

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040950.D
 Acq On : 30 May 2019 13:51
 Operator : HP/JU
 Sample : K3054-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CULVER-CBTC-WC1B-052419

Quant Time: May 30 15:10:41 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

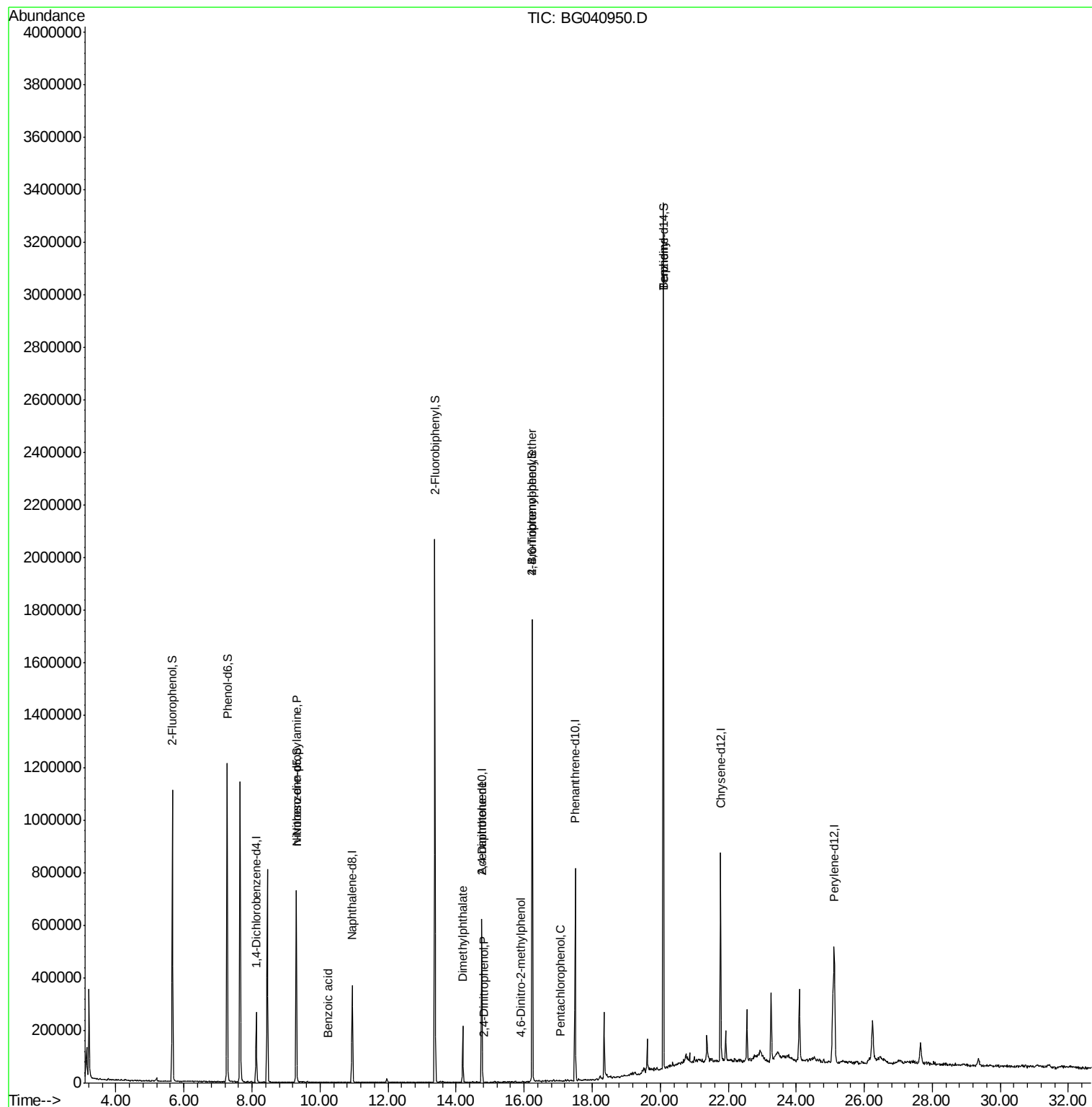
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	69119	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	289202	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	211740	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	496517	20.00	ng	0.00
76) Chrysene-d12	21.78	240	471483	20.00	ng	0.00
87) Perylene-d12	25.12	264	508221	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	416834	108.75	ng	0.00
7) Phenol-d6	7.27	99	642060	108.46	ng	0.00
23) Nitrobenzene-d5	9.30	82	445356	68.36	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	328288	104.44	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1020366	69.40	ng	0.00
79) Terphenyl-d14	20.09	244	1511996	68.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	62725	13.769	ng	# 75
32) Benzoic acid	10.24	122	65	8.145	ng	# 1
50) Dimethylphthalate	14.20	163	139043	7.757	ng	# 95
54) 2,4-Dinitrophenol	14.82	184	54	8.284	ng	# 18
57) 2,4-Dinitrotoluene	14.76	165	26949	4.937	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.90	198	62	8.609	ng	# 36
67) 4-Bromophenyl-phenylether	16.24	248	22706	3.389	ng	# 1
70) Pentachlorophenol	17.07	266	96	4.280	ng	# 18
77) Benzidine	20.09	184	27954	2.485	ng	# 93

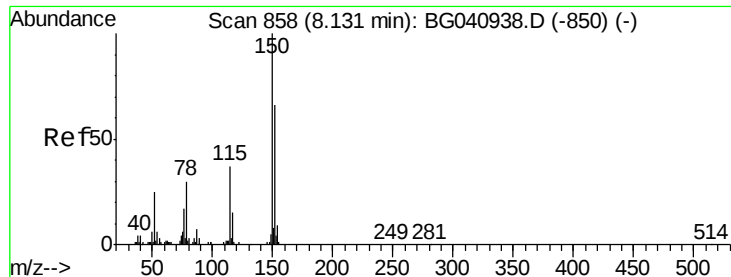
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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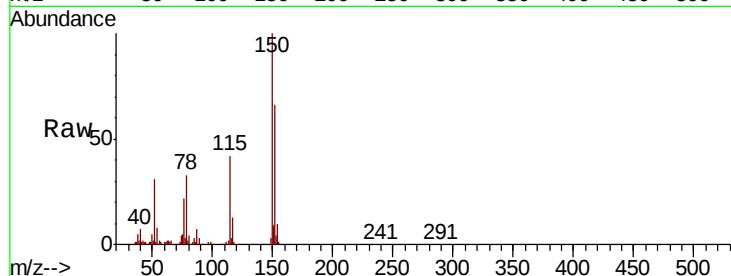


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040950.D
Acq: 30 May 2019 13:51

Instrument :
BNA_G
ClientSampleId :
CULVER-CBTC-WC1B-052419

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	120.6	180.8
115	63.1	45.1	67.7

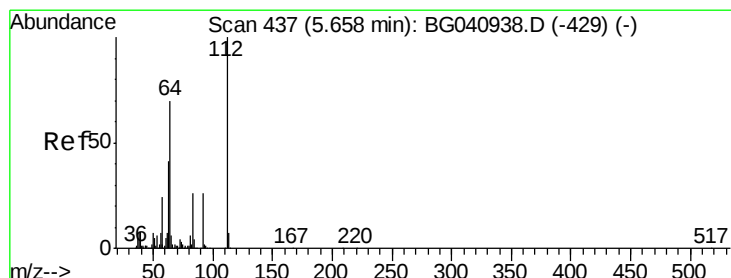
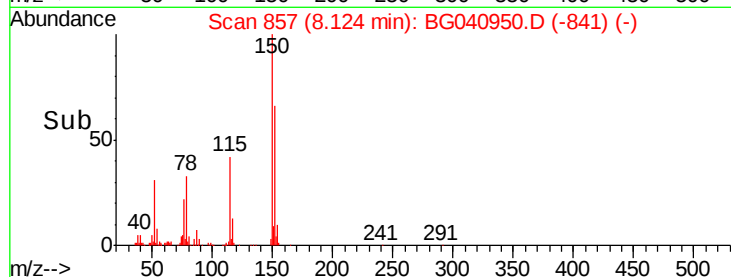
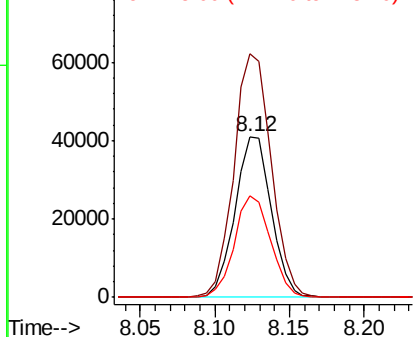


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

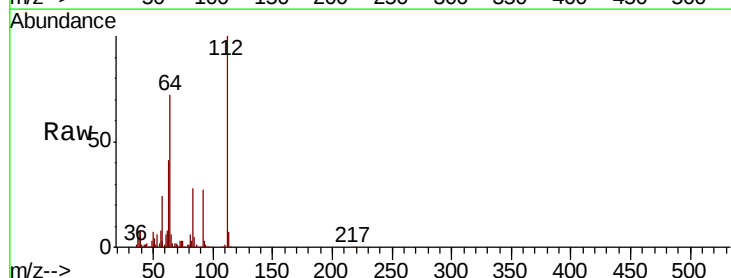
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.746 ng
RT: 5.66 min Scan# 438
Delta R.T. 0.00 min
Lab File: BG040950.D
Acq: 30 May 2019 13:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	56.2	84.2
63	40.9	32.8	49.2

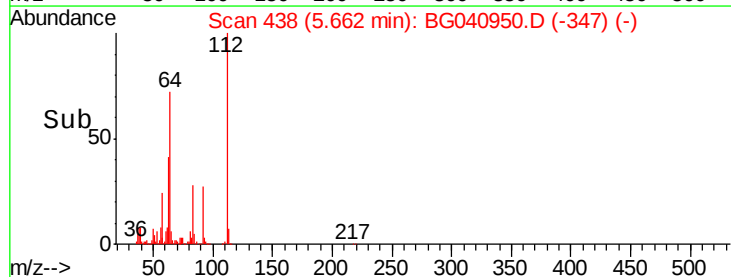
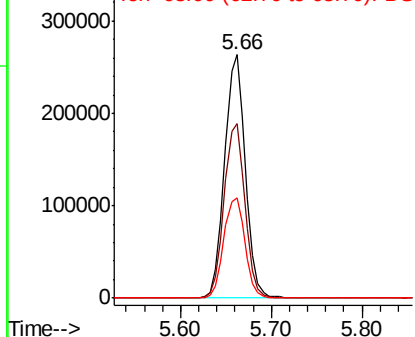


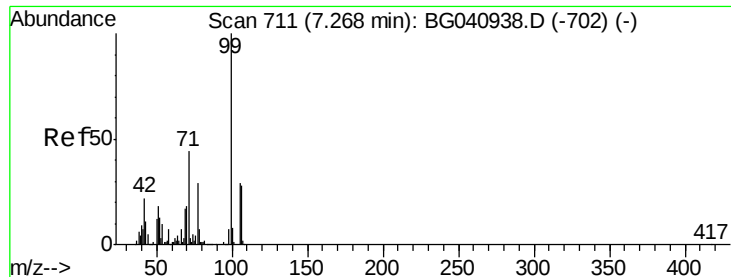
Abundance

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: 108.459 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

Instrument :

BNA_G

ClientSampleId :

CULVER-CBTC-WC1B-052419

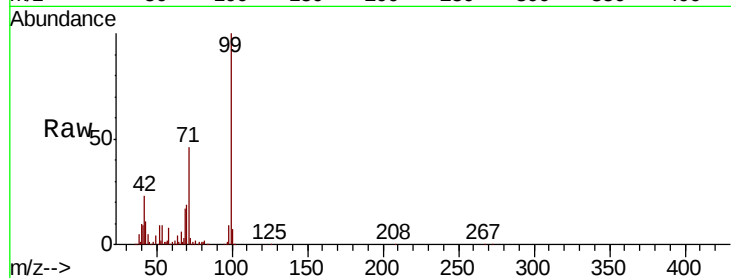
Tot Ion: 99 Resp: 642060

Ion Ratio Lower Upper

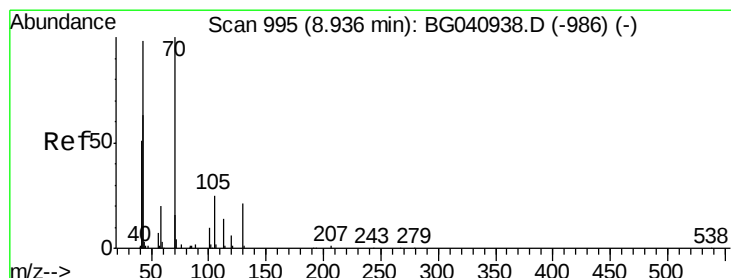
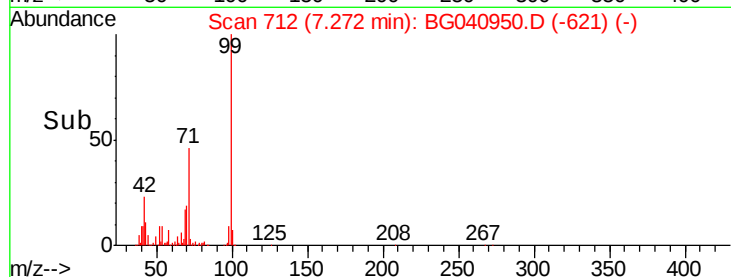
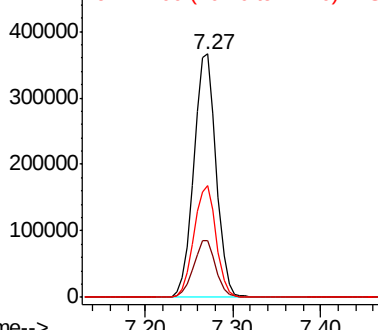
99 100

42 23.2 17.9 26.9

71 46.1 35.4 53.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.769 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

Tgt Ion: 70 Resp: 62725

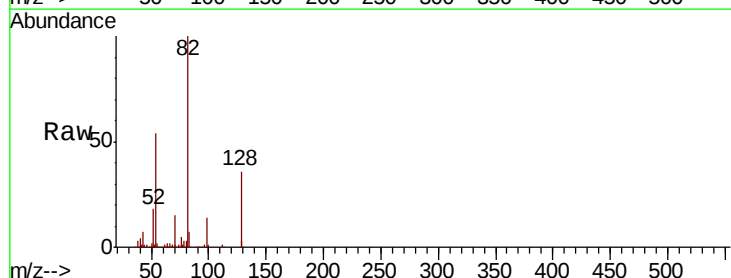
Ion Ratio Lower Upper

70 100

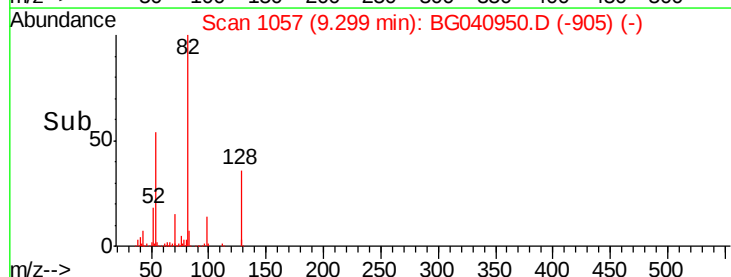
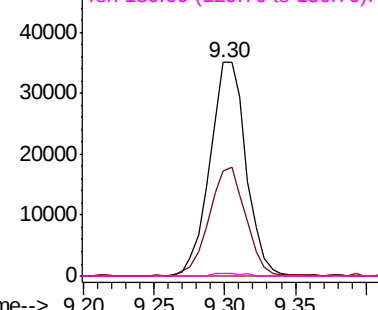
42 49.3 51.5 77.3#

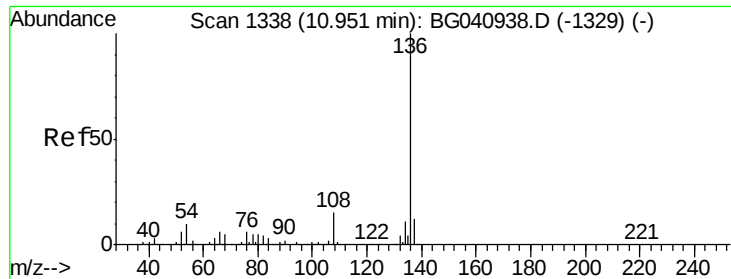
101 0.0 8.1 12.1#

130 1.5 16.6 24.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

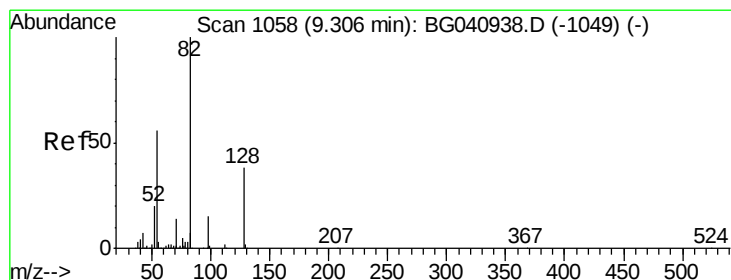
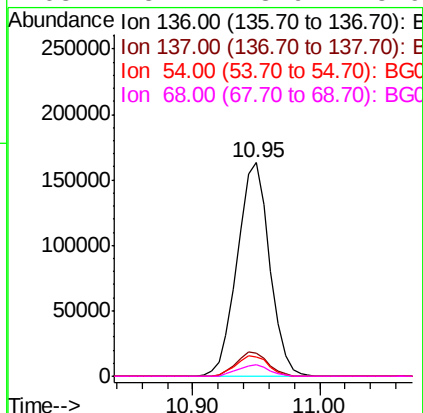
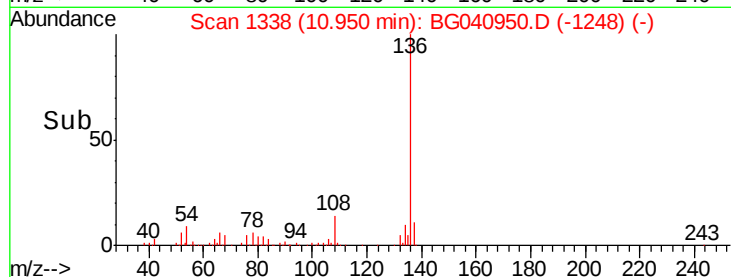
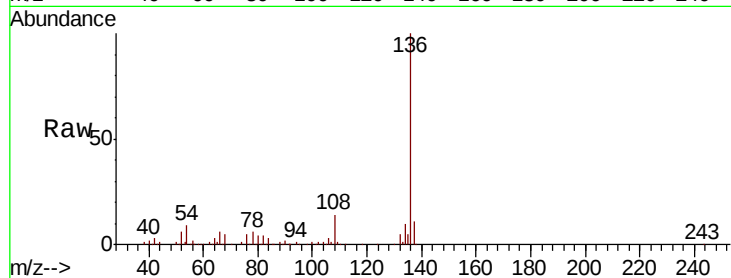




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG040950.D
Acq: 30 May 2019 13:51

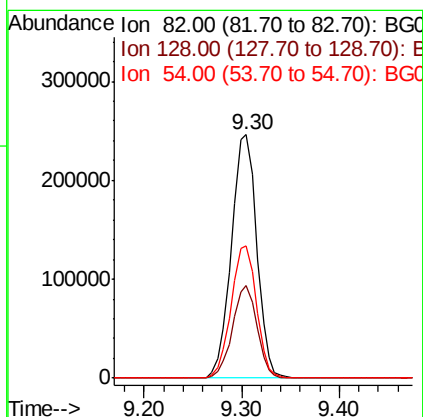
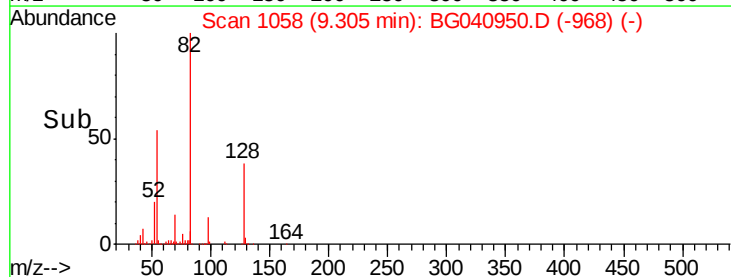
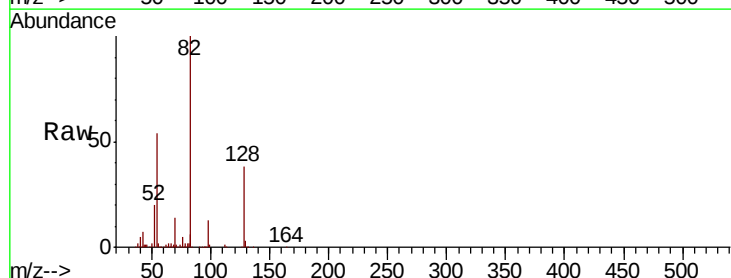
Instrument :
BNA_G
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CULVER-CBTC-WC1B-052419

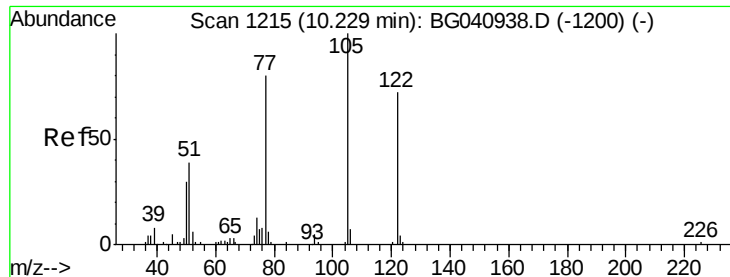
Tot Ion:136	Resp:	289202
Ion Ratio	Lower	Upper
136 100		
137 11.0	9.5	14.3
54 8.9	7.6	11.4
68 5.2	3.9	5.9



#23
Nitrobenzene-d5
Concen: 68.364 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BG040950.D
Acq: 30 May 2019 13:51

Tgt Ion: 82	Resp: 445356
Ion Ratio	Lower Upper
82 100	
128 38.2	30.5 45.7
54 54.2	44.6 66.8

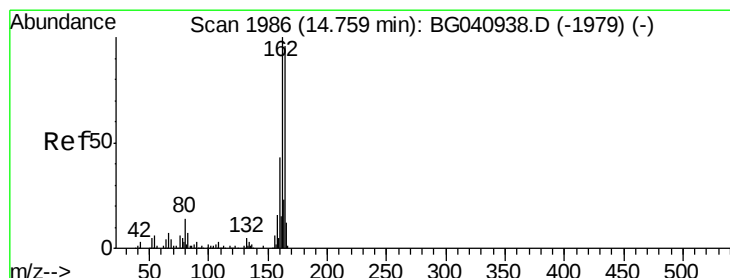
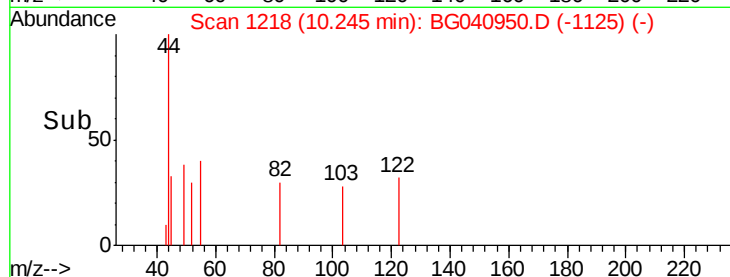
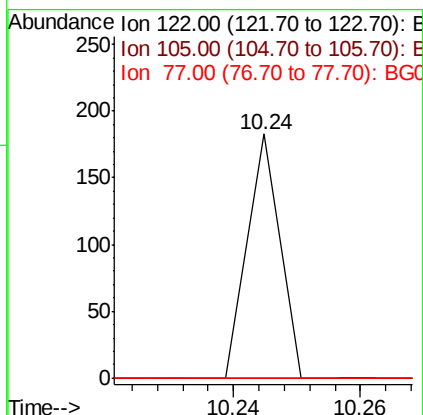
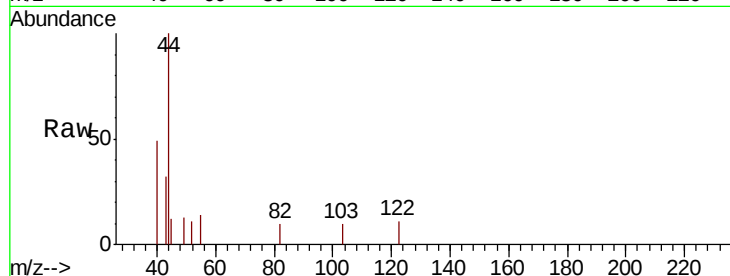




#32
Benzoic acid
Concen: 8.145 ng
RT: 10.24 min Scan# 1218
Delta R.T. 0.02 min
Lab File: BG040950.D
Acq: 30 May 2019 13:51

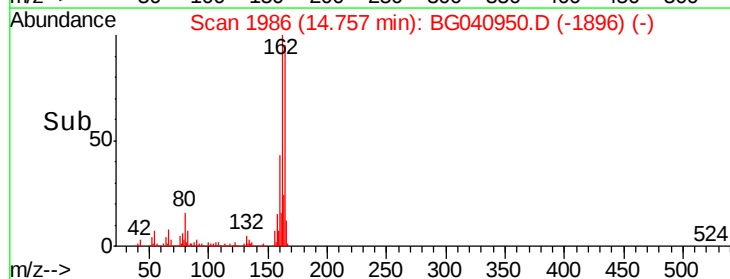
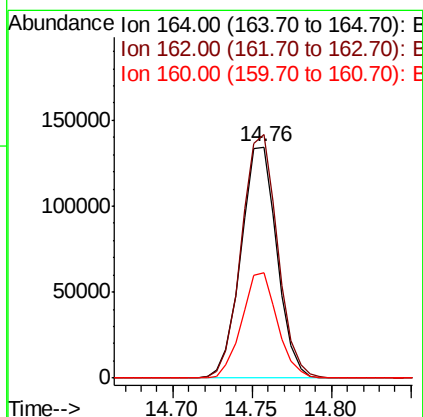
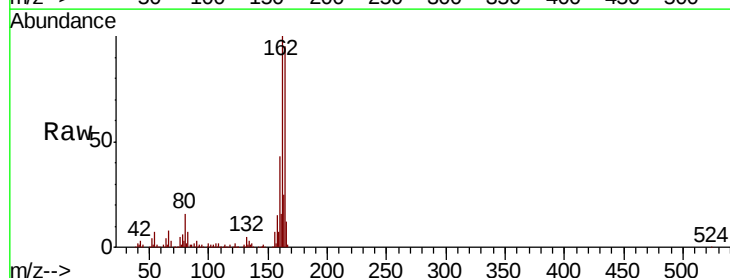
Instrument :
BNA_G
ClientSampleId :
CULVER-CBTC-WC1B-052419

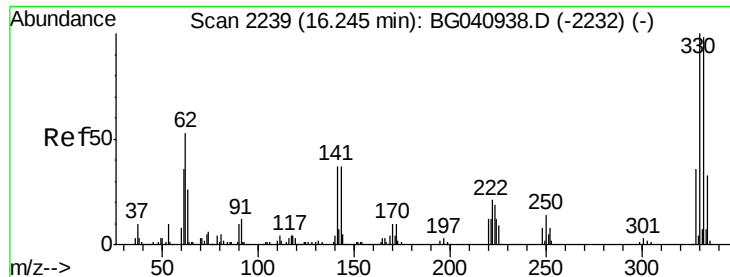
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG040950.D
Acq: 30 May 2019 13:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	83.0	124.4
160	45.7	35.6	53.4

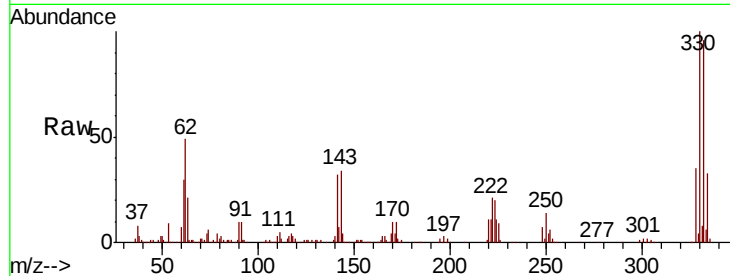




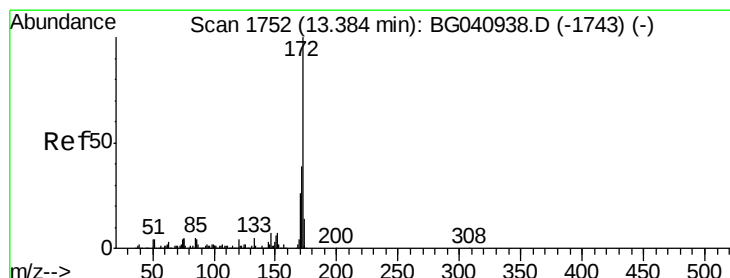
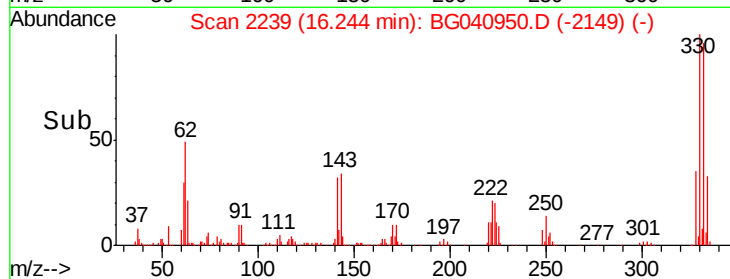
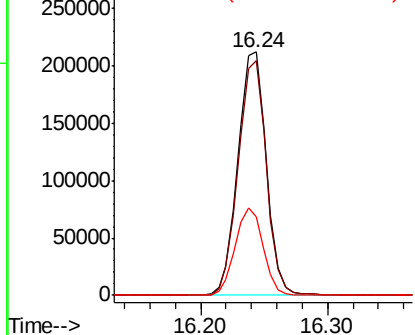
#42
 2,4,6-Tribromophenol
 Concen: 104.436 ng
 RT: 16.24 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: BG040950.D
 Acq: 30 May 2019 13:51

Instrument :
 BNA_G
 ClientSampleId :
 CULVER-CBTC-WC1B-052419

Tot Ion:330 Resp: 328288
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.5 117.7
 141 35.4 28.7 43.1

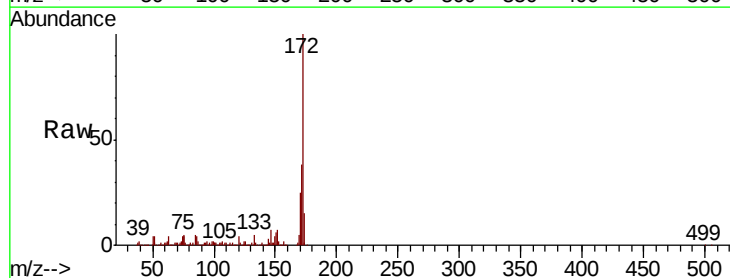


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

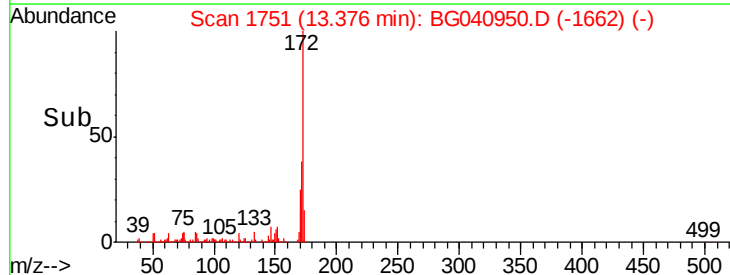
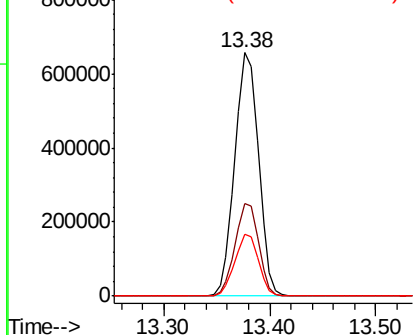


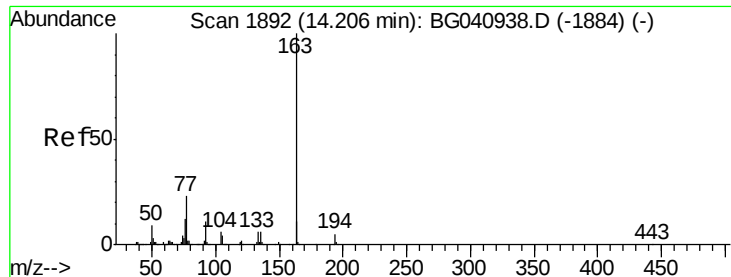
#45
 2-Fluorobiphenyl
 Concen: 69.398 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040950.D
 Acq: 30 May 2019 13:51

Tgt Ion:172 Resp: 1020366
 Ion Ratio Lower Upper
 172 100
 171 38.3 31.1 46.7
 170 25.4 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





#50

Dimethylphthalate

Concen: 7.757 ng

RT: 14.20 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

Instrument :

BNA_G

ClientSampleId :

CULVER-CBTC-WC1B-052419

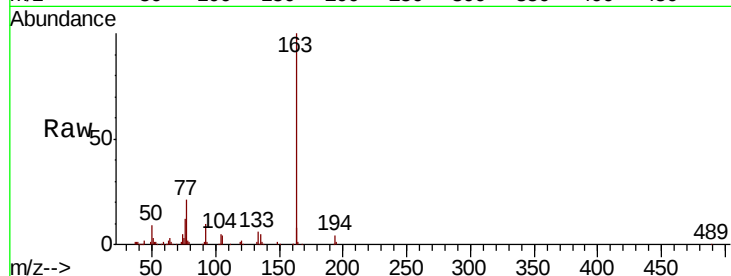
Tot Ion:163 Resp: 139043

Ion Ratio Lower Upper

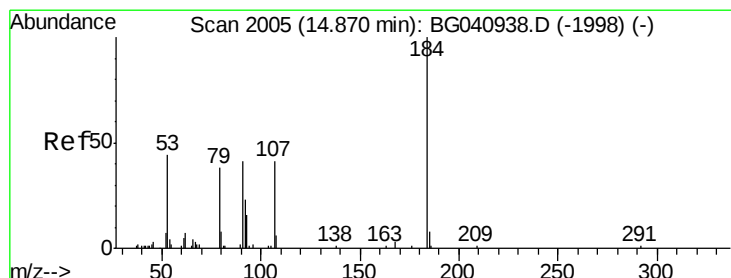
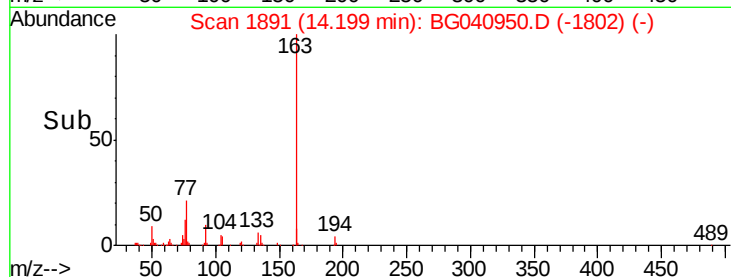
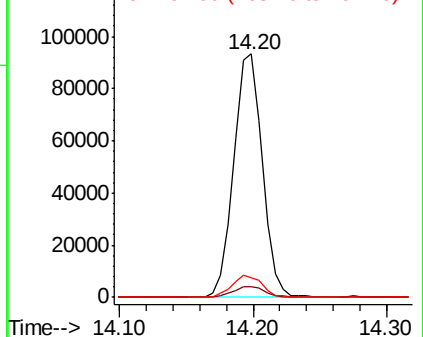
163 100

194 4.5 3.8 5.8

164 8.2 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



#54

2,4-Dinitrophenol

Concen: 8.284 ng

RT: 14.82 min Scan# 1996

Delta R.T. -0.05 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

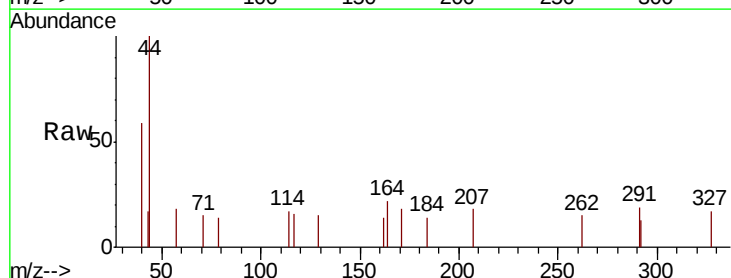
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

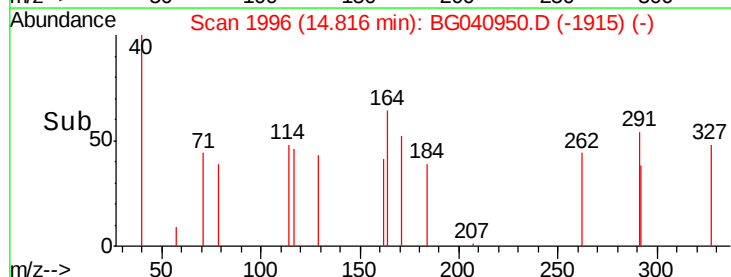
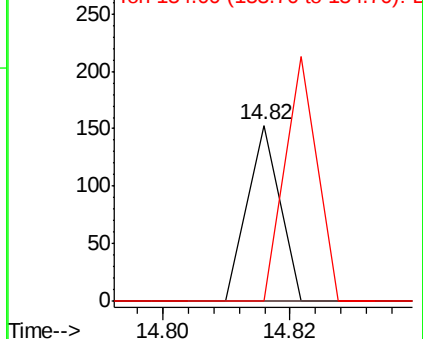
184 100

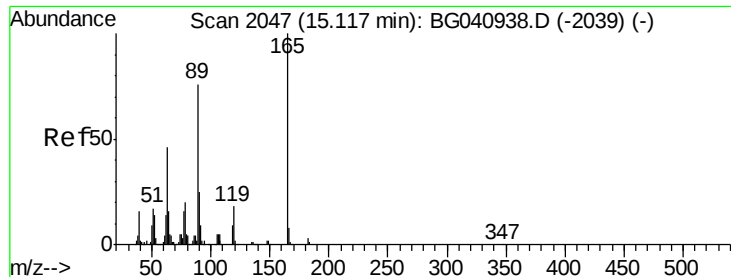
63 0.0 49.8 74.6#

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): BG
Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 4.937 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.36 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

Instrument :

BNA_G

ClientSampleId :

CULVER-CBTC-WC1B-052419

Tot Ion:165 Resp: 26949

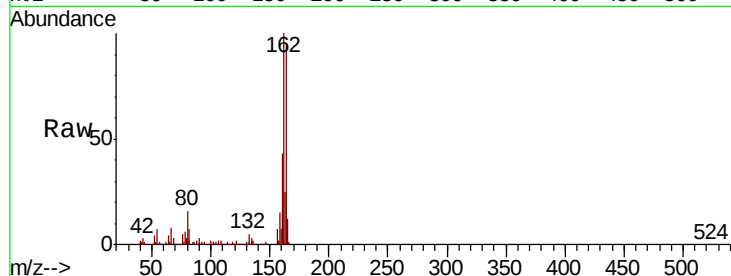
Ion Ratio Lower Upper

165 100

63 1.6 37.3 55.9#

89 3.4 61.0 91.6#

182 0.0 2.2 3.2#

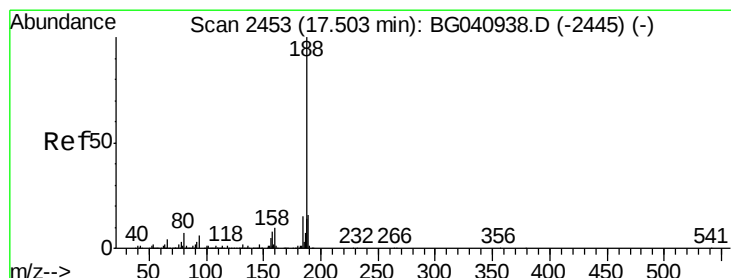
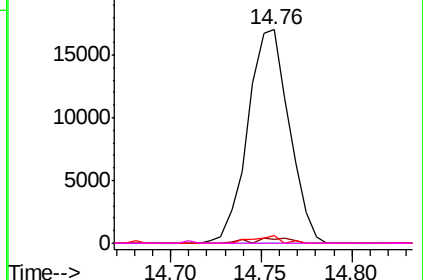
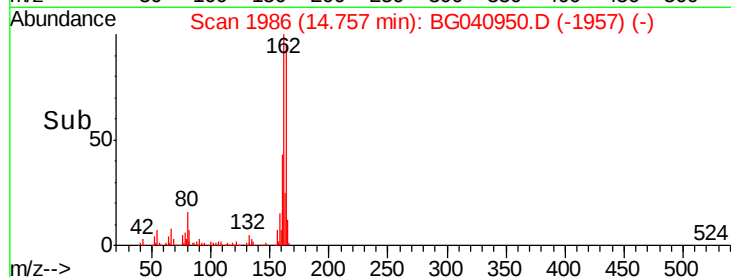


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2452

Delta R.T. -0.01 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

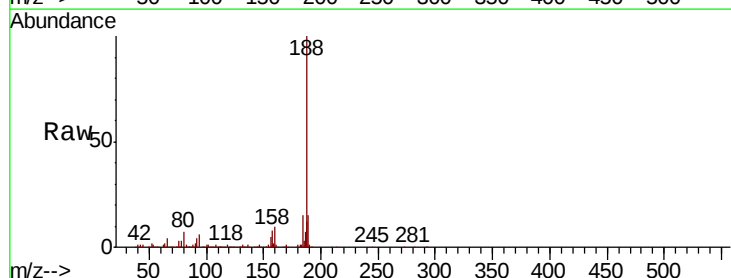
Tgt Ion:188 Resp: 496517

Ion Ratio Lower Upper

188 100

94 5.6 4.7 7.1

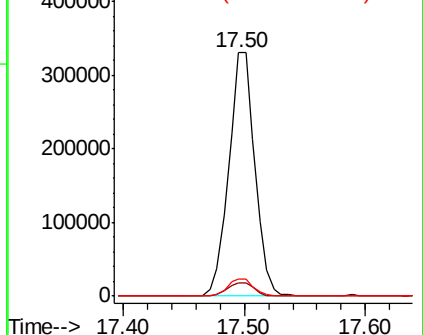
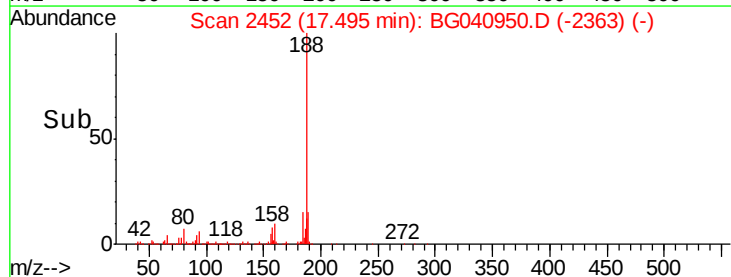
80 7.2 5.8 8.8

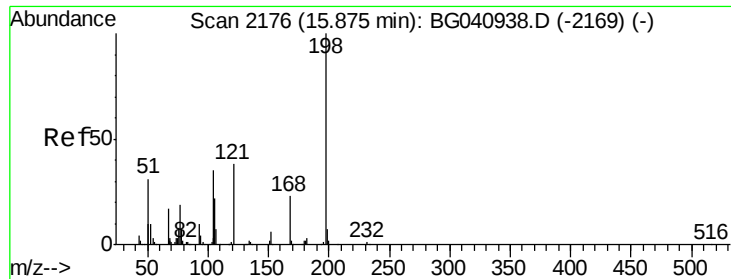


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.609 ng

RT: 15.90 min Scan# 2181

Delta R.T. 0.03 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

Instrument :

BNA_G

ClientSampleId :

CULVER-CBTC-WC1B-052419

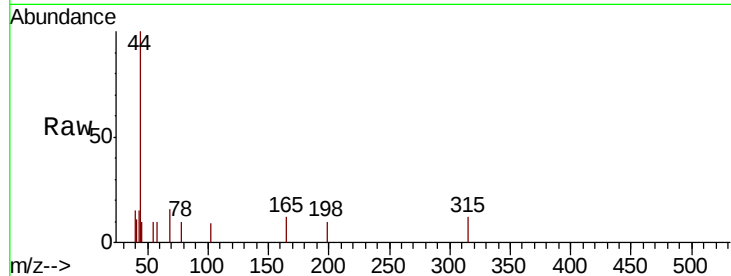
Tot Ion:198 Resp: 62

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): BG

Ion 105.00 (104.70 to 105.70): E

250

200

150

100

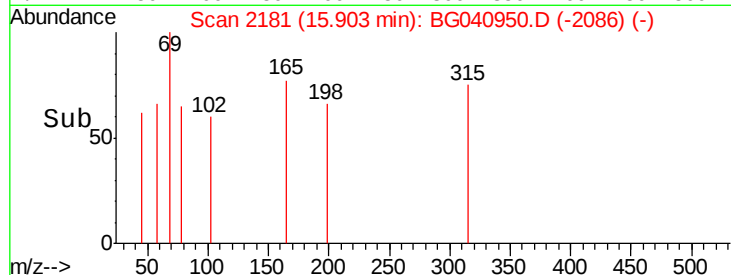
50

0

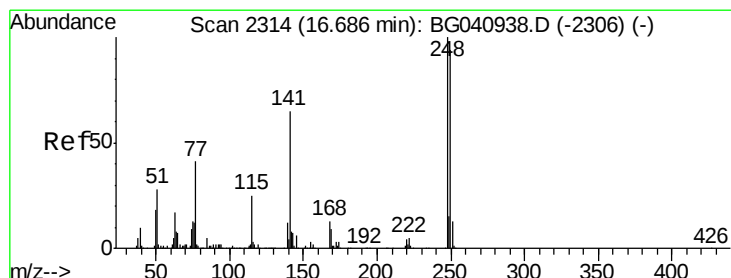
15.88

15.90

15.92



Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.389 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

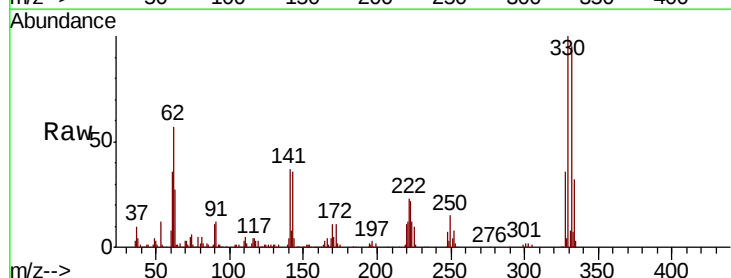
Tgt Ion:248 Resp: 22706

Ion Ratio Lower Upper

248 100

250 203.5 75.0 112.4#

141 496.6 52.4 78.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

100000

80000

60000

40000

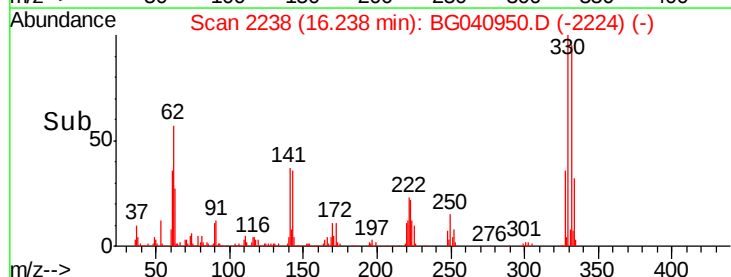
20000

0

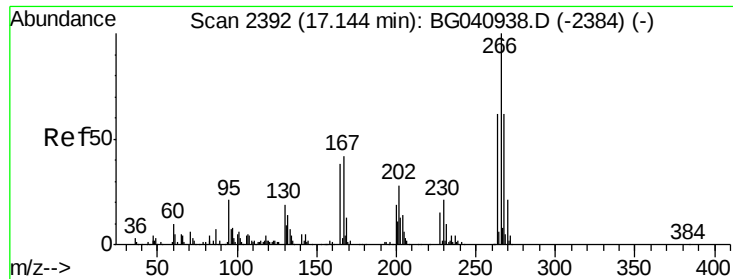
16.20

16.24

16.30



Time-->



#70

Pentachlorophenol

Concen: 4.280 ng

RT: 17.07 min Scan# 2380

Delta R.T. -0.07 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

Instrument :

BNA_G

ClientSampleId :

CULVER-CBTC-WC1B-052419

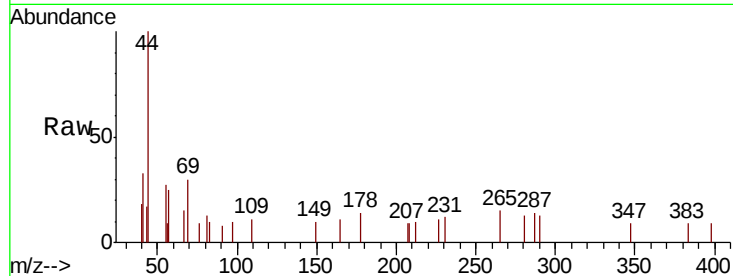
Tot Ion:266 Resp: 96

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

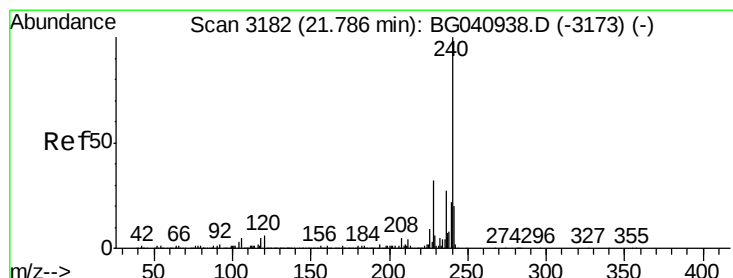
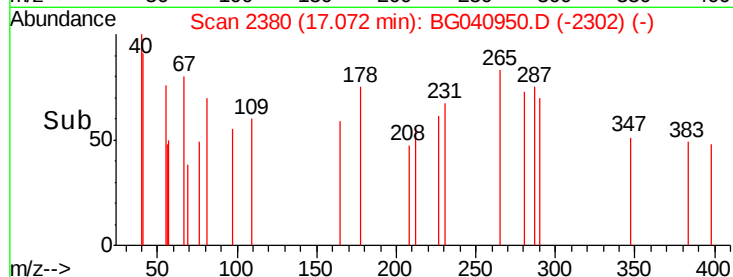
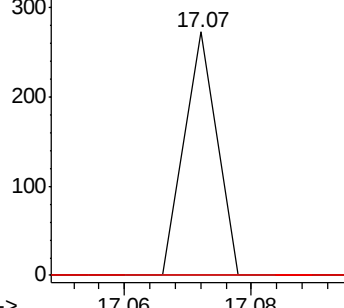
264 0.0 49.9 74.9#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

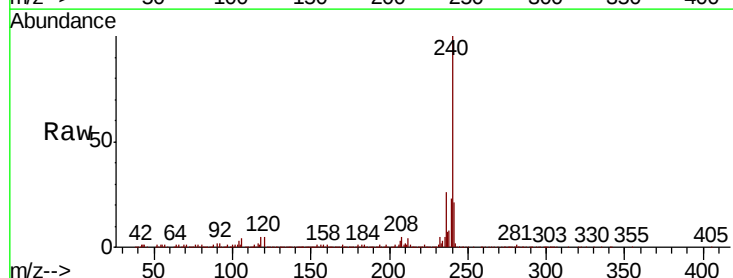
Tgt Ion:240 Resp: 471483

Ion Ratio Lower Upper

240 100

120 5.0 4.5 6.7

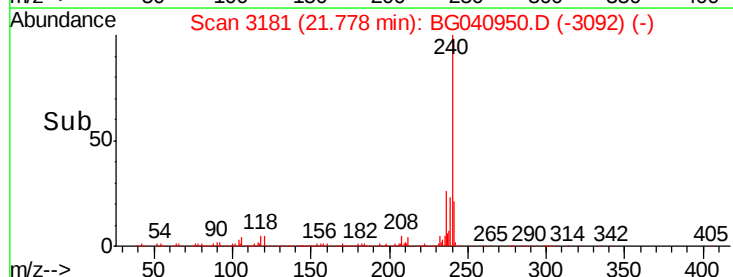
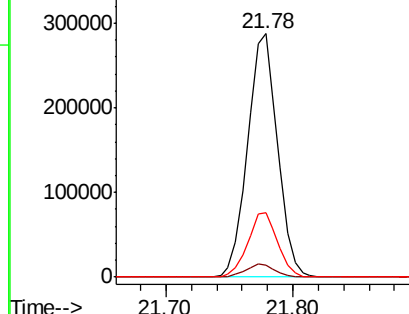
236 26.3 21.3 31.9

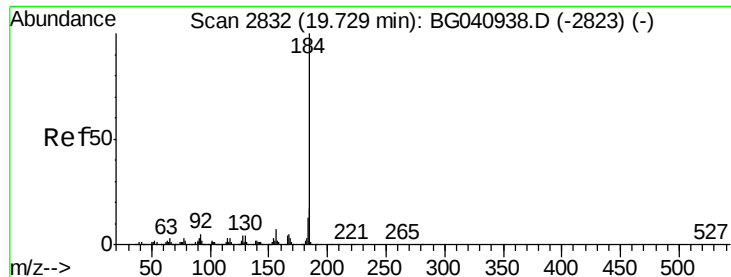


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.485 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

Instrument :

BNA_G

ClientSampleId :

CULVER-CBTC-WC1B-052419

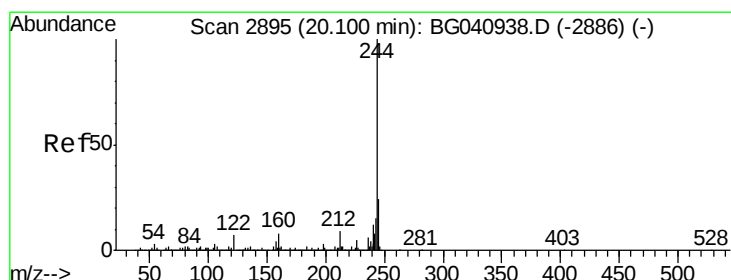
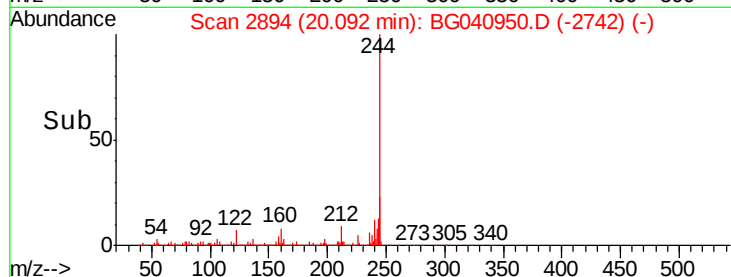
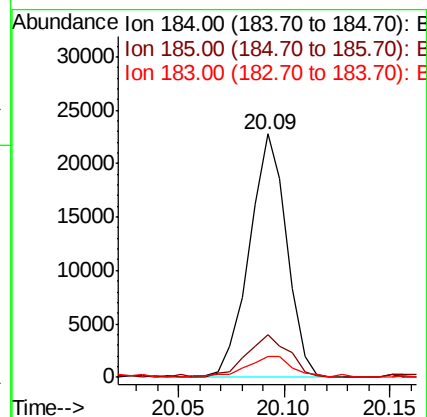
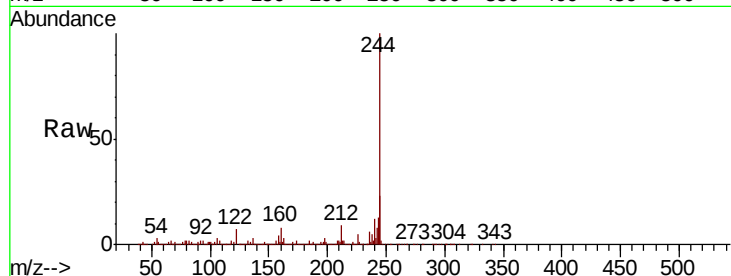
Tot Ion:184 Resp: 27954

Ion Ratio Lower Upper

184 100

185 17.7 13.3 19.9

183 8.5 10.7 16.1#



#79

Terphenyl-d14

Concen: 68.061 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040950.D

Acq: 30 May 2019 13:51

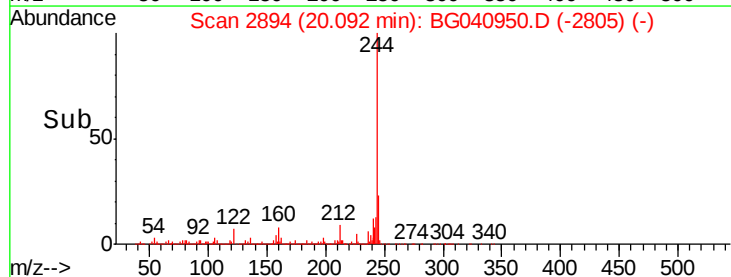
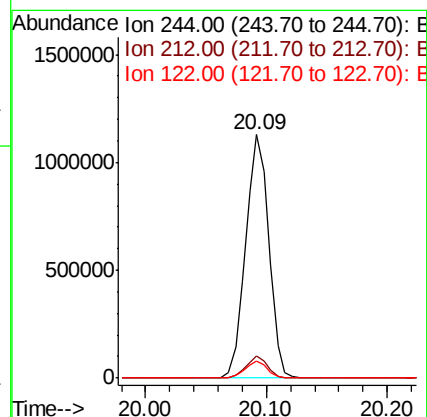
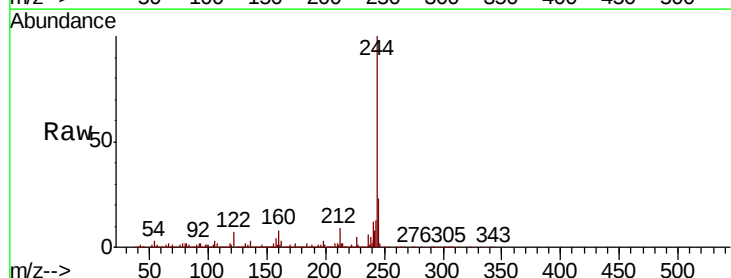
Tgt Ion:244 Resp: 1511996

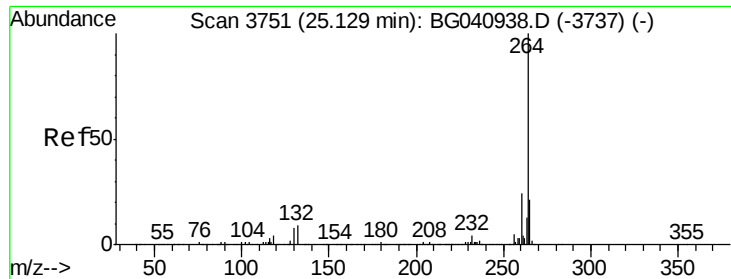
Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.4

122 6.9 5.4 8.0

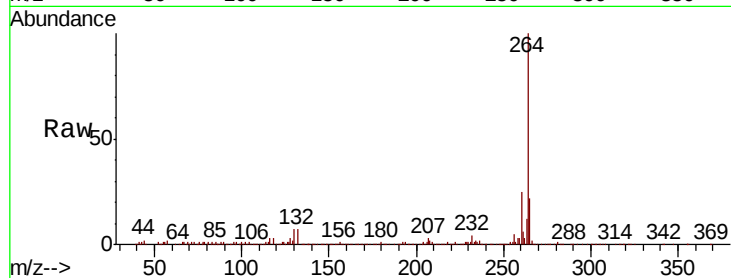




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.12 min Scan# 3749
 Delta R.T. -0.01 min
 Lab File: BG040950.D
 Acq: 30 May 2019 13:51

Instrument :
 BNA_G
 ClientSampleId :
 CULVER-CBTC-WC1B-052419

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.0	28.4
265	21.7	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

