

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051420\
 Data File : BG045388.D
 Acq On : 14 May 2020 21:51
 Operator : CG/JU
 Sample : L2505-01 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

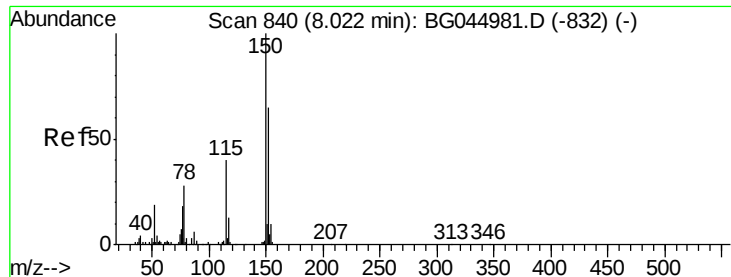
Instrument :
 BNA_G
 ClientSampleId :
 SU-02-051220

Quant Time: May 15 01:39:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 13:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	81315	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	333391	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	241806	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	514530	20.00	ng	0.00
76) Chrysene-d12	21.63	240	459703	20.00	ng	0.00
87) Perylene-d12	24.79	264	499588	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	44629	9.06	ng	0.00
7) Phenol-d6	7.14	99	62623	8.56	ng	0.00
23) Nitrobenzene-d5	9.13	82	41566	5.69	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	29508	7.90	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	104956	6.36	ng	0.00
79) Terphenyl-d14	19.98	244	166674	7.90	ng	0.00
Target Compounds						
71) Phenanthrene	17.40	178	158143	5.981	ng	99
75) Fluoranthene	19.42	202	528389	12.553	ng	97
78) Pyrene	19.78	202	405559	12.797	ng	96
81) Benzo(a)anthracene	21.60	228	241623	8.109	ng	99
83) Chrysene	21.67	228	202880	7.087	ng	96
86) Indeno(1,2,3-cd)pyrene	28.37	276	164620	4.331	ng	# 93
88) Benzo(b)fluoranthene	23.79	252	332819	10.635	ng	# 98
89) Benzo(k)fluoranthene	23.84	252	93718m	3.149	ng	
90) Benzo(a)pyrene	24.63	252	232896	7.882	ng	# 95
92) Benzo(g,h,i)perylene	29.48	276	162765	5.453	ng	97

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

```
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051420\  
Data File : BG045388.D  
Acq On    : 14 May 2020  21:51  
Operator  : CG/JU  
Sample    : L2505-01 10X  
Misc      :  
ALS Vial  : 15      Sample Multiplier: 1
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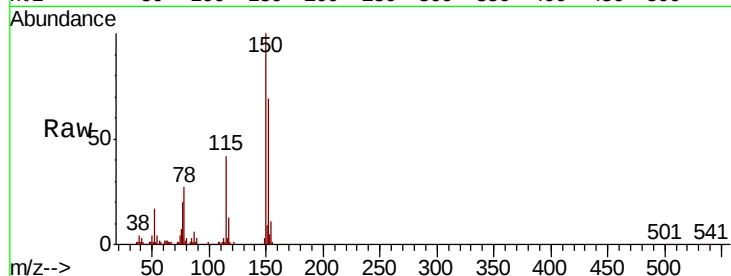


#1

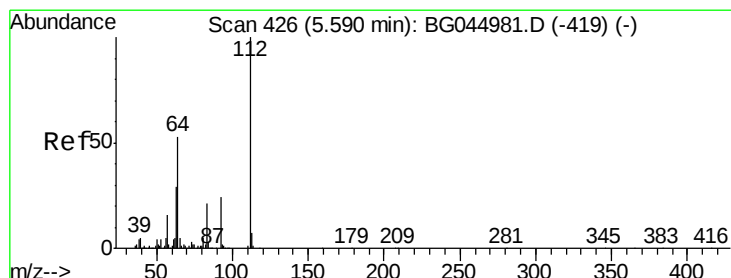
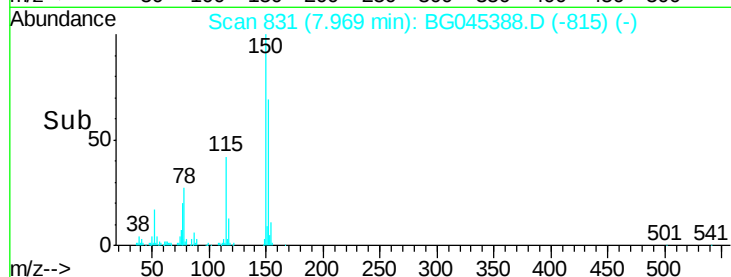
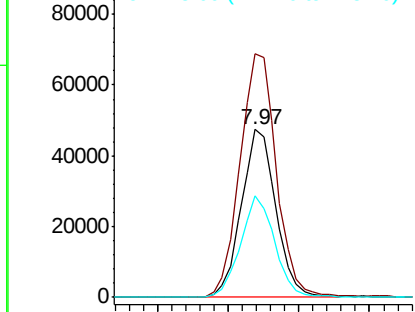
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

Instrument :
BNA_G
ClientSampleId :
SU-02-051220

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.2	123.6	185.4
115	60.4	49.1	73.7



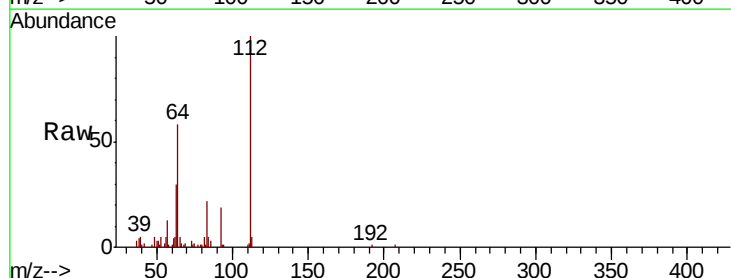
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



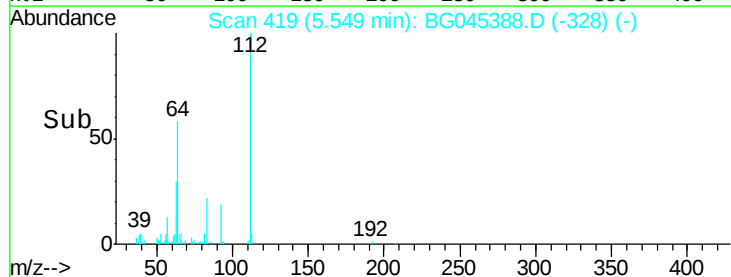
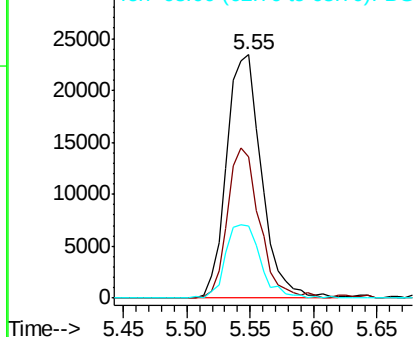
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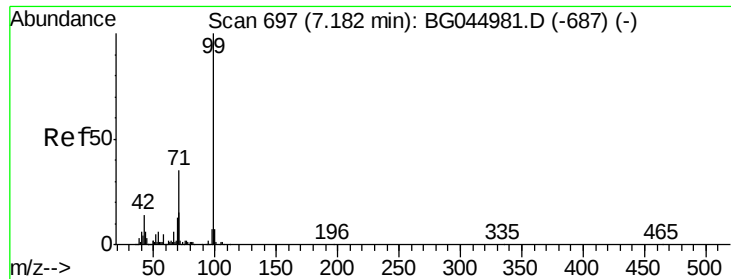
2-Fluorophenol
Concen: 9.061 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	42.4	63.6
63	29.6	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 8.558 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

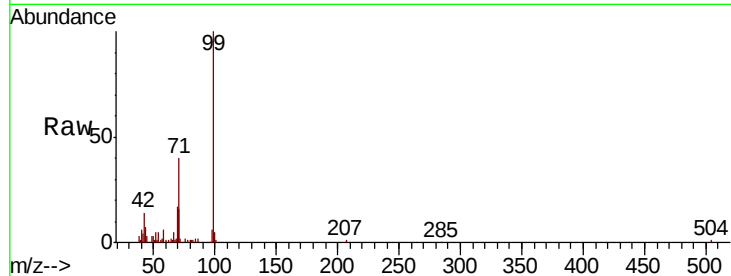
Tot Ion: 99 Resp: 62623

Ion Ratio Lower Upper

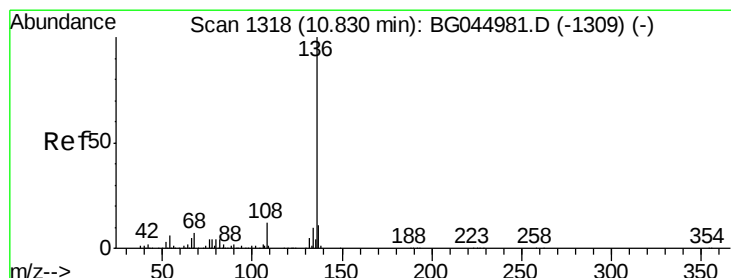
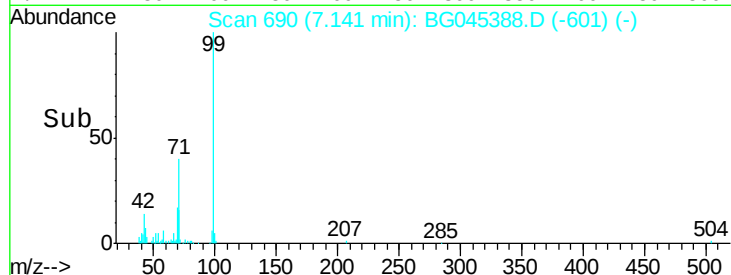
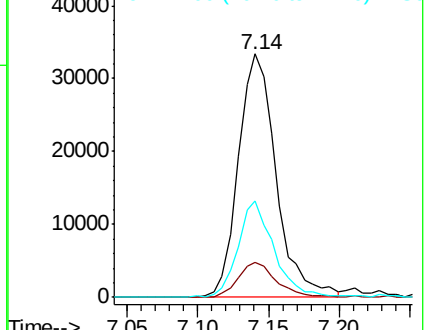
99 100

42 14.3 11.3 16.9

71 39.7 28.3 42.5



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.78 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Tgt Ion: 136 Resp: 333391

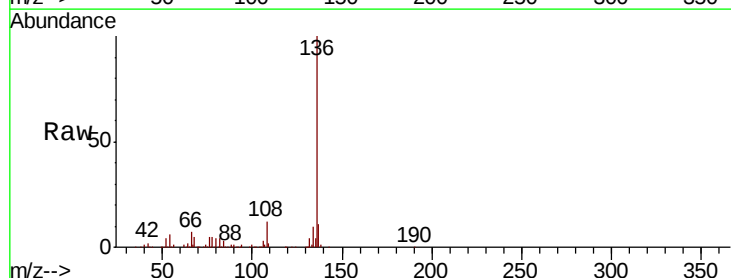
Ion Ratio Lower Upper

136 100

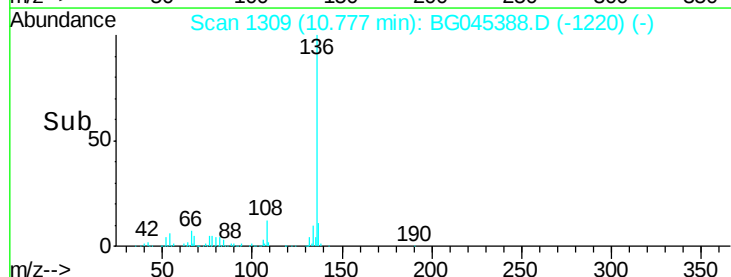
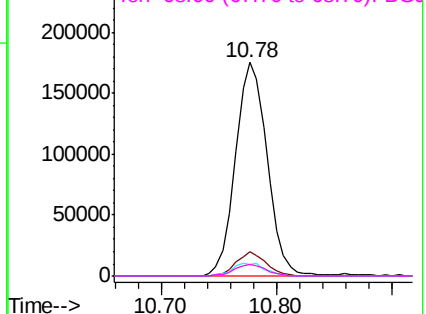
137 11.2 8.6 13.0

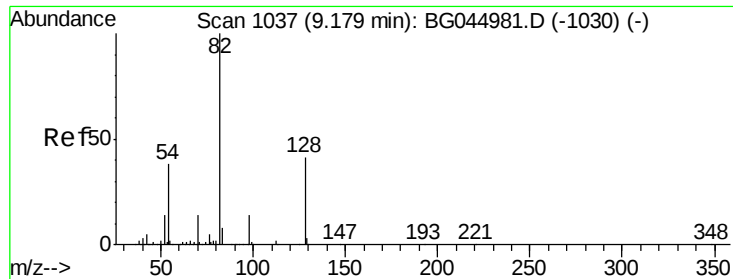
54 5.6 4.8 7.2

68 5.4 5.2 7.8



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

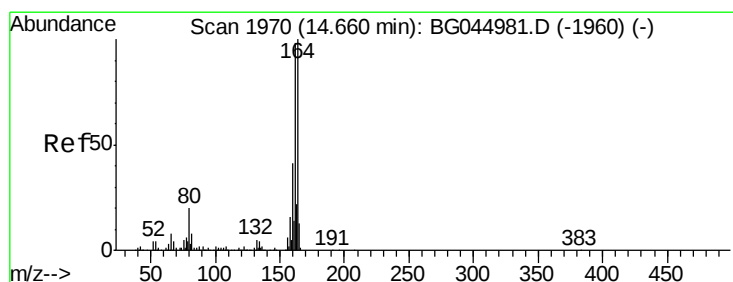
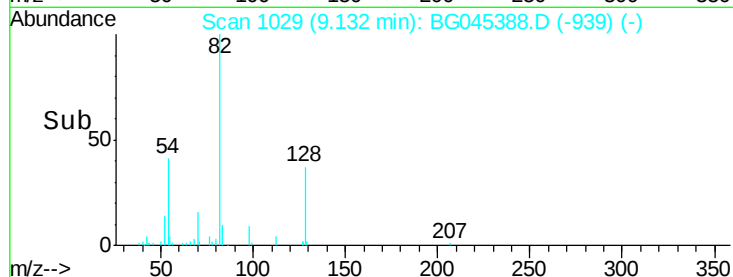
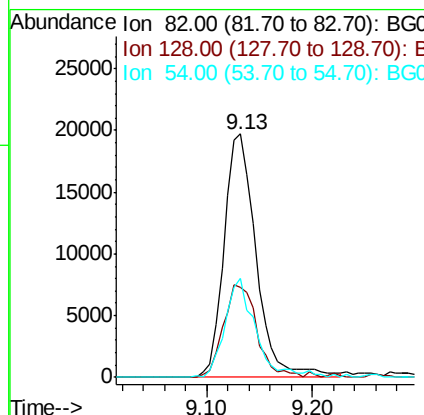
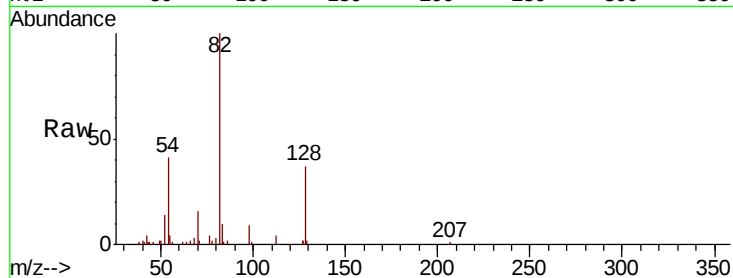




#23
 Nitrobenzene-d5
 Concen: 5.689 ng
 RT: 9.13 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BG045388.D
 Acq: 14 May 2020 21:51

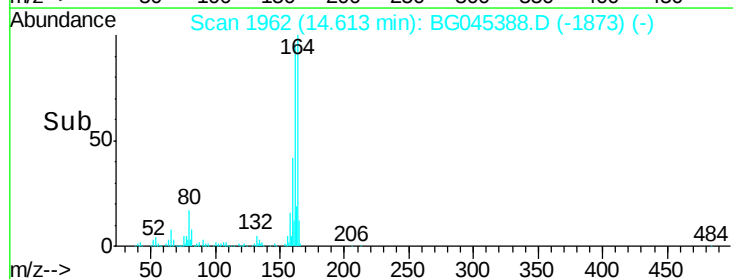
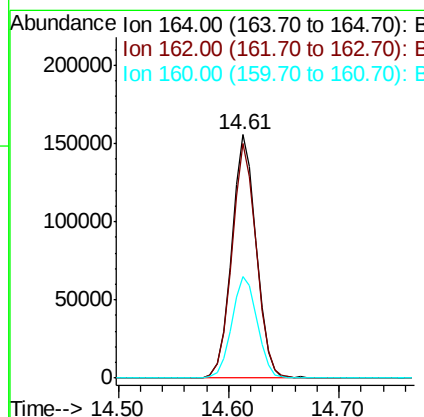
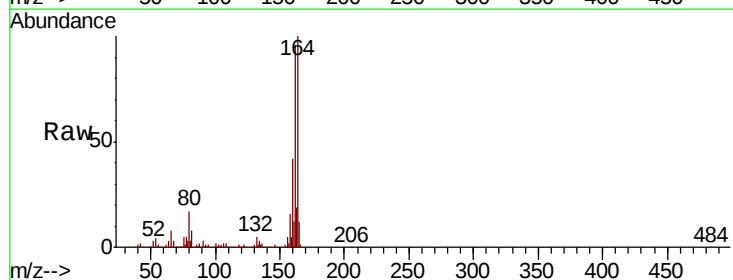
Instrument :
 BNA_G
 ClientSampleId :
 SU-02-051220

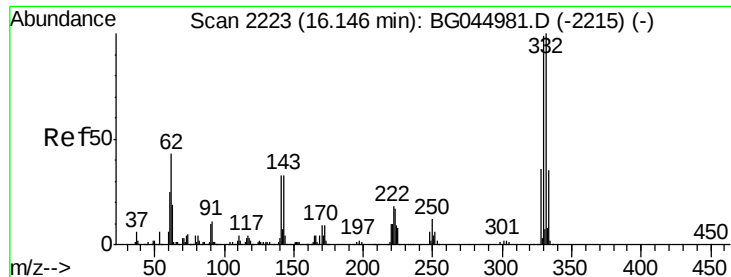
Tot Ion	82	Resp	41566
Ion Ratio	Lower	Upper	
82	100		
128	36.8	33.0	49.4
54	40.6	30.4	45.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.61 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: BG045388.D
 Acq: 14 May 2020 21:51

Tgt Ion	164	Resp	241806
Ion Ratio	Lower	Upper	
164	100		
162	96.2	78.7	118.1
160	41.7	32.8	49.2





#42

2,4,6-Tribromophenol

Concen: 7.899 ng

RT: 16.10 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

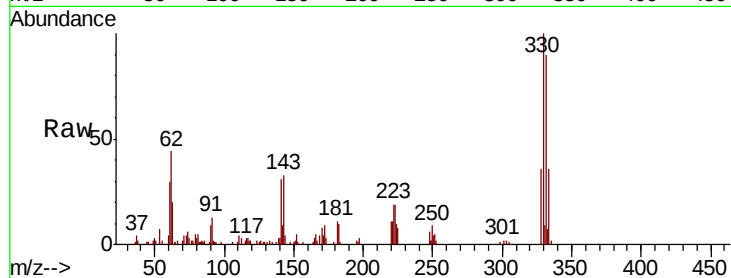
Tot Ion:330 Resp: 29508

Ion Ratio Lower Upper

330 100

332 93.4 79.1 118.7

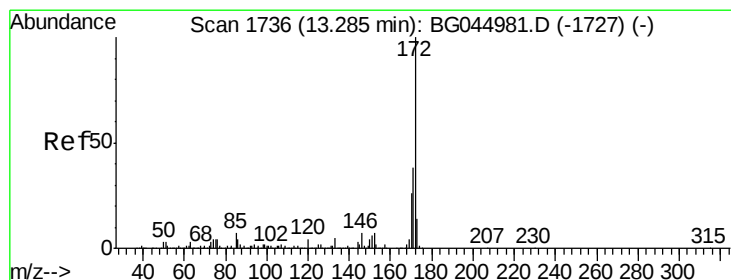
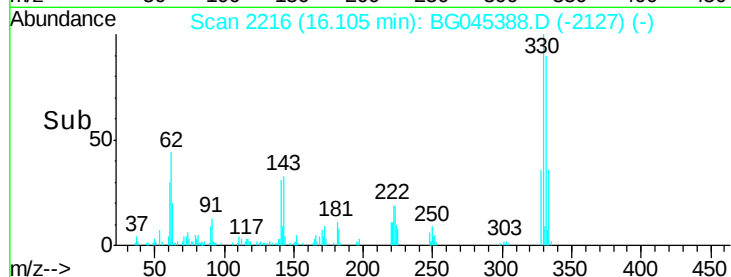
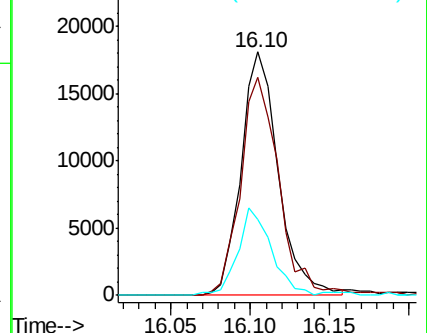
141 32.2 27.1 40.7



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: 6.365 ng

RT: 13.23 min Scan# 1727

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

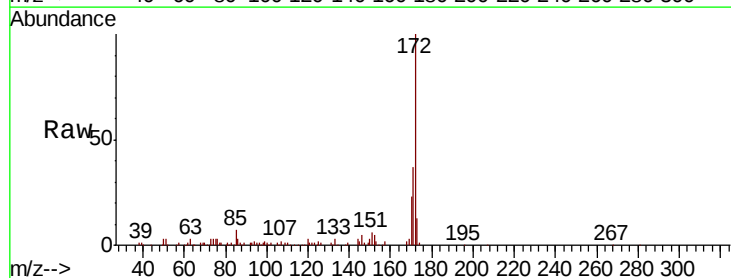
Tgt Ion:172 Resp: 104956

Ion Ratio Lower Upper

172 100

171 36.9 30.6 46.0

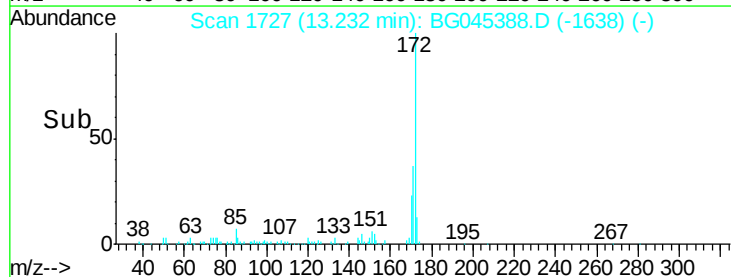
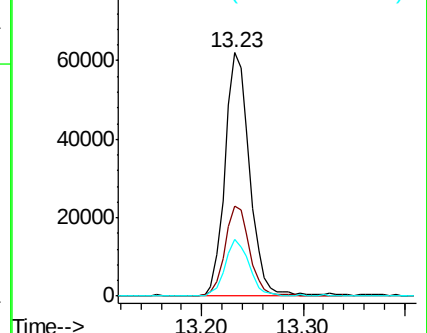
170 23.4 20.5 30.7

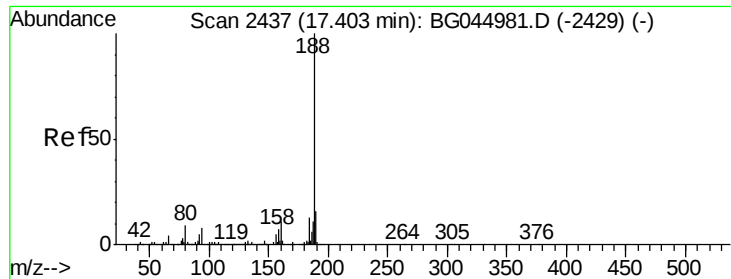


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

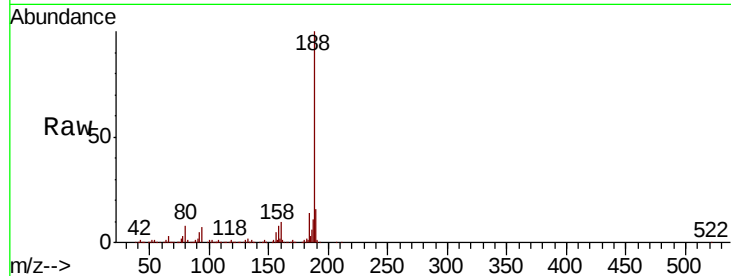
Tot Ion:188 Resp: 514530

Ion Ratio Lower Upper

188 100

94 6.8 6.2 9.4

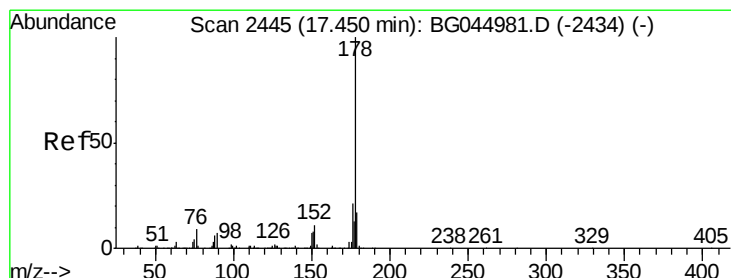
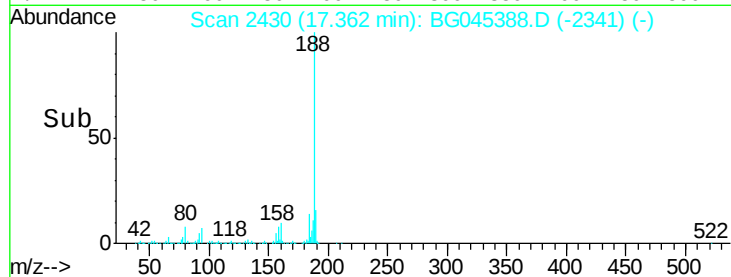
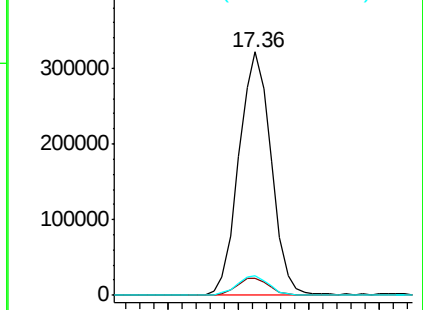
80 8.2 7.0 10.6



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: 5.981 ng

RT: 17.40 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

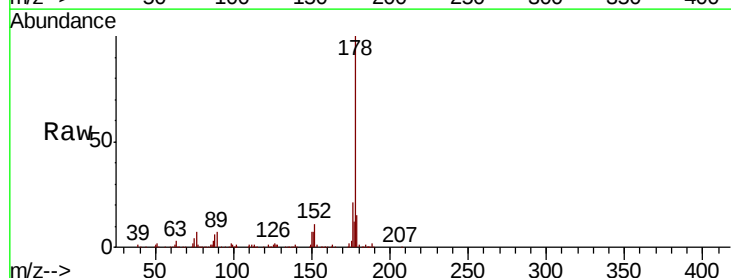
Tgt Ion:178 Resp: 158143

Ion Ratio Lower Upper

178 100

176 20.9 16.8 25.2

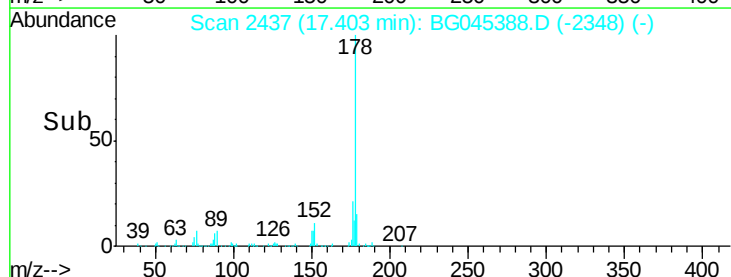
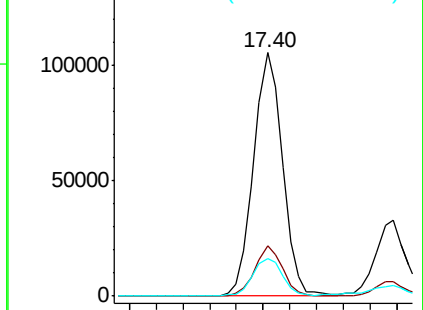
179 15.3 13.2 19.8

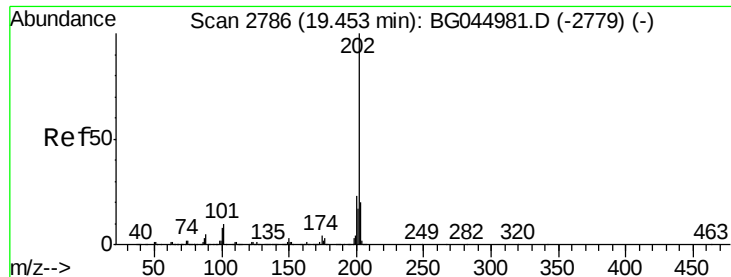


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 12.553 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

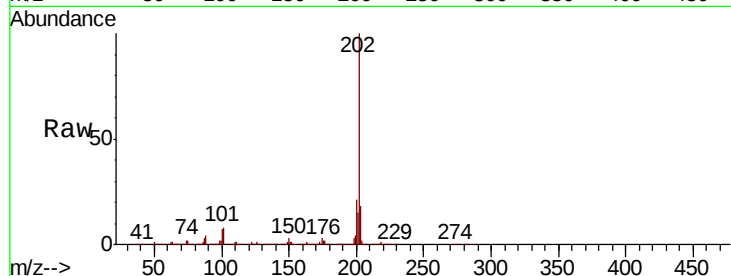
Tot Ion:202 Resp: 528389

Ion Ratio Lower Upper

202 100

101 8.3 0.0 29.6

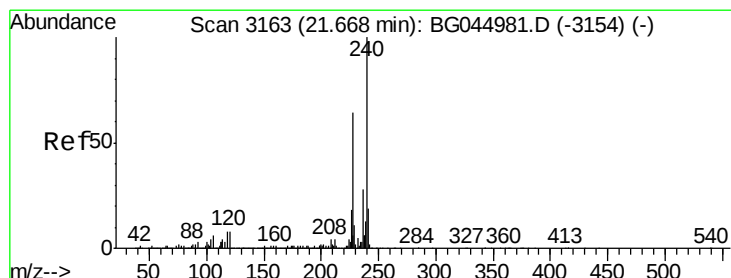
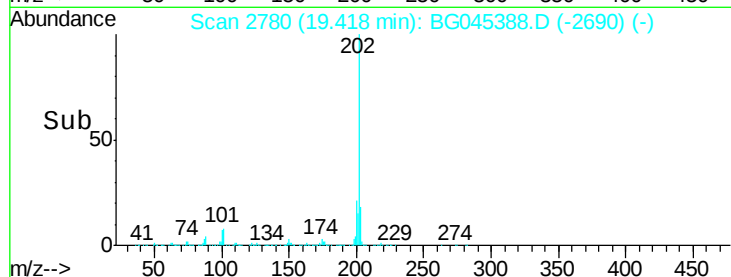
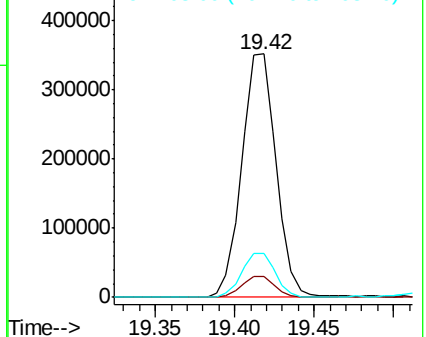
203 18.1 0.0 39.7



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: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

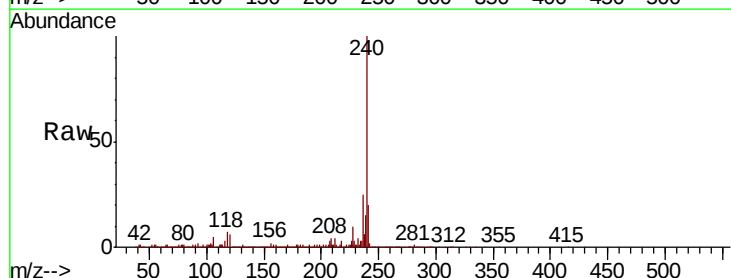
Tgt Ion:240 Resp: 459703

Ion Ratio Lower Upper

240 100

120 6.4 6.6 10.0#

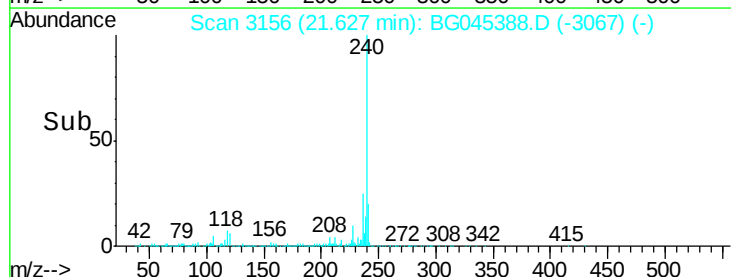
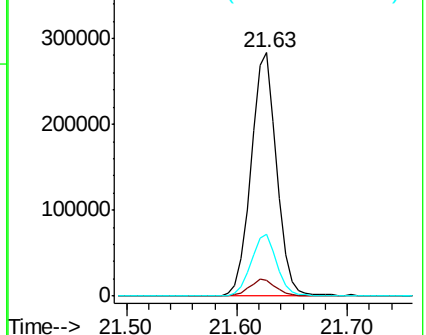
236 25.3 22.2 33.2

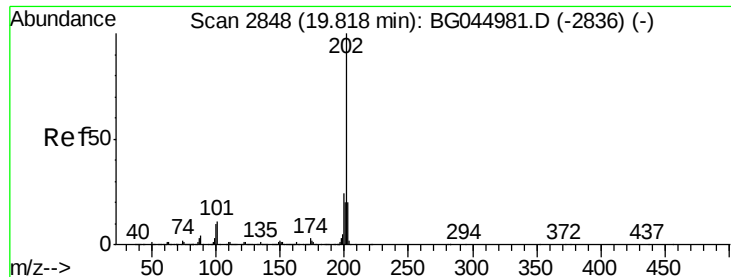


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

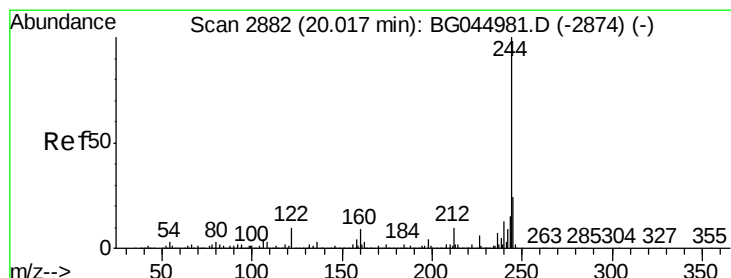
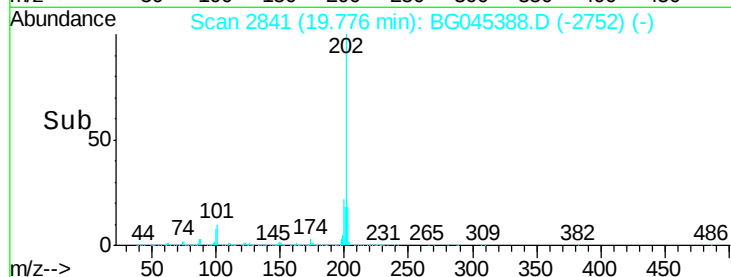
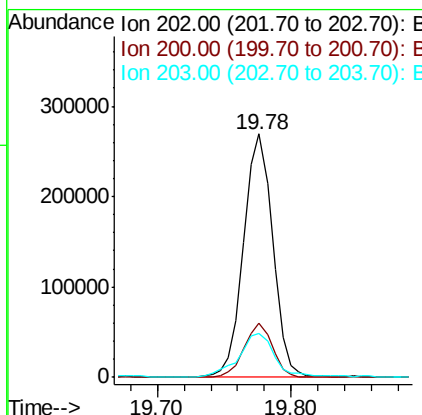
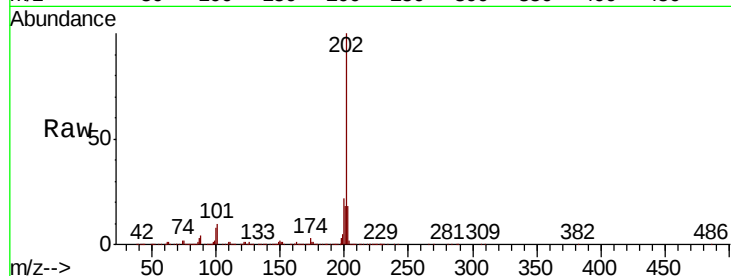




#78
Pvrene
Concen: 12.797 ng
RT: 19.78 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

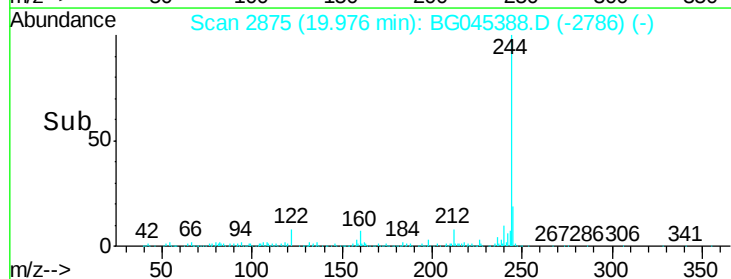
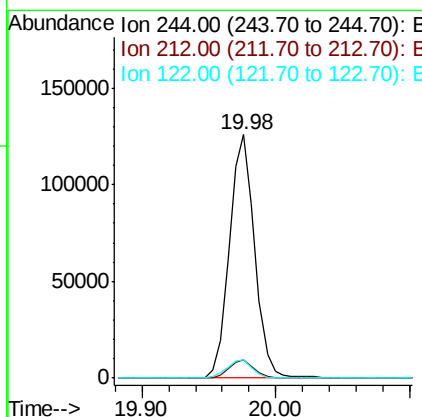
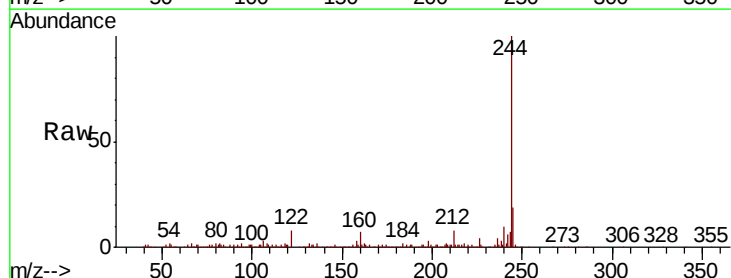
Instrument :
BNA_G
ClientSampleId :
SU-02-051220

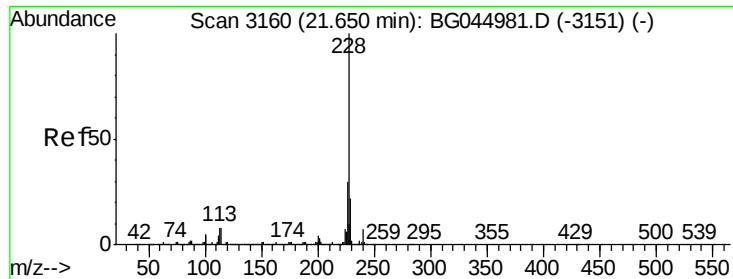
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	19.0	28.6
203	18.1	16.1	24.1



#79
Terphenyl-d14
Concen: 7.902 ng
RT: 19.98 min Scan# 2875
Delta R.T. -0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.9	11.9#
122	7.6	7.7	11.5#





#81

Benzo(a)anthracene

Concen: 8.109 ng

RT: 21.60 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

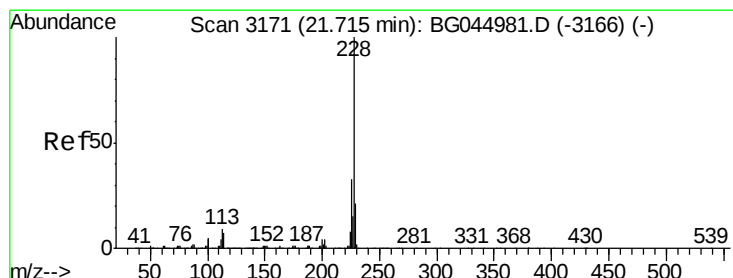
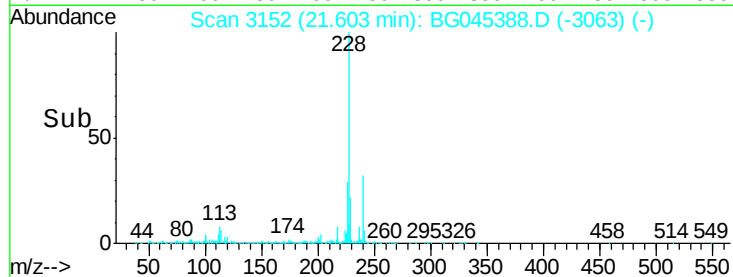
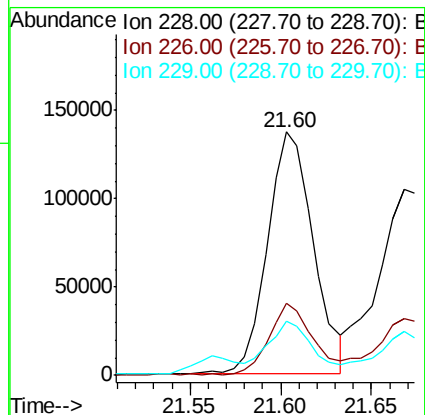
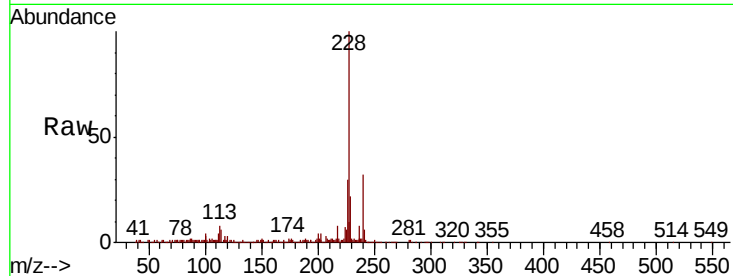
Instrument :

BNA_G

ClientSampleId :

SU-02-051220

Tot Ion:	228	Resp:	241623
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	22.1	17.5	26.3



#83

Chrysene

Concen: 7.087 ng

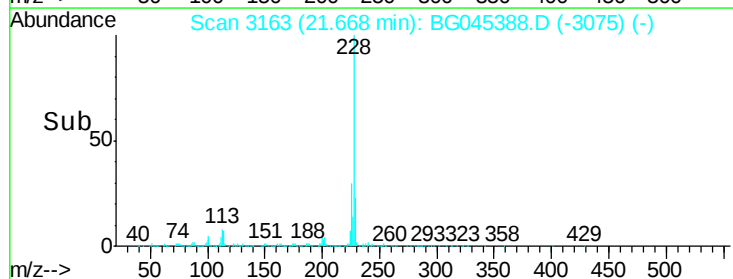
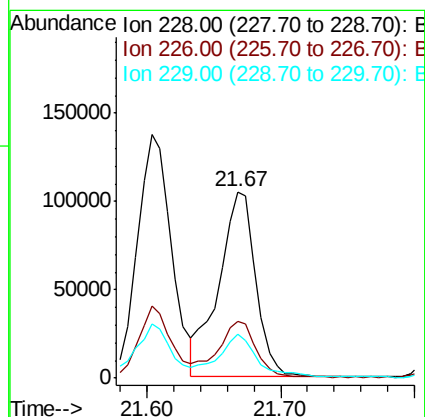
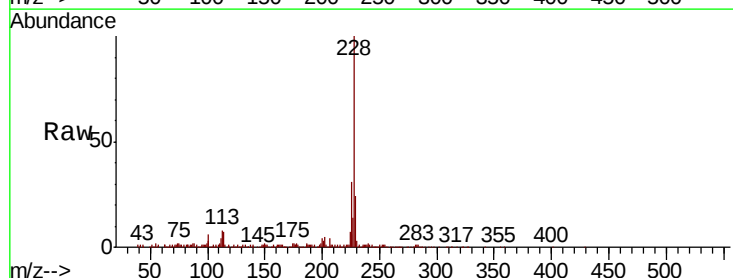
RT: 21.67 min Scan# 3163

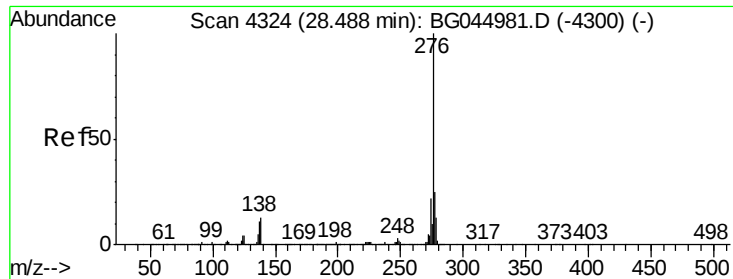
Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Tgt Ion:	228	Resp:	202880
Ion	Ratio	Lower	Upper
228	100		
226	30.7	26.2	39.4
229	23.8	17.0	25.6

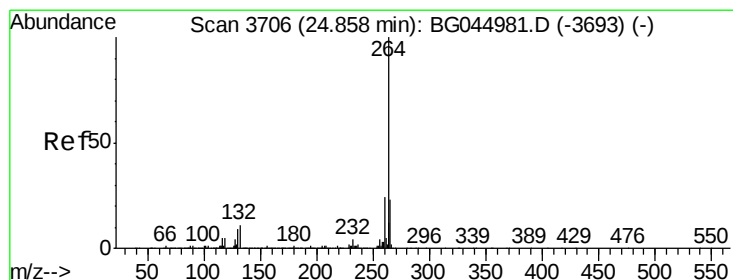
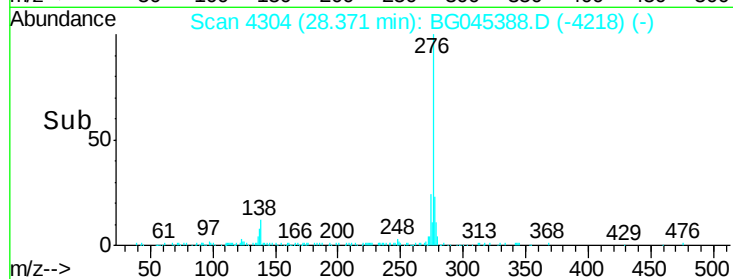
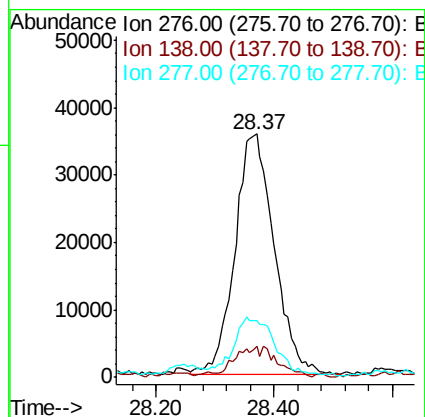
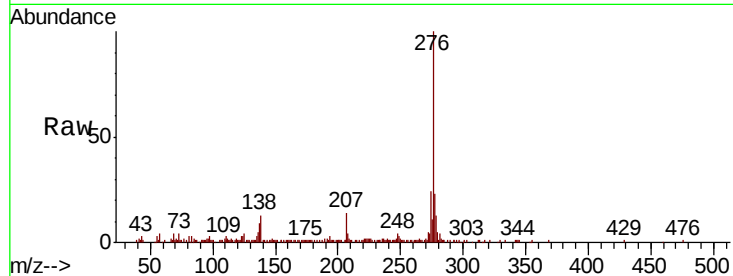




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.331 ng
RT: 28.37 min Scan# 4304
Delta R.T. -0.02 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

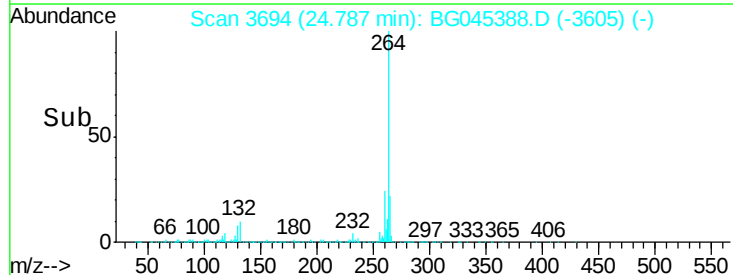
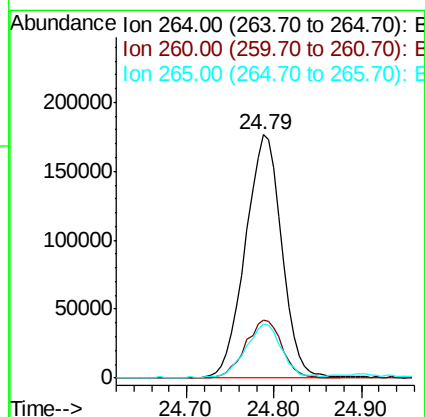
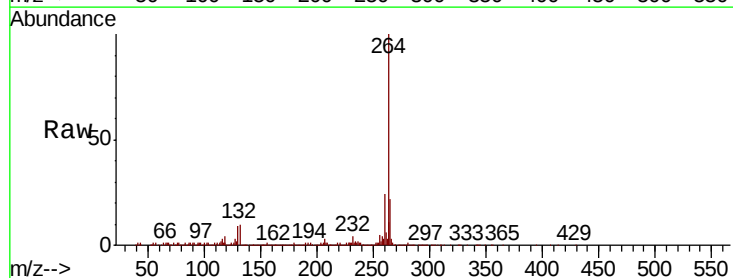
Instrument :
BNA_G
ClientSampleId :
SU-02-051220

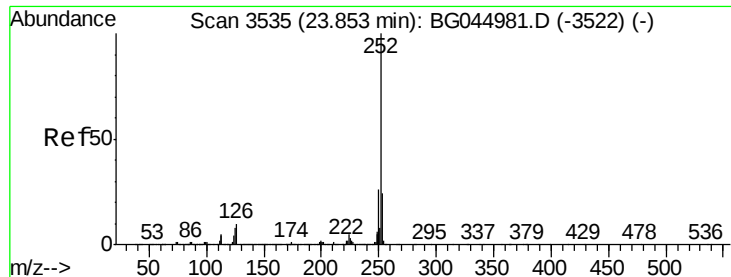
Tot Ion:276 Resp: 164620
Ion Ratio Lower Upper
276 100
138 6.4 9.6 14.4#
277 24.2 20.6 31.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.79 min Scan# 3694
Delta R.T. -0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

Tgt Ion:264 Resp: 499588
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.1 19.0 28.4





#88

Benzo(b)fluoranthene

Concen: 10.635 ng

RT: 23.79 min Scan# 3524

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

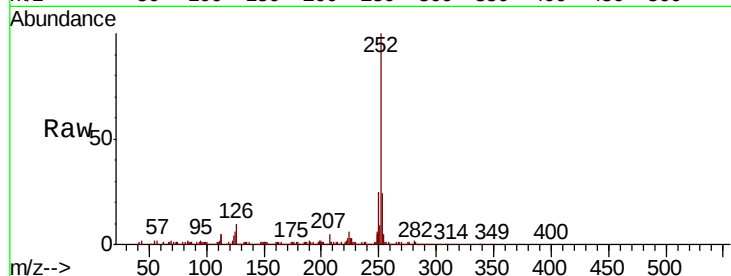
Tot Ion:252 Resp: 332819

Ion Ratio Lower Upper

252 100

253 23.8 18.8 28.2

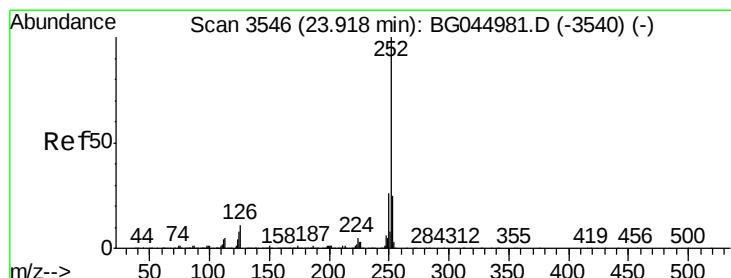
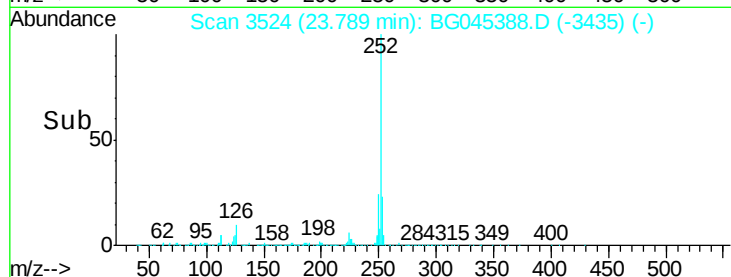
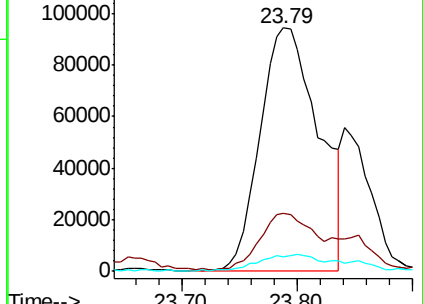
125 5.7 6.2 9.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 3.149 ng m

RT: 23.84 min Scan# 3533

Delta R.T. -0.02 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

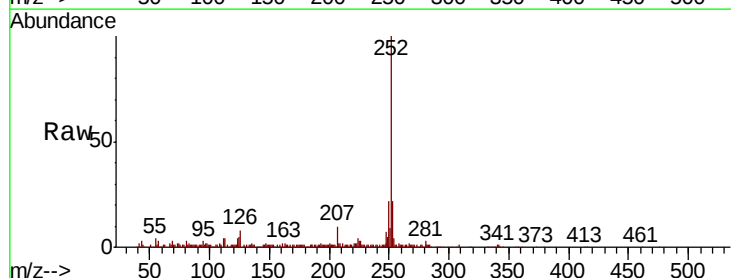
Tgt Ion:252 Resp: 93718

Ion Ratio Lower Upper

252 100

253 22.1 19.2 28.8

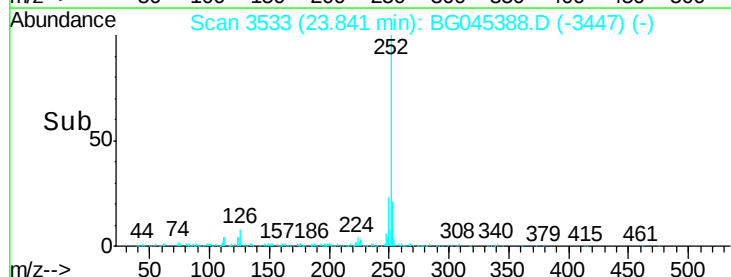
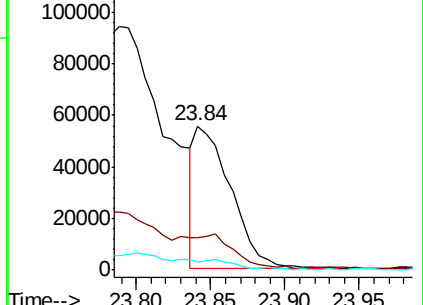
125 5.4 5.9 8.9#

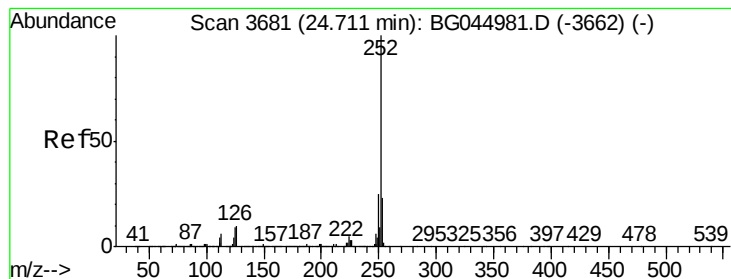


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.882 ng

RT: 24.63 min Scan# 3668

Delta R.T. -0.02 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Instrument :

BNA_G

ClientSampleId :

SU-02-051220

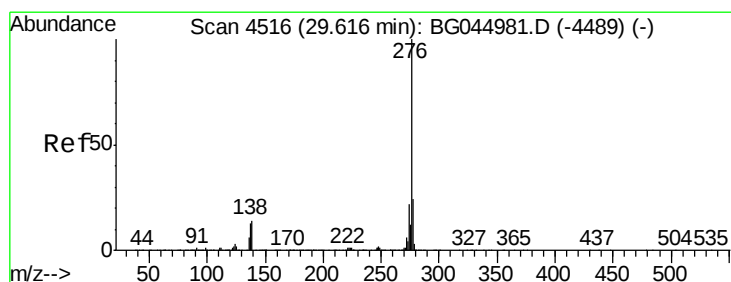
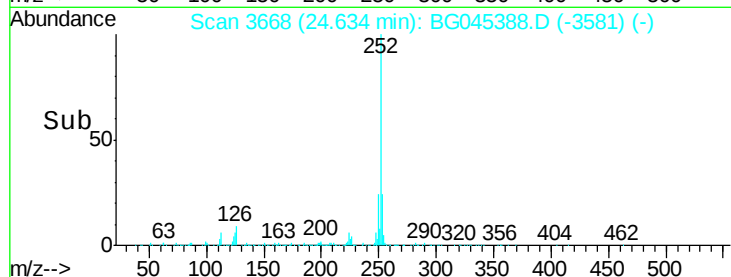
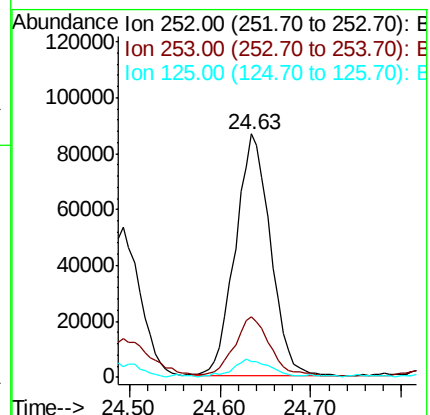
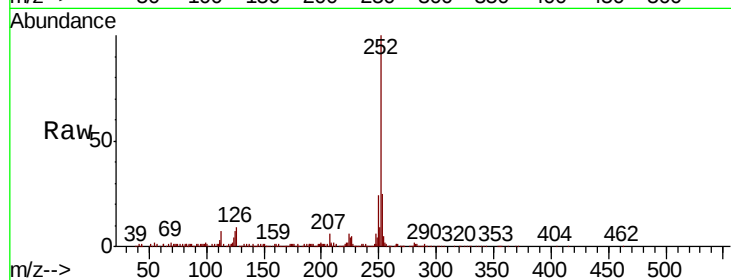
Tot Ion:252 Resp: 232896

Ion Ratio Lower Upper

252 100

253 24.8 18.3 27.5

125 6.5 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 5.453 ng

RT: 29.48 min Scan# 4492

Delta R.T. -0.04 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Tgt Ion:276 Resp: 162765

Ion Ratio Lower Upper

276 100

277 22.1 19.3 28.9

138 14.4 11.4 17.2

