

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042548.D
 Acq On : 29 Aug 2019 1:06
 Operator : HP/JU
 Sample : K4571-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200052

Quant Time: Aug 29 07:50:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	31202	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	124910	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	103058	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	272814	20.00	ng	0.00
76) Chrysene-d12	21.68	240	302204	20.00	ng	-0.01
87) Perylene-d12	24.93	264	357465	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	166284	107.93	ng	0.00
7) Phenol-d6	7.16	99	228328	109.72	ng	-0.01
23) Nitrobenzene-d5	9.17	82	127125	70.33	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	177667	121.29	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	405830	66.60	ng	0.00
79) Terphenyl-d14	20.02	244	904027	64.67	ng	0.00

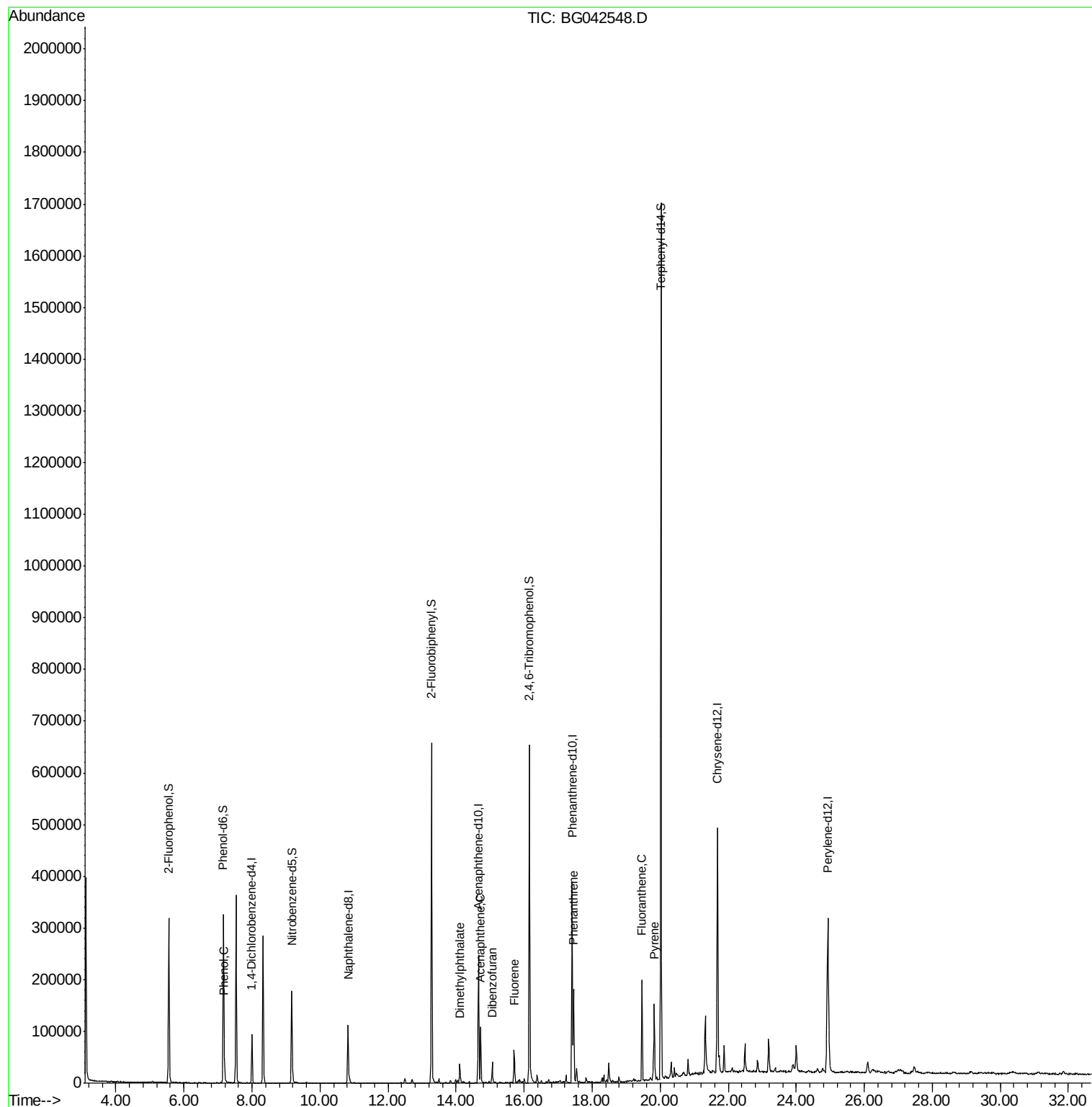
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	12763	6.032	ng	82
50) Dimethylphthalate	14.10	163	39233	5.276	ng	99
52) Acenaphthene	14.72	154	44805	8.538	ng	97
55) Dibenzofuran	15.06	168	36538	4.206	ng	97
58) Fluorene	15.71	166	35495	4.999	ng	95
71) Phenanthrene	17.45	178	132441	9.773	ng	99
75) Fluoranthene	19.46	202	141620	8.563	ng	96
78) Pyrene	19.83	202	103401	5.581	ng	96

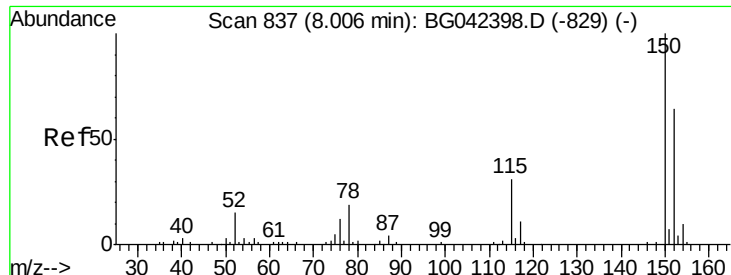
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

RBR-200052

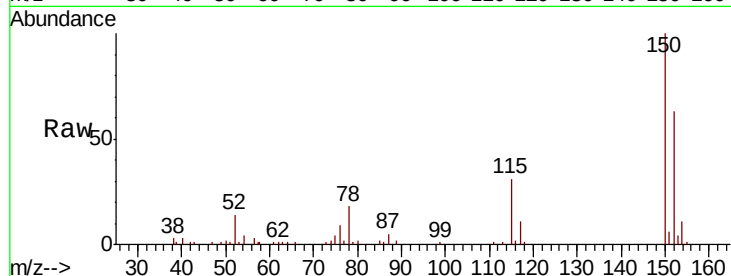
Tot Ion:152 Resp: 31202

Ion Ratio Lower Upper

152 100

150 159.9 125.4 188.0

115 49.0 38.5 57.7

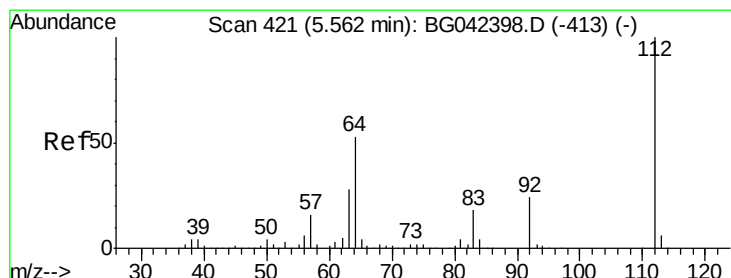
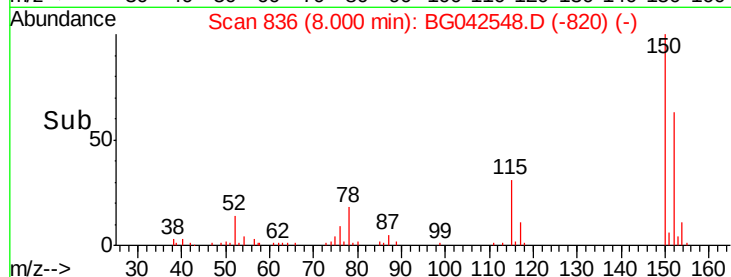
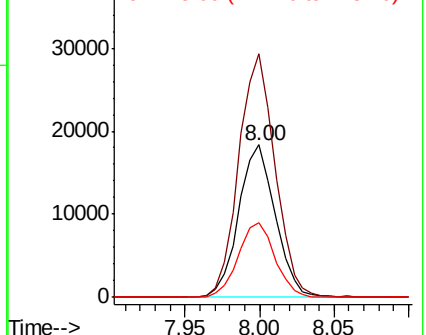


Abundance

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: 107.933 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

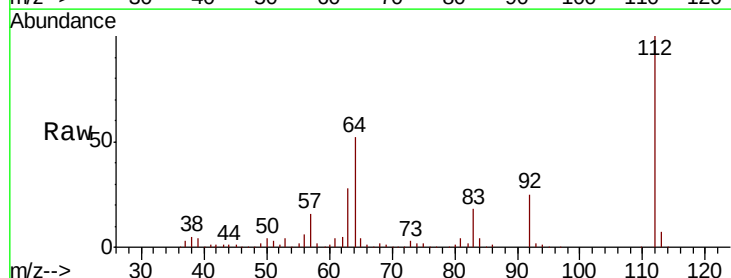
Tgt Ion:112 Resp: 166284

Ion Ratio Lower Upper

112 100

64 52.5 42.8 64.2

63 27.6 22.7 34.1

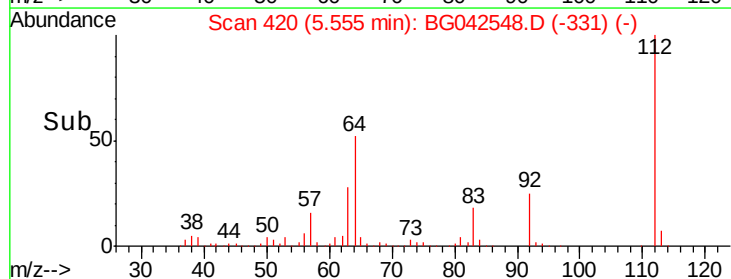
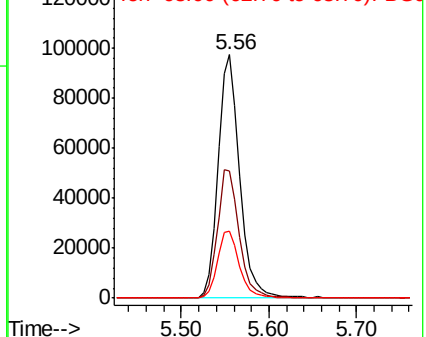


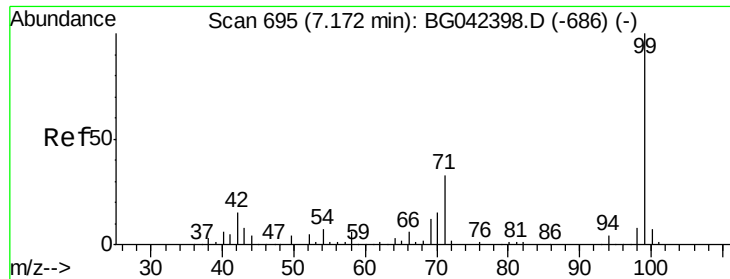
Abundance

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: 109.719 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

RBR-200052

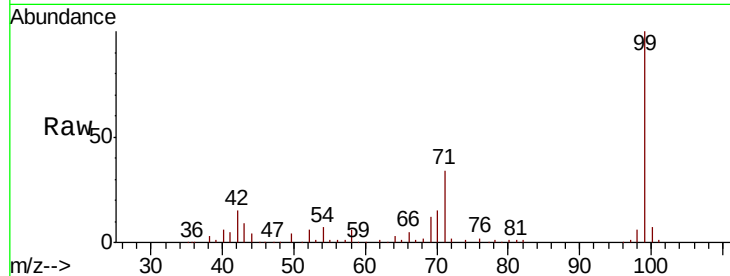
Tot Ion: 99 Resp: 228328

Ion Ratio Lower Upper

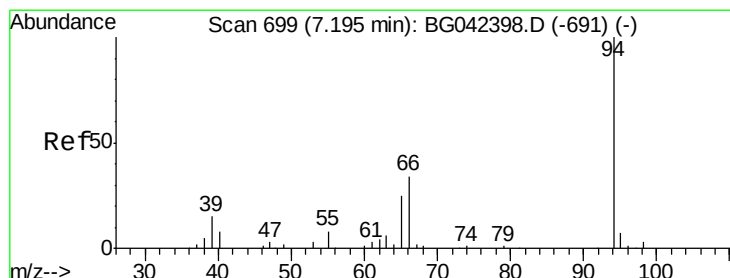
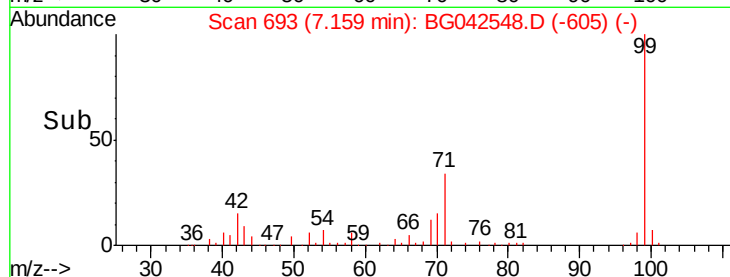
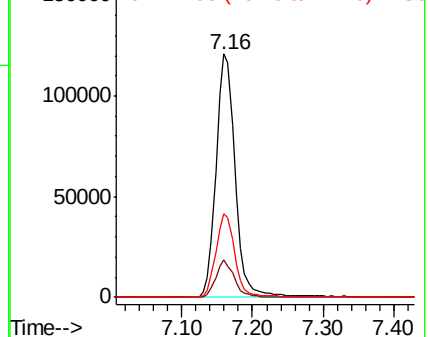
99 100

42 15.2 12.0 18.0

71 34.4 26.3 39.5



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: 6.032 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

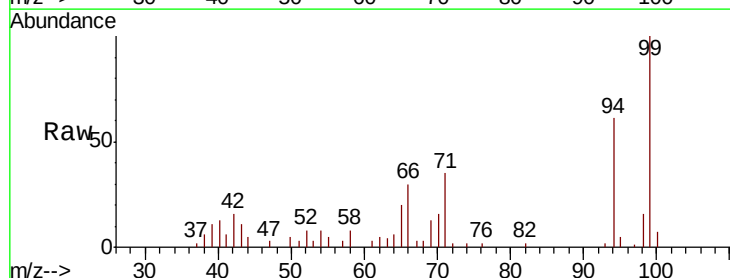
Tgt Ion: 94 Resp: 12763

Ion Ratio Lower Upper

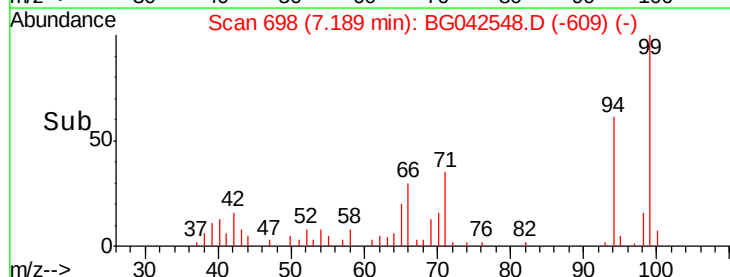
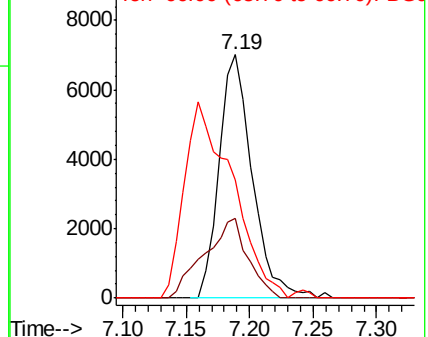
94 100

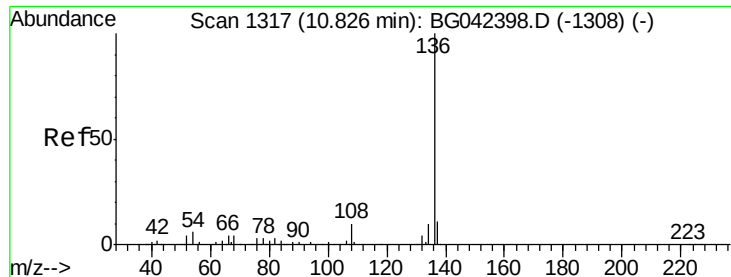
65 32.7 5.6 45.6

66 48.6 16.0 56.0



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

RBR-200052

Tot Ion:136 Resp: 124910

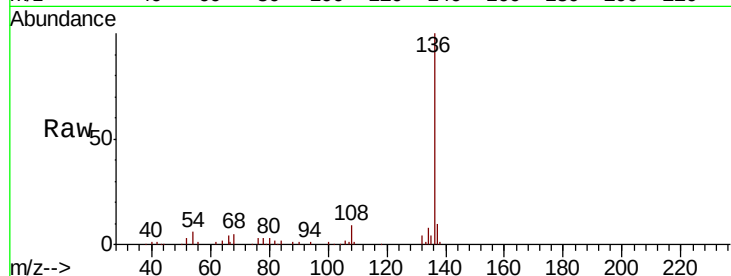
Ion Ratio Lower Upper

136 100

137 9.8 8.7 13.1

54 6.1 4.9 7.3

68 4.6 3.6 5.4

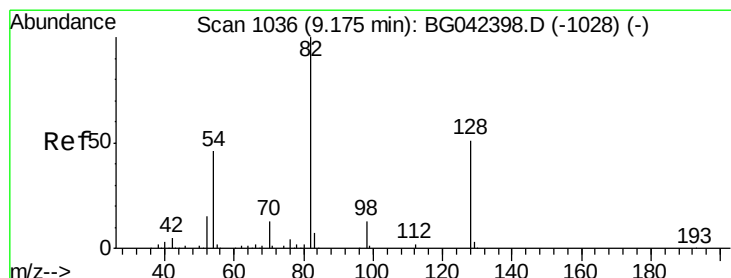
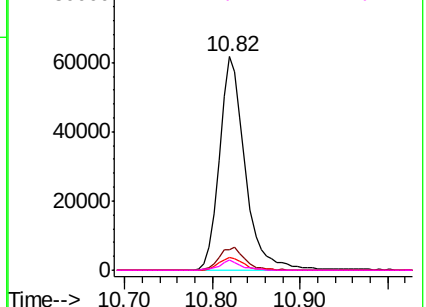
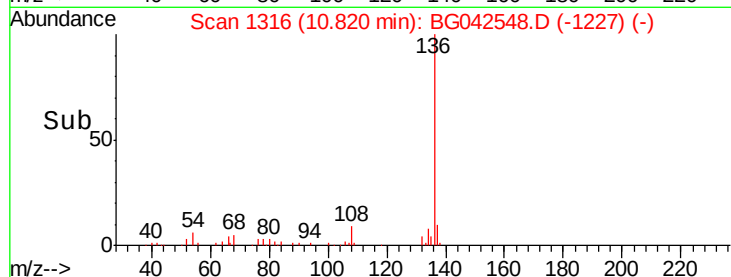


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.329 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

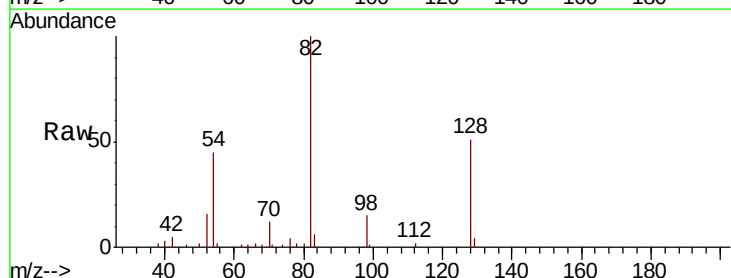
Tgt Ion: 82 Resp: 127125

Ion Ratio Lower Upper

82 100

128 50.7 40.7 61.1

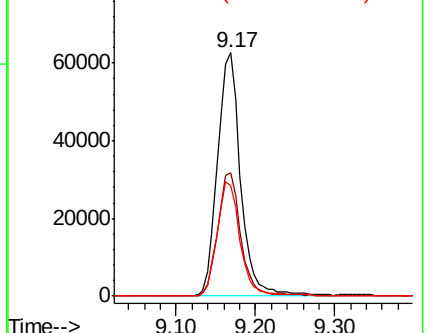
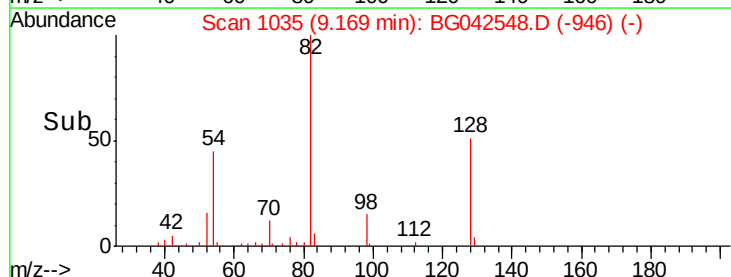
54 45.5 36.3 54.5

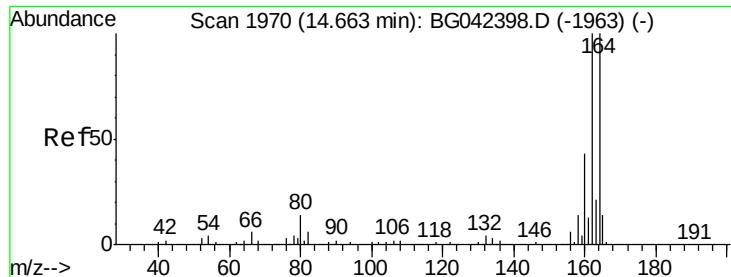


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

RBR-200052

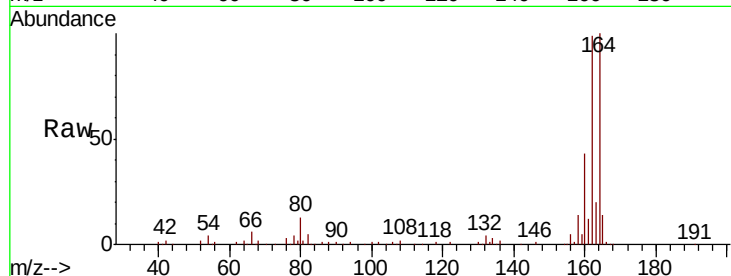
Tot Ion:164 Resp: 103058

Ion Ratio Lower Upper

164 100

162 99.2 79.9 119.9

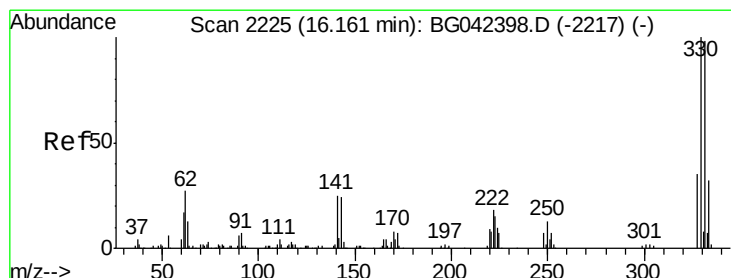
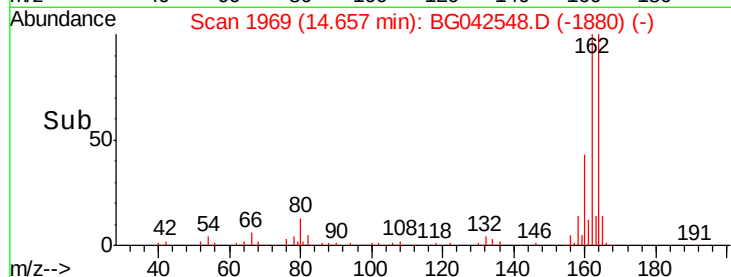
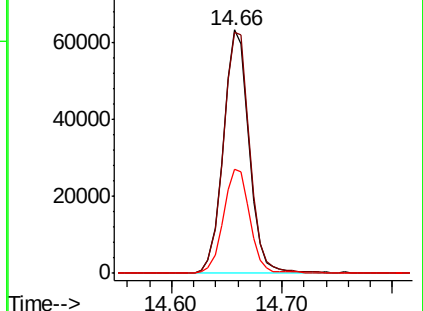
160 42.9 34.3 51.5



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: 121.291 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

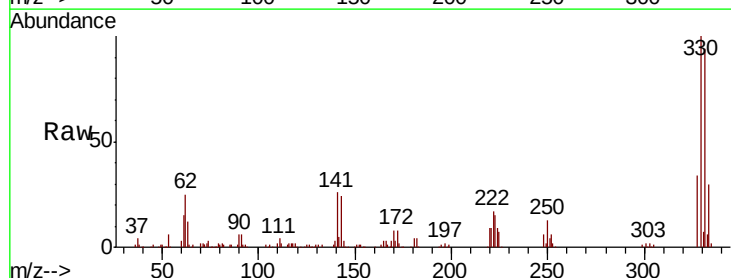
Tgt Ion:330 Resp: 177667

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

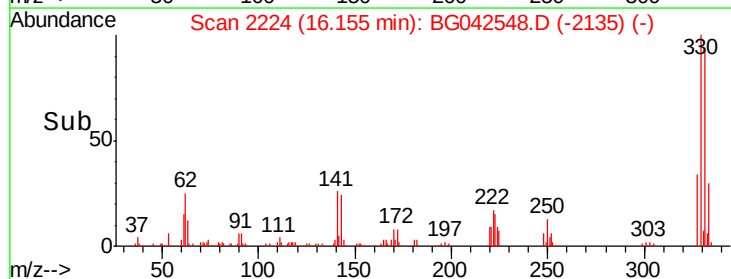
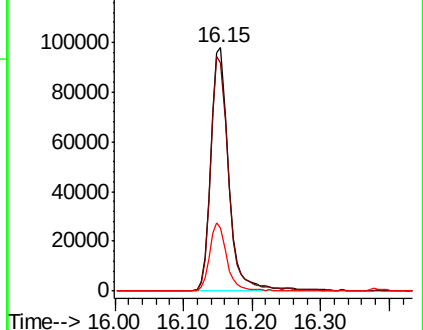
141 26.7 21.4 32.0

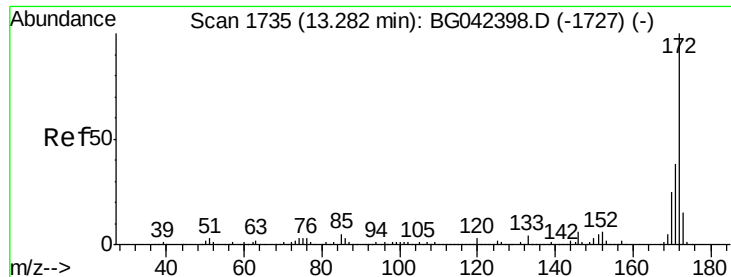


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

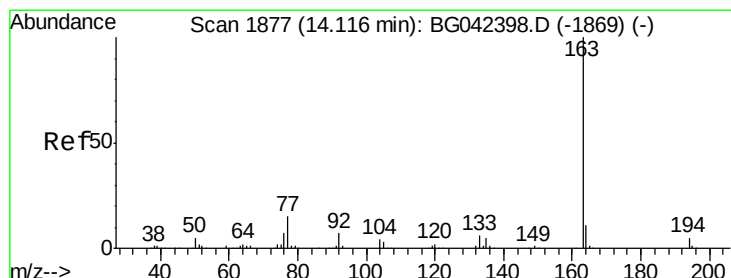
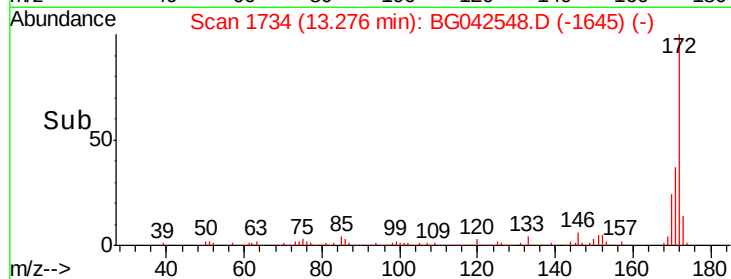
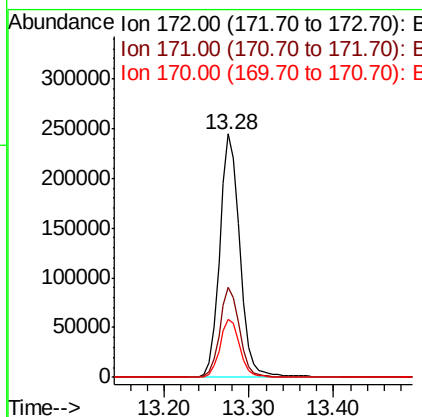
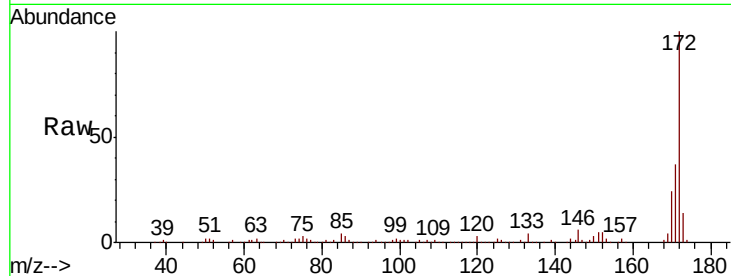




#45
 2-Fluorobiphenyl
 Concen: 66.601 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

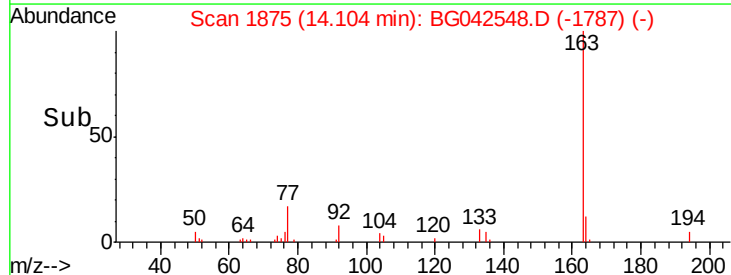
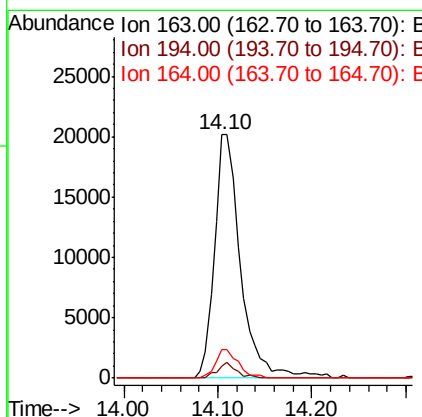
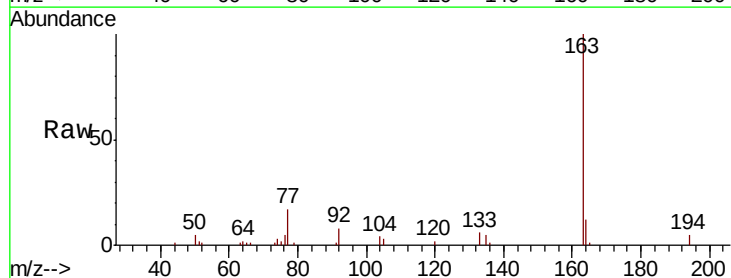
Instrument :
 BNA_G
 ClientSampleId :
 RBR-200052

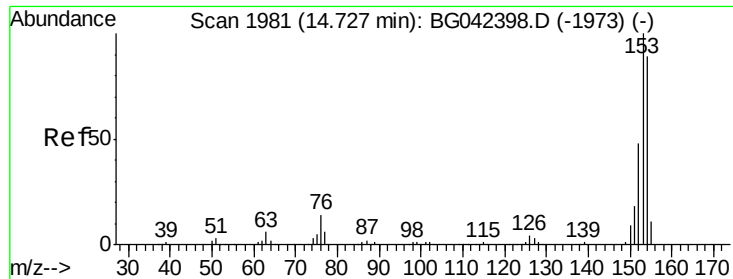
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.5	45.7
170	24.0	20.2	30.2



#50
 Dimethylphthalate
 Concen: 5.276 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	4.2	6.2
164	11.6	8.8	13.2





#52

Acenaphthene

Concen: 8.538 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

RBR-200052

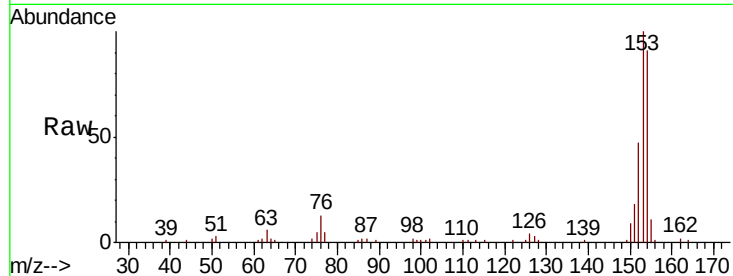
Tot Ion:154 Resp: 44805

Ion Ratio Lower Upper

154 100

153 110.1 90.2 135.4

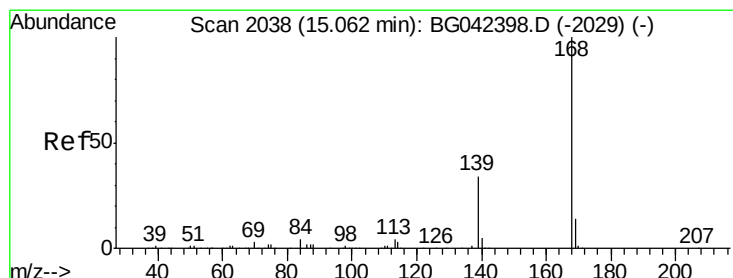
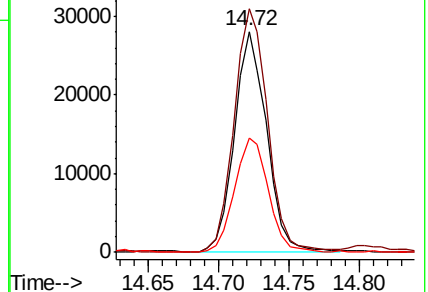
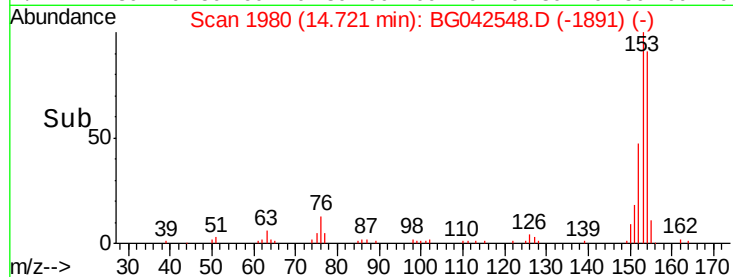
152 51.5 43.2 64.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 4.206 ng

RT: 15.06 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

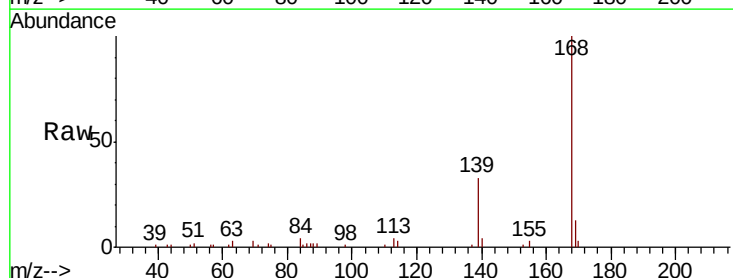
Tgt Ion:168 Resp: 36538

Ion Ratio Lower Upper

168 100

139 32.7 27.2 40.8

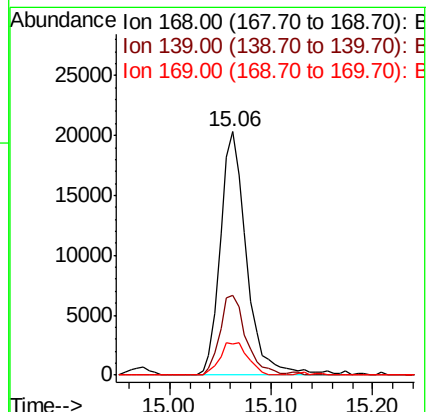
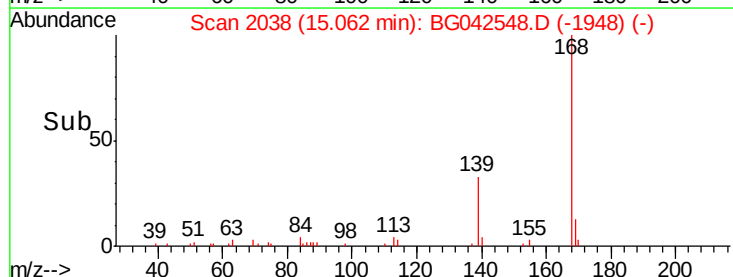
169 12.6 11.5 17.3

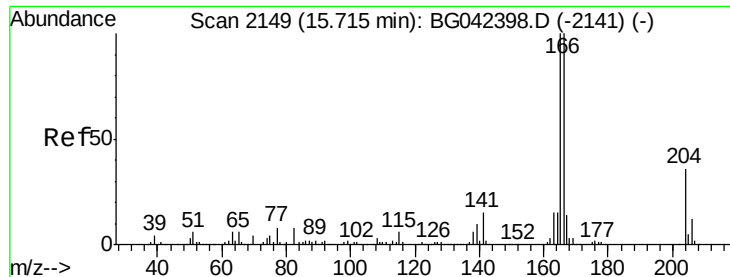


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

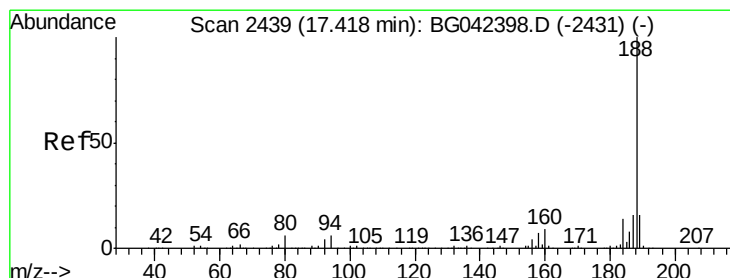
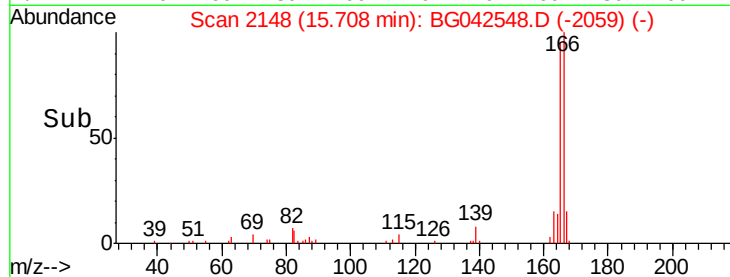
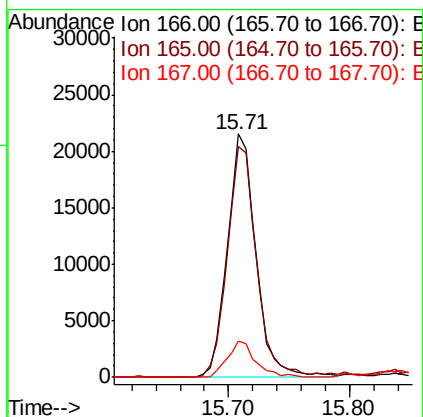
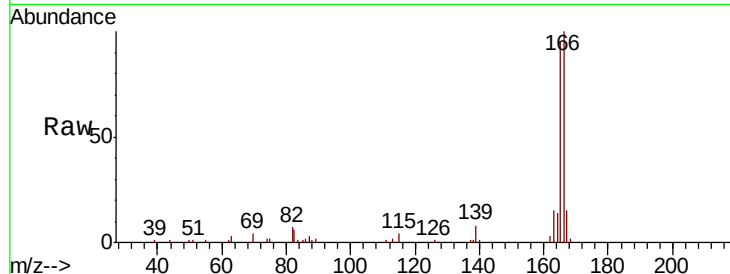




#58
 Fluorene
 Concen: 4.999 ng
 RT: 15.71 min Scan# 2148
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

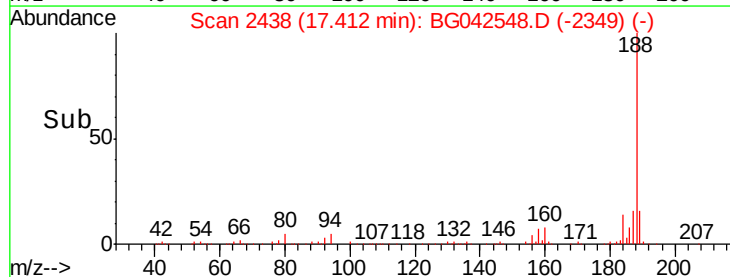
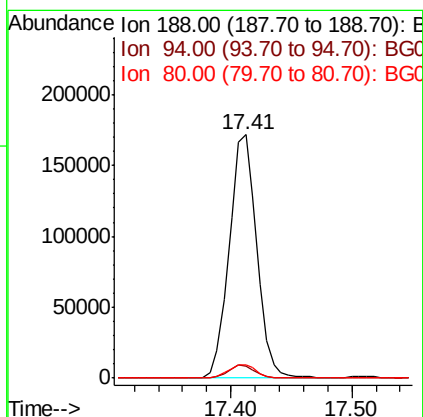
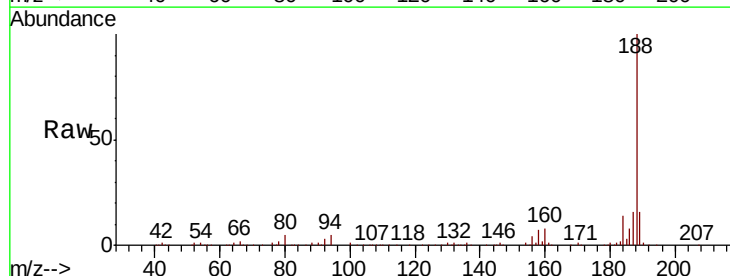
Instrument :
 BNA_G
 ClientSampleId :
 RBR-200052

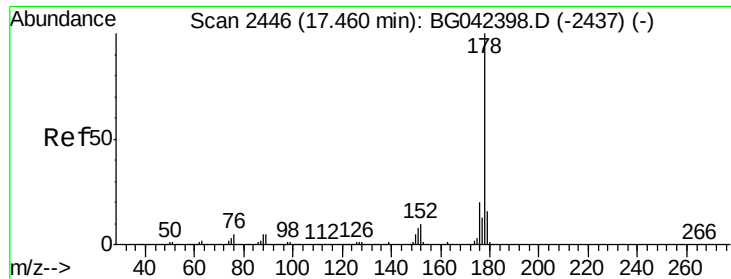
Tot Ion:166 Resp: 35495
 Ion Ratio Lower Upper
 166 100
 165 94.7 79.7 119.5
 167 14.7 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042548.D
 Acq: 29 Aug 2019 1:06

Tgt Ion:188 Resp: 272814
 Ion Ratio Lower Upper
 188 100
 94 5.0 4.5 6.7
 80 5.4 4.9 7.3





#71

Phenanthrene

Concen: 9.773 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

RBR-200052

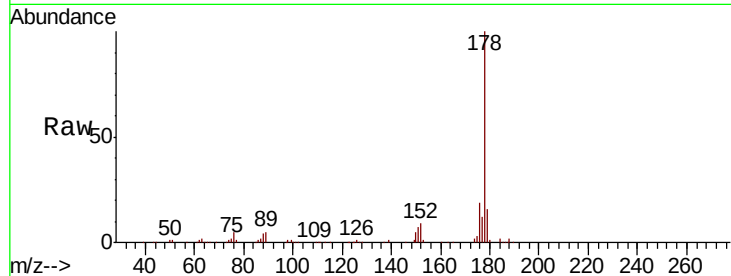
Tot Ion:178 Resp: 132441

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

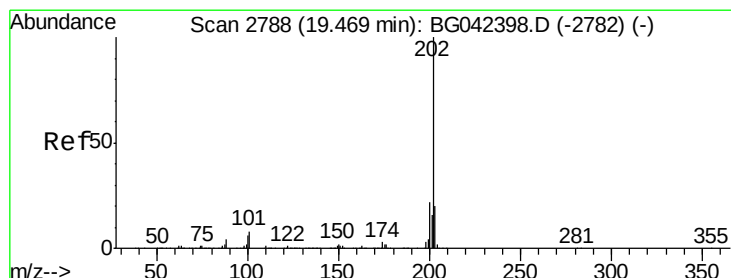
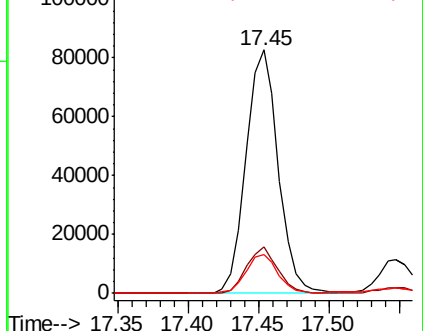
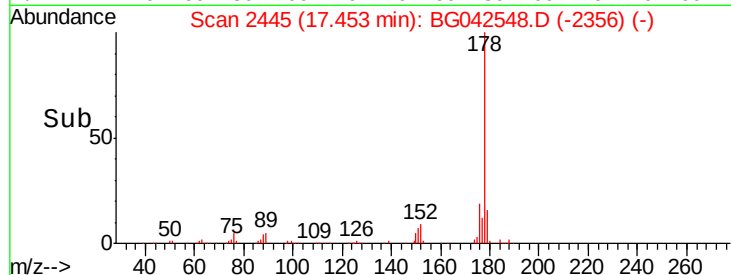
179 15.9 12.7 19.1



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



#75

Fluoranthene

Concen: 8.563 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

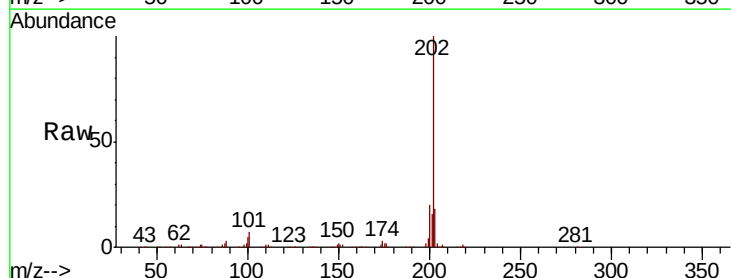
Tgt Ion:202 Resp: 141620

Ion Ratio Lower Upper

202 100

101 6.7 0.0 28.3

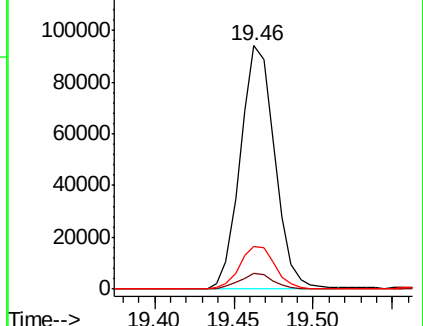
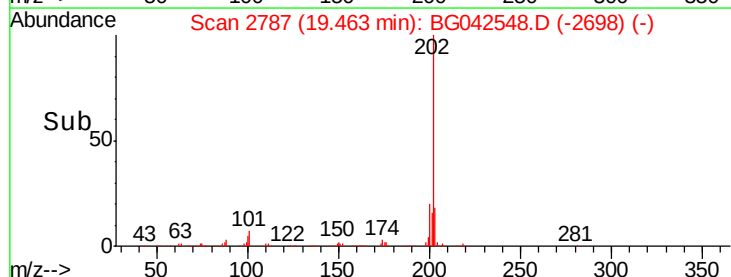
203 17.6 0.0 39.6

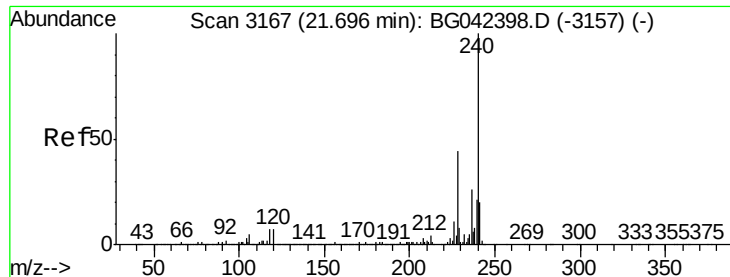


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

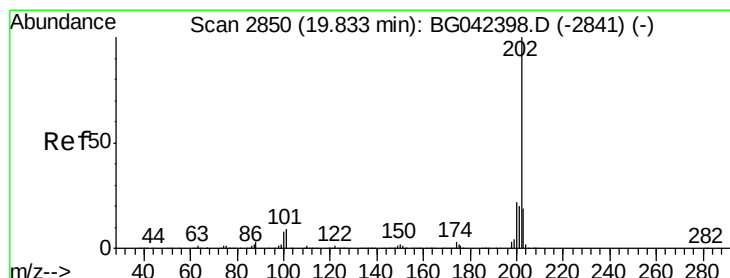
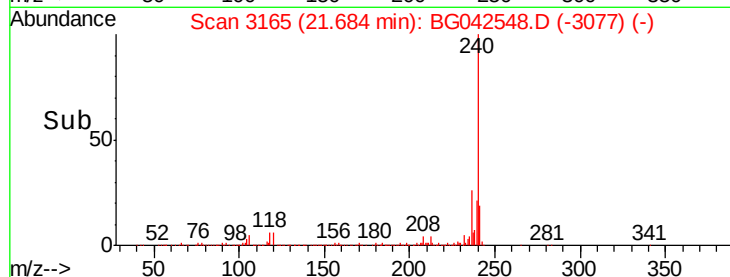
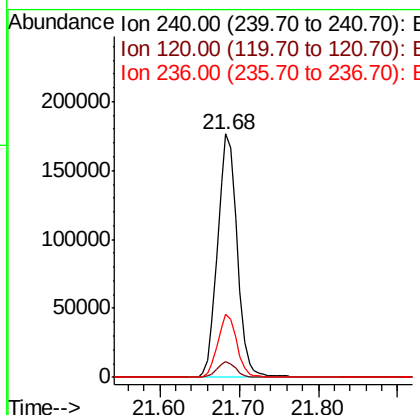
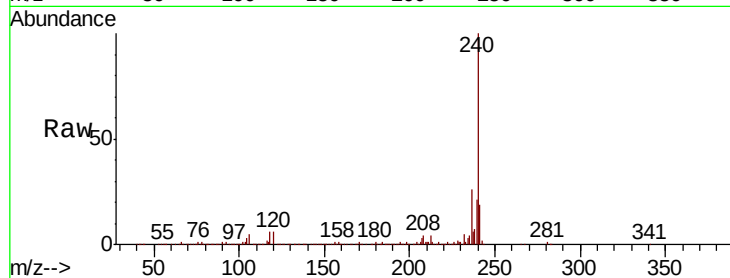




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

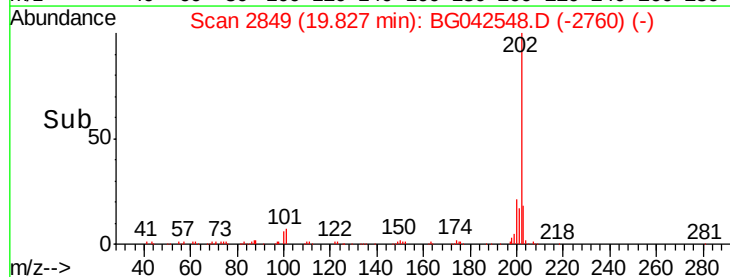
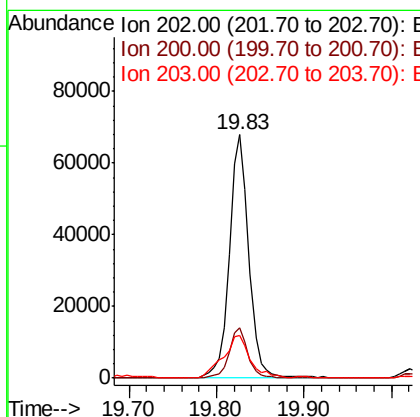
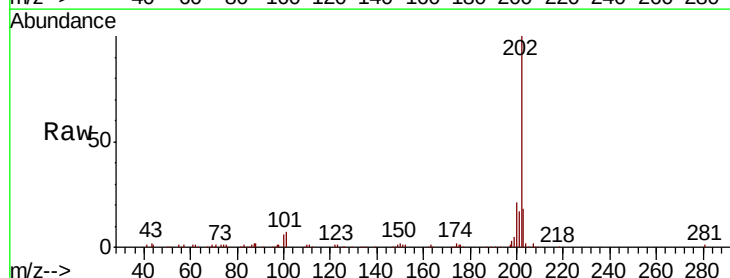
Instrument :
BNA_G
ClientSampleId :
RBR-200052

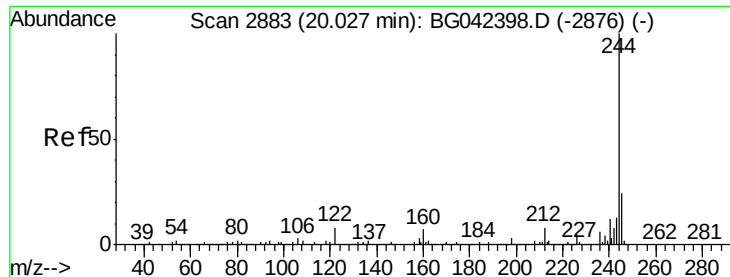
Tot Ion:240 Resp: 302204
Ion Ratio Lower Upper
240 100
120 6.3 5.7 8.5
236 26.0 21.0 31.4



#78
Pyrene
Concen: 5.581 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042548.D
Acq: 29 Aug 2019 1:06

Tgt Ion:202 Resp: 103401
Ion Ratio Lower Upper
202 100
200 20.6 17.8 26.6
203 17.5 15.5 23.3





#79

Terphenyl-d14

Concen: 64.673 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

Instrument :

BNA_G

ClientSampleId :

RBR-200052

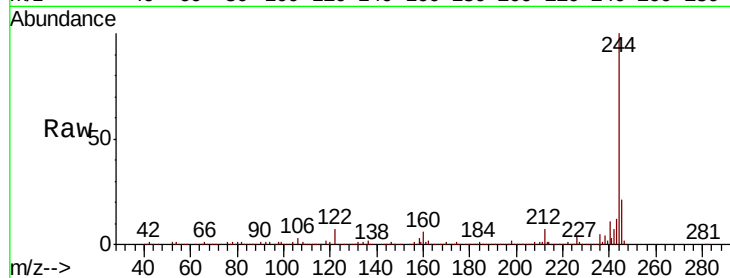
Tot Ion:244 Resp: 904027

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

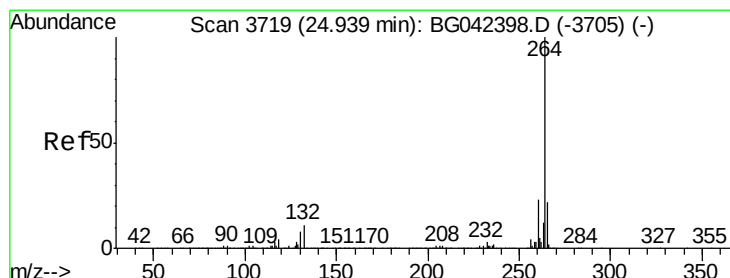
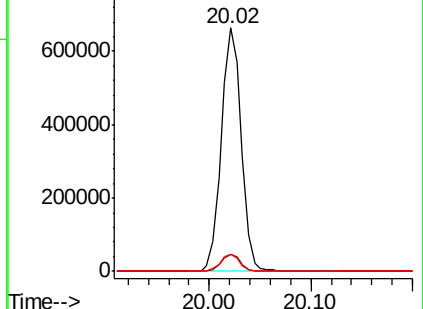
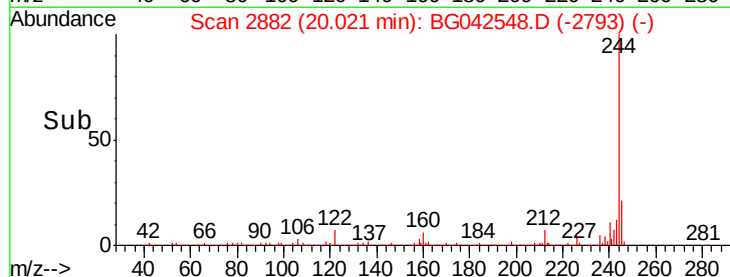
122 6.9 6.7 10.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042548.D

Acq: 29 Aug 2019 1:06

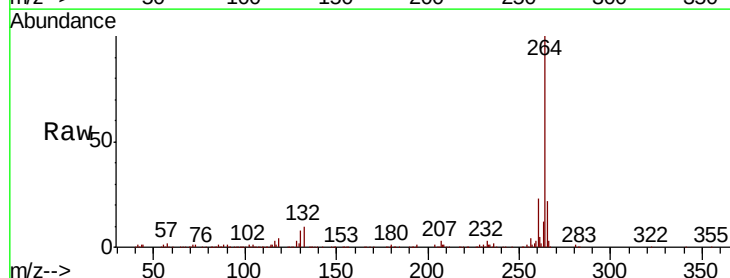
Tgt Ion:264 Resp: 357465

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 21.6 17.6 26.4



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

