

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 :

Quant Time: May 15 00:39:56 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

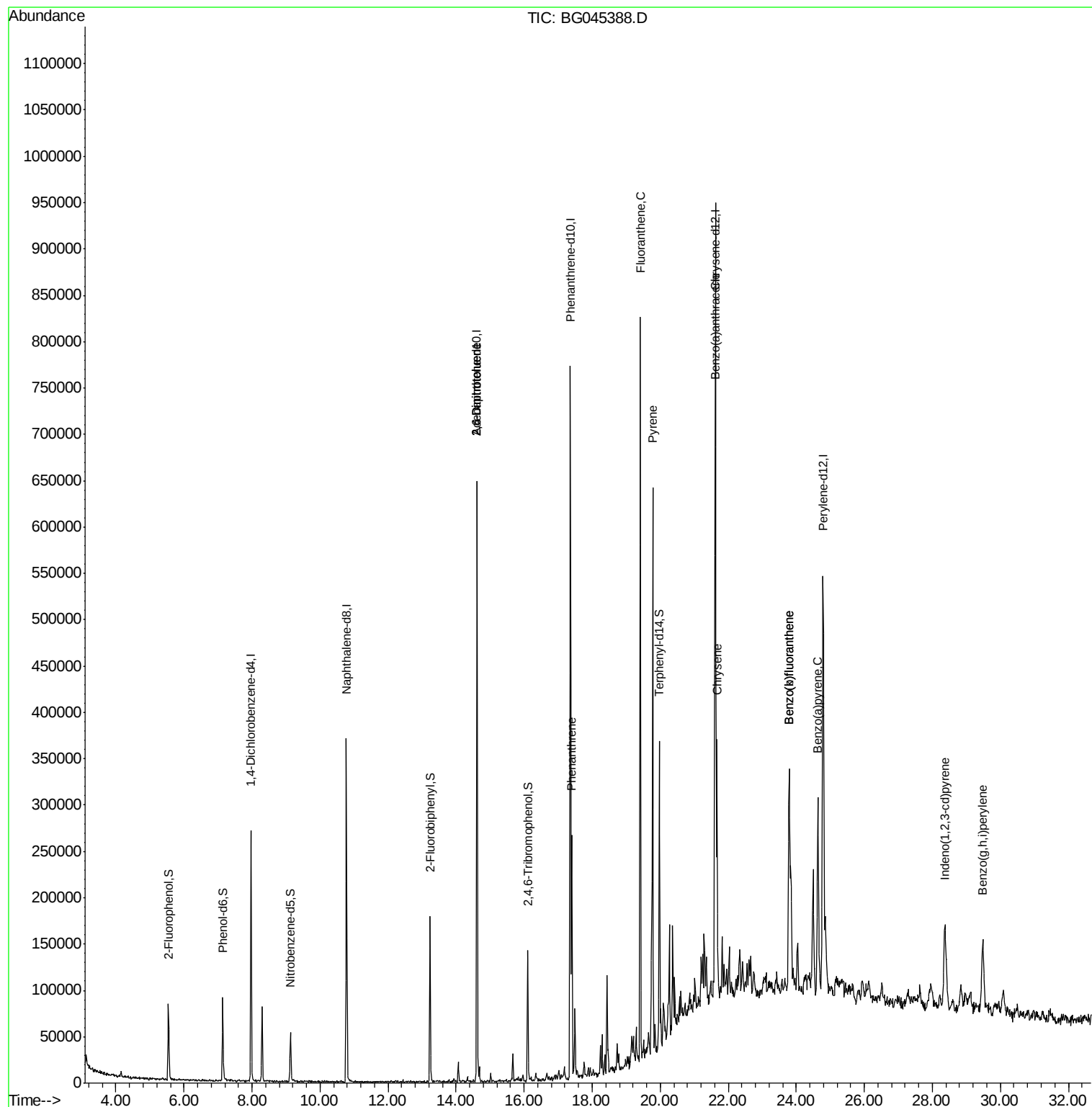
Target Compounds				Qvalue		
9) Benzaldehyde	7.08	77	62	Below Cal	#	4
51) 2,6-Dinitrotoluene	14.61	165	30797	6.993 ng	#	24
57) 2,4-Dinitrotoluene	14.61	165	30797	4.785 ng	#	22
69) Atrazine	16.77	200	54	Below Cal	#	35
71) Phenanthrene	17.40	178	158143	5.981 ng		99
74) Di-n-butylphthalate	18.33	149	288	Below Cal	#	76
75) Fluoranthene	19.42	202	528389	12.553 ng		97
77) Benzidine	19.98	184	3374	Below Cal		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	23.79	252	332819	11.183 ng	#	99
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

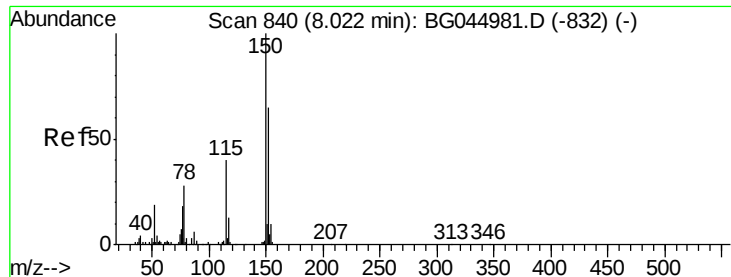
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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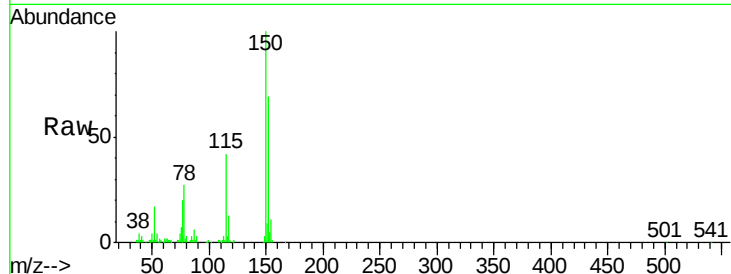


#1

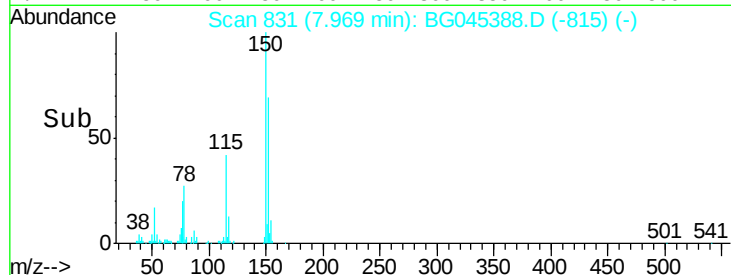
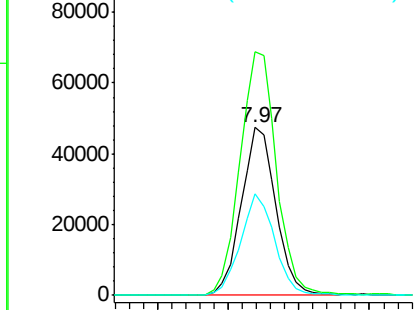
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

Instrument :
BNA_G
ClientSampleId :

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



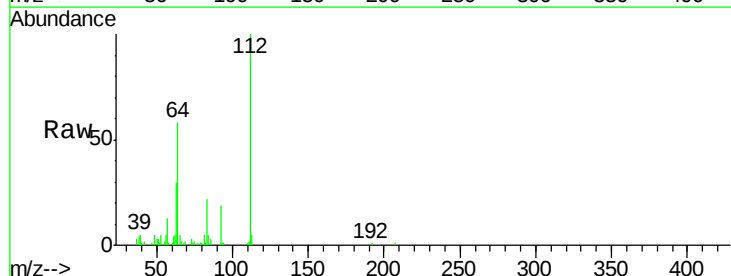
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



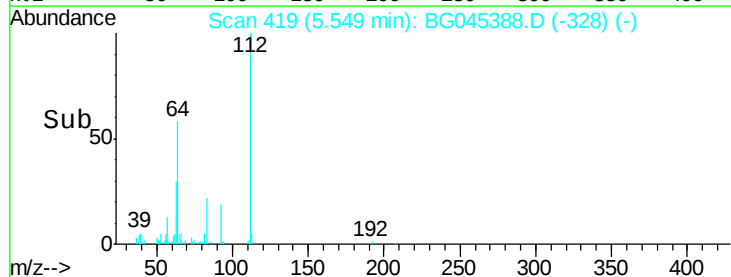
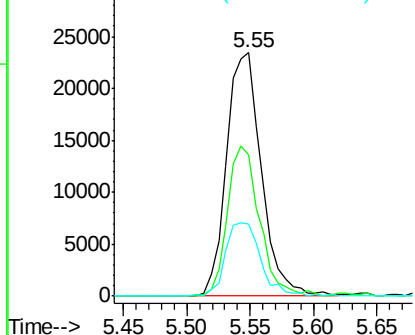
#5

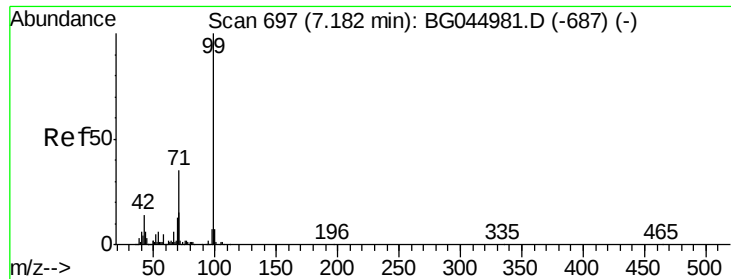
2-Fluorophenol
Concen: 9.061 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

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 :

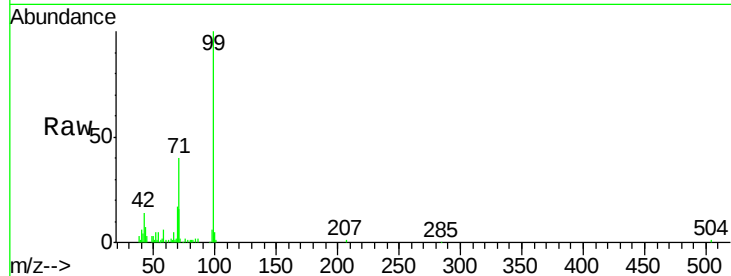
Tot Ion: 99 Resp: 62623

Ion Ratio Lower Upper

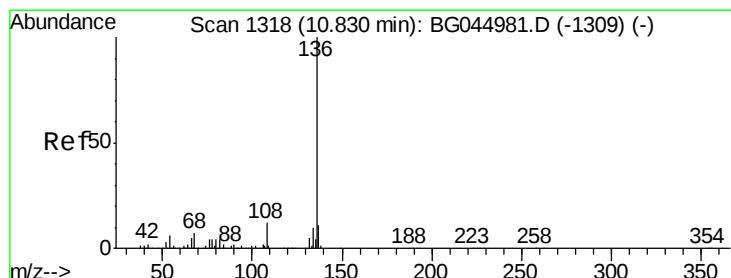
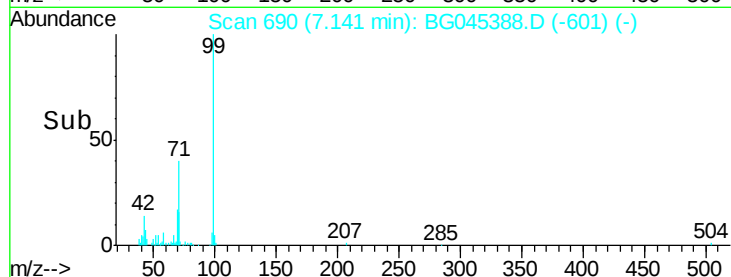
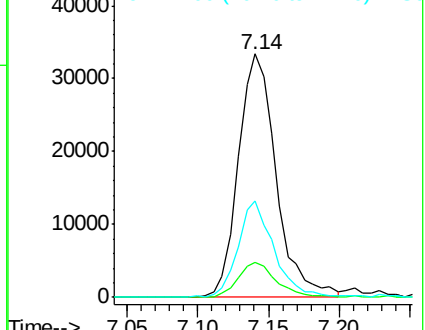
99 100

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

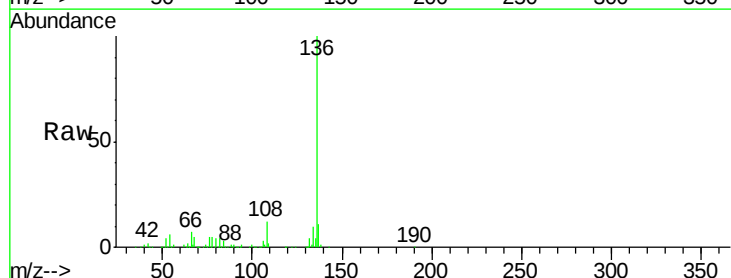
Ion Ratio Lower Upper

136 100

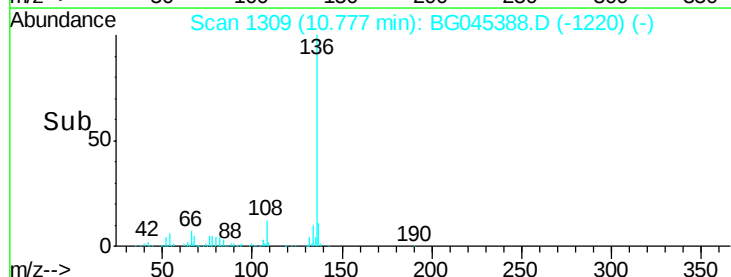
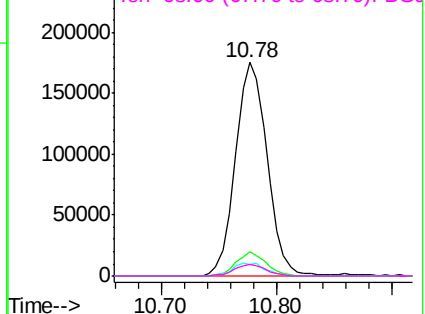
137 11.2 8.6 13.0

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

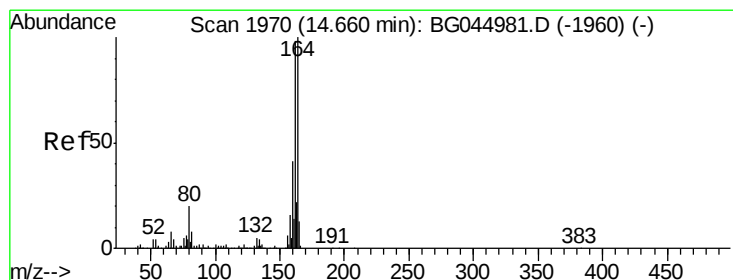
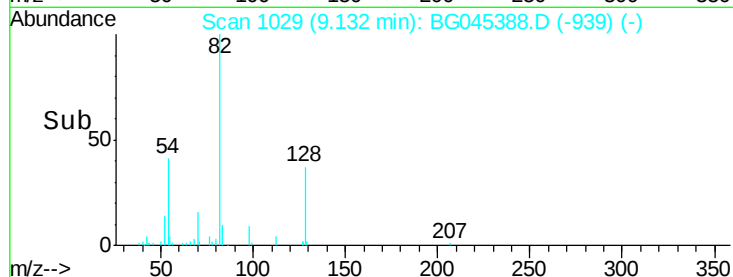
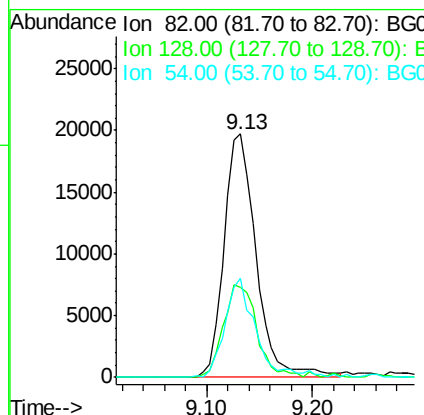
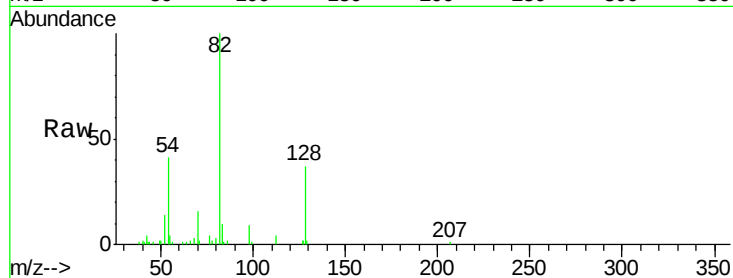




#23
 Nitrobenzene-d5
 Concen: 5.689 ng
 RT: 9.13 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BG045388.D
 Acq: 14 May 2020 21:51

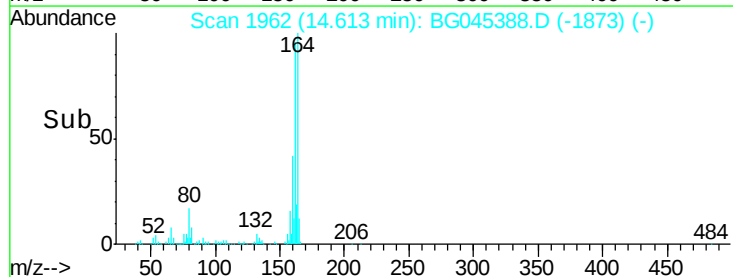
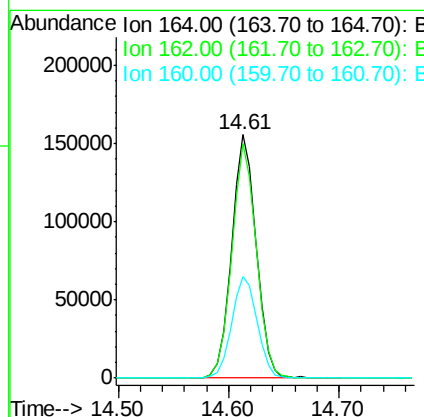
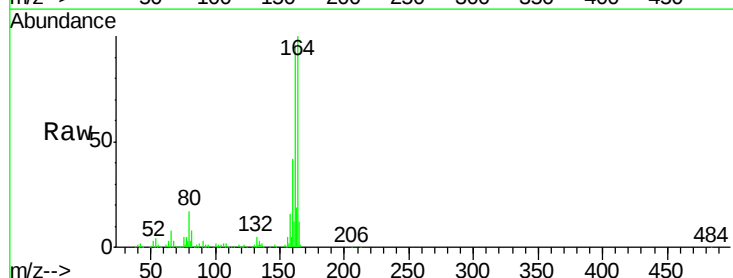
Instrument :
 BNA_G
 ClientSampleId :

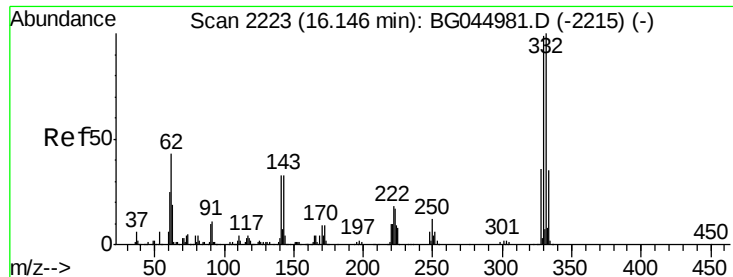
Tot Ion	82	Resp	41566
Ion	Ratio	Lower	Upper
82	100		
128	36.8	33.0	49.4
54	40.6	30.4	45.6



#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

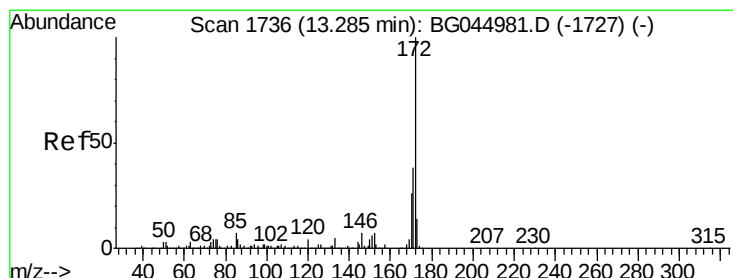
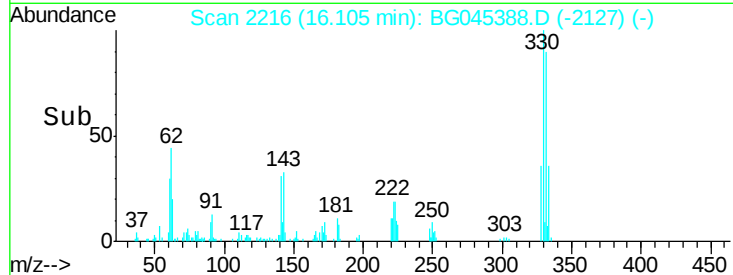
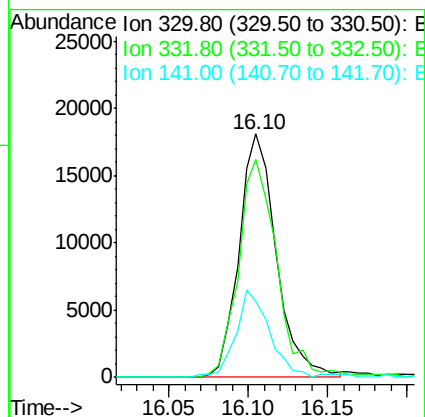
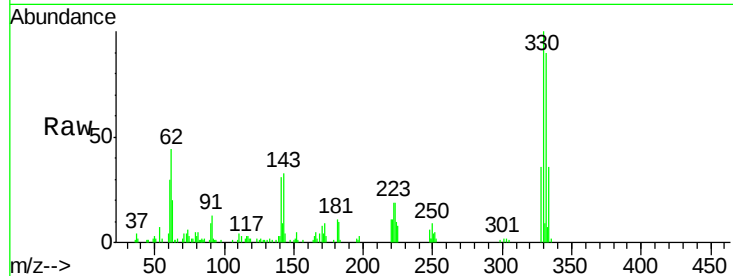




#42
 2,4,6-Tribromophenol
 Concen: 7.899 ng
 RT: 16.10 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG045388.D
 Acq: 14 May 2020 21:51

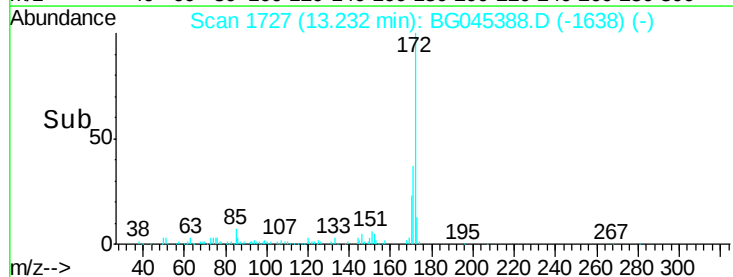
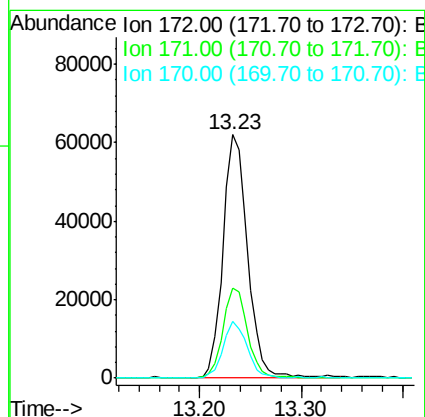
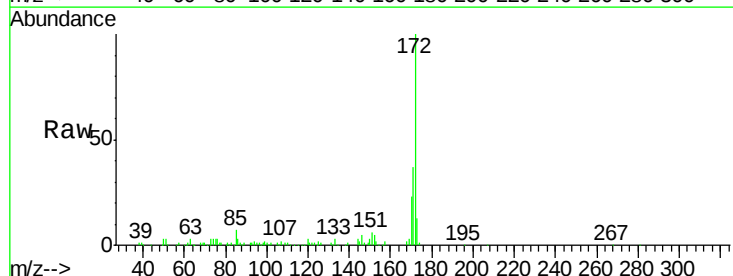
Instrument :
 BNA_G
 ClientSampleId :

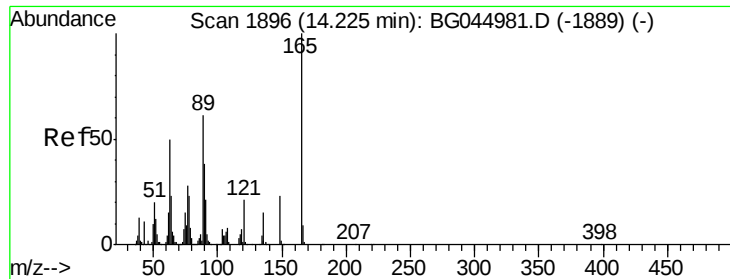
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.4	79.1	118.7
141	32.2	27.1	40.7



#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	Ratio	Lower	Upper
172	100		
171	36.9	30.6	46.0
170	23.4	20.5	30.7





#51

2,6-Dinitrotoluene

Concen: 6.993 ng

RT: 14.61 min Scan# 1962

Delta R.T. 0.42 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Instrument :

BNA_G

ClientSampleId :

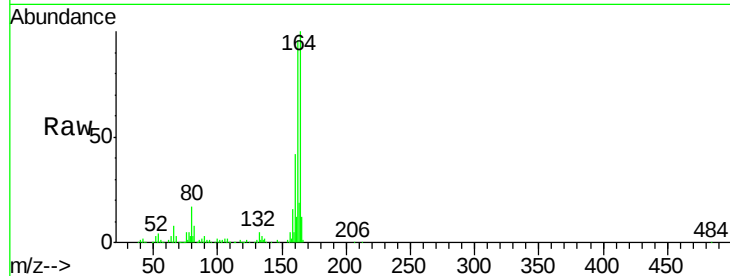
Tot Ion:165 Resp: 30797

Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

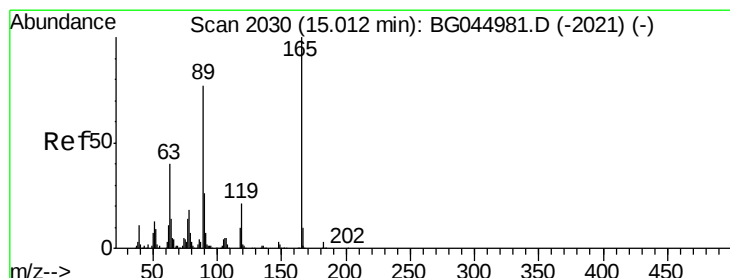
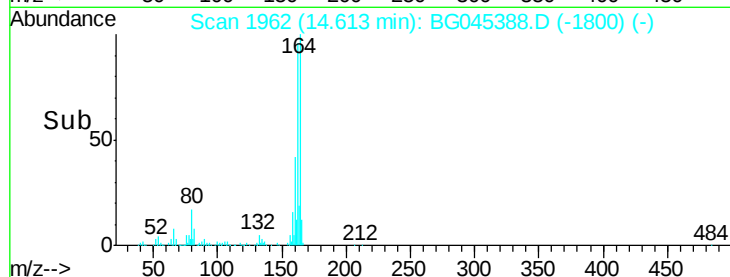
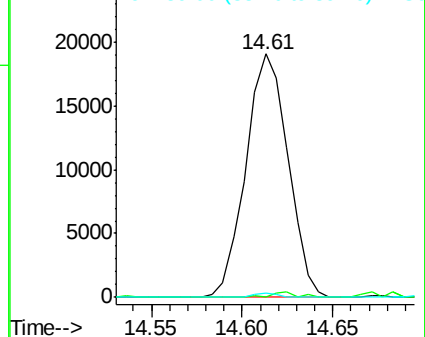
89 1.7 49.1 73.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 4.785 ng

RT: 14.61 min Scan# 1962

Delta R.T. -0.36 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Tgt Ion:165 Resp: 30797

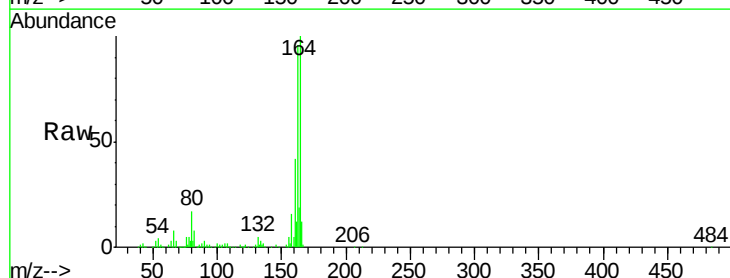
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 1.7 61.7 92.5#

182 0.0 2.0 3.0#

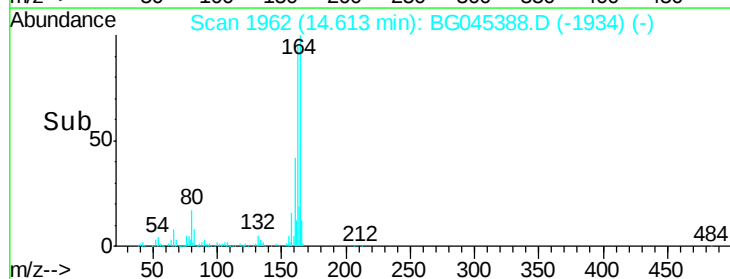
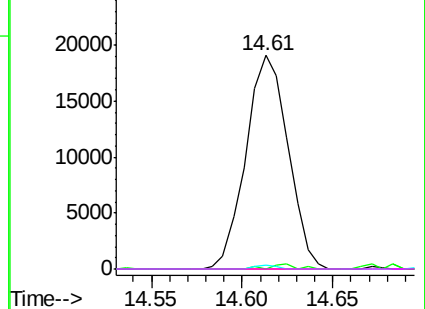


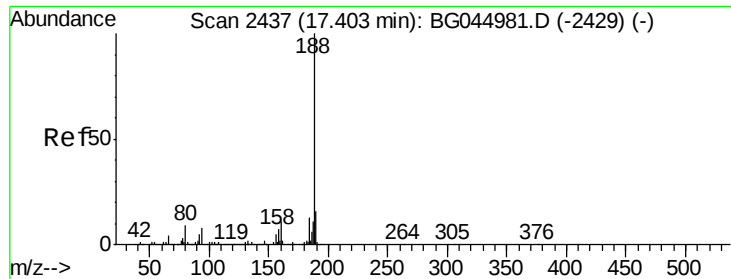
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): 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 :

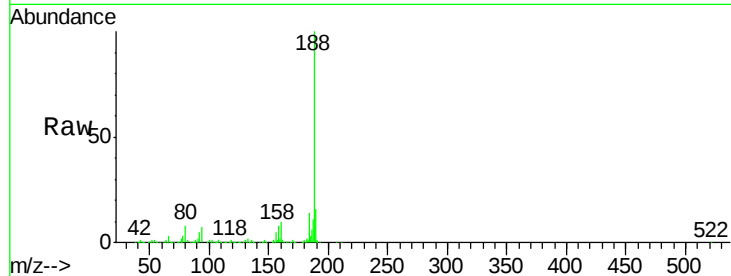
Tot Ion:188 Resp: 514530

Ion Ratio Lower Upper

188 100

94 6.8 6.2 9.4

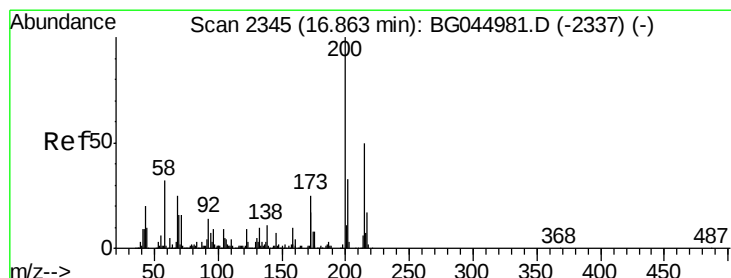
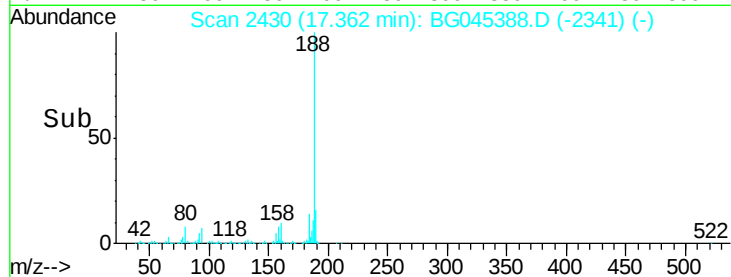
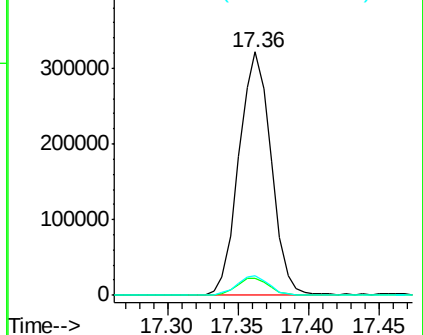
80 8.2 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#69

Atrazine

Concen: Below Cal

RT: 16.77 min Scan# 2330

Delta R.T. -0.05 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

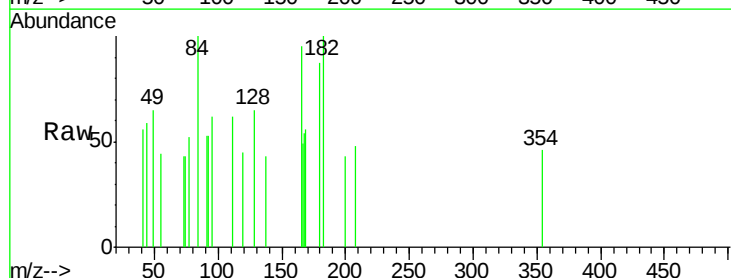
Tgt Ion:200 Resp: 54

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

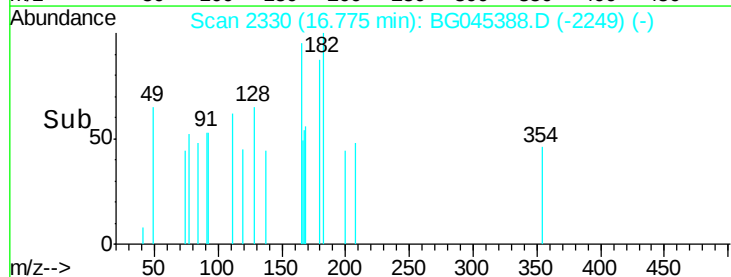
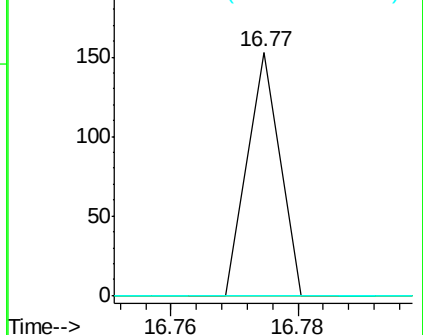
215 0.0 30.0 70.0#

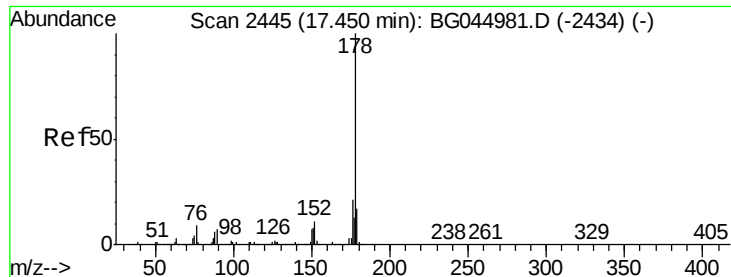


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#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

Instrument :

BNA_G

ClientSampleId :

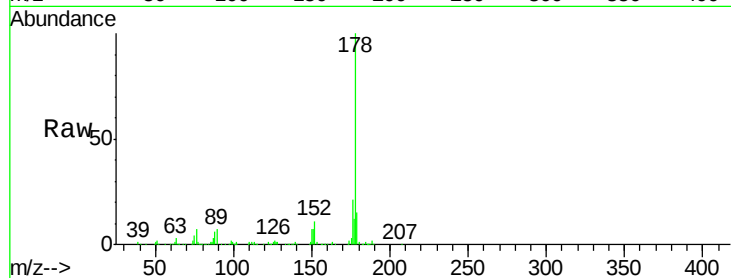
Tot Ion:178 Resp: 158143

Ion Ratio Lower Upper

178 100

176 20.9 16.8 25.2

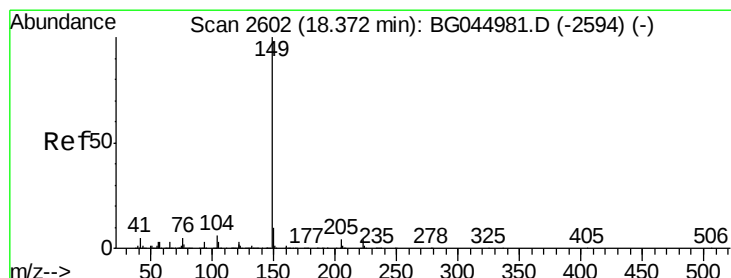
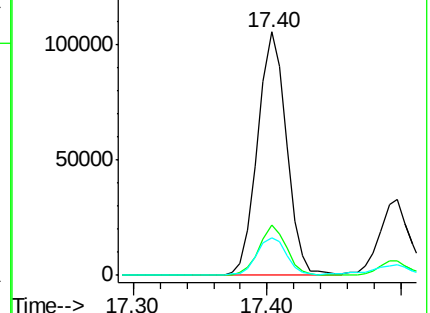
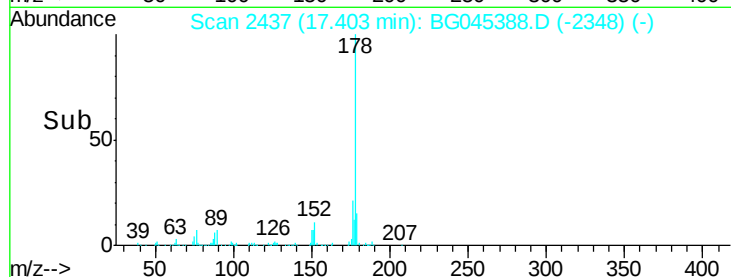
179 15.3 13.2 19.8



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



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2594

Delta R.T. -0.01 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

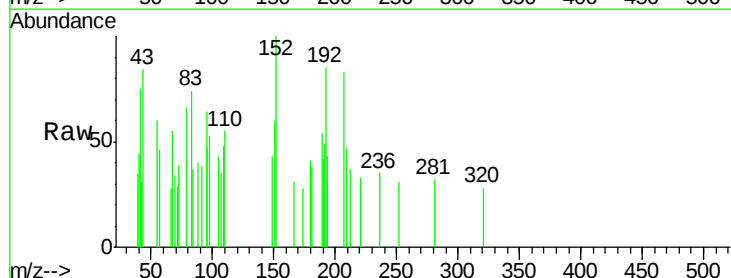
Tgt Ion:149 Resp: 288

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

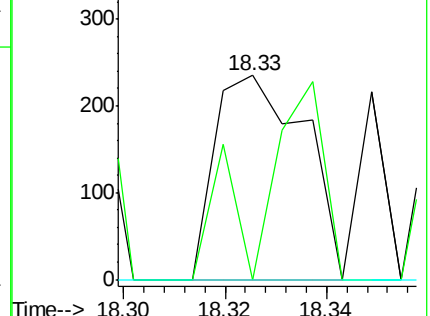
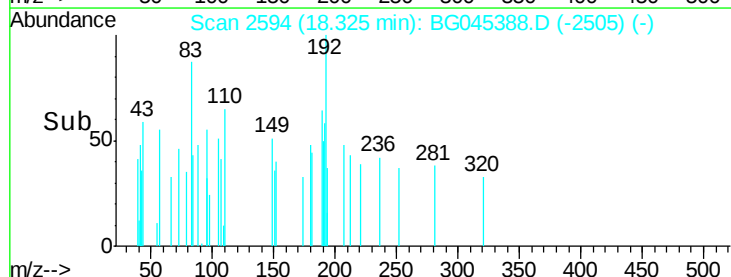
104 0.0 4.8 7.2#

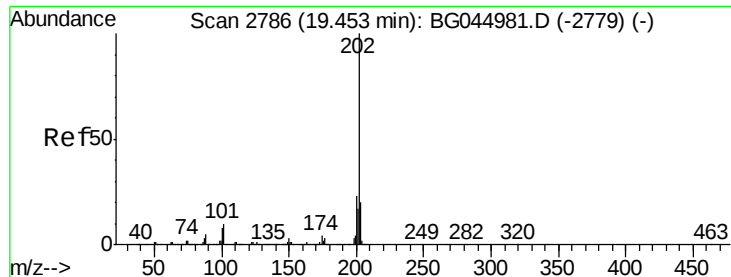


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): 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 :

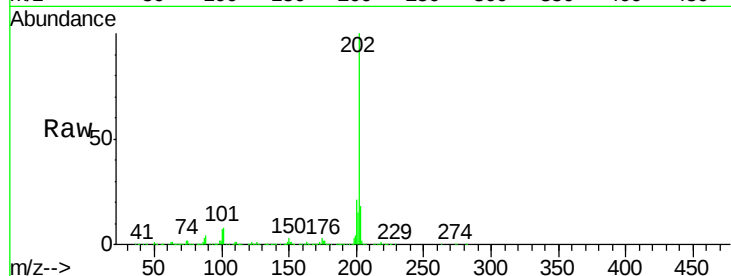
Tot Ion:202 Resp: 528389

Ion Ratio Lower Upper

202 100

101 8.3 0.0 29.6

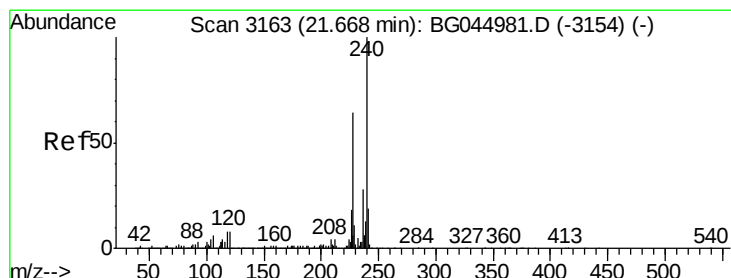
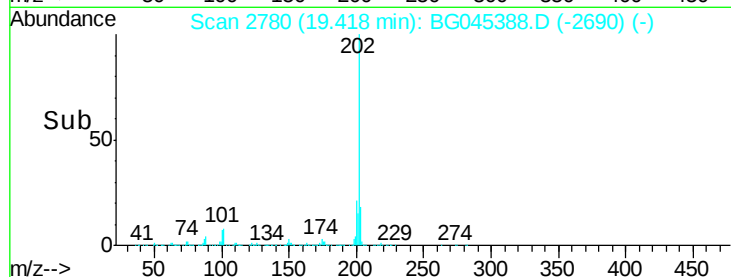
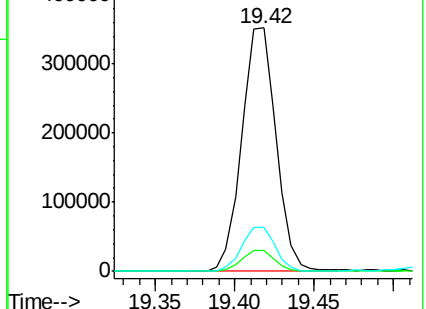
203 18.1 0.0 39.7



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

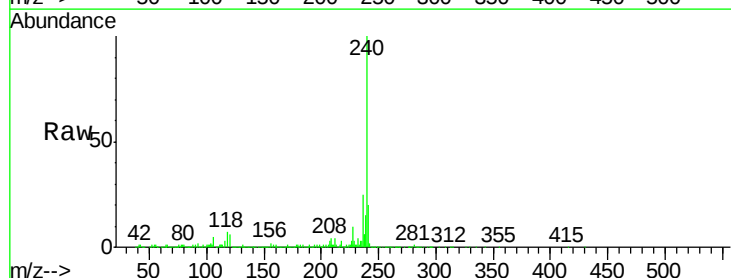
Tgt Ion:240 Resp: 459703

Ion Ratio Lower Upper

240 100

120 6.4 6.6 10.0#

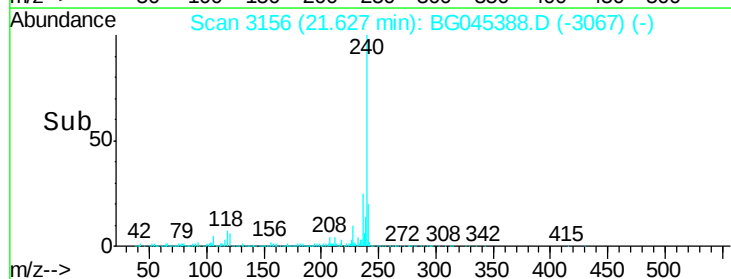
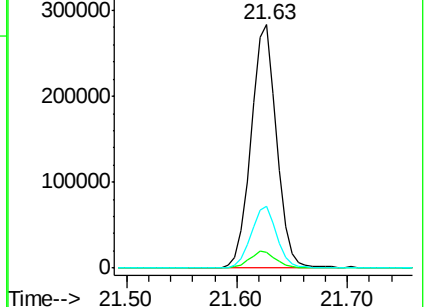
236 25.3 22.2 33.2

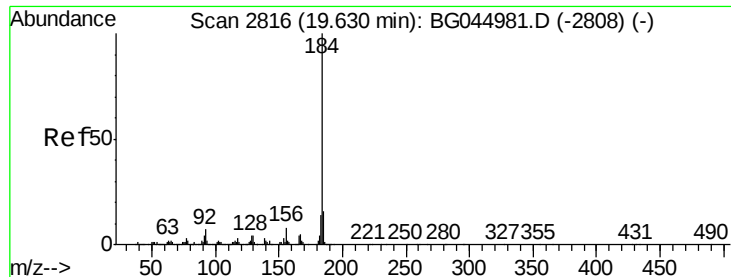


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG045388.D

Acq: 14 May 2020 21:51

Instrument :

BNA_G

ClientSampleId :

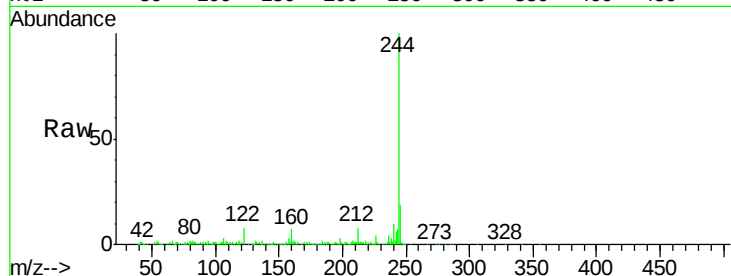
Tot Ion:184 Resp: 3374

Ion Ratio Lower Upper

184 100

185 15.1 12.6 19.0

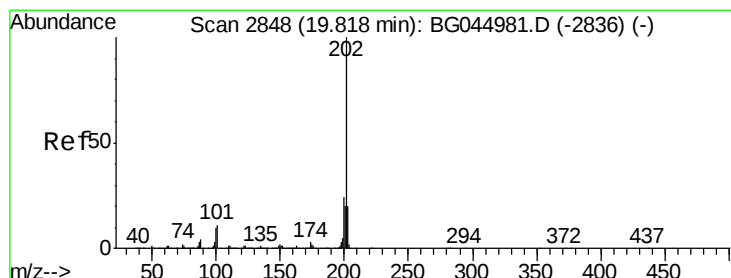
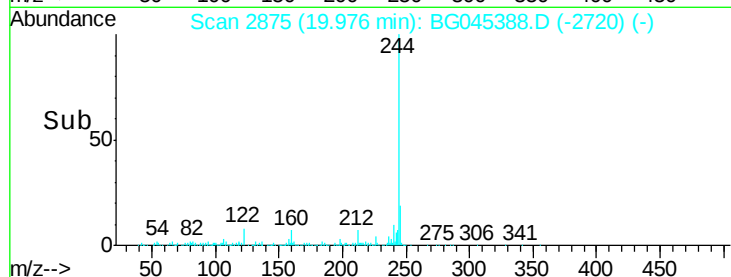
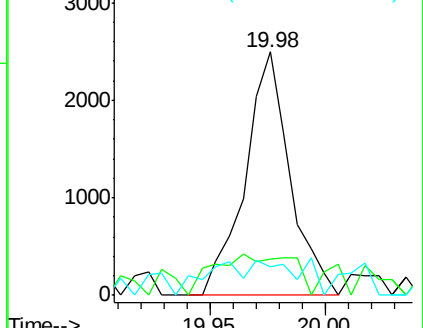
183 12.0 11.3 16.9



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: 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

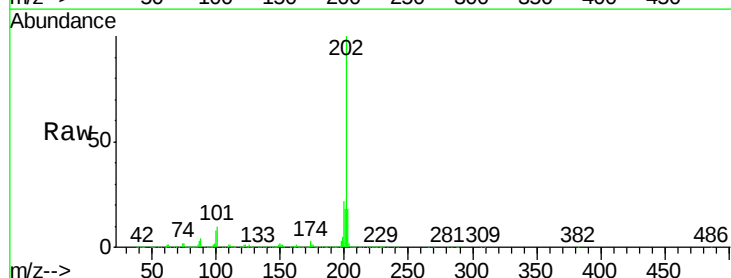
Tgt Ion:202 Resp: 405559

Ion Ratio Lower Upper

202 100

200 22.3 19.0 28.6

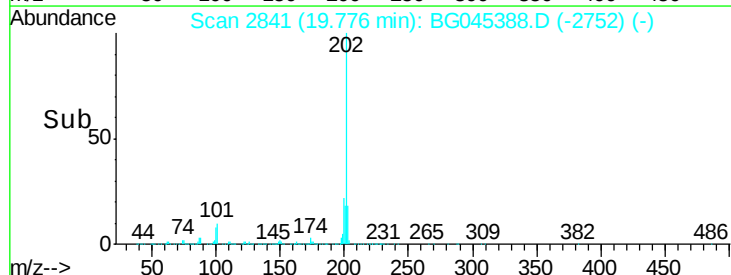
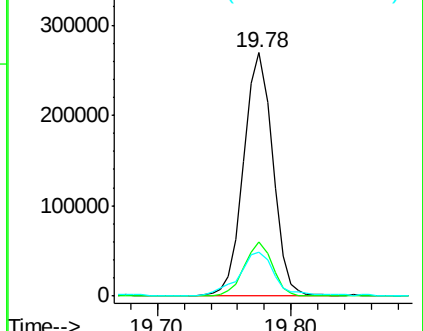
203 18.1 16.1 24.1

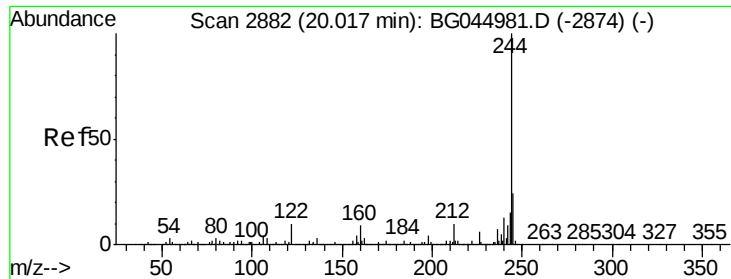


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 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

Instrument :

BNA_G

ClientSampleId :

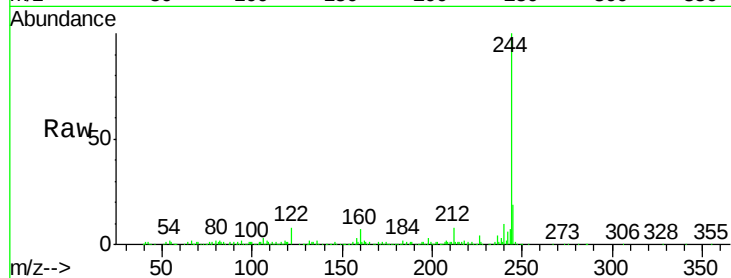
Tot Ion:244 Resp: 166674

Ion Ratio Lower Upper

244 100

212 7.6 7.9 11.9#

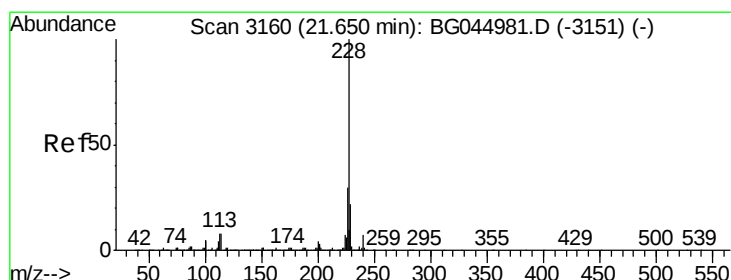
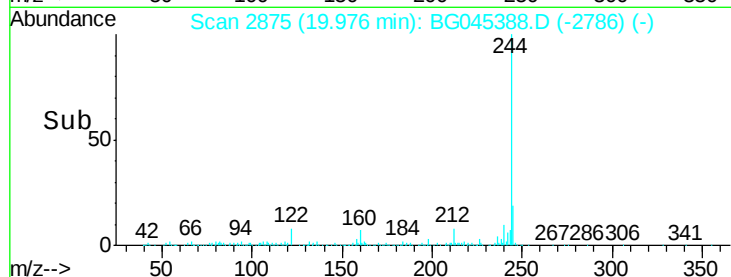
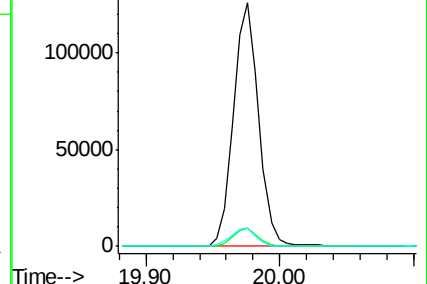
122 7.6 7.7 11.5#



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: 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

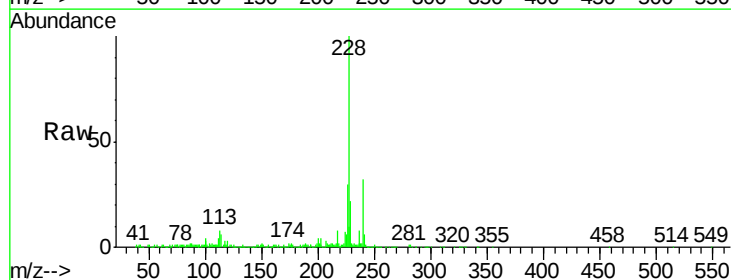
Tgt Ion:228 Resp: 241623

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

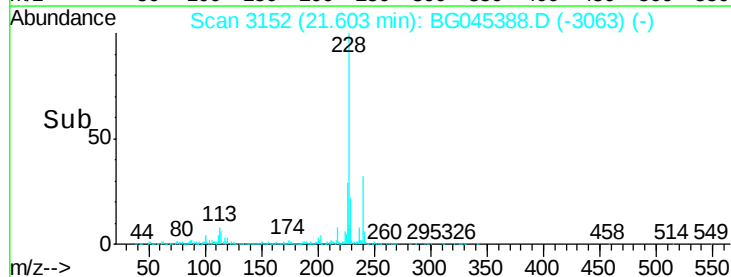
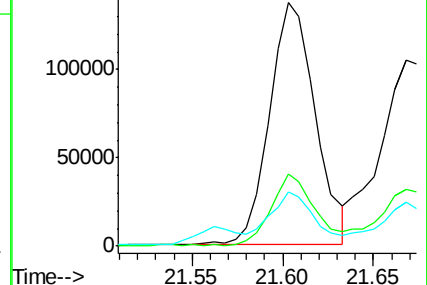
229 22.1 17.5 26.3

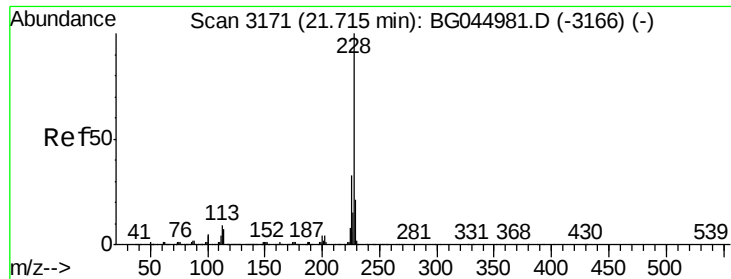


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

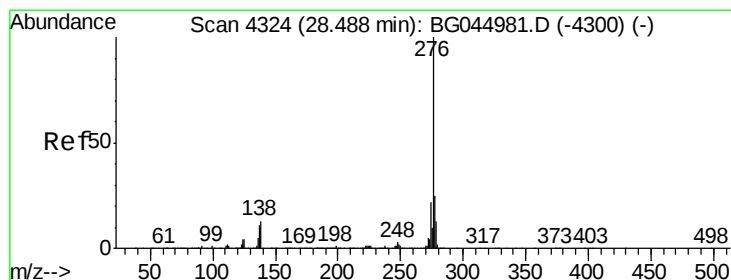
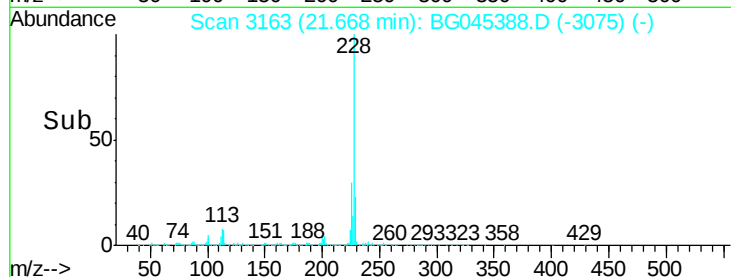
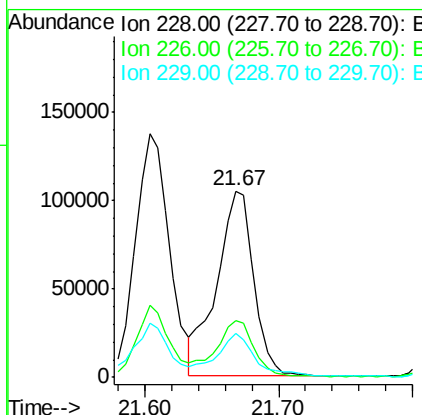
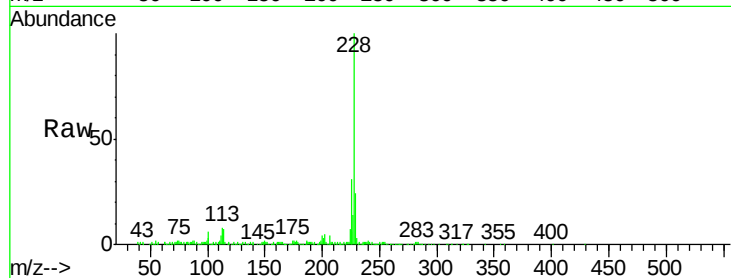




#83
Chrysene
Concen: 7.087 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

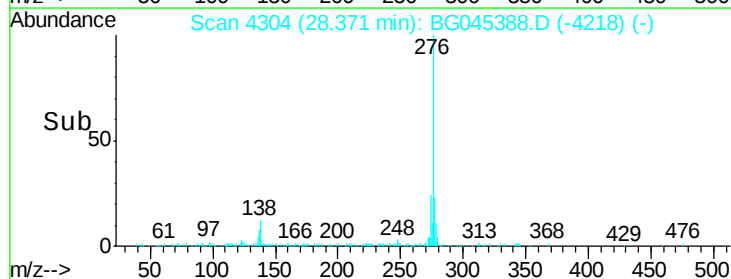
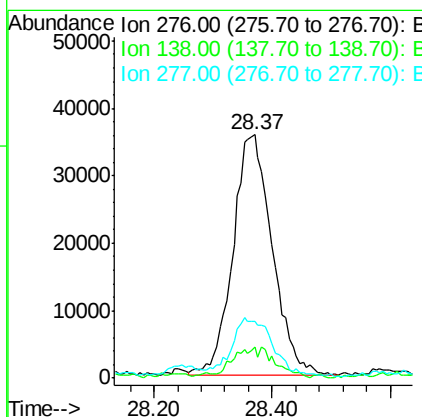
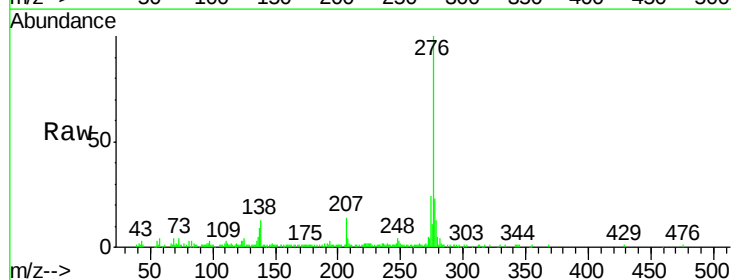
Instrument :
BNA_G
ClientSampleId :

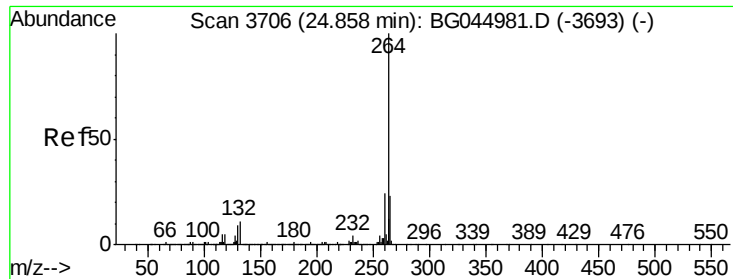
Tot Ion:228	Resp:	202880
Ion	Ratio	Lower Upper
228	100	
226	30.7	26.2 39.4
229	23.8	17.0 25.6



#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

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



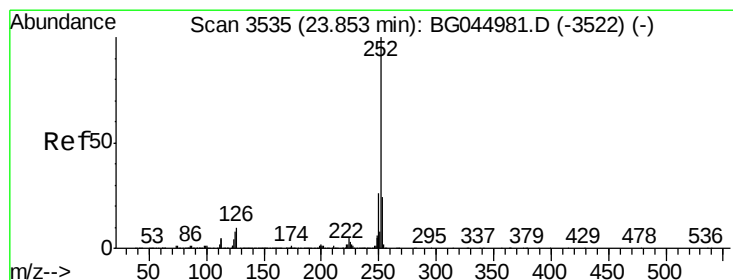
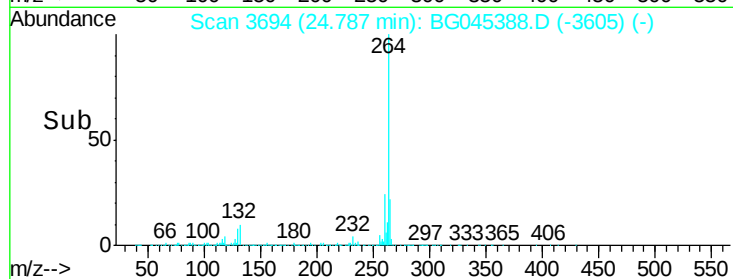
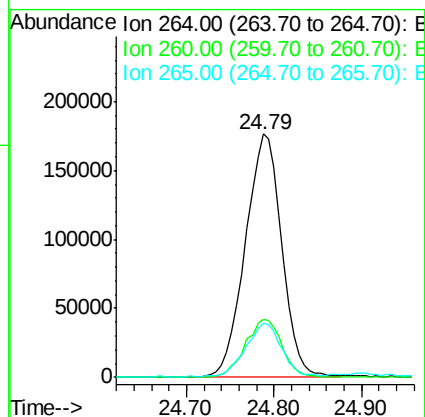
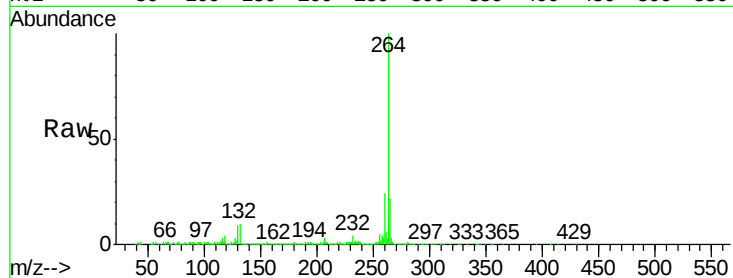


#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.79 min Scan# 3694
Delta R.T. -0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 499588

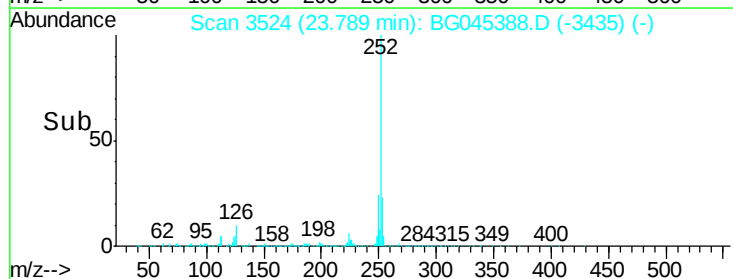
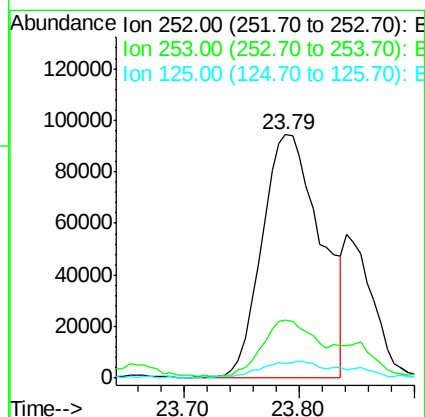
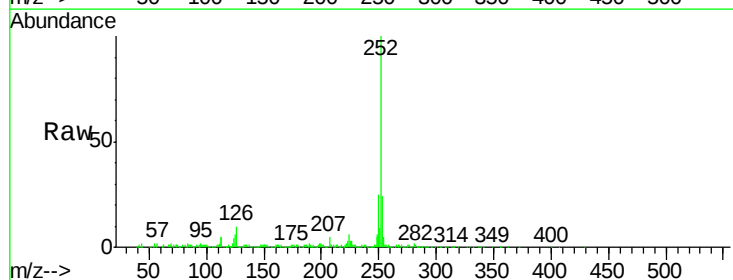
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.1	19.0	28.4

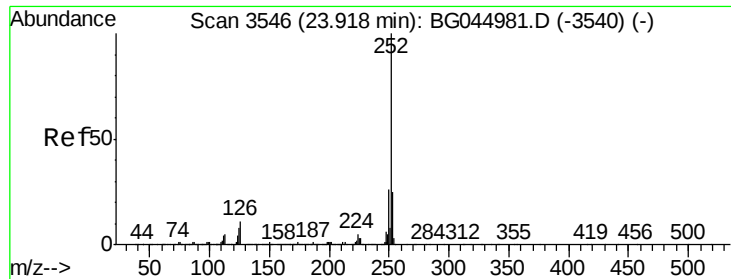


#88
Benzo(b)fluoranthene
Concen: 10.635 ng
RT: 23.79 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

Tgt Ion:252 Resp: 332819

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.8	28.2
125	5.7	6.2	9.4

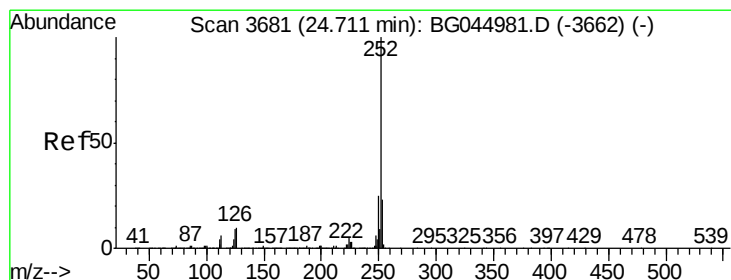
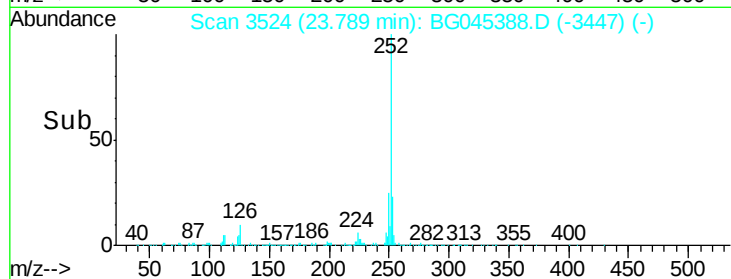
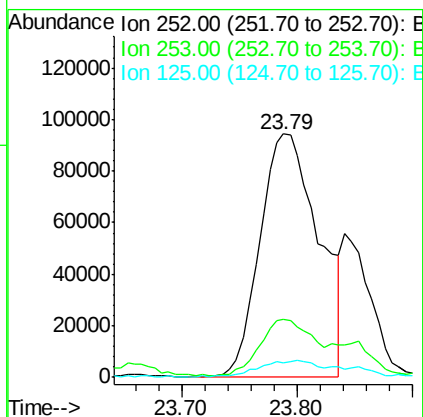
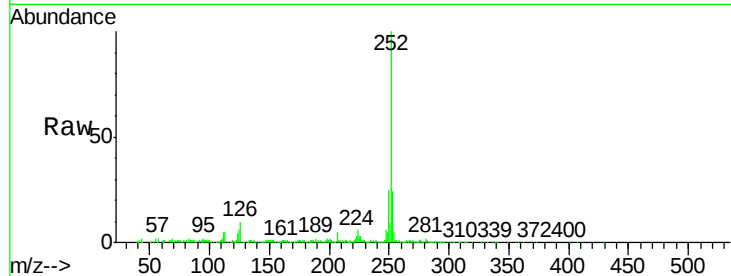




#89
Benzo(k)fluoranthene
Concen: 11.183 ng
RT: 23.79 min Scan# 3524
Delta R.T. -0.08 min
Lab File: BG045388.D
Acq: 14 May 2020 21:51

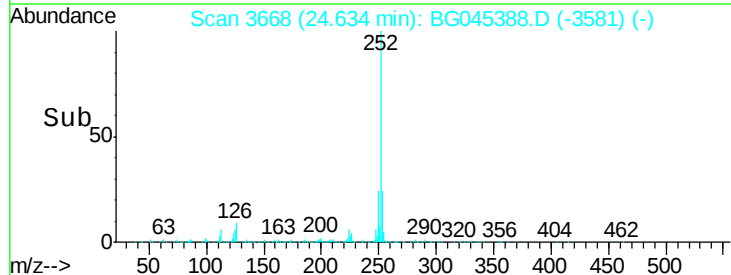
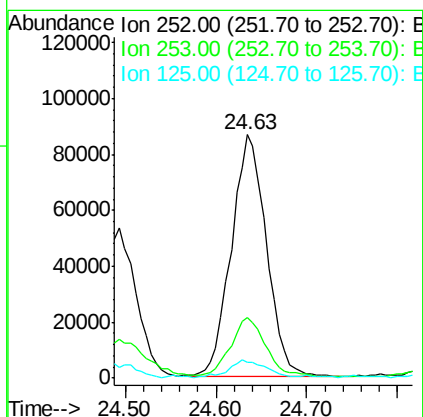
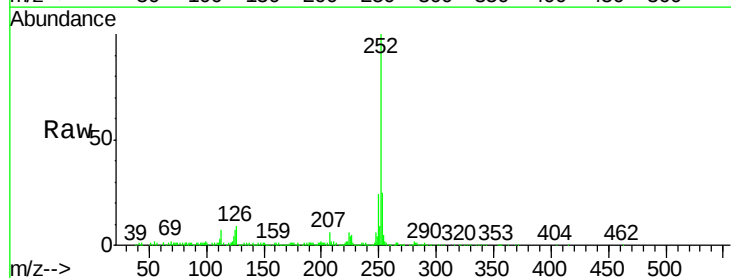
Instrument :
BNA_G
ClientSampleId :

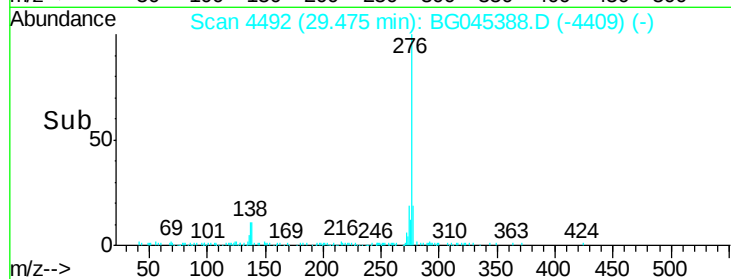
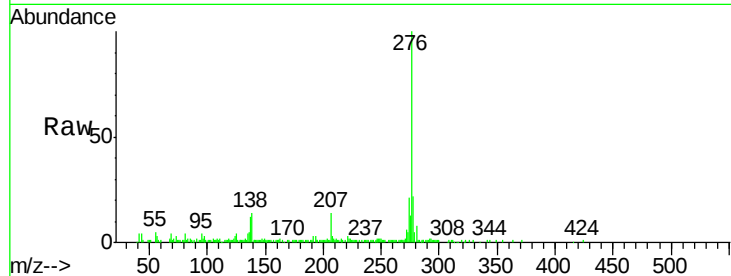
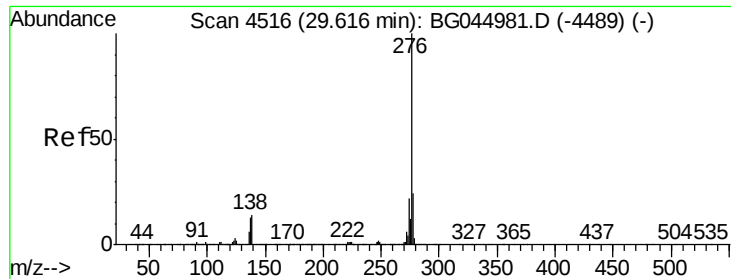
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.2	28.8
125	5.7	5.9	8.9



#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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.3	27.5
125	6.5	7.0	10.6





#92

Benzo(a,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

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 162765

Ion Ratio Lower Upper

276 100

277 22.1 19.3 28.9

138 14.4 11.4 17.2

