

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\
 Data File : BG043813.D
 Acq On : 12 Dec 2019 2:37
 Operator : JU
 Sample : K6245-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LIGHT-GREEN-BRICK

Quant Time: Dec 12 03:57:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

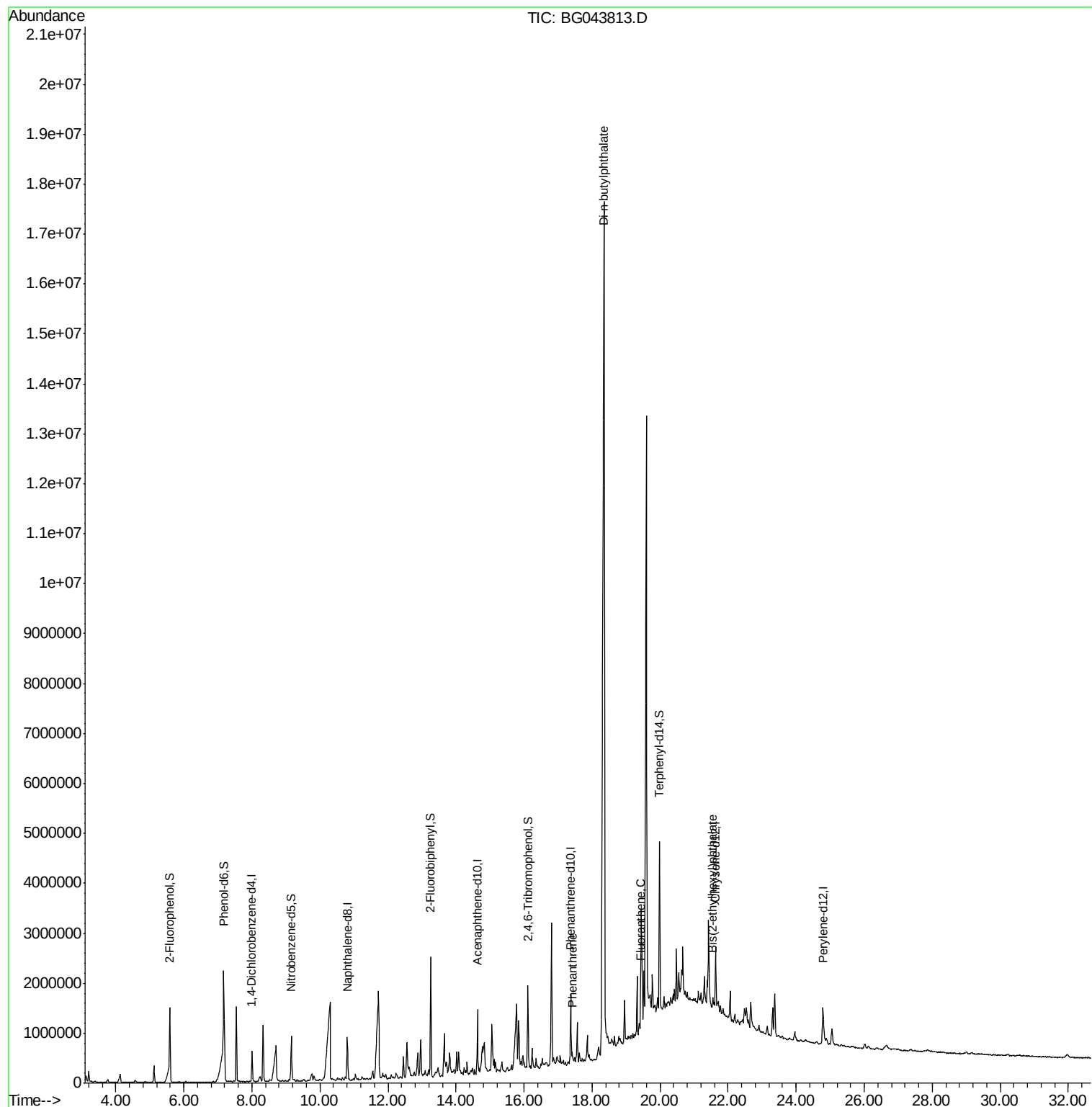
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	176964	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	728835	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	450486	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	856670	20.00	ng	0.00
76) Chrysene-d12	21.63	240	705130	20.00	ng	0.00
87) Perylene-d12	24.79	264	801149	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	635715	68.06	ng	0.01
7) Phenol-d6	7.17	99	911757	67.69	ng	0.02
23) Nitrobenzene-d5	9.16	82	566097	43.61	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	278146	64.76	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1186723	46.27	ng	0.00
79) Terphenyl-d14	19.99	244	1444637	49.29	ng	0.00
Target Compounds						
71) Phenanthrene	17.41	178	113083	2.788	ng	95
74) Di-n-butylphthalate	18.34	149	106724	2.481	ng	# 92
75) Fluoranthene	19.42	202	124664	2.686	ng	94
84) Bis(2-ethylhexyl)phthalate	21.54	149	79789	2.898	ng	100

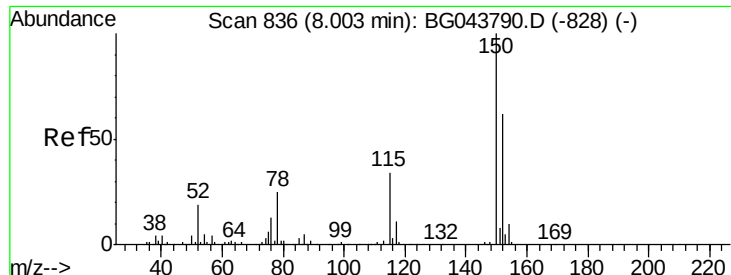
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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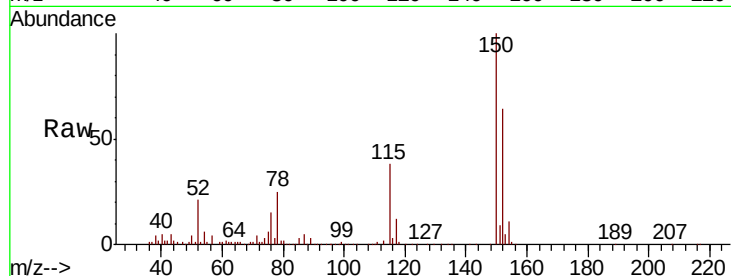


#1

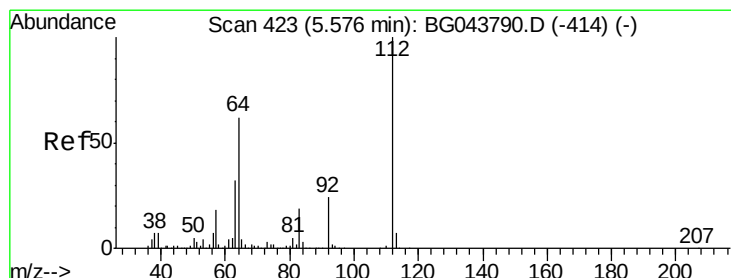
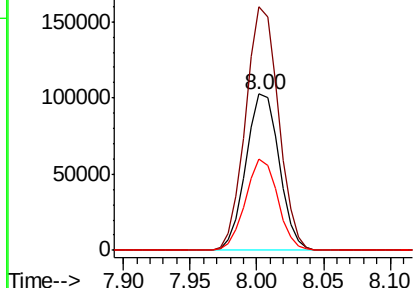
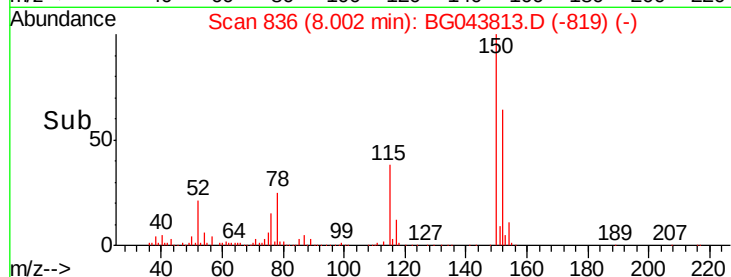
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Instrument :
BNA_G
ClientSampleId :
LIGHT-GREEN-BRICK

Tot Ion:152 Resp: 176964
Ion Ratio Lower Upper
152 100
150 156.1 128.6 192.8
115 58.9 44.3 66.5



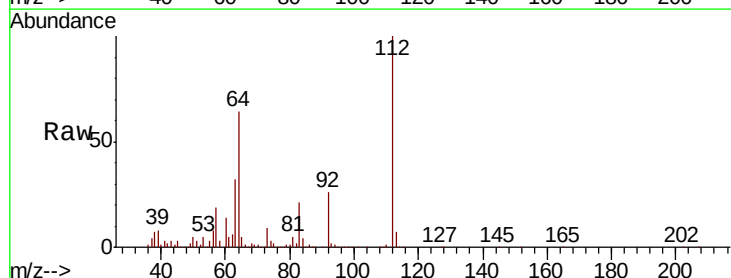
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



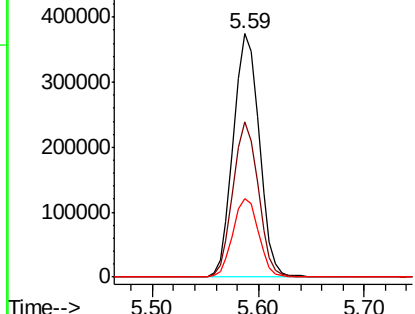
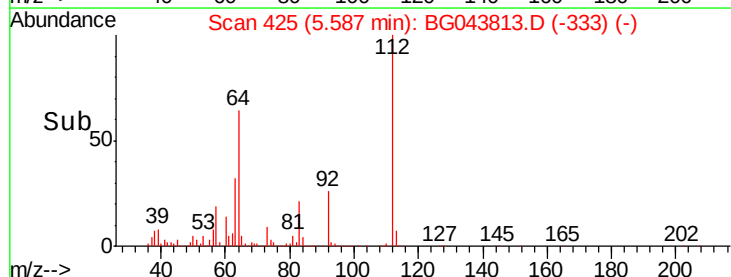
#5

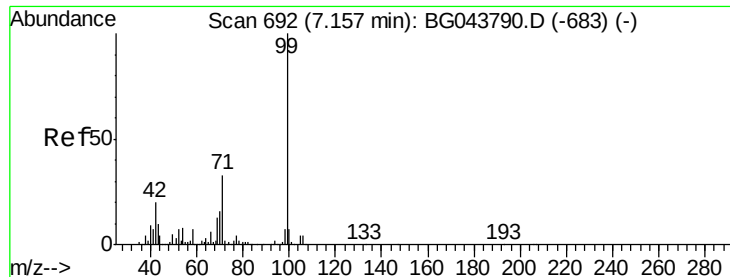
2-Fluorophenol
Concen: 68.065 ng
RT: 5.59 min Scan# 425
Delta R.T. 0.01 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Tgt Ion:112 Resp: 635715
Ion Ratio Lower Upper
112 100
64 63.9 49.9 74.9
63 32.4 26.0 39.0



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





#7

Phenol-d6

Concen: 67.689 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.02 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

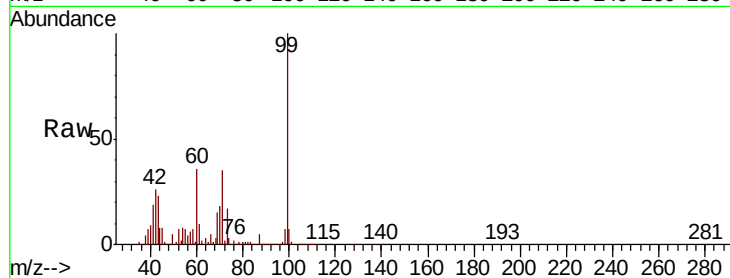
Tot Ion: 99 Resp: 911757

Ion Ratio Lower Upper

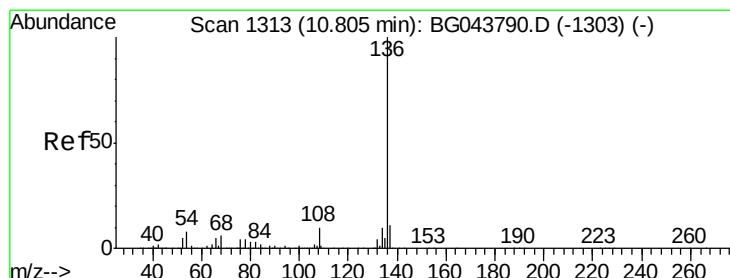
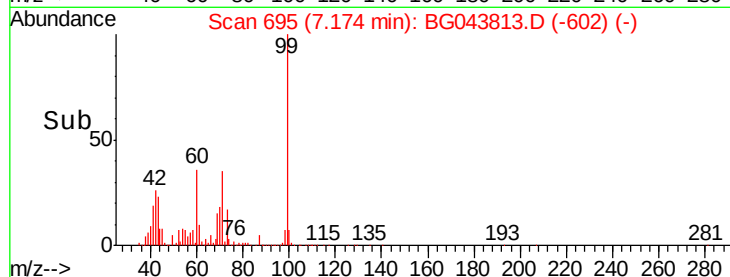
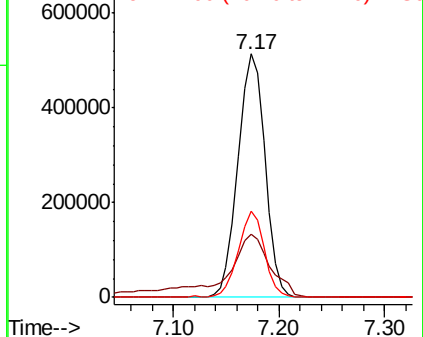
99 100

42 25.9 16.2 24.2#

71 35.4 26.6 40.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Tgt Ion: 136 Resp: 728835

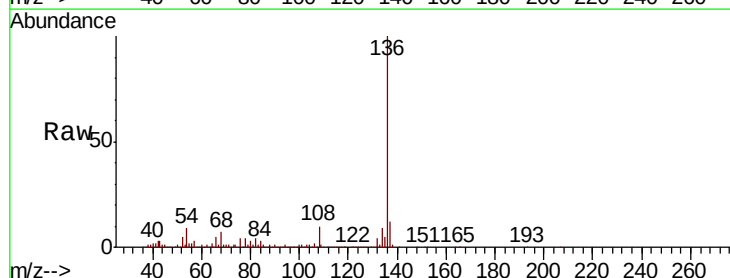
Ion Ratio Lower Upper

136 100

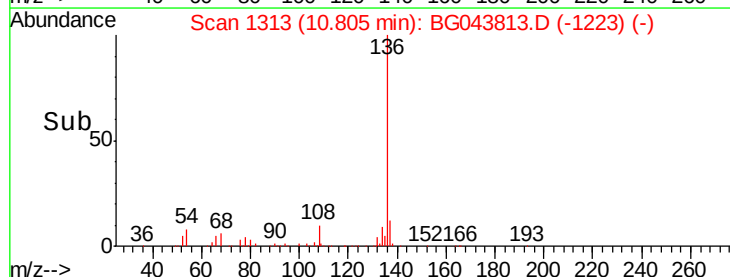
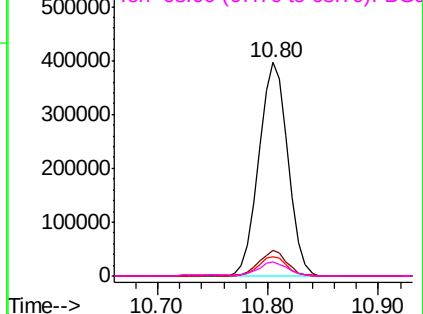
137 11.7 8.7 13.1

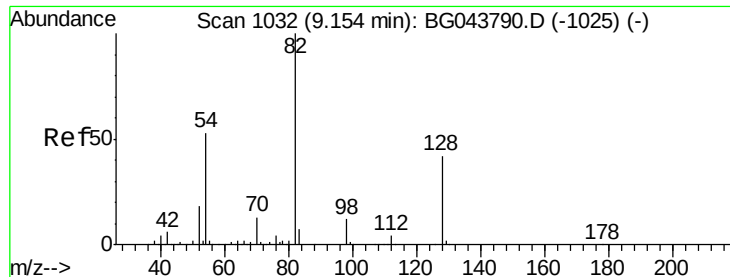
54 8.9 6.8 10.2

68 6.7 5.0 7.4



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

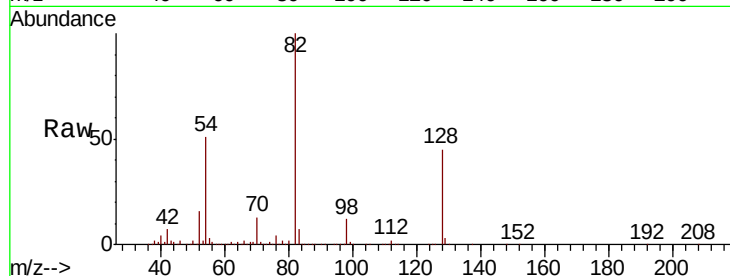




#23
Nitrobenzene-d5
Concen: 43.610 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Instrument :
BNA_G
ClientSampleId :
LIGHT-GREEN-BRICK

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	33.6	50.4
54	50.9	42.1	63.1

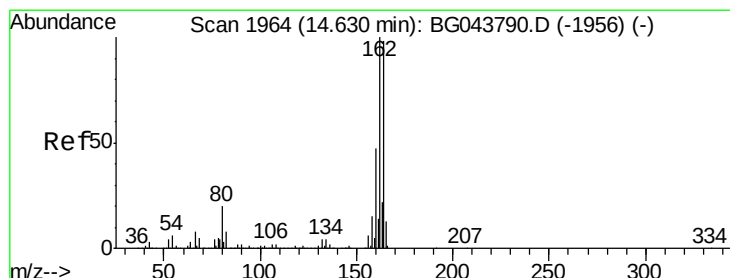
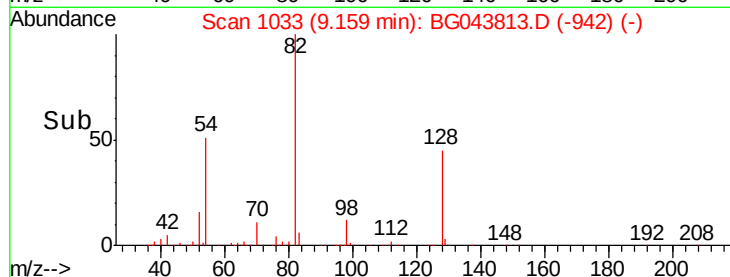
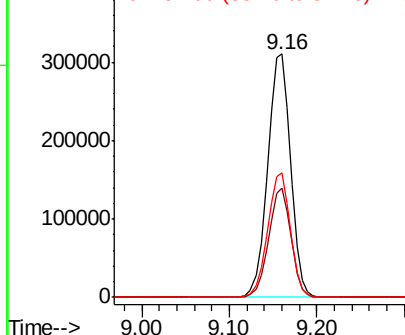


Abundance

Ion 82.00 (81.70 to 82.70): BGC

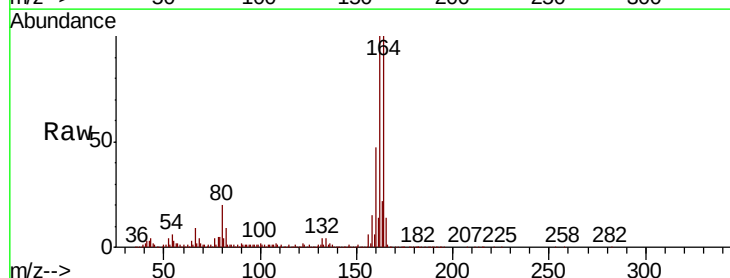
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.9	122.9
160	46.5	38.3	57.5

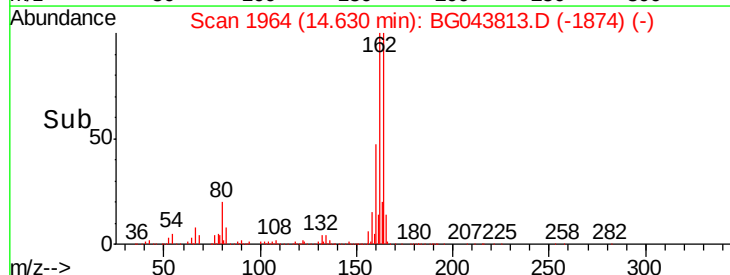
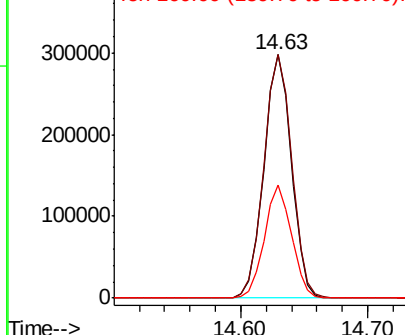


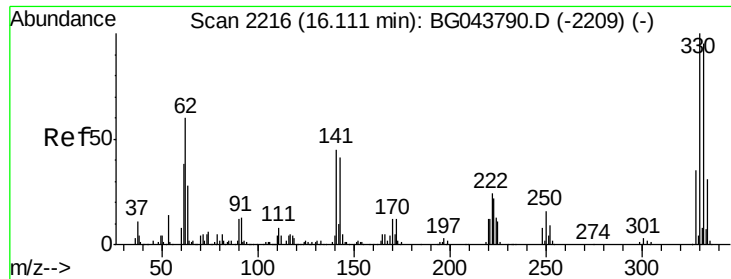
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 64.765 ng

RT: 16.12 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

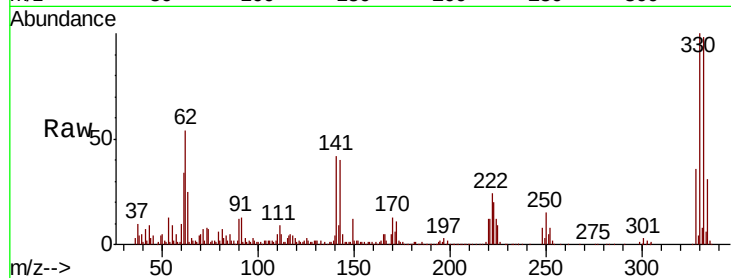
Tot Ion:330 Resp: 278146

Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

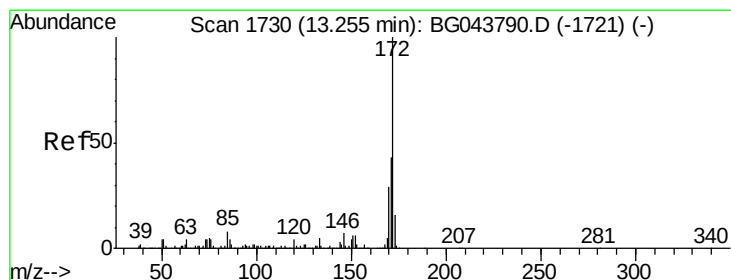
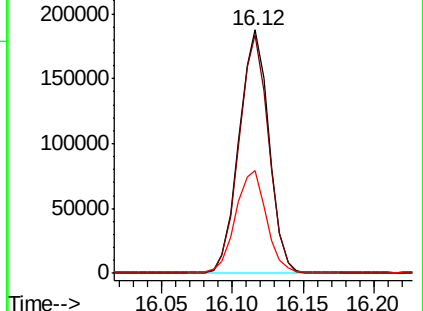
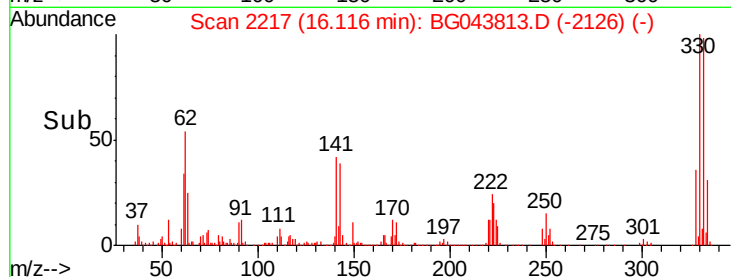
141 42.5 33.8 50.8



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: 46.274 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

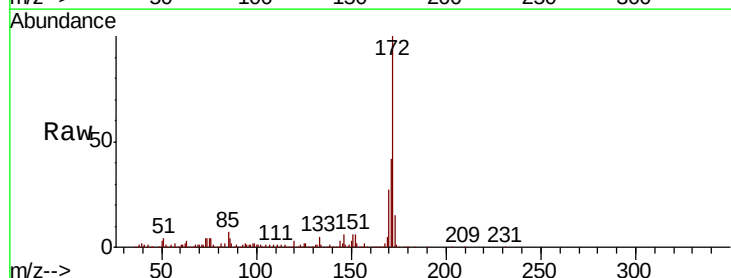
Tgt Ion:172 Resp: 1186723

Ion Ratio Lower Upper

172 100

171 42.0 34.6 51.8

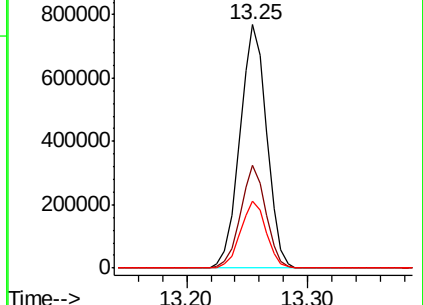
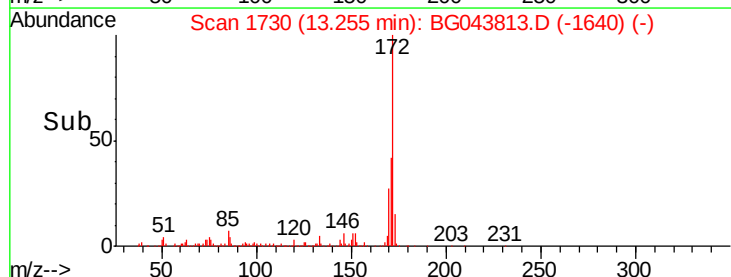
170 27.4 23.3 34.9

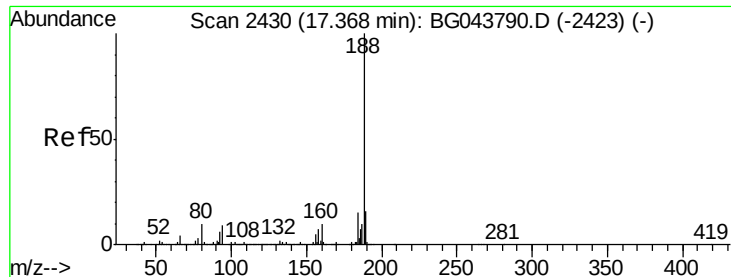


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

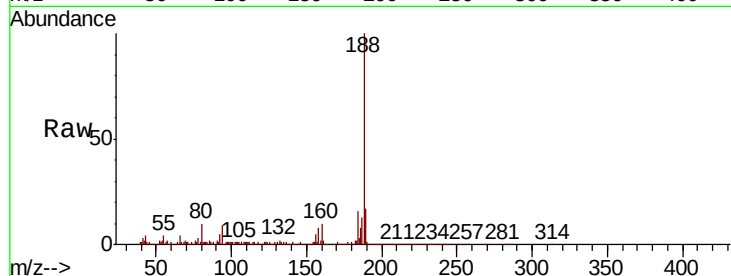
Tot Ion:188 Resp: 856670

Ion Ratio Lower Upper

188 100

94 9.2 6.9 10.3

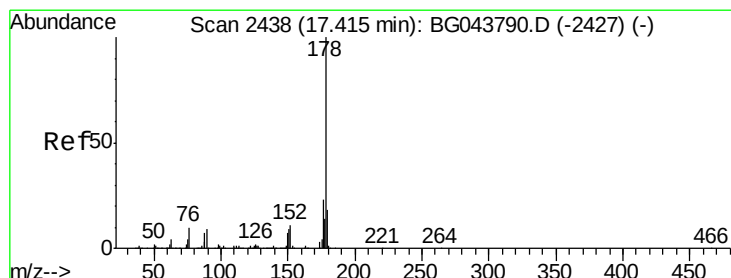
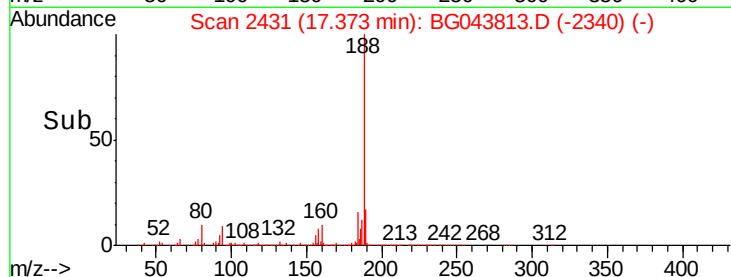
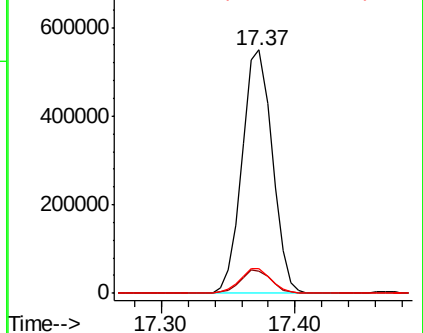
80 10.3 7.8 11.8



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



#71

Phenanthrene

Concen: 2.788 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

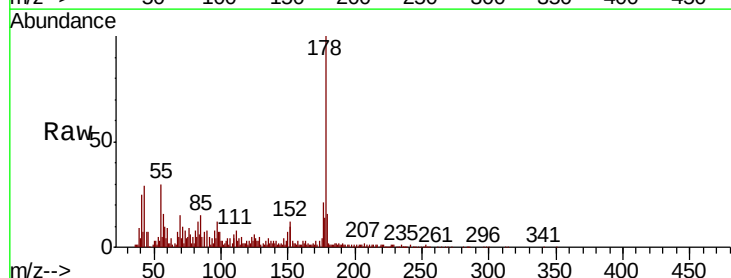
Tgt Ion:178 Resp: 113083

Ion Ratio Lower Upper

178 100

176 21.1 18.6 27.8

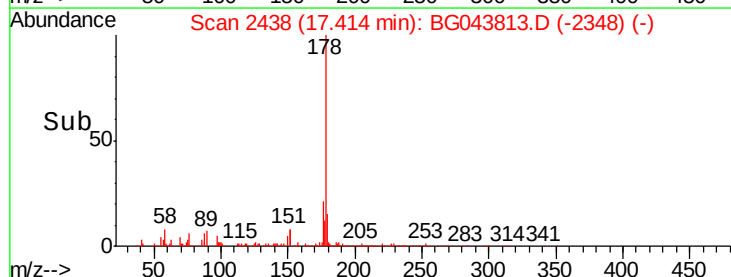
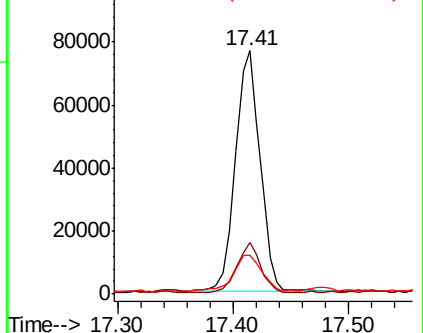
179 15.9 14.7 22.1

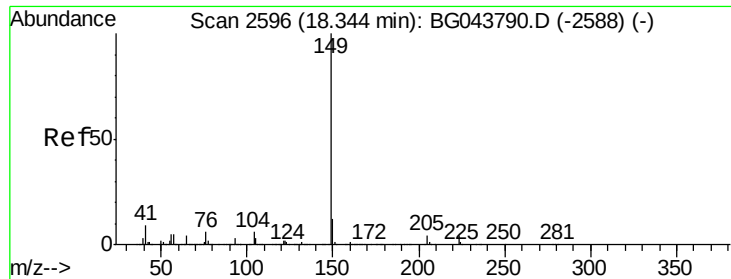


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 2.481 ng

RT: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

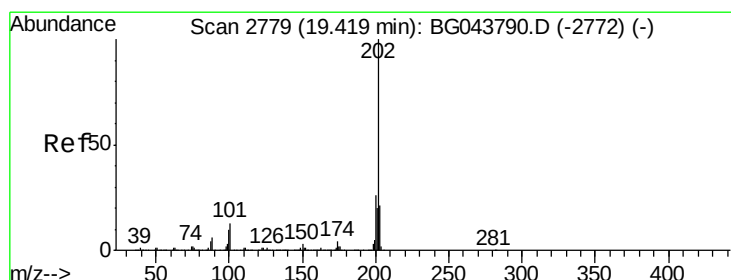
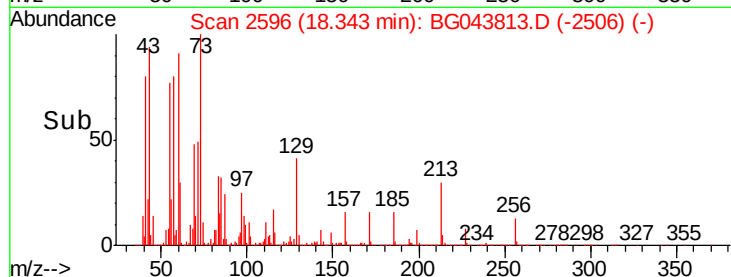
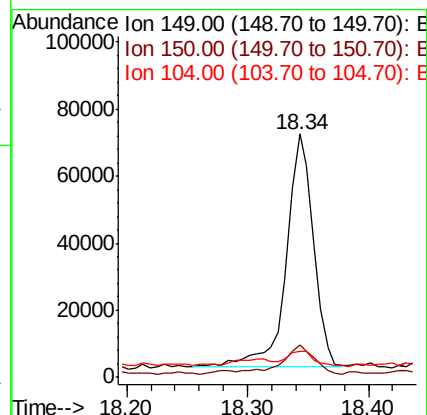
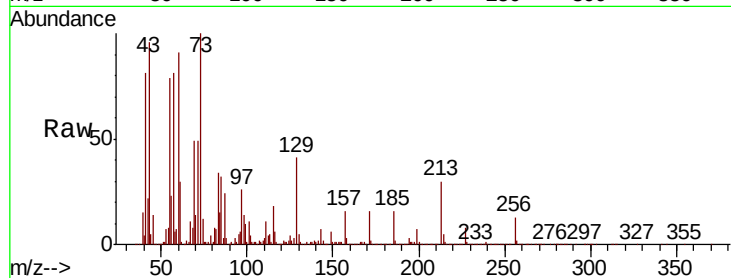
Tot Ion:149 Resp: 106724

Ion Ratio Lower Upper

149 100

150 13.5 9.4 14.0

104 10.7 4.8 7.2#



#75

Fluoranthene

Concen: 2.686 ng

RT: 19.42 min Scan# 2779

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

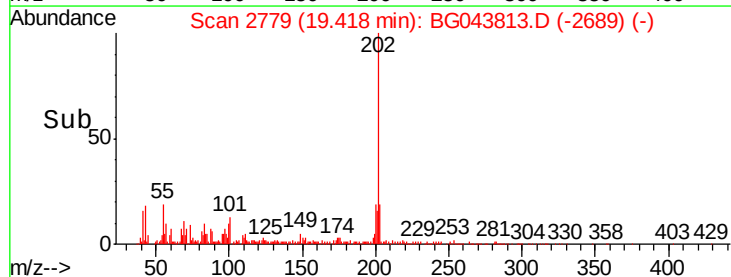
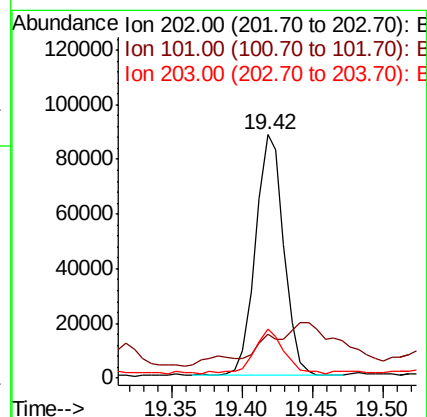
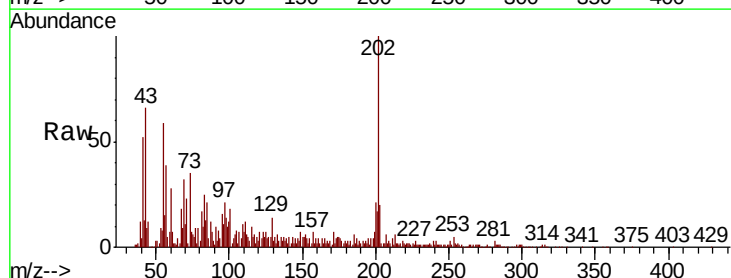
Tgt Ion:202 Resp: 124664

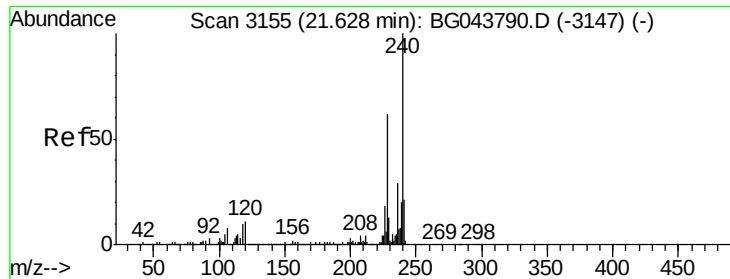
Ion Ratio Lower Upper

202 100

101 17.9 0.0 32.7

203 20.4 1.0 41.0

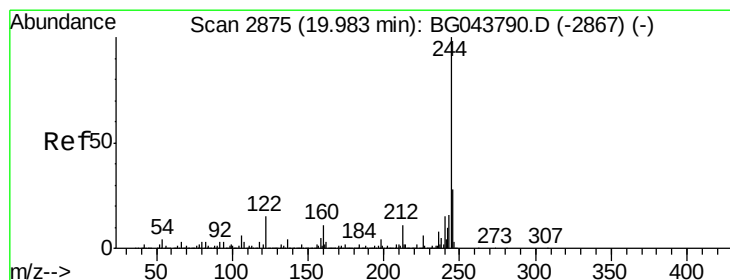
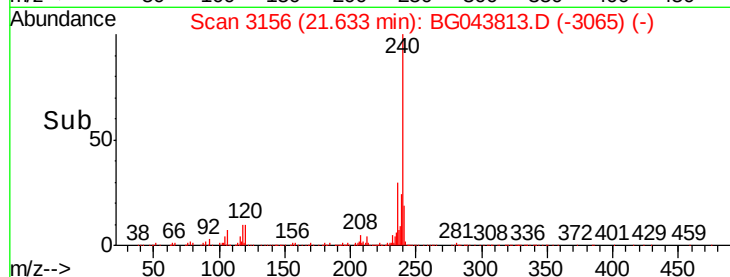
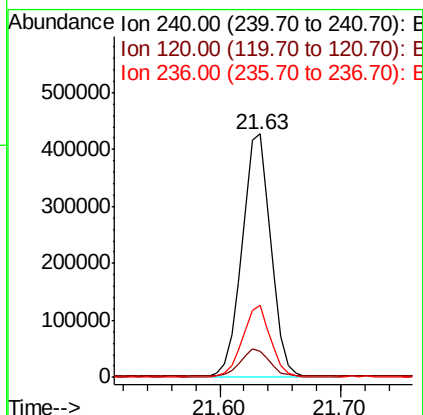
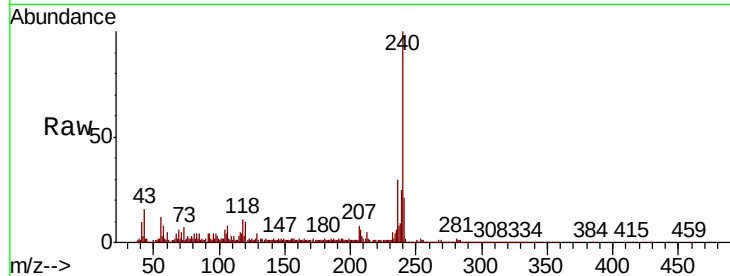




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. 0.01 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

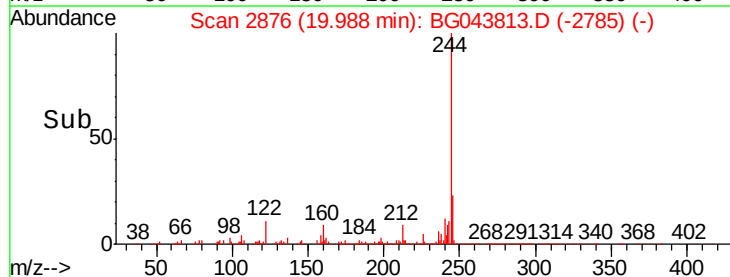
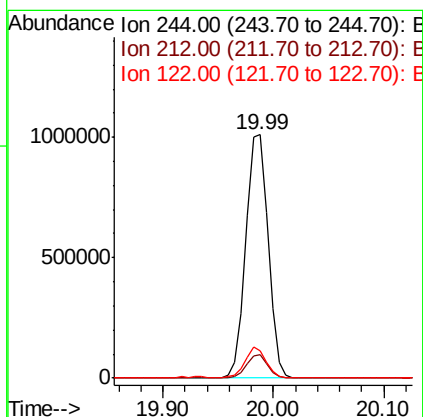
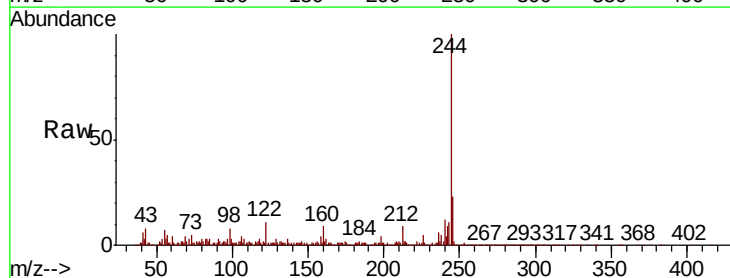
Instrument :
BNA_G
ClientSampleId :
LIGHT-GREEN-BRICK

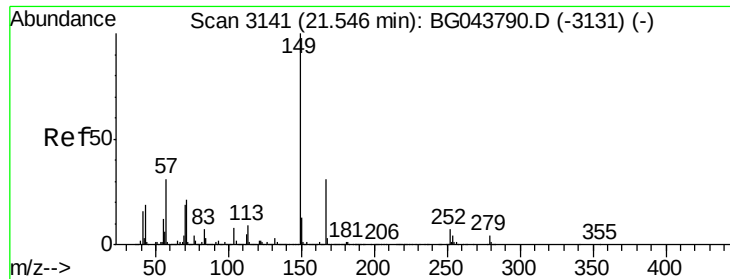
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	12.8
236	29.8	23.1	34.7



#79
Terphenyl-d14
Concen: 49.288 ng
RT: 19.99 min Scan# 2876
Delta R.T. 0.01 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	9.1	13.7
122	11.3	11.6	17.4#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.898 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

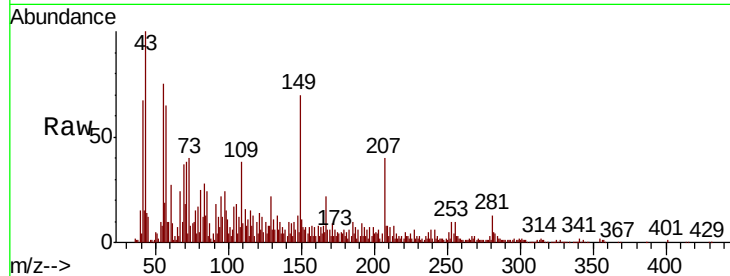
Tot Ion:149 Resp: 79789

Ion Ratio Lower Upper

149 100

167 31.3 25.1 37.7

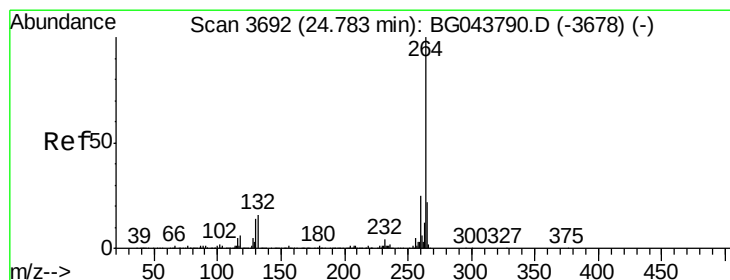
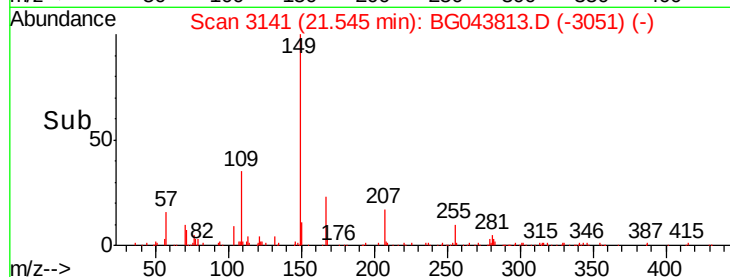
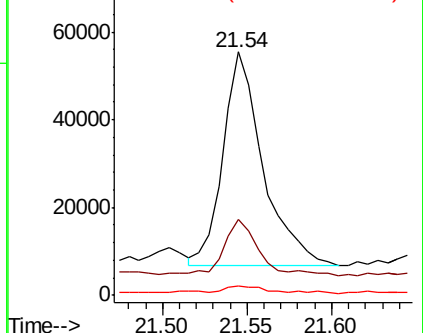
279 3.9 3.5 5.3



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

Perylene-d12

Concen: 20.000 ng

RT: 24.79 min Scan# 3693

Delta R.T. 0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

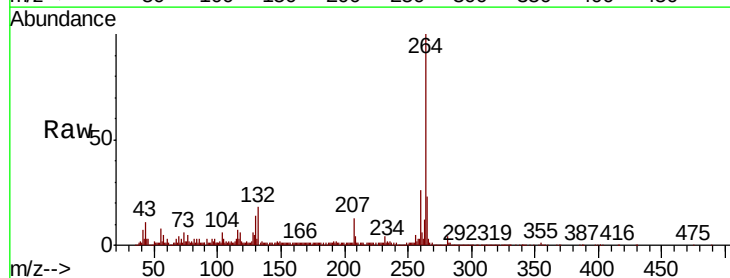
Tgt Ion:264 Resp: 801149

Ion Ratio Lower Upper

264 100

260 25.9 19.8 29.8

265 23.0 17.9 26.9



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

