

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
 Data File : BG041053.D
 Acq On : 4 Jun 2019 3:01
 Operator : HP/JU
 Sample : K2641-21 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jun 04 08:08:52 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

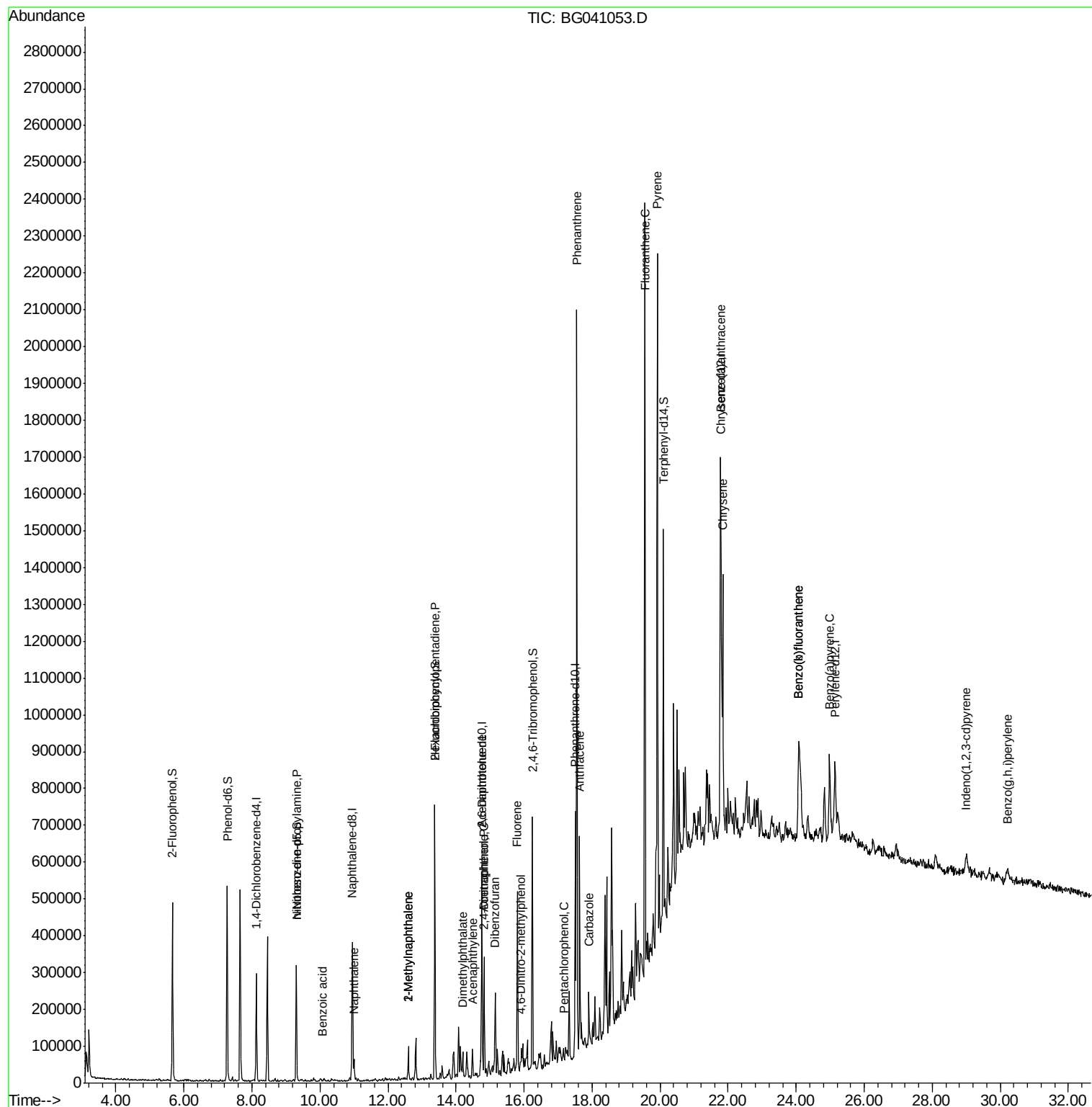
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	77864	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	299409	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	188623	20.00	ng	0.00
64) Phenanthrene-d10	17.51	188	406854	20.00	ng	0.00
76) Chrysene-d12	21.79	240	395604	20.00	ng	0.00
87) Perylene-d12	25.14	264	305357	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	194010	44.93	ng	0.00
7) Phenol-d6	7.27	99	283839	42.56	ng	0.00
23) Nitrobenzene-d5	9.30	82	191696	28.42	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	115084	41.10	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	372598	28.45	ng	0.00
79) Terphenyl-d14	20.10	244	493918	26.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	28372	5.528	ng	Qvalue # 70
31) Naphthalene	11.00	128	44335	2.758	ng	97
32) Benzoic acid	10.06	122	72	8.147	ng	# 31
37) 2-Methylnaphthalene	12.60	142	41225	3.330	ng	92
38) 1-Methylnaphthalene	12.60	142	41225	3.533	ng	88
41) Hexachlorocyclopentadiene	13.38	237	83	8.254	ng	# 26
49) Acenaphthylene	14.49	152	41421	2.296	ng	96
50) Dimethylphthalate	14.20	163	33037	2.069	ng	98
51) 2,6-Dinitrotoluene	14.76	165	29257	8.498	ng	# 20
52) Acenaphthene	14.82	154	108614	9.938	ng	91
54) 2,4-Dinitrophenol	14.83	184	76	8.304	ng	# 1
55) Dibenzofuran	15.15	168	124129	6.750	ng	97
58) Fluorene	15.80	166	212233	14.492	ng	97
65) 4,6-Dinitro-2-methylphenol	15.89	198	61	8.613	ng	# 1
70) Pentachlorophenol	17.18	266	98	4.286	ng	# 56
71) Phenanthrene	17.55	178	1235156	58.283	ng	96
72) Anthracene	17.64	178	373381	17.864	ng	98
73) Carbazole	17.91	167	86884	4.845	ng	# 96
75) Fluoranthene	19.55	202	1334195	50.970	ng	96
78) Pyrene	19.92	202	1243658	48.360	ng	98
81) Benzo(a)anthracene	21.77	228	612320	23.252	ng	98
83) Chrysene	21.84	228	570642	22.644	ng	96
86) Indeno(1,2,3-cd)pyrene	29.00	276	94732	3.069	ng	# 97
88) Benzo(b)fluoranthene	24.07	252	410995	22.191	ng	# 97
89) Benzo(k)fluoranthene	24.07	252	410995	22.425	ng	# 96
90) Benzo(a)pyrene	24.98	252	297786	16.852	ng	# 96
92) Benzo(g,h,i)perylene	30.21	276	76807	4.478	ng	# 79

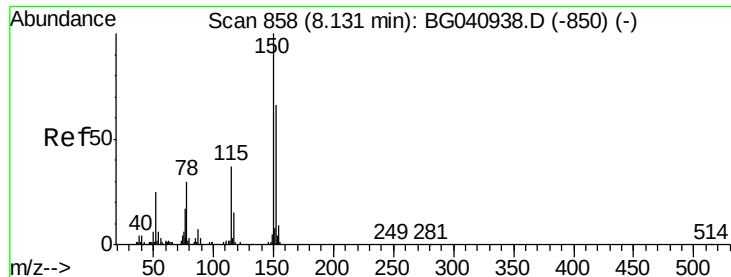
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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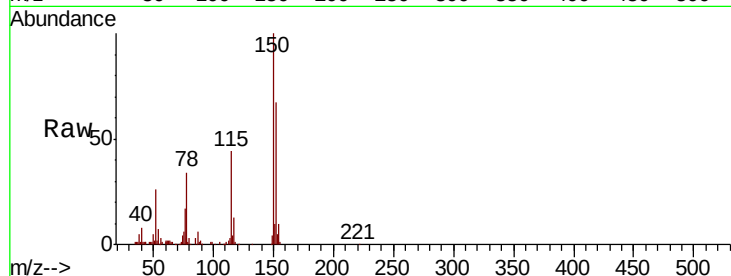


#1

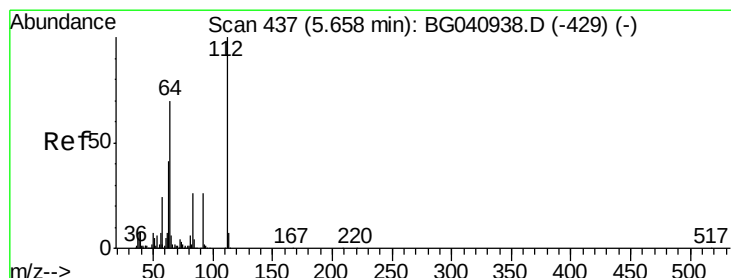
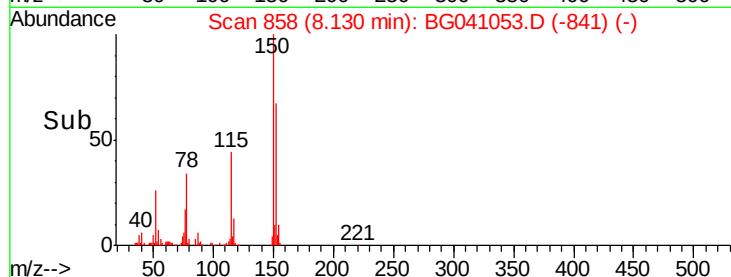
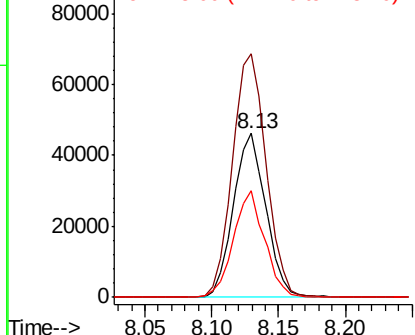
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.00 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

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

Tgt Ion:152 Resp: 77864
Ion Ratio Lower Upper
152 100
150 148.8 120.6 180.8
115 64.9 45.1 67.7



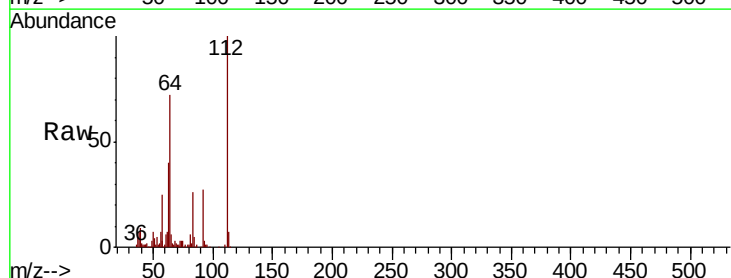
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



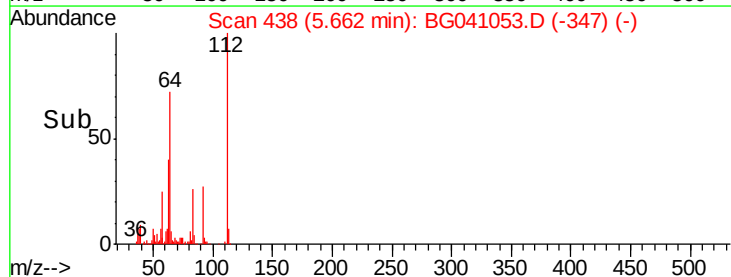
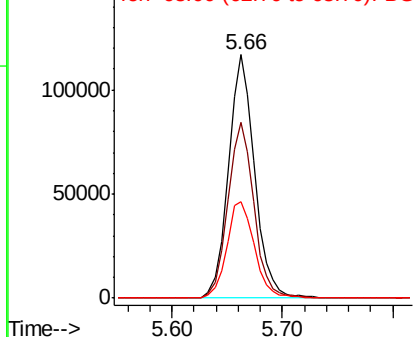
#5

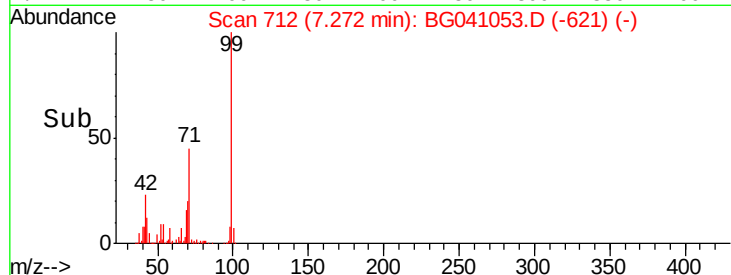
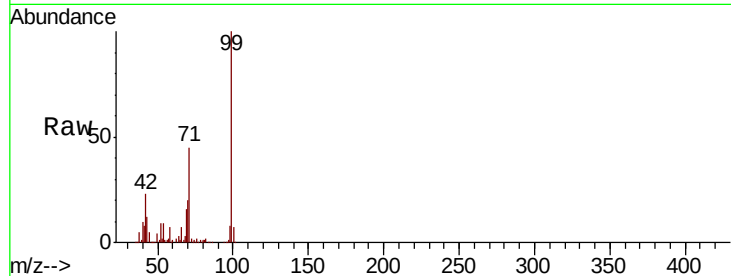
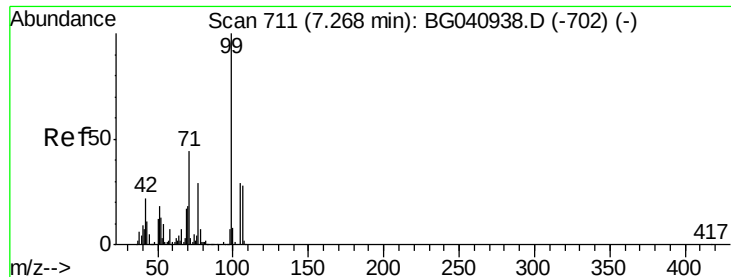
2-Fluorophenol
Concen: 44.930 ng
RT: 5.66 min Scan# 438
Delta R.T. 0.00 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

Tgt Ion:112 Resp: 194010
Ion Ratio Lower Upper
112 100
64 72.0 56.2 84.2
63 39.5 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: 42.562 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

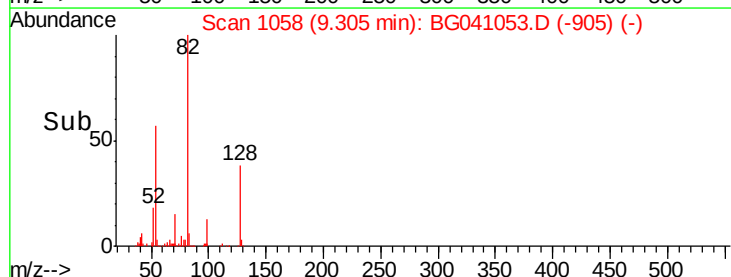
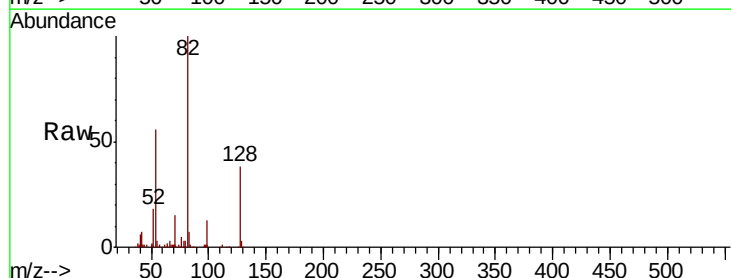
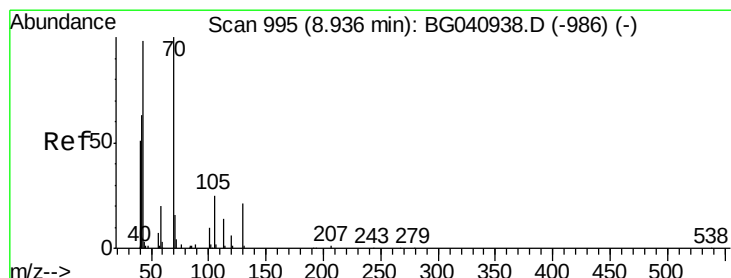
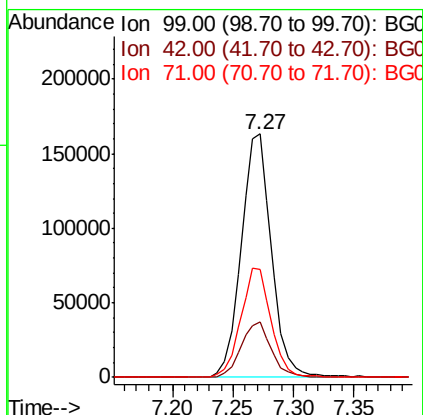
Tgt Ion: 99 Resp: 283839

Ion Ratio Lower Upper

99 100

42 22.8 17.9 26.9

71 44.5 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.528 ng

RT: 9.30 min Scan# 1058

Delta R.T. 0.37 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Tgt Ion: 70 Resp: 28372

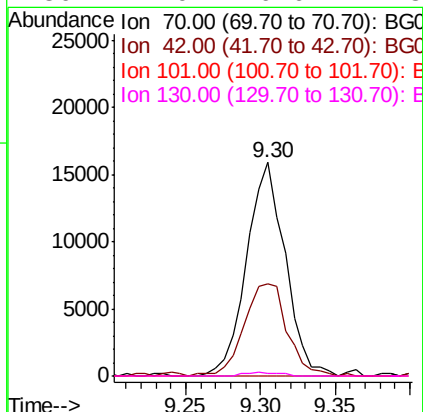
Ion Ratio Lower Upper

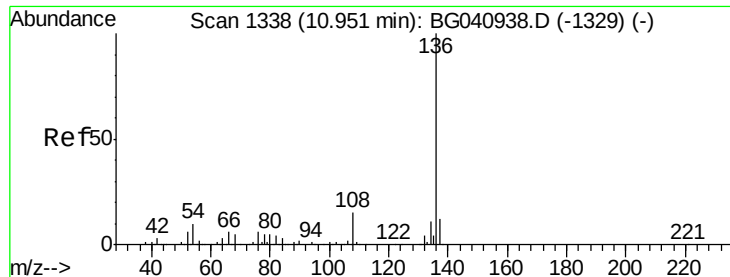
70 100

42 43.4 51.5 77.3#

101 0.0 8.1 12.1#

130 1.0 16.6 24.8#

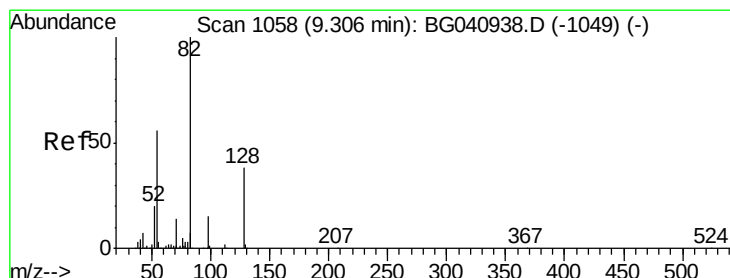
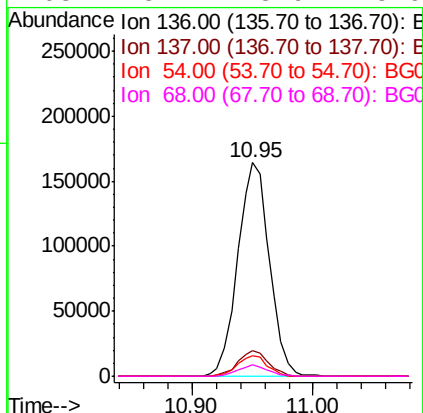
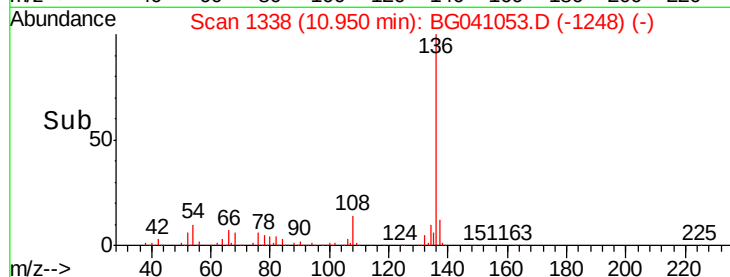
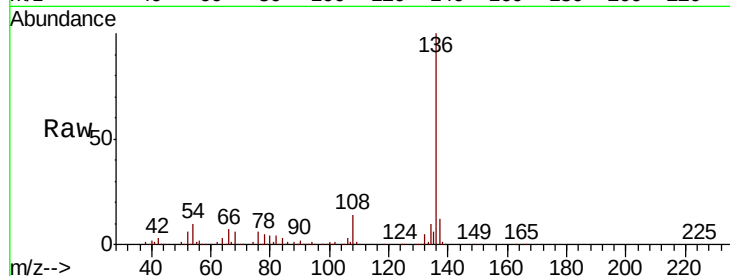




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

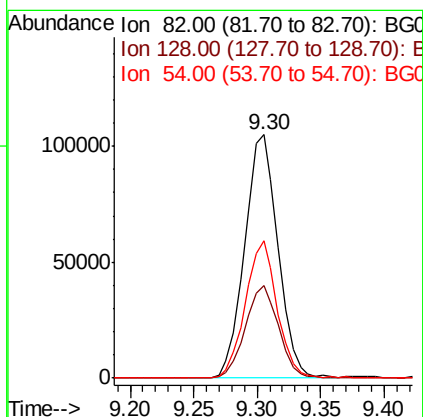
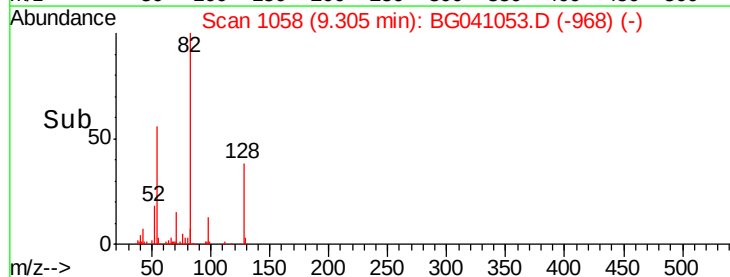
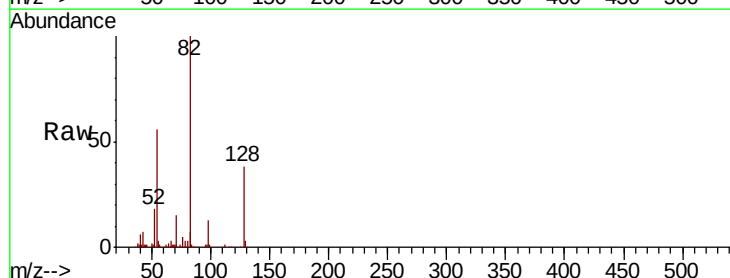
Instrument :
BNA_G
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CL-02-053119-E

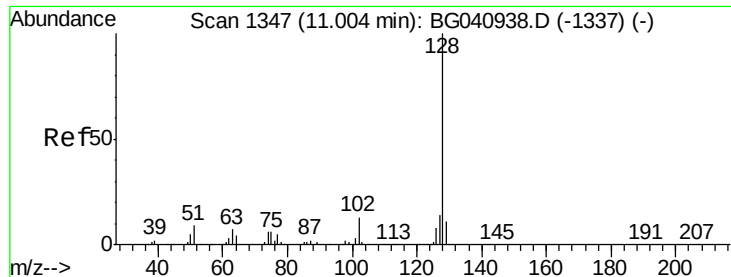
Tgt Ion:	136	Resp:	299409
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	9.7	7.6	11.4
68	5.7	3.9	5.9



#23
Nitrobenzene-d5
Concen: 28.423 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

Tgt Ion:	82	Resp:	191696
Ion	Ratio	Lower	Upper
82	100		
128	37.8	30.5	45.7
54	56.5	44.6	66.8

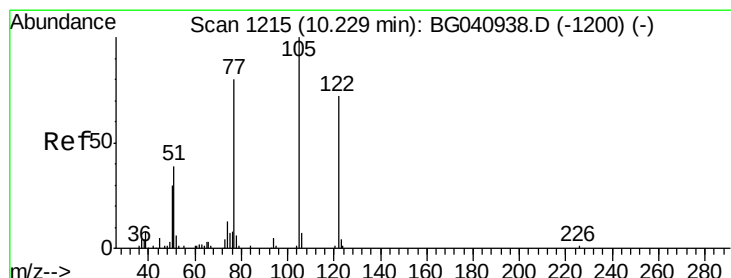
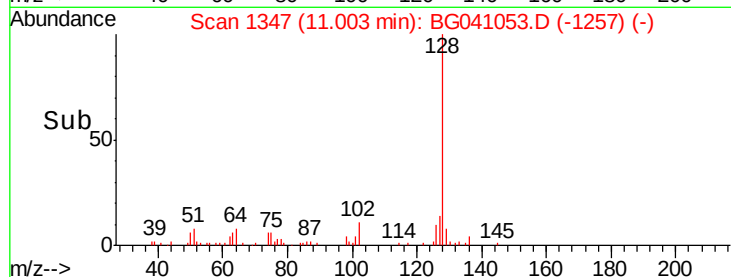
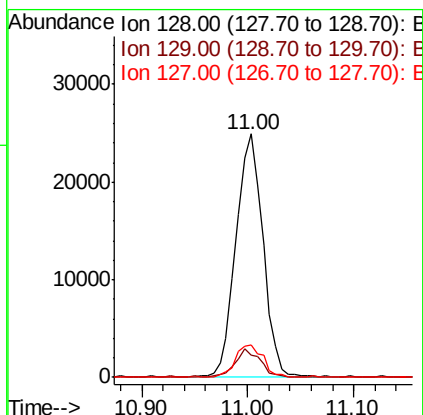
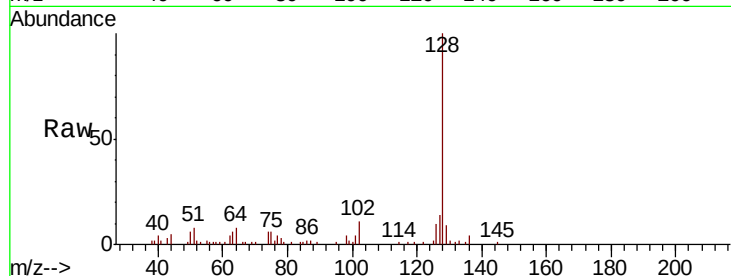




#31
Naphthalene
Concen: 2.758 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

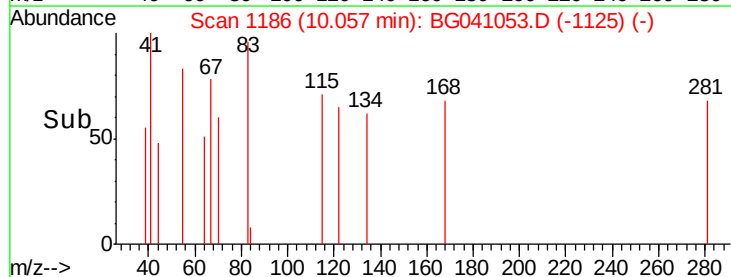
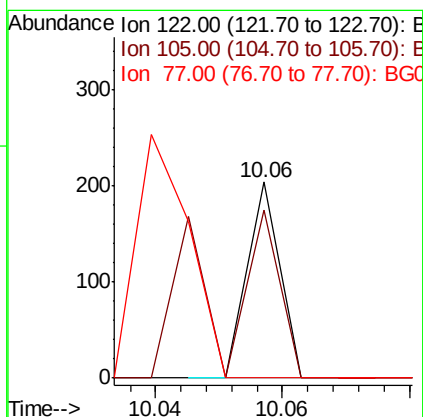
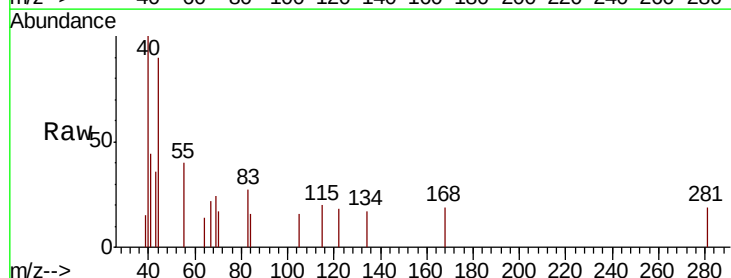
Instrument :
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ClientSampleId :
CL-02-053119-E

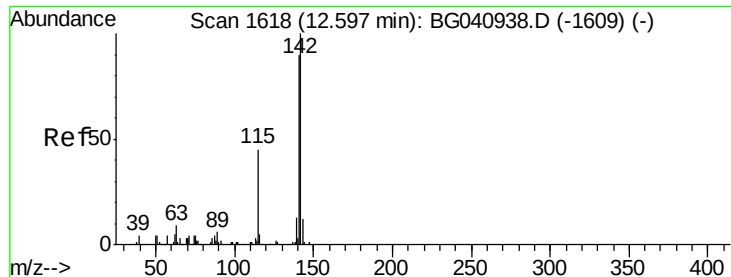
Tgt Ion:128 Resp: 44335
Ion Ratio Lower Upper
128 100
129 9.0 8.5 12.7
127 13.5 11.4 17.2



#32
Benzoic acid
Concen: 8.147 ng
RT: 10.06 min Scan# 1186
Delta R.T. -0.17 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

Tgt Ion:122 Resp: 72
Ion Ratio Lower Upper
122 100
105 86.2 114.8 154.8#
77 0.0 89.9 129.9#

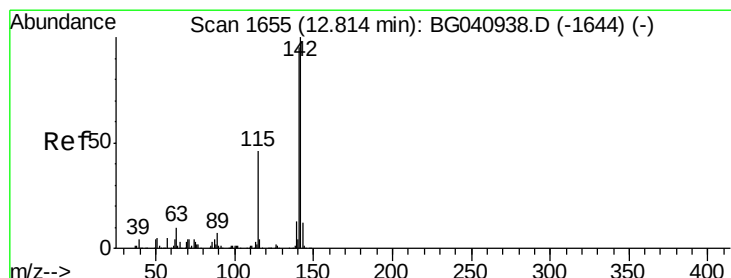
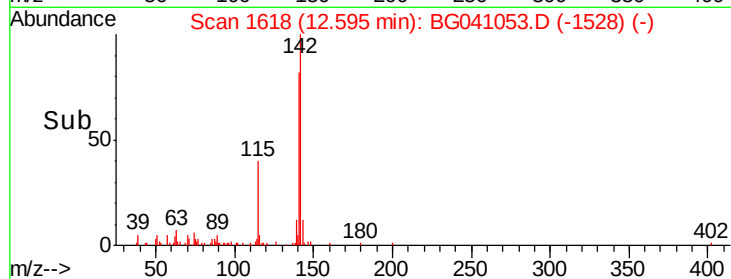
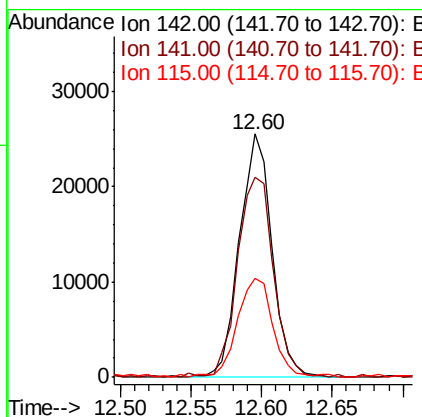
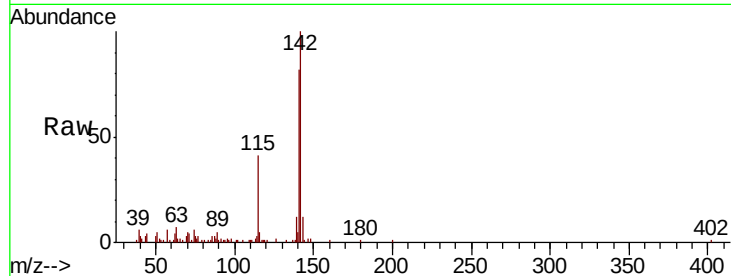




#37
 2-Methylnaphthalene
 Concen: 3.330 ng
 RT: 12.60 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BG041053.D
 Acq: 4 Jun 2019 3:01

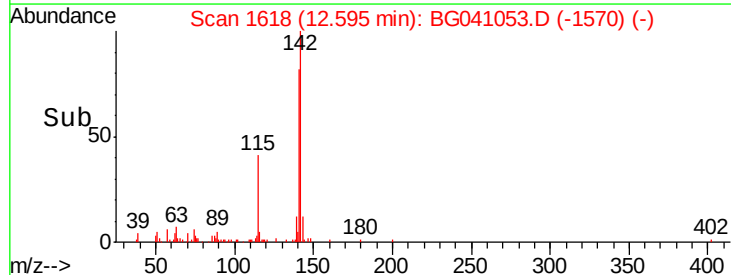
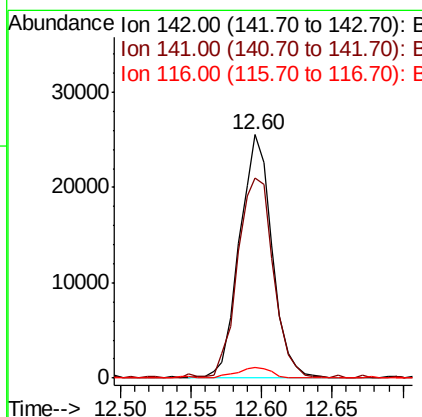
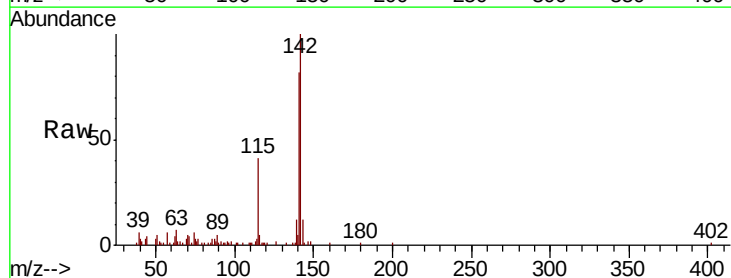
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-053119-E

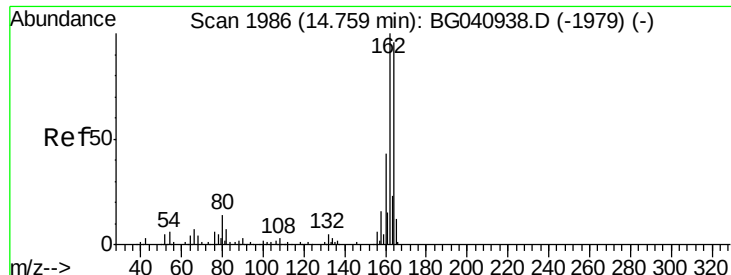
Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.1	72.2	108.4
115	40.5	36.2	54.4



#38
 1-Methylnaphthalene
 Concen: 3.533 ng
 RT: 12.60 min Scan# 1618
 Delta R.T. -0.22 min
 Lab File: BG041053.D
 Acq: 4 Jun 2019 3:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.1	75.7	113.5
116	4.5	3.4	5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

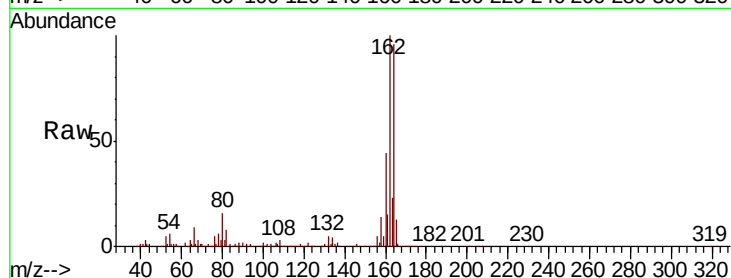
Tgt Ion:164 Resp: 188623

Ion Ratio Lower Upper

164 100

162 103.9 83.0 124.4

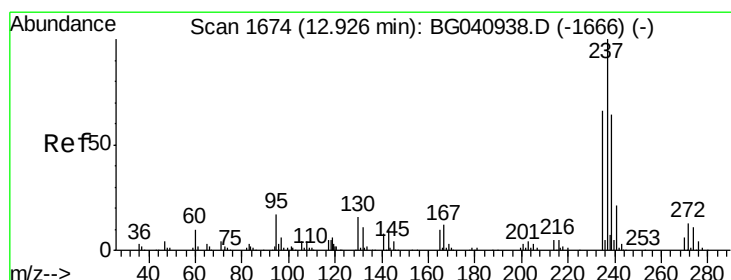
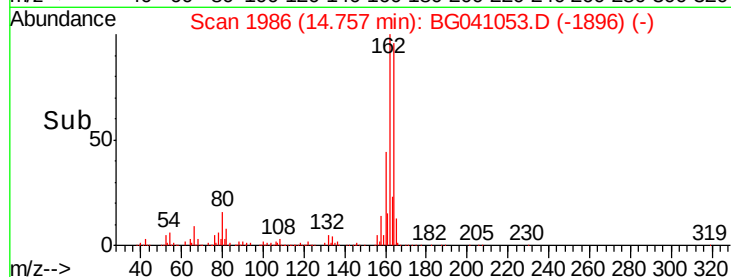
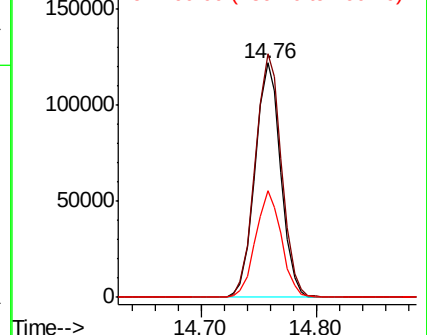
160 45.5 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 8.254 ng

RT: 13.38 min Scan# 1751

Delta R.T. 0.45 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

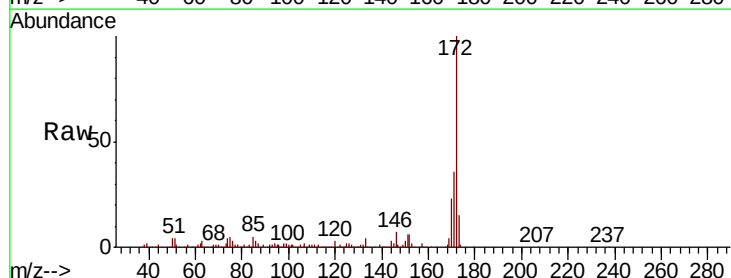
Tgt Ion:237 Resp: 83

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

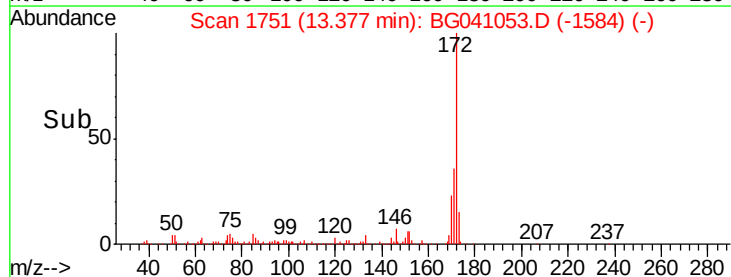
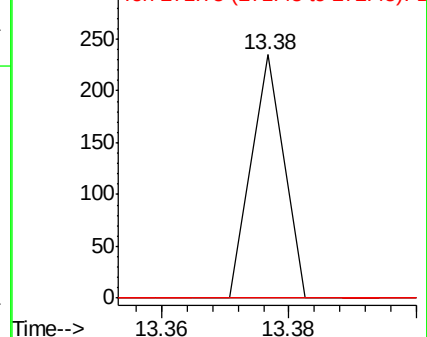
272 0.0 0.0 32.9

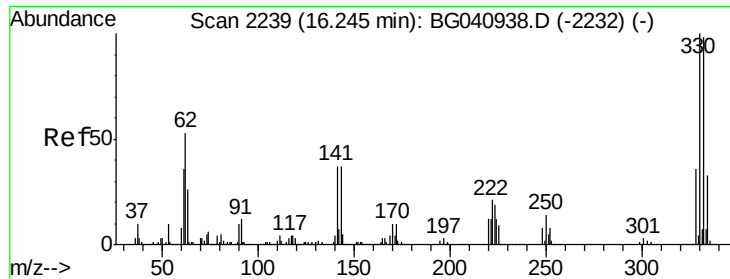


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

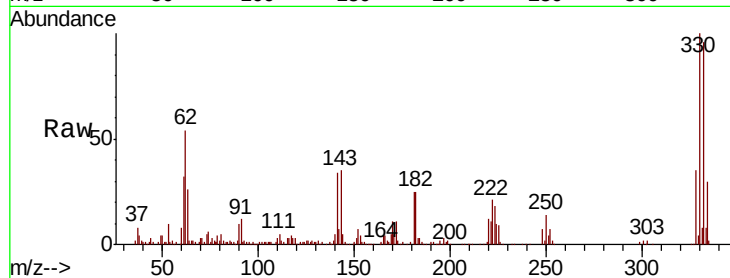




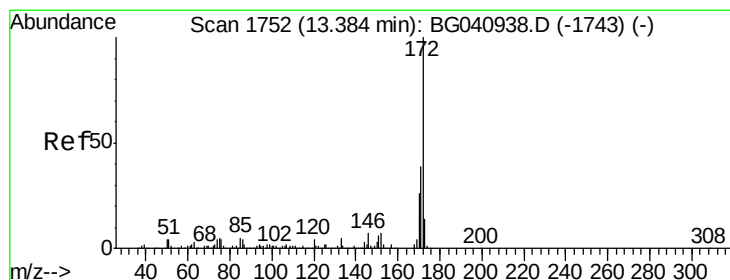
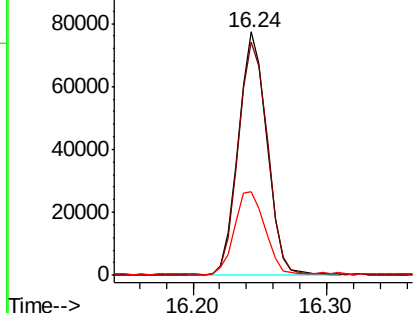
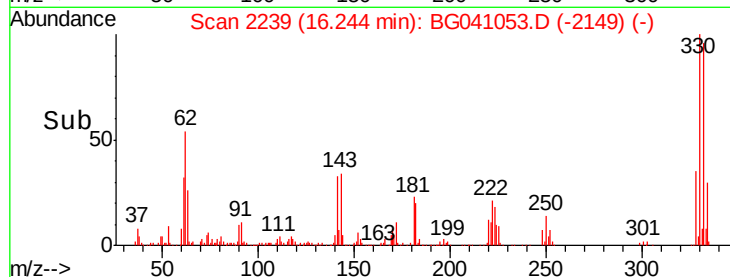
#42
 2,4,6-Tribromophenol
 Concen: 41.098 ng
 RT: 16.24 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: BG041053.D
 Acq: 4 Jun 2019 3:01

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

Tgt Ion:330 Resp: 115084
 Ion Ratio Lower Upper
 330 100
 332 98.3 78.5 117.7
 141 36.7 28.7 43.1

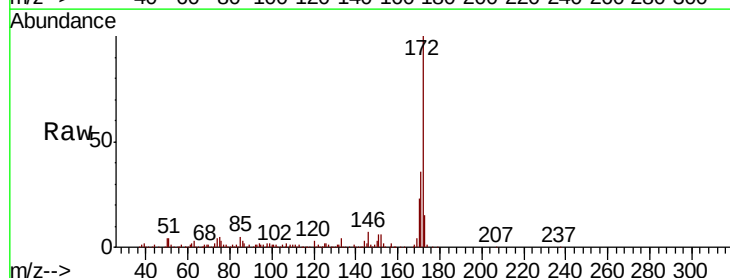


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

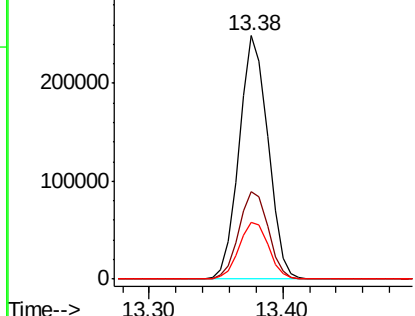
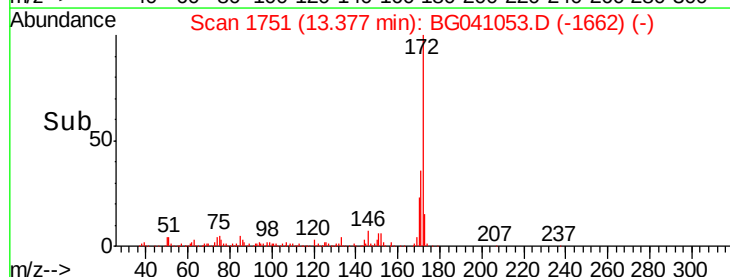


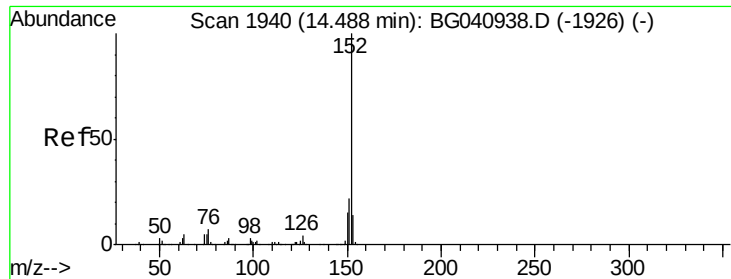
#45
 2-Fluorobiphenyl
 Concen: 28.447 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG041053.D
 Acq: 4 Jun 2019 3:01

Tgt Ion:172 Resp: 372598
 Ion Ratio Lower Upper
 172 100
 171 35.7 31.1 46.7
 170 23.2 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





#49

Acenaphthylene

Concen: 2.296 ng

RT: 14.49 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

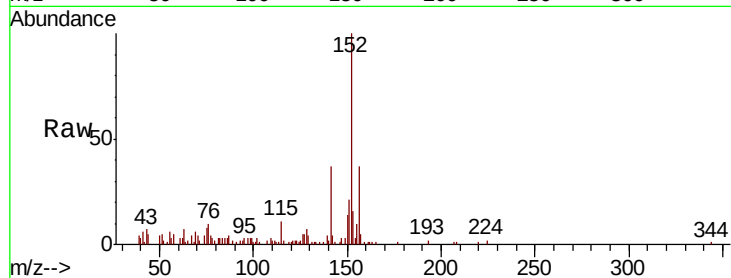
Tgt Ion:152 Resp: 41421

Ion Ratio Lower Upper

152 100

151 20.8 17.4 26.0

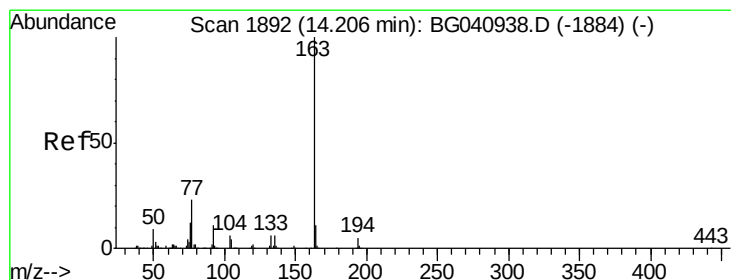
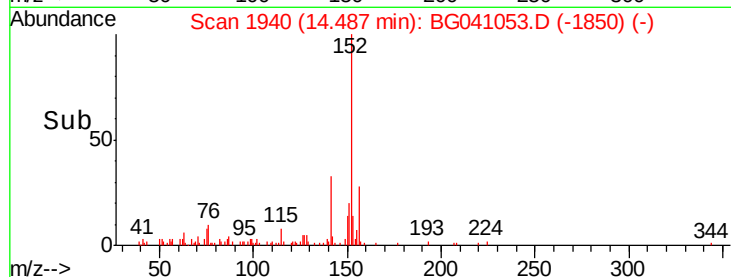
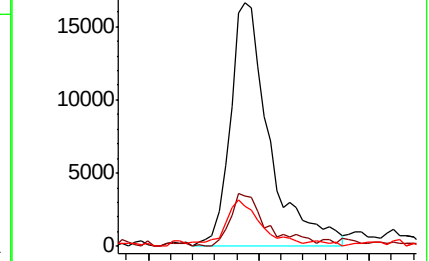
153 16.4 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.069 ng

RT: 14.20 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

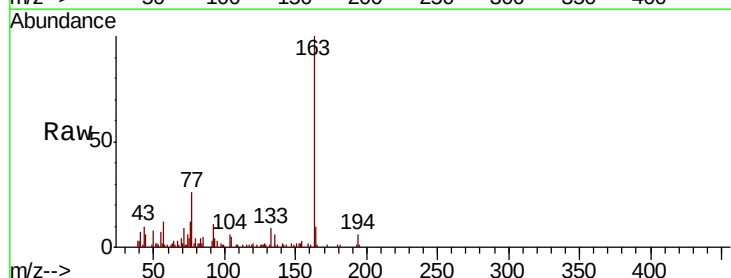
Tgt Ion:163 Resp: 33037

Ion Ratio Lower Upper

163 100

194 5.6 3.8 5.8

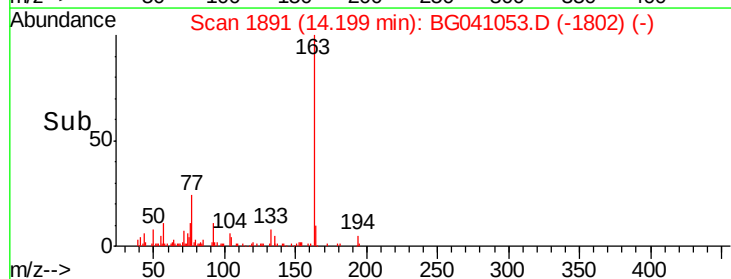
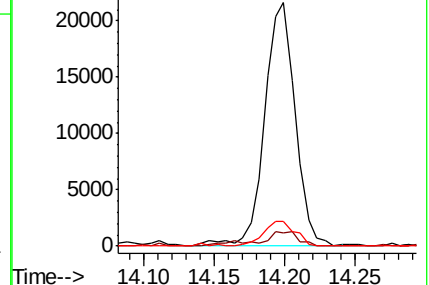
164 10.1 8.7 13.1

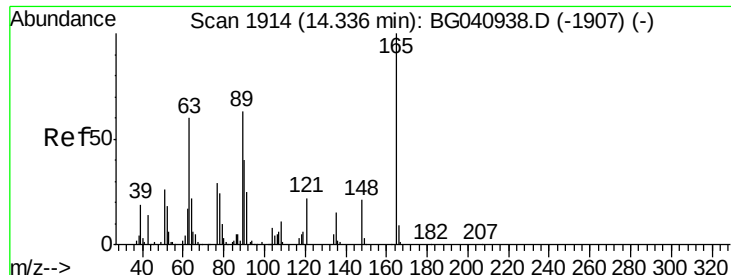


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

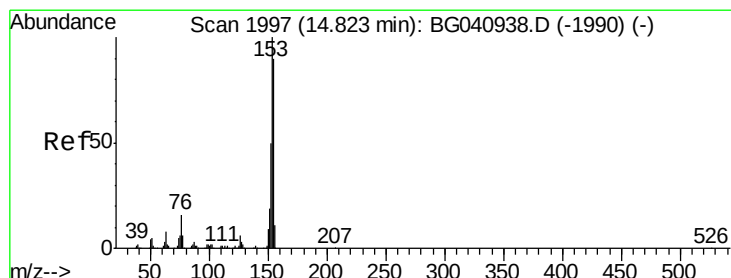
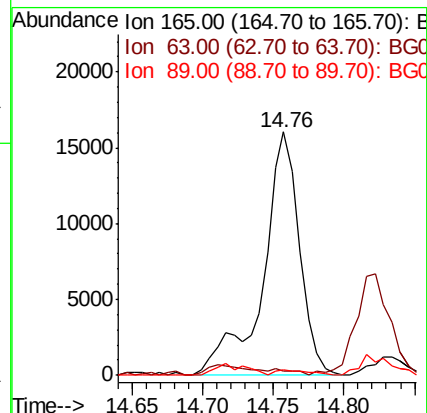
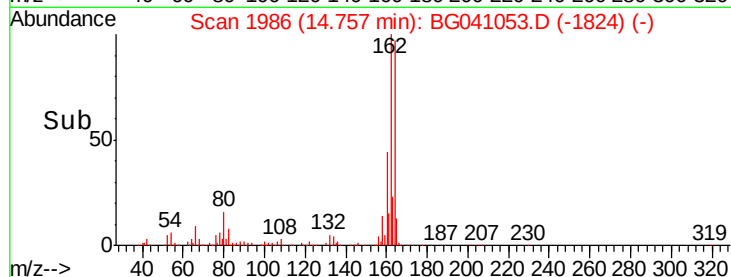
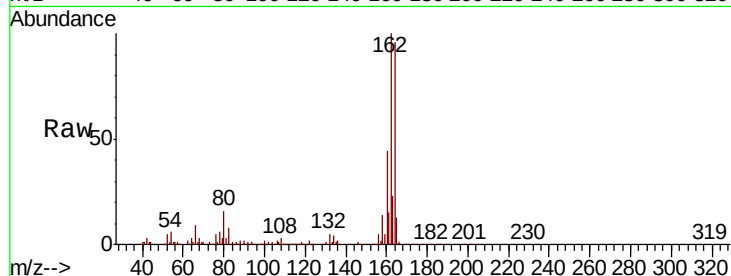




#51
2,6-Dinitrotoluene
Concen: 8.498 ng
RT: 14.76 min Scan# 1986
Delta R.T. 0.42 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

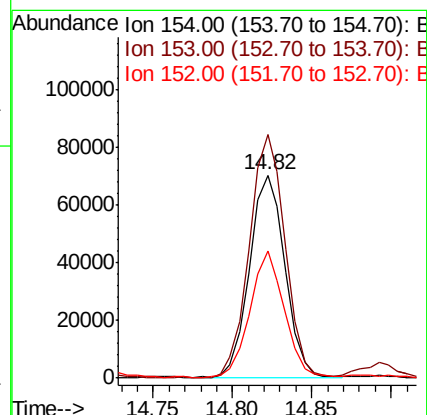
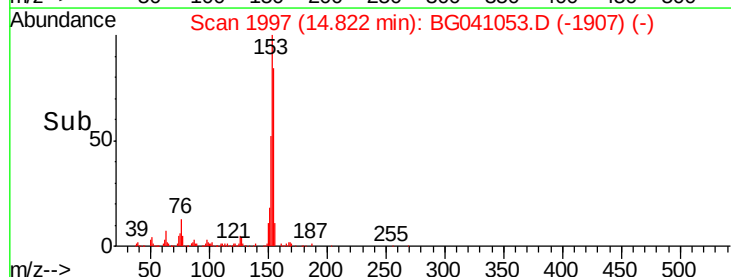
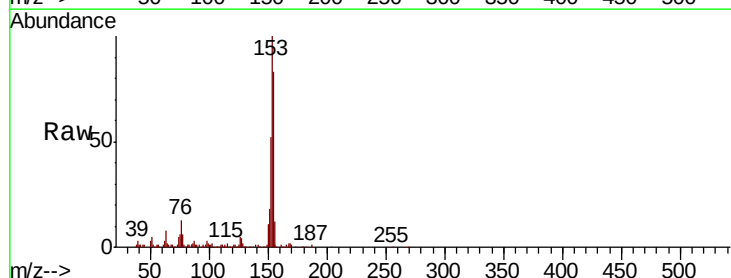
Instrument :
BNA_G
ClientSampleId :
CL-02-053119-E

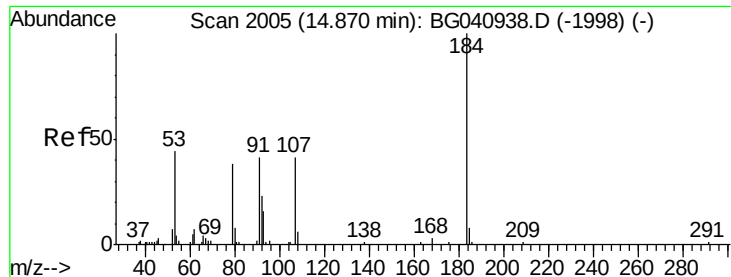
Tgt Ion:165 Resp: 29257
Ion Ratio Lower Upper
165 100
63 1.6 53.6 80.4#
89 2.2 50.4 75.6#



#52
Acenaphthene
Concen: 9.938 ng
RT: 14.82 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

Tgt Ion:154 Resp: 108614
Ion Ratio Lower Upper
154 100
153 119.8 88.6 133.0
152 62.4 44.2 66.4





#54

2,4-Dinitrophenol

Concen: 8.304 ng

RT: 14.83 min Scan# 1999

Delta R.T. -0.04 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

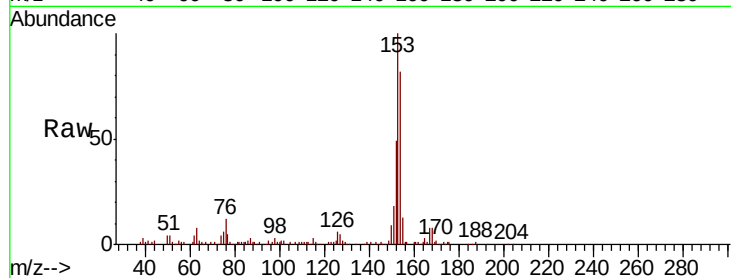
Tgt Ion:184 Resp: 76

Ion Ratio Lower Upper

184 100

63 1625.6 49.8 74.6#

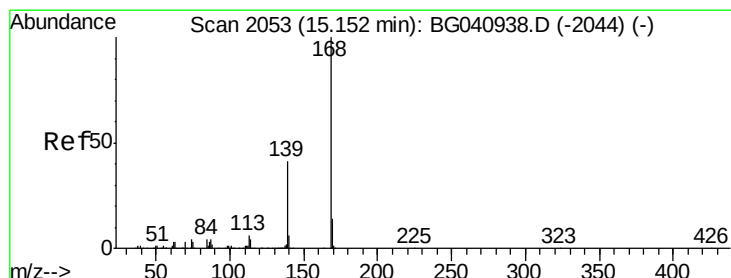
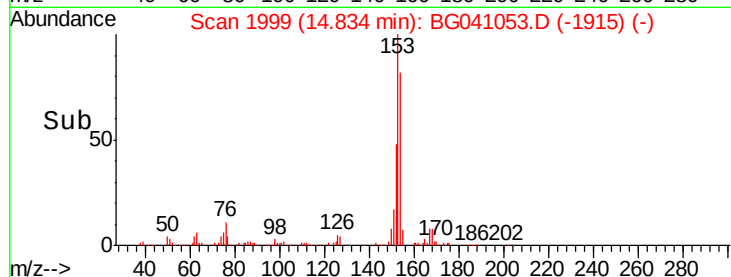
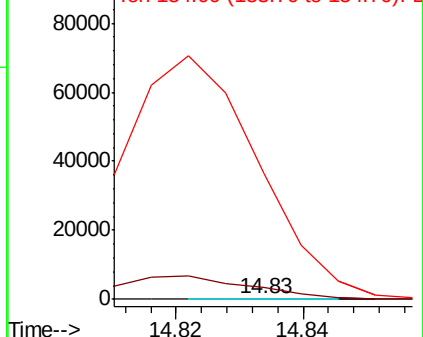
154 16941.4 52.2 78.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#55

Dibenzofuran

Concen: 6.750 ng

RT: 15.15 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

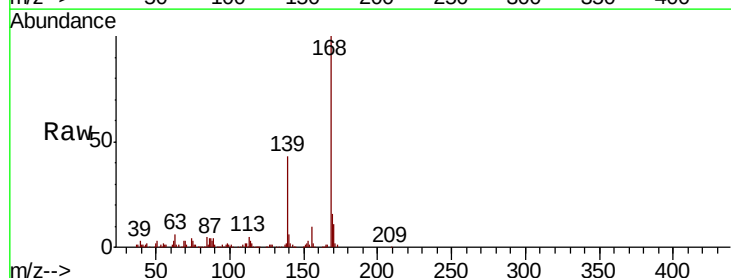
Tgt Ion:168 Resp: 124129

Ion Ratio Lower Upper

168 100

139 42.7 32.8 49.2

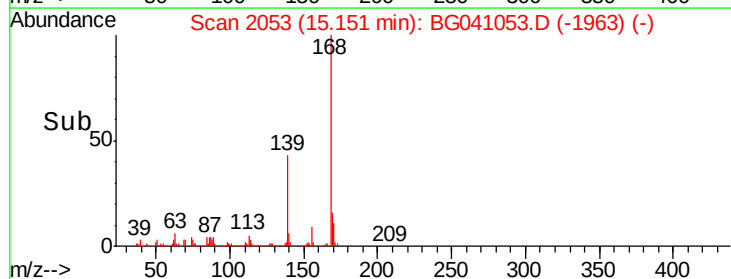
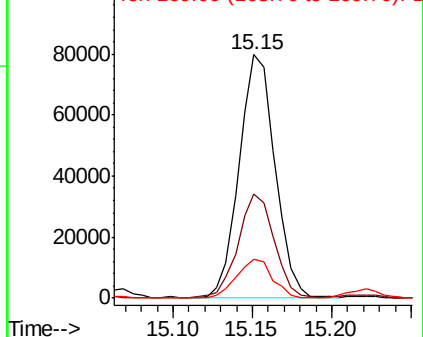
169 15.8 11.3 16.9

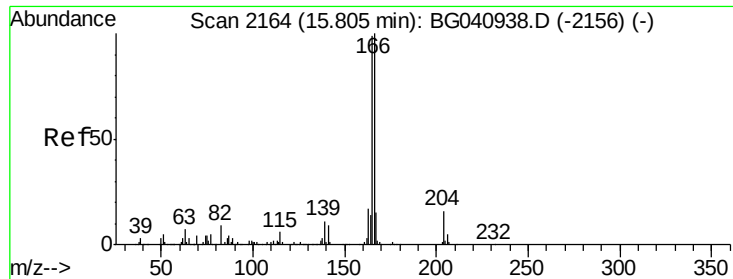


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 14.492 ng

RT: 15.80 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

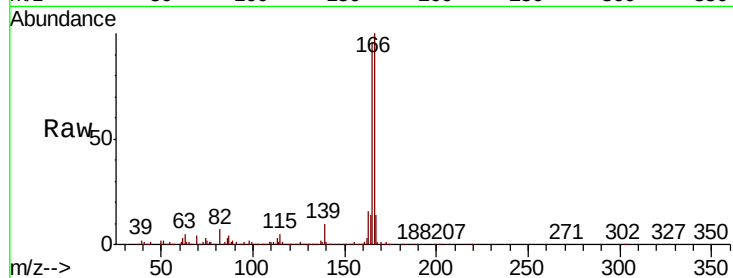
Tgt Ion:166 Resp: 212233

Ion Ratio Lower Upper

166 100

165 95.9 79.2 118.8

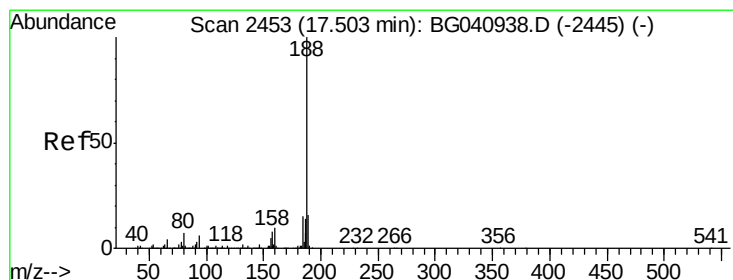
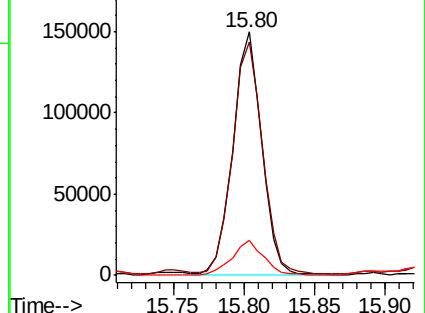
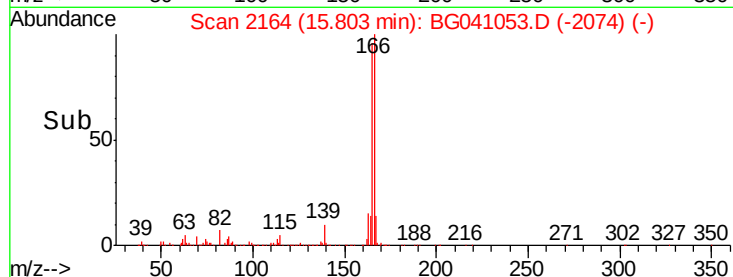
167 14.4 11.8 17.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

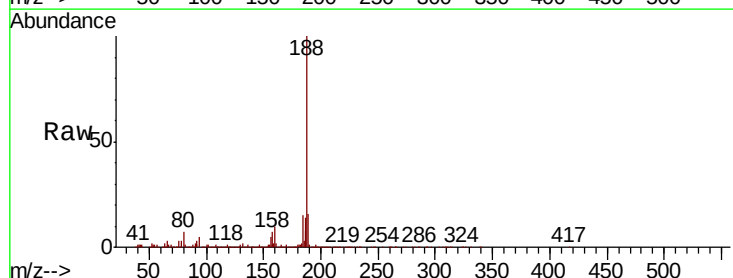
Tgt Ion:188 Resp: 406854

Ion Ratio Lower Upper

188 100

94 5.3 4.7 7.1

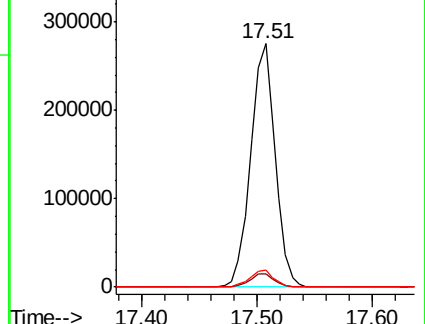
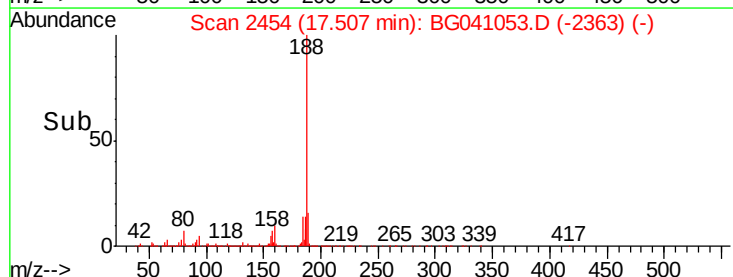
80 6.9 5.8 8.8

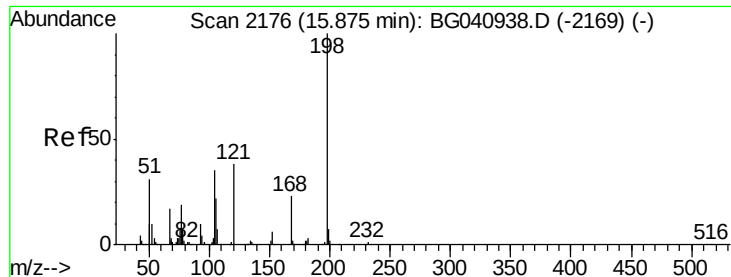


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.613 ng

RT: 15.89 min Scan# 2178

Delta R.T. 0.01 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

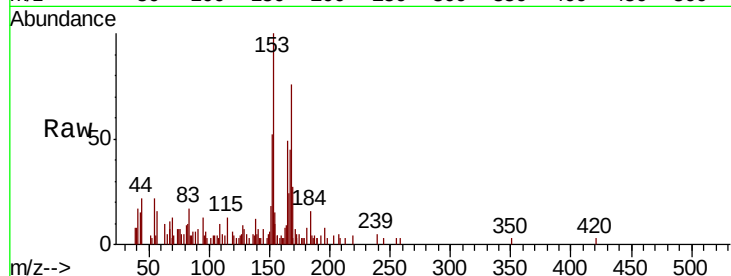
Tgt Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 133.3 21.6 61.6#

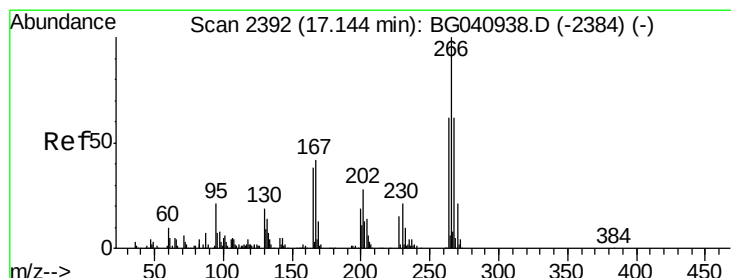
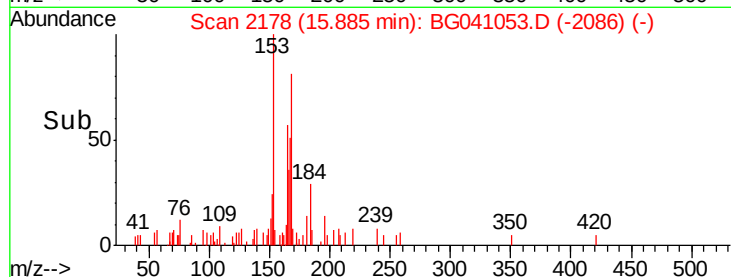
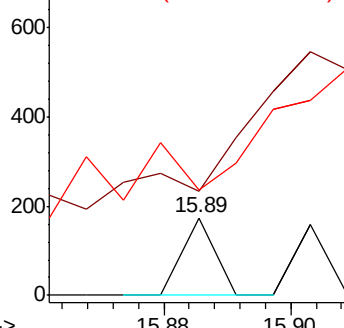
105 135.6 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#70

Pentachlorophenol

Concen: 4.286 ng

RT: 17.18 min Scan# 2399

Delta R.T. 0.04 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

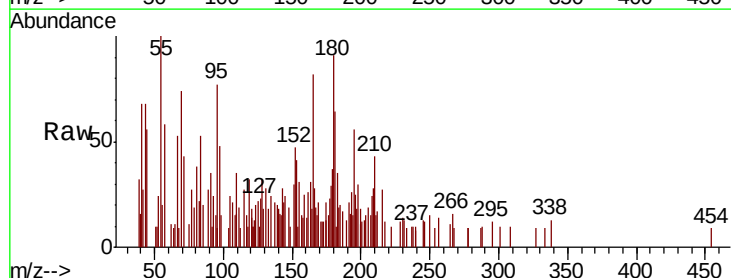
Tgt Ion:266 Resp: 98

Ion Ratio Lower Upper

266 100

268 59.4 53.1 79.7

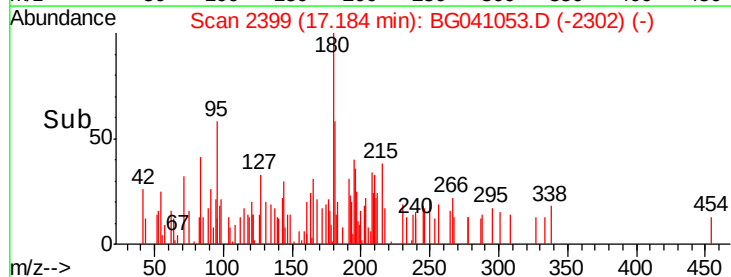
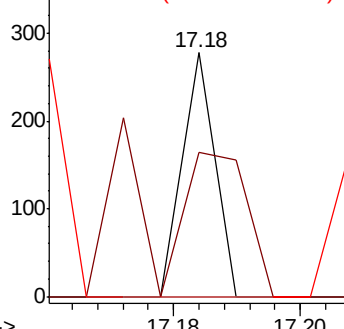
264 0.0 49.9 74.9#

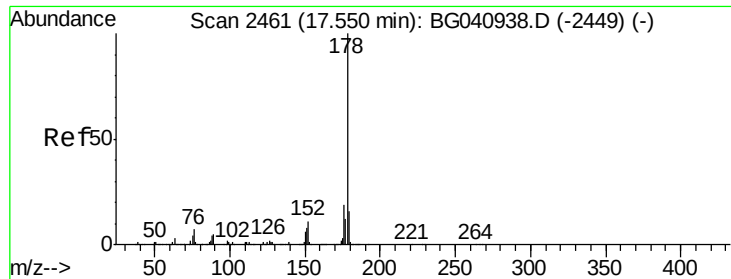


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 58.283 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

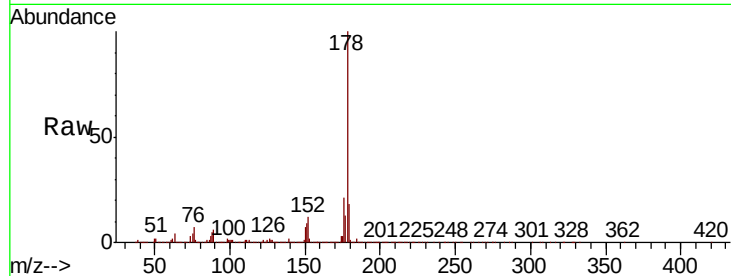
Tgt Ion:178 Resp: 1235156

Ion Ratio Lower Upper

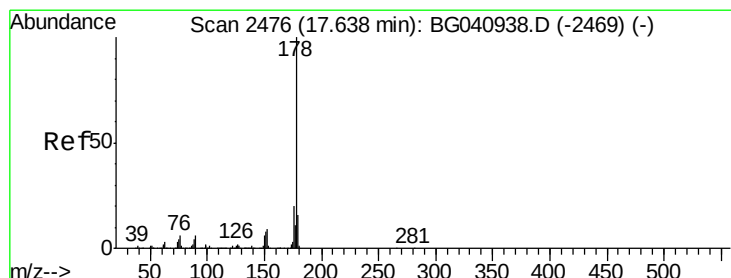
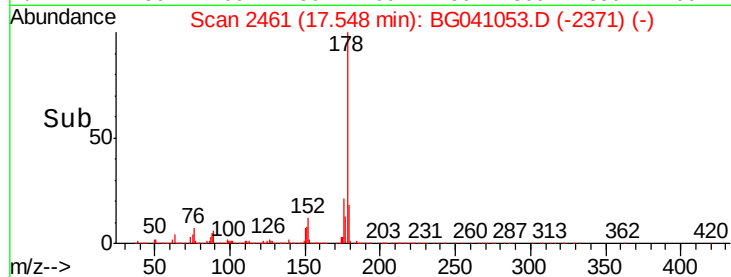
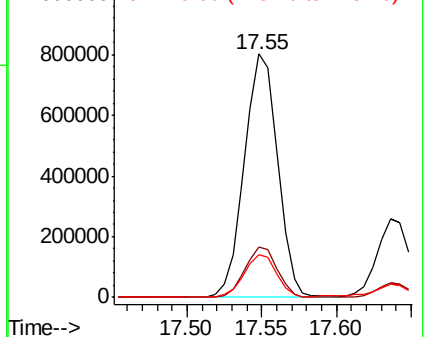
178 100

176 20.9 15.5 23.3

179 17.7 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: 17.864 ng

RT: 17.64 min Scan# 2476

Delta R.T. -0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

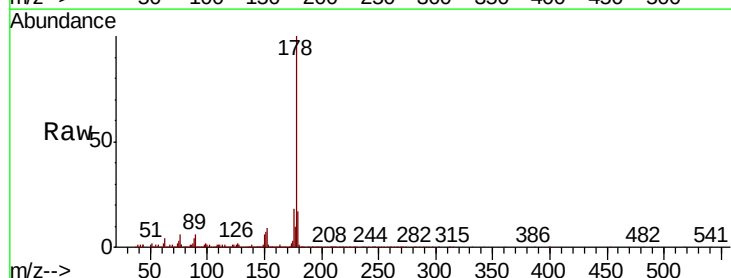
Tgt Ion:178 Resp: 373381

Ion Ratio Lower Upper

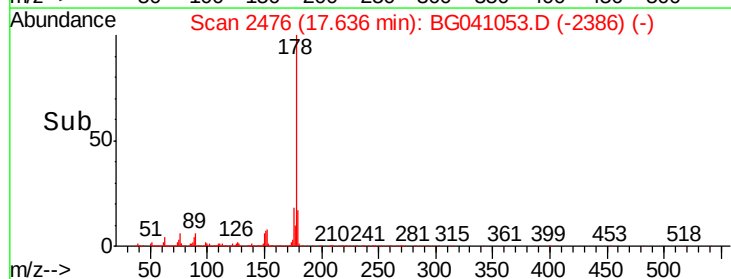
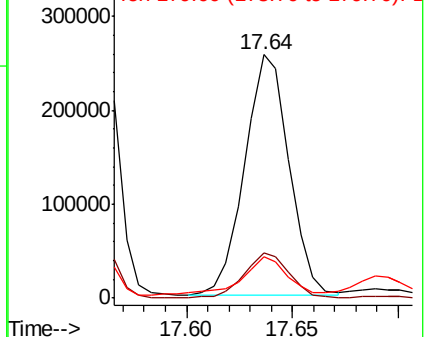
178 100

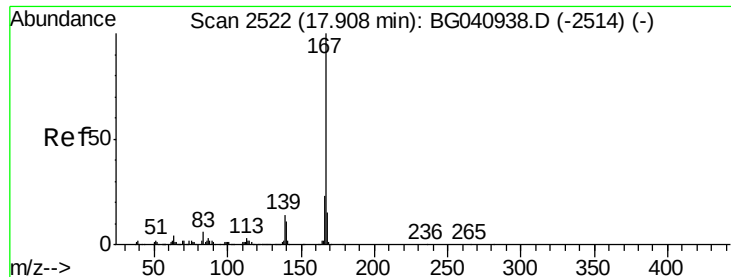
176 18.3 15.6 23.4

179 16.8 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





#73

Carbazole

Concen: 4.845 ng

RT: 17.91 min Scan# 2522

Delta R.T. -0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

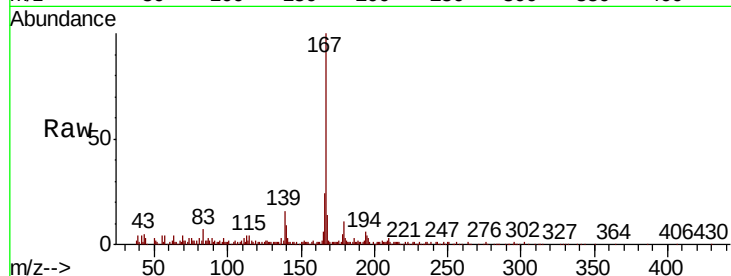
Tgt Ion:167 Resp: 86884

Ion Ratio Lower Upper

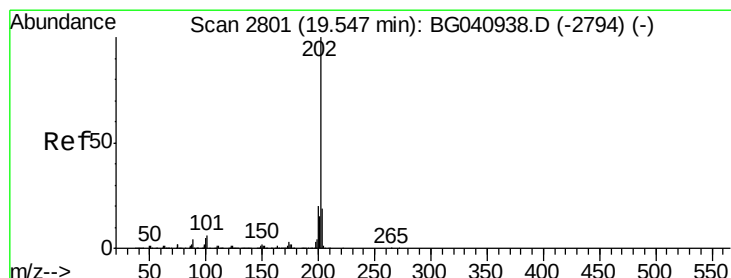
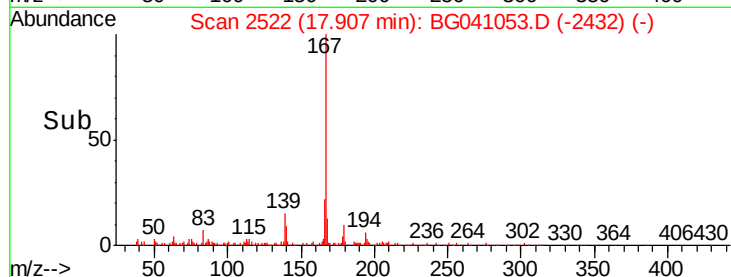
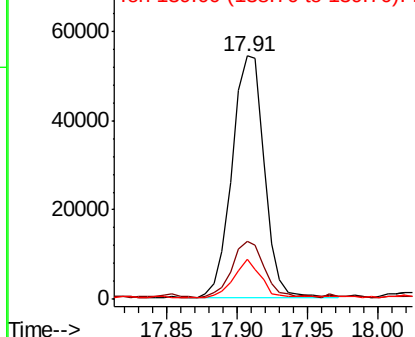
167 100

166 23.7 18.2 27.4

139 16.3 10.8 16.2#



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 50.970 ng

RT: 19.55 min Scan# 2802

Delta R.T. 0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

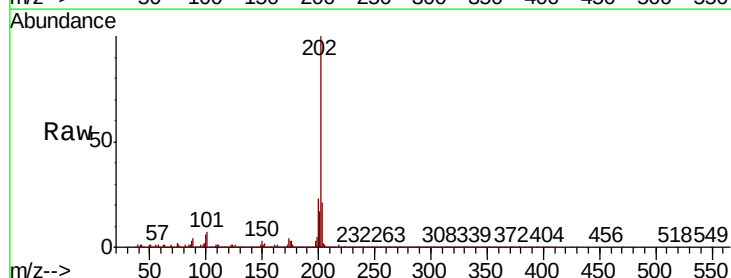
Tgt Ion:202 Resp: 1334195

Ion Ratio Lower Upper

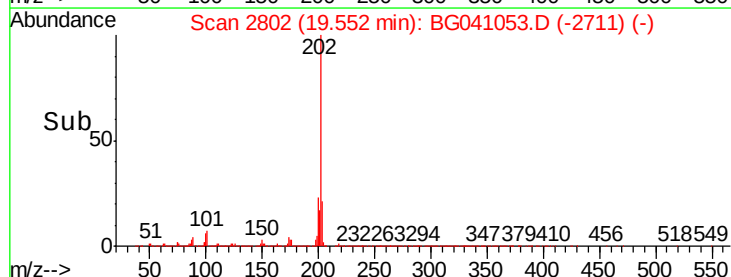
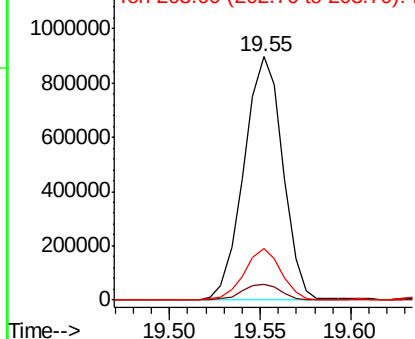
202 100

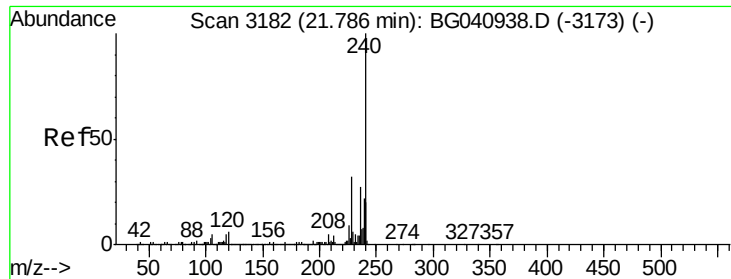
101 6.6 0.0 26.2

203 21.0 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

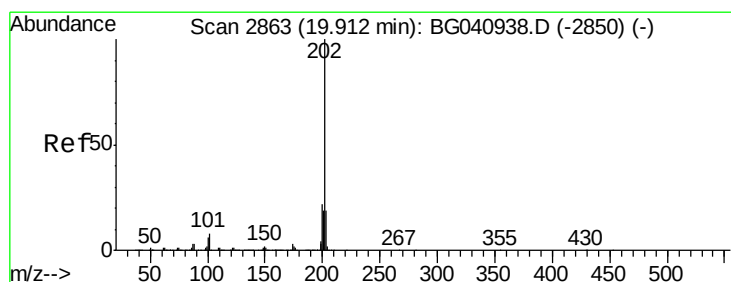
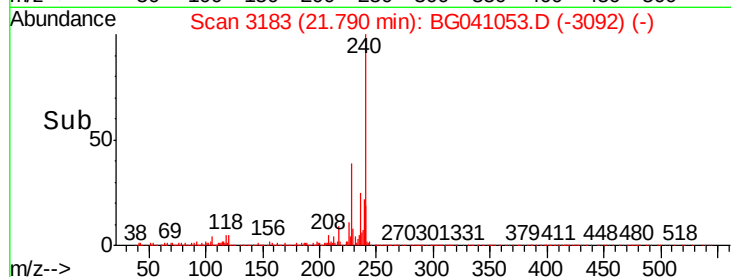
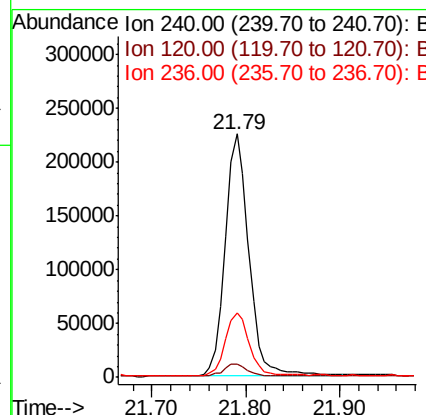
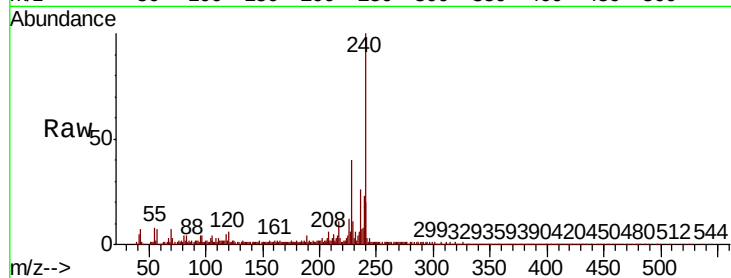




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

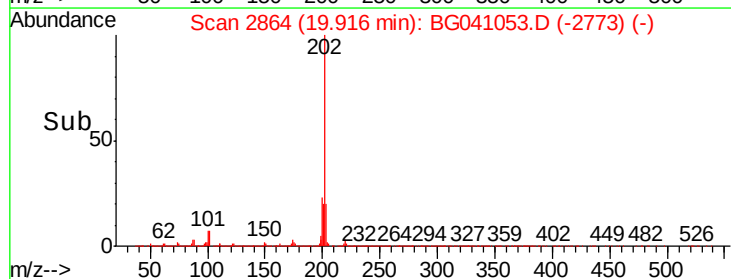
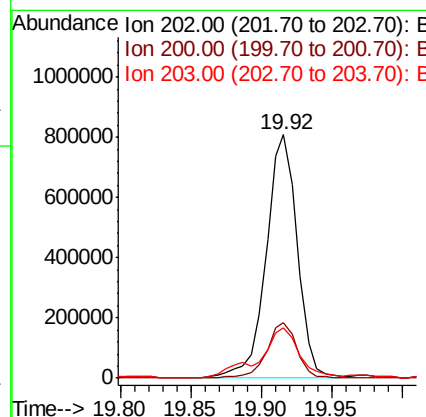
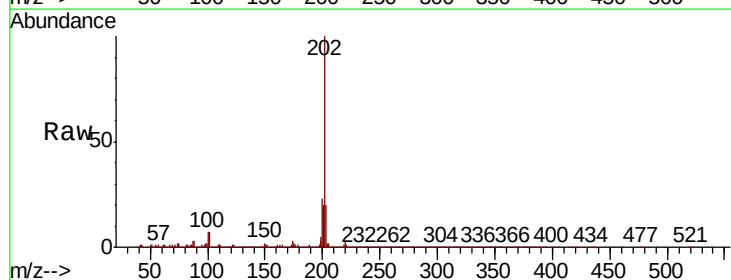
Instrument :
BNA_G
ClientSampleId :
CL-02-053119-E

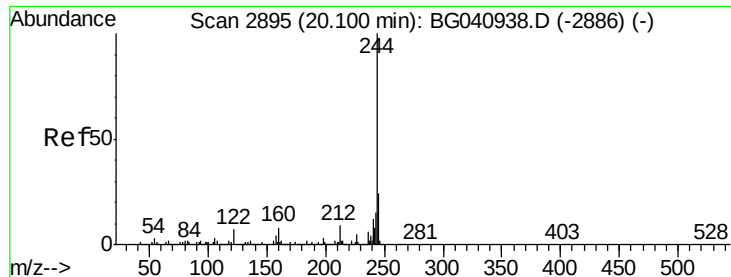
Tgt Ion:240 Resp: 395604
Ion Ratio Lower Upper
240 100
120 5.6 4.5 6.7
236 26.3 21.3 31.9



#78
Pyrene
Concen: 48.360 ng
RT: 19.92 min Scan# 2864
Delta R.T. 0.00 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

Tgt Ion:202 Resp: 1243658
Ion Ratio Lower Upper
202 100
200 22.9 17.5 26.3
203 20.4 15.6 23.4





#79

Terphenyl-d14

Concen: 26.498 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

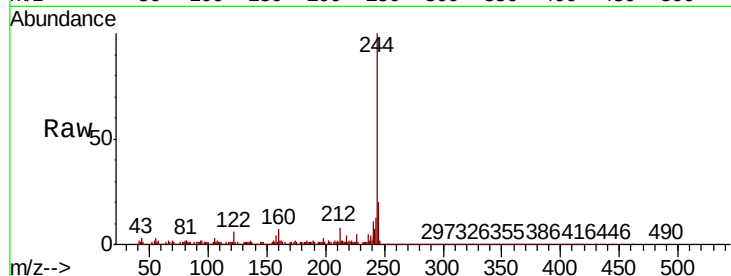
Tgt Ion:244 Resp: 493918

Ion Ratio Lower Upper

244 100

212 7.8 7.0 10.4

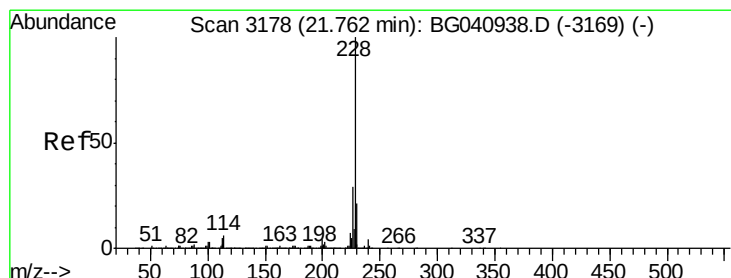
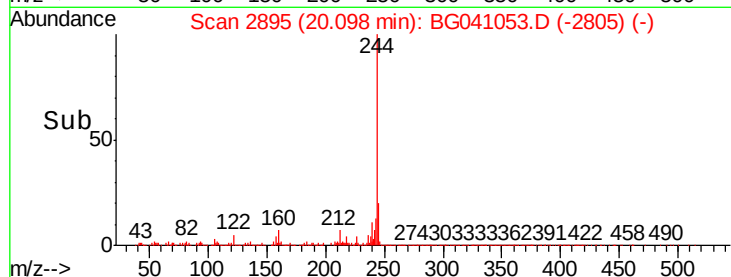
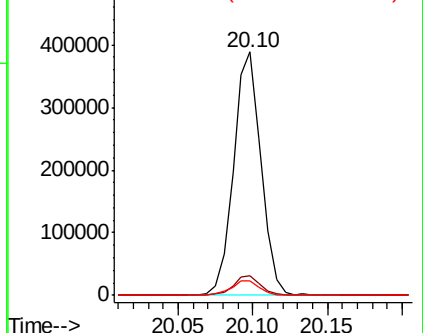
122 5.8 5.4 8.0



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: 23.252 ng

RT: 21.77 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

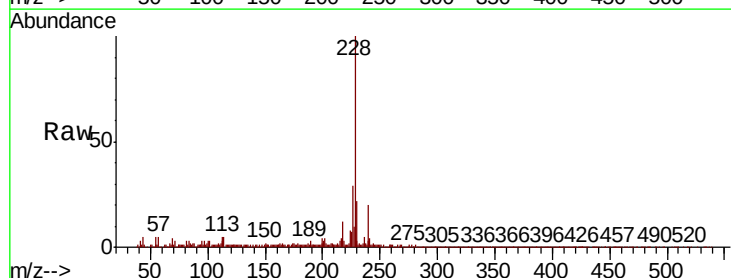
Tgt Ion:228 Resp: 612320

Ion Ratio Lower Upper

228 100

226 28.8 23.5 35.3

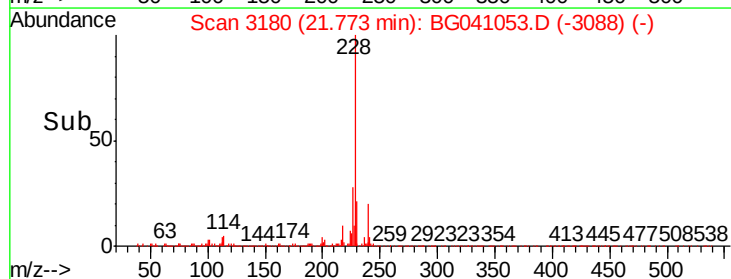
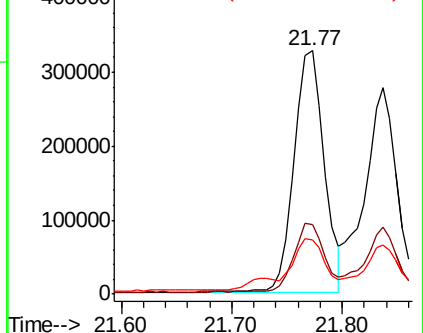
229 22.4 16.7 25.1

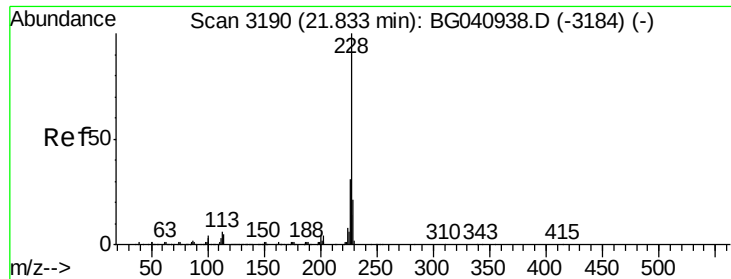


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 22.644 ng

RT: 21.84 min Scan# 3191

Delta R.T. 0.00 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

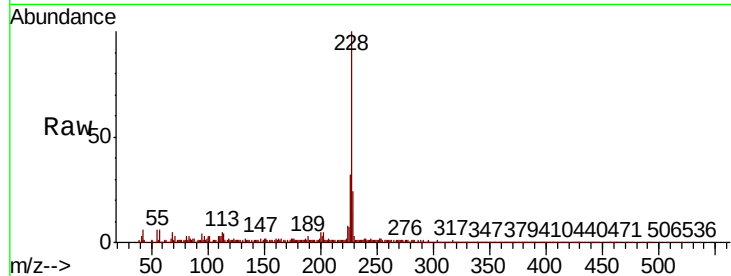
Tgt Ion:228 Resp: 570642

Ion Ratio Lower Upper

228 100

226 32.3 24.6 37.0

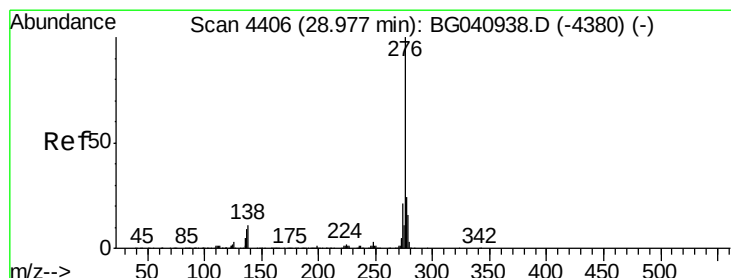
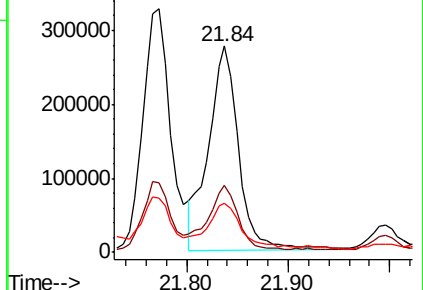
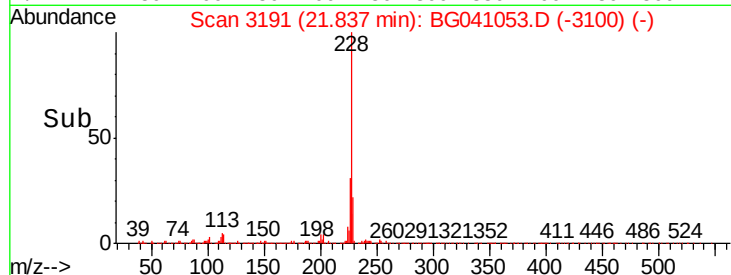
229 23.8 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.069 ng

RT: 29.00 min Scan# 4410

Delta R.T. 0.02 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

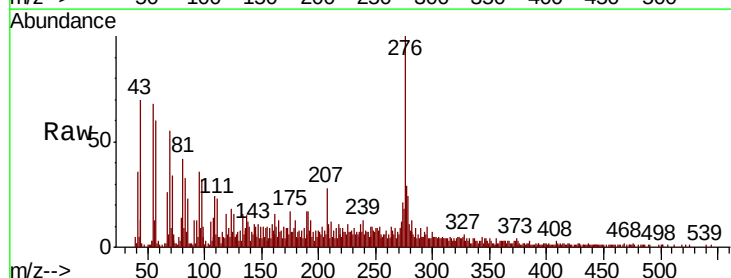
Tgt Ion:276 Resp: 94732

Ion Ratio Lower Upper

276 100

138 5.3 5.7 8.5#

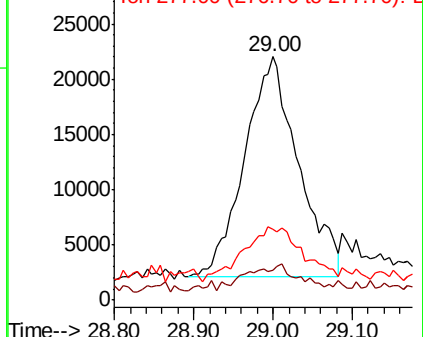
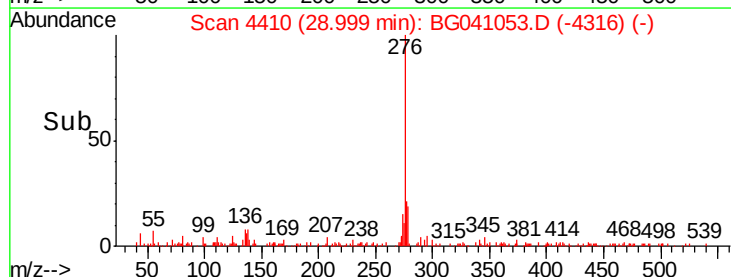
277 27.3 20.8 31.2

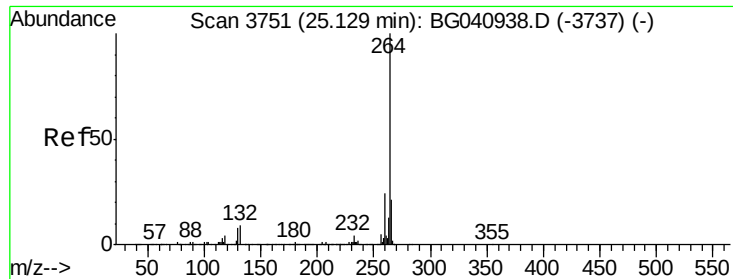


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

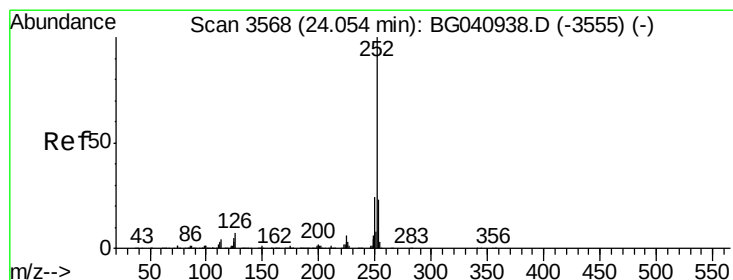
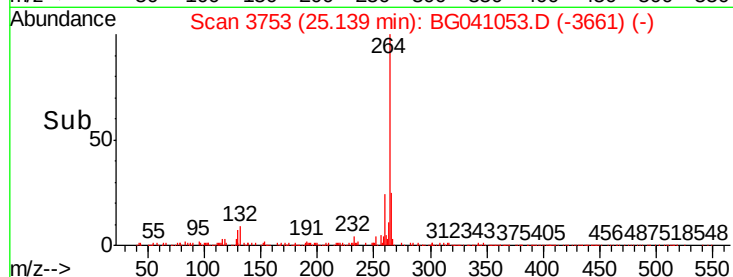
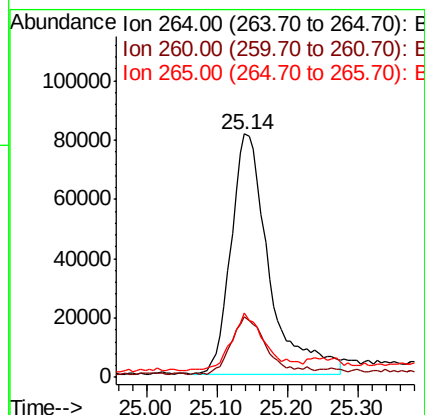
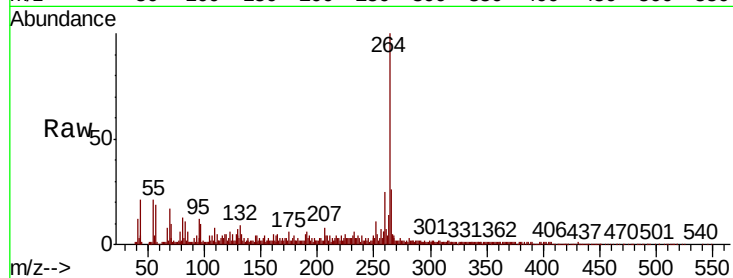




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.14 min Scan# 3753
Delta R.T. 0.01 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

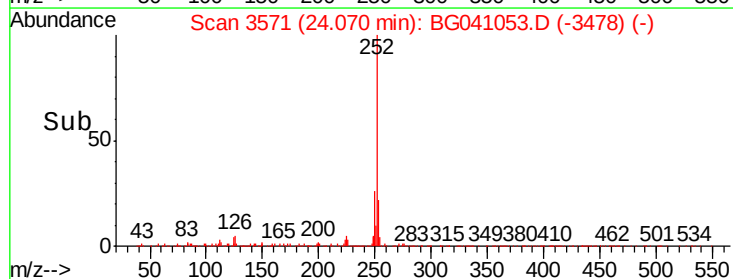
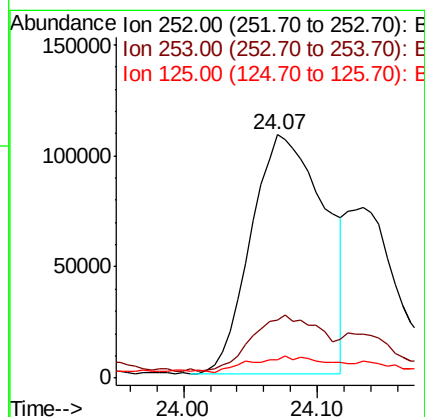
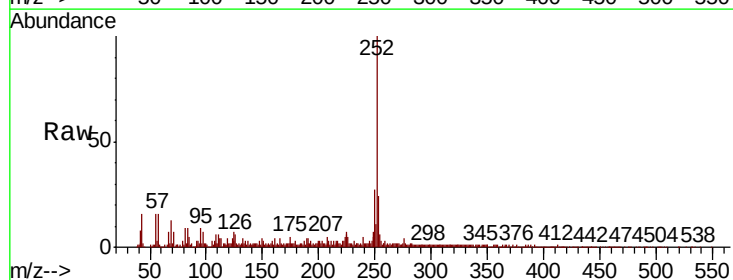
Instrument :
BNA_G
ClientSampleId :
CL-02-053119-E

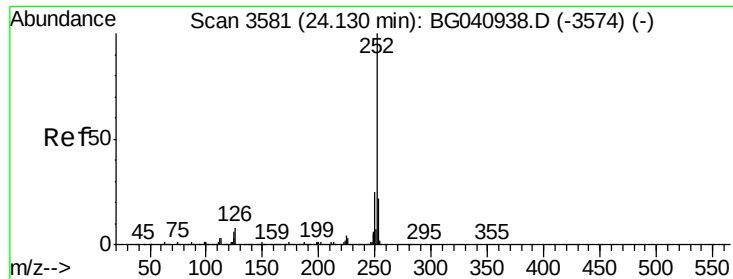
Tgt Ion:264 Resp: 305357
Ion Ratio Lower Upper
264 100
260 25.0 19.0 28.4
265 26.4 17.0 25.4#



#88
Benzo(b)fluoranthene
Concen: 22.191 ng
RT: 24.07 min Scan# 3571
Delta R.T. 0.02 min
Lab File: BG041053.D
Acq: 4 Jun 2019 3:01

Tgt Ion:252 Resp: 410995
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 7.5 4.3 6.5#





#89

Benzo(k)fluoranthene

Concen: 22.425 ng

RT: 24.07 min Scan# 3571

Delta R.T. -0.06 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

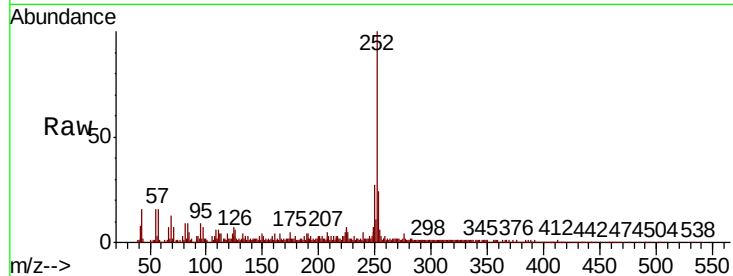
Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

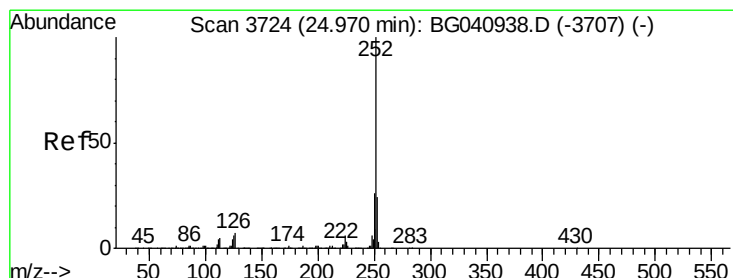
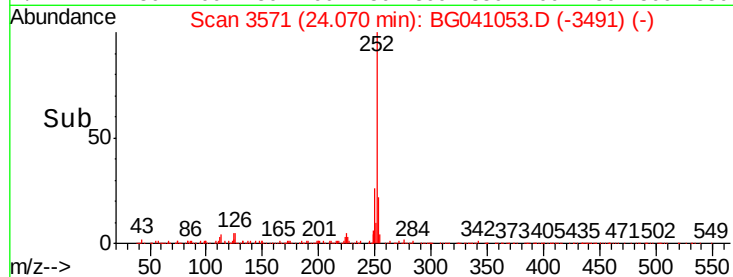
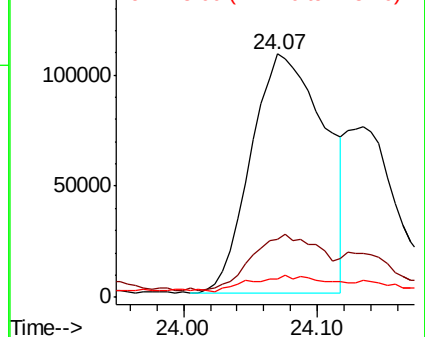
Tgt Ion:	252	Resp:	410995
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.8	26.6
125	7.5	4.7	7.1#



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: 16.852 ng

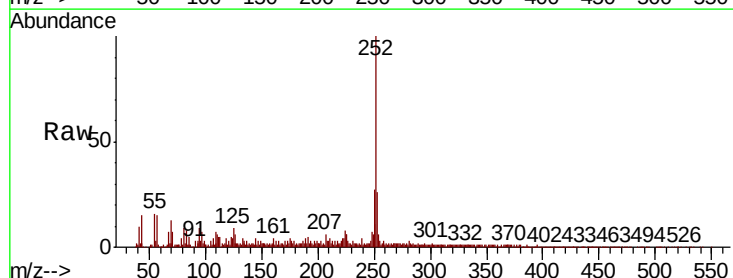
RT: 24.98 min Scan# 3726

Delta R.T. 0.01 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

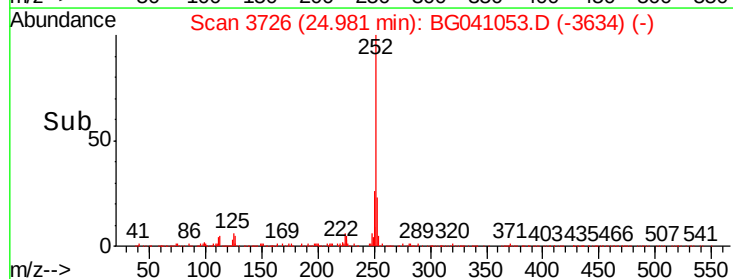
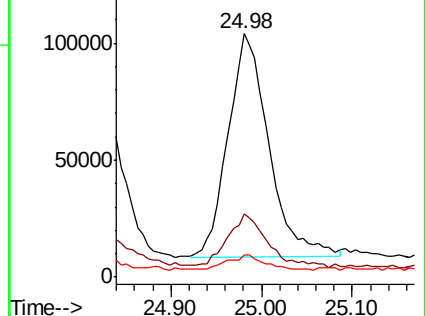
Tgt Ion:	252	Resp:	297786
Ion Ratio	Lower	Upper	
252	100		
253	25.9	19.5	29.3
125	8.9	5.1	7.7#

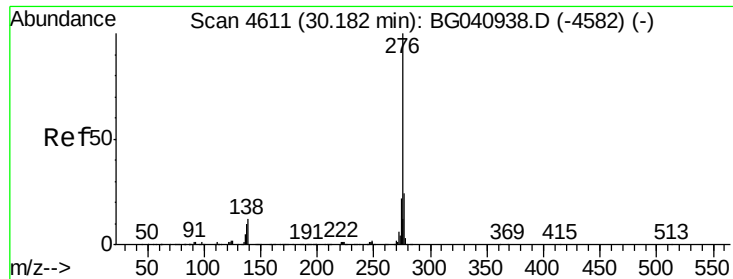


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.478 ng

RT: 30.21 min Scan# 4616

Delta R.T. 0.03 min

Lab File: BG041053.D

Acq: 4 Jun 2019 3:01

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-E

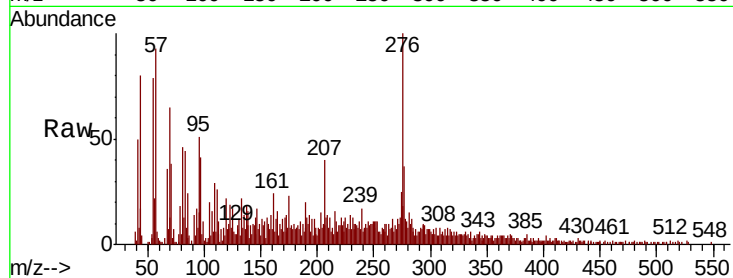
Tgt Ion: 276 Resp: 76807

Ion Ratio Lower Upper

276 100

277 37.4 19.4 29.0#

138 16.4 9.7 14.5#



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

