

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
 Data File : BG045019.D
 Acq On : 16 Apr 2020 23:29
 Operator : CG/JU
 Sample : L2281-09 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-35-36-43-44

Quant Time: Apr 17 04:40:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 17:57:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	73984	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	330347	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	236754	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	441146	20.00	ng	0.00
76) Chrysene-d12	21.67	240	357126	20.00	ng	0.00
87) Perylene-d12	24.86	264	401159	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	95074	21.22	ng	0.00
7) Phenol-d6	7.18	99	152958	22.97	ng	0.00
23) Nitrobenzene-d5	9.18	82	103547	14.30	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	77125	21.09	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	292831	18.14	ng	0.00
79) Terphenyl-d14	20.01	244	322912	19.71	ng	0.00

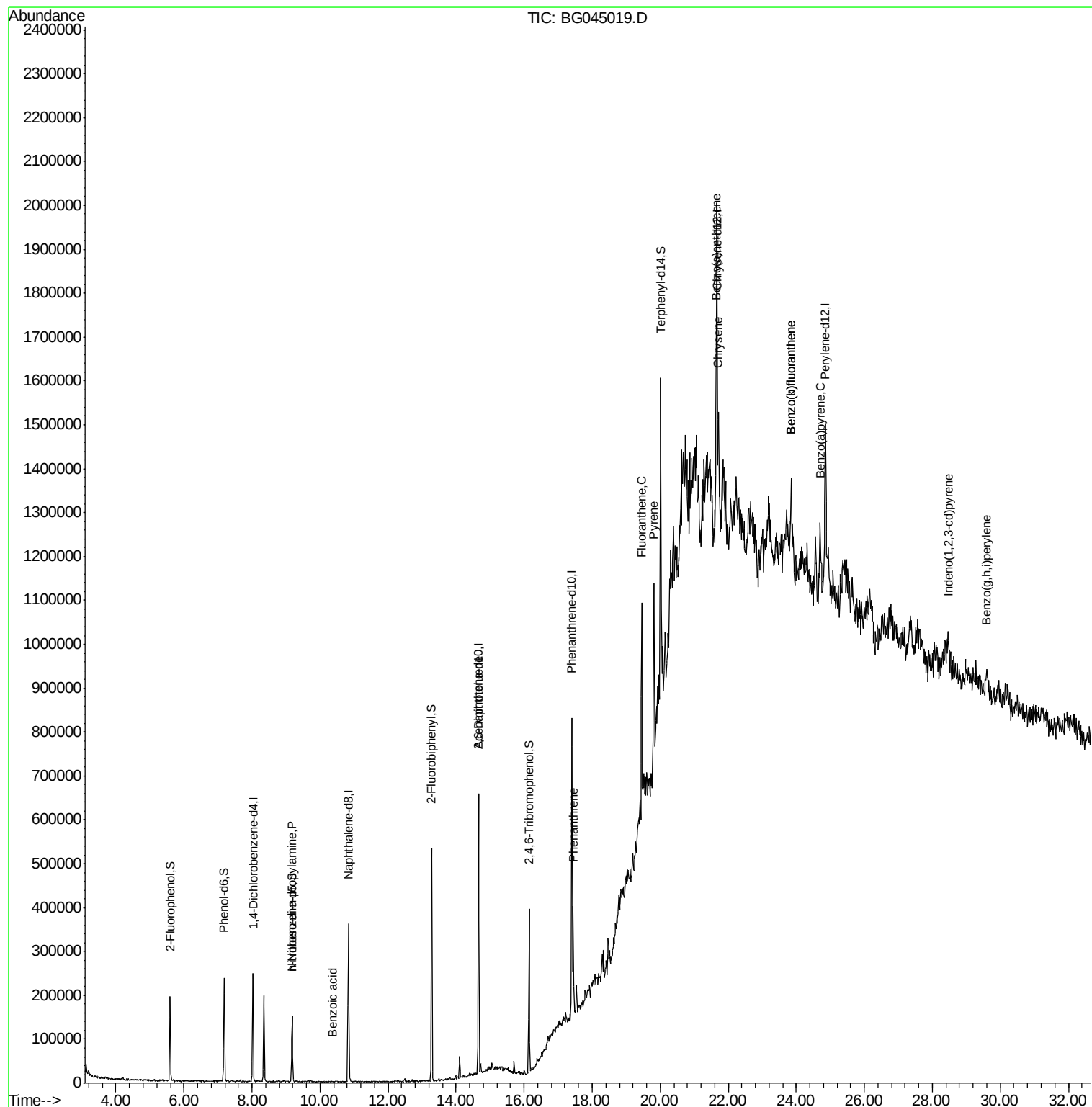
Target Compounds				Qvalue		
9) Benzaldehyde	7.12	77	102	Below Cal	#	36
19) n-Nitroso-di-n-propylamine	9.18	70	13926	2.958 ng	#	76
32) Benzoic acid	10.36	122	68	6.388 ng	#	34
51) 2,6-Dinitrotoluene	14.66	165	32786	7.604 ng	#	26
69) Atrazine	16.86	200	199	Below Cal	#	1
71) Phenanthrene	17.44	178	156557	6.906 ng		97
74) Di-n-butylphthalate	18.37	149	490	Below Cal	#	62
75) Fluoranthene	19.45	202	263754	4.321 ng		96
77) Benzidine	19.62	184	365	Below Cal	#	1
78) Pyrene	19.81	202	255478	10.377 ng		94
81) Benzo(a)anthracene	21.64	228	172836	7.467 ng		97
83) Chrysene	21.71	228	159258	7.161 ng		96
86) Indeno(1,2,3-cd)pyrene	28.48	276	120352	4.076 ng	#	91
88) Benzo(b)fluoranthene	23.85	252	243208	9.679 ng	#	90
89) Benzo(k)fluoranthene	23.85	252	243208	10.177 ng	#	89
90) Benzo(a)pyrene	24.70	252	173564	7.316 ng	#	87
92) Benzo(a,h,i)perylene	29.60	276	104709	4.369 ng		92

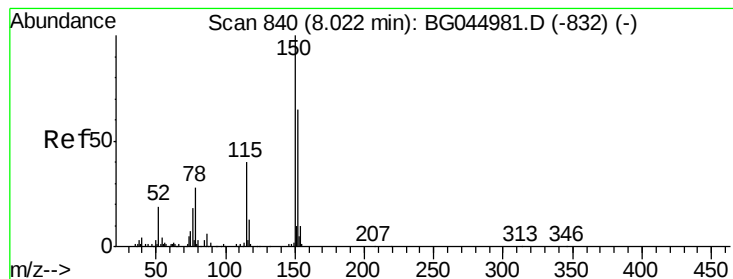
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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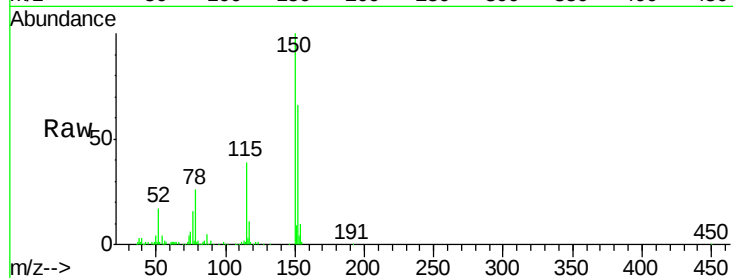


#1

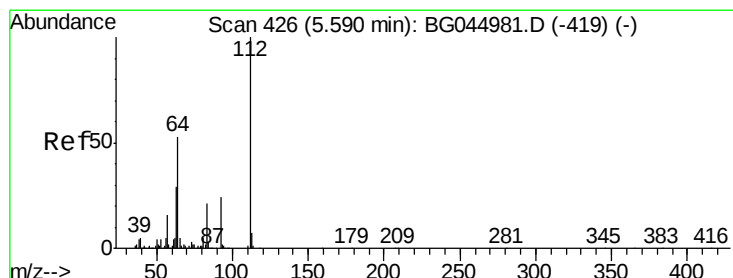
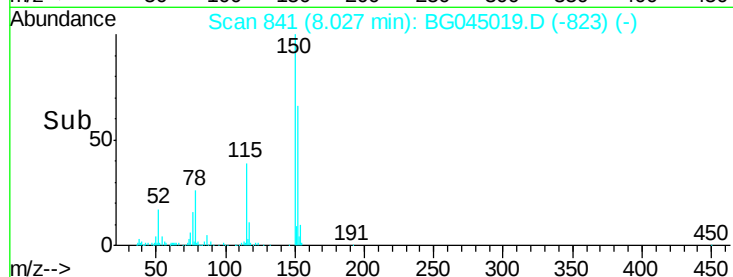
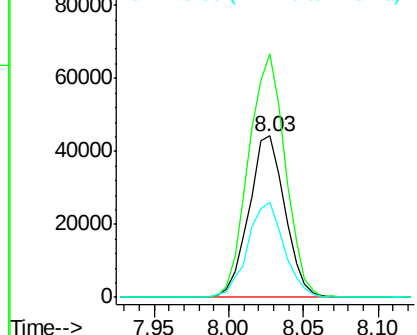
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. 0.01 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

Instrument :
BNA_G
ClientSampleId :
TP-35-36-43-44

Tot Ion:152 Resp: 73984
Ion Ratio Lower Upper
152 100
150 150.6 123.6 185.4
115 58.6 49.1 73.7



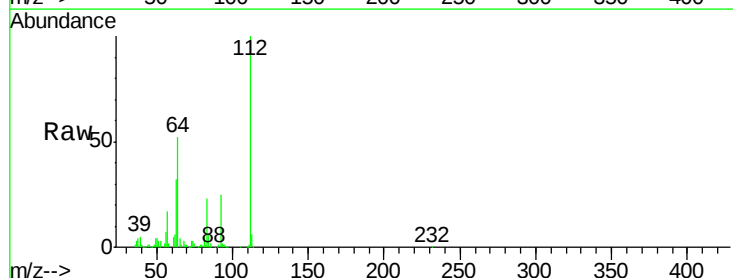
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



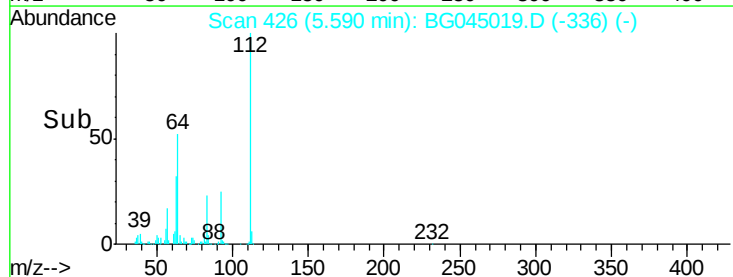
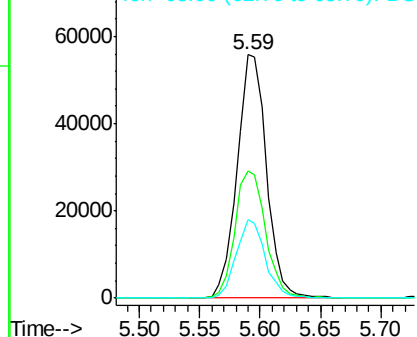
#5

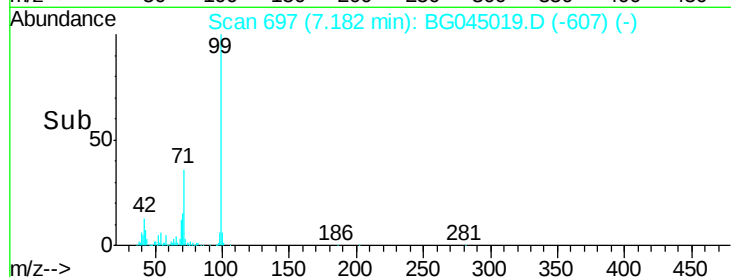
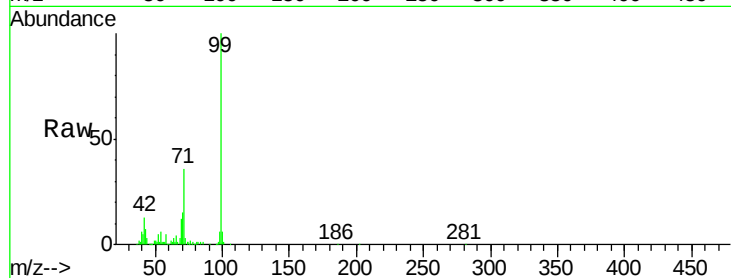
2-Fluorophenol
Concen: 21.216 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

Tgt Ion:112 Resp: 95074
Ion Ratio Lower Upper
112 100
64 52.5 42.4 63.6
63 32.4 23.1 34.7



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





#7

Phenol-d6

Concen: 22.973 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

Instrument :

BNA_G

ClientSampleId :

TP-35-36-43-44

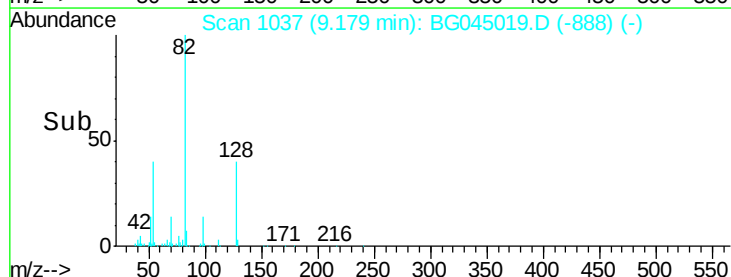
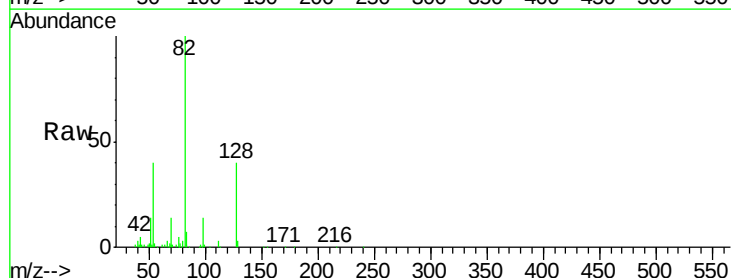
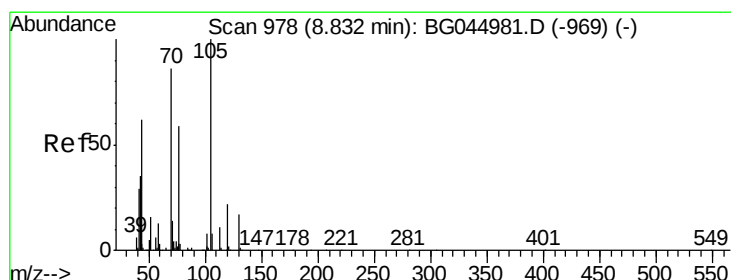
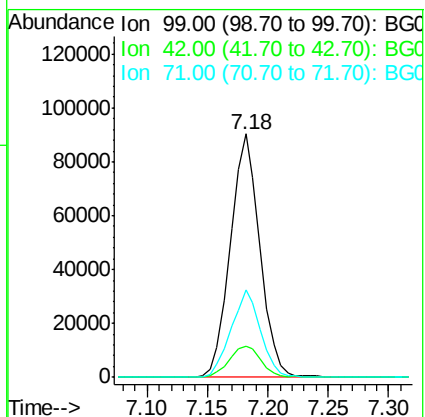
Tot Ion: 99 Resp: 152958

Ion Ratio Lower Upper

99 100

42 12.6 11.3 16.9

71 35.9 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 2.958 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

Tgt Ion: 70 Resp: 13926

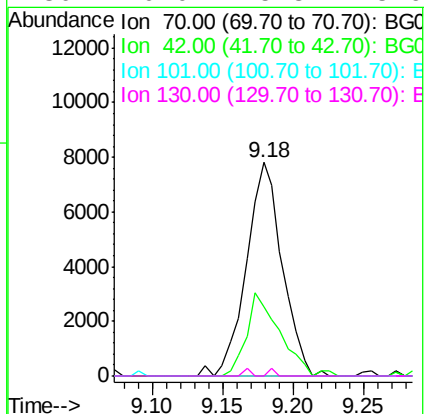
Ion Ratio Lower Upper

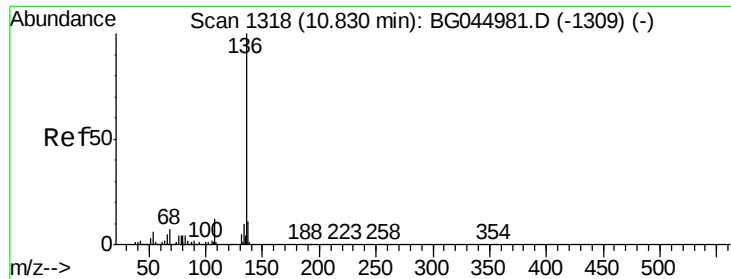
70 100

42 32.3 33.3 49.9#

101 0.0 7.8 11.8#

130 0.0 15.8 23.6#

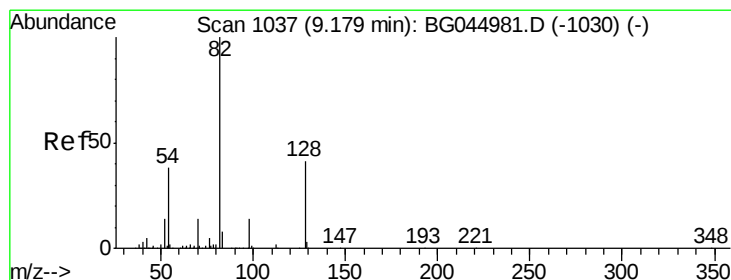
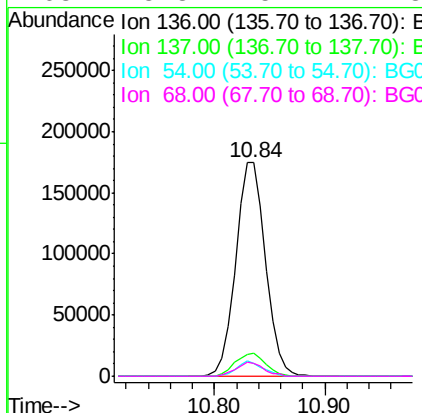
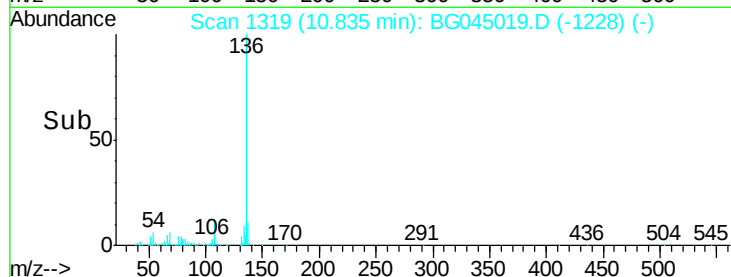
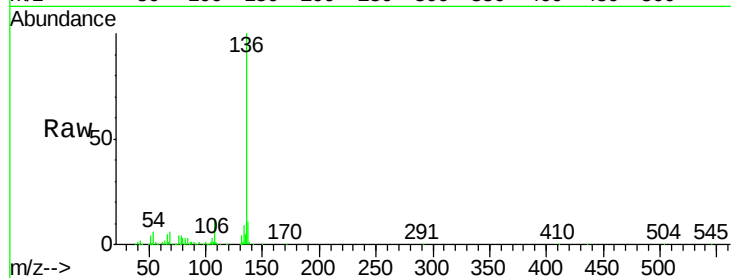




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

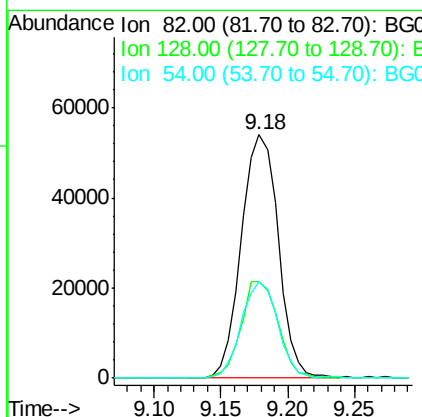
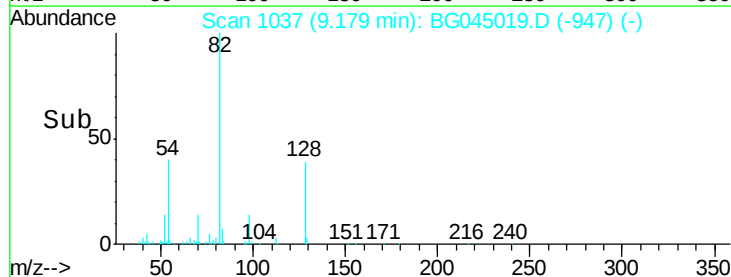
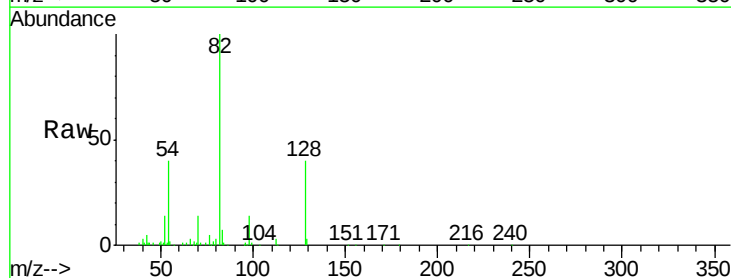
Instrument :
BNA_G
ClientSampleId :
TP-35-36-43-44

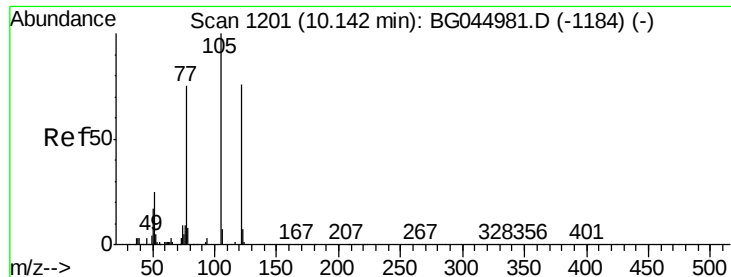
Tot Ion:136	Resp:	330347
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.6	13.0
54 6.2	4.8	7.2
68 5.8	5.2	7.8



#23
Nitrobenzene-d5
Concen: 14.302 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

Tgt Ion: 82	Resp: 103547
Ion Ratio	Lower Upper
82 100	
128 39.8	33.0 49.4
54 39.8	30.4 45.6

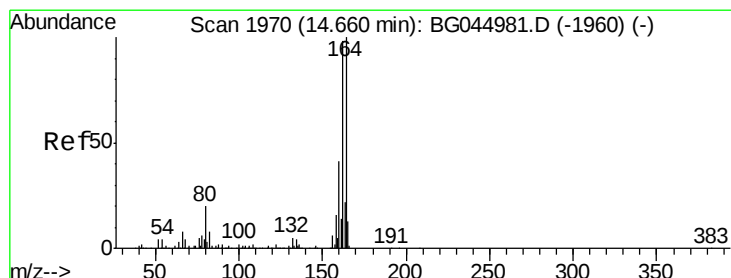
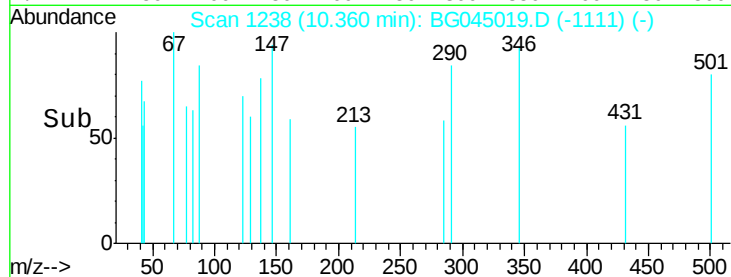
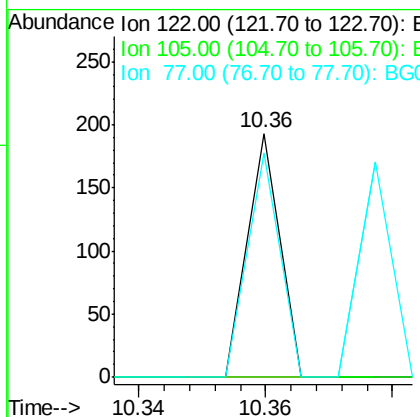
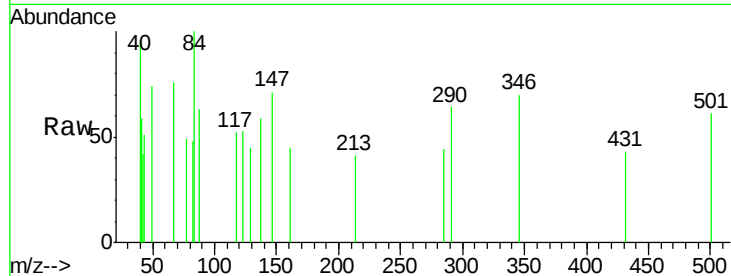




#32
Benzoic acid
Concen: 6.388 ng
RT: 10.36 min Scan# 1238
Delta R.T. 0.22 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

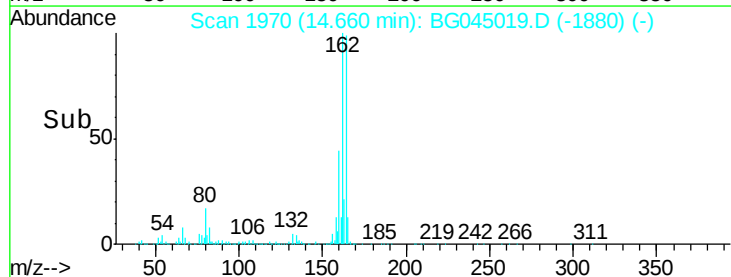
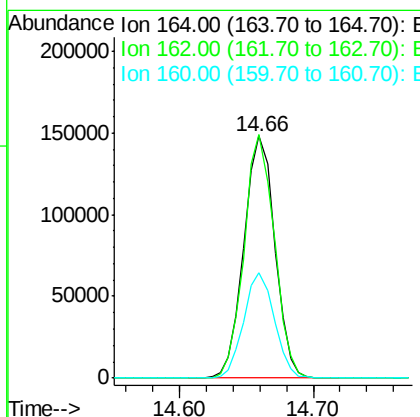
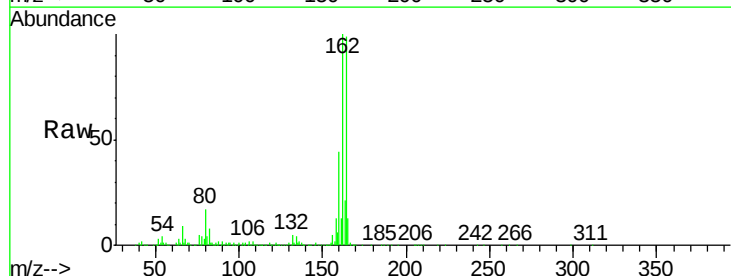
Instrument :
BNA_G
ClientSampleId :
TP-35-36-43-44

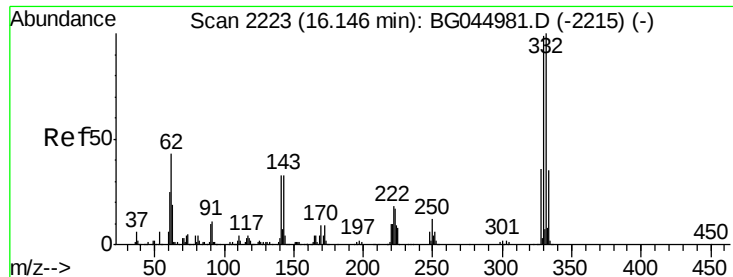
Tot Ion:122 Resp: 68
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 92.2 78.8 118.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

Tgt Ion:164 Resp: 236754
Ion Ratio Lower Upper
164 100
162 100.7 78.7 118.1
160 43.8 32.8 49.2

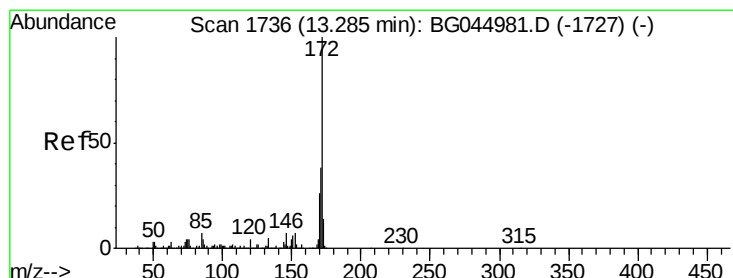
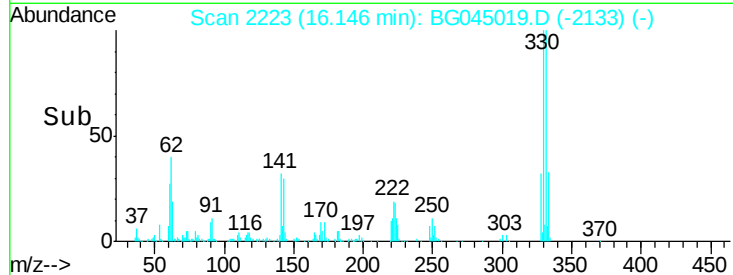
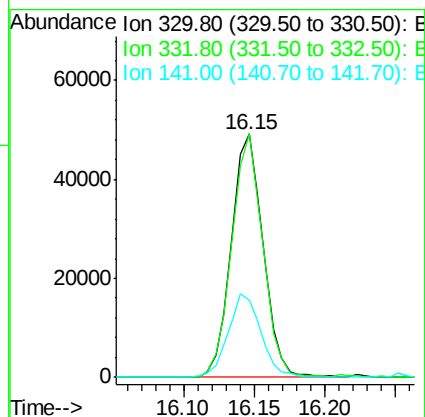
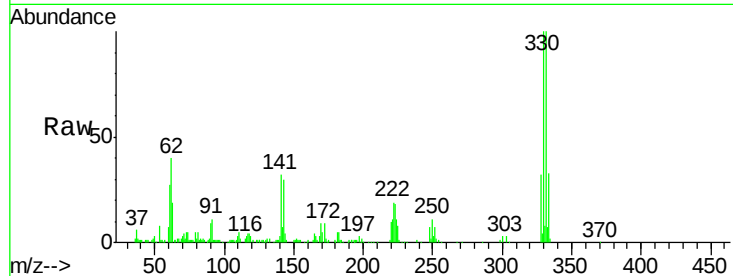




#42
 2,4,6-Tribromophenol
 Concen: 21.087 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BG045019.D
 Acq: 16 Apr 2020 23:29

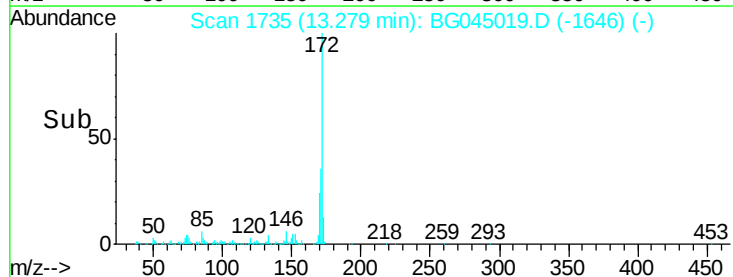
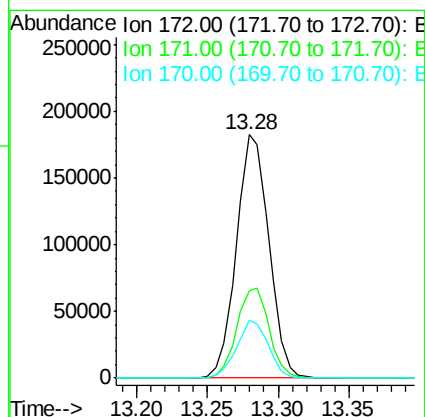
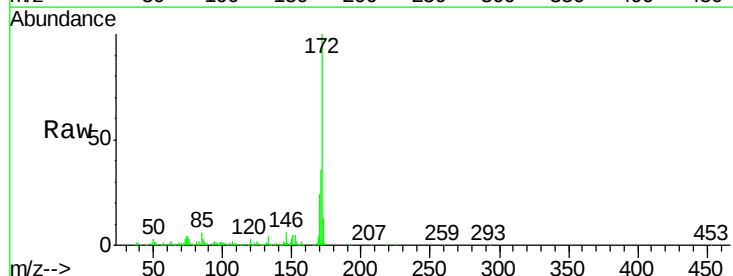
Instrument :
 BNA_G
 ClientSampleId :
 TP-35-36-43-44

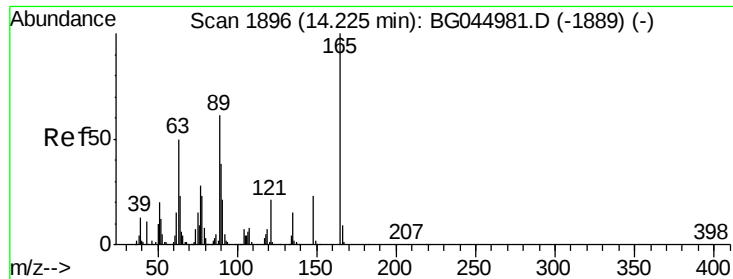
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	79.1	118.7
141	35.4	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 18.136 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG045019.D
 Acq: 16 Apr 2020 23:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.6	46.0
170	23.7	20.5	30.7





#51

2,6-Dinitrotoluene

Concen: 7.604 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

Instrument :

BNA_G

ClientSampleId :

TP-35-36-43-44

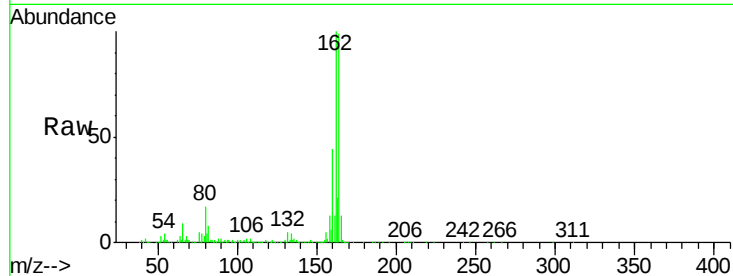
Tot Ion:165 Resp: 32786

Ion Ratio Lower Upper

165 100

63 2.1 40.4 60.6#

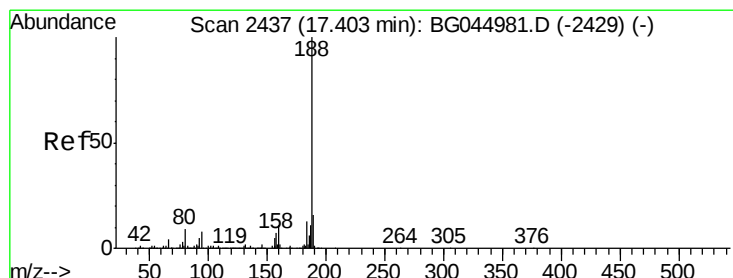
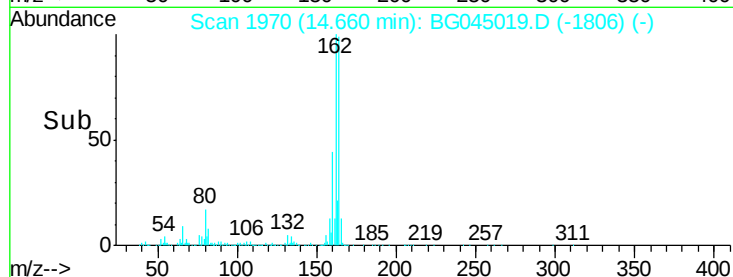
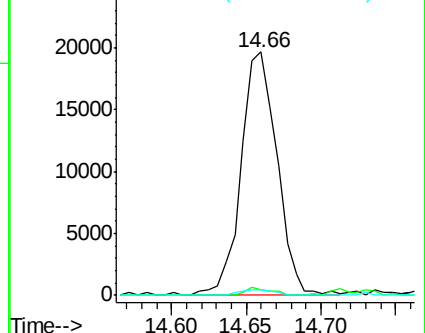
89 2.4 49.1 73.7#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

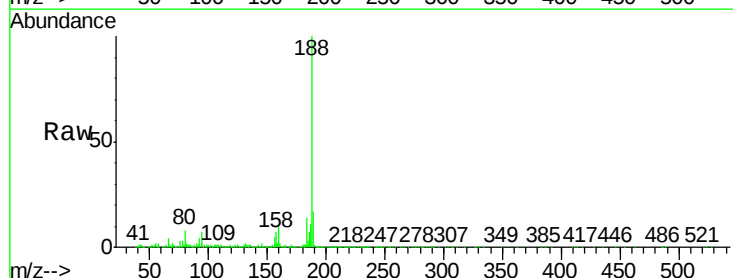
Tgt Ion:188 Resp: 441146

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

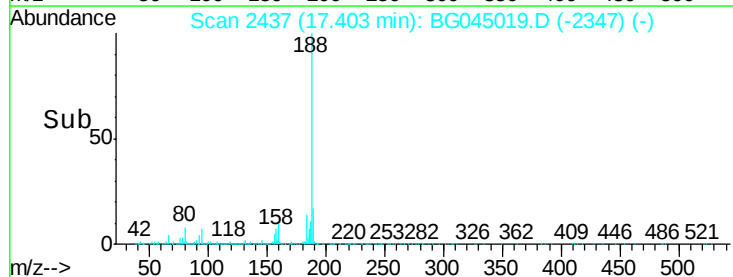
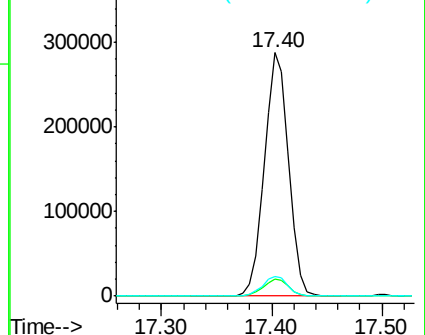
80 7.9 7.0 10.6

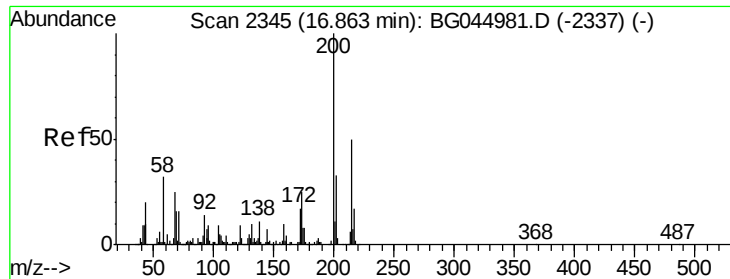


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#69

Atrazine

Concen: Below Cal

RT: 16.86 min Scan# 2344

Delta R.T. -0.01 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

Instrument :

BNA_G

ClientSampleId :

TP-35-36-43-44

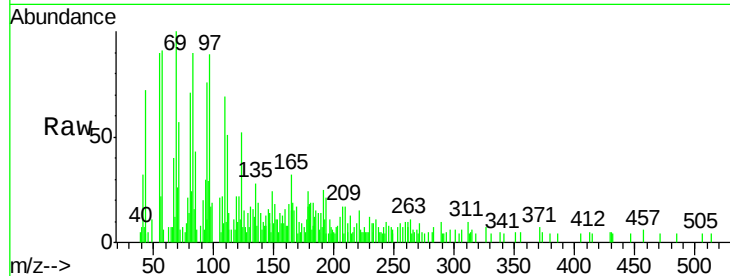
Tot Ion:200 Resp: 199

Ion Ratio Lower Upper

200 100

173 186.5 4.5 44.5#

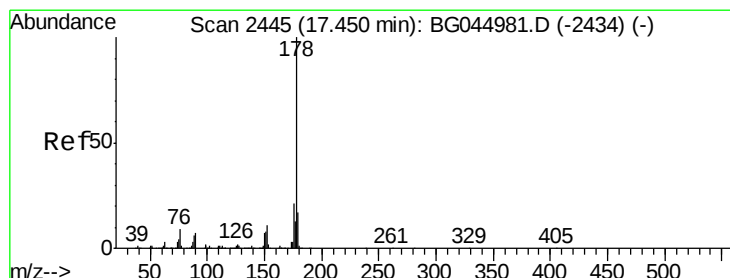
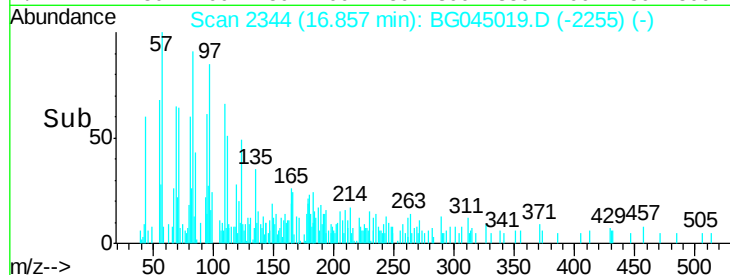
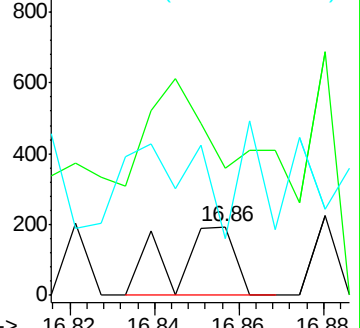
215 82.9 30.0 70.0#



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: 6.906 ng

RT: 17.44 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

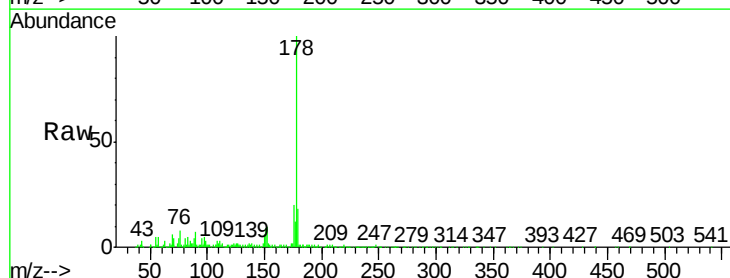
Tgt Ion:178 Resp: 156557

Ion Ratio Lower Upper

178 100

176 19.8 16.8 25.2

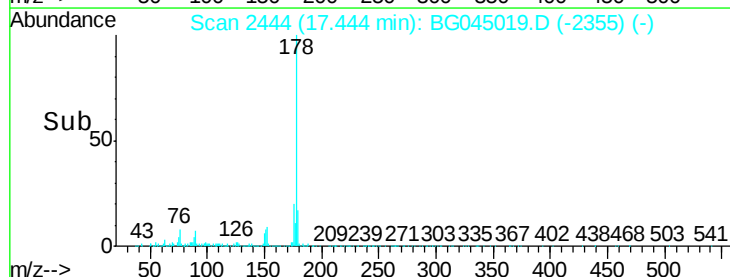
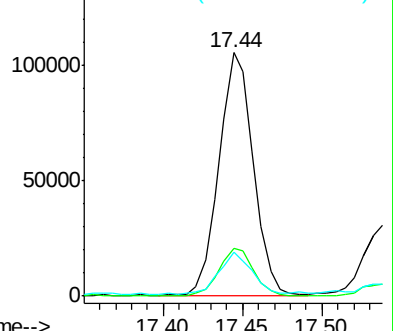
179 17.9 13.2 19.8

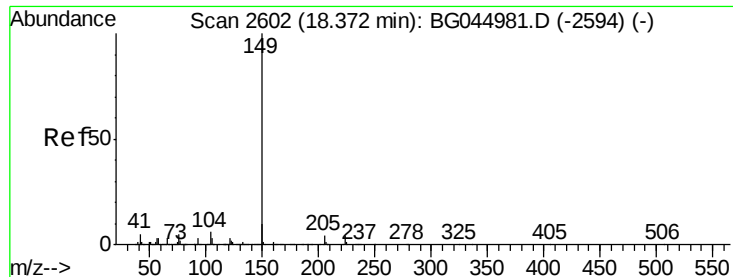


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

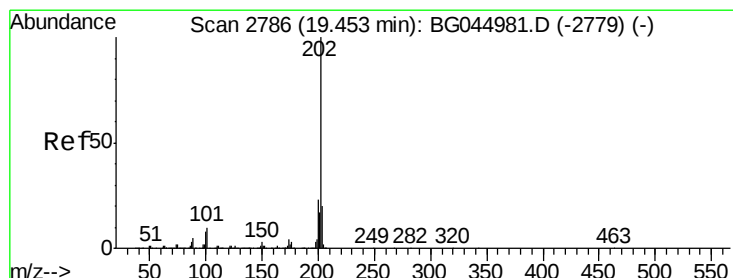
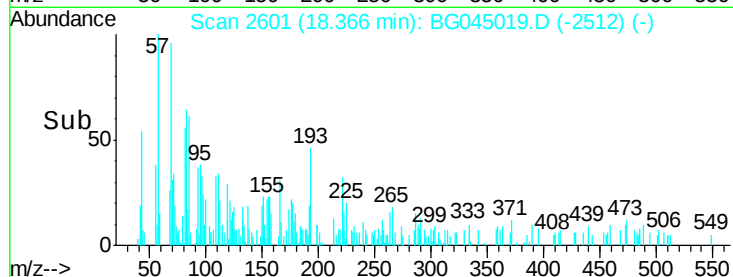
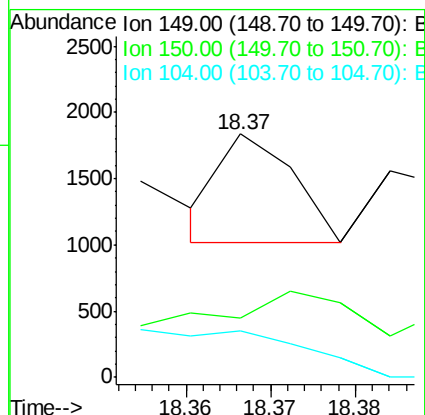
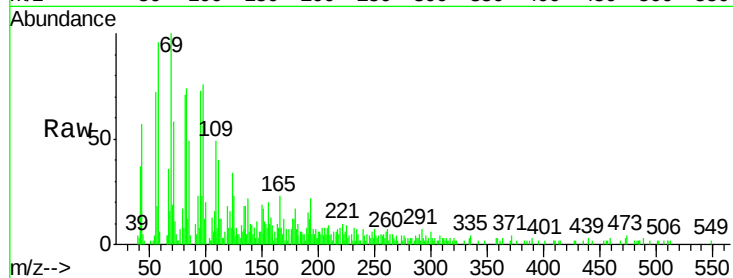




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.37 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

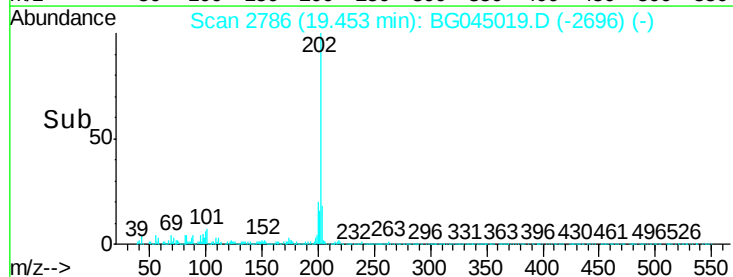
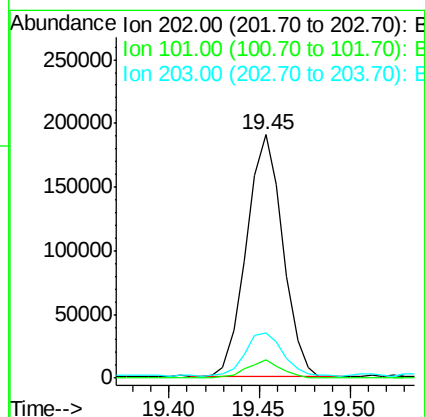
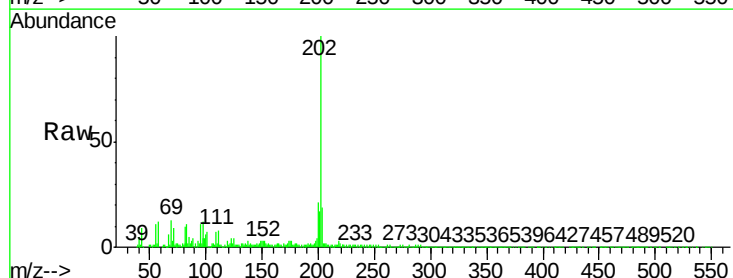
Instrument :
BNA_G
ClientSampleId :
TP-35-36-43-44

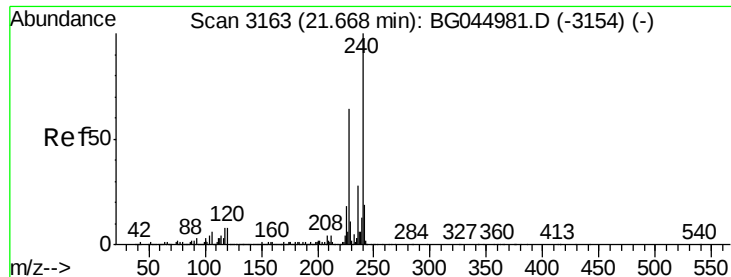
Tot Ion:149 Resp: 490
Ion Ratio Lower Upper
149 100
150 24.2 8.2 12.2#
104 19.3 4.8 7.2#



#75
Fluoranthene
Concen: 4.321 ng
RT: 19.45 min Scan# 2786
Delta R.T. 0.00 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

Tgt Ion:202 Resp: 263754
Ion Ratio Lower Upper
202 100
101 7.4 0.0 29.6
203 18.6 0.0 39.7

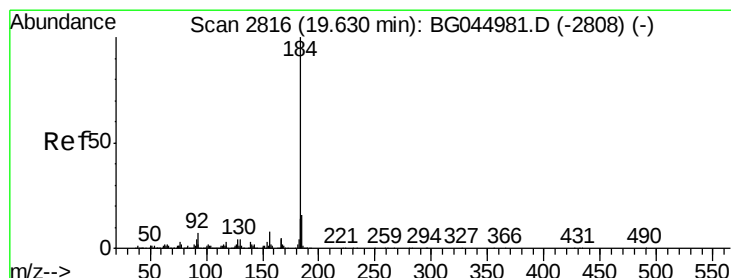
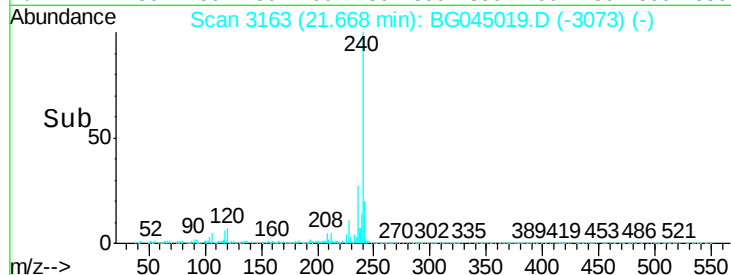
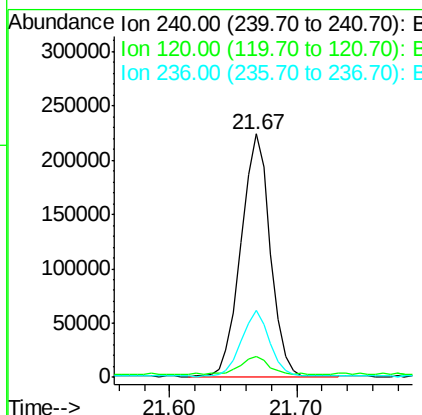
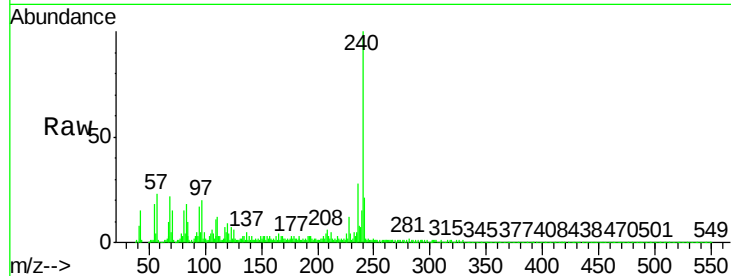




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.00 min
 Lab File: BG045019.D
 Acq: 16 Apr 2020 23:29

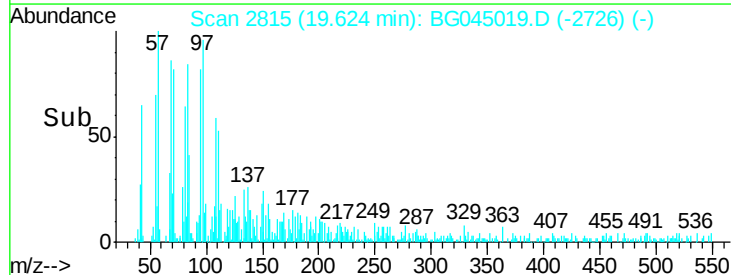
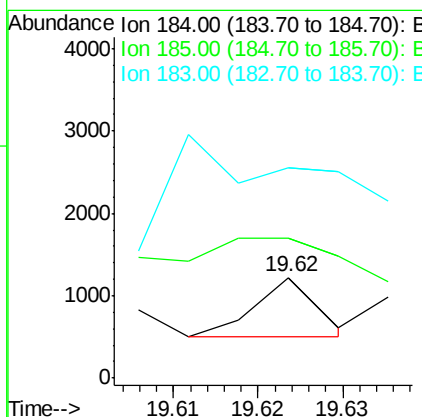
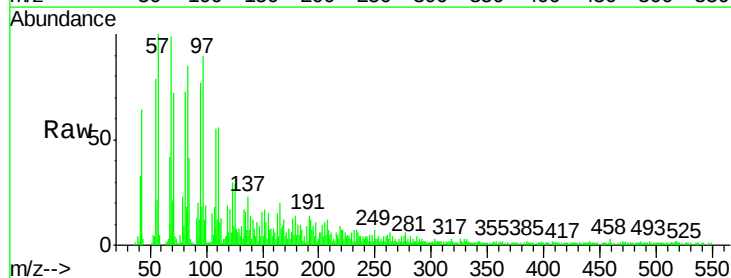
Instrument :
 BNA_G
 ClientSampleId :
 TP-35-36-43-44

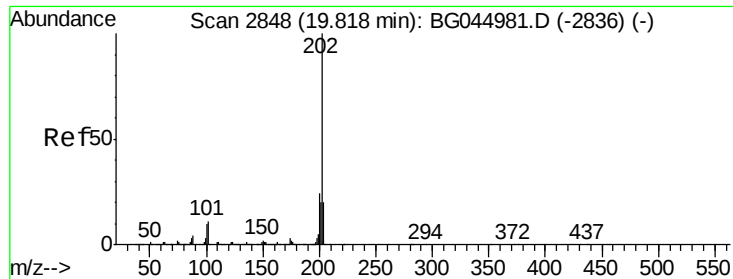
Tot Ion:240 Resp: 357126
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.6 10.0
 236 27.6 22.2 33.2



#77
 Benzidine
 Concen: Below Cal
 RT: 19.62 min Scan# 2815
 Delta R.T. -0.01 min
 Lab File: BG045019.D
 Acq: 16 Apr 2020 23:29

Tgt Ion:184 Resp: 365
 Ion Ratio Lower Upper
 184 100
 185 139.2 12.6 19.0#
 183 209.5 11.3 16.9#





#78

Pvrene

Concen: 10.377 ng

RT: 19.81 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

Instrument :

BNA_G

ClientSampleId :

TP-35-36-43-44

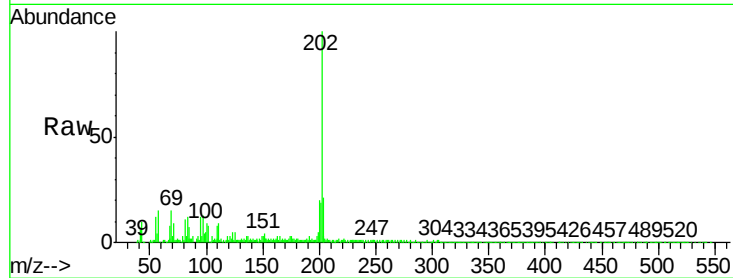
Tot Ion:202 Resp: 255478

Ion Ratio Lower Upper

202 100

200 19.6 19.0 28.6

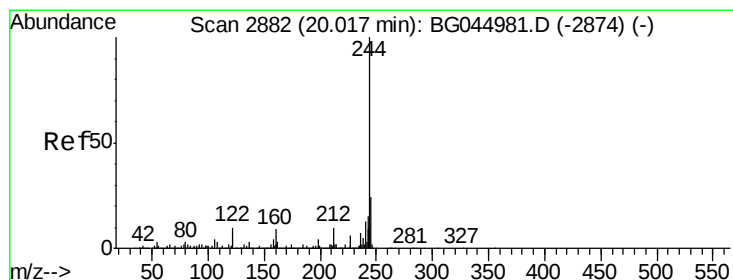
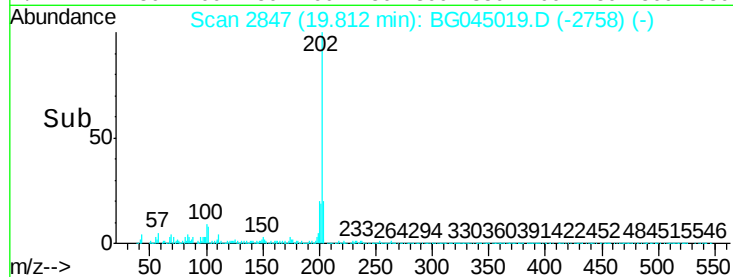
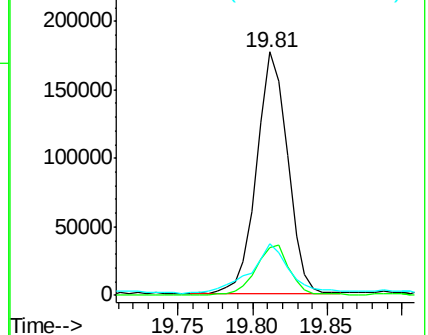
203 21.4 16.1 24.1



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: 19.708 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

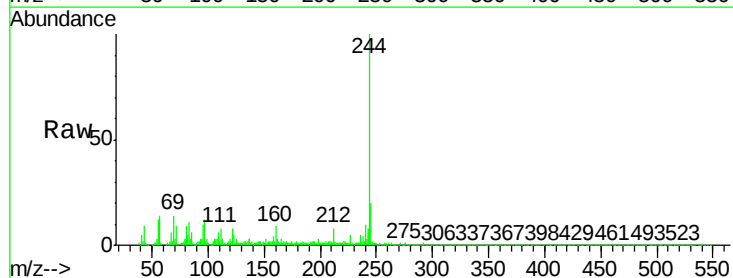
Tgt Ion:244 Resp: 322912

Ion Ratio Lower Upper

244 100

212 7.9 7.9 11.9#

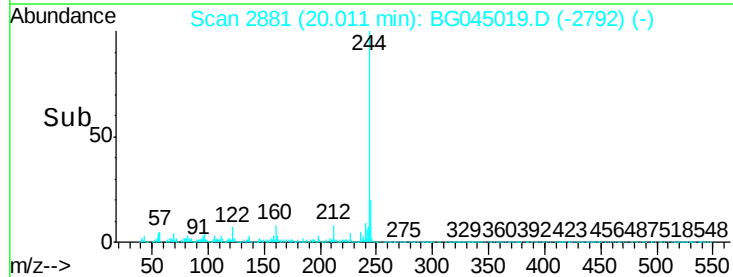
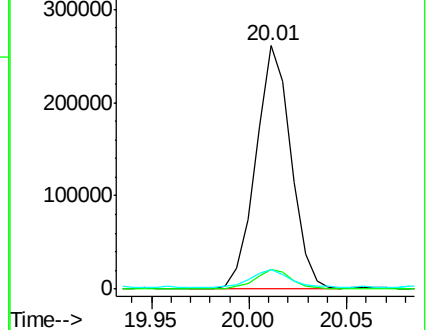
122 7.9 7.7 11.5

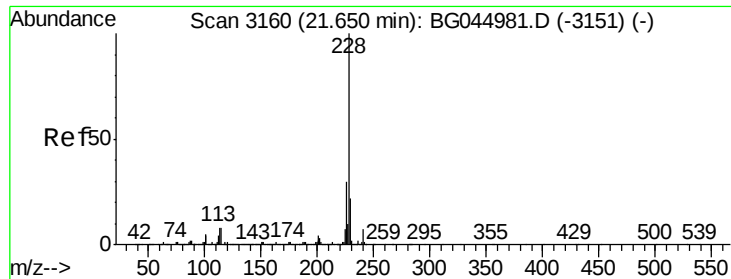


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.467 ng

RT: 21.64 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

Instrument :

BNA_G

ClientSampleId :

TP-35-36-43-44

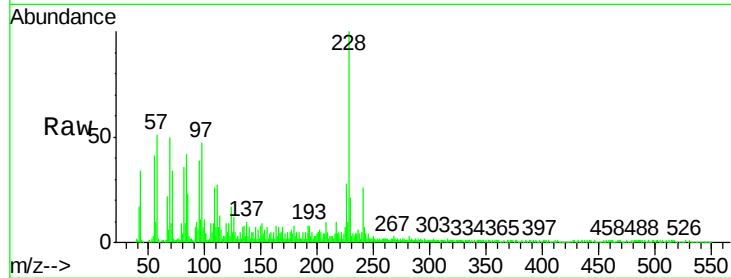
Tot Ion:228 Resp: 172836

Ion Ratio Lower Upper

228 100

226 27.7 24.0 36.0

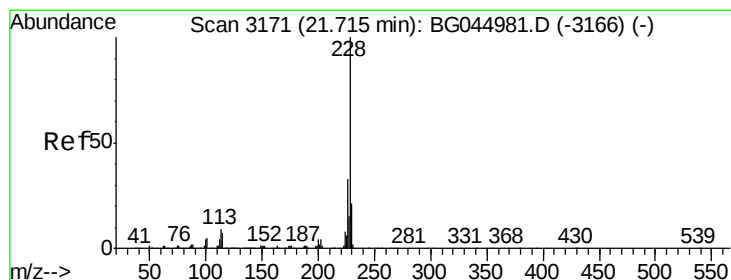
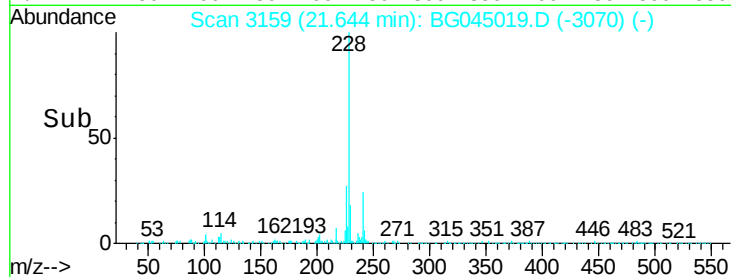
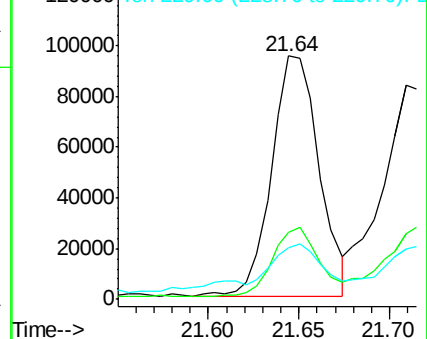
229 20.9 17.5 26.3



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: 7.161 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

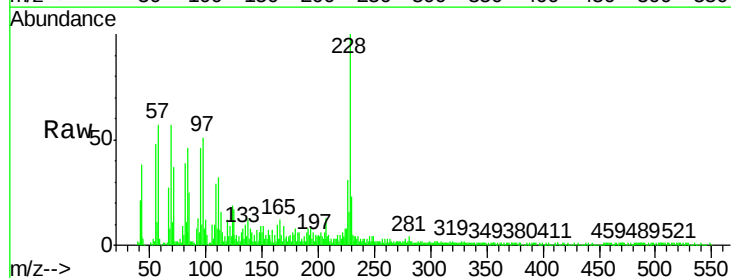
Tgt Ion:228 Resp: 159258

Ion Ratio Lower Upper

228 100

226 30.9 26.2 39.4

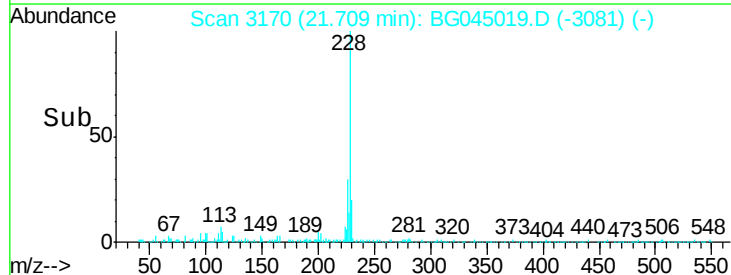
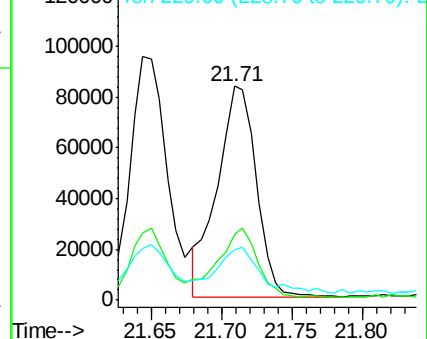
229 23.4 17.0 25.6

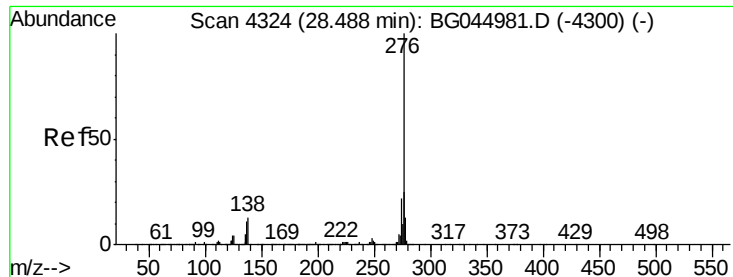


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

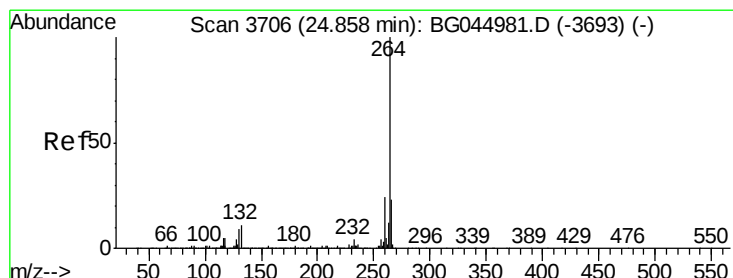
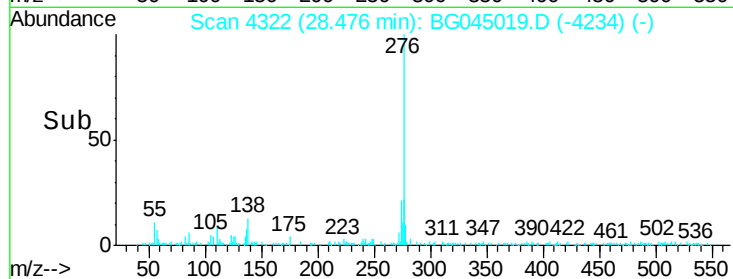
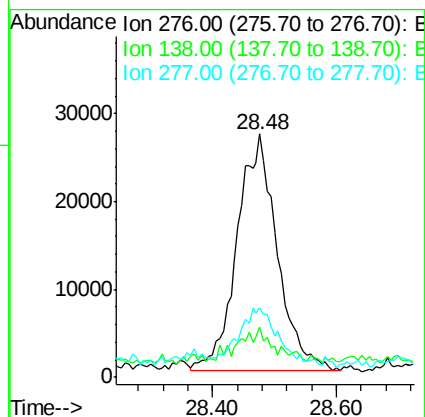
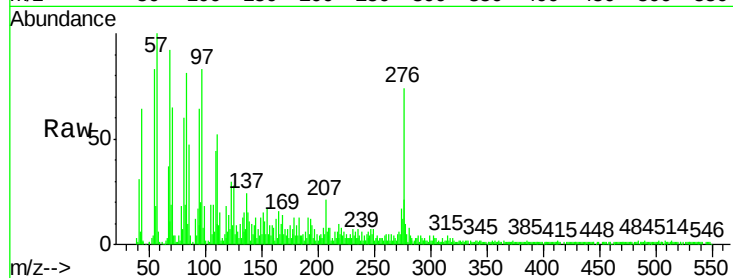




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.076 ng
RT: 28.48 min Scan# 4322
Delta R.T. -0.01 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

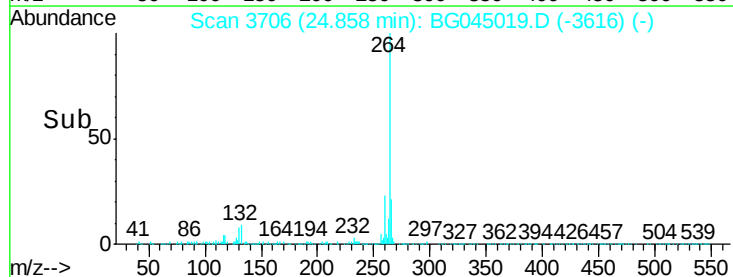
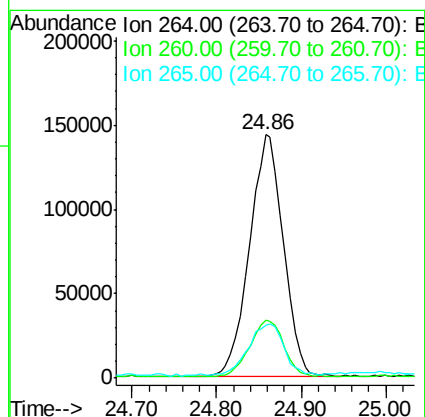
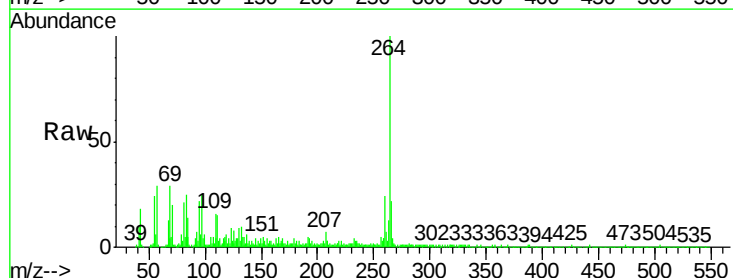
Instrument :
BNA_G
ClientSampleId :
TP-35-36-43-44

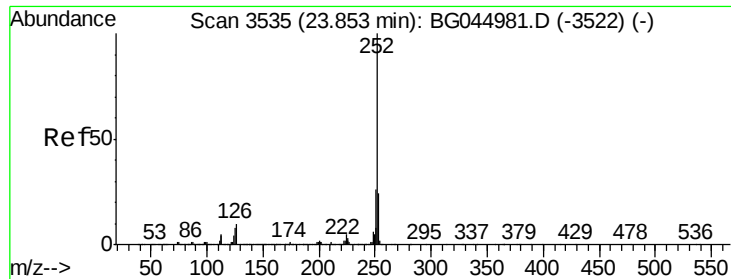
Tot Ion:276 Resp: 120352
Ion Ratio Lower Upper
276 100
138 3.1 9.6 14.4#
277 24.4 20.6 31.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3706
Delta R.T. -0.00 min
Lab File: BG045019.D
Acq: 16 Apr 2020 23:29

Tgt Ion:264 Resp: 401159
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.6 19.0 28.4





#88

Benzo(b)fluoranthene

Concen: 9.679 ng

RT: 23.85 min Scan# 3535

Delta R.T. -0.00 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

Instrument :

BNA_G

ClientSampleId :

TP-35-36-43-44

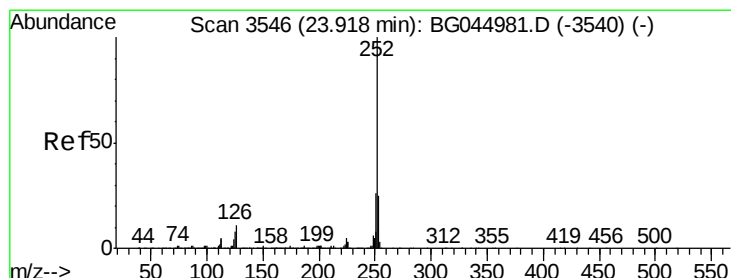
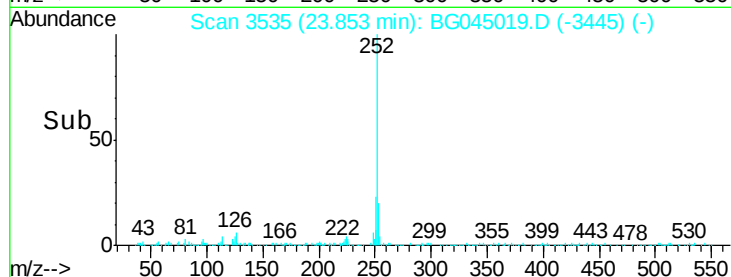
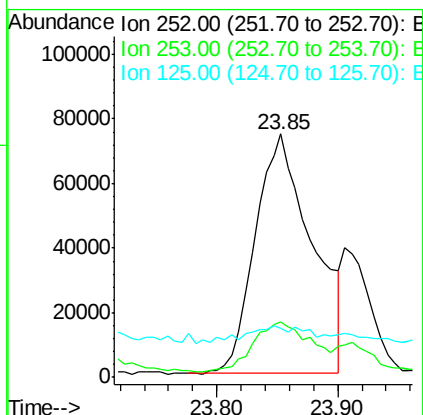
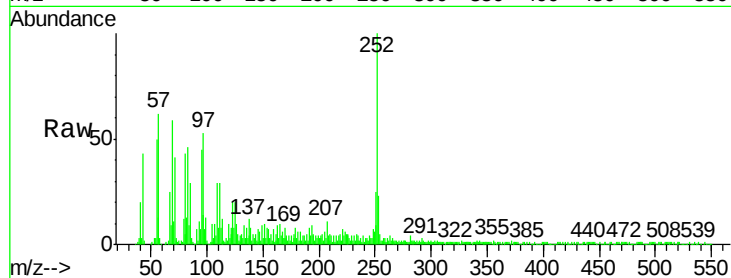
Tot Ion:252 Resp: 243208

Ion Ratio Lower Upper

252 100

253 22.8 18.8 28.2

125 20.1 6.2 9.4#



#89

Benzo(k)fluoranthene

Concen: 10.177 ng

RT: 23.85 min Scan# 3535

Delta R.T. -0.06 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

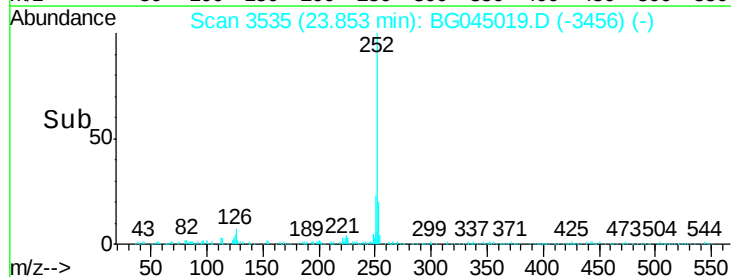
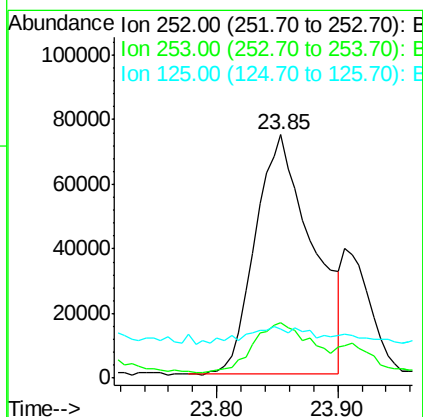
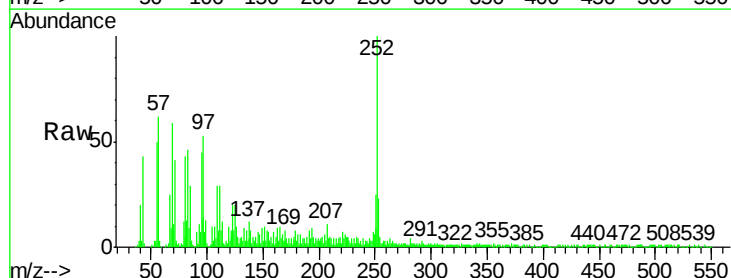
Tgt Ion:252 Resp: 243208

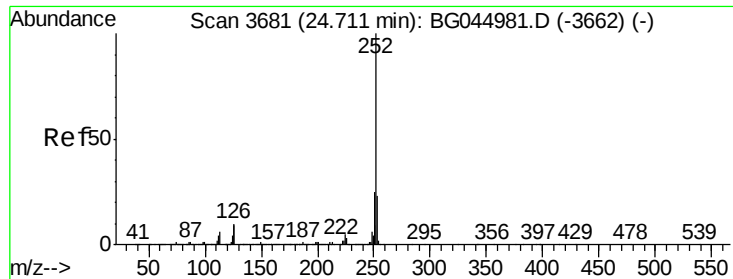
Ion Ratio Lower Upper

252 100

253 22.8 19.2 28.8

125 20.1 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 7.316 ng

RT: 24.70 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

Instrument :

BNA_G

ClientSampleId :

TP-35-36-43-44

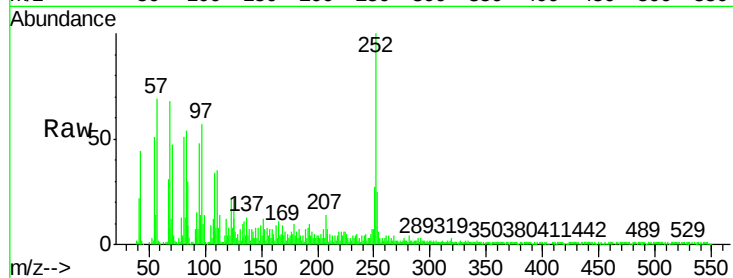
Tot Ion:252 Resp: 173564

Ion Ratio Lower Upper

252 100

253 25.1 18.3 27.5

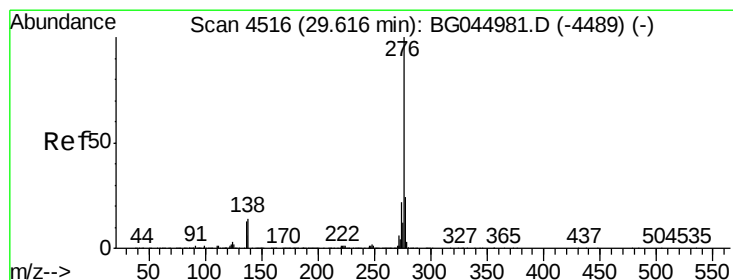
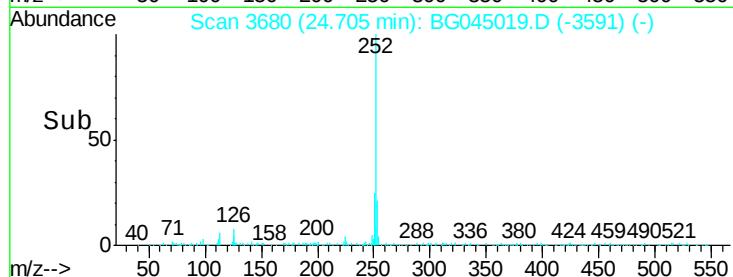
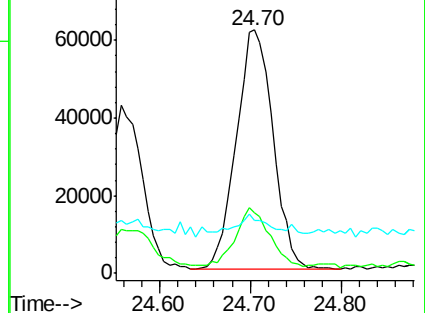
125 21.9 7.0 10.6#



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



#92

Benzo(g,h,i)perylene

Concen: 4.369 ng

RT: 29.60 min Scan# 4513

Delta R.T. -0.02 min

Lab File: BG045019.D

Acq: 16 Apr 2020 23:29

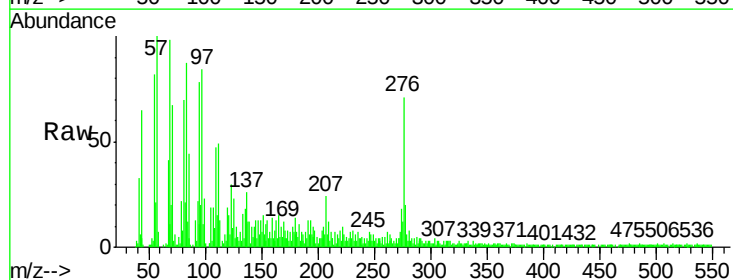
Tgt Ion:276 Resp: 104709

Ion Ratio Lower Upper

276 100

277 28.3 19.3 28.9

138 16.8 11.4 17.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

