

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
 Data File : BG041051.D
 Acq On : 4 Jun 2019 1:45
 Operator : HP/JU
 Sample : K2041-17 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-053119-C

Quant Time: Jun 04 08:08:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	75268	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	294305	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	181814	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	390639	20.00	ng	0.00
76) Chrysene-d12	21.79	240	402125	20.00	ng	0.00
87) Perylene-d12	25.13	264	275882	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	147471	35.33	ng	0.00
7) Phenol-d6	7.27	99	214341	33.25	ng	0.00
23) Nitrobenzene-d5	9.30	82	152255	22.97	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	90690	33.60	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	311975	24.71	ng	0.00
79) Terphenyl-d14	20.10	244	431640	22.78	ng	0.00

Target Compounds

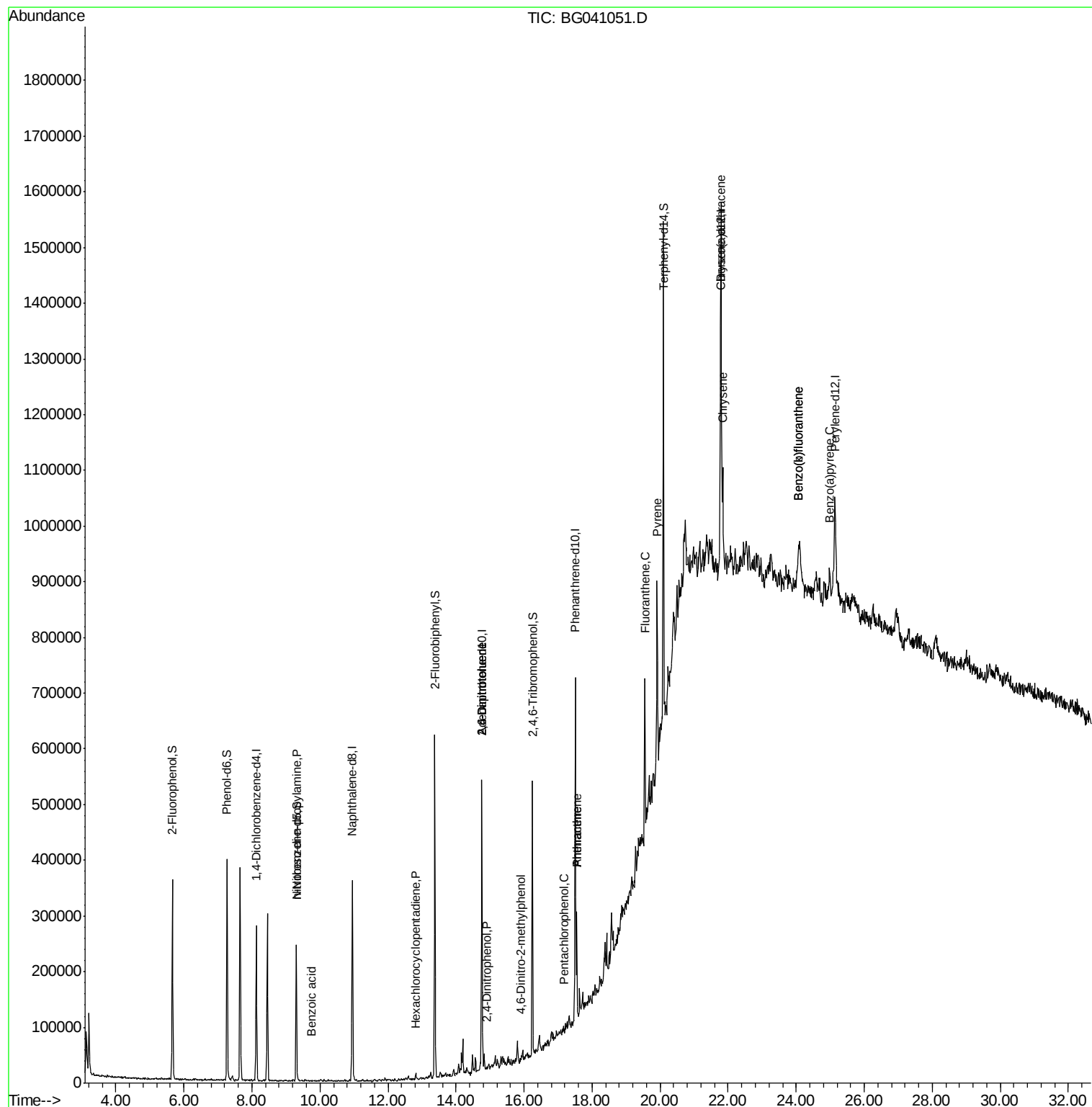
						Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	21768	4.388	ng	# 71
32) Benzoic acid	9.76	122	55	8.143	ng	# 1
41) Hexachlorocyclopentadiene	12.81	237	56	8.248	ng	# 26
51) 2,6-Dinitrotoluene	14.76	165	24309	7.326	ng	# 20
54) 2,4-Dinitrophenol	14.90	184	53	8.289	ng	# 18
57) 2,4-Dinitrotoluene	14.76	165	24309	5.186	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.90	198	56	8.612	ng	# 1
70) Pentachlorophenol	17.17	266	313	4.354	ng	87
71) Phenanthrene	17.54	178	123330	6.061	ng	98
72) Anthracene	17.54	178	123330	6.145	ng	98
75) Fluoranthene	19.55	202	192960	7.678	ng	98
78) Pyrene	19.91	202	214877	8.220	ng	99
81) Benzo(a)anthracene	21.77	228	131289	4.905	ng	# 94
83) Chrysene	21.84	228	130148	5.081	ng	# 95
88) Benzo(b)fluoranthene	24.07	252	97039	5.799	ng	# 70
89) Benzo(k)fluoranthene	24.07	252	97039	5.860	ng	# 68
90) Benzo(a)pyrene	24.98	252	69491	4.353	ng	# 77

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
Data File : BG041051.D
Acq On : 4 Jun 2019 1:45
Operator : HP/JU
Sample : K2041-17 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

Quant Time: Jun 04 08:08:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.13 min Scan# 858

Delta R.T. -0.00 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C

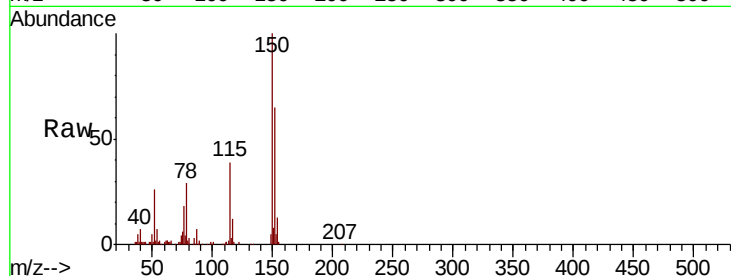
Tgt Ion:152 Resp: 75268

Ion Ratio Lower Upper

152 100

150 153.4 120.6 180.8

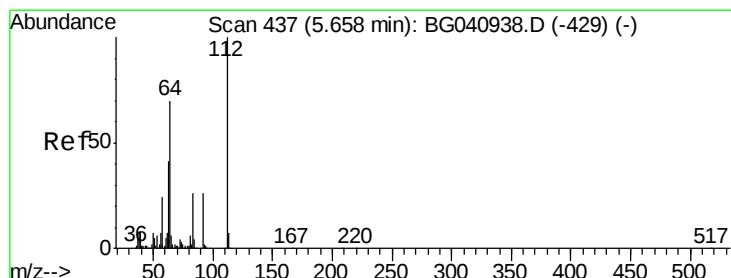
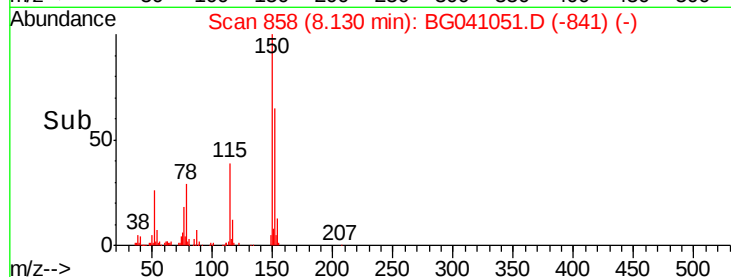
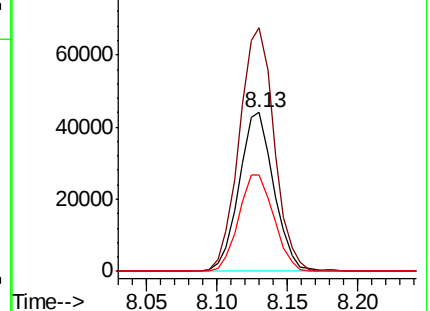
115 60.5 45.1 67.7



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: 35.330 ng

RT: 5.66 min Scan# 438

Delta R.T. 0.00 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

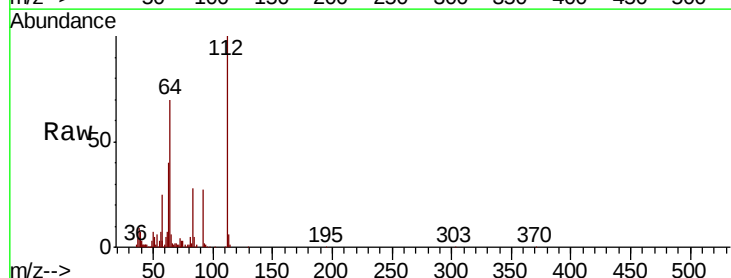
Tgt Ion:112 Resp: 147471

Ion Ratio Lower Upper

112 100

64 70.0 56.2 84.2

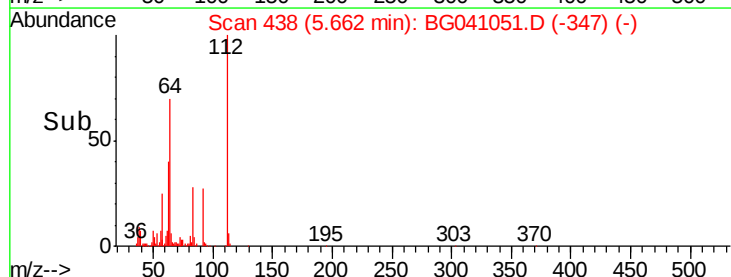
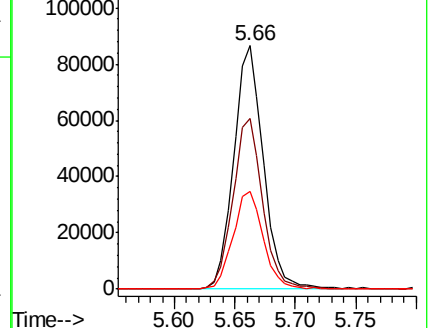
63 40.1 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 33.249 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C

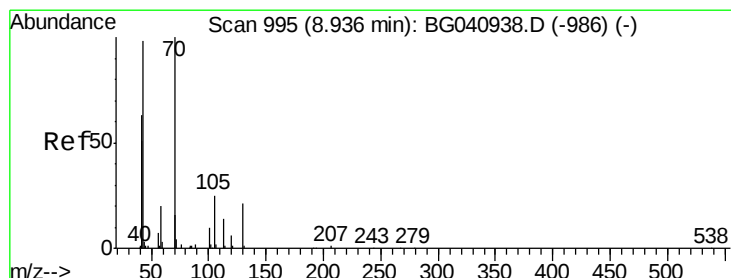
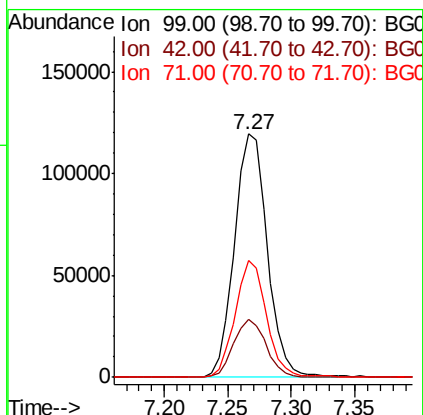
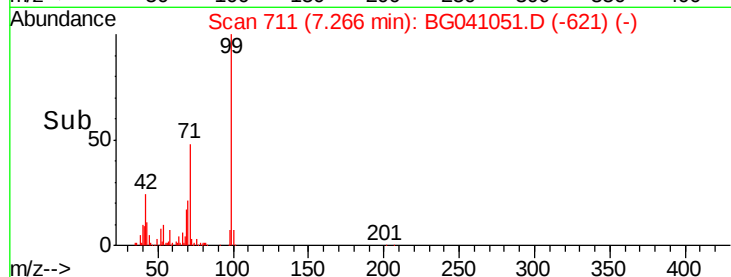
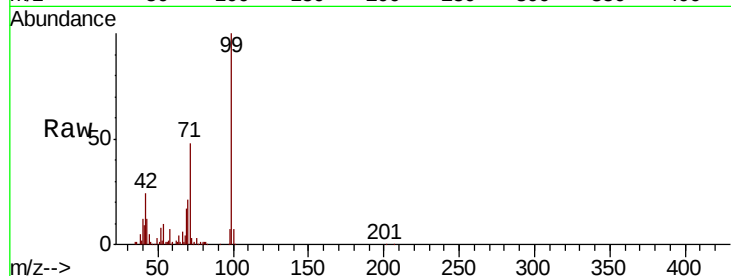
Tgt Ion: 99 Resp: 214341

Ion Ratio Lower Upper

99 100

42 24.1 17.9 26.9

71 48.0 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.388 ng

RT: 9.30 min Scan# 1058

Delta R.T. 0.37 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

Tgt Ion: 70 Resp: 21768

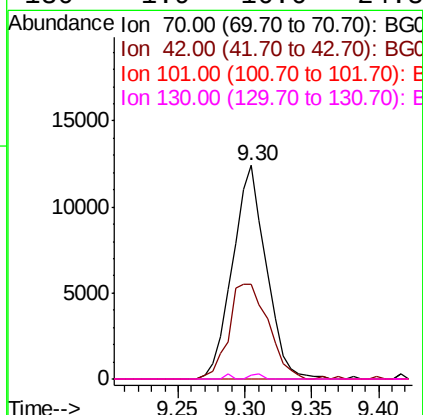
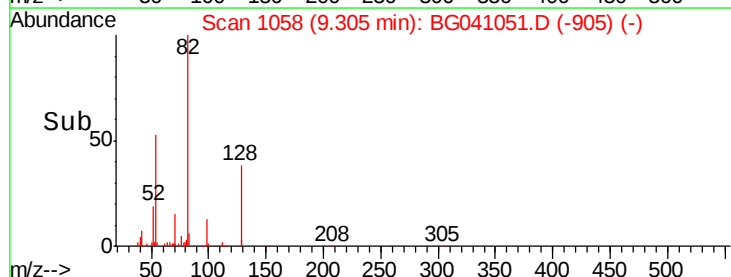
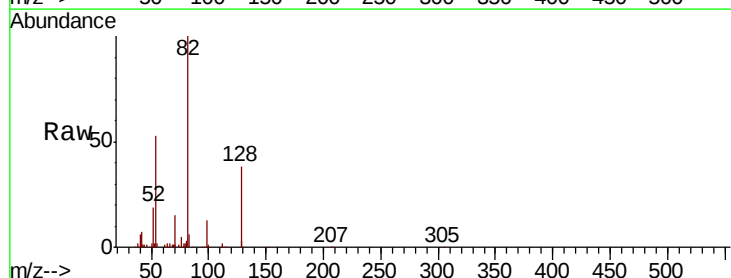
Ion Ratio Lower Upper

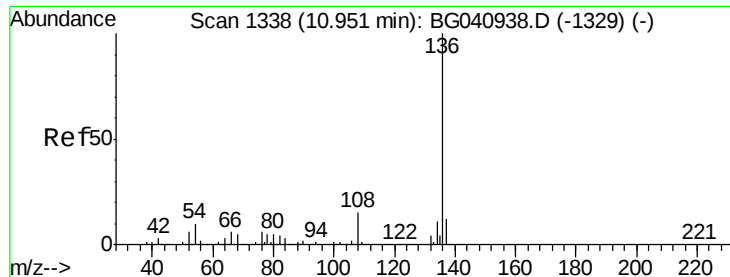
70 100

42 44.2 51.5 77.3#

101 0.0 8.1 12.1#

130 1.9 16.6 24.8#

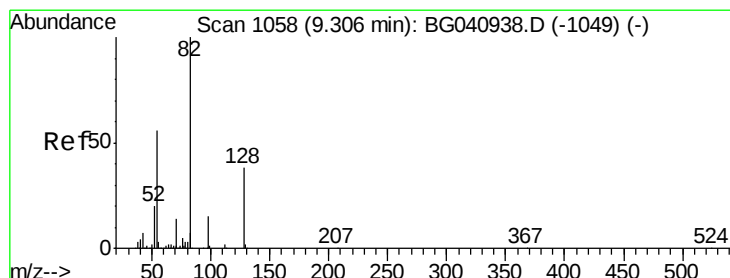
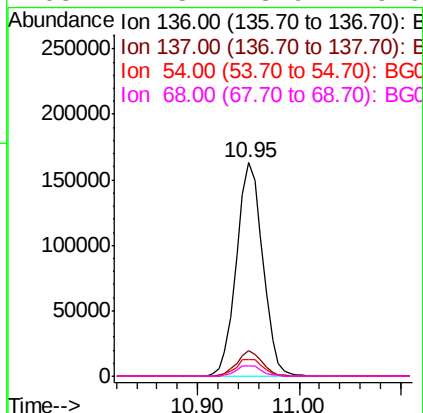
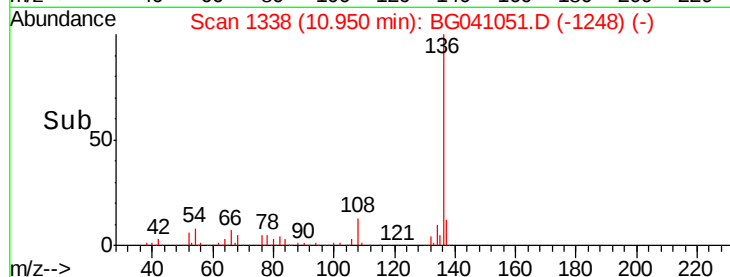
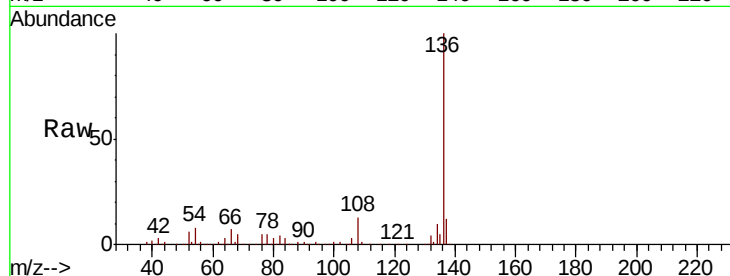




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

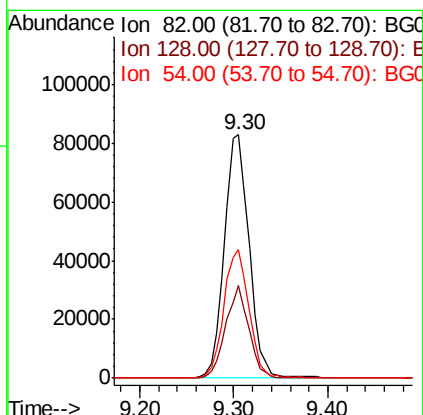
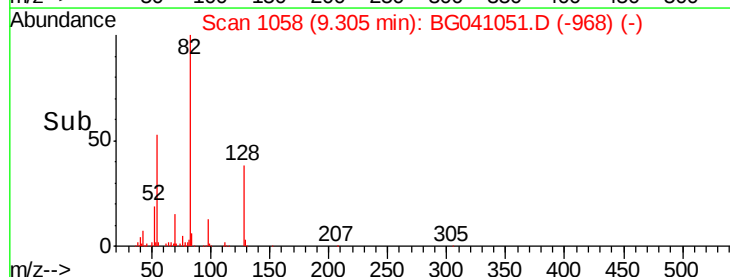
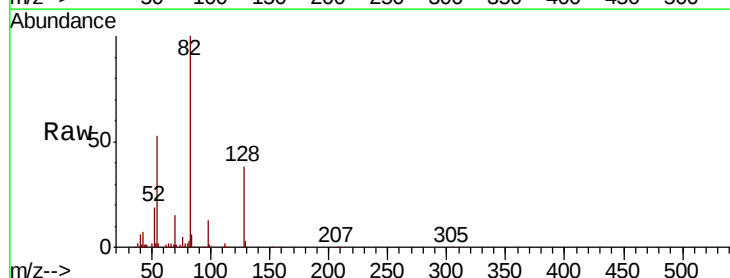
Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

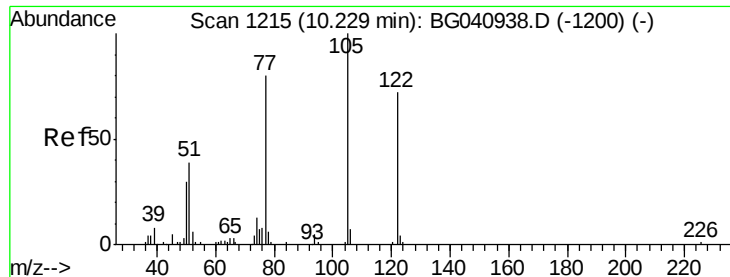
Tgt Ion:	136	Resp:	294305
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.0	7.6	11.4
68	4.8	3.9	5.9



#23
Nitrobenzene-d5
Concen: 22.966 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:	82	Resp:	152255
Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.5	45.7
54	52.5	44.6	66.8

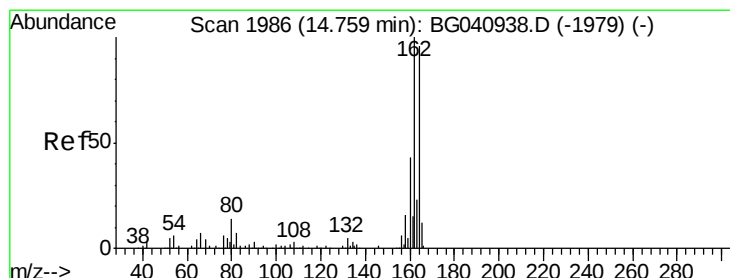
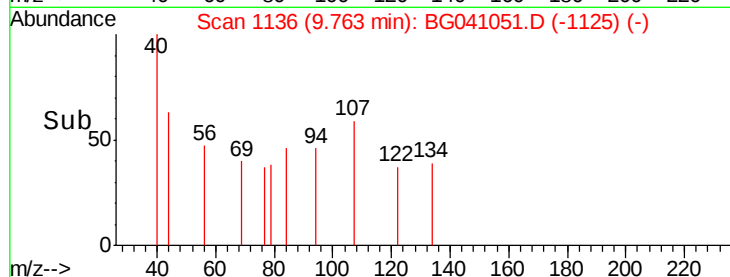
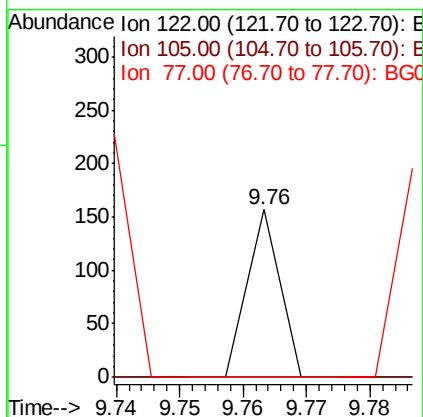
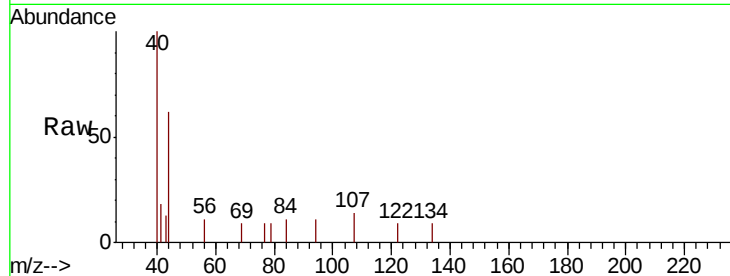




#32
Benzoic acid
Concen: 8.143 ng
RT: 9.76 min Scan# 1136
Delta R.T. -0.46 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

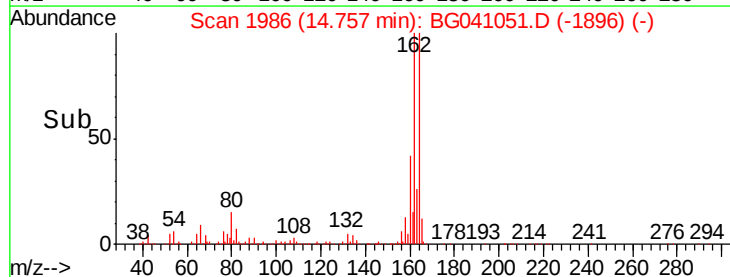
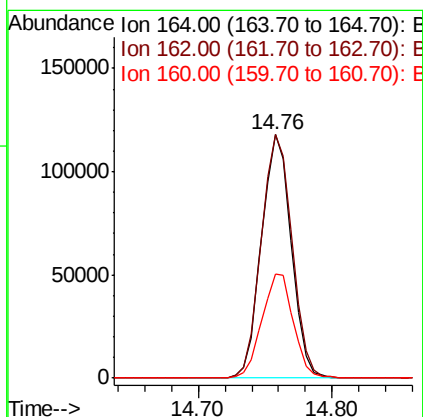
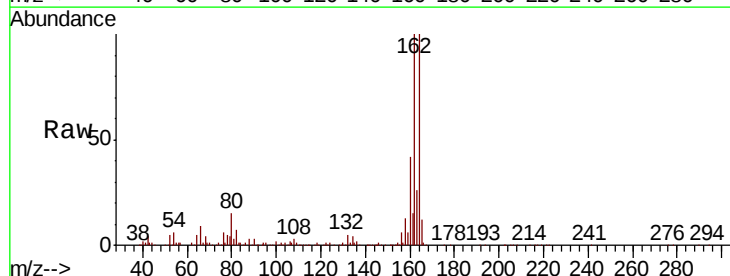
Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

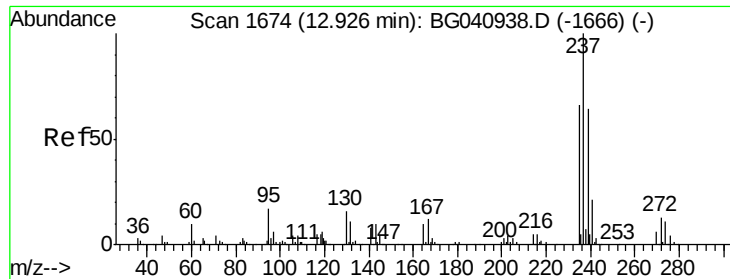
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	83.0	124.4
160	42.5	35.6	53.4





#41

Hexachlorocyclopentadiene

Concen: 8.248 ng

RT: 12.81 min Scan# 1655

Delta R.T. -0.11 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

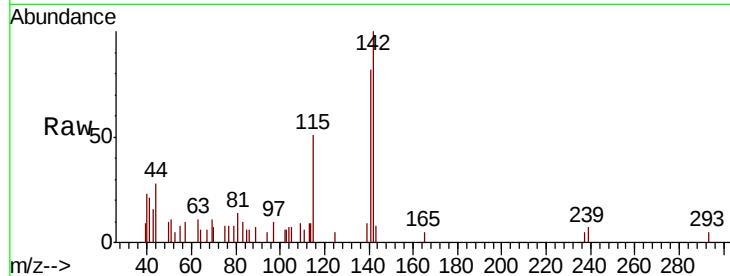
Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C

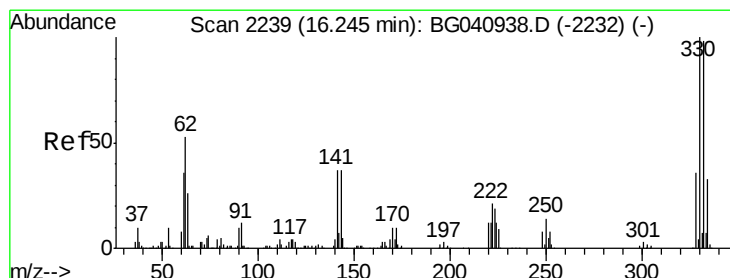
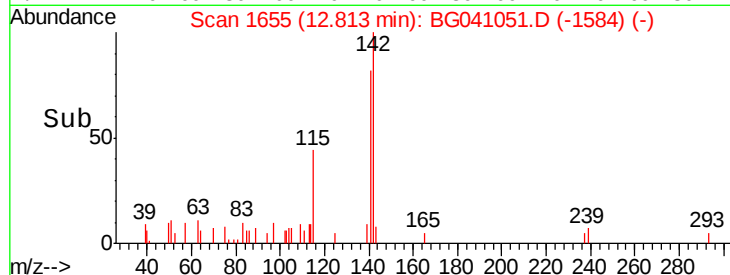
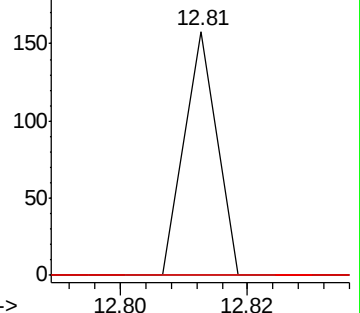
Tgt Ion:	237	Resp:	56
Ion Ratio	Lower	Upper	
237	100		
235	0.0	45.5	85.5#
272	0.0	0.0	32.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 33.599 ng

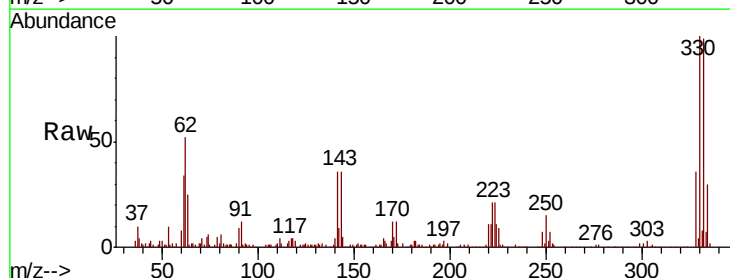
RT: 16.24 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

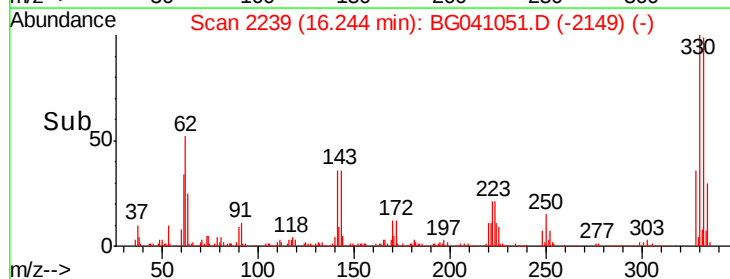
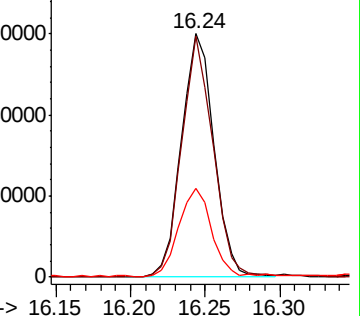
Tgt Ion:	330	Resp:	90690
Ion Ratio	Lower	Upper	
330	100		
332	95.3	78.5	117.7
141	37.7	28.7	43.1

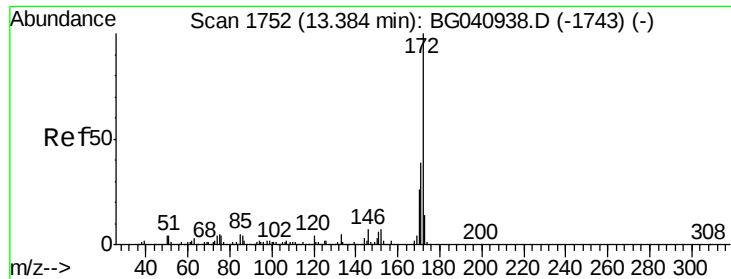


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 24.711 ng

RT: 13.38 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C

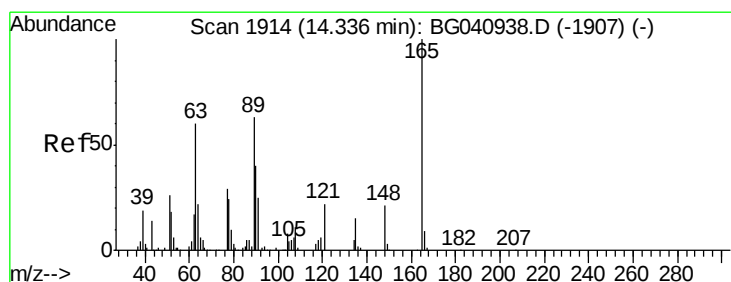
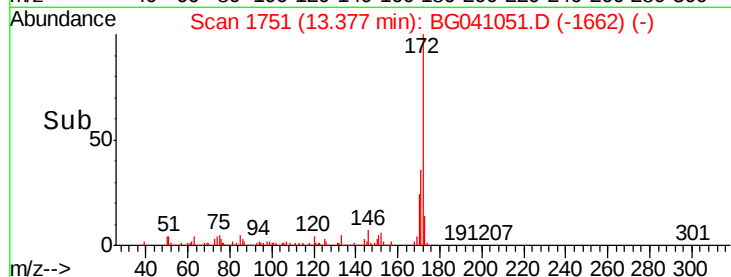
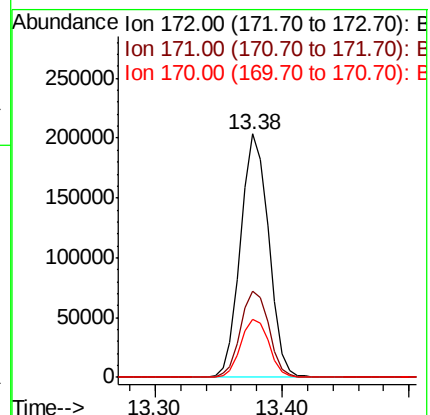
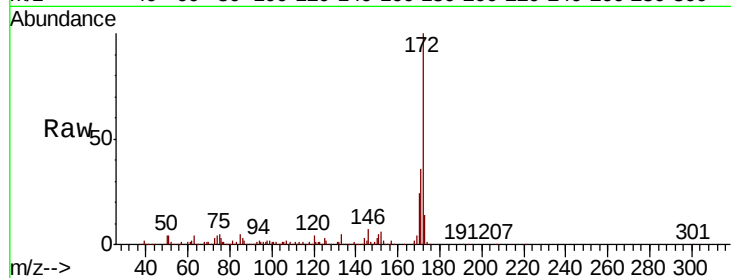
Tgt Ion:172 Resp: 311975

Ion Ratio Lower Upper

172 100

171 35.6 31.1 46.7

170 23.9 20.5 30.7



#51

2,6-Dinitrotoluene

Concen: 7.326 ng

RT: 14.76 min Scan# 1986

Delta R.T. 0.42 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

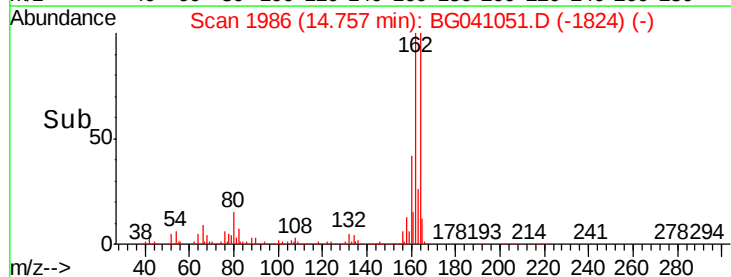
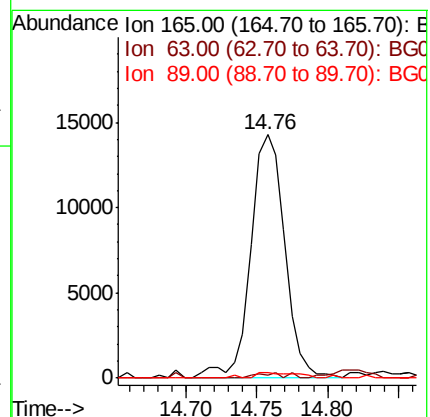
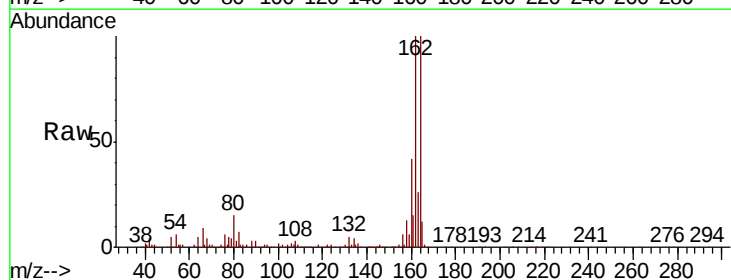
Tgt Ion:165 Resp: 24309

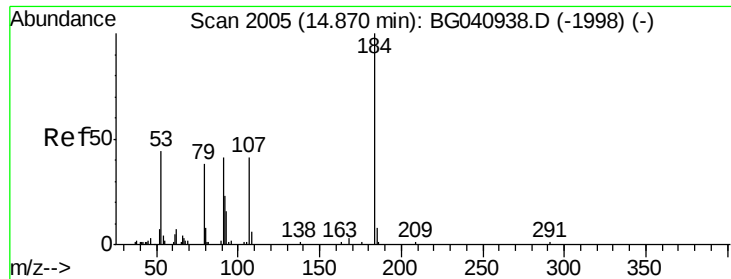
Ion Ratio Lower Upper

165 100

63 1.2 53.6 80.4#

89 2.5 50.4 75.6#

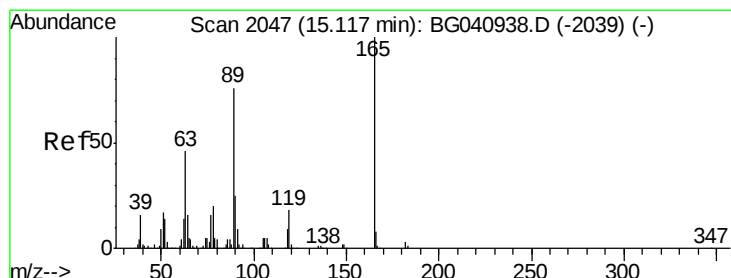
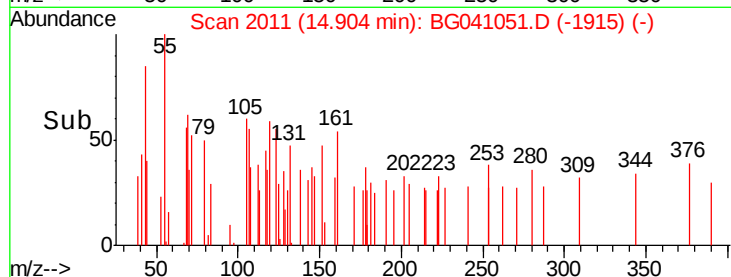
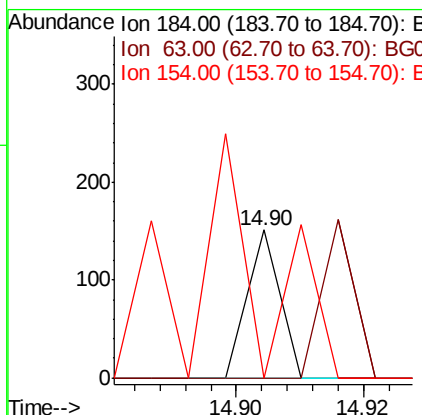
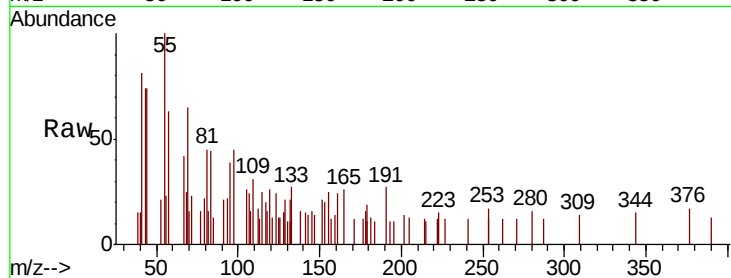




#54
2,4-Dinitrophenol
Concen: 8.289 ng
RT: 14.90 min Scan# 2011
Delta R.T. 0.03 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

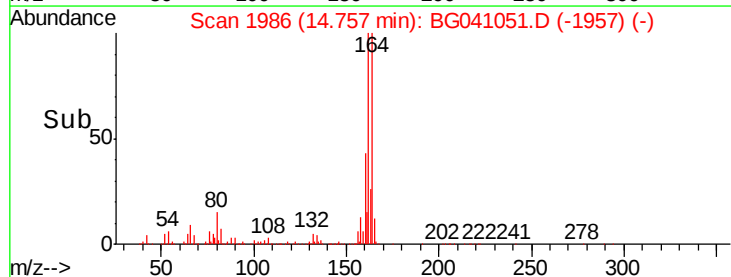
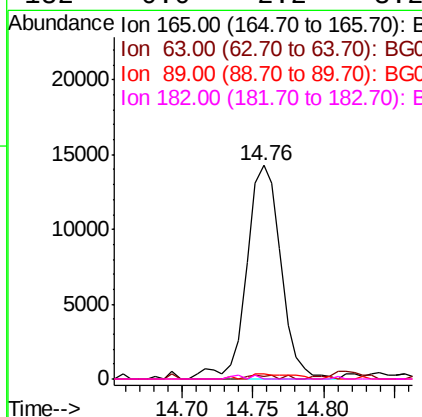
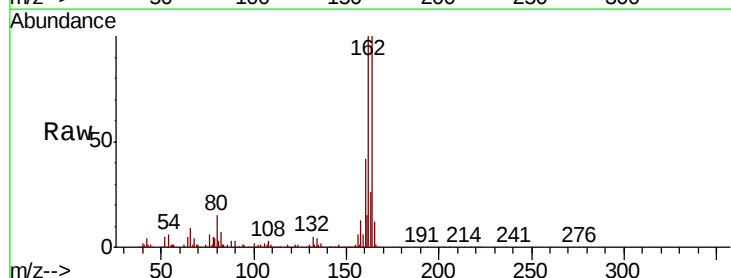
Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

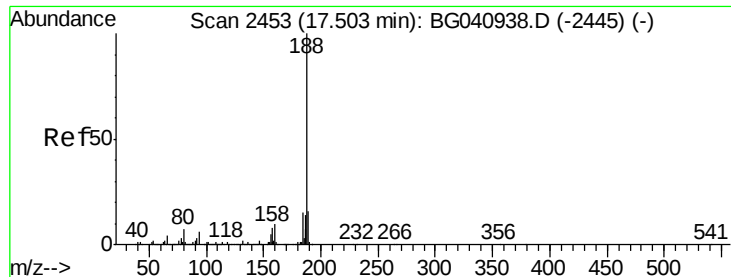
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 0.0 49.8 74.6#
154 0.0 52.2 78.4#



#57
2,4-Dinitrotoluene
Concen: 5.186 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.36 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:165 Resp: 24309
Ion Ratio Lower Upper
165 100
63 1.2 37.3 55.9#
89 2.5 61.0 91.6#
182 0.0 2.2 3.2#

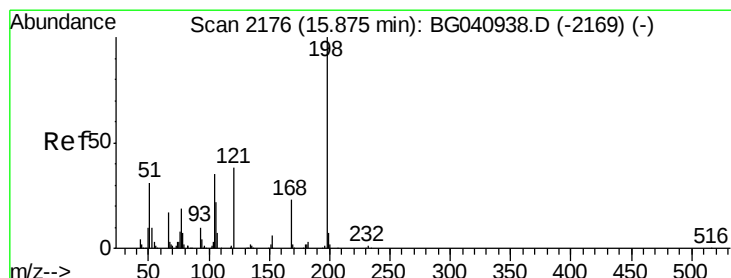
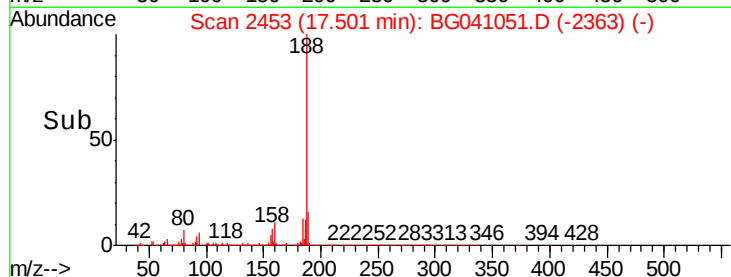
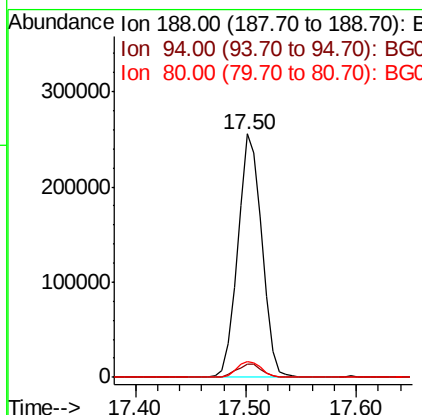
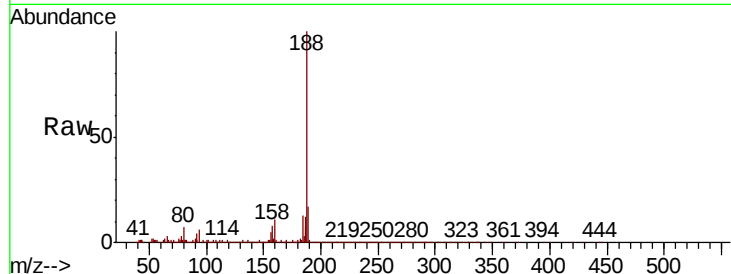




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

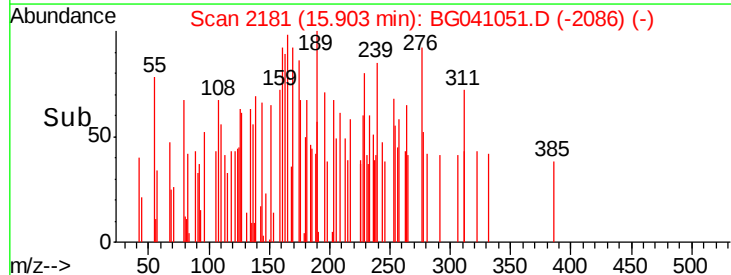
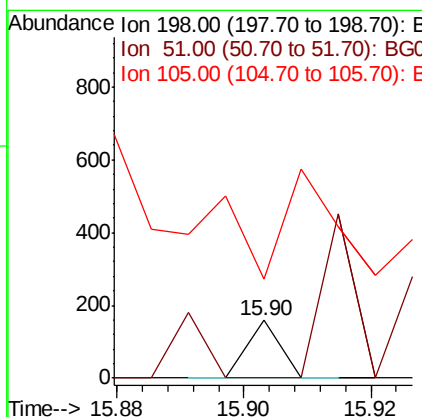
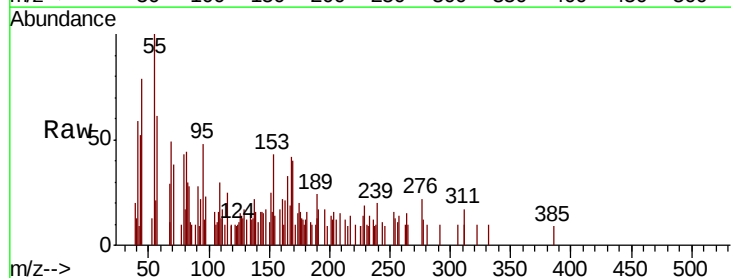
Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

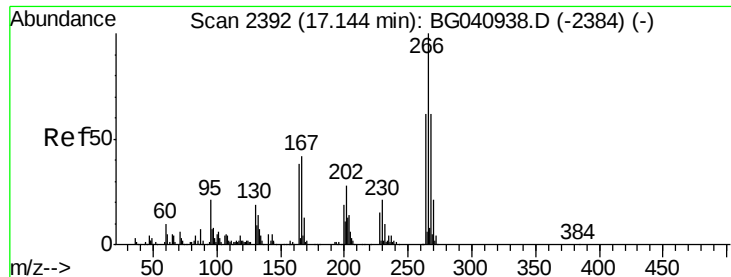
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.7	7.1
80	6.6	5.8	8.8



#65
4,6-Dinitro-2-methylphenol
Concen: 8.612 ng
RT: 15.90 min Scan# 2181
Delta R.T. 0.03 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	21.6	61.6#
105	172.2	17.5	57.5#





#70

Pentachlorophenol

Concen: 4.354 ng

RT: 17.17 min Scan# 2397

Delta R.T. 0.03 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C

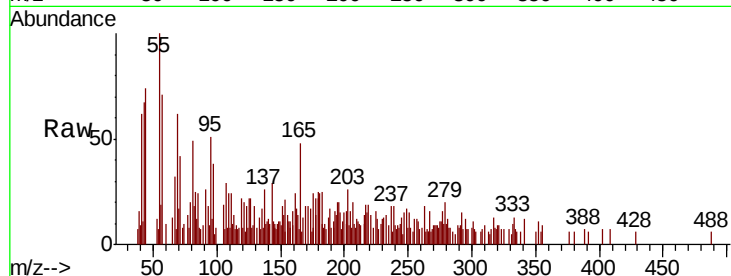
Tgt Ion:266 Resp: 313

Ion Ratio Lower Upper

266 100

268 53.7 53.1 79.7

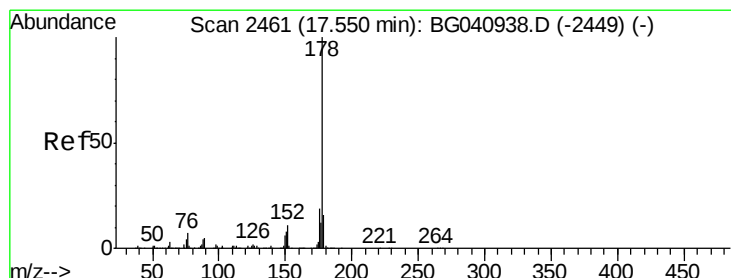
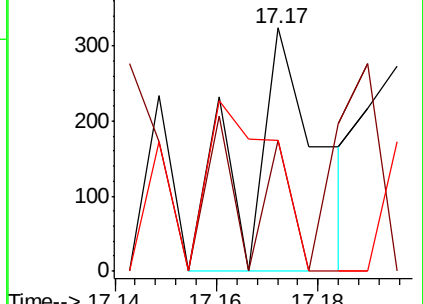
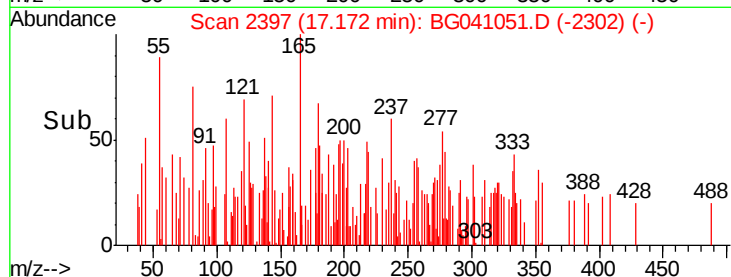
264 54.0 49.9 74.9



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71

Phenanthrene

Concen: 6.061 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

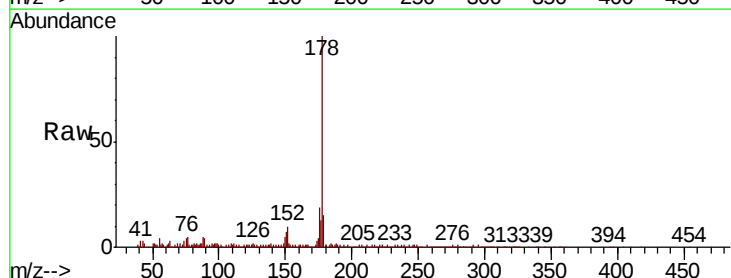
Tgt Ion:178 Resp: 123330

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

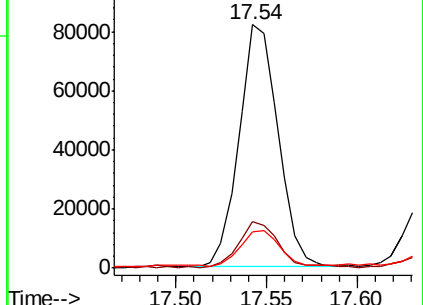
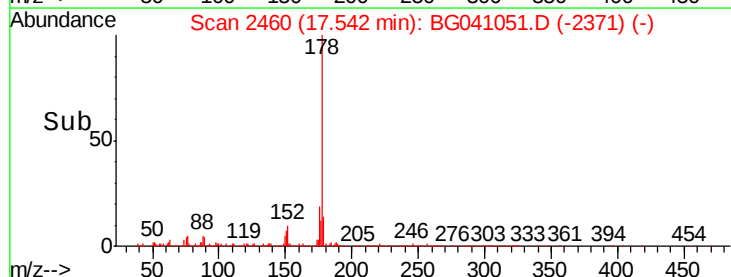
179 15.0 12.7 19.1

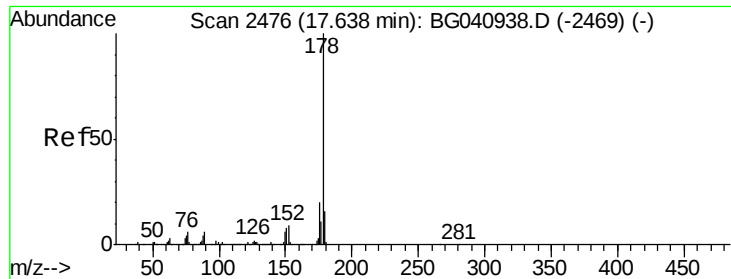


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.145 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.10 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C

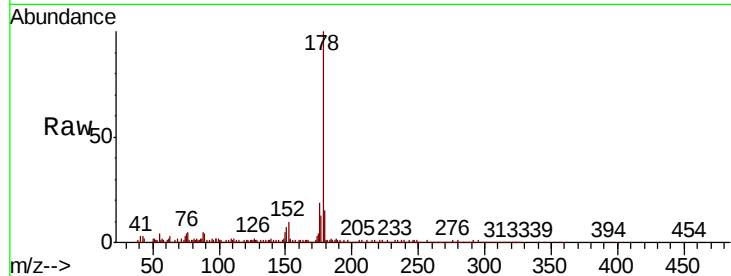
Tgt Ion:178 Resp: 123330

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

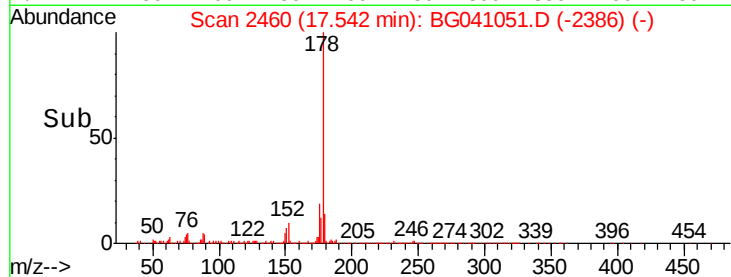
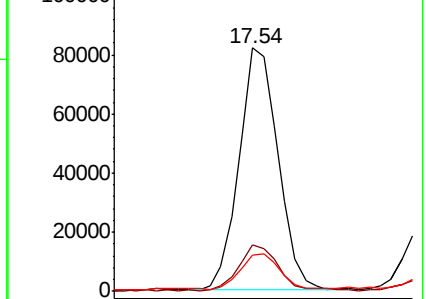
179 15.0 13.0 19.4



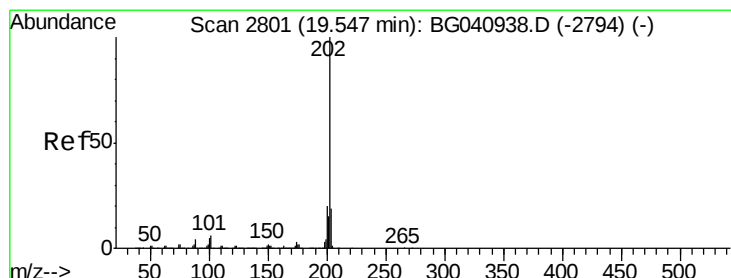
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 7.678 ng

RT: 19.55 min Scan# 2802

Delta R.T. 0.00 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

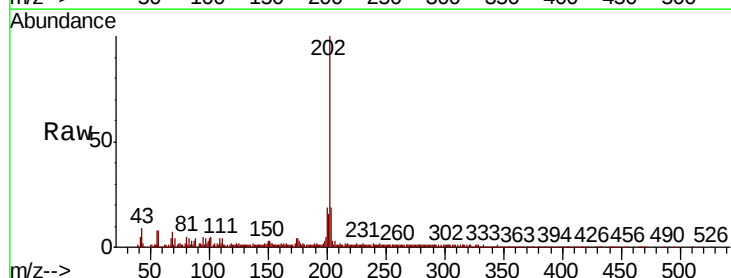
Tgt Ion:202 Resp: 192960

Ion Ratio Lower Upper

202 100

101 4.6 0.0 26.2

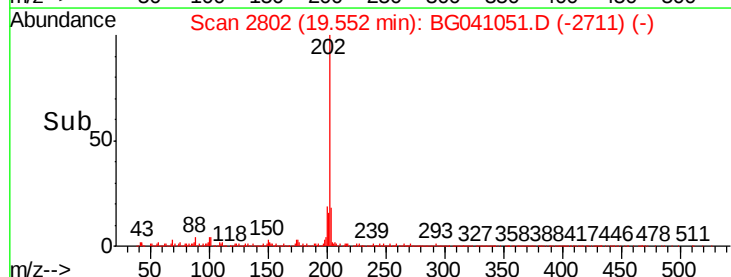
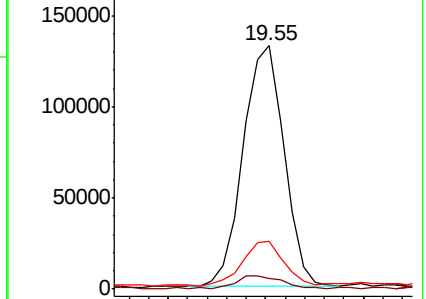
203 19.4 0.0 38.7



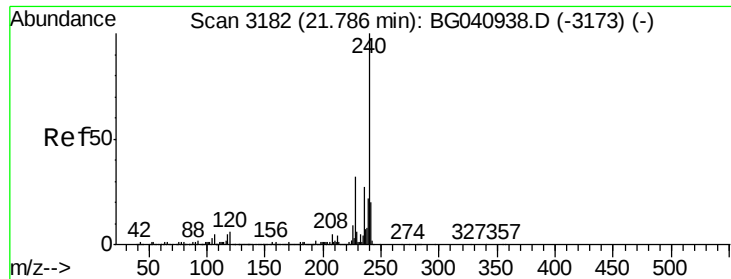
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



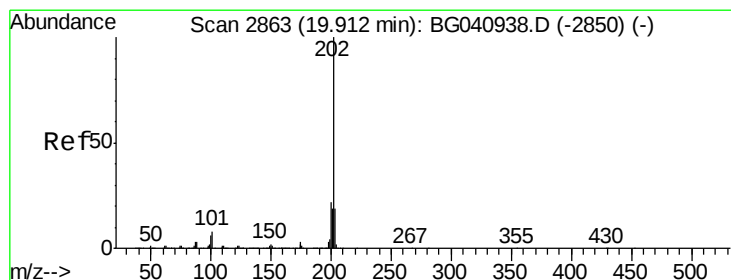
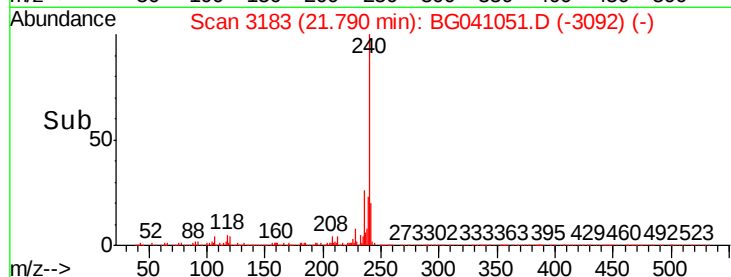
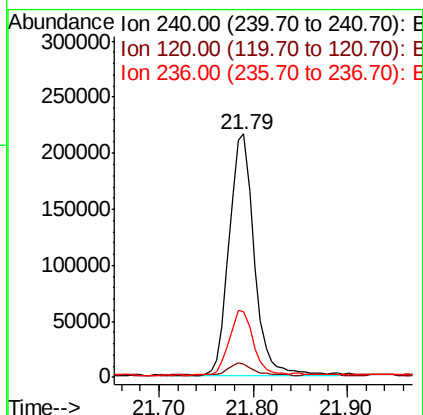
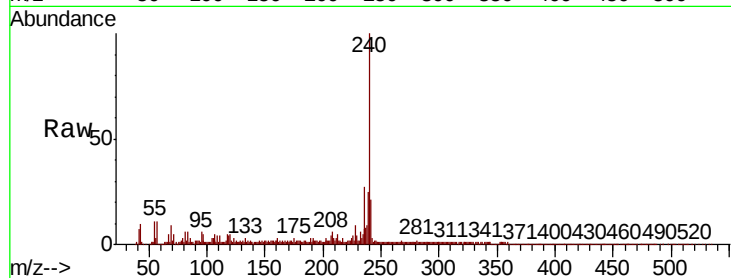
Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

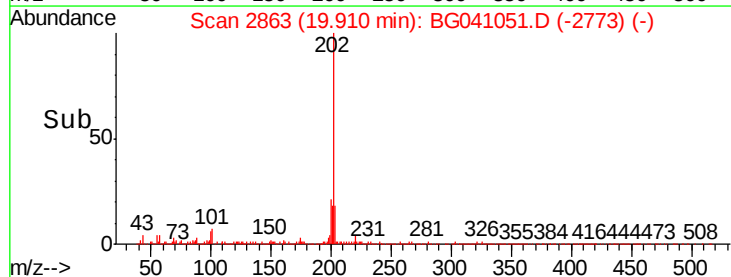
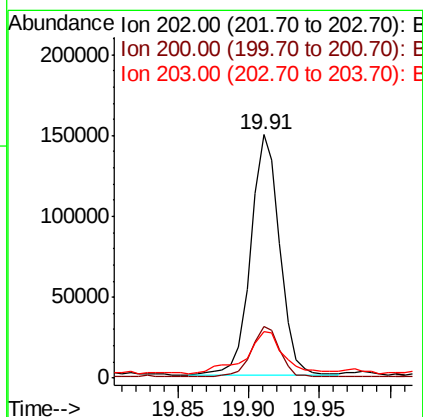
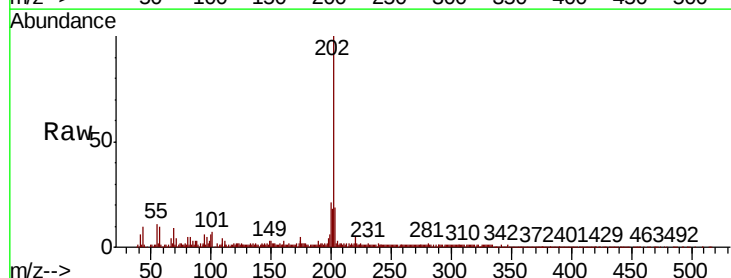
Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

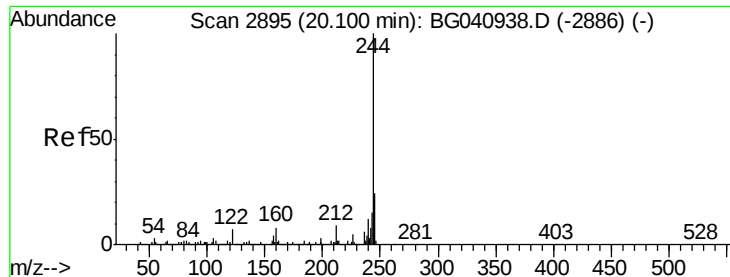
Tgt Ion:240 Resp: 402125
Ion Ratio Lower Upper
240 100
120 5.3 4.5 6.7
236 27.2 21.3 31.9



#78
Pyrene
Concen: 8.220 ng
RT: 19.91 min Scan# 2863
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:202 Resp: 214877
Ion Ratio Lower Upper
202 100
200 21.1 17.5 26.3
203 18.9 15.6 23.4





#79

Terphenyl-d14

Concen: 22.781 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.00 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C

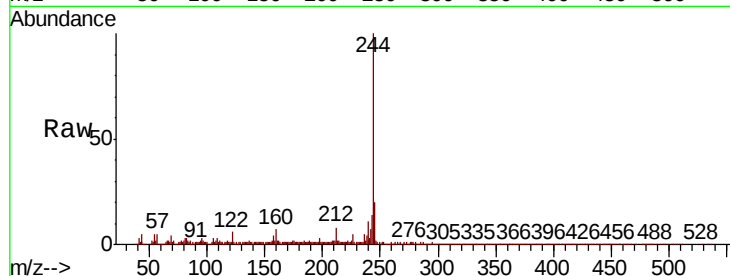
Tgt Ion:244 Resp: 431640

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

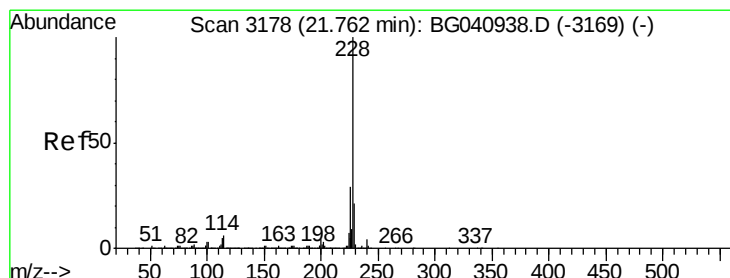
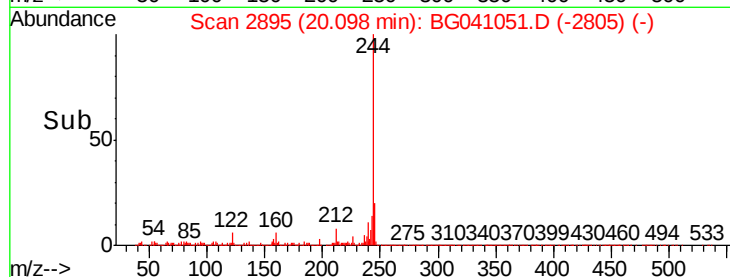
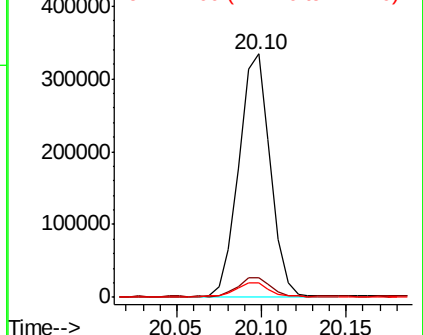
122 5.7 5.4 8.0



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: 4.905 ng

RT: 21.77 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

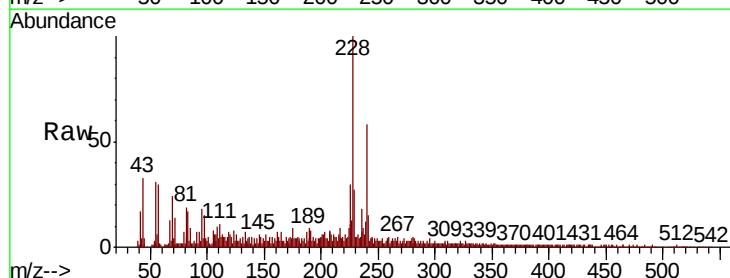
Tgt Ion:228 Resp: 131289

Ion Ratio Lower Upper

228 100

226 29.8 23.5 35.3

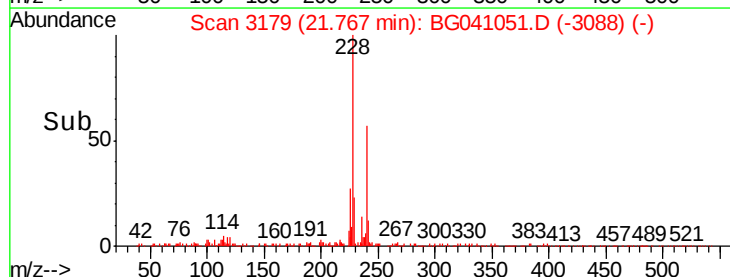
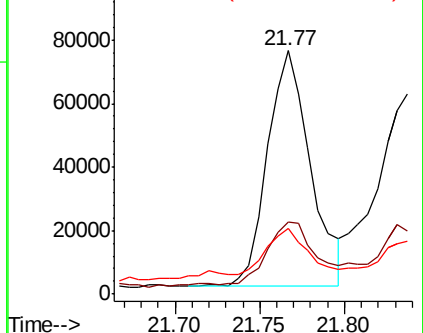
229 26.9 16.7 25.1#

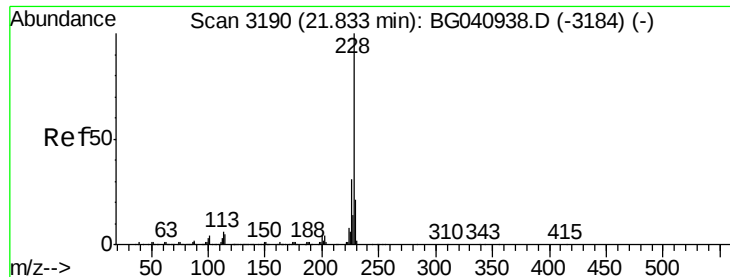


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.081 ng

RT: 21.84 min Scan# 3191

Delta R.T. 0.00 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C

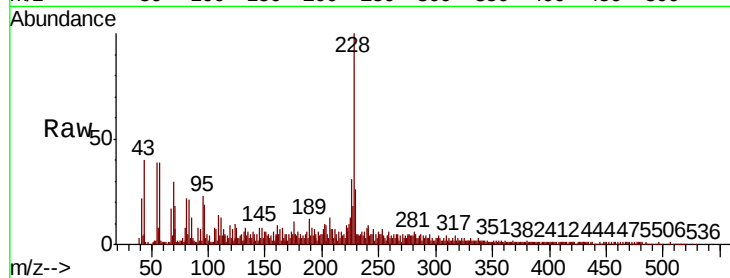
Tgt Ion:228 Resp: 130148

Ion Ratio Lower Upper

228 100

226 31.4 24.6 37.0

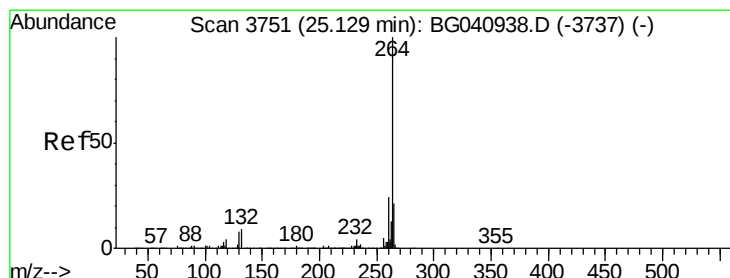
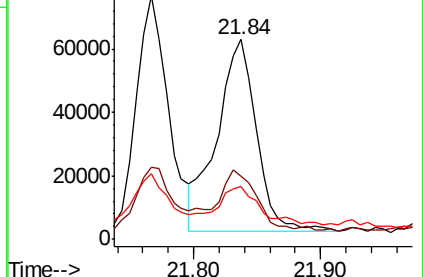
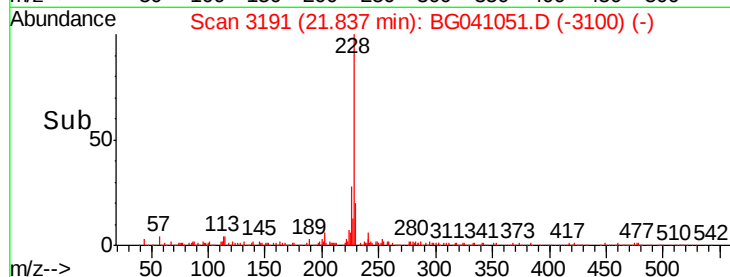
229 26.2 16.6 24.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.13 min Scan# 3752

Delta R.T. 0.00 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

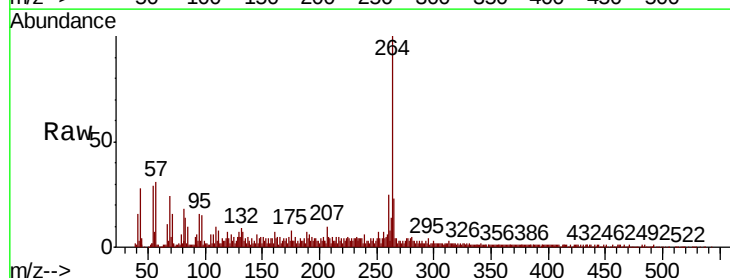
Tgt Ion:264 Resp: 275882

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.4

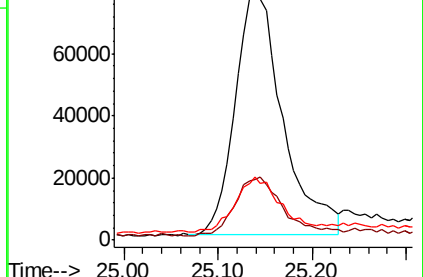
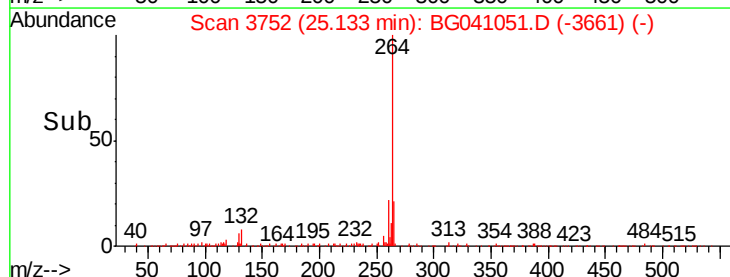
265 23.5 17.0 25.4

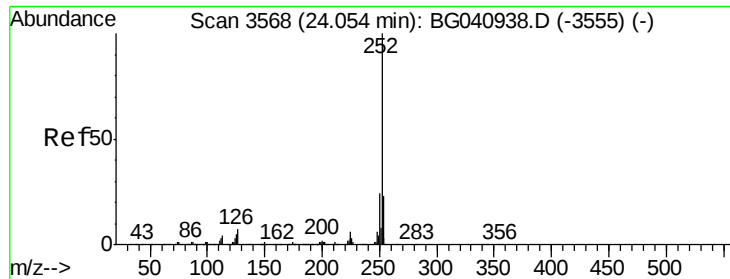


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.799 ng

RT: 24.07 min Scan# 3571

Delta R.T. 0.02 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

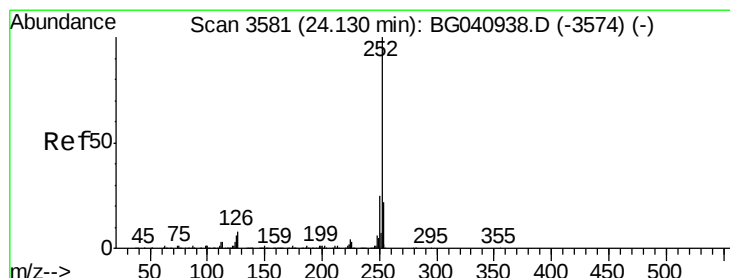
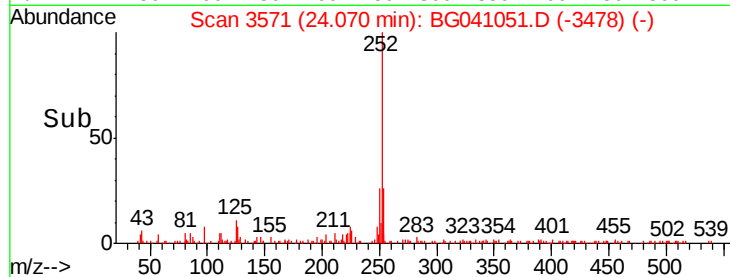
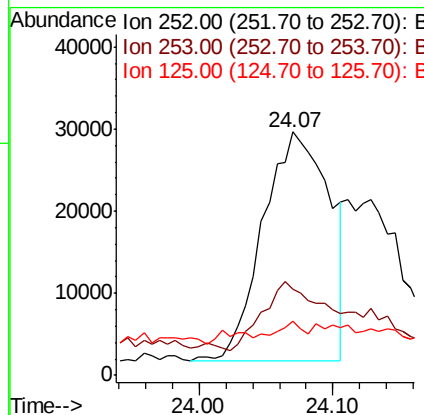
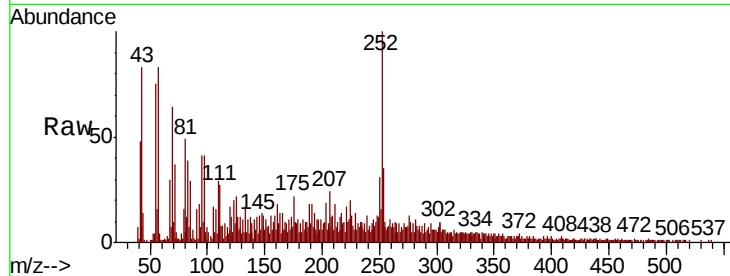
Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C

Tgt Ion:	252	Resp:	97039
Ion Ratio	Lower	Upper	
252	100		
253	35.4	18.4	27.6#
125	22.1	4.3	6.5#



#89

Benzo(k)fluoranthene

Concen: 5.860 ng

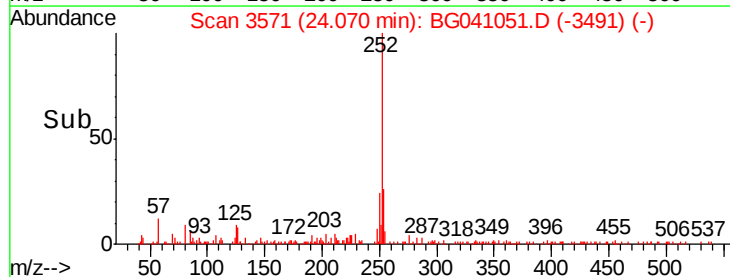
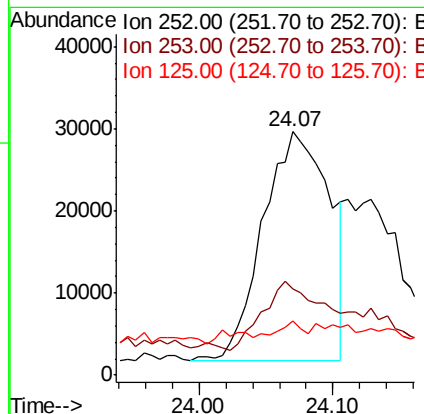
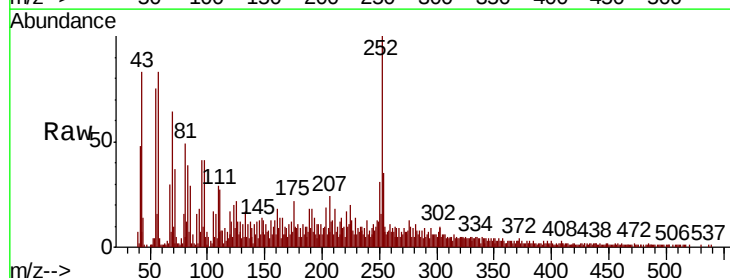
RT: 24.07 min Scan# 3571

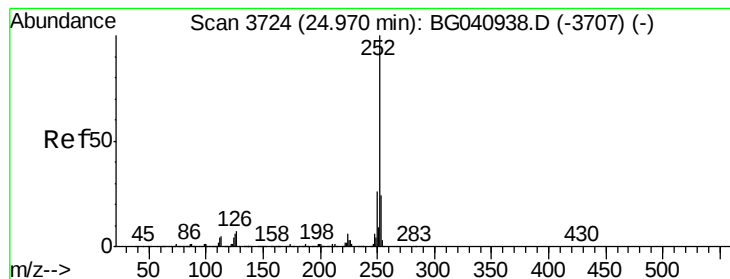
Delta R.T. -0.06 min

Lab File: BG041051.D

Acq: 4 Jun 2019 1:45

Tgt Ion:	252	Resp:	97039
Ion Ratio	Lower	Upper	
252	100		
253	35.4	17.8	26.6#
125	22.1	4.7	7.1#





#90

Benzo(a)pyrene

Concen: 4.353 ng

RT: 24.98 min Scan# 3726

Delta R.T. 0.01 min

Lab File: BG041051.D

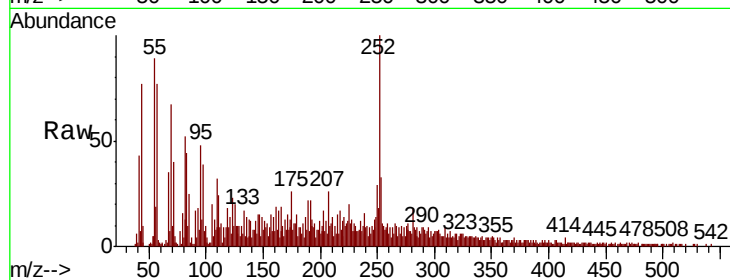
Acq: 4 Jun 2019 1:45

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-C



Tgt Ion:	252	Resp:	69491
Ion Ratio	Lower	Upper	
252	100		
253	33.3	19.5	29.3#
125	20.1	5.1	7.7#

