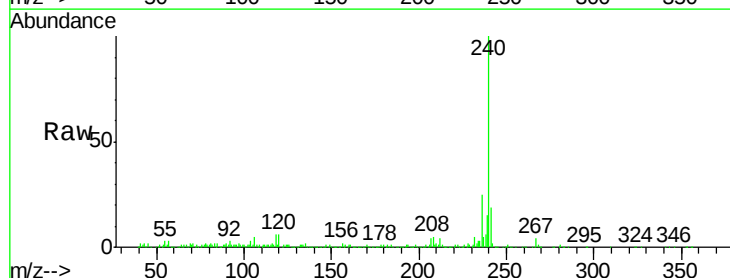
Tgt Ion:240 Resp: 295487

Ion Ratio Lower Upper

240 100

120 6.1 6.1 9.1#

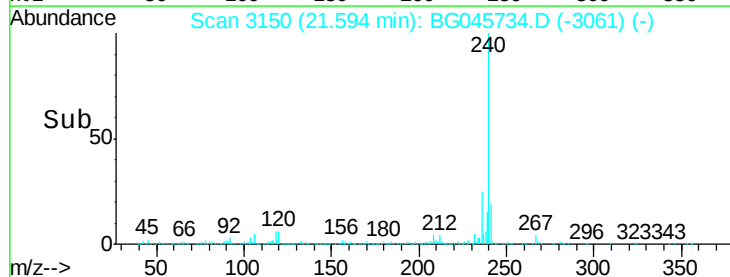
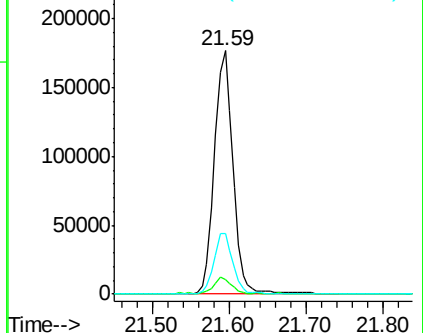
236 25.0 22.3 33.5

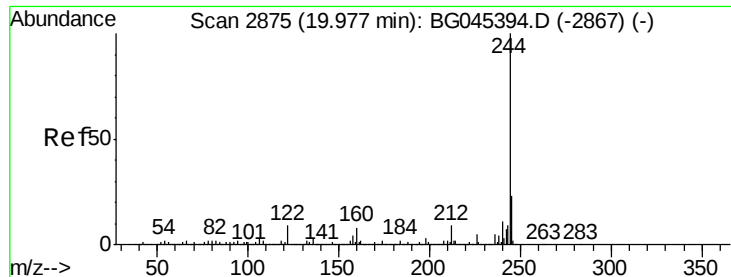


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 60.535 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

Instrument :

BNA_G

ClientSampleId :

MASON-BRICK-COMP-1

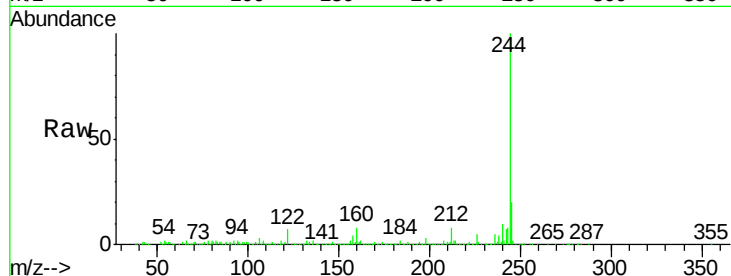
Tot Ion:244 Resp: 766939

Ion Ratio Lower Upper

244 100

212 8.3 7.4 11.0

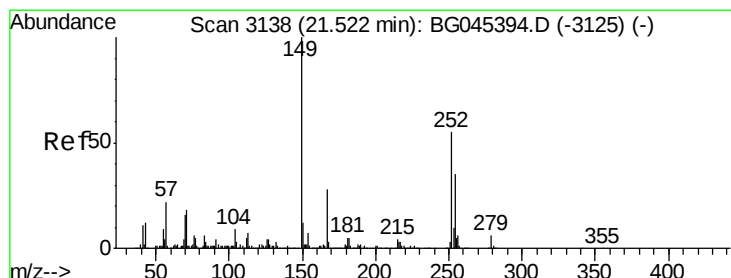
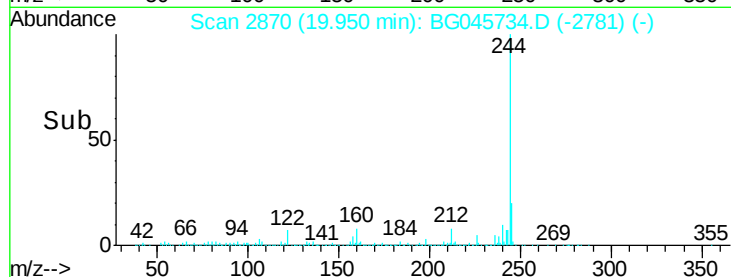
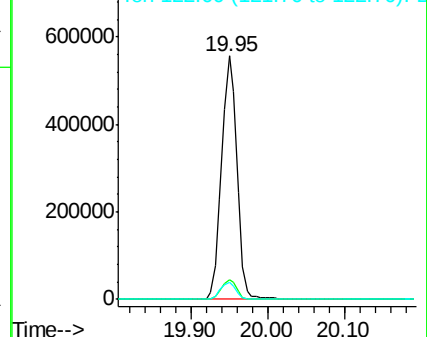
122 7.2 6.8 10.2



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.111 ng

RT: 21.49 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BG045734.D

Acq: 11 Jun 2020 23:40

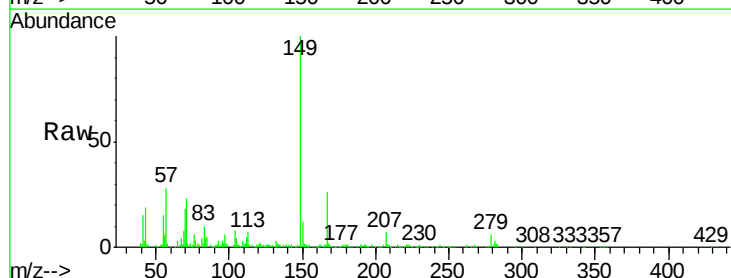
Tgt Ion:149 Resp: 101050

Ion Ratio Lower Upper

149 100

167 26.1 22.2 33.2

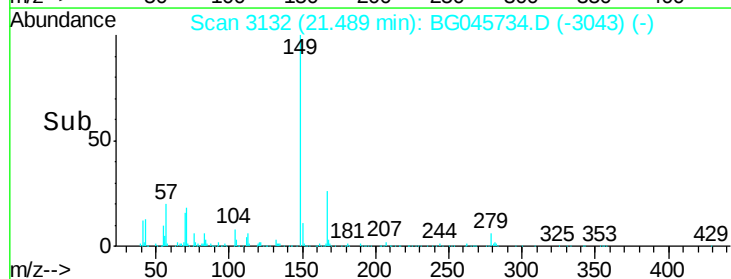
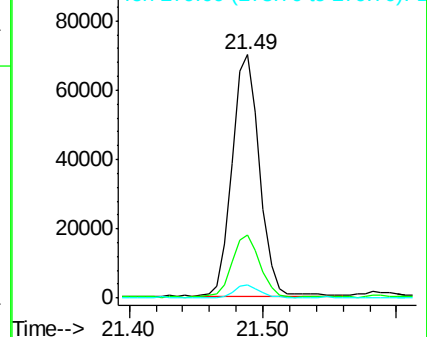
279 5.7 4.7 7.1

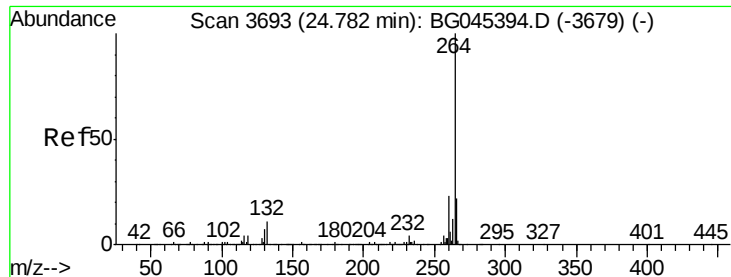


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.74 min Scan# 3685
 Delta R.T. -0.02 min
 Lab File: BG045734.D
 Acq: 11 Jun 2020 23:40

Instrument :
 BNA_G
 ClientSampleId :
 MASON-BRICK-COMP-1

Tot Ion:	264	Resp:	335977
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.4
265	21.1	17.6	26.4

