

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044505.D
 Acq On : 20 Feb 2020 1:19
 Operator : CG/JU
 Sample : L1547-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MARCY-GREEN-BH-02-B

Quant Time: Feb 20 08:20:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	57940	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	237692	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	154424	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	365037	20.00	ng	-0.02
76) Chrysene-d12	21.52	240	381337	20.00	ng	-0.02
87) Perylene-d12	24.60	264	402701	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	351066	106.93	ng	-0.01
7) Phenol-d6	7.06	99	454669	103.13	ng	-0.01
23) Nitrobenzene-d5	9.04	82	270626	64.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	198467	109.48	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	620348	67.27	ng	-0.01
79) Terphenyl-d14	19.89	244	1077881	58.14	ng	-0.01

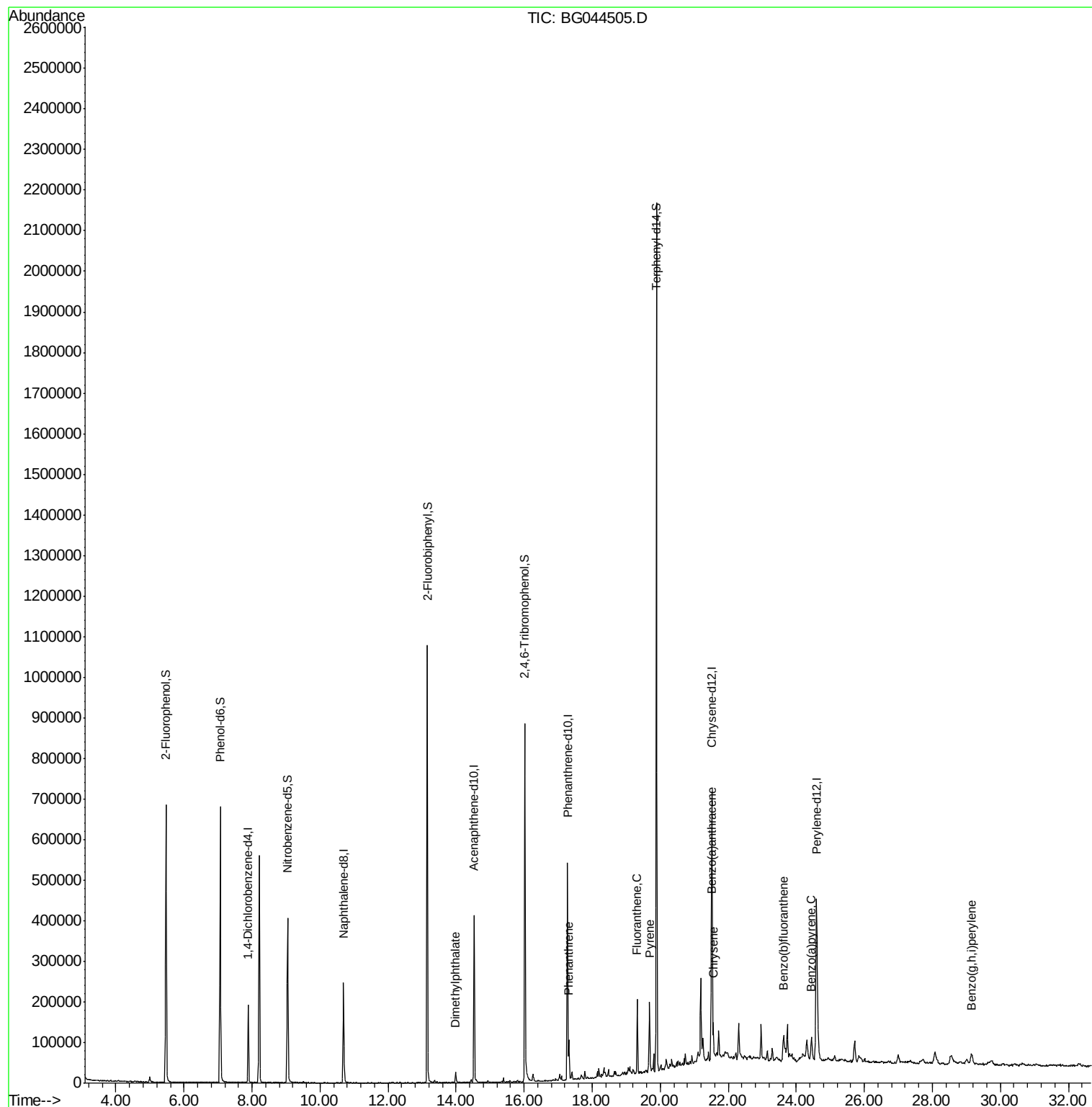
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.99	163	23025	2.074	ng	99
71) Phenanthrene	17.32	178	61883	3.501	ng	95
75) Fluoranthene	19.33	202	110517	5.405	ng	98
78) Pyrene	19.69	202	106329	4.342	ng	95
81) Benzo(a)anthracene	21.49	228	58249	2.478	ng	95
83) Chrysene	21.56	228	56174	2.473	ng	93
88) Benzo(b)fluoranthene	23.62	252	78941	3.402	ng	97
90) Benzo(a)pyrene	24.44	252	56707	2.585	ng	98
92) Benzo(g,h,i)perylene	29.16	276	46162	2.124	ng	97

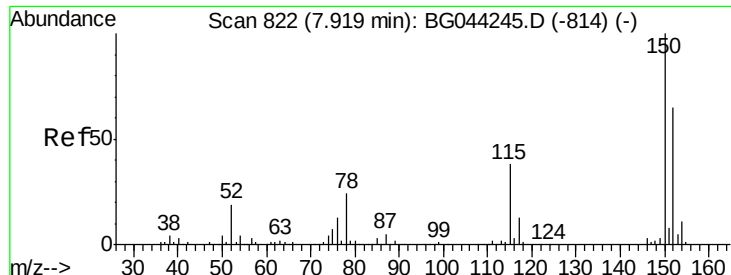
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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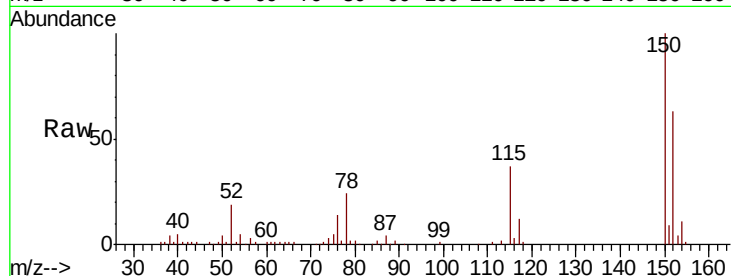


#1

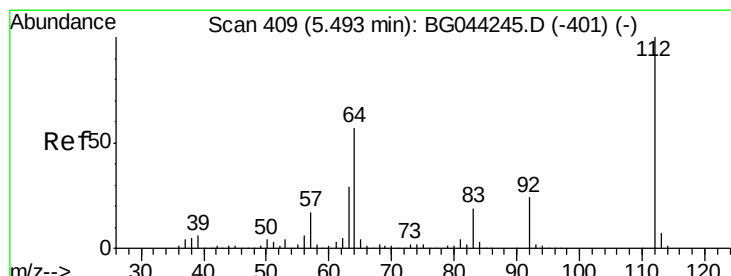
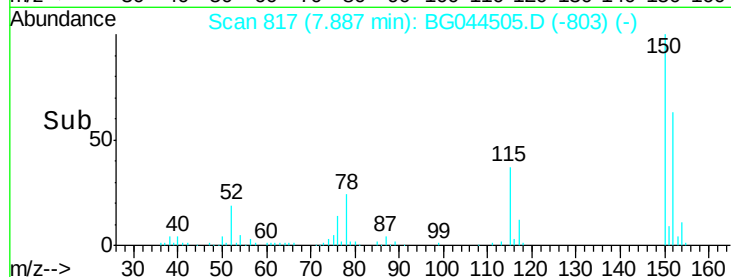
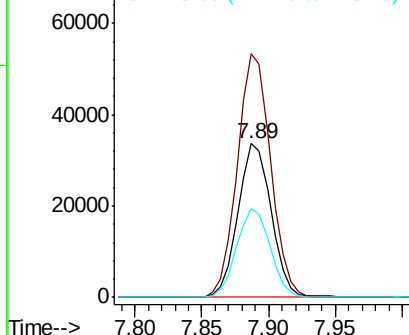
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

Instrument :
 BNA_G
 ClientSampleId :
 MARCY-GREEN-BH-02-B

Tot Ion:152 Resp: 57940
 Ion Ratio Lower Upper
 152 100
 150 158.2 122.6 183.8
 115 57.8 46.0 69.0



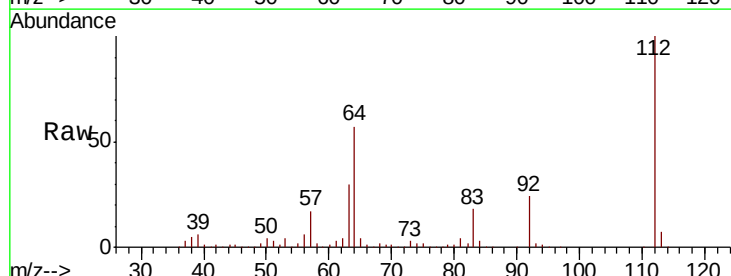
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



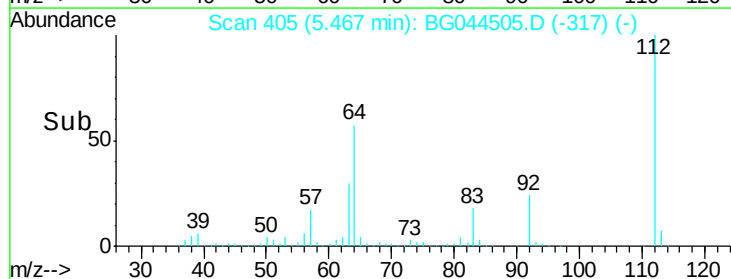
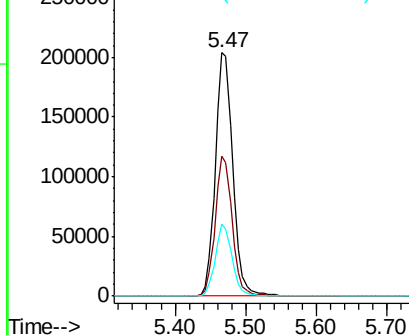
#5

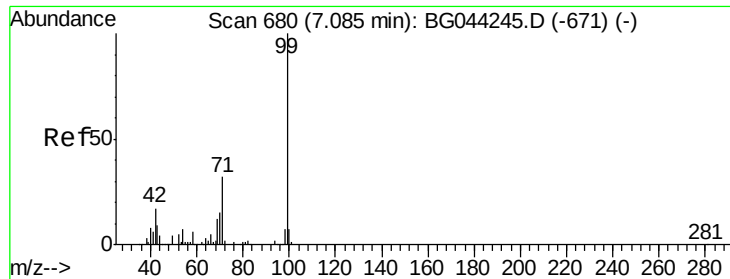
2-Fluorophenol
 Concen: 106.934 ng
 RT: 5.47 min Scan# 405
 Delta R.T. -0.01 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

Tgt Ion:112 Resp: 351066
 Ion Ratio Lower Upper
 112 100
 64 57.3 45.4 68.2
 63 29.7 22.9 34.3



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: 103.132 ng

RT: 7.06 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampleId :

MARCY-GREEN-BH-02-B

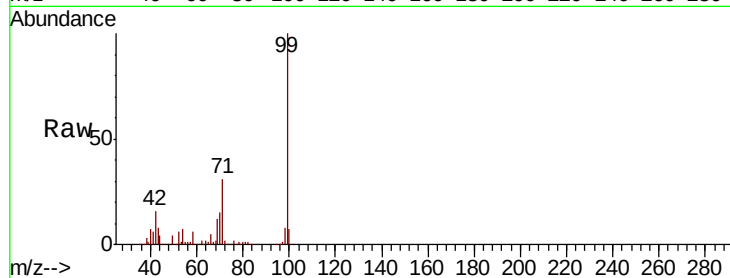
Tot Ion: 99 Resp: 454669

Ion Ratio Lower Upper

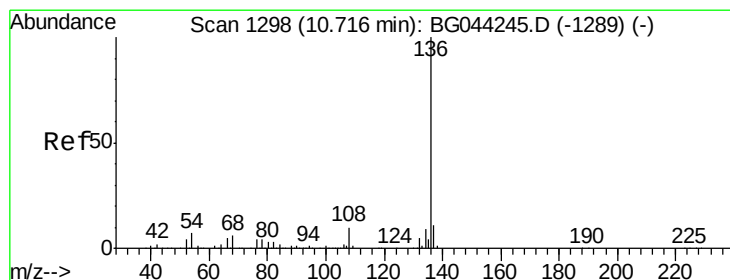
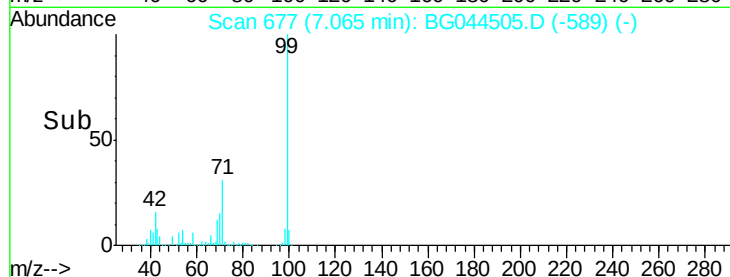
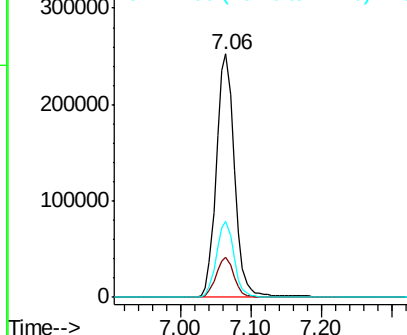
99 100

42 16.5 13.8 20.6

71 31.0 25.5 38.3



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: 10.69 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Tgt Ion: 136 Resp: 237692

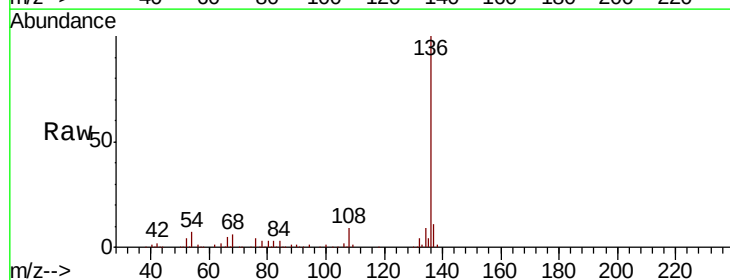
Ion Ratio Lower Upper

136 100

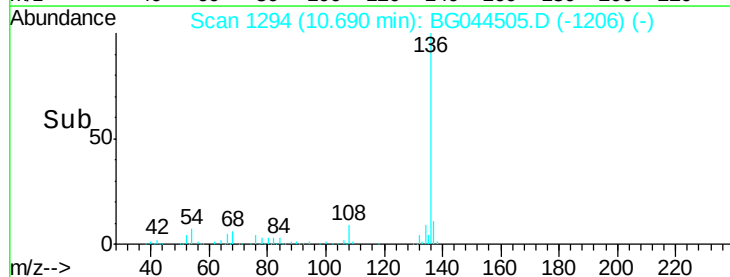
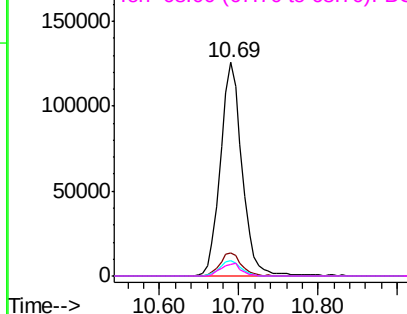
137 10.8 8.8 13.2

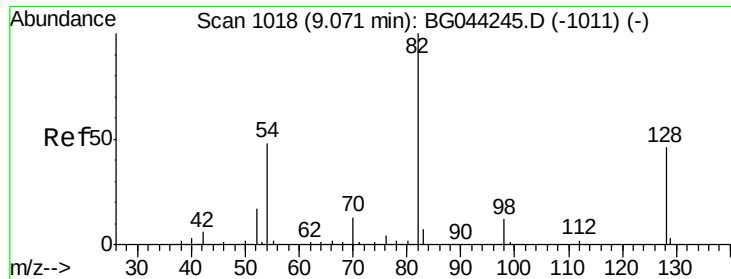
54 7.2 5.8 8.8

68 5.6 4.6 6.8



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

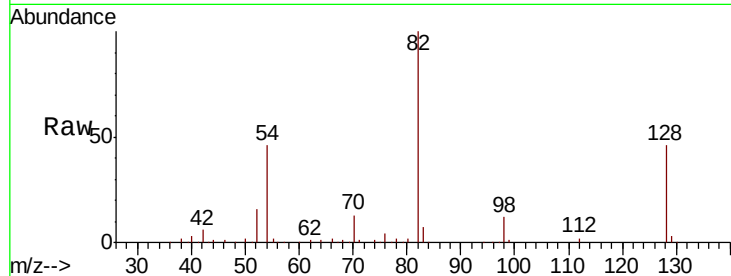




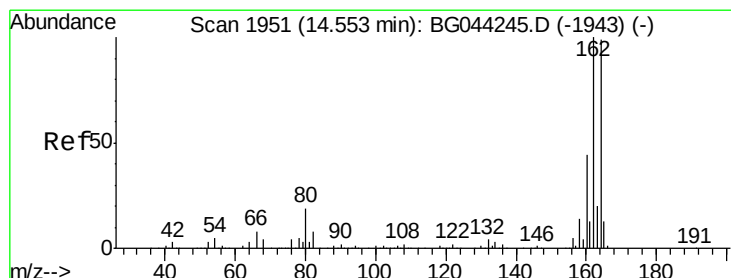
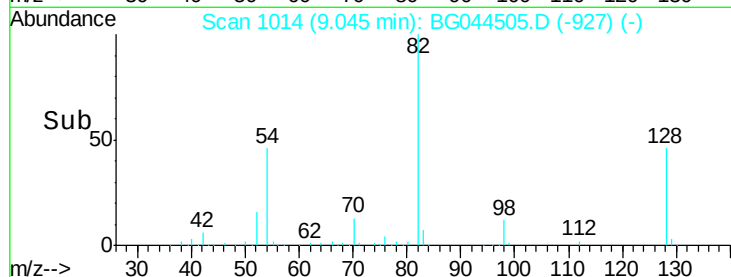
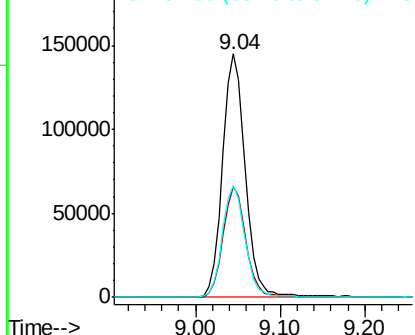
#23
Nitrobenzene-d5
Concen: 64.279 ng
RT: 9.04 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	45.7	38.6	58.0

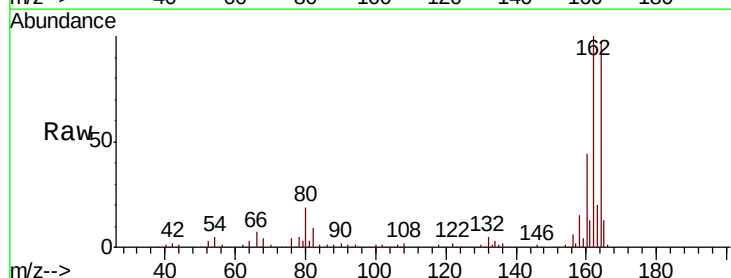


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

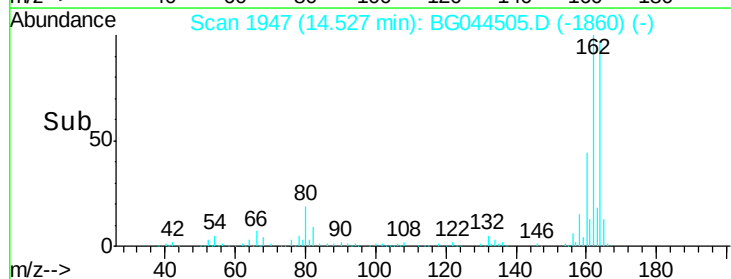
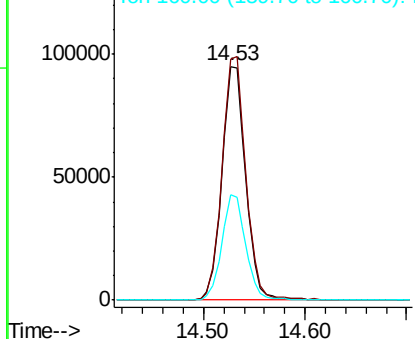


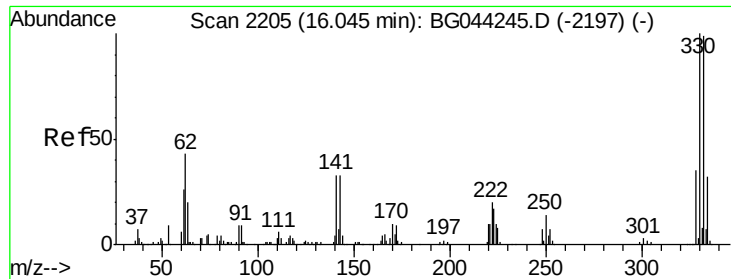
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1947
Delta R.T. -0.02 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.7	121.1
160	45.3	35.3	52.9



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

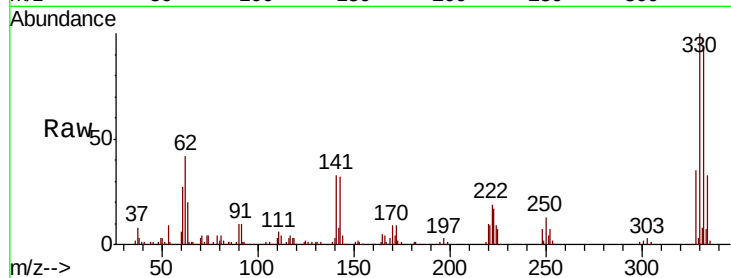




#42
 2,4,6-Tribromophenol
 Concen: 109.478 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

Instrument :
 BNA_G
 ClientSampleId :
 MARCY-GREEN-BH-02-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.2	115.8
141	34.3	28.3	42.5

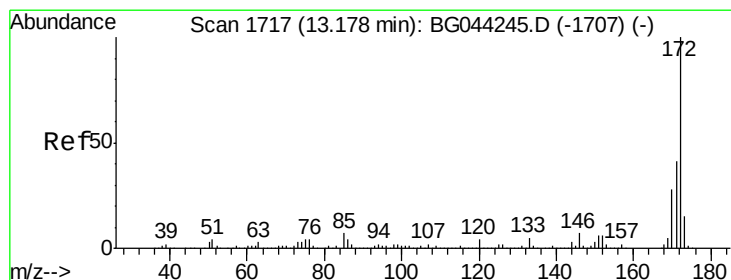
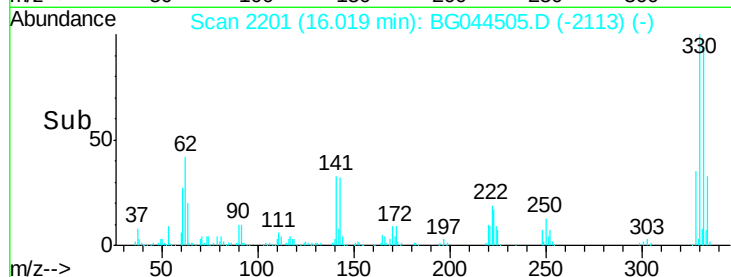
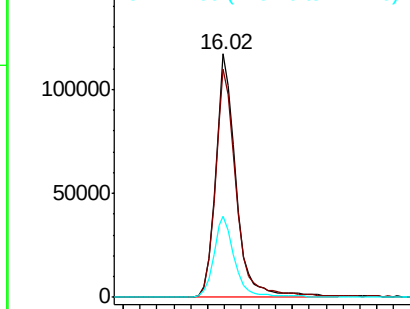


Abundance

Ion 329.80 (329.50 to 330.50): E

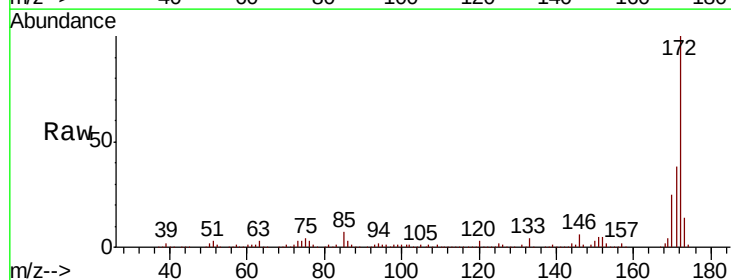
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 67.270 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	32.9	49.3
170	25.1	22.0	33.0

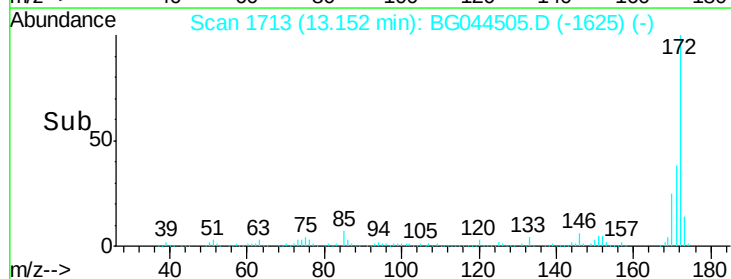
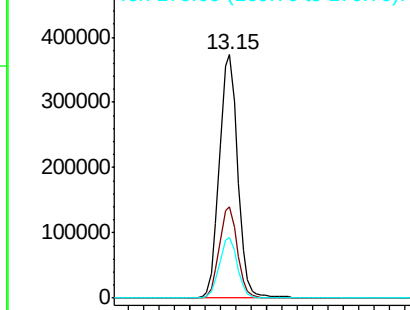


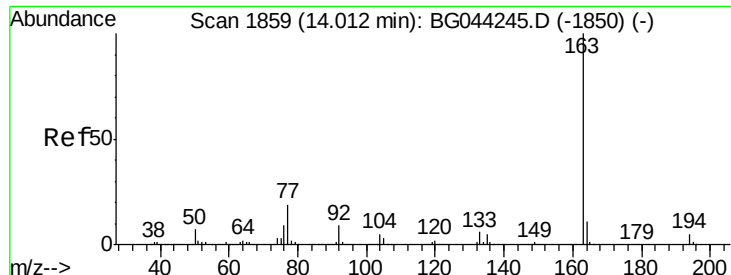
Abundance

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





#50

Dimethylphthalate

Concen: 2.074 ng

RT: 13.99 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampleId :

MARCY-GREEN-BH-02-B

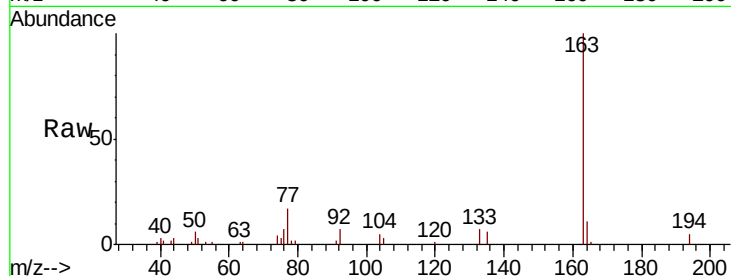
Tot Ion:163 Resp: 23025

Ion Ratio Lower Upper

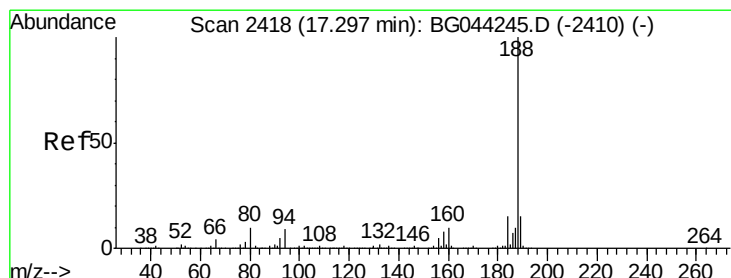
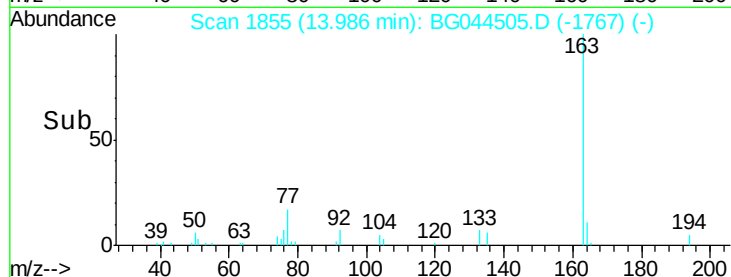
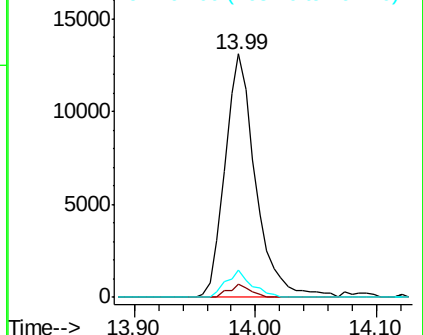
163 100

194 5.2 3.6 5.4

164 11.3 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.27 min Scan# 2414

Delta R.T. -0.02 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

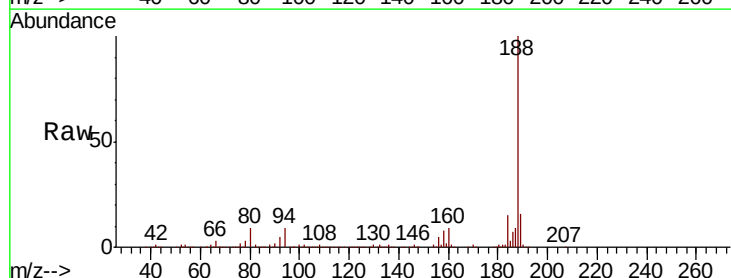
Tgt Ion:188 Resp: 365037

Ion Ratio Lower Upper

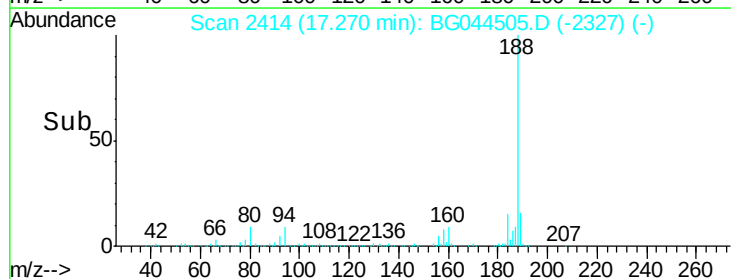
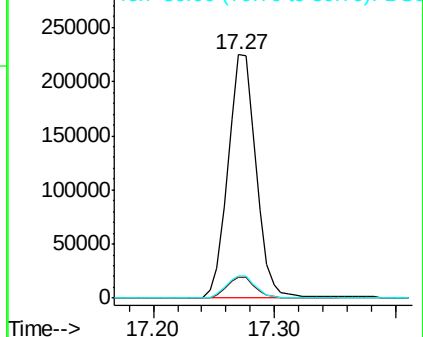
188 100

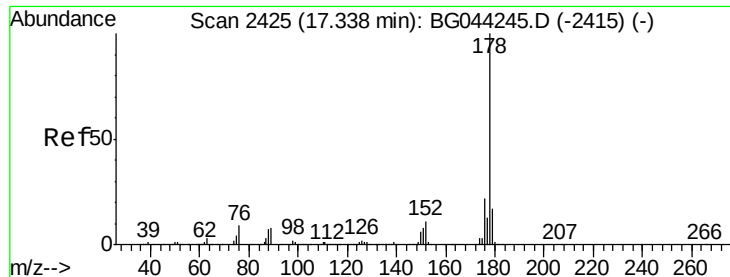
94 8.7 7.4 11.2

80 9.4 7.7 11.5



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

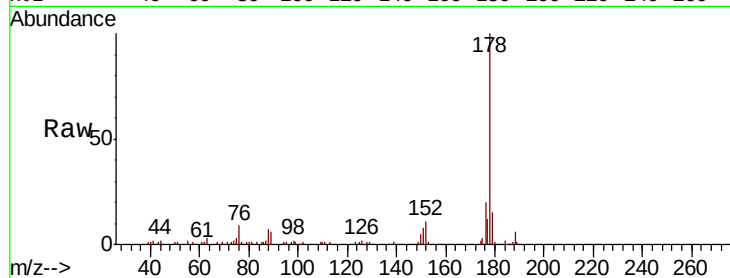




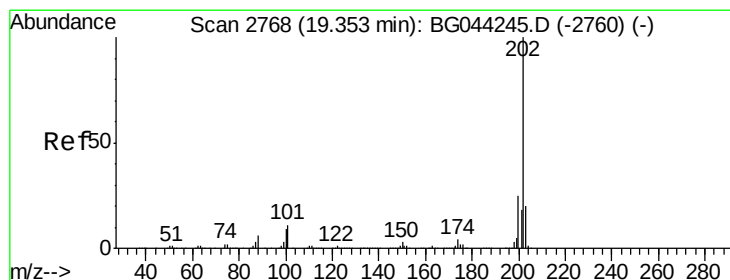
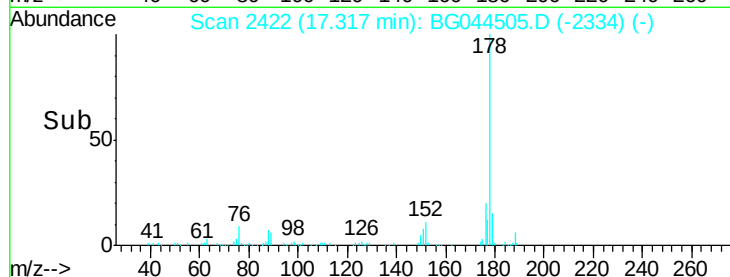
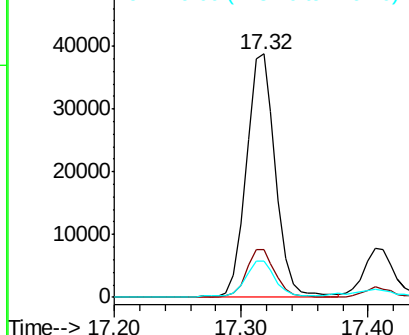
#71
Phenanthrene
Concen: 3.501 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-B

Tot Ion:178 Resp: 61883
Ion Ratio Lower Upper
178 100
176 19.7 17.7 26.5
179 15.0 13.7 20.5

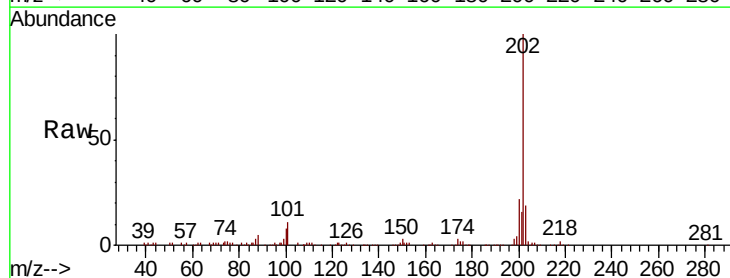


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

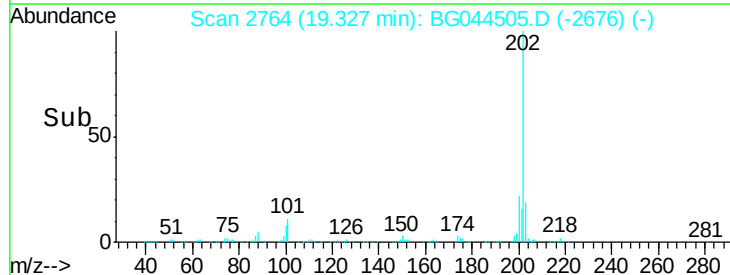
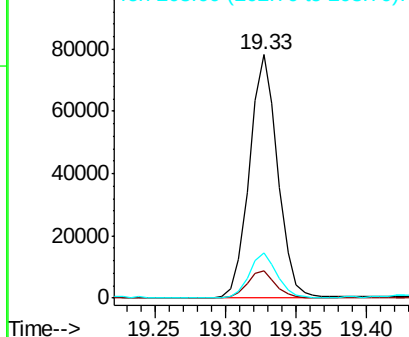


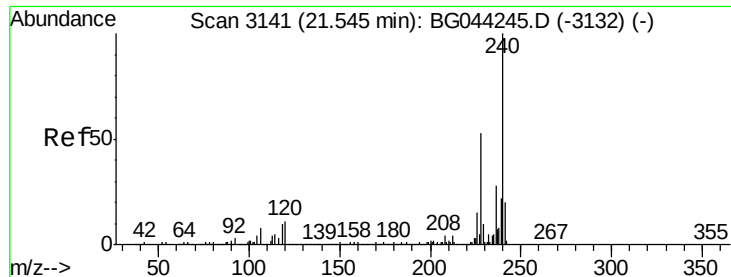
#75
Fluoranthene
Concen: 5.405 ng
RT: 19.33 min Scan# 2764
Delta R.T. -0.01 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Tgt Ion:202 Resp: 110517
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 18.7 0.0 39.9



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

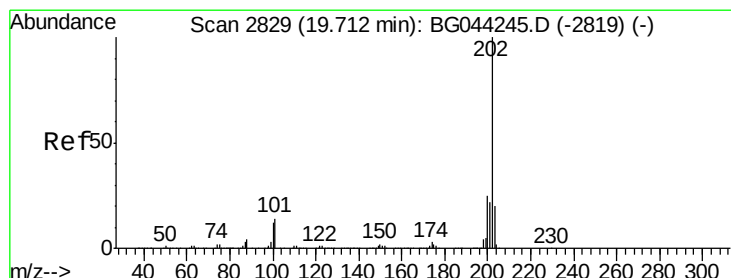
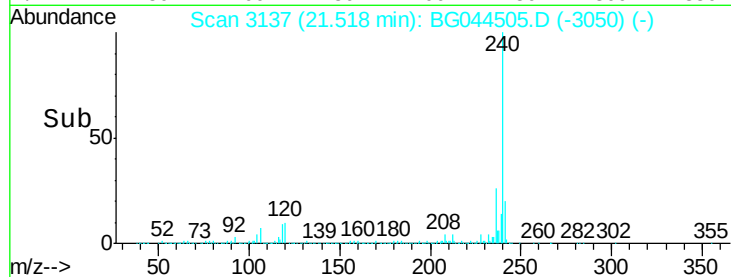
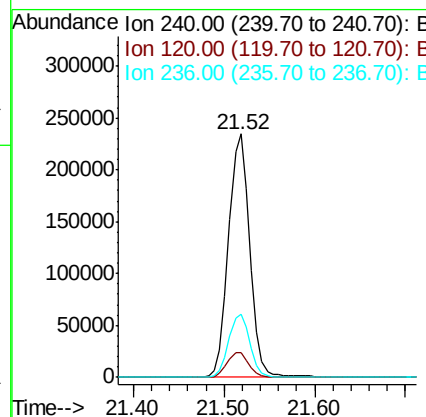
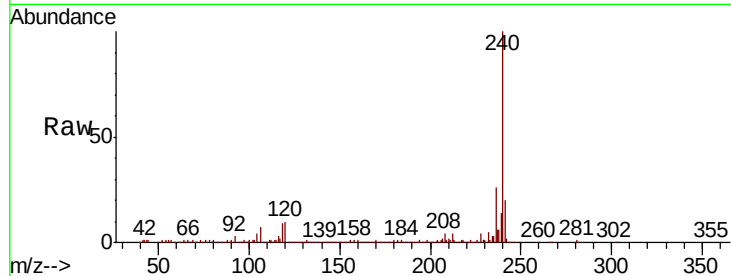




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. -0.02 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

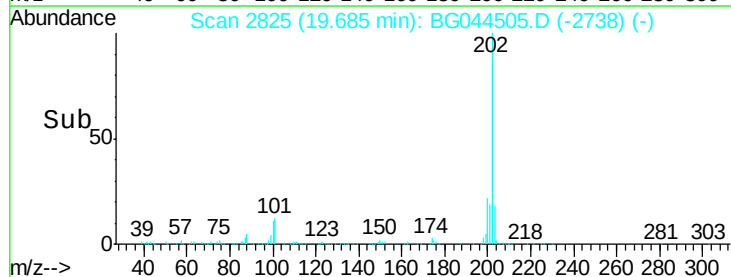
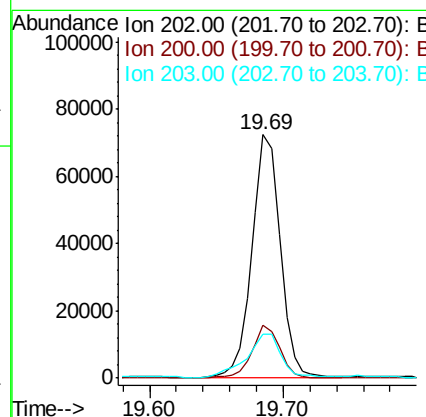
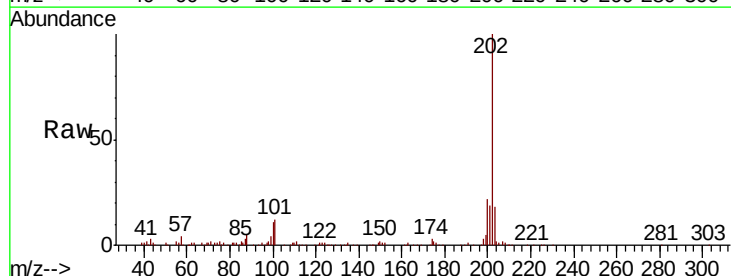
Instrument :
 BNA_G
 ClientSampleId :
 MARCY-GREEN-BH-02-B

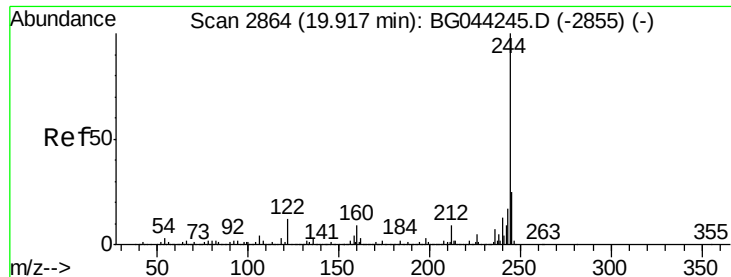
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.4	12.6
236	25.8	22.1	33.1



#78
 Pyrene
 Concen: 4.342 ng
 RT: 19.69 min Scan# 2825
 Delta R.T. -0.02 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	20.0	30.0
203	18.1	16.2	24.2





#79

Terphenyl-d14

Concen: 58.139 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampleId :

MARCY-GREEN-BH-02-B

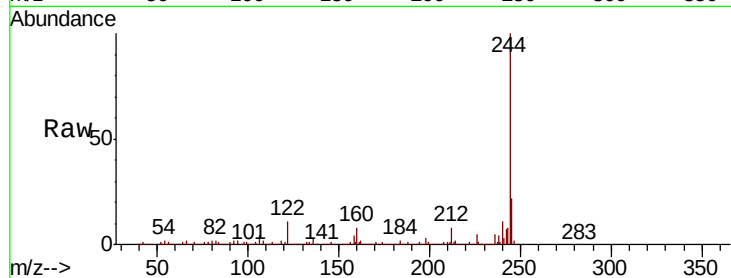
Tot Ion:244 Resp: 1077881

Ion Ratio Lower Upper

244 100

212 7.8 7.4 11.2

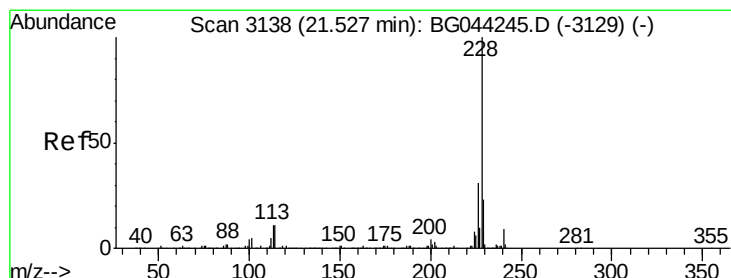
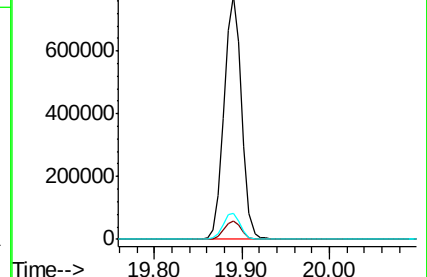
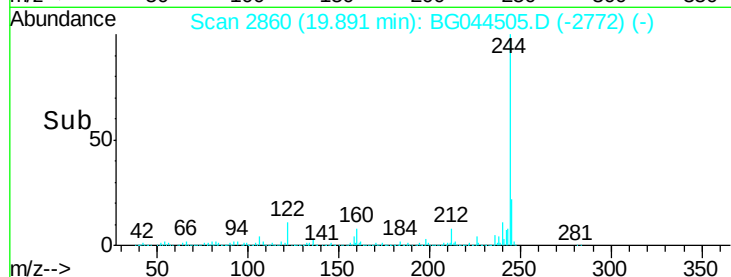
122 10.6 9.8 14.6



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



#81

Benzo(a)anthracene

Concen: 2.478 ng

RT: 21.49 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

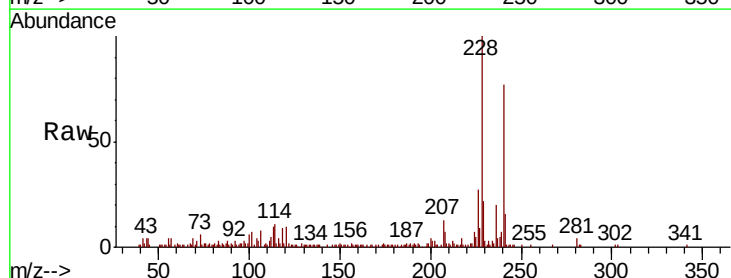
Tgt Ion:228 Resp: 58249

Ion Ratio Lower Upper

228 100

226 27.1 24.7 37.1

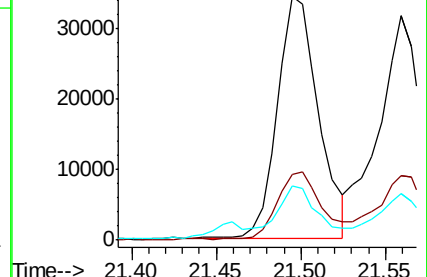
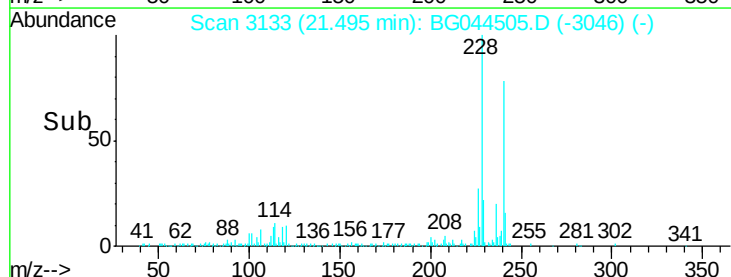
229 22.1 18.2 27.4

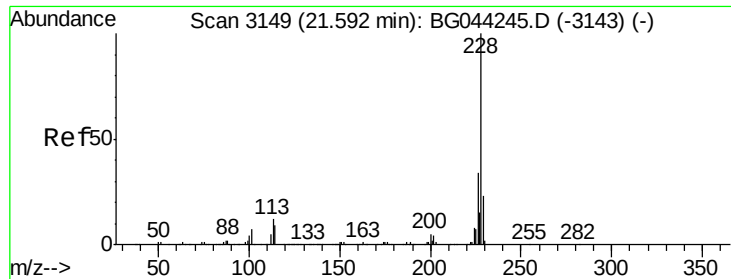


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.473 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampleId :

MARCY-GREEN-BH-02-B

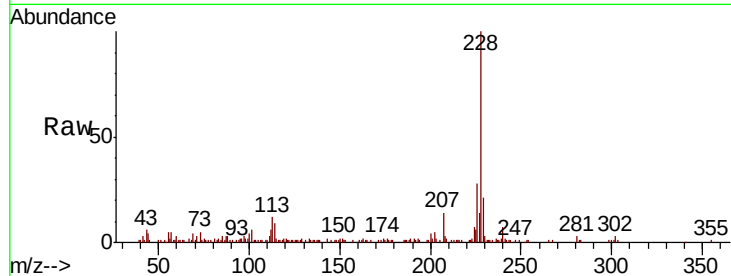
Tot Ion:228 Resp: 56174

Ion Ratio Lower Upper

228 100

226 28.5 27.1 40.7

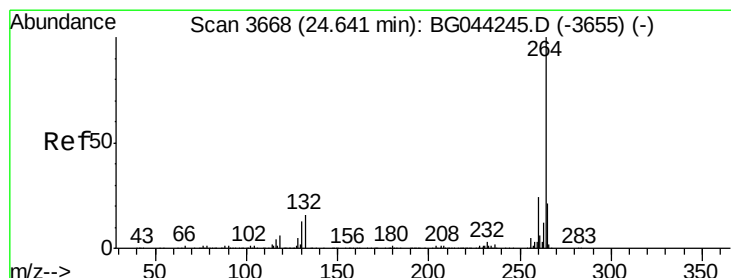
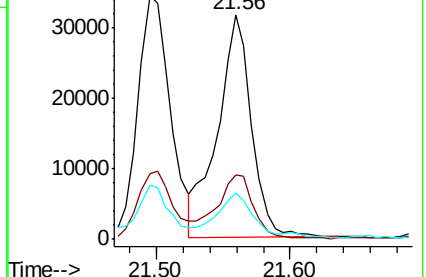
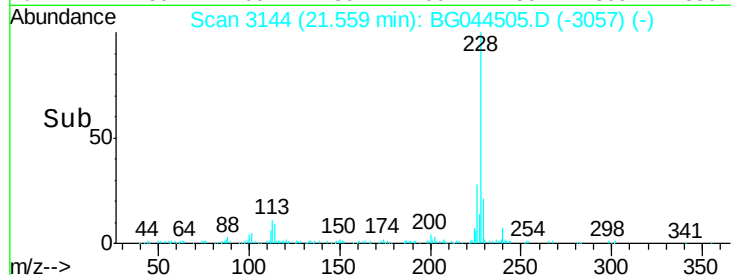
229 20.6 17.9 26.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.60 min Scan# 3661

Delta R.T. -0.02 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

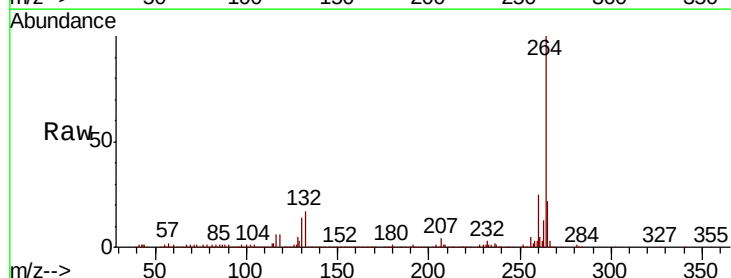
Tgt Ion:264 Resp: 402701

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

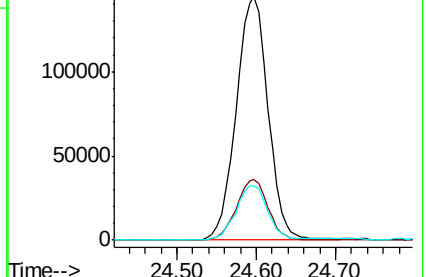
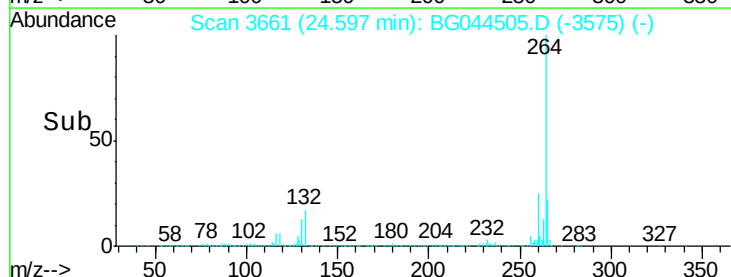
265 22.3 16.7 25.1

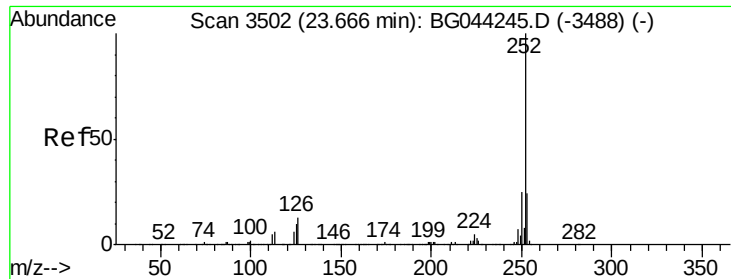


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

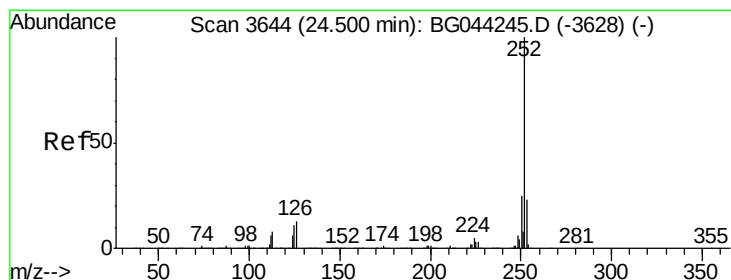
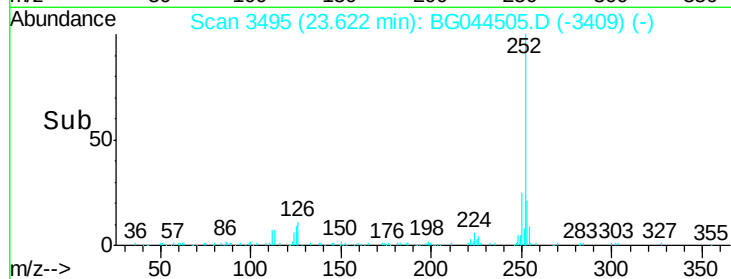
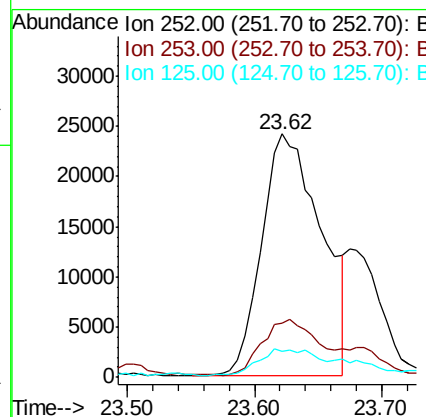
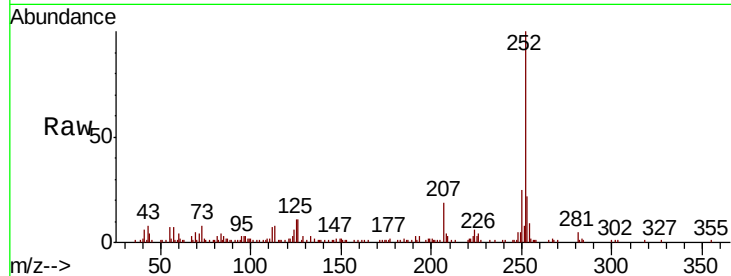




#88
Benzo(b)fluoranthene
Concen: 3.402 ng
RT: 23.62 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

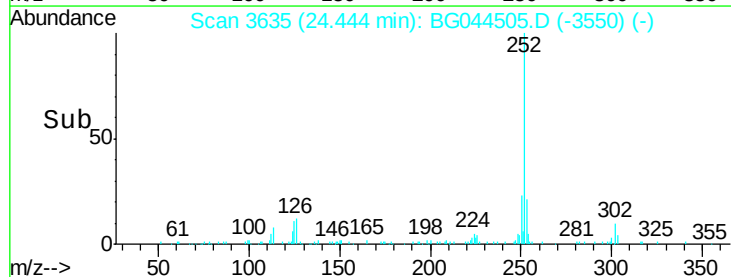
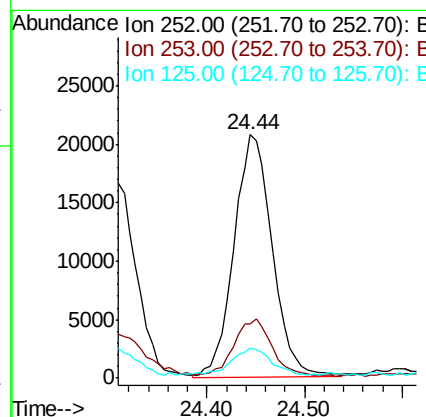
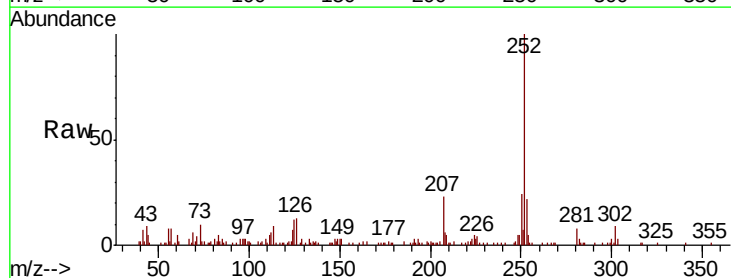
Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-B

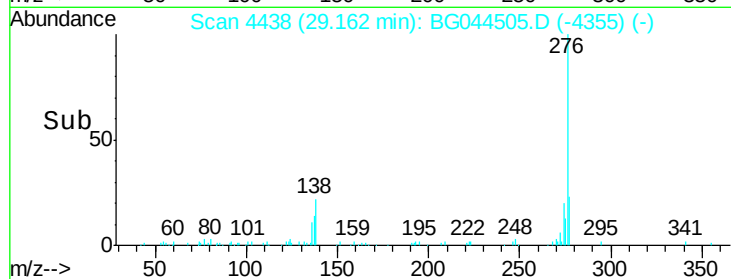
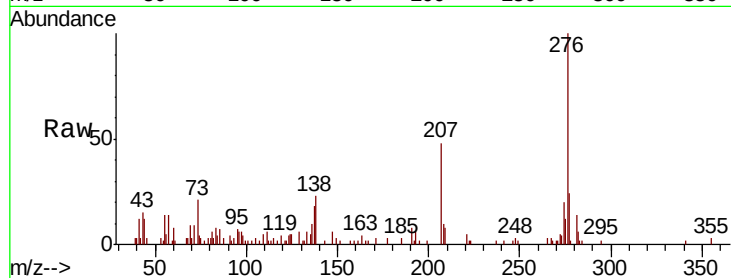
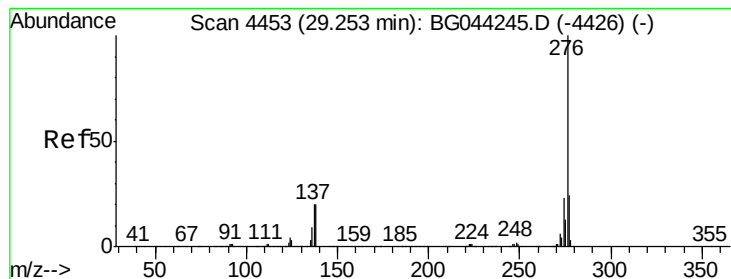
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.2	28.8
125	10.6	8.4	12.6



#90
Benzo(a)pyrene
Concen: 2.585 ng
RT: 24.44 min Scan# 3635
Delta R.T. -0.03 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	12.3	8.6	13.0





#92

Benzo(a,h,i)perylene

Concen: 2.124 ng

RT: 29.16 min Scan# 4438

Delta R.T. -0.04 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampleId :

MARCY-GREEN-BH-02-B

Tot Ion:276 Resp: 46162

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 22.8 16.2 24.2

