

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052820\
 Data File : BG045496.D
 Acq On : 28 May 2020 14:12
 Operator : CG/JU
 Sample : L2771-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ISLAND-BETWEEN-G-H-4

Quant Time: May 28 14:58:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:15:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	79688	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	324248	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	233215	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	510037	20.00	ng	0.00
76) Chrysene-d12	21.60	240	431103	20.00	ng	0.00
87) Perylene-d12	24.75	264	476594	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	390668	95.81	ng	0.00
7) Phenol-d6	7.17	99	606196	104.45	ng	0.00
23) Nitrobenzene-d5	9.12	82	436218	73.36	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	330320	110.75	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1056343	76.83	ng	0.00
79) Terphenyl-d14	19.96	244	1522607	82.37	ng	0.00

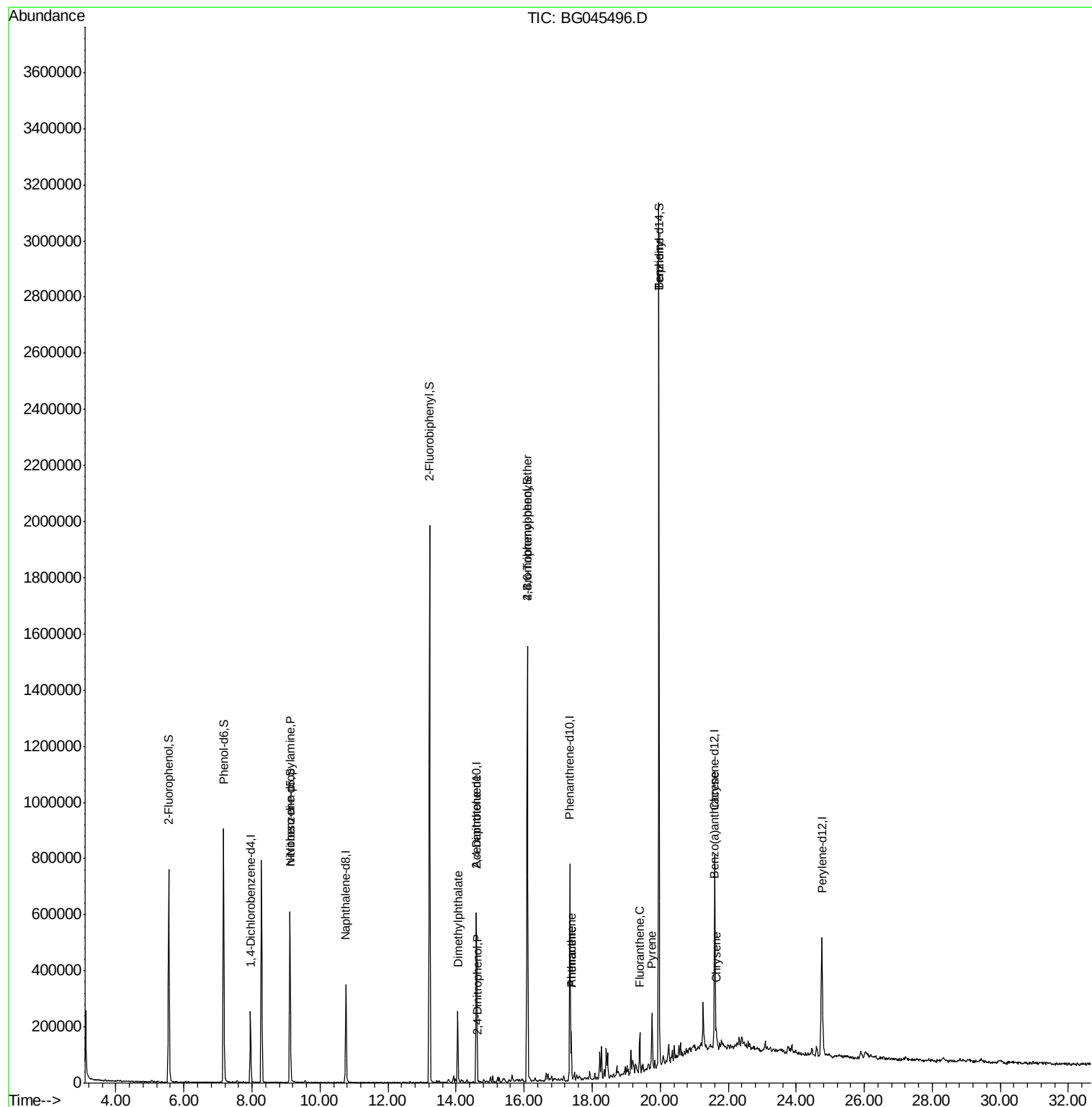
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.12	70	58730	14.634	ng	# 83
50) Dimethylphthalate	14.05	163	175478	10.968	ng	99
54) 2,4-Dinitrophenol	14.64	184	54	5.480	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	30310	5.797	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	22632	4.098	ng	# 1
71) Phenanthrene	17.39	178	111335	5.000	ng	97
72) Anthracene	17.39	178	111335	4.979	ng	97
75) Fluoranthene	19.40	202	79427	2.805	ng	100
77) Benzidine	19.96	184	28727	2.373	ng	# 92
78) Pyrene	19.76	202	131202	5.339	ng	98
81) Benzo(a)anthracene	21.59	228	49899	2.078	ng	98
83) Chrysene	21.65	228	52212	2.261	ng	96

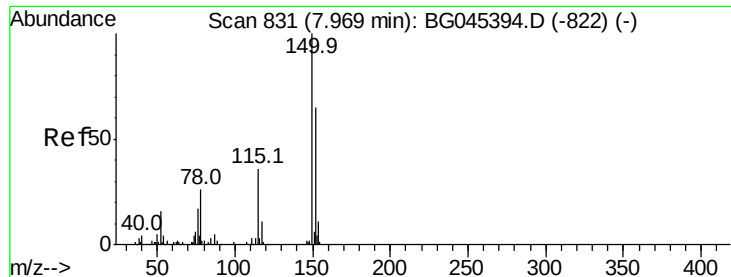
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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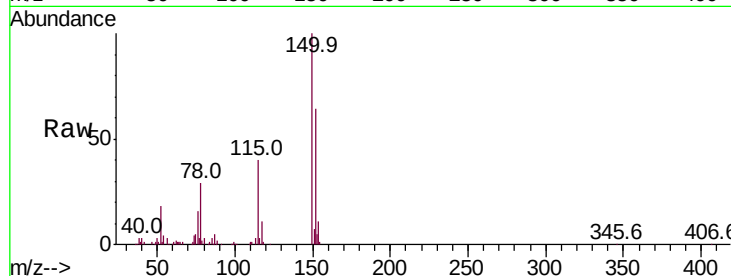


#1

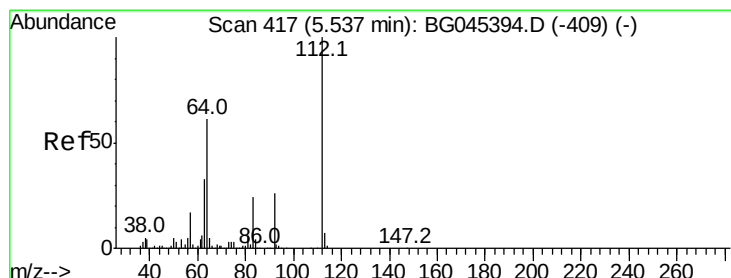
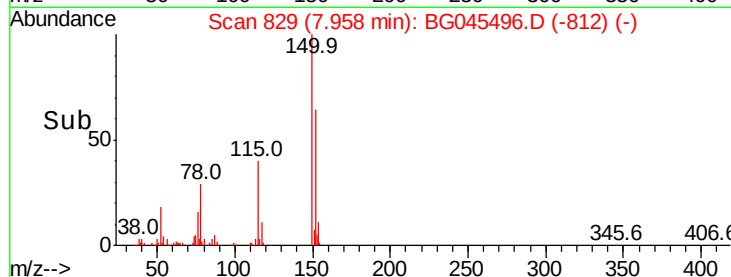
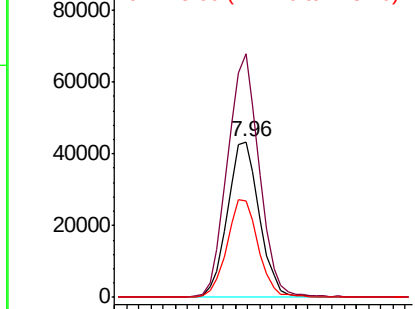
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045496.D
Acq: 28 May 2020 14:12

Instrument :
BNA_G
ClientSampleId :
ISLAND-BETWEEN-G-H-4

Tot Ion:152 Resp: 79688
Ion Ratio Lower Upper
152 100
150 156.7 122.4 183.6
115 62.1 44.2 66.4



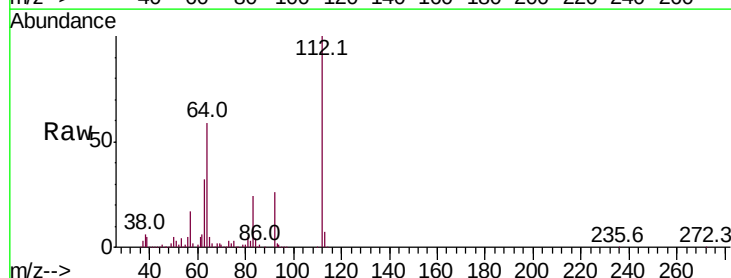
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



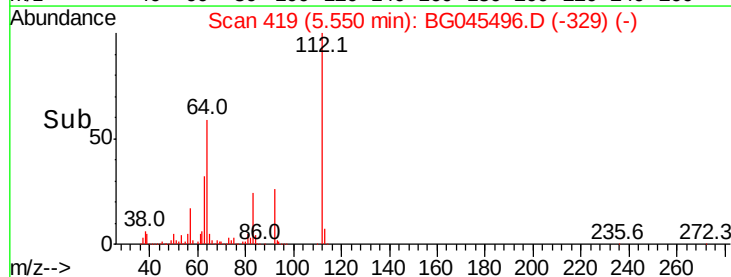
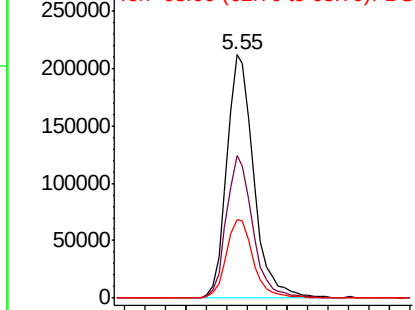
#5

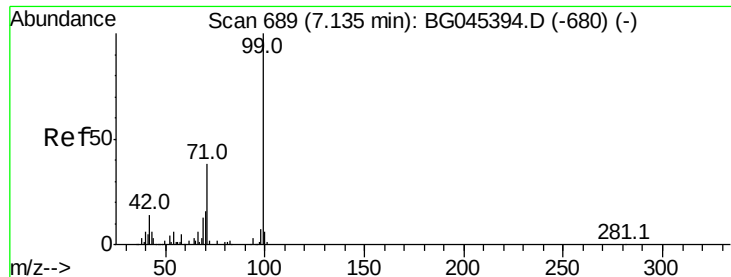
2-Fluorophenol
Concen: 95.809 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.00 min
Lab File: BG045496.D
Acq: 28 May 2020 14:12

Tgt Ion:112 Resp: 390668
Ion Ratio Lower Upper
112 100
64 58.7 48.6 72.8
63 32.1 26.5 39.7



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: 104.451 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

Instrument :

BNA_G

ClientSampleId :

ISLAND-BETWEEN-G-H-4

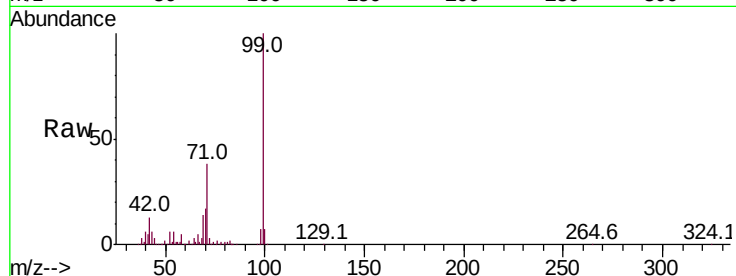
Tot Ion: 99 Resp: 606196

Ion Ratio Lower Upper

99 100

42 13.3 11.3 16.9

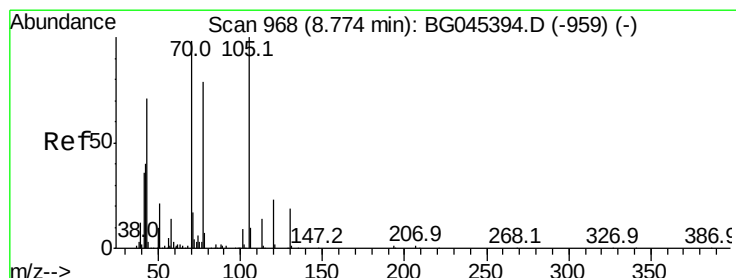
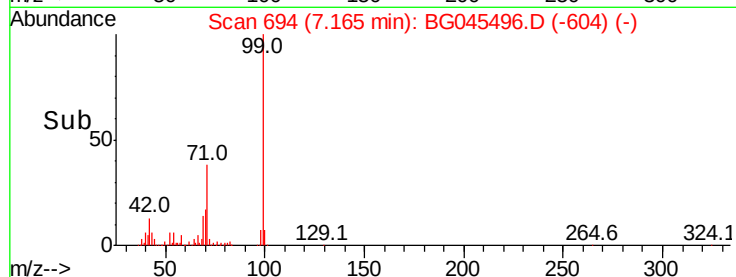
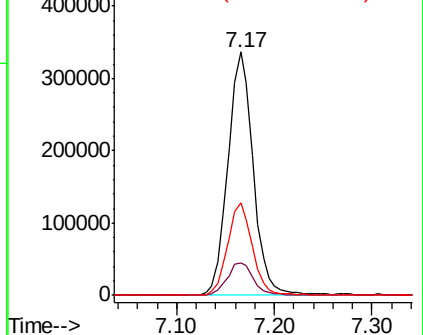
71 38.2 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.634 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

Tgt Ion: 70 Resp: 58730

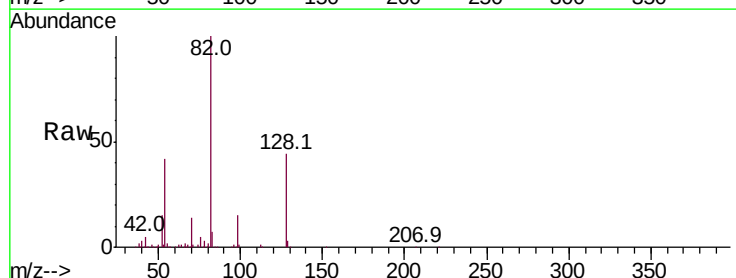
Ion Ratio Lower Upper

70 100

42 38.4 33.2 49.8

101 0.0 7.8 11.6#

130 1.7 15.4 23.2#

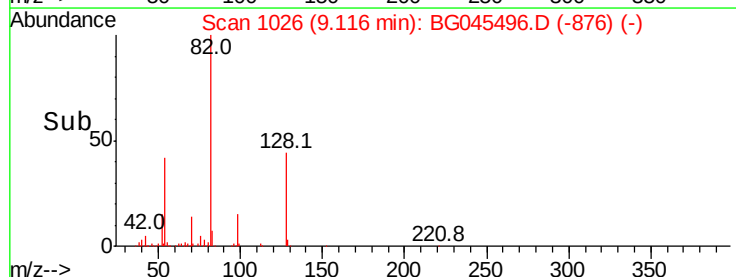
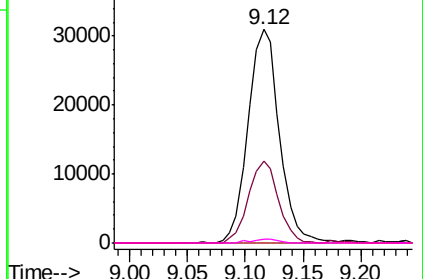


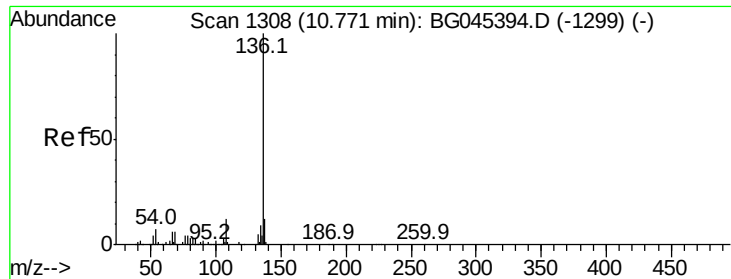
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

Instrument :

BNA_G

ClientSampleId :

ISLAND-BETWEEN-G-H-4

Tot Ion:136 Resp: 324248

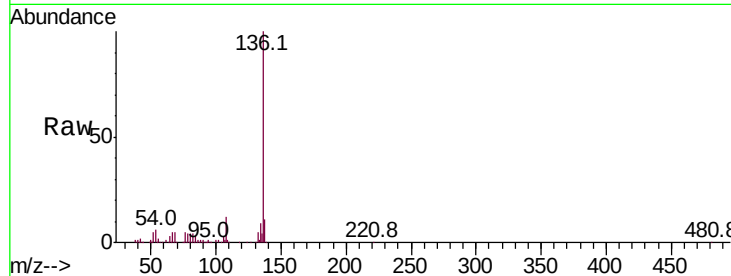
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.2

54 6.1 5.8 8.6

68 4.6 4.5 6.7

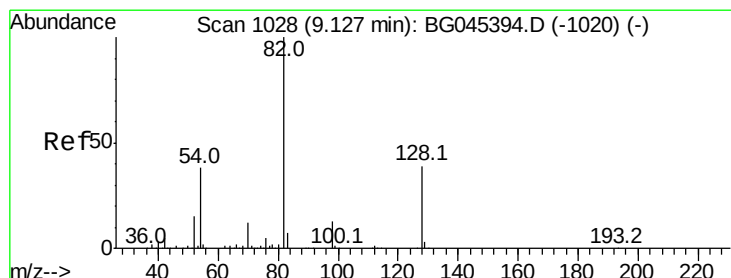
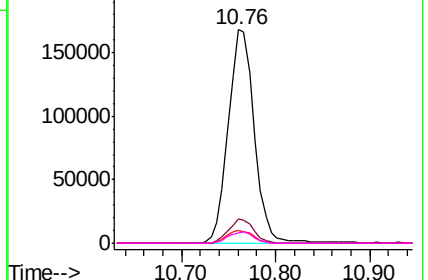
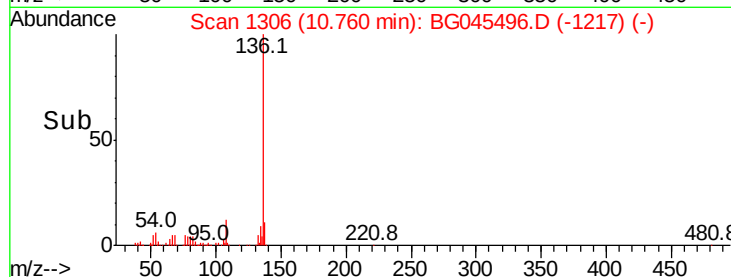


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 73.363 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

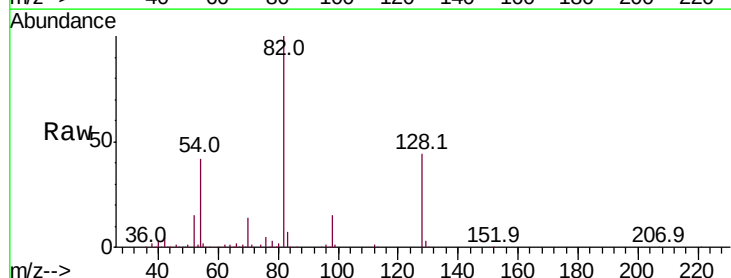
Tgt Ion: 82 Resp: 436218

Ion Ratio Lower Upper

82 100

128 43.6 30.9 46.3

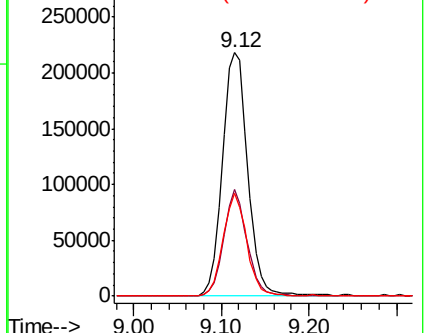
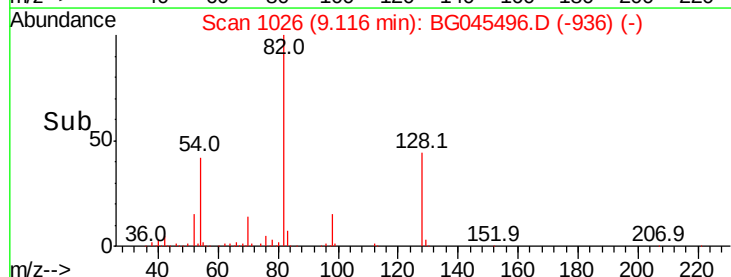
54 42.1 30.3 45.5

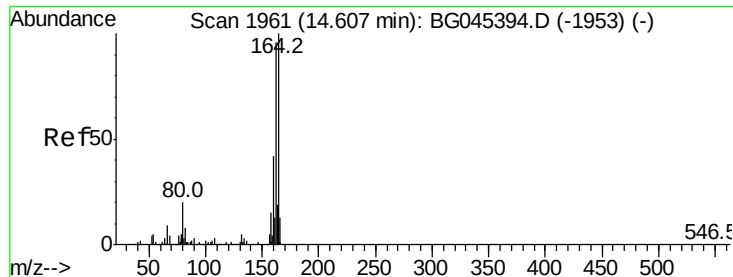


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

Instrument :

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ISLAND-BETWEEN-G-H-4

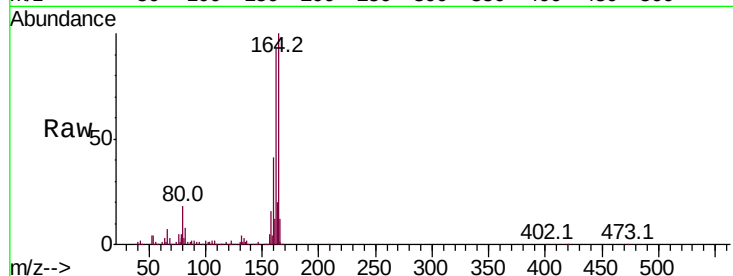
Tot Ion:164 Resp: 233215

Ion Ratio Lower Upper

164 100

162 92.6 76.9 115.3

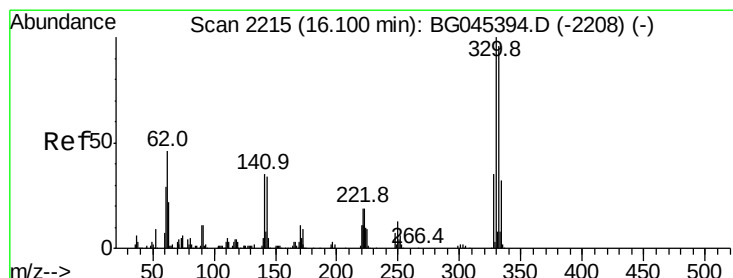
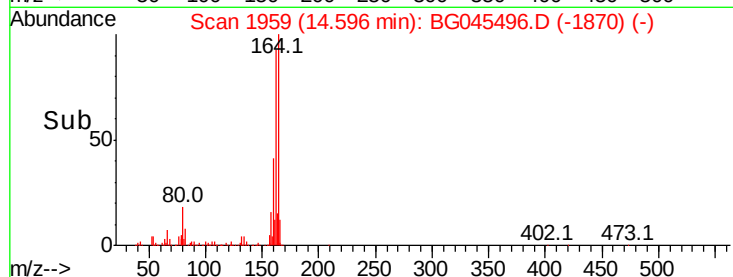
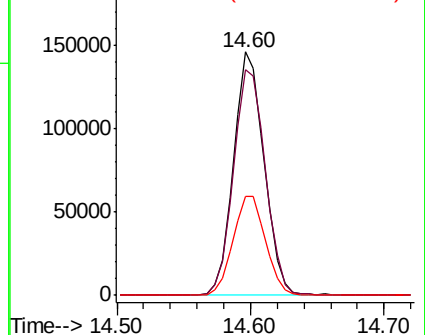
160 40.7 33.8 50.8



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: 110.751 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

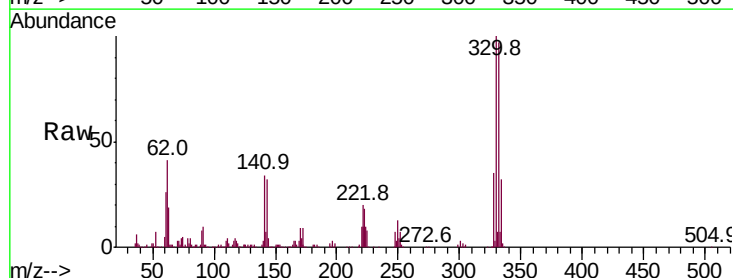
Tgt Ion:330 Resp: 330320

Ion Ratio Lower Upper

330 100

332 96.7 78.2 117.4

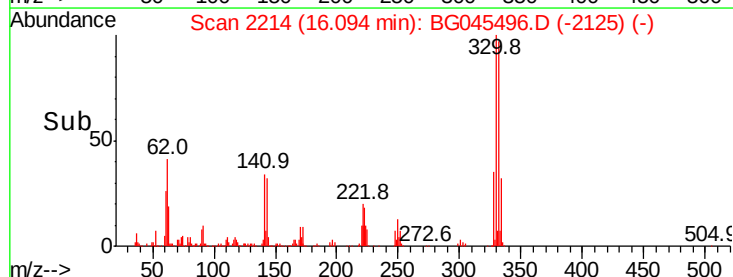
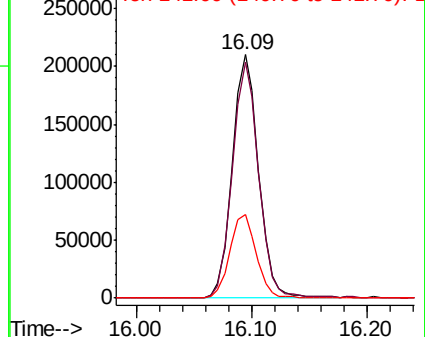
141 34.9 28.2 42.4

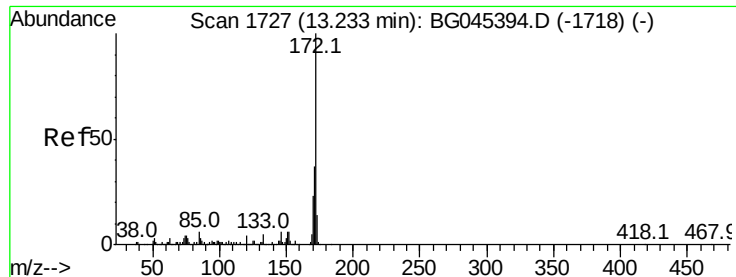


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

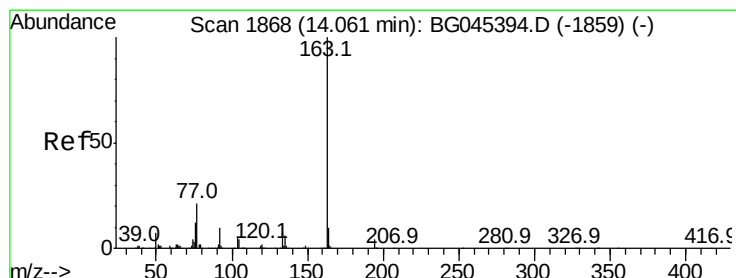
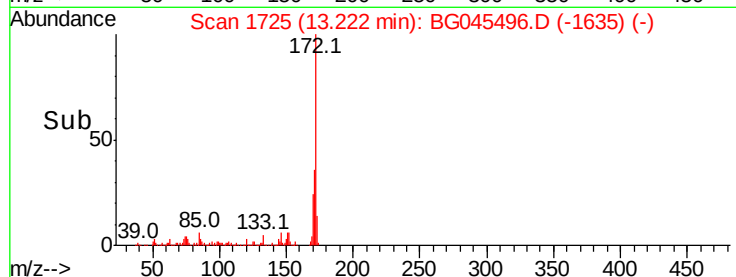
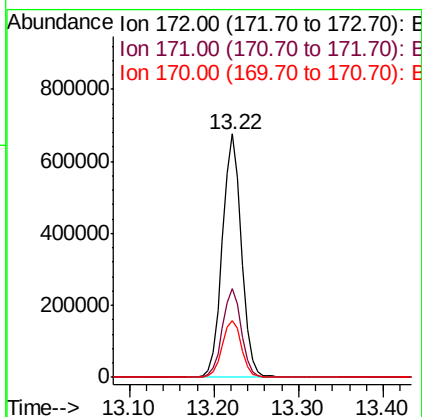
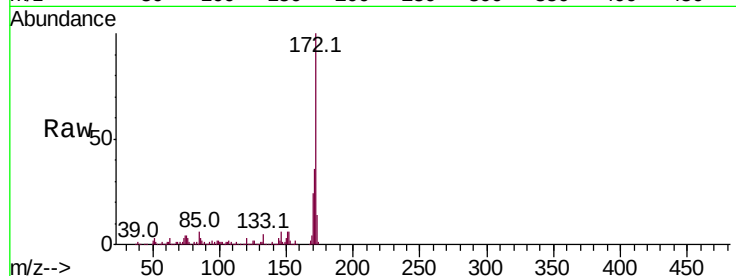




#45
2-Fluorobiphenyl
Concen: 76.829 ng
RT: 13.22 min Scan# 1725
Delta R.T. 0.00 min
Lab File: BG045496.D
Acq: 28 May 2020 14:12

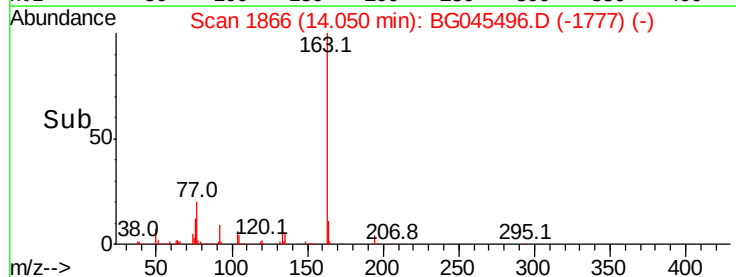
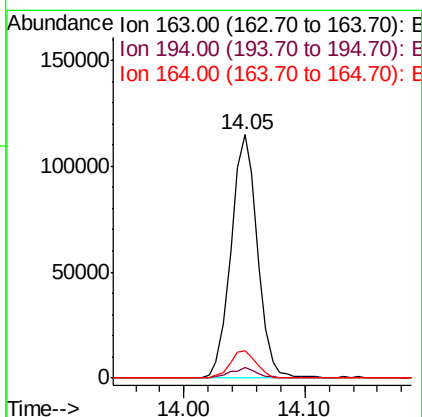
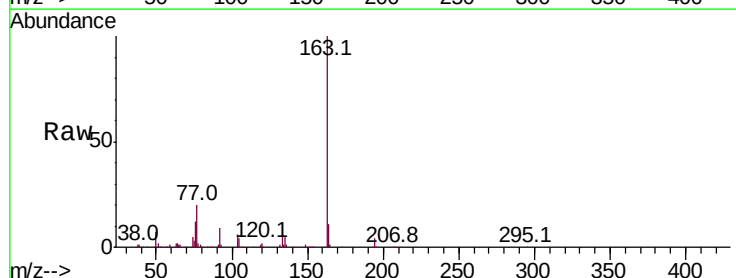
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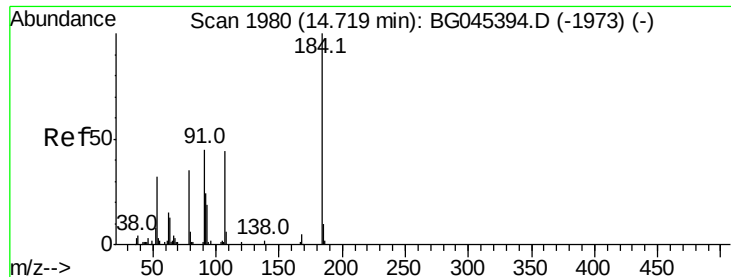
Tot Ion:172 Resp: 1056343
Ion Ratio Lower Upper
172 100
171 36.3 29.5 44.3
170 23.5 18.5 27.7



#50
Dimethylphthalate
Concen: 10.968 ng
RT: 14.05 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BG045496.D
Acq: 28 May 2020 14:12

Tgt Ion:163 Resp: 175478
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 11.1 8.3 12.5

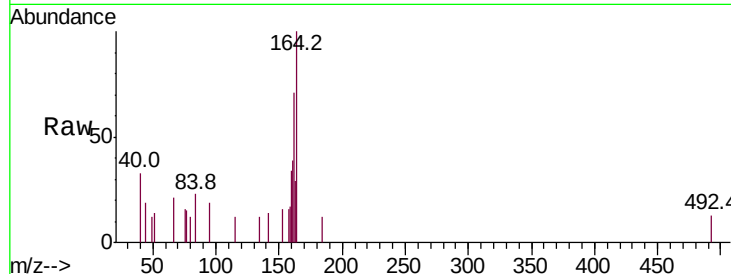




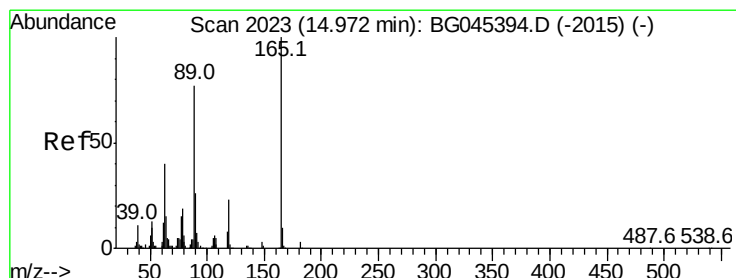
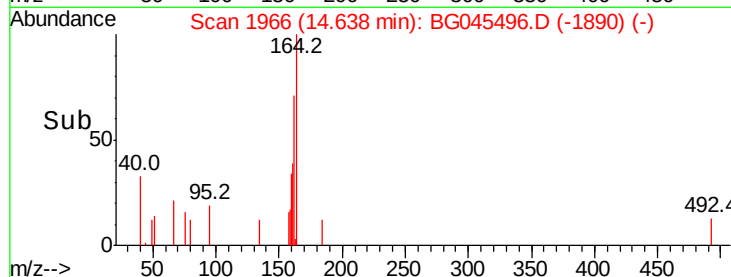
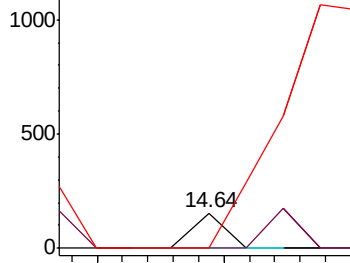
#54
2,4-Dinitrophenol
Concen: 5.480 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.08 min
Lab File: BG045496.D
Acq: 28 May 2020 14:12

Instrument :
BNA_G
ClientSampleId :
ISLAND-BETWEEN-G-H-4

Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 47.8 71.6#
154 0.0 58.3 87.5#

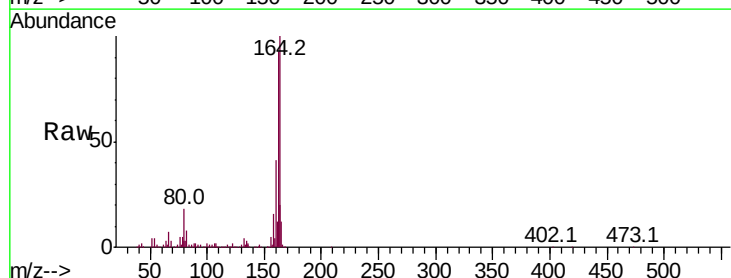


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

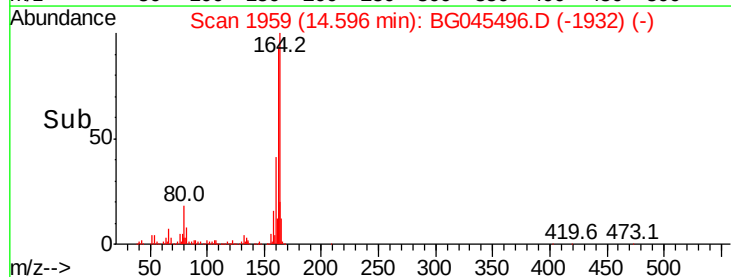
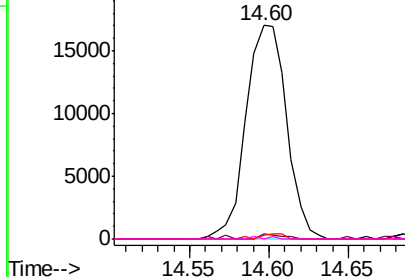


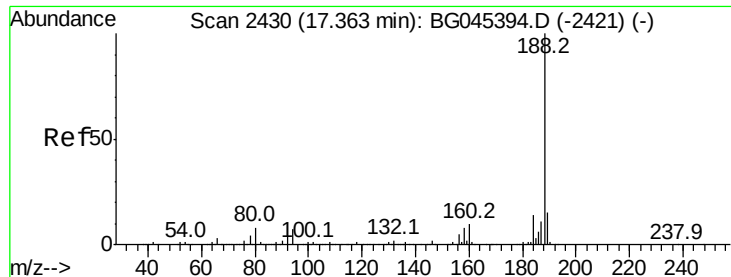
#57
2,4-Dinitrotoluene
Concen: 5.797 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.37 min
Lab File: BG045496.D
Acq: 28 May 2020 14:12

Tgt Ion:165 Resp: 30310
Ion Ratio Lower Upper
165 100
63 2.5 32.5 48.7#
89 1.7 61.8 92.6#
182 0.0 2.3 3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

Instrument :

BNA_G

ClientSampleId :

ISLAND-BETWEEN-G-H-4

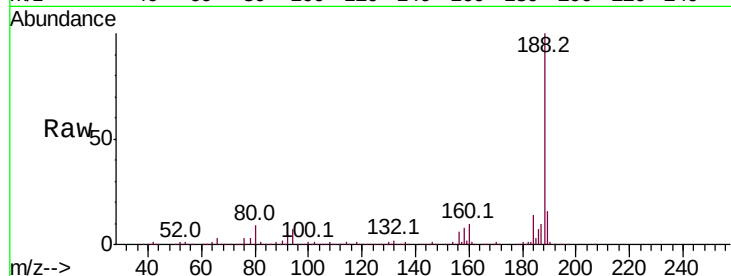
Tot Ion:188 Resp: 510037

Ion Ratio Lower Upper

188 100

94 7.1 5.5 8.3

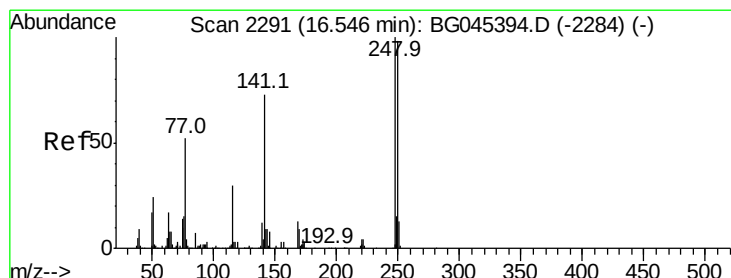
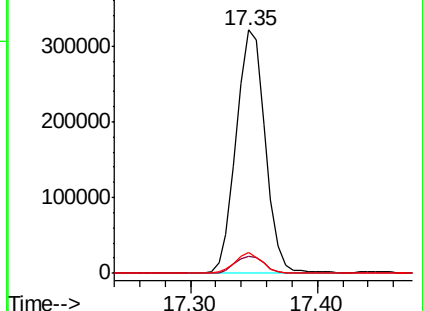
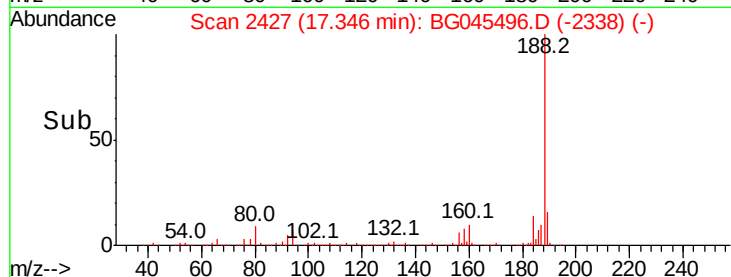
80 8.8 6.6 10.0



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: 4.098 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.44 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

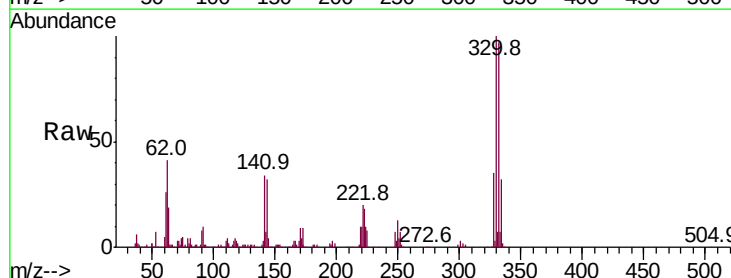
Tgt Ion:248 Resp: 22632

Ion Ratio Lower Upper

248 100

250 188.4 78.6 117.8#

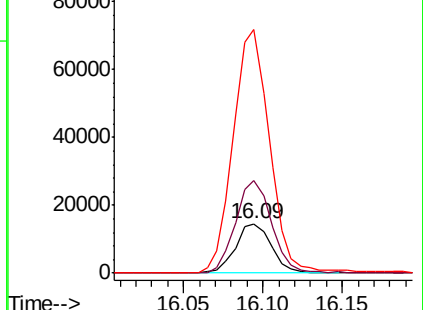
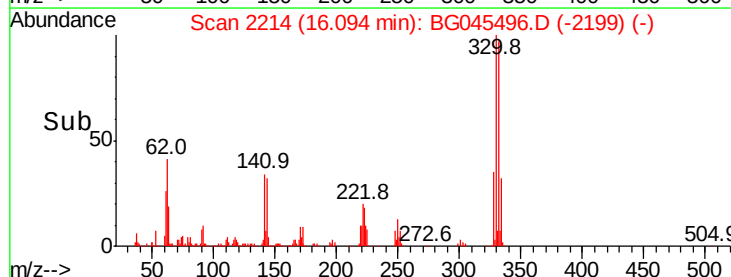
141 493.6 58.2 87.2#

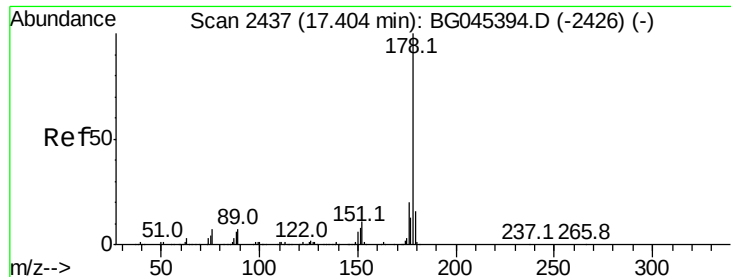


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

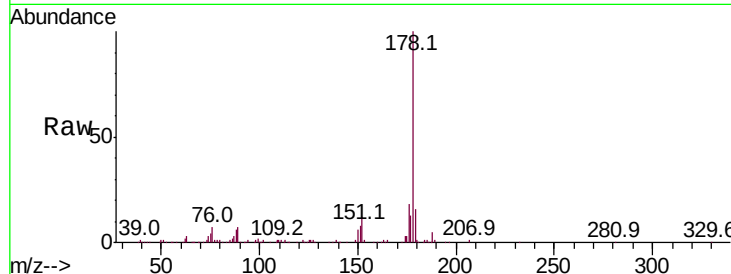




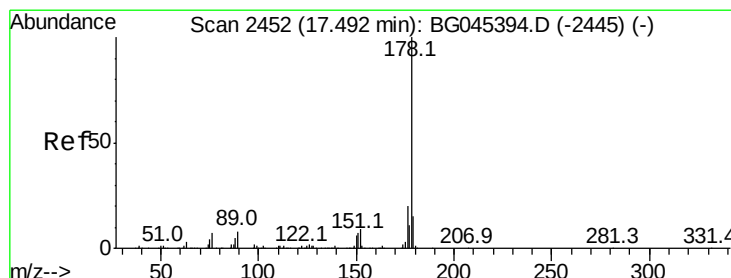
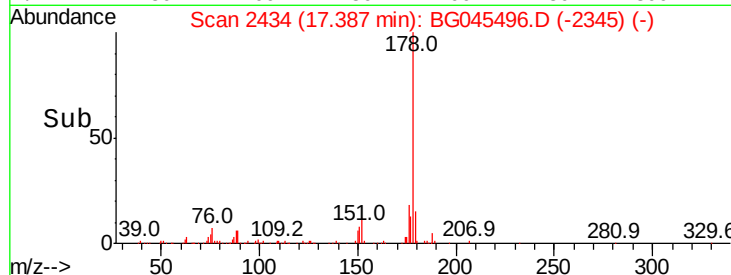
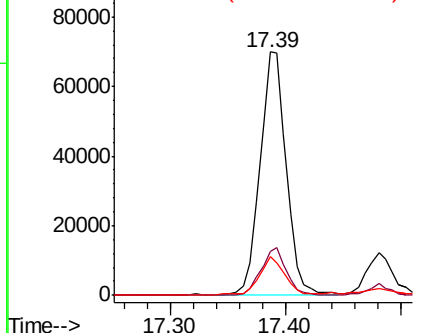
#71
 Phenanthrene
 Concen: 5.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BG045496.D
 Acq: 28 May 2020 14:12

Instrument :
 BNA_G
 ClientSampleId :
 ISLAND-BETWEEN-G-H-4

Tot Ion:178 Resp: 111335
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.2 24.4
 179 16.1 13.1 19.7

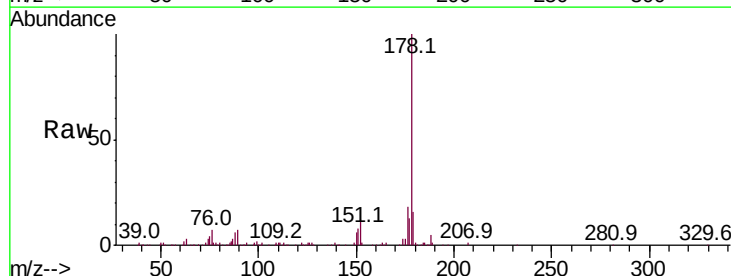


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

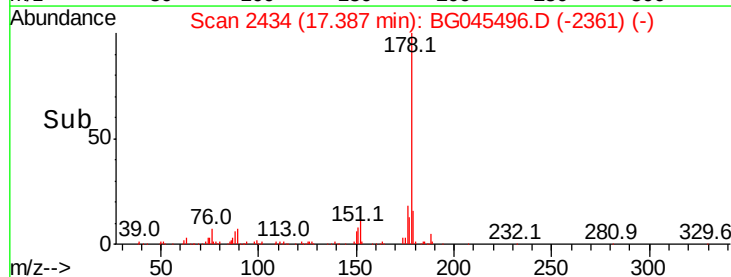
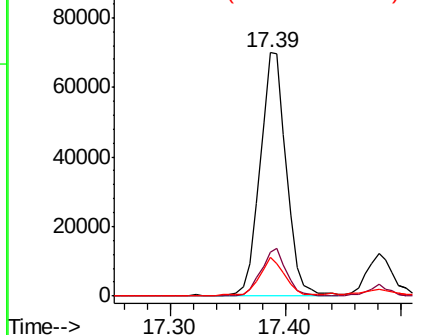


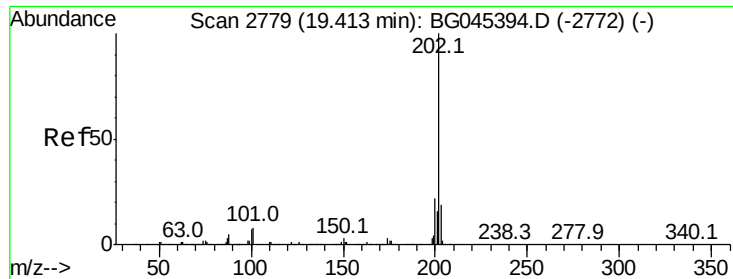
#72
 Anthracene
 Concen: 4.979 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.10 min
 Lab File: BG045496.D
 Acq: 28 May 2020 14:12

Tgt Ion:178 Resp: 111335
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.8 23.6
 179 16.1 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





#75

Fluoranthene

Concen: 2.805 ng

RT: 19.40 min Scan# 2777

Delta R.T. 0.00 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

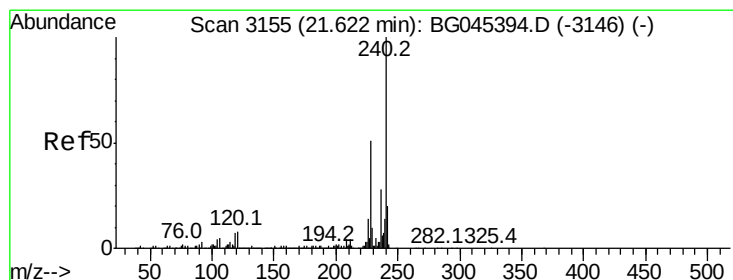
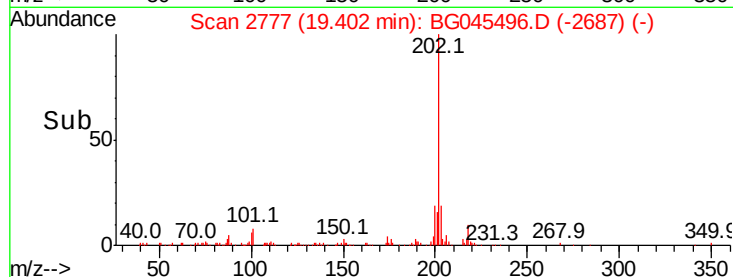
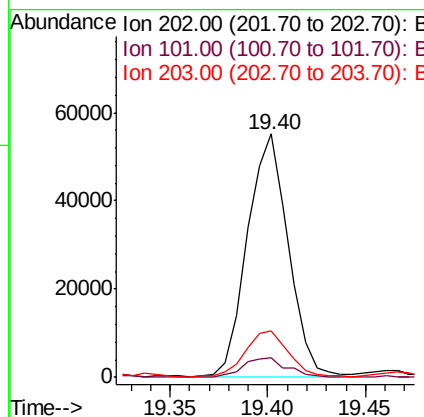
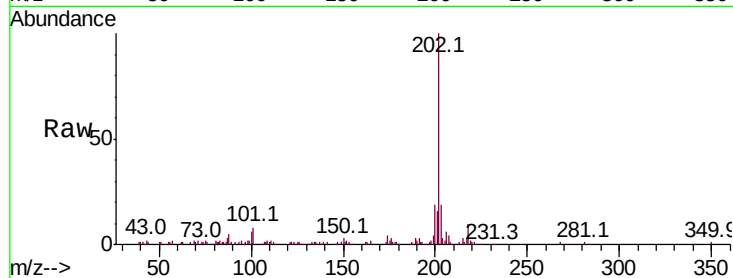
Instrument :

BNA_G

ClientSampleId :

ISLAND-BETWEEN-G-H-4

Tot Ion:	202	Resp:	79427
Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.3
203	19.1	0.0	39.0



#76

Chrysene-d12

Concen: 20.000 ng

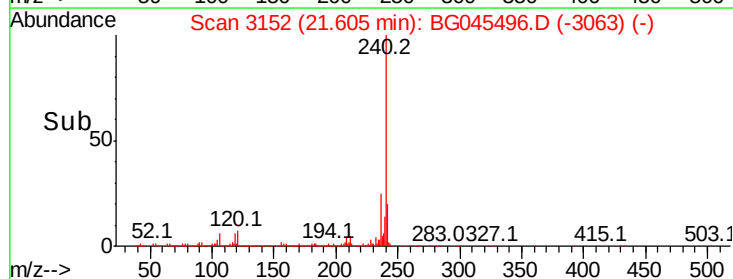
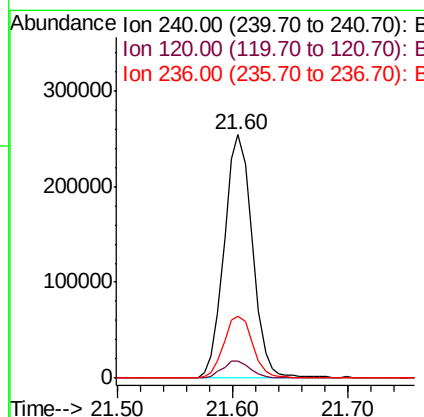
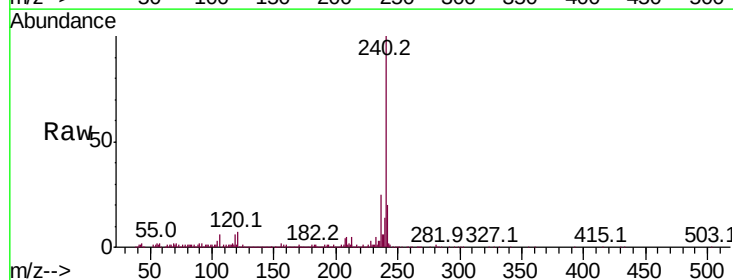
RT: 21.60 min Scan# 3152

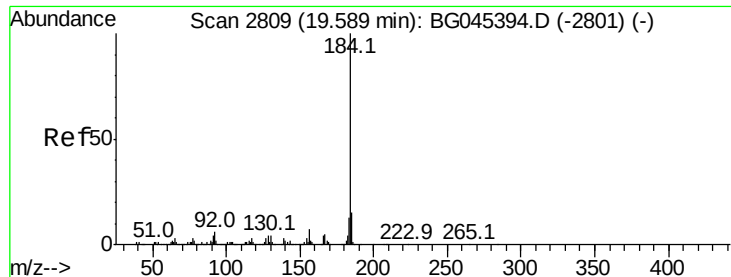
Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

Tgt Ion:	240	Resp:	431103
Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.1	9.1
236	25.5	22.3	33.5





#77

Benzidine

Concen: 2.373 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

Instrument :

BNA_G

ClientSampleId :

ISLAND-BETWEEN-G-H-4

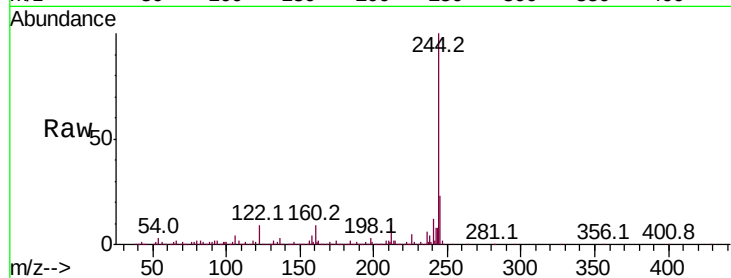
Tot Ion:184 Resp: 28727

Ion Ratio Lower Upper

184 100

185 16.1 11.7 17.5

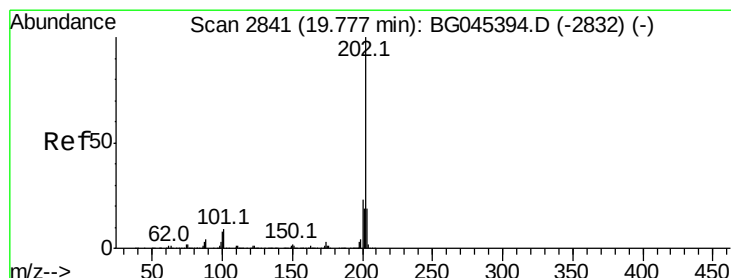
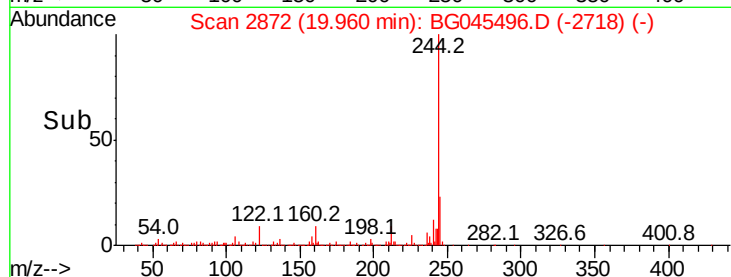
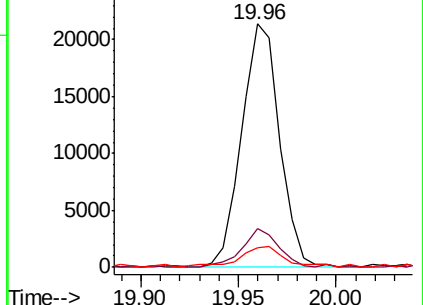
183 7.8 10.2 15.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.339 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

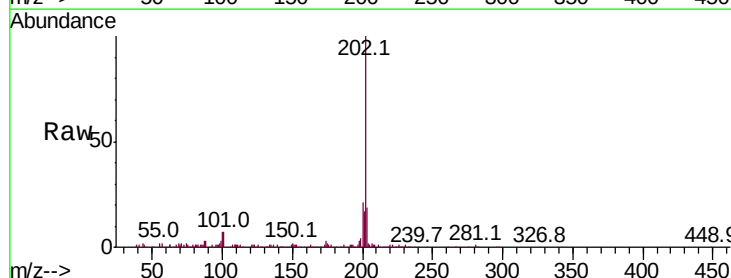
Tgt Ion:202 Resp: 131202

Ion Ratio Lower Upper

202 100

200 21.1 18.2 27.2

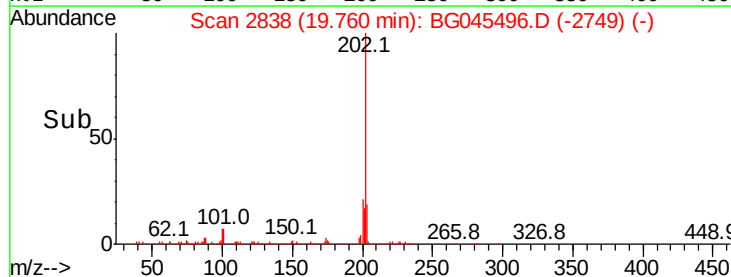
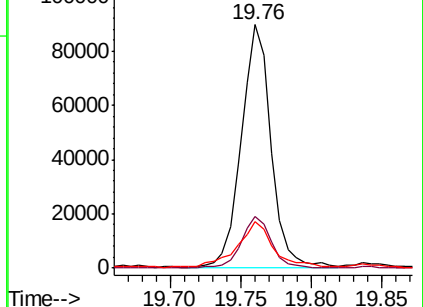
203 19.0 15.1 22.7

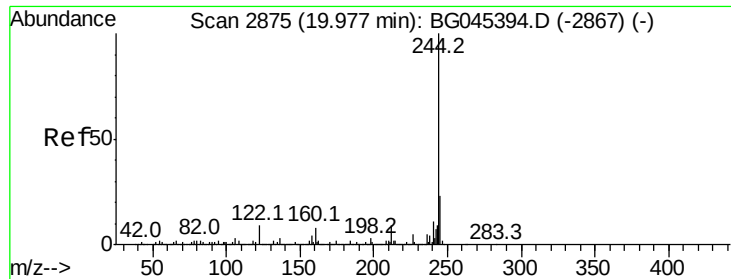


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 82.374 ng

RT: 19.96 min Scan# 2872

Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

Instrument :

BNA_G

ClientSampleId :

ISLAND-BETWEEN-G-H-4

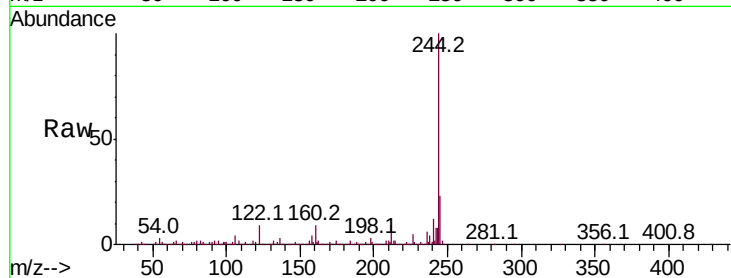
Tot Ion:244 Resp: 1522607

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.0

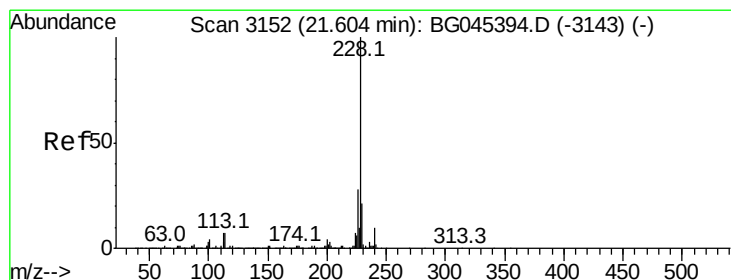
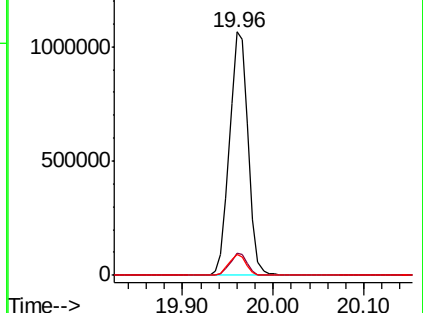
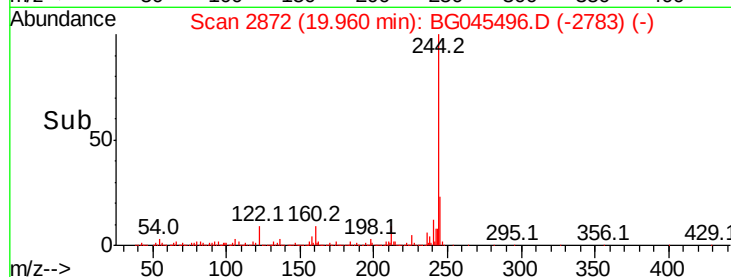
122 8.6 6.8 10.2



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



#81

Benzo(a)anthracene

Concen: 2.078 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

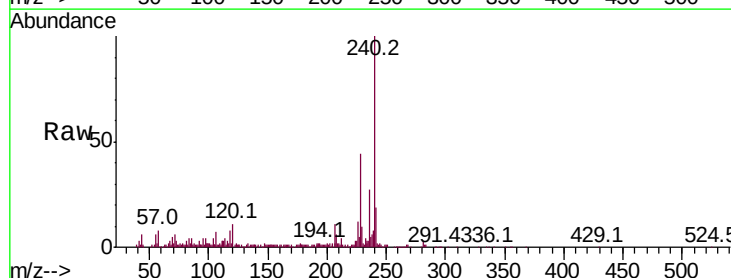
Tgt Ion:228 Resp: 49899

Ion Ratio Lower Upper

228 100

226 27.9 22.7 34.1

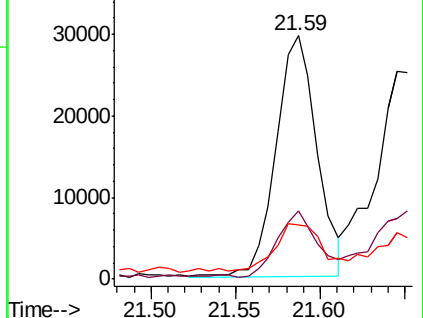
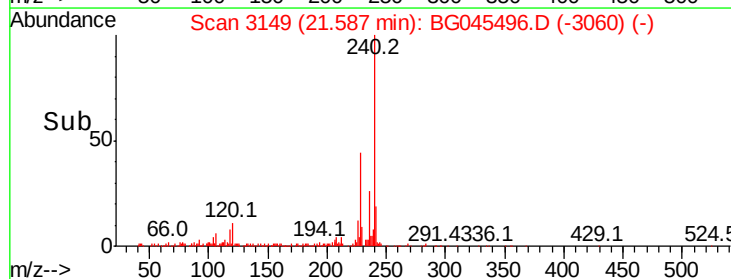
229 22.4 16.7 25.1

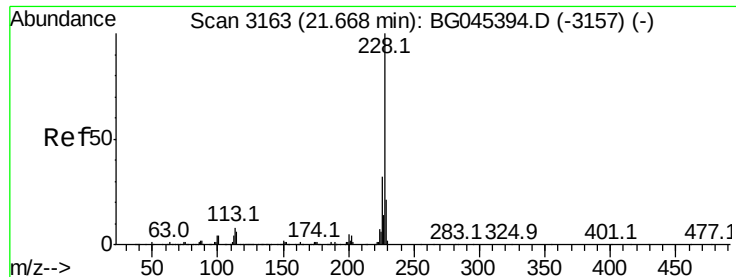


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.261 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

Instrument :

BNA_G

ClientSampleId :

ISLAND-BETWEEN-G-H-4

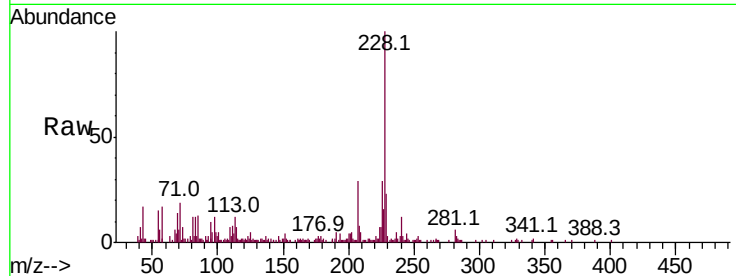
Tot Ion:228 Resp: 52212

Ion Ratio Lower Upper

228 100

226 28.9 25.2 37.8

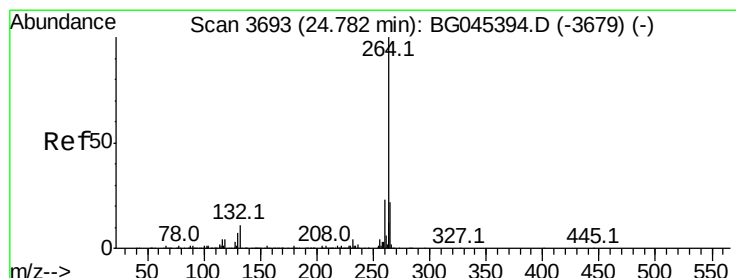
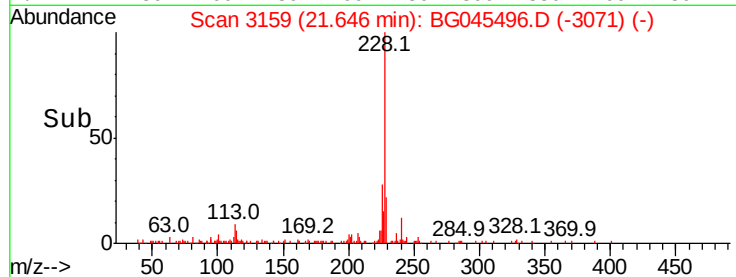
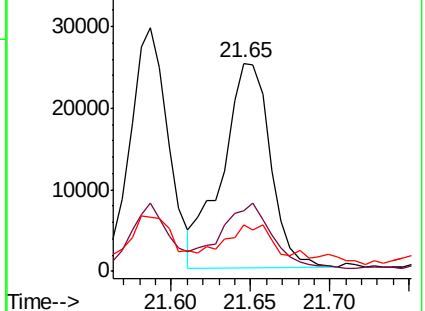
229 22.6 16.7 25.1



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: 24.75 min Scan# 3688

Delta R.T. -0.01 min

Lab File: BG045496.D

Acq: 28 May 2020 14:12

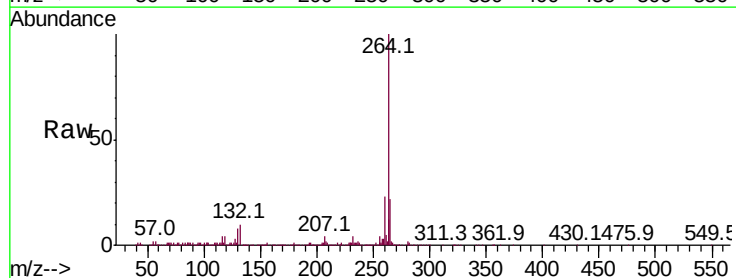
Tgt Ion:264 Resp: 476594

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 22.1 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

