

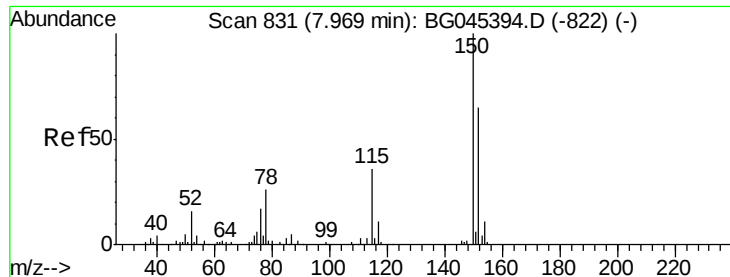
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045486.D
 Acq On : 27 May 2020 21:40
 Operator : CG/JU
 Sample : L2746-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 28 00:45:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 13:40:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	106382	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	445037	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	299624	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	615136	20.00	ng	0.00
76) Chrysene-d12	21.61	240	524642	20.00	ng	0.00
87) Perylene-d12	24.76	264	582468	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	395326	72.62	ng	0.00
7) Phenol-d6	7.18	99	631266	81.48	ng	0.00
23) Nitrobenzene-d5	9.12	82	446404	54.70	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	308898	80.61	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1054883	59.72	ng	0.00
79) Terphenyl-d14	19.96	244	1400472	62.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	59849	11.171	ng	Qvalue # 80
32) Benzoic acid	10.25	122	55	10.034	ng	# 1
50) Dimethylphthalate	14.05	163	121260	5.900	ng	99
57) 2,4-Dinitrotoluene	14.60	165	40385	6.012	ng	# 22
67) 4-Bromophenyl-phenylether	16.10	248	20764	3.117	ng	# 1
71) Phenanthrene	17.39	178	302370	11.260	ng	99
72) Anthracene	17.48	178	74385	2.758	ng	98
75) Fluoranthene	19.40	202	592151	17.336	ng	99
78) Pyrene	19.76	202	538202	17.996	ng	98
81) Benzo(a)anthracene	21.59	228	300536	10.283	ng	97
83) Chrysene	21.66	228	278122	9.897	ng	100
86) Indeno(1,2,3-cd)pyrene	28.32	276	188296	5.124	ng	96
88) Benzo(b)fluoranthene	23.77	252	388087	12.423	ng	96
89) Benzo(k)fluoranthene	23.77	252	388087	13.224	ng	97
90) Benzo(a)pyrene	24.61	252	290473	9.984	ng	97
92) Benzo(g,h,i)perylene	29.44	276	173859	5.946	ng	96

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

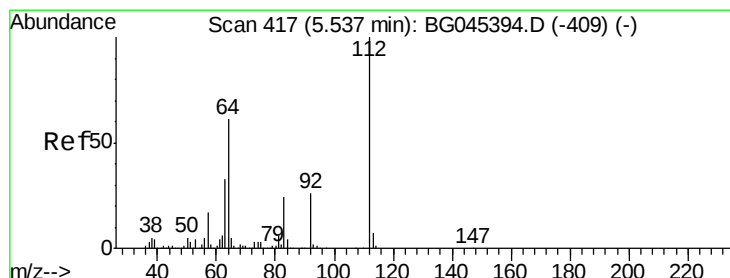
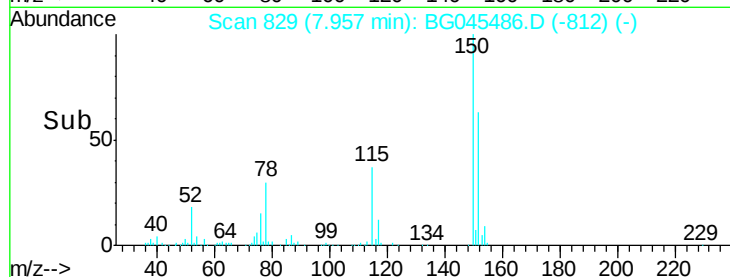
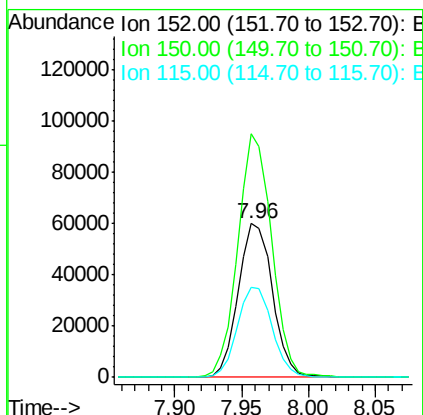
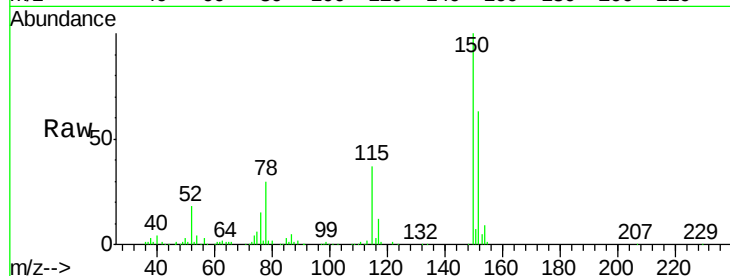


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

Instrument :
BNA_G
ClientSampleId :

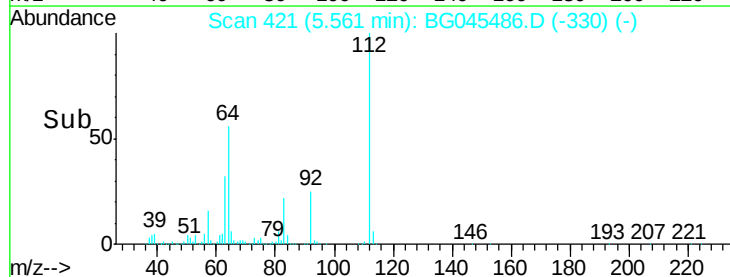
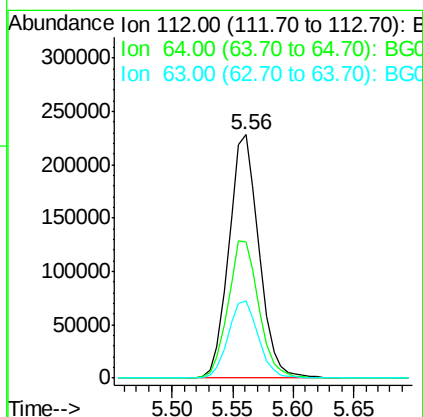
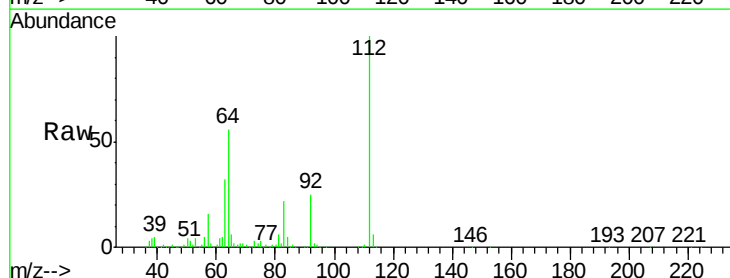
Tot Ion:152 Resp: 106382
Ion Ratio Lower Upper
152 100
150 158.4 122.4 183.6
115 58.6 44.2 66.4

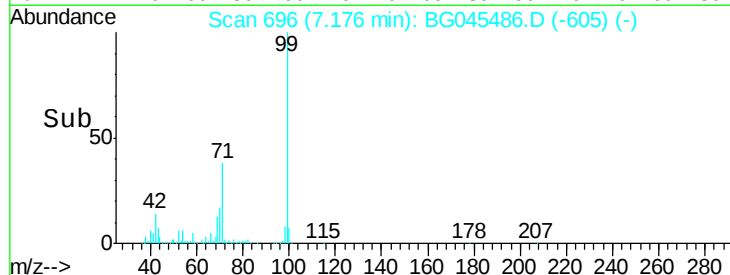
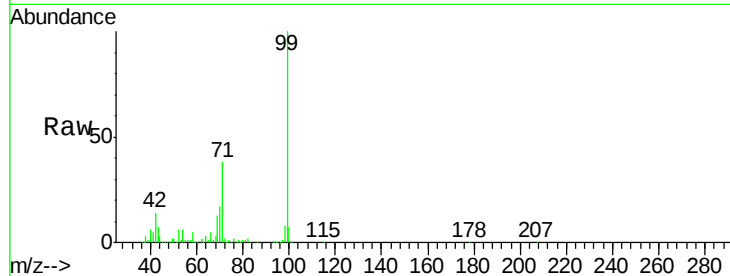


#5

2-Fluorophenol
Concen: 72.624 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.01 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

Tgt Ion:112 Resp: 395326
Ion Ratio Lower Upper
112 100
64 55.9 48.6 72.8
63 32.0 26.5 39.7





#7

Phenol-d6

Concen: 81.478 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

Instrument :

BNA_G

ClientSampled :

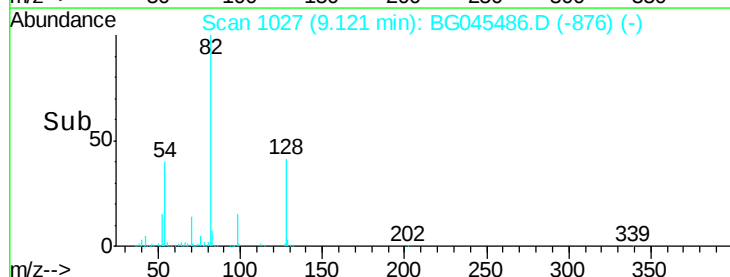
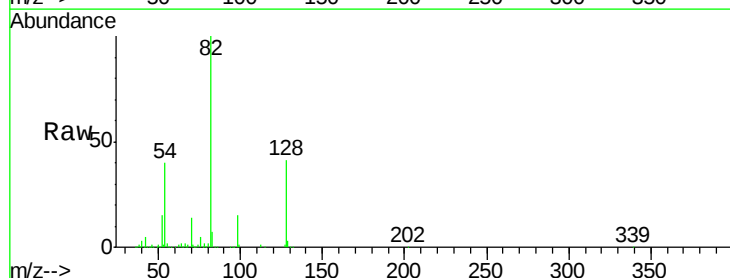
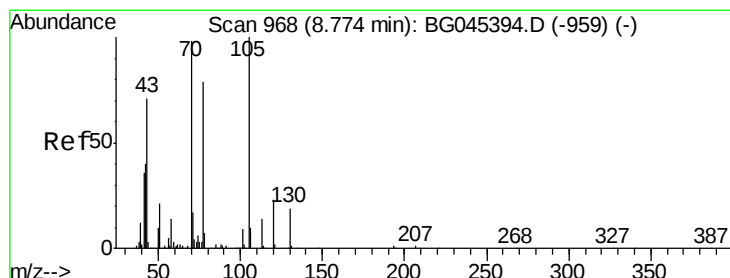
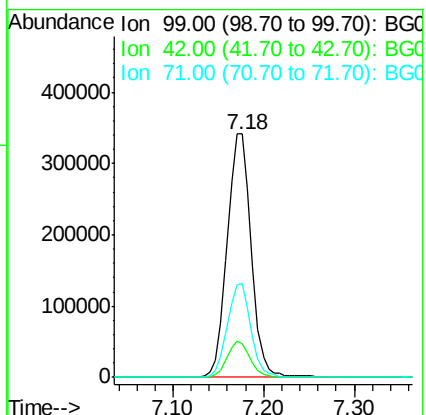
Tot Ion: 99 Resp: 631266

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

71 38.5 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.171 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

Tgt Ion: 70 Resp: 59849

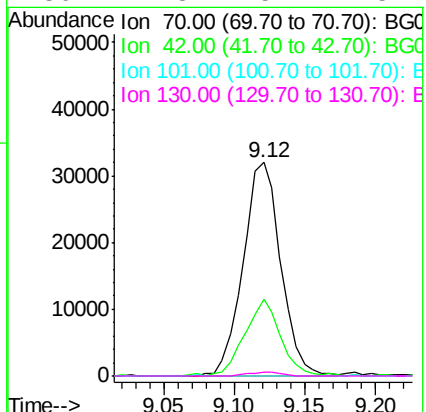
Ion Ratio Lower Upper

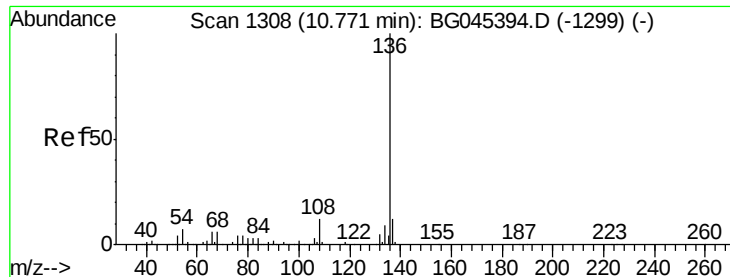
70 100

42 35.8 33.2 49.8

101 0.0 7.8 11.6#

130 1.8 15.4 23.2#

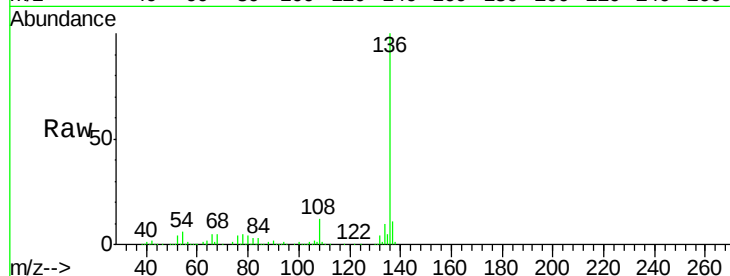




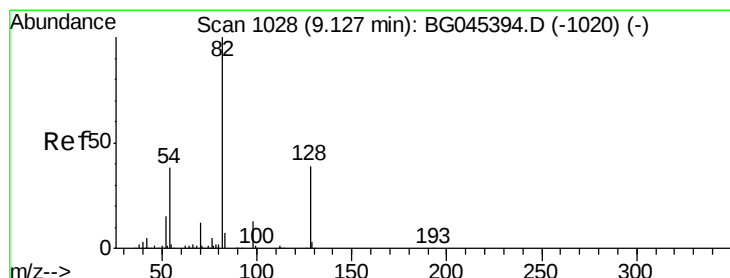
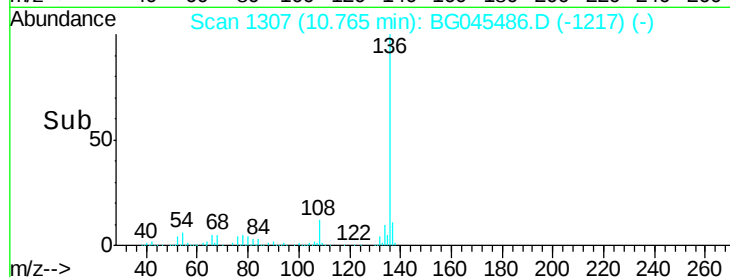
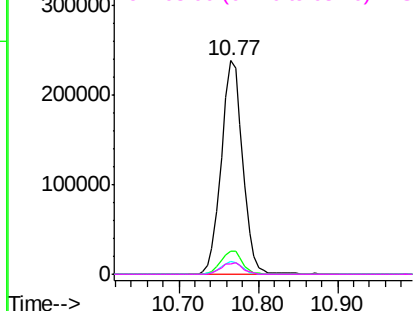
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 445037
Ion Ratio	Lower Upper
136 100	
137 11.1	9.4 14.2
54 5.8	5.8 8.6
68 5.1	4.5 6.7

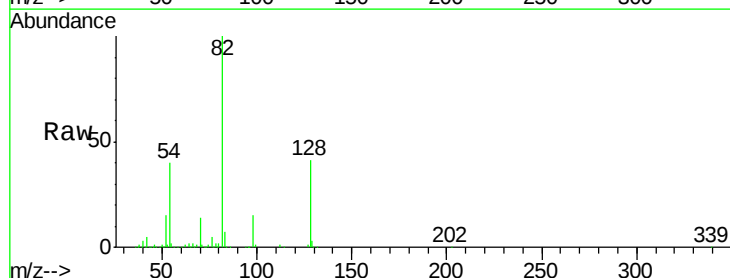


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

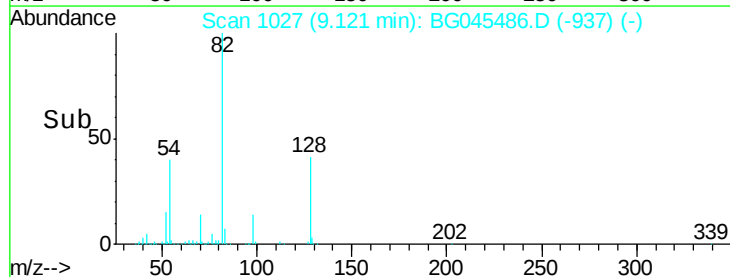
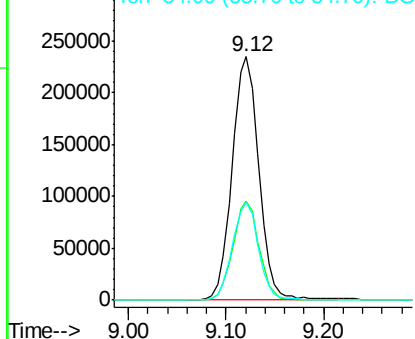


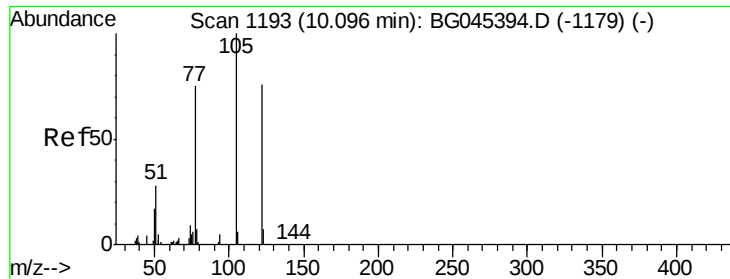
#23
Nitrobenzene-d5
Concen: 54.699 ng
RT: 9.12 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

Tgt Ion	82	Resp: 446404	
Ion	Ratio	Lower	Upper
82	100		
128	40.9	30.9	46.3
54	40.2	30.3	45.5



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





#32

Benzoic acid

Concen: 10.034 ng

RT: 10.25 min Scan# 1219

Delta R.T. 0.11 min

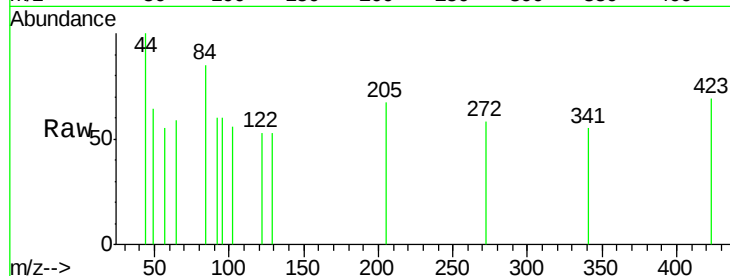
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Acq: 27 May 2020 21:40

Instrument :

BNA_G

ClientSampled :



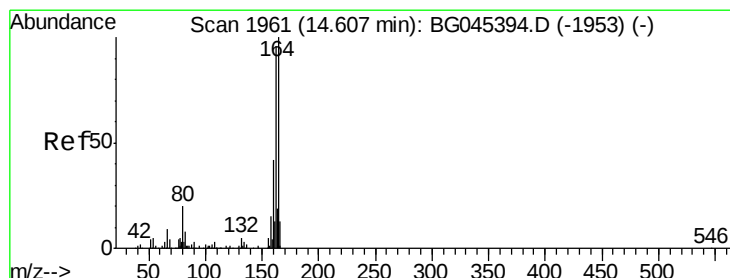
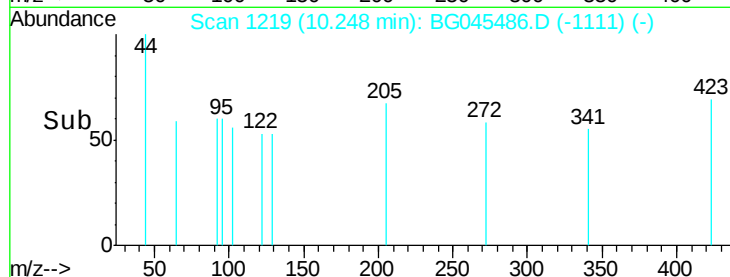
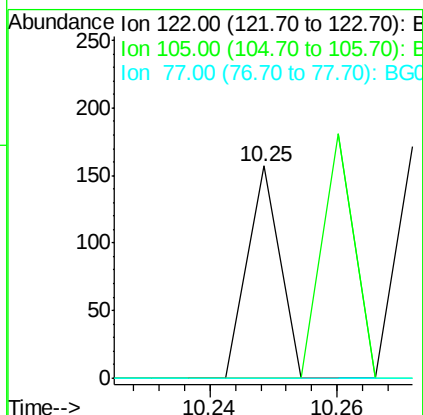
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 107.9 147.9#

77 0.0 78.9 118.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

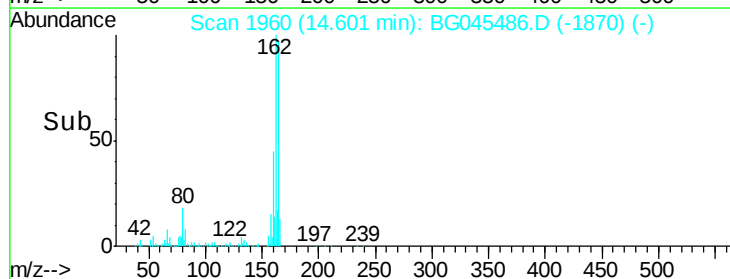
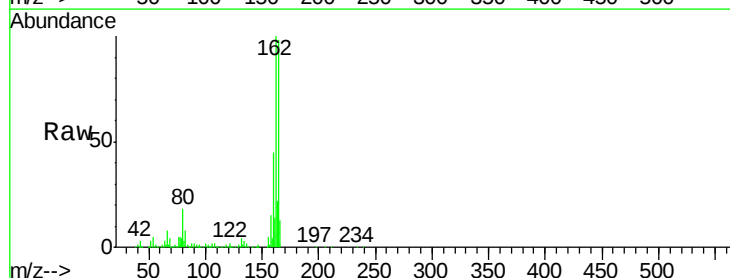
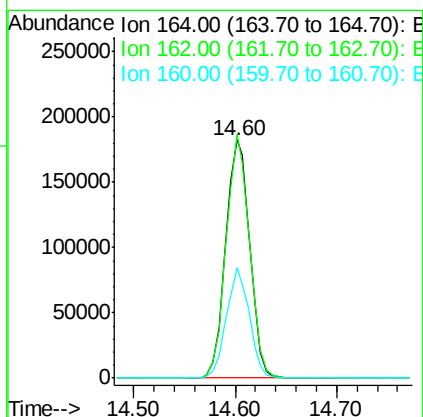
Tgt Ion:164 Resp: 299624

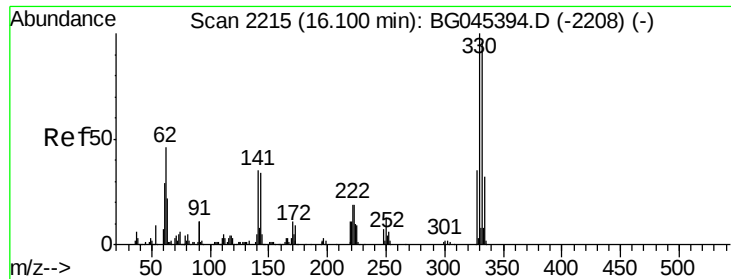
Ion Ratio Lower Upper

164 100

162 102.1 76.9 115.3

160 46.3 33.8 50.8

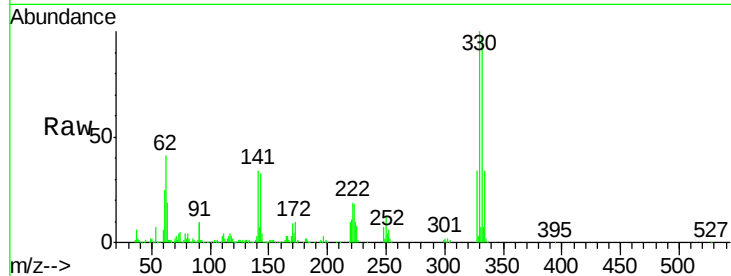




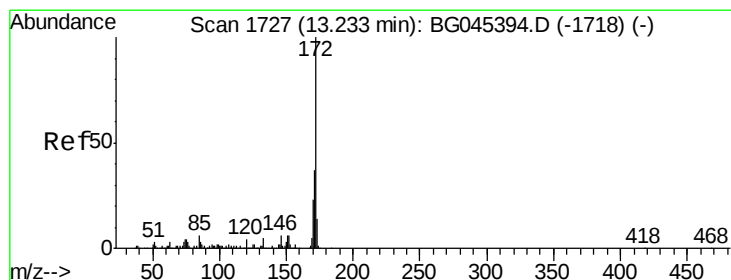
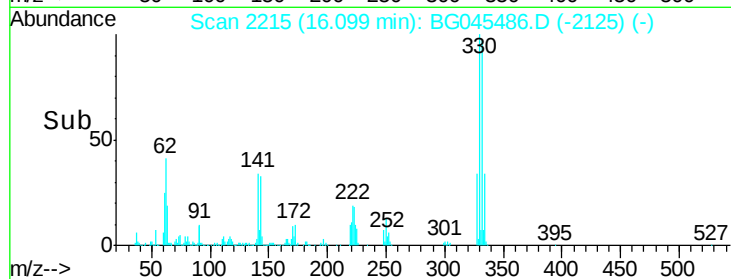
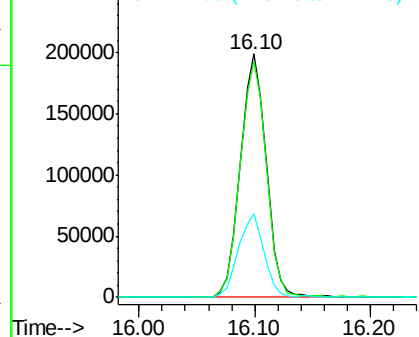
#42
 2,4,6-Tribromophenol
 Concen: 80.613 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BG045486.D
 Acq: 27 May 2020 21:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 308898
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.2 117.4
 141 34.4 28.2 42.4

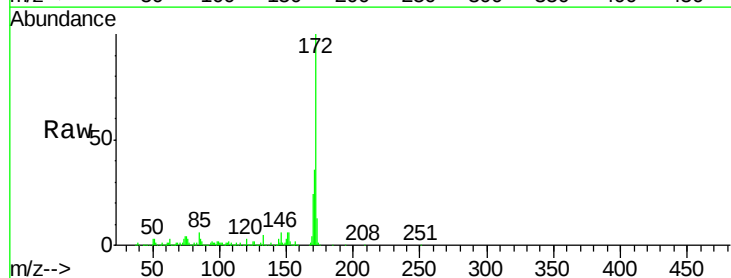


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

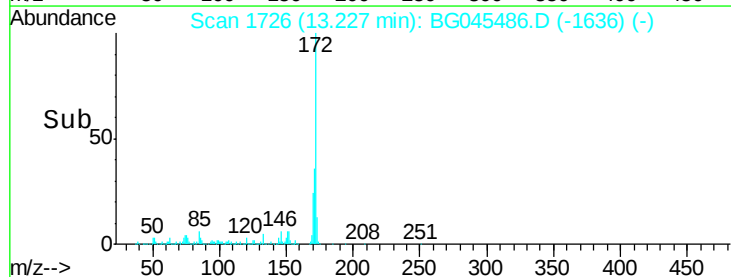
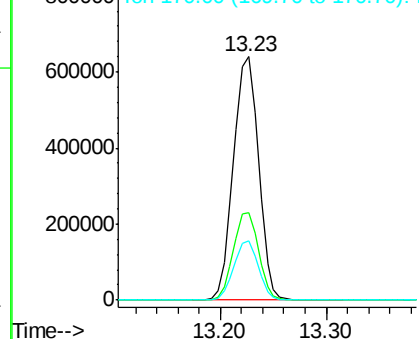


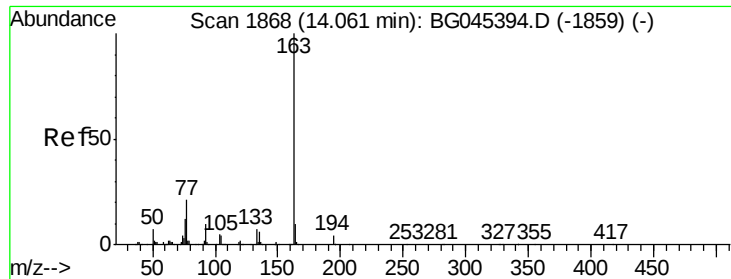
#45
 2-Fluorobiphenyl
 Concen: 59.718 ng
 RT: 13.23 min Scan# 1726
 Delta R.T. -0.00 min
 Lab File: BG045486.D
 Acq: 27 May 2020 21:40

Tgt Ion:172 Resp: 1054883
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.5 44.3
 170 24.2 18.5 27.7



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

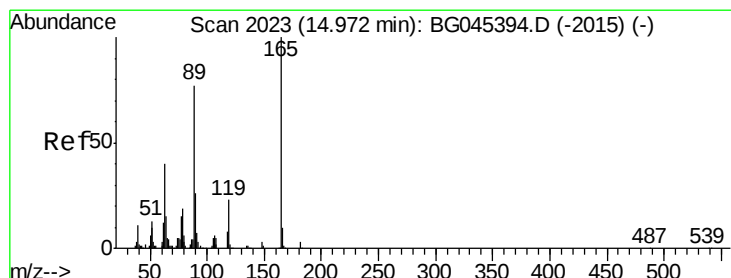
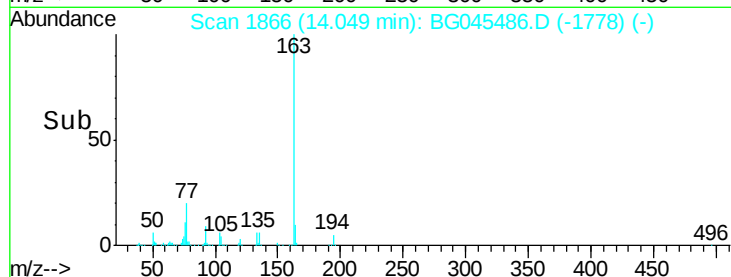
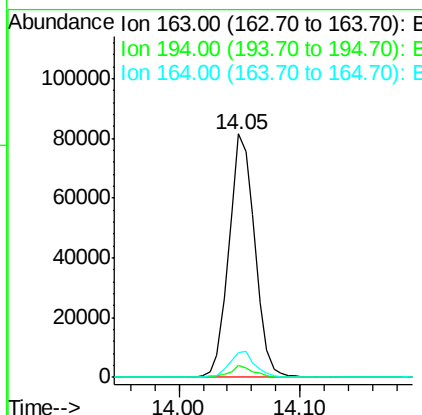
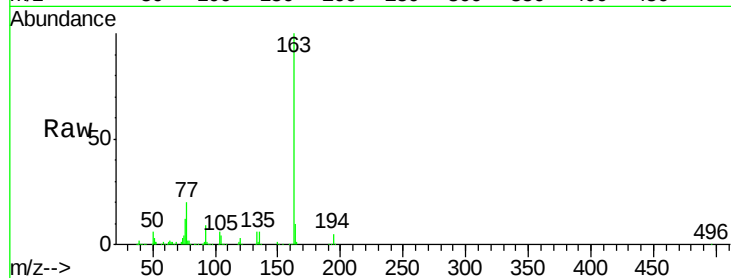




#50
Dimethylphthalate
Concen: 5.900 ng
RT: 14.05 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

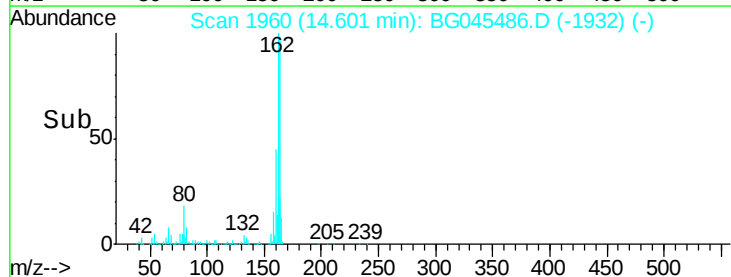
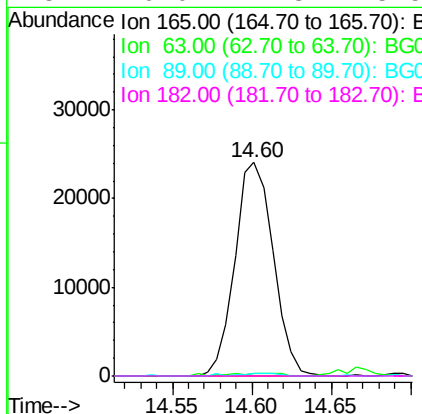
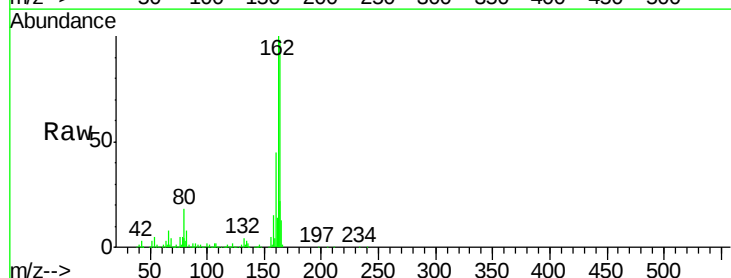
Instrument :
BNA_G
ClientSampleId :

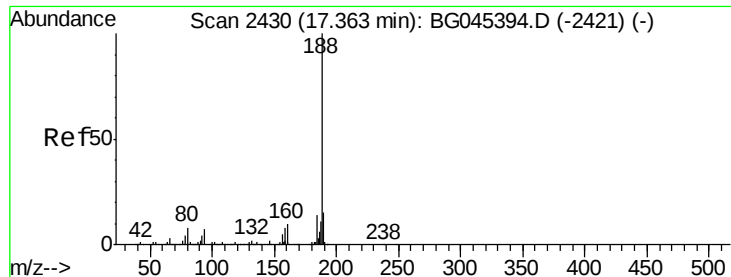
Tot Ion:163 Resp: 121260
Ion Ratio Lower Upper
163 100
194 4.7 3.2 4.8
164 10.0 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 6.012 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.36 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

Tgt Ion:165 Resp: 40385
Ion Ratio Lower Upper
165 100
63 1.0 32.5 48.7#
89 0.9 61.8 92.6#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

Instrument :

BNA_G

ClientSampleId :

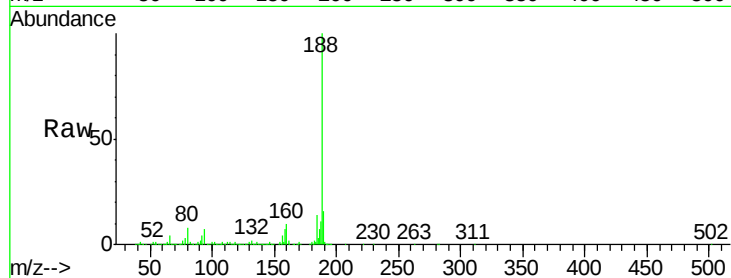
Tot Ion:188 Resp: 615136

Ion Ratio Lower Upper

188 100

94 6.6 5.5 8.3

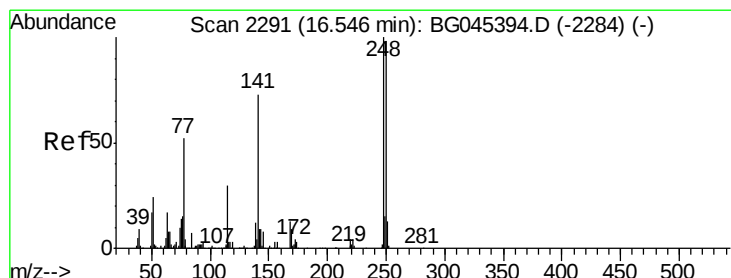
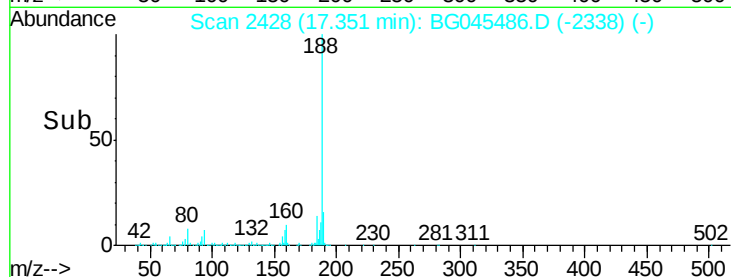
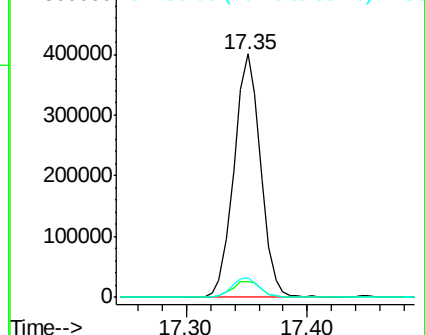
80 8.0 6.6 10.0



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: 3.117 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

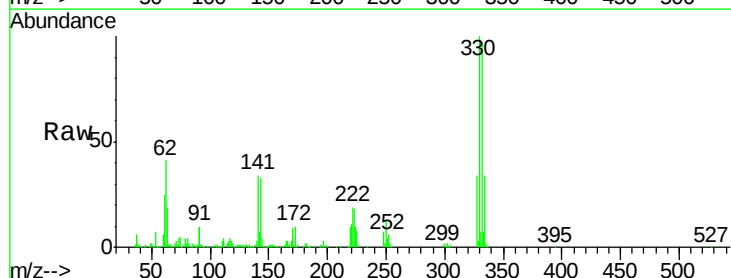
Tgt Ion:248 Resp: 20764

Ion Ratio Lower Upper

248 100

250 195.8 78.6 117.8#

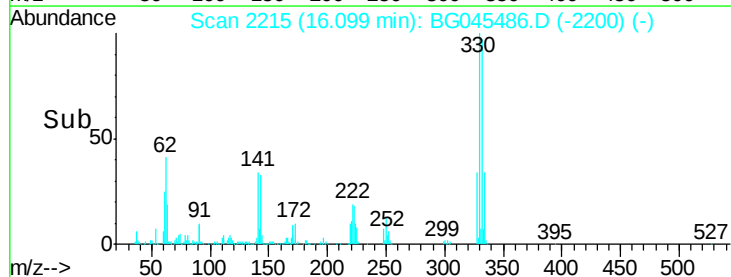
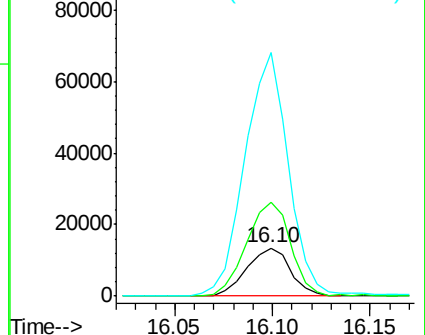
141 509.7 58.2 87.2#

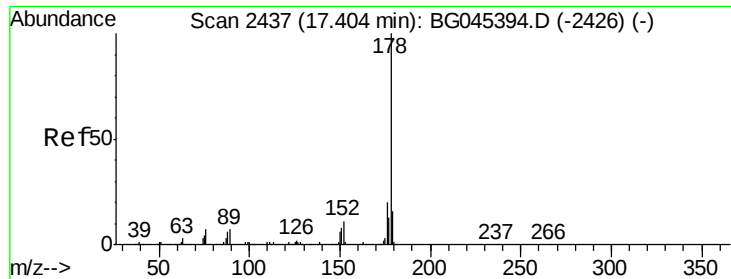


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

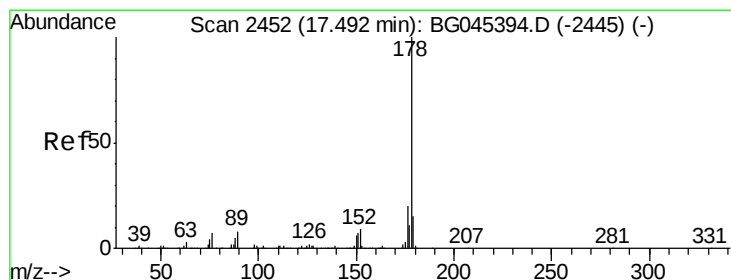
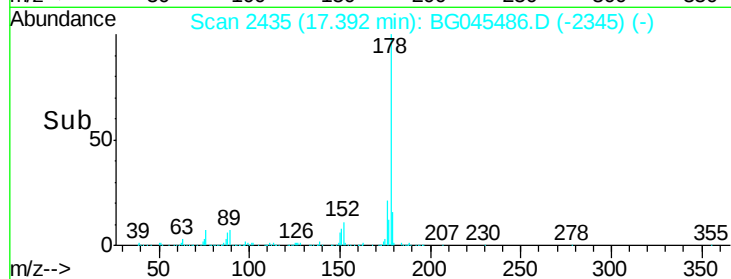
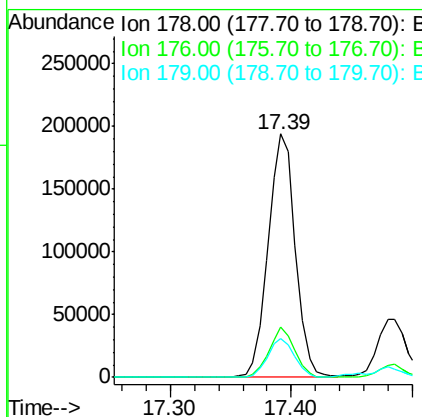
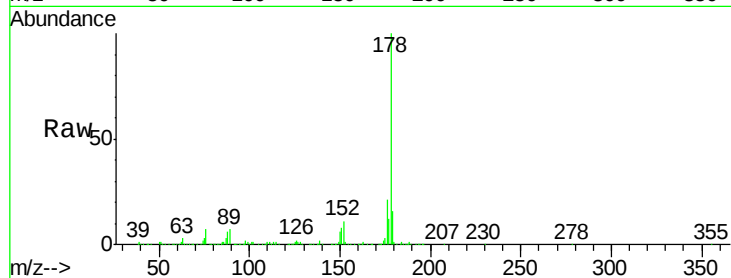




#71
Phenanthrene
Concen: 11.260 ng
RT: 17.39 min Scan# 2435
Delta R.T. -0.00 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

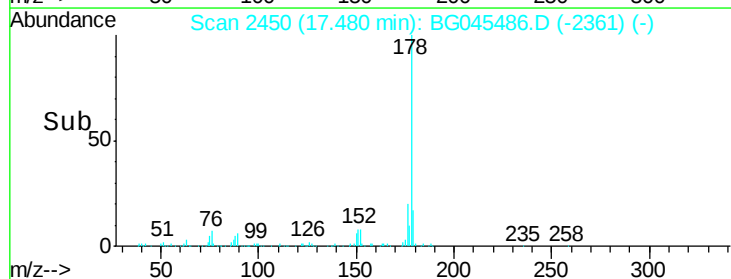
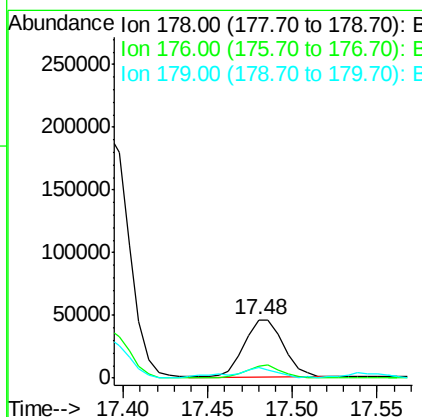
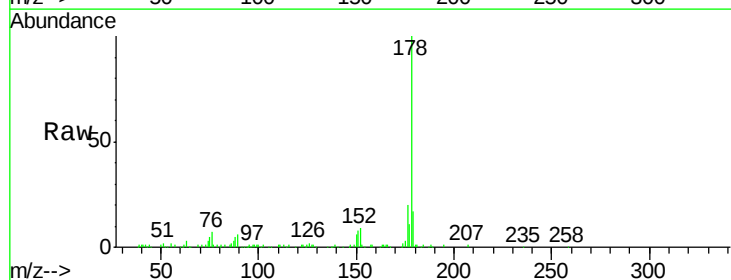
Instrument :
BNA_G
ClientSampleId :

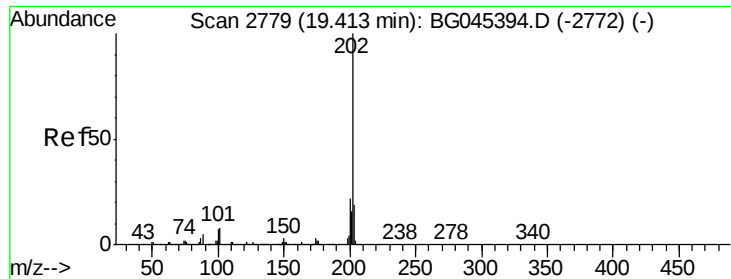
Tot Ion:178 Resp: 302370
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 16.2 13.1 19.7



#72
Anthracene
Concen: 2.758 ng
RT: 17.48 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

Tgt Ion:178 Resp: 74385
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.6
179 17.3 12.2 18.4





#75

Fluoranthene

Concen: 17.336 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

Instrument :

BNA_G

ClientSampled :

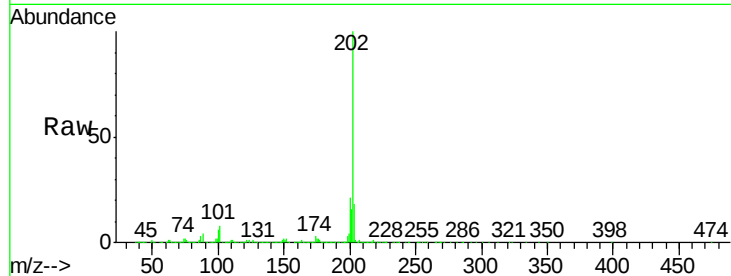
Tot Ion:202 Resp: 592151

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.3

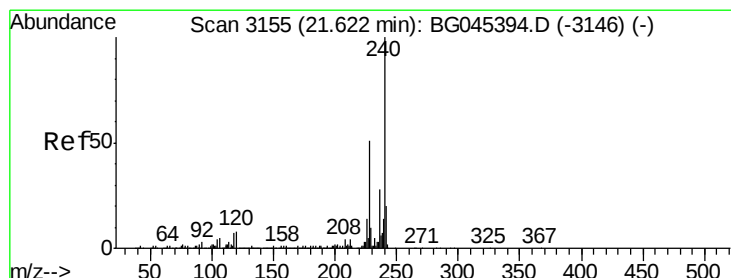
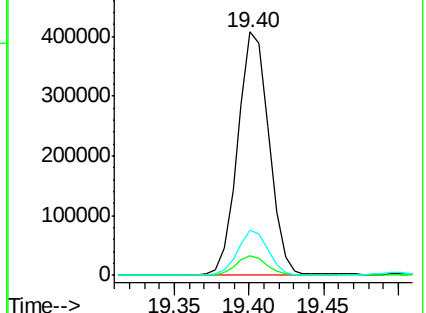
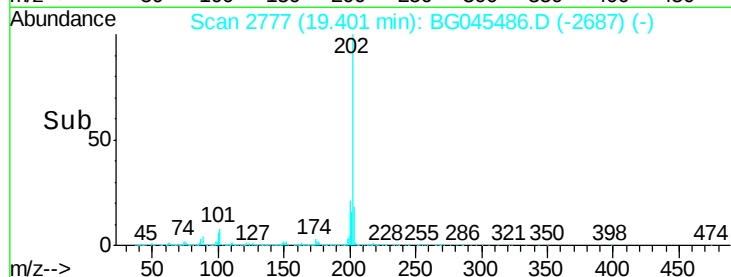
203 18.5 0.0 39.0



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: 21.61 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

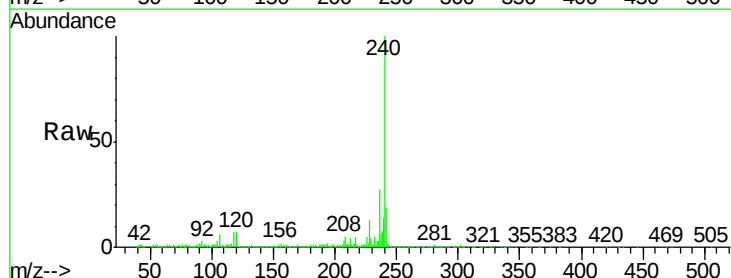
Tgt Ion:240 Resp: 524642

Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

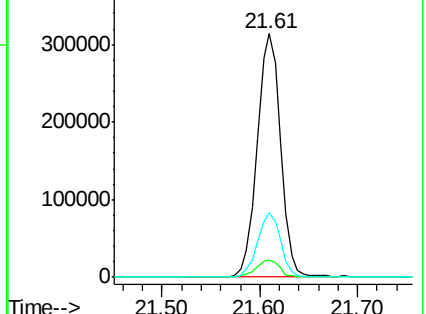
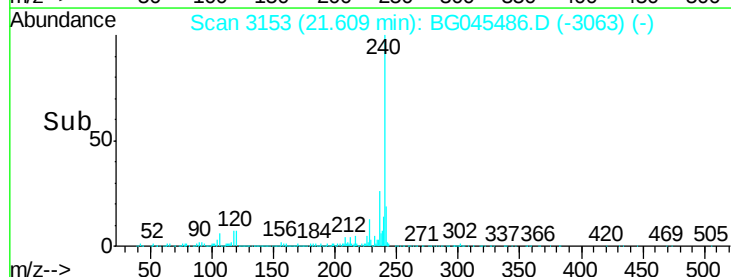
236 26.6 22.3 33.5

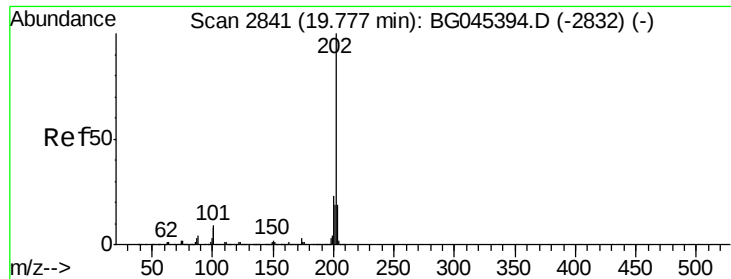


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

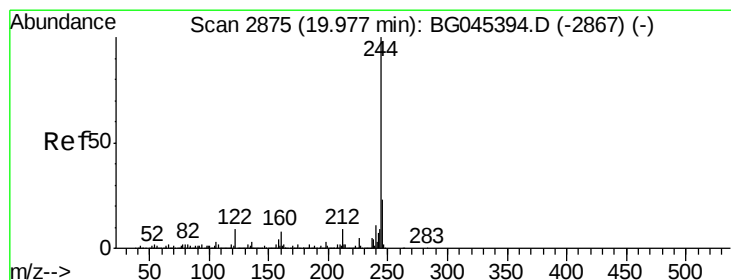
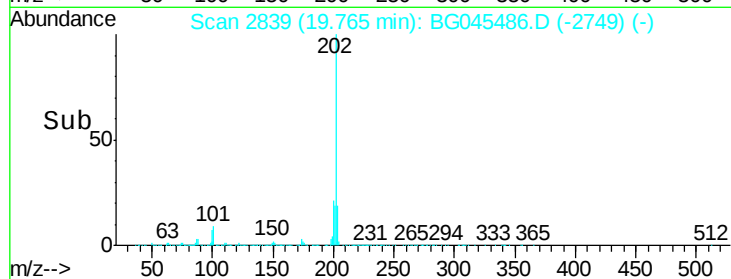
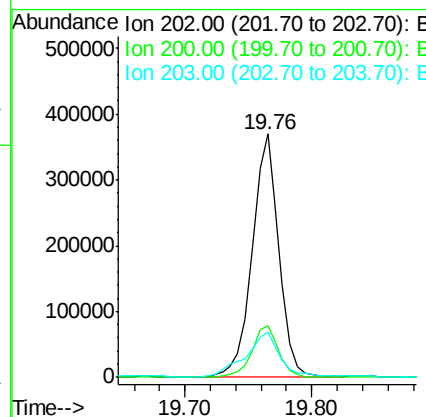
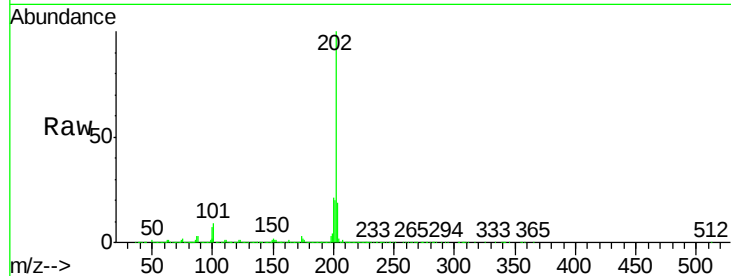




#78
Pvrene
Concen: 17.996 ng
RT: 19.76 min Scan# 2839
Delta R.T. -0.00 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

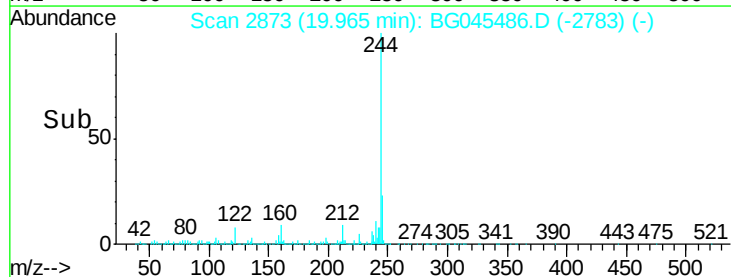
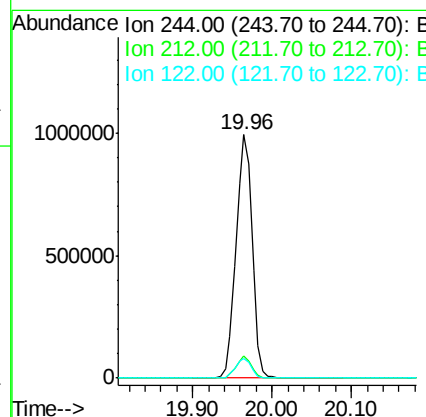
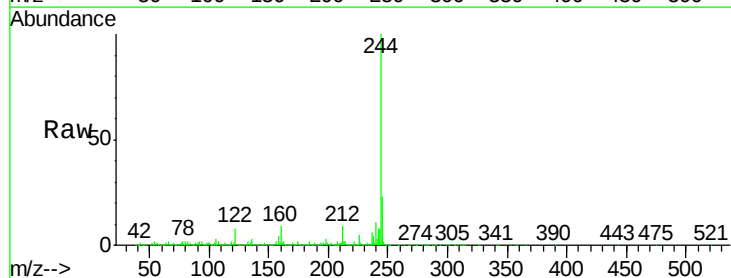
Instrument :
BNA_G
ClientSampleId :

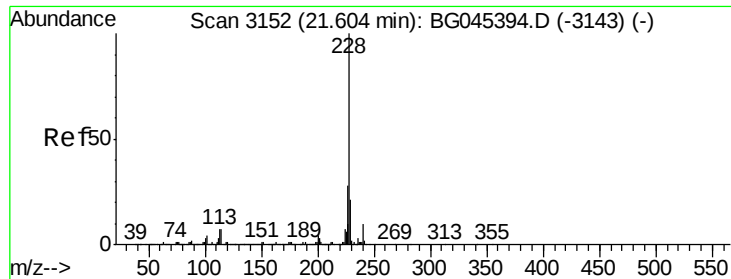
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.2	27.2
203	18.7	15.1	22.7



#79
Terphenyl-d14
Concen: 62.258 ng
RT: 19.96 min Scan# 2873
Delta R.T. -0.00 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.4	11.0
122	8.0	6.8	10.2





#81

Benzo(a)anthracene

Concen: 10.283 ng

RT: 21.59 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

Instrument :

BNA_G

ClientSampled :

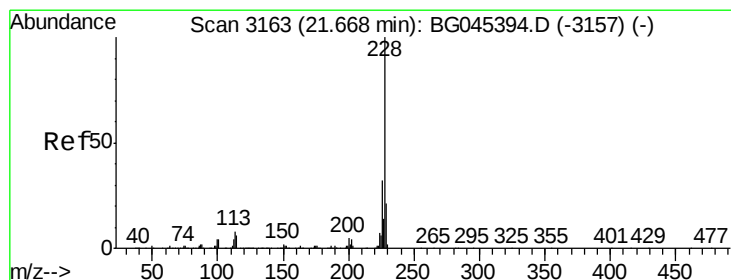
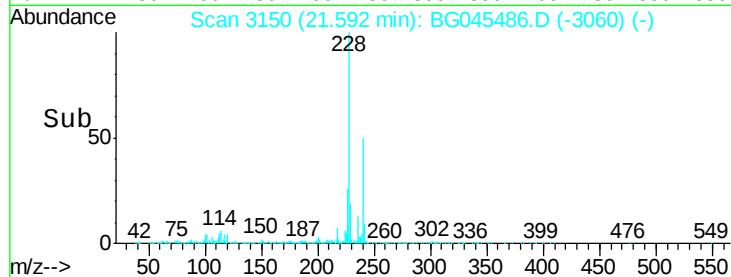
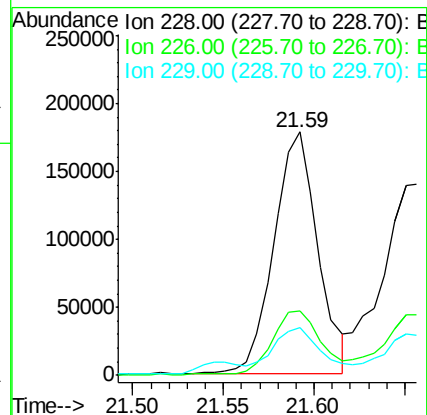
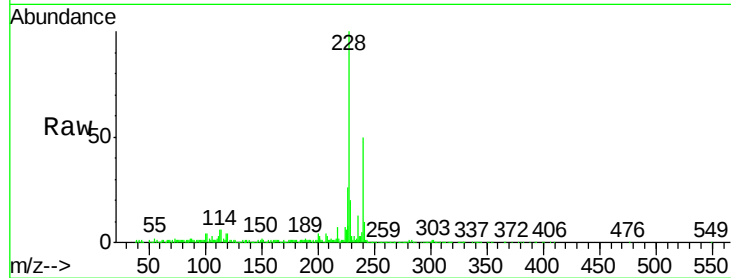
Tot Ion:228 Resp: 300536

Ion Ratio Lower Upper

228 100

226 26.4 22.7 34.1

229 19.6 16.7 25.1



#83

Chrysene

Concen: 9.897 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.00 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

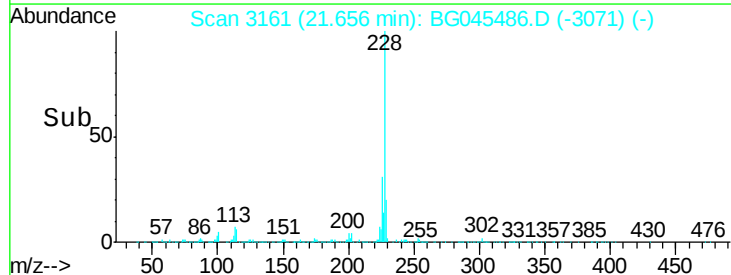
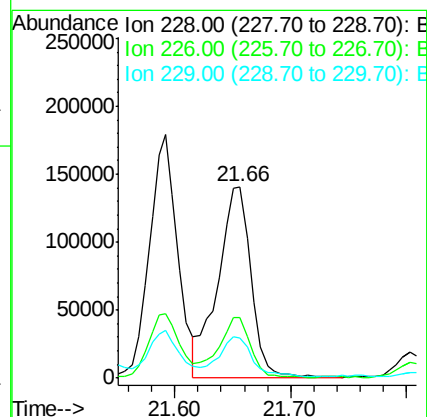
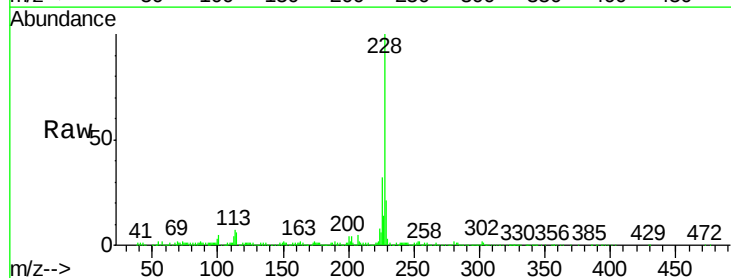
Tgt Ion:228 Resp: 278122

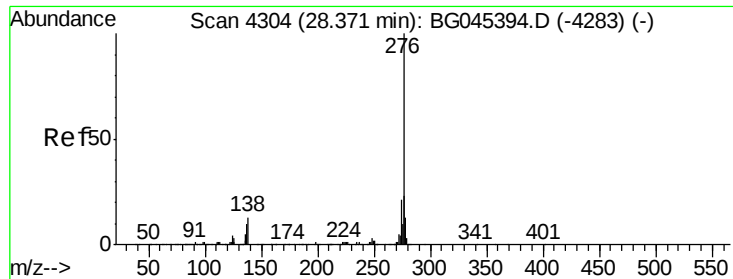
Ion Ratio Lower Upper

228 100

226 31.8 25.2 37.8

229 20.7 16.7 25.1





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.124 ng

RT: 28.32 min Scan# 4296

Delta R.T. -0.00 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

Instrument :

BNA_G

ClientSampleId :

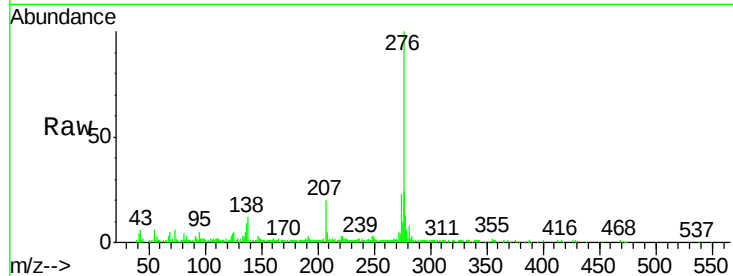
Tot Ion:276 Resp: 188296

Ion Ratio Lower Upper

276 100

138 10.3 8.6 12.8

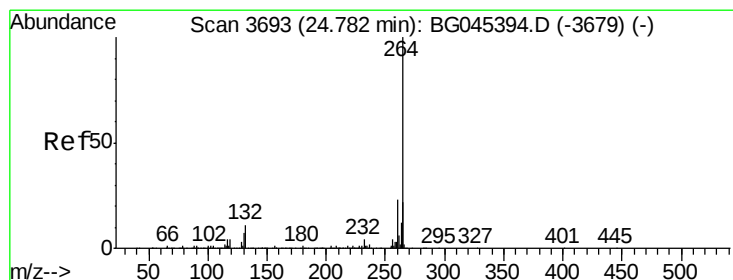
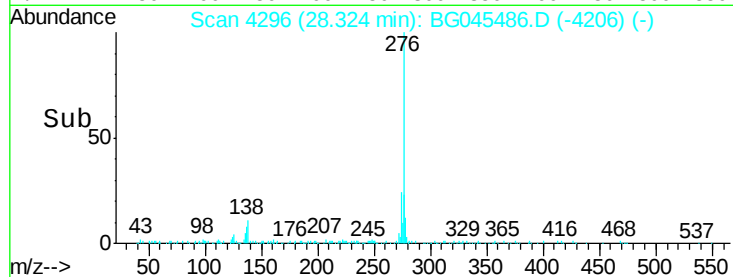
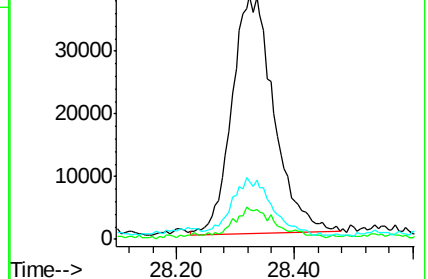
277 22.4 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3689

Delta R.T. -0.00 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

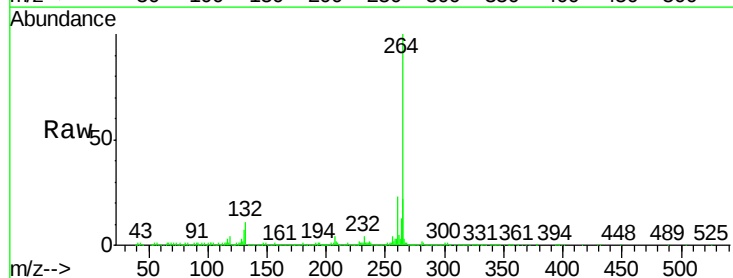
Tgt Ion:264 Resp: 582468

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

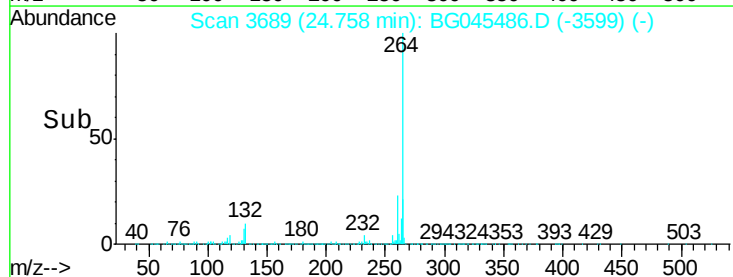
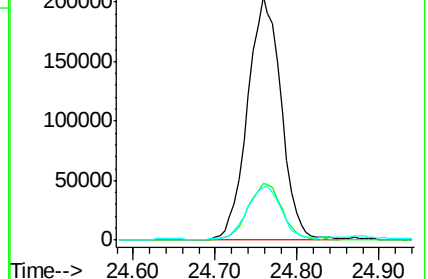
265 21.6 17.6 26.4

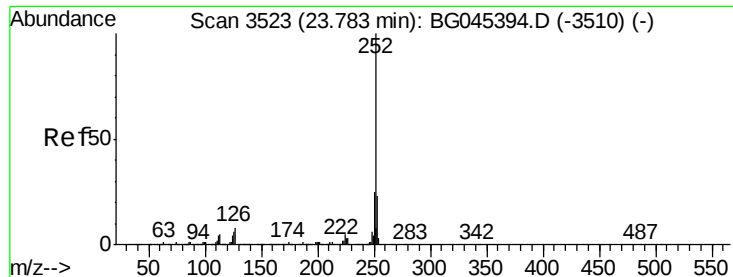


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 12.423 ng

RT: 23.77 min Scan# 3520

Delta R.T. 0.01 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

Instrument :

BNA_G

ClientSampleId :

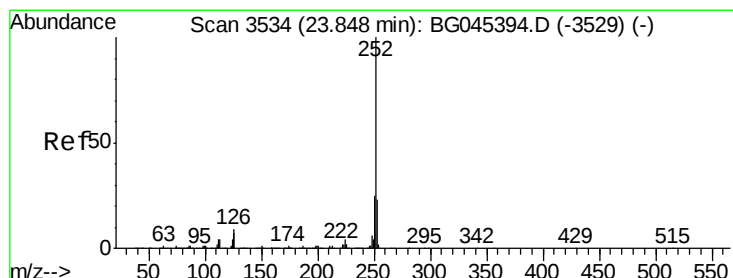
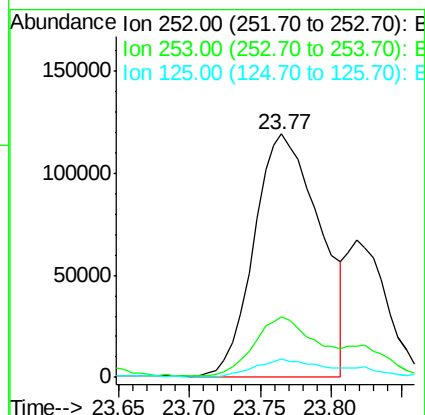
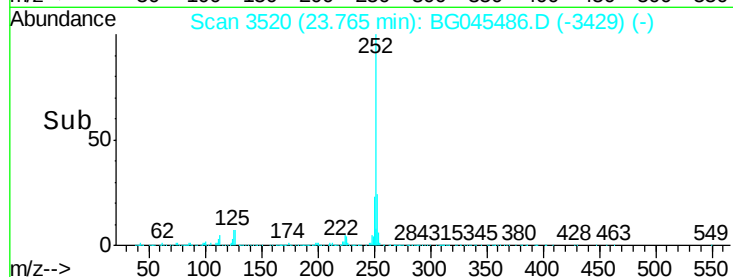
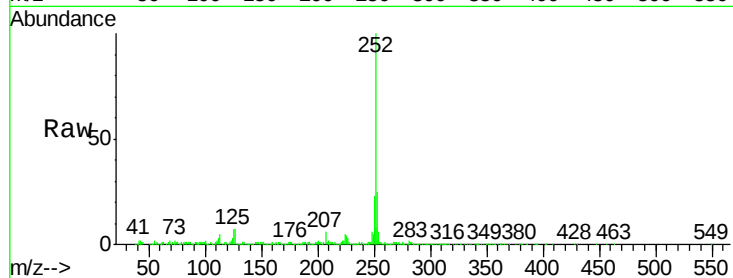
Tot Ion:252 Resp: 388087

Ion Ratio Lower Upper

252 100

253 24.8 18.1 27.1

125 7.3 5.0 7.6



#89

Benzo(k)fluoranthene

Concen: 13.224 ng

RT: 23.77 min Scan# 3520

Delta R.T. -0.06 min

Lab File: BG045486.D

Acq: 27 May 2020 21:40

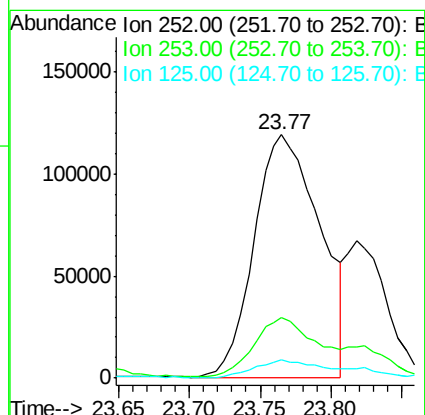
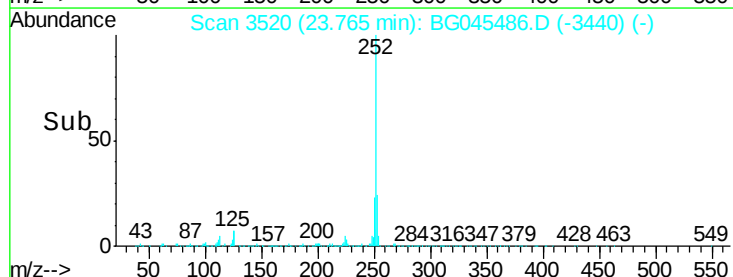
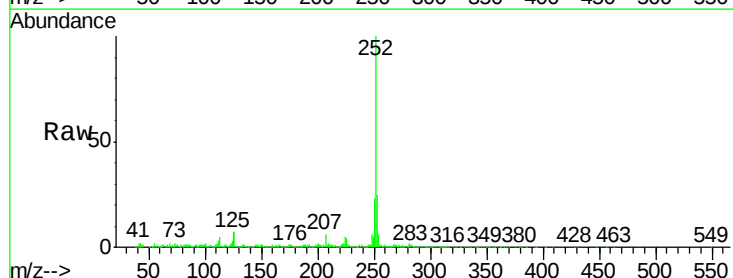
Tgt Ion:252 Resp: 388087

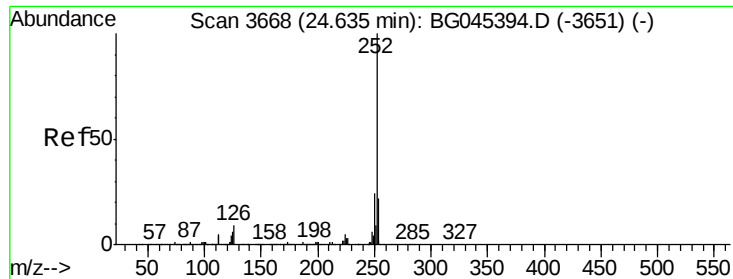
Ion Ratio Lower Upper

252 100

253 24.8 18.4 27.6

125 7.3 5.7 8.5

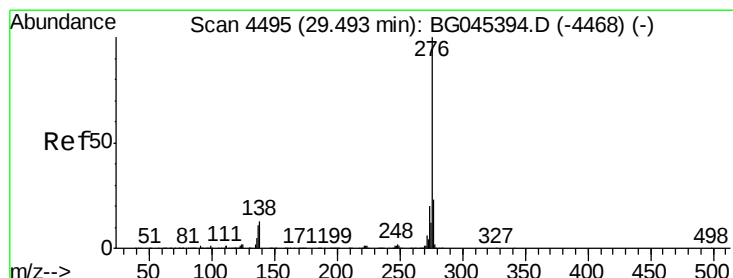
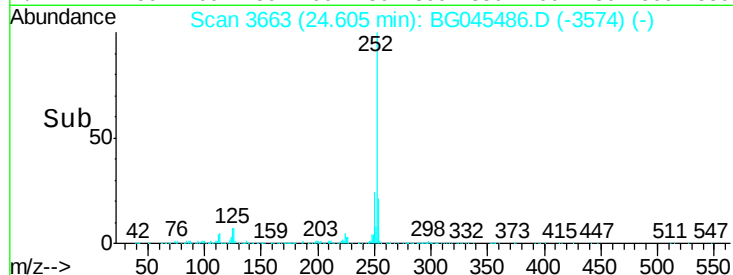
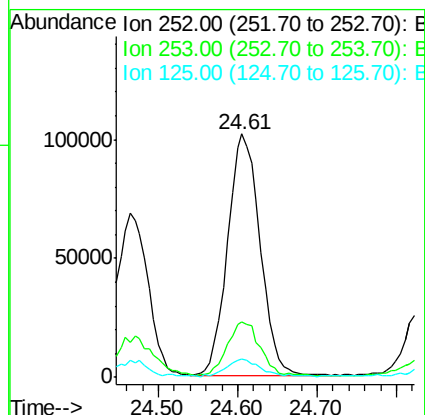
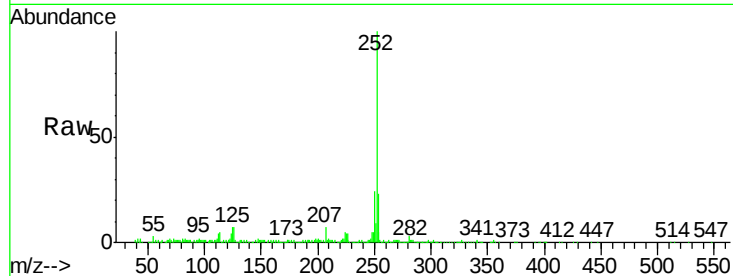




#90
Benzo(a)pyrene
Concen: 9.984 ng
RT: 24.61 min Scan# 3663
Delta R.T. -0.01 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 290473
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 7.5 5.0 7.6



#92
Benzo(g,h,i)perylene
Concen: 5.946 ng
RT: 29.44 min Scan# 4486
Delta R.T. -0.01 min
Lab File: BG045486.D
Acq: 27 May 2020 21:40

Tgt Ion:276 Resp: 173859
Ion Ratio Lower Upper
276 100
277 20.4 18.1 27.1
138 11.1 10.2 15.4

