

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
 Data File : BG041054.D
 Acq On : 4 Jun 2019 3:39
 Operator : HP/JU
 Sample : K2641-15 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jun 04 08:09:12 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	72599	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	294313	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	193276	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	412174	20.00	ng	0.00
76) Chrysene-d12	21.78	240	387790	20.00	ng	0.00
87) Perylene-d12	25.14	264	302284	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	213720	53.08	ng	0.00
7) Phenol-d6	7.27	99	321174	51.65	ng	0.00
23) Nitrobenzene-d5	9.30	82	221501	33.41	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	141440	49.29	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	477611	35.59	ng	0.00
79) Terphenyl-d14	20.10	244	640718	35.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	32122	6.713	ng	Qvalue # 71
32) Benzoic acid	10.42	122	65	8.145	ng	# 1
41) Hexachlorocyclopentadiene	12.78	237	54	8.247	ng	# 26
50) Dimethylphthalate	14.20	163	33896	2.072	ng	# 93
51) 2,6-Dinitrotoluene	14.76	165	25690	7.283	ng	# 20
54) 2,4-Dinitrophenol	14.97	184	72	8.300	ng	# 18
57) 2,4-Dinitrotoluene	14.76	165	25690	5.156	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.96	198	60	8.612	ng	# 36
70) Pentachlorophenol	16.95	266	160	4.304	ng	91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.13 min Scan# 858

Delta R.T. -0.00 min

Lab File: BG041054.D

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Instrument :

BNA_G

ClientSampleId :

CL-02-053119-B

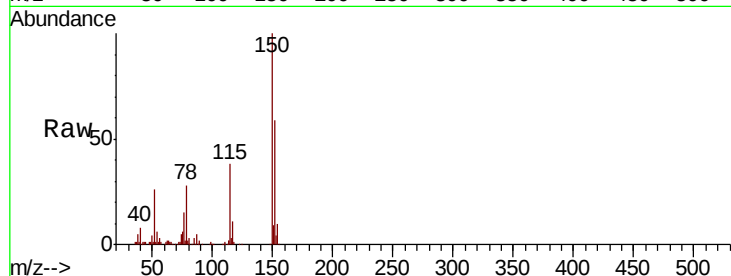
Tgt Ion:152 Resp: 72599

Ion Ratio Lower Upper

152 100

150 170.1 120.6 180.8

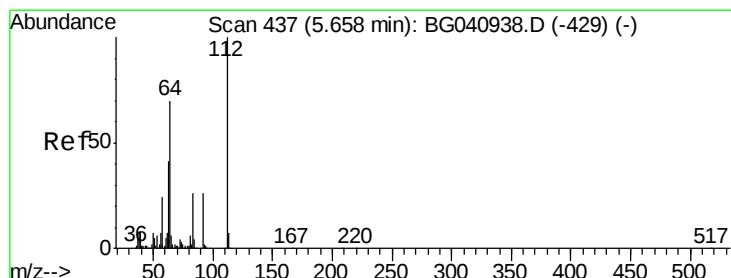
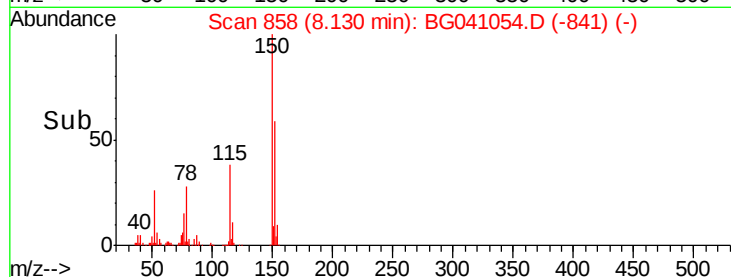
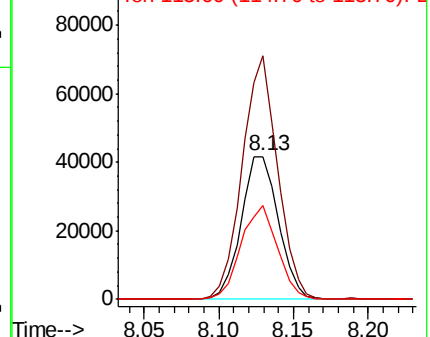
115 65.5 45.1 67.7



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: 53.084 ng

RT: 5.66 min Scan# 438

Delta R.T. 0.00 min

Lab File: BG041054.D

Acq: 4 Jun 2019 3:39

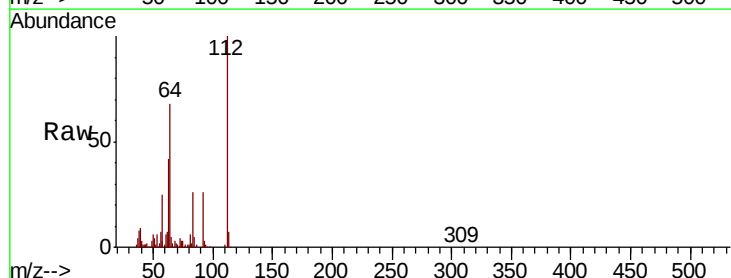
Tgt Ion:112 Resp: 213720

Ion Ratio Lower Upper

112 100

64 67.6 56.2 84.2

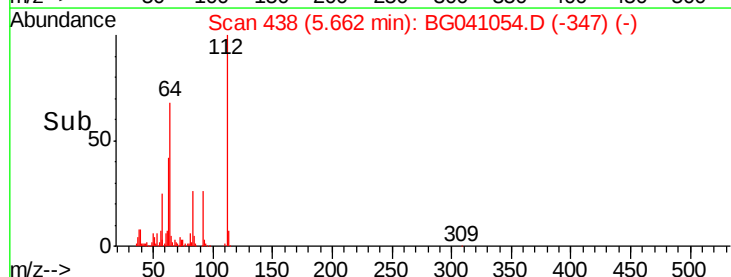
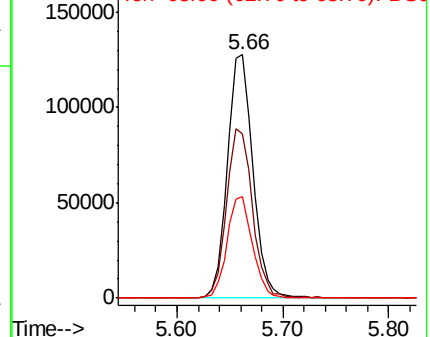
63 41.6 32.8 49.2

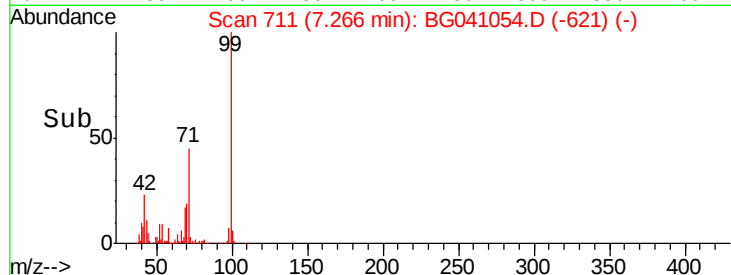
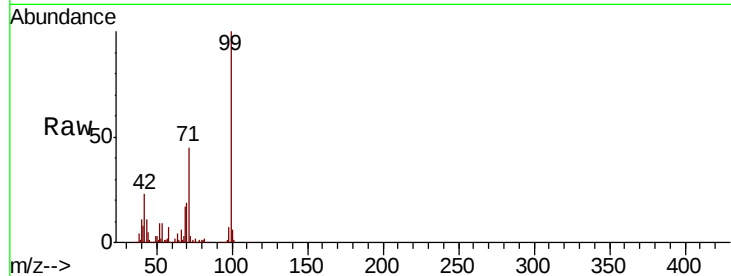


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 51.653 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041054.D

Acq: 4 Jun 2019 3:39

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-B

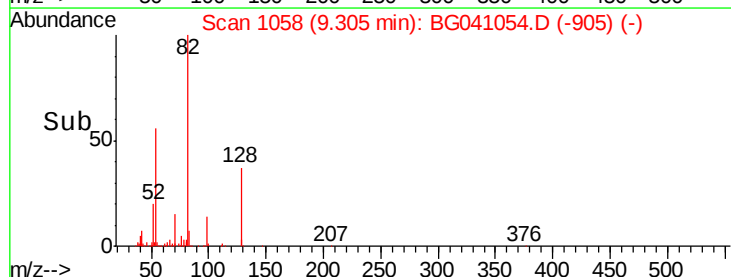
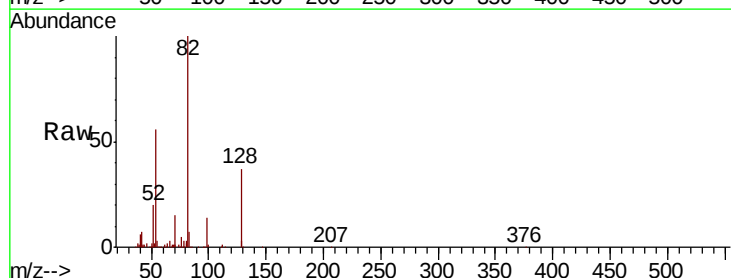
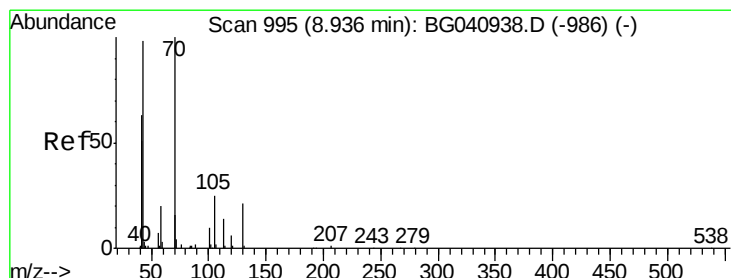
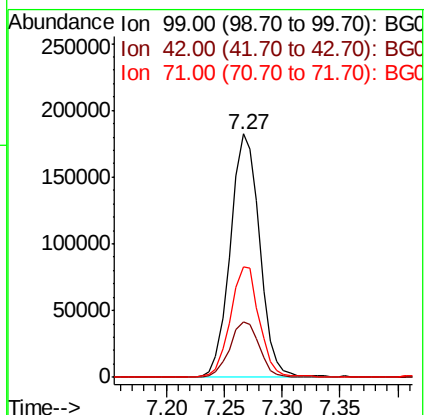
Tgt Ion: 99 Resp: 321174

Ion Ratio Lower Upper

99 100

42 22.7 17.9 26.9

71 45.5 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.713 ng

RT: 9.30 min Scan# 1058

Delta R.T. 0.37 min

Lab File: BG041054.D

Acq: 4 Jun 2019 3:39

Tgt Ion: 70 Resp: 32122

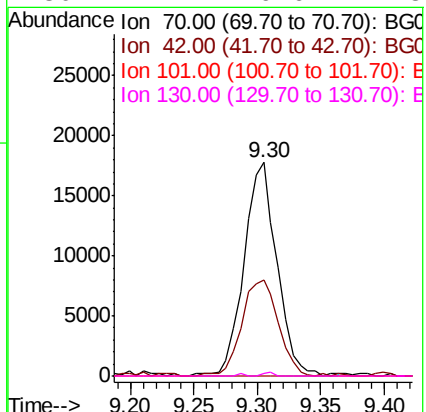
Ion Ratio Lower Upper

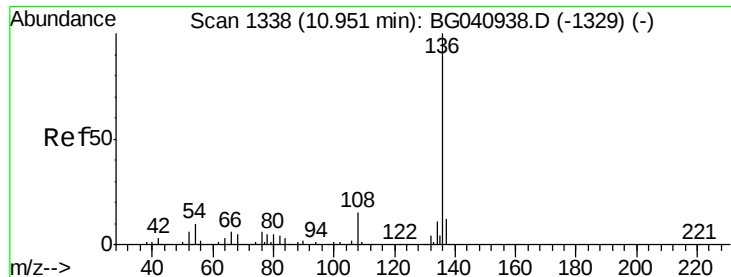
70 100

42 45.0 51.5 77.3#

101 0.0 8.1 12.1#

130 1.1 16.6 24.8#

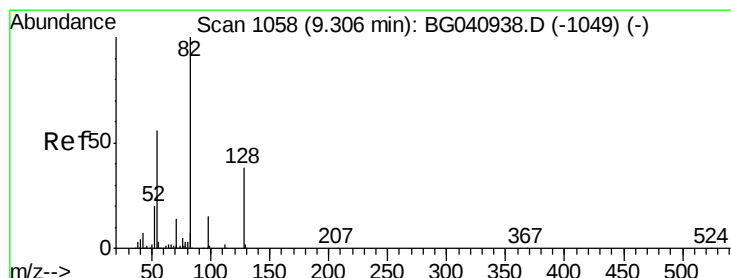
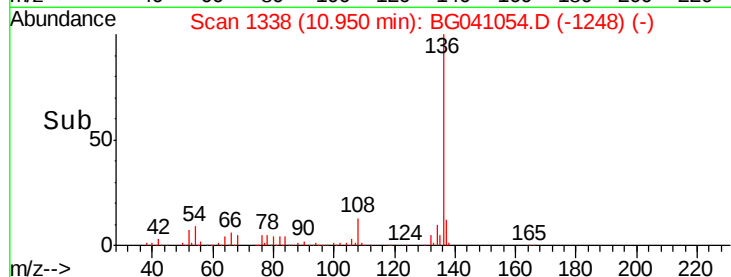
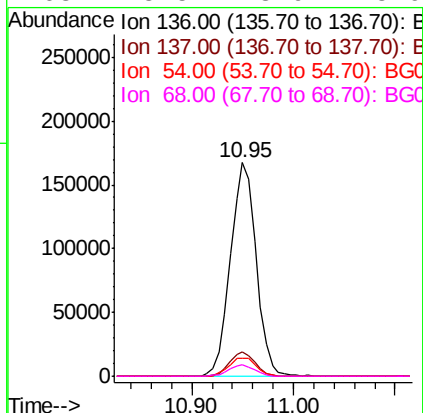
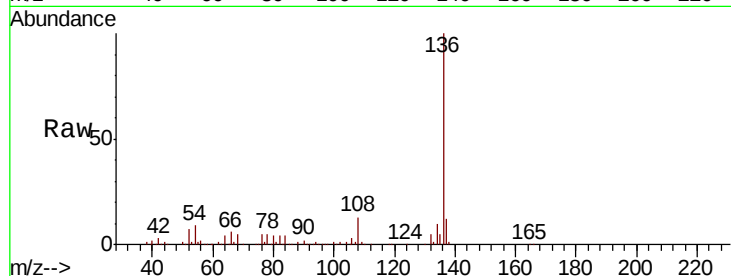




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG041054.D
Acq: 4 Jun 2019 3:39

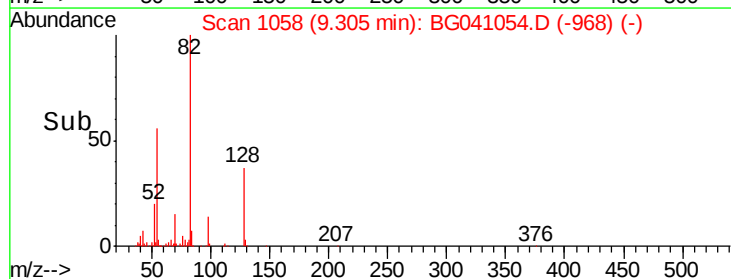
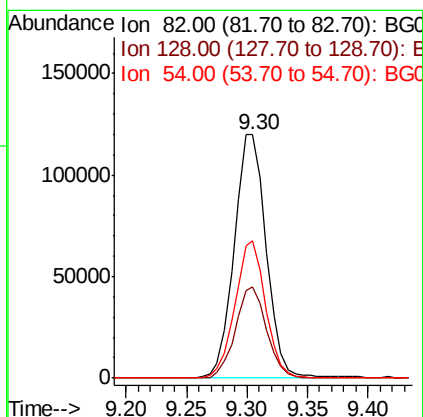
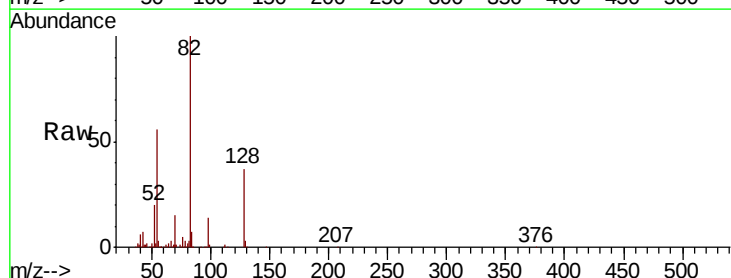
Instrument :
BNA_G
ClientSampleId :
CL-02-053119-B

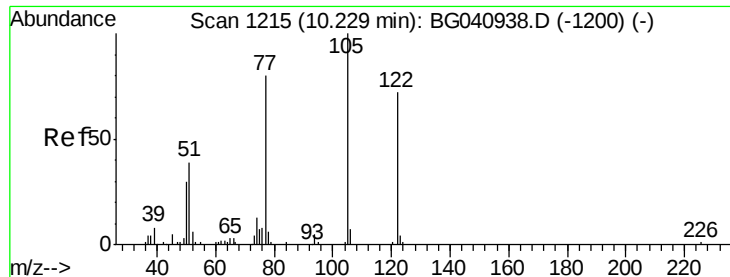
Tgt Ion:	136	Resp:	294313
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.5	14.3
54	8.6	7.6	11.4
68	5.5	3.9	5.9



#23
Nitrobenzene-d5
Concen: 33.411 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BG041054.D
Acq: 4 Jun 2019 3:39

Tgt Ion:	82	Resp:	221501
Ion Ratio	Lower	Upper	
82	100		
128	37.4	30.5	45.7
54	56.3	44.6	66.8

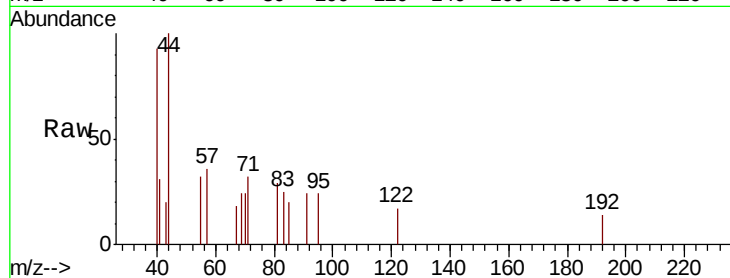




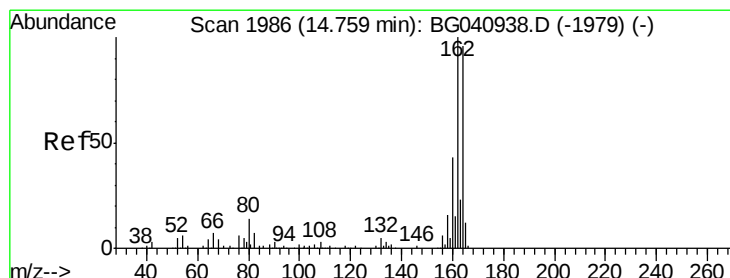
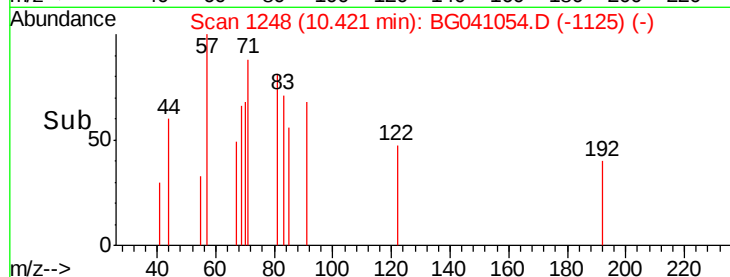
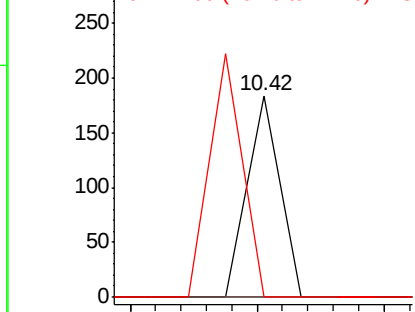
#32
Benzoic acid
Concen: 8.145 ng
RT: 10.42 min Scan# 1248
Delta R.T. 0.19 min
Lab File: BG041054.D
Acq: 4 Jun 2019 3:39

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

Tgt Ion:122 Resp: 65
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 0.0 89.9 129.9#

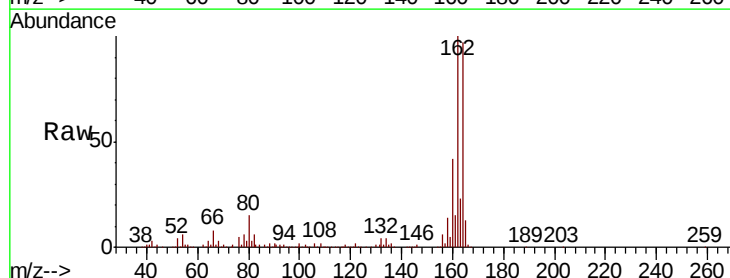


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

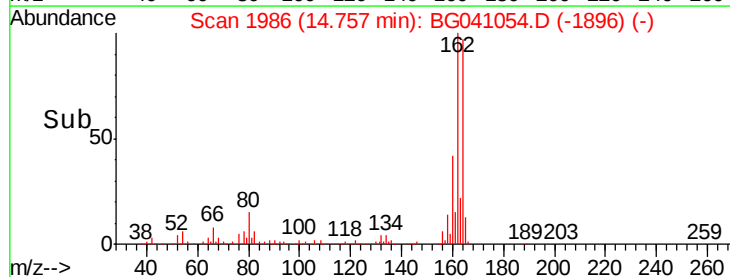
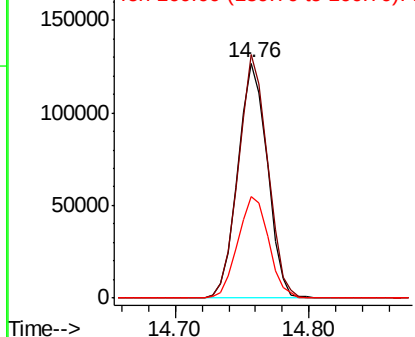


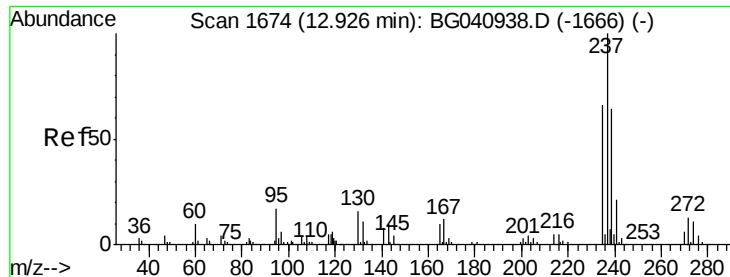
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG041054.D
Acq: 4 Jun 2019 3:39

Tgt Ion:164 Resp: 193276
Ion Ratio Lower Upper
164 100
162 103.6 83.0 124.4
160 43.5 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: 8.247 ng

RT: 12.78 min Scan# 1649

Delta R.T. -0.15 min

Lab File: BG041054.D

Acq: 4 Jun 2019 3:39

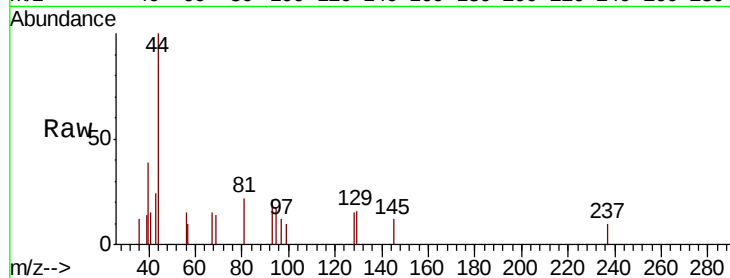
Instrument :

BNA_G

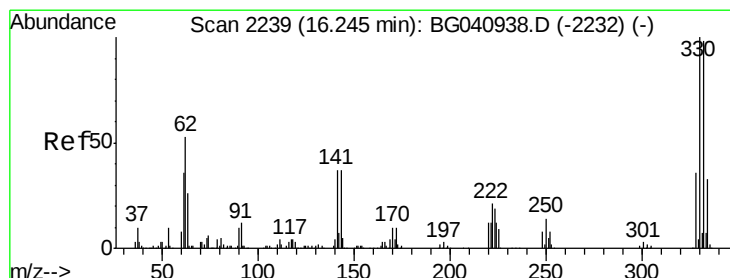
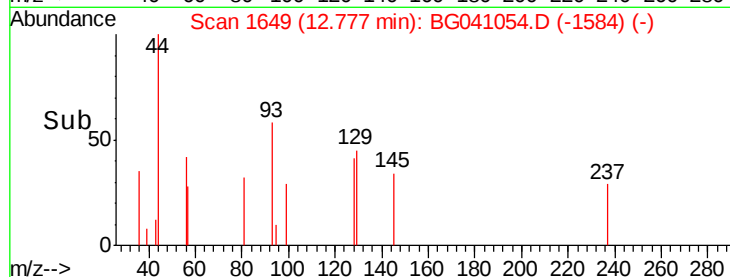
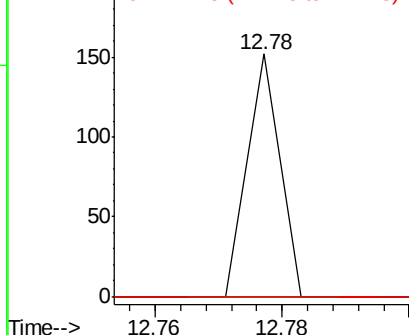
ClientSampleId :

CL-02-053119-B

Tgt Ion:	237	Resp:	54
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: 49.294 ng

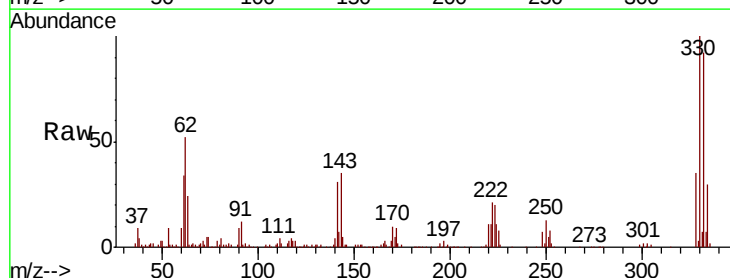
RT: 16.24 min Scan# 2239

Delta R.T. -0.00 min

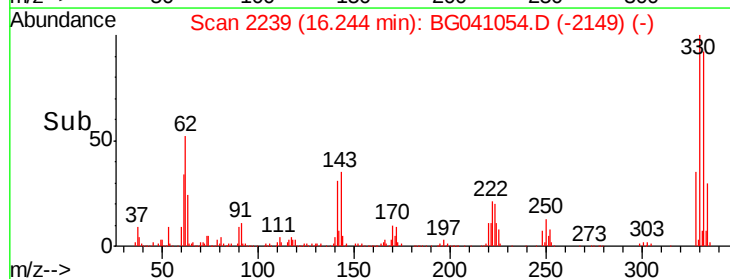
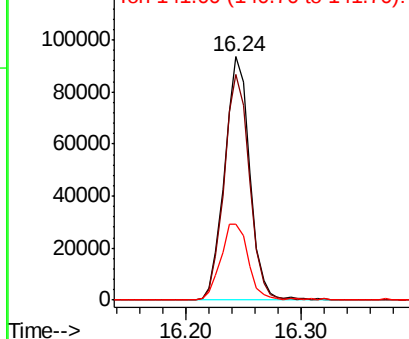
Lab File: BG041054.D

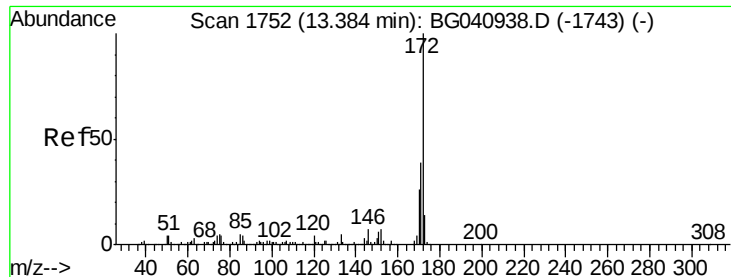
Acq: 4 Jun 2019 3:39

Tgt Ion:	330	Resp:	141440
Ion Ratio	Lower	Upper	
330	100		
332	93.1	78.5	117.7
141	33.8	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

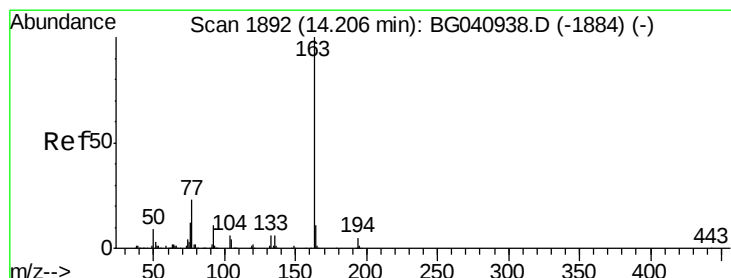
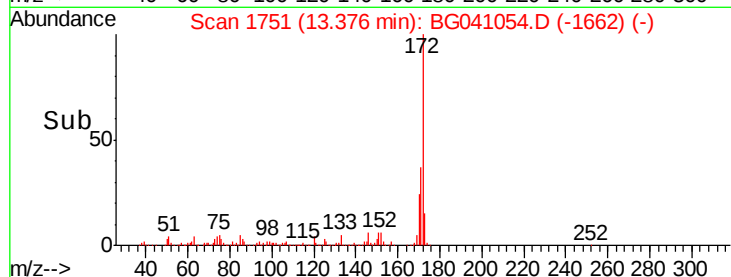
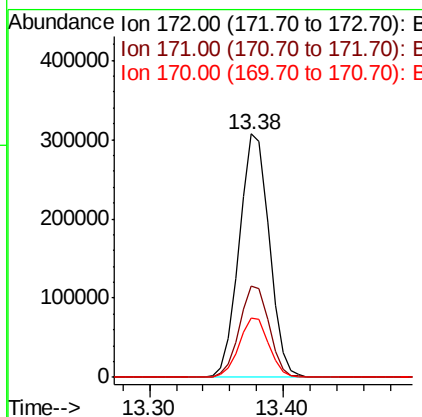
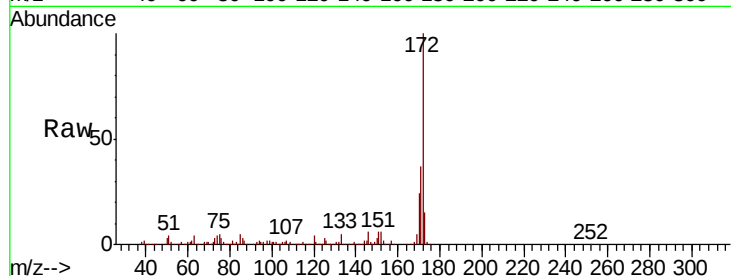




#45
2-Fluorobiphenyl
Concen: 35.587 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041054.D
Acq: 4 Jun 2019 3:39

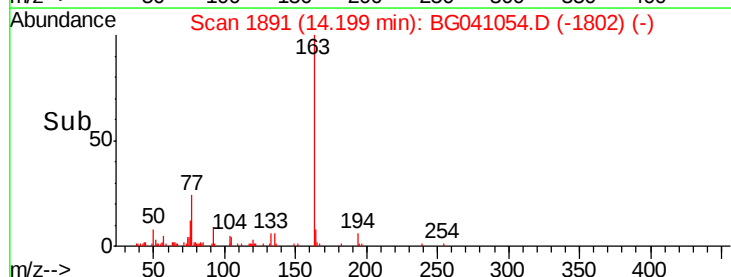
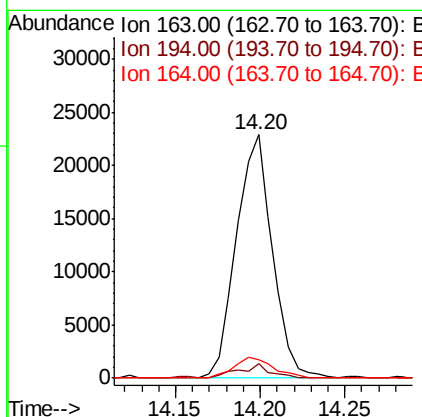
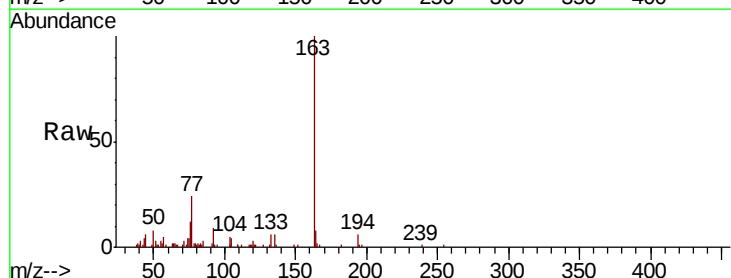
Instrument :
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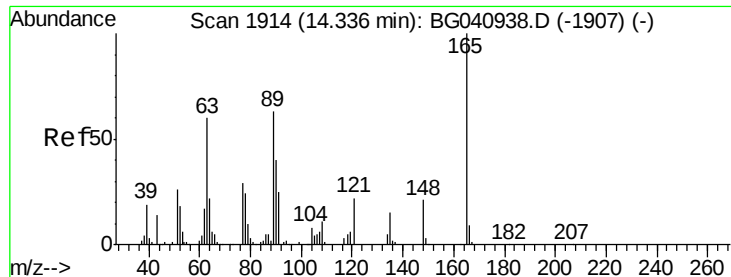
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.1	46.7
170	24.3	20.5	30.7



#50
Dimethylphthalate
Concen: 2.072 ng
RT: 14.20 min Scan# 1891
Delta R.T. -0.01 min
Lab File: BG041054.D
Acq: 4 Jun 2019 3:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.1	3.8	5.8#
164	7.5	8.7	13.1#

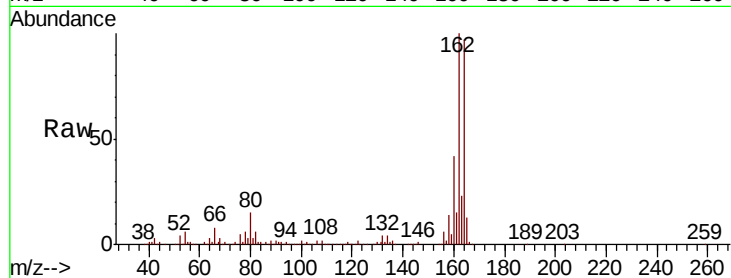




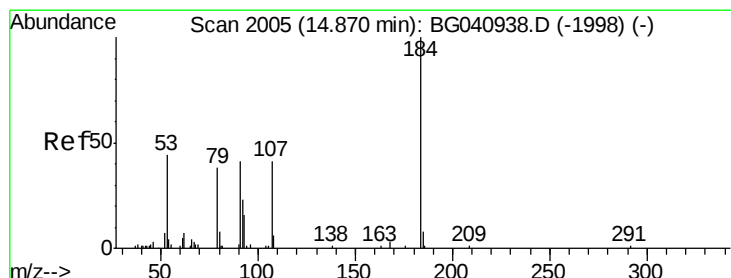
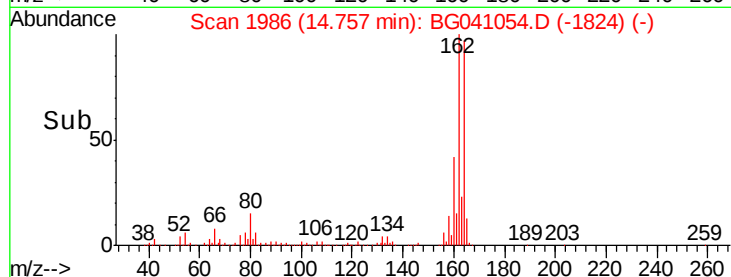
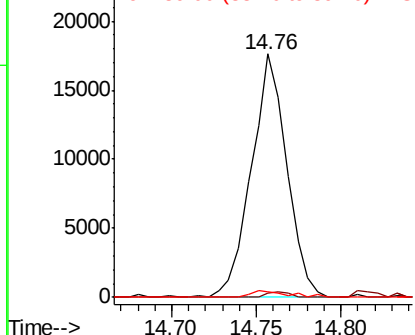
#51
 2,6-Dinitrotoluene
 Concen: 7.283 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. 0.42 min
 Lab File: BG041054.D
 Acq: 4 Jun 2019 3:39

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

Tgt Ion:165 Resp: 25690
 Ion Ratio Lower Upper
 165 100
 63 1.8 53.6 80.4#
 89 2.4 50.4 75.6#

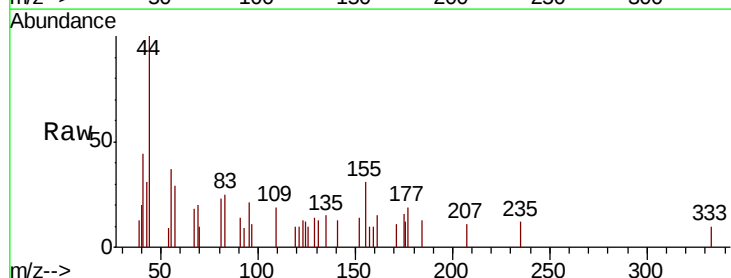


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

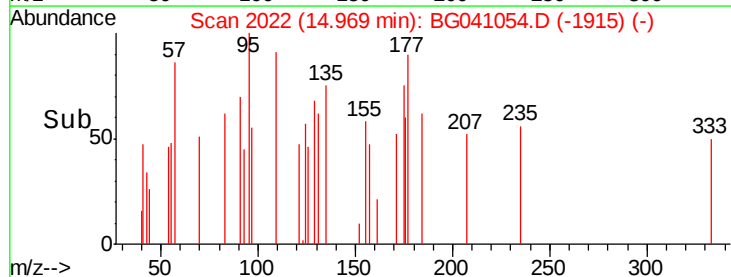
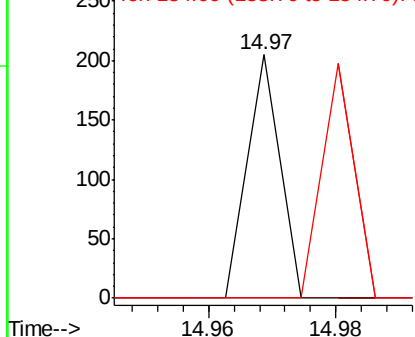


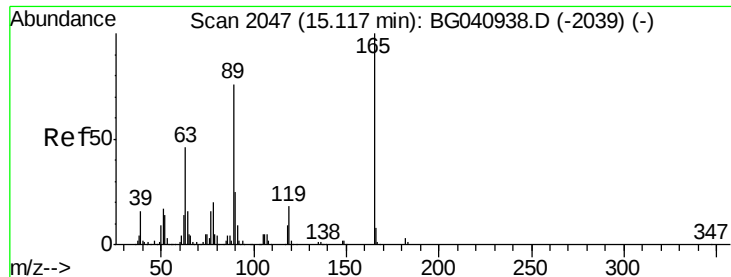
#54
 2,4-Dinitrophenol
 Concen: 8.300 ng
 RT: 14.97 min Scan# 2022
 Delta R.T. 0.10 min
 Lab File: BG041054.D
 Acq: 4 Jun 2019 3:39

Tgt Ion:184 Resp: 72
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.8 74.6#
 154 0.0 52.2 78.4#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

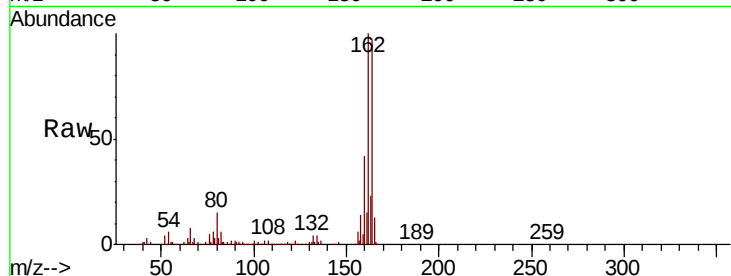




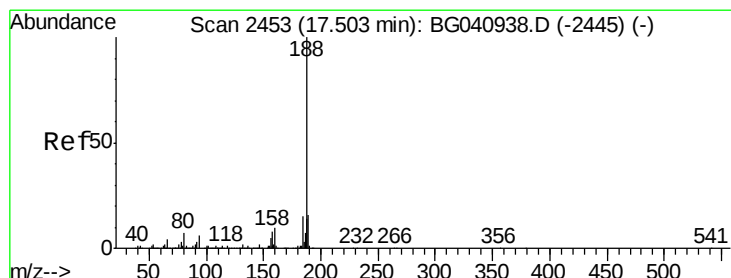
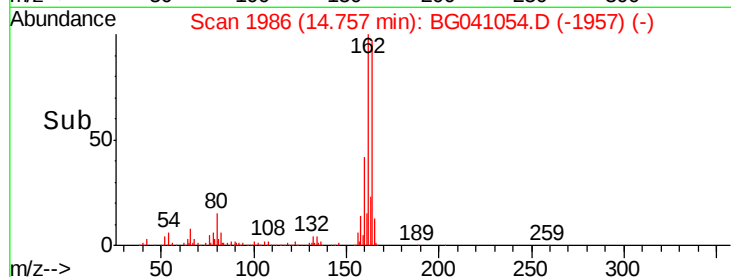
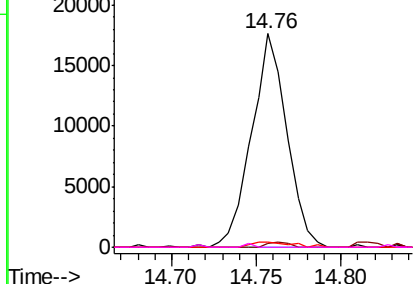
#57
 2,4-Dinitrotoluene
 Concen: 5.156 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. -0.36 min
 Lab File: BG041054.D
 Acq: 4 Jun 2019 3:39

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	37.3	55.9#
89	2.4	61.0	91.6#
182	0.0	2.2	3.2#

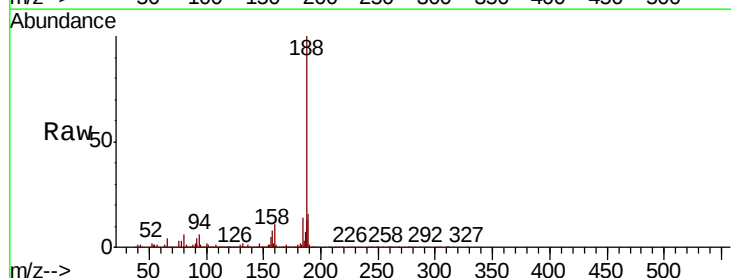


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

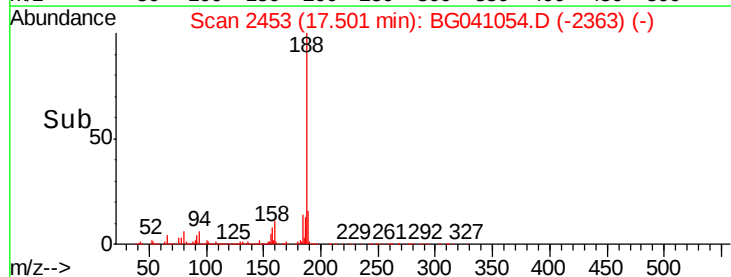
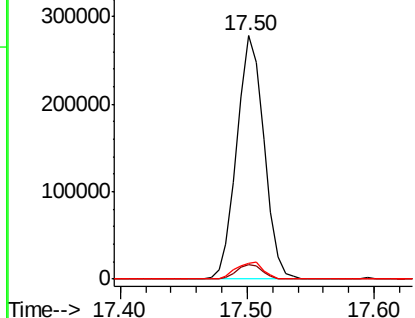


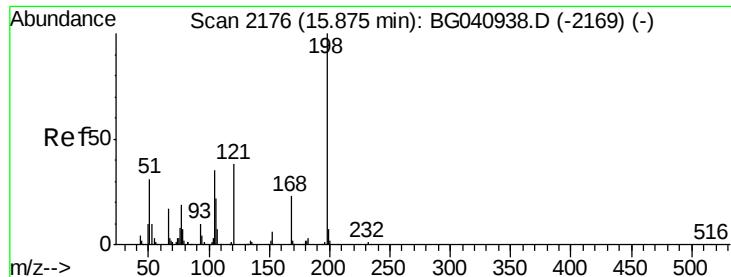
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: BG041054.D
 Acq: 4 Jun 2019 3:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	4.7	7.1
80	6.3	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: 8.612 ng

RT: 15.96 min Scan# 2191

Delta R.T. 0.09 min

Lab File: BG041054.D

Acq: 4 Jun 2019 3:39

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-B

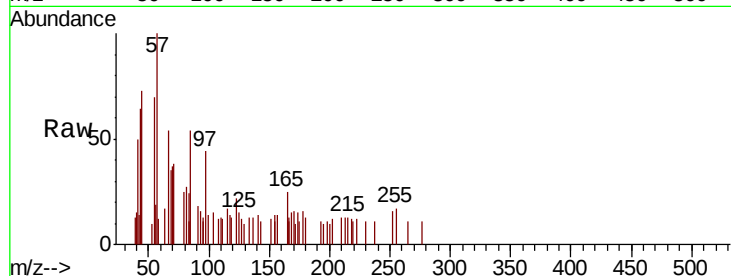
Tgt Ion:198 Resp: 60

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

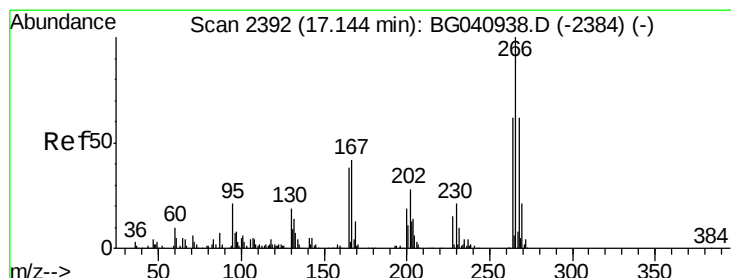
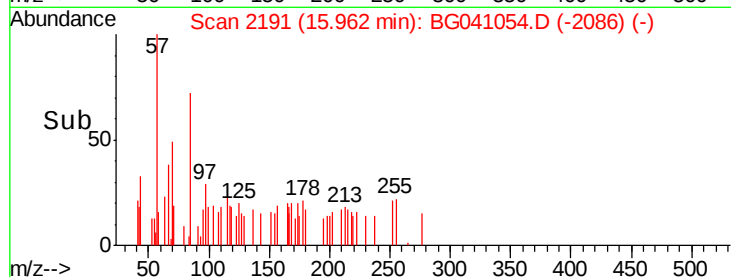
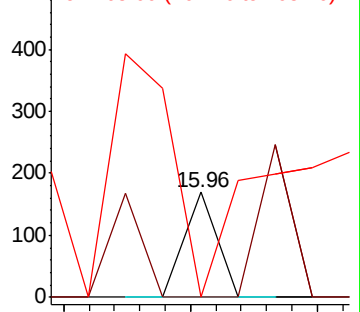
105 0.0 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG041054.D (-2169) (-)

Ion 105.00 (104.70 to 105.70): BG041054.D (-2169) (-)



#70

Pentachlorophenol

Concen: 4.304 ng

RT: 16.95 min Scan# 2360

Delta R.T. -0.19 min

Lab File: BG041054.D

Acq: 4 Jun 2019 3:39

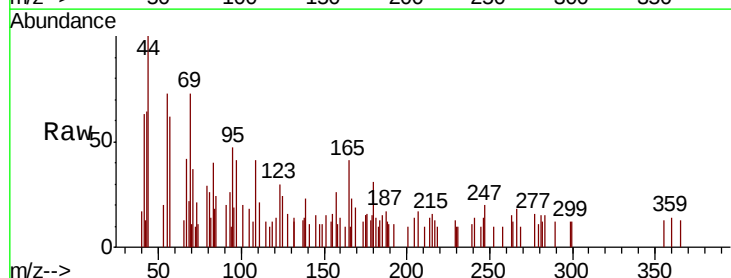
Tgt Ion:266 Resp: 160

Ion Ratio Lower Upper

266 100

268 56.3 53.1 79.7

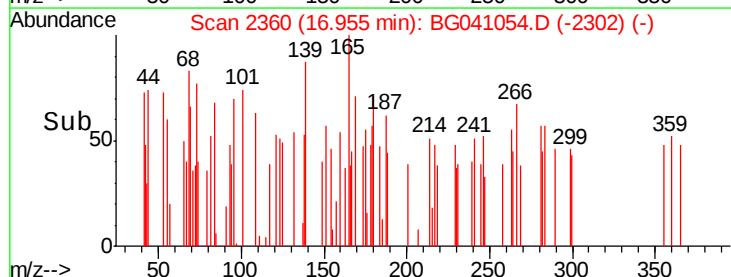
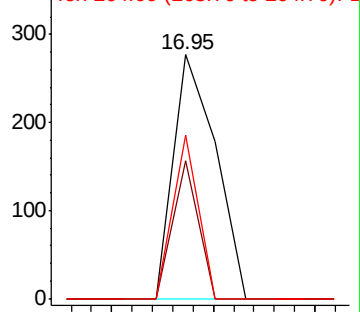
264 66.8 49.9 74.9

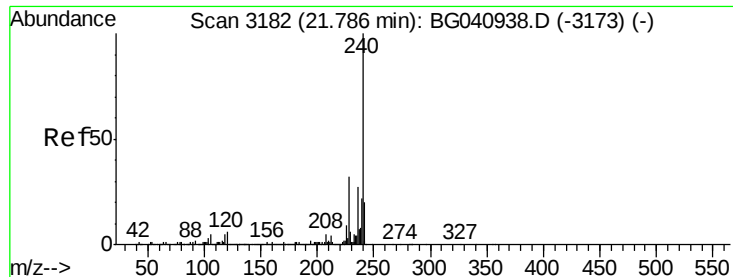


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BG041054.D

Acq: 4 Jun 2019 3:39

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-B

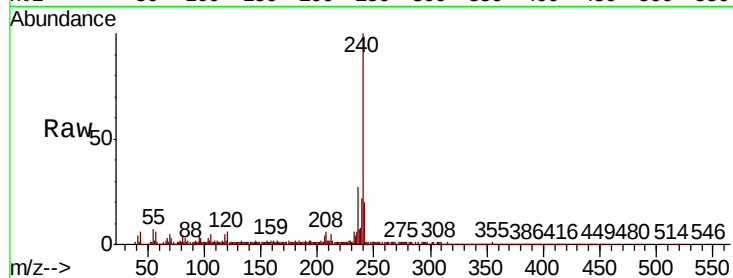
Tgt Ion:240 Resp: 387790

Ion Ratio Lower Upper

240 100

120 5.9 4.5 6.7

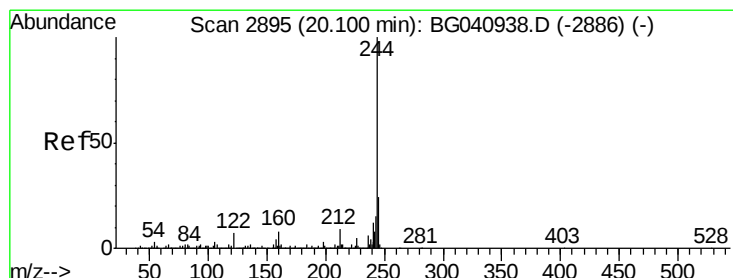
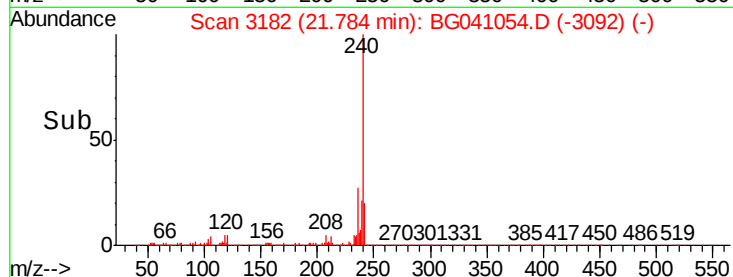
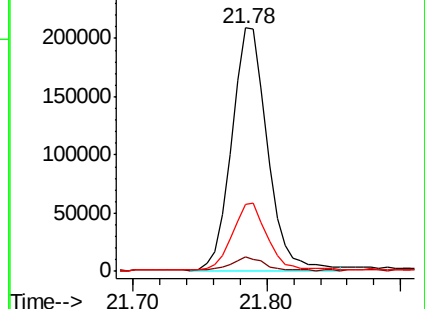
236 27.5 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 35.066 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.00 min

Lab File: BG041054.D

Acq: 4 Jun 2019 3:39

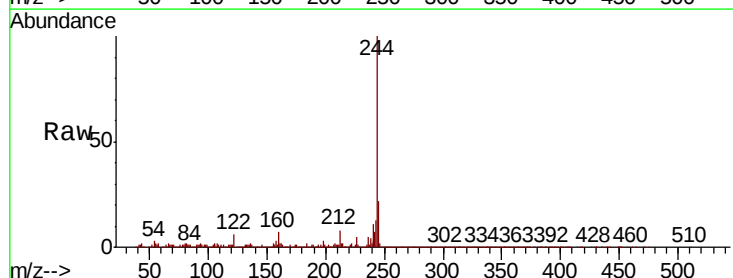
Tgt Ion:244 Resp: 640718

Ion Ratio Lower Upper

244 100

212 7.9 7.0 10.4

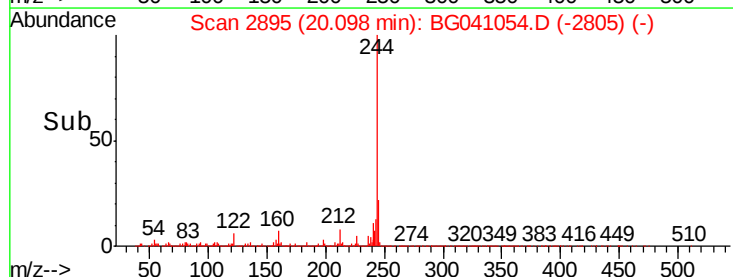
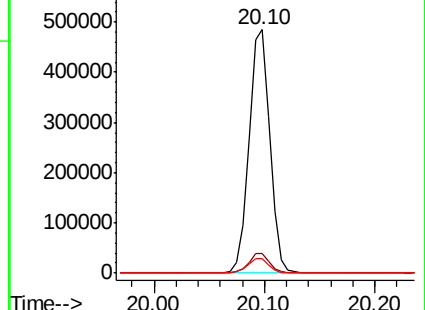
122 5.9 5.4 8.0

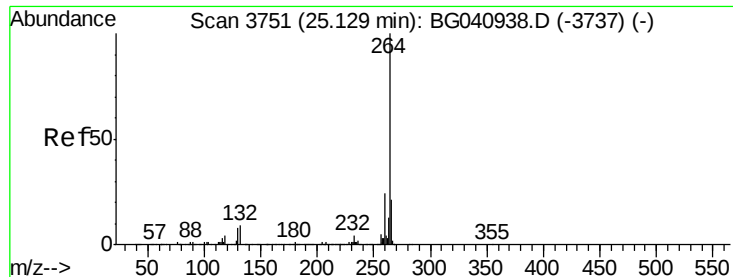


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.14 min Scan# 3753

Delta R.T. 0.01 min

Lab File: BG041054.D

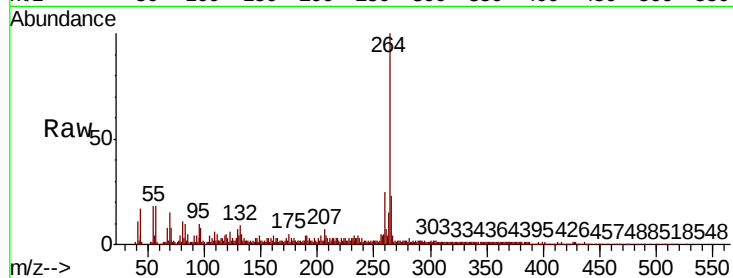
Acq: 4 Jun 2019 3:39

Instrument :

BNA_G

ClientSampleId :

CL-02-053119-B



Tgt Ion:	264	Resp:	302284
Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.0	28.4
265	23.0	17.0	25.4

