

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
 Data File : BG048170.D
 Acq On : 16 Feb 2021 19:38
 Operator : CG/JU
 Sample : M1407-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBGL8

Quant Time: Feb 16 23:35:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 16 23:25:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	51713	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	213008	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	157470	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	382000	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	425736	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	431060	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	6716	5.41	ng/uL	0.00
5) Phenol-d5	7.25	99	37588	8.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	89084	34.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	86796	28.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	65173	19.07	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	53360	33.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	63745	33.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	114334	30.33	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	3991	1.07	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	433654	37.18	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	492186	34.52	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	19509	9.84	ng/ul	0.00
58) Fluorene-d10	15.72	176	389689	37.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	111294	47.52	ng/ul	0.00
71) Anthracene-d10	17.57	188	650764	39.73	ng/ul	0.00
79) Pyrene-d10	19.85	212	800103	37.63	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	858458	39.04	ng/ul	0.00

Target Compounds

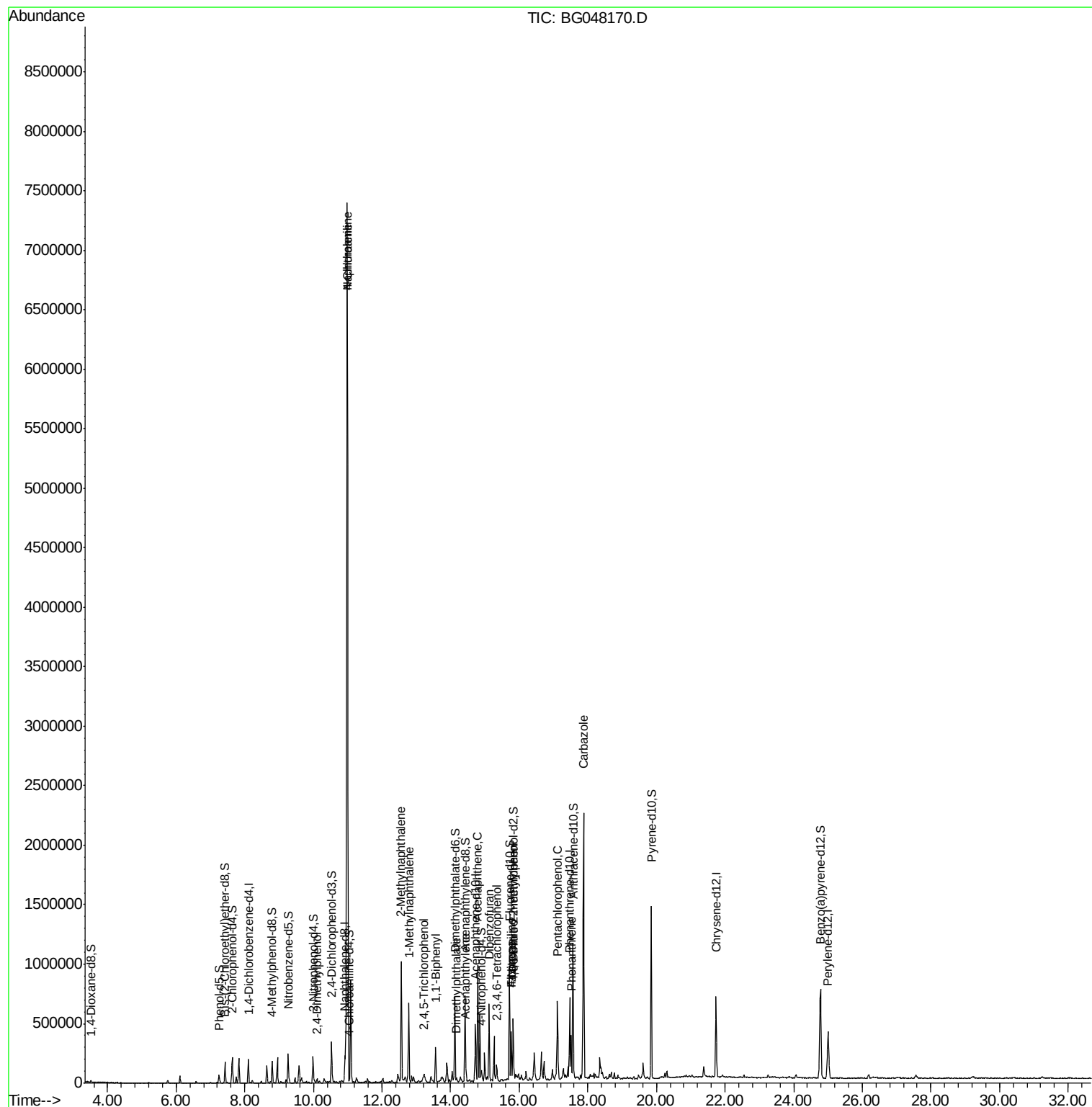
					Ovalue	
24) 2,4-Dimethylphenol	10.10	107	10926	2.516	ng/ul	98
28) Naphthalene	10.99	128	5523224	514.076	ng/ul#	73
30) 4-Chloroaniline	10.99	127	1160852	303.826	ng/ul#	28
34) 2-Methylnaphthalene	12.56	142	439550	53.823	ng/ul	96
35) 1-Methylnaphthalene	12.78	142	272548	34.501	ng/uL	99
40) 2,4,5-Trichlorophenol	13.23	196	14364	4.052	ng/ul	94
41) 1,1'-Biphenyl	13.56	154	137163	12.698	ng/ul	96
45) Dimethylphthalate	14.17	163	18709	1.552	ng/ul	96
48) Acenaphthylene	14.45	152	44855	3.517	ng/ul	99
50) Acenaphthene	14.79	153	390935	40.846	ng/ul	98
54) Dibenzofuran	15.12	168	392846	28.124	ng/ul	99
56) 2,3,4,6-Tetrachlorophenol	15.34	232	28397	7.836	ng/ul#	97
59) Fluorene	15.77	166	178279	15.787	ng/ul#	98
61) 4-Nitroaniline	15.76	138	2494	1.036	ng/ul#	12
64) 4,6-Dinitro-2-methylphenol	15.83	198	54110	23.185	ng/ul#	64
69) Pentachlorophenol	17.12	266	104413	39.070	ng/ul	91
70) Phenanthrene	17.51	178	210237	10.954	ng/ul	98
75) Carbazole	17.87	167	1447987	89.430	ng/ul	93

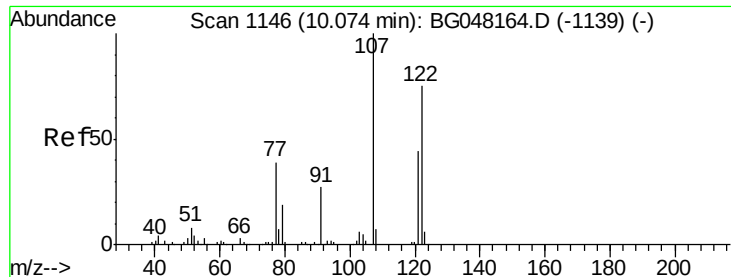
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#24

2,4-Dimethylphenol

Concen: 2.516 ng/ul

RT: 10.10 min Scan# 1151

Delta R.T. 0.03 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

Instrument :

BNA_G

ClientSampleId :

DBGL8

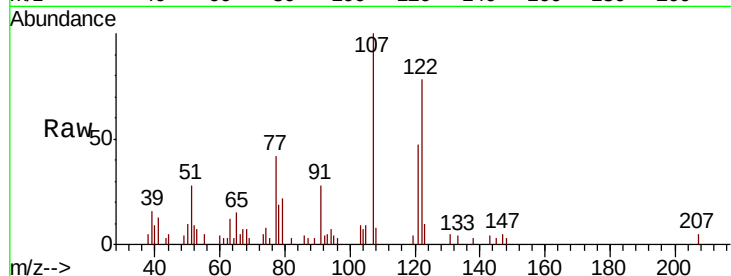
Tot Ion:107 Resp: 10926

Ion Ratio Lower Upper

107 100

121 47.1 37.1 55.7

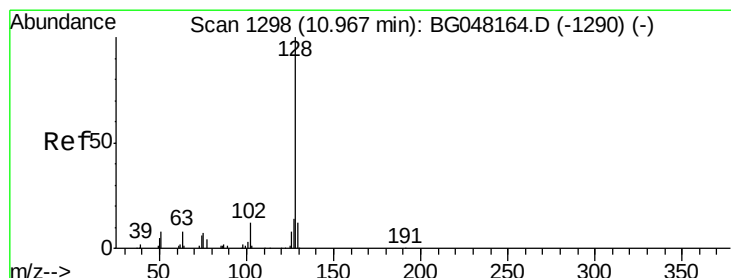
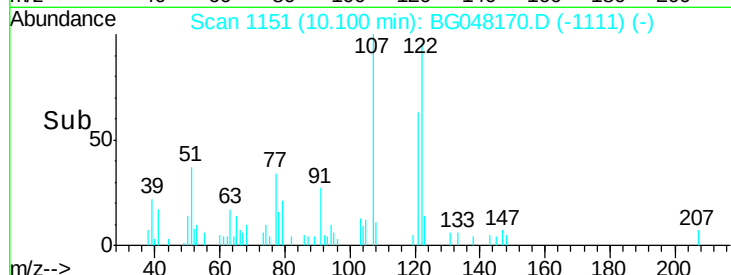
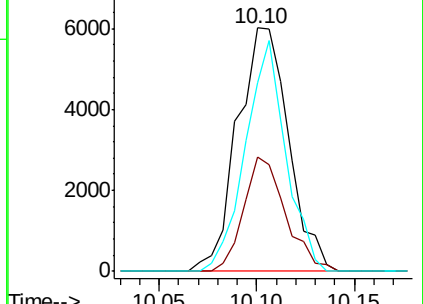
122 77.6 60.2 90.2



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 514.076 ng/ul

RT: 10.99 min Scan# 1302

Delta R.T. 0.02 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

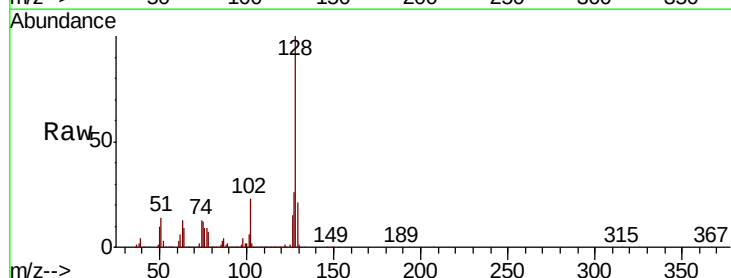
Tgt Ion:128 Resp: 5523224

Ion Ratio Lower Upper

128 100

129 20.7 9.3 13.9#

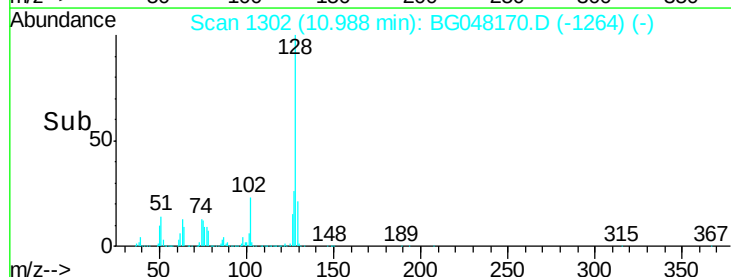
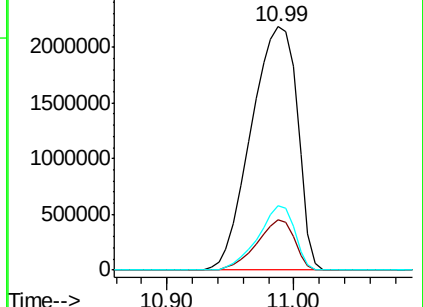
127 26.2 11.2 16.8#

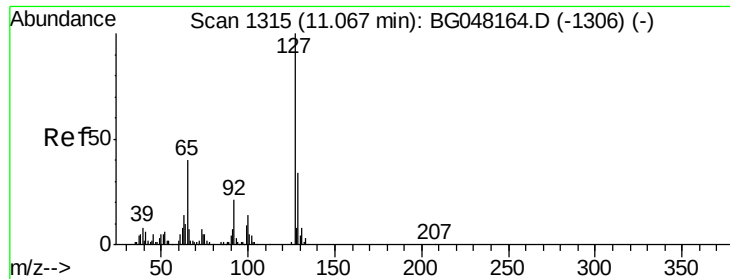


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

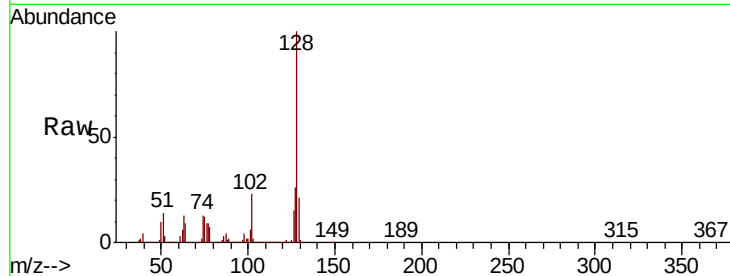




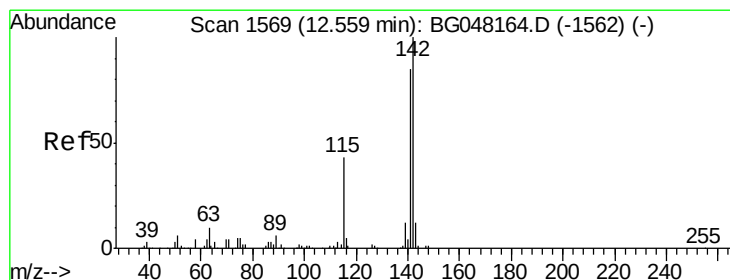
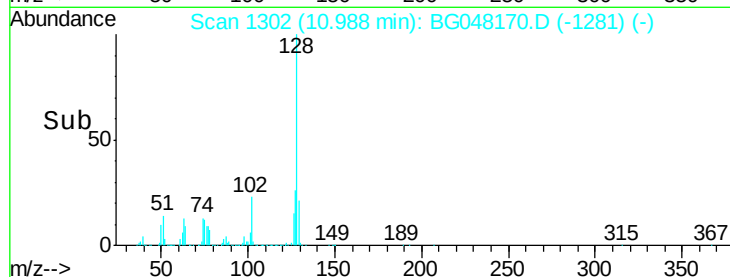
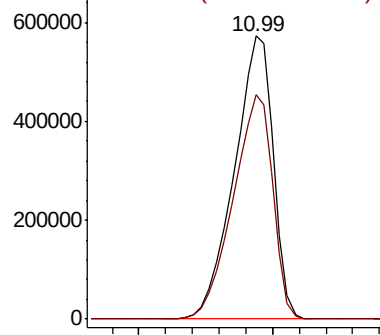
#30
 4-Chloroaniline
 Concen: 303.826 ng/ul
 RT: 10.99 min Scan# 1302
 Delta R.T. -0.08 min
 Lab File: BG048170.D
 Acq: 16 Feb 2021 19:38

Instrument :
 BNA_G
 ClientSampleId :
 DBGL8

Tot Ion:127 Resp: 1160852
 Ion Ratio Lower Upper
 127 100
 129 79.1 29.1 43.7#

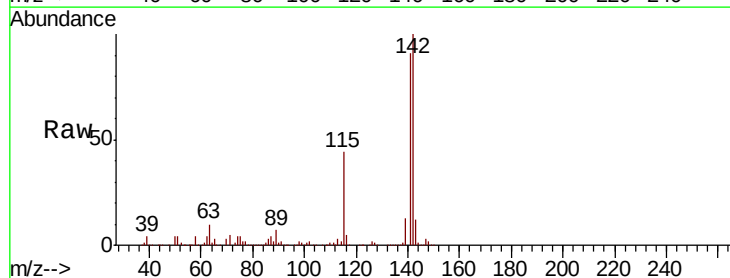


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E

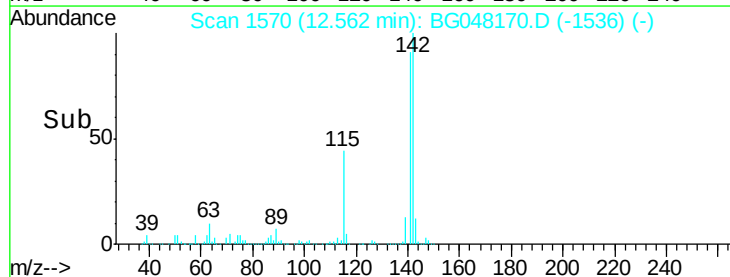
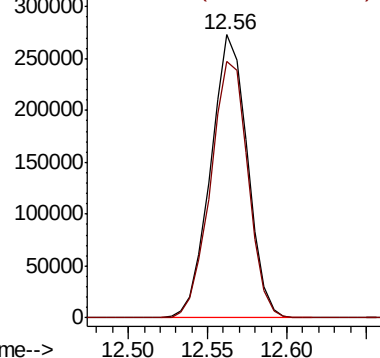


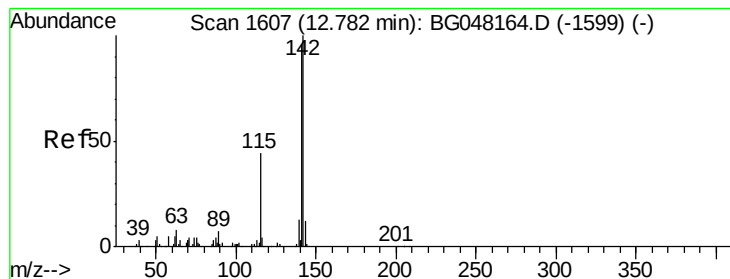
#34
 2-Methylnaphthalene
 Concen: 53.823 ng/ul
 RT: 12.56 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BG048170.D
 Acq: 16 Feb 2021 19:38

Tgt Ion:142 Resp: 439550
 Ion Ratio Lower Upper
 142 100
 141 90.7 69.6 104.4



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 34.501 ng/uL

RT: 12.78 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

Instrument :

BNA_G

ClientSampleId :

DBGL8

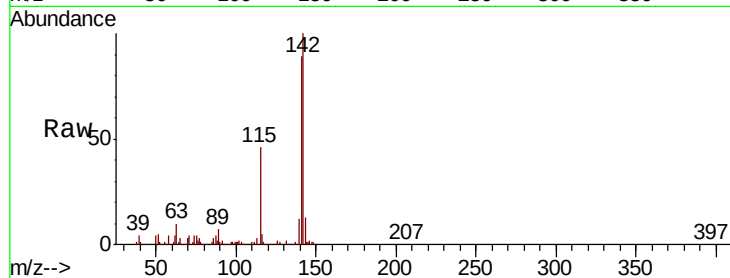
Tot Ion:142 Resp: 272548

Ion Ratio Lower Upper

142 100

141 93.2 75.0 112.6

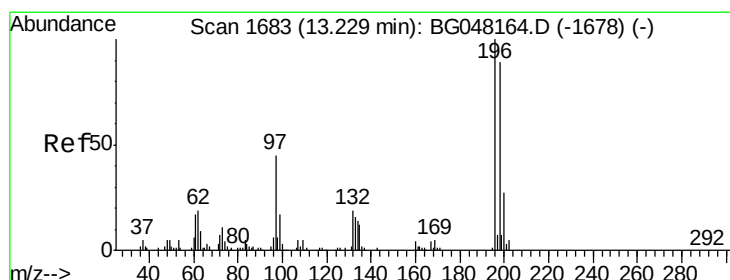
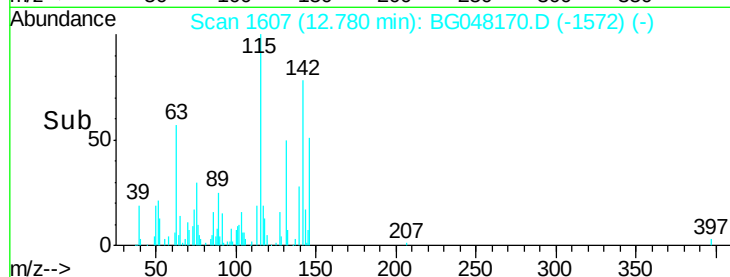
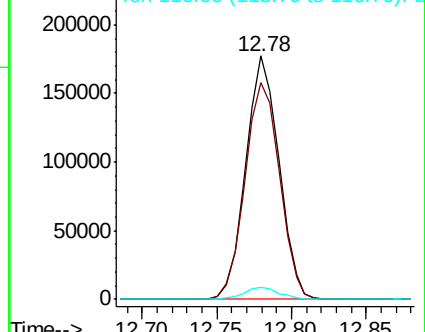
116 5.3 3.7 5.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#40

2,4,5-Trichlorophenol

Concen: 4.052 ng/uL

RT: 13.23 min Scan# 1684

Delta R.T. 0.00 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

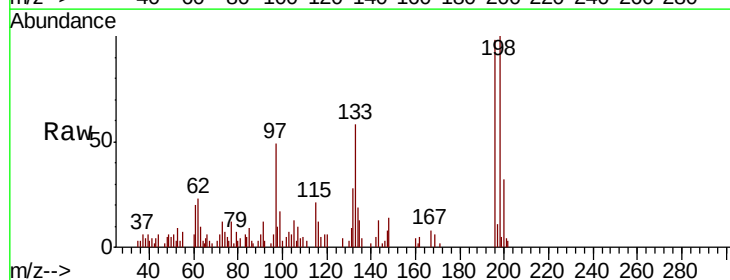
Tgt Ion:196 Resp: 14364

Ion Ratio Lower Upper

196 100

198 102.2 77.4 116.0

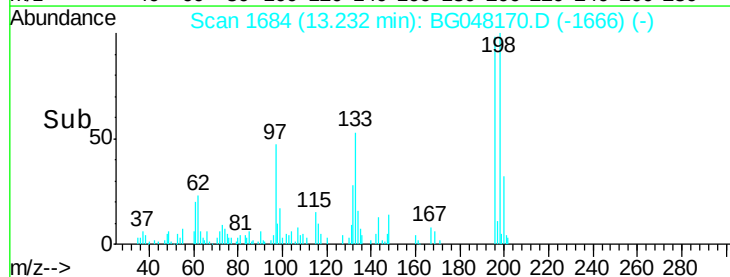
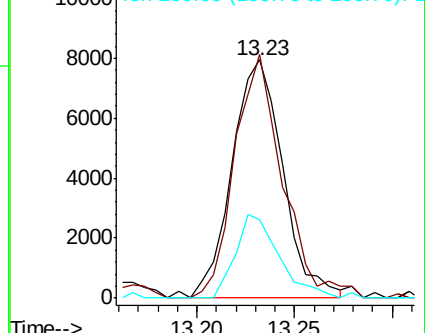
200 32.9 29.5 44.3

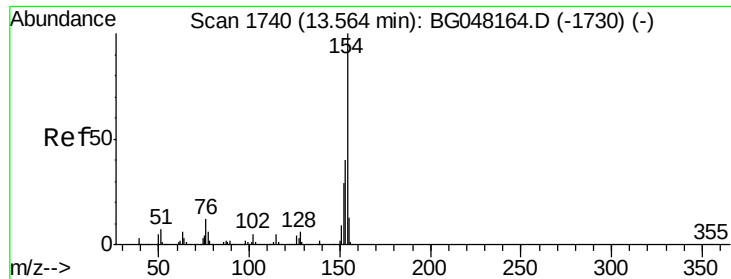


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

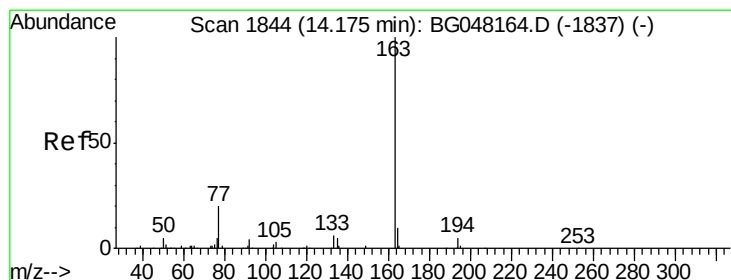
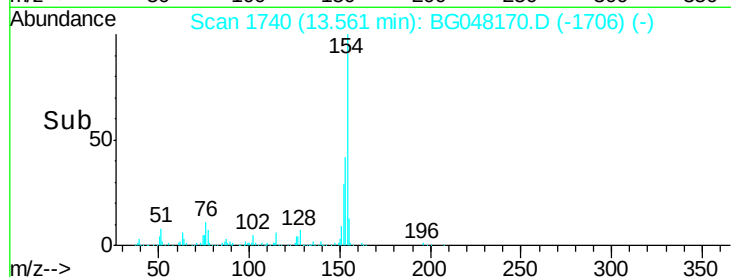
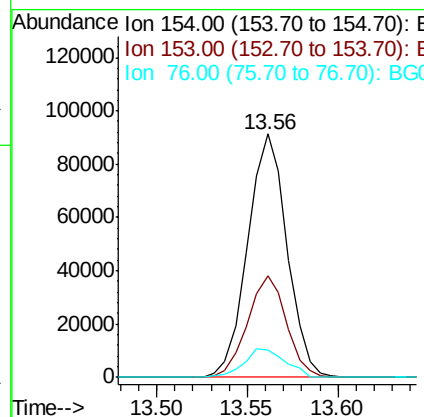
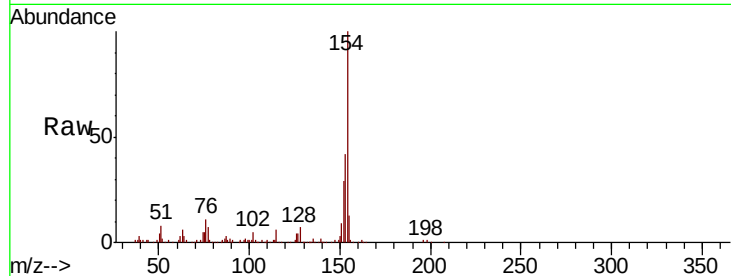




#41
1,1'-Biphenyl
Concen: 12.698 ng/ul
RT: 13.56 min Scan# 1740
Delta R.T. -0.00 min
Lab File: BG048170.D
Acq: 16 Feb 2021 19:38

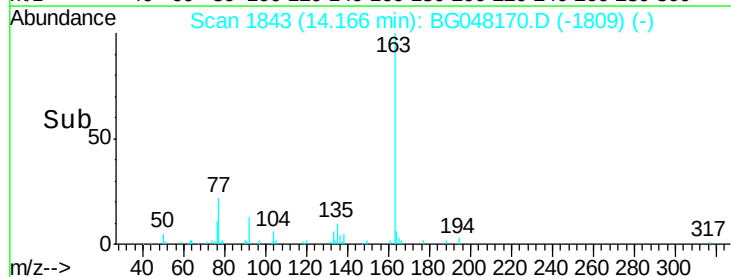
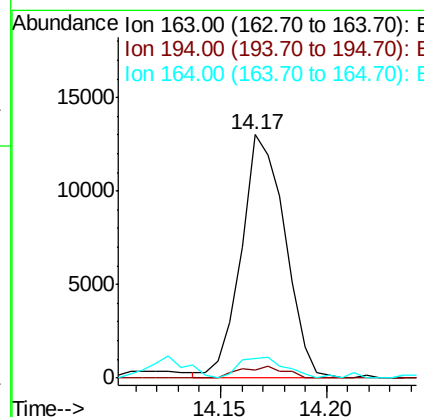
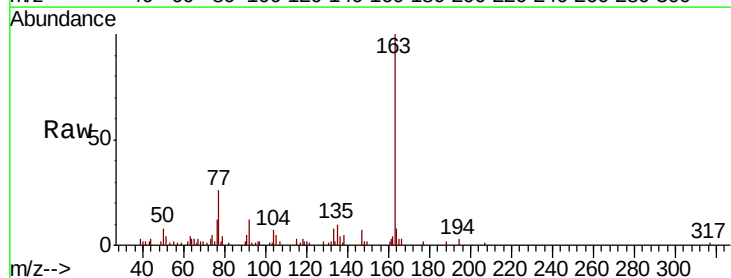
Instrument :
BNA_G
ClientSampleId :
DBG8

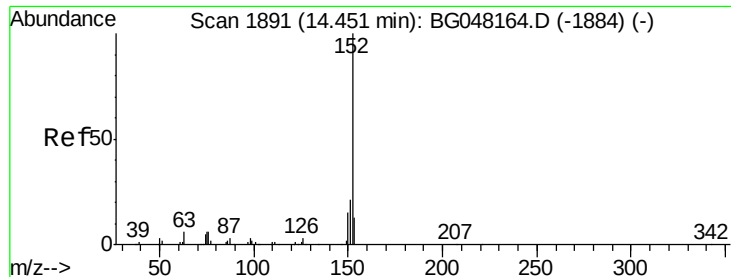
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.6	31.4	47.0
76	11.0	9.6	14.4



#45
Dimethylphthalate
Concen: 1.552 ng/ul
RT: 14.17 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BG048170.D
Acq: 16 Feb 2021 19:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.6
164	8.1	8.1	12.1





#48

Acenaphthylene

Concen: 3.517 ng/ul

RT: 14.45 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

Instrument :

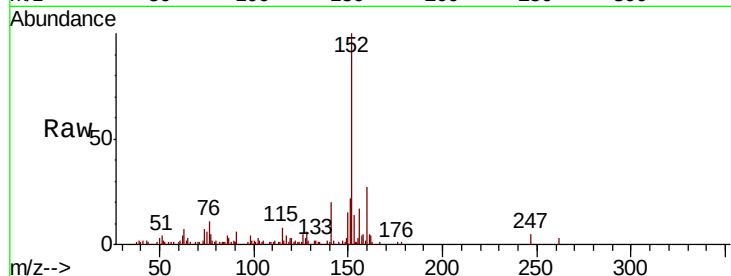
BNA_G

ClientSampleId :

DBG8

Tot Ion:152 Resp: 44855

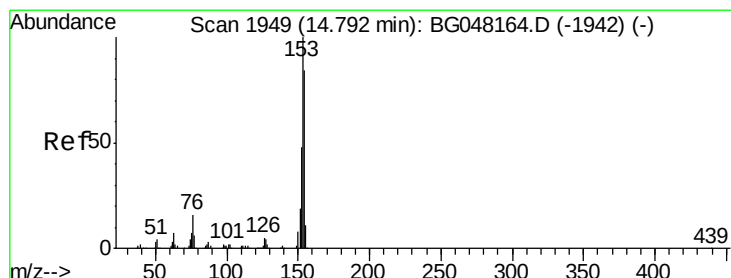
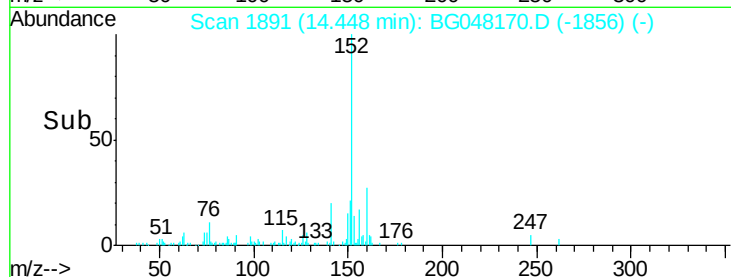
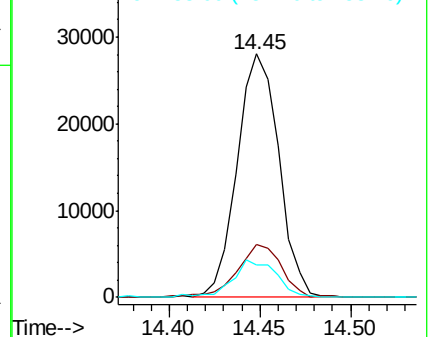
Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.8	26.6
153	13.5	11.1	16.7



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

Acenaphthene

Concen: 40.846 ng/ul

RT: 14.79 min Scan# 1949

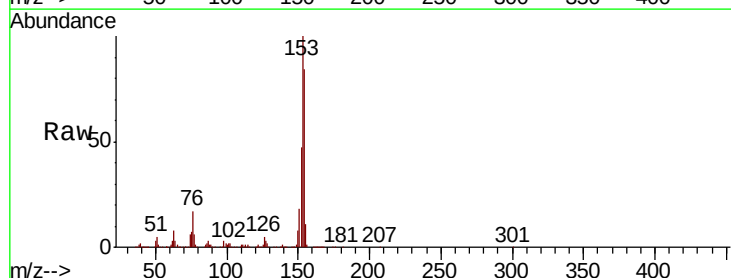
Delta R.T. 0.00 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

Tgt Ion:153 Resp: 390935

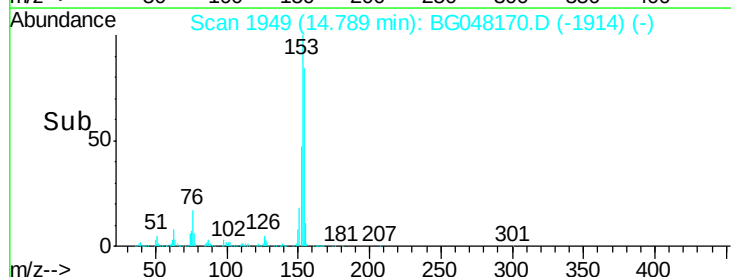
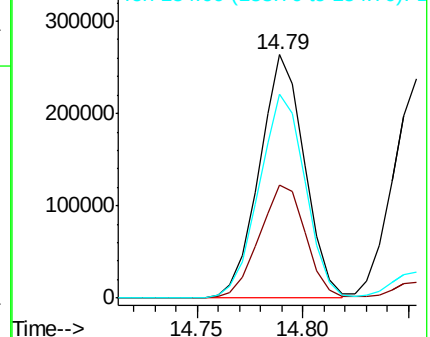
Ion	Ratio	Lower	Upper
153	100		
152	46.6	35.7	53.5
154	83.6	66.3	99.5

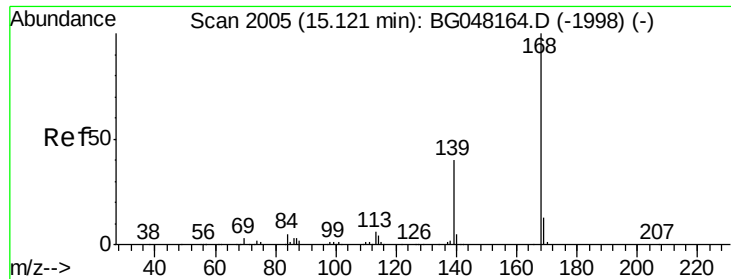


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

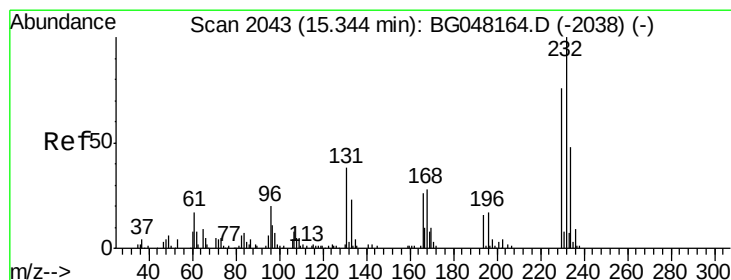
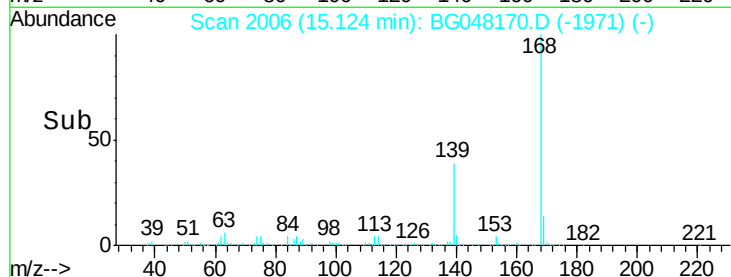
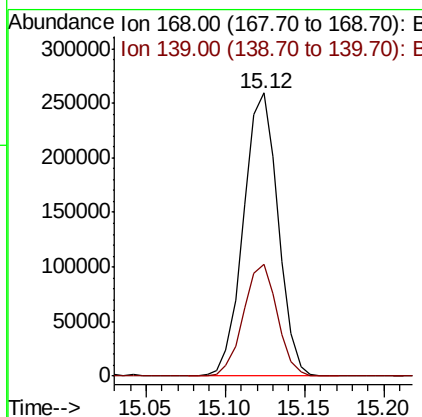
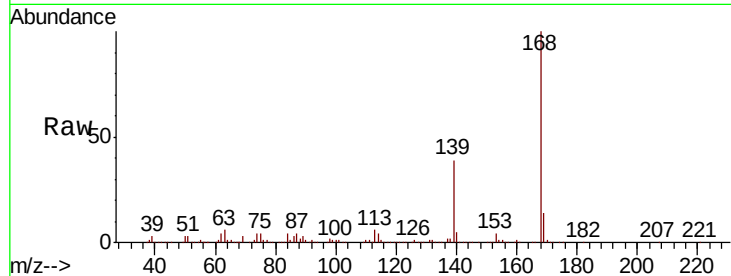




#54
Dibenzenofuran
Concen: 28.124 ng/ul
RT: 15.12 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BG048170.D
Acq: 16 Feb 2021 19:38

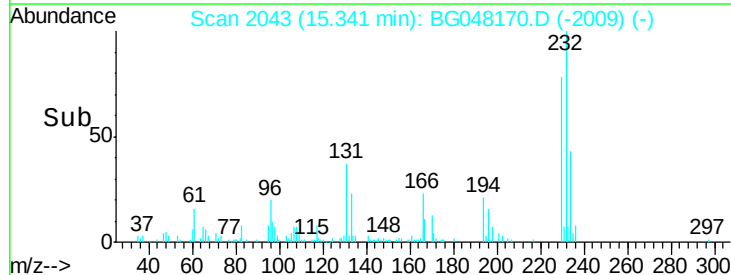
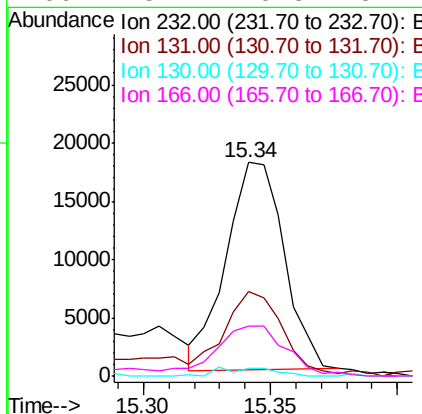
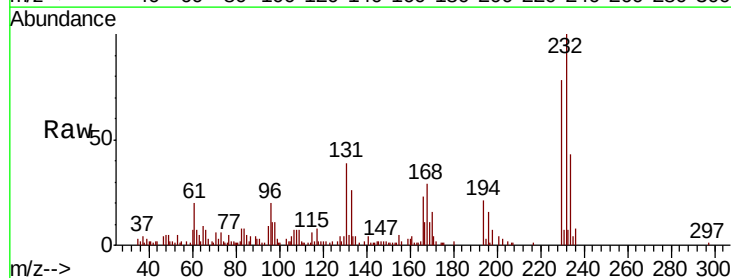
Instrument :
BNA_G
ClientSampled :
DBGL8

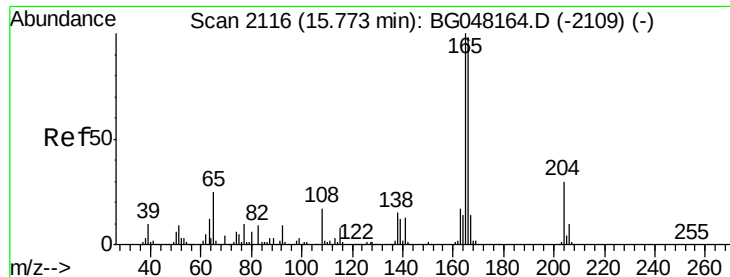
Tot Ion:168 Resp: 392846
Ion Ratio Lower Upper
168 100
139 39.3 30.9 46.3



#56
2,3,4,6-Tetrachlorophenol
Concen: 7.836 ng/ul
RT: 15.34 min Scan# 2043
Delta R.T. -0.00 min
Lab File: BG048170.D
Acq: 16 Feb 2021 19:38

Tgt Ion:232 Resp: 28397
Ion Ratio Lower Upper
232 100
131 39.3 31.0 46.6
130 3.8 0.0 0.0#
166 23.2 20.8 31.2





#59

Fluorene

Concen: 15.787 ng/ul

RT: 15.77 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

Instrument :

BNA_G

ClientSampleId :

DBGL8

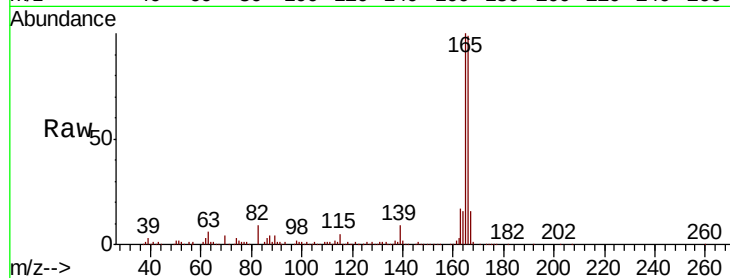
Tot Ion:166 Resp: 178279

Ion Ratio Lower Upper

166 100

165 100.7 79.4 119.0

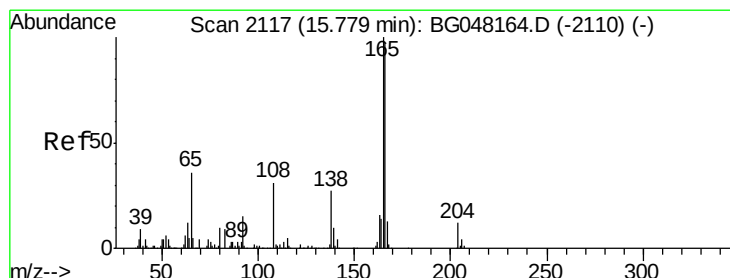
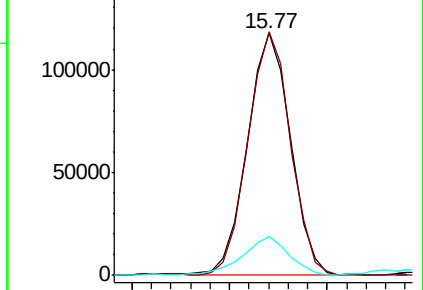
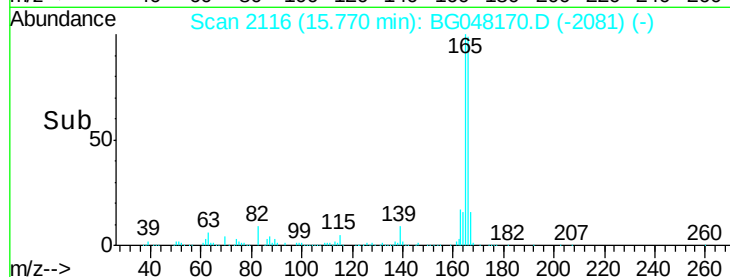
167 16.1 10.6 16.0#



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



#61

4-Nitroaniline

Concen: 1.036 ng/ul

RT: 15.76 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

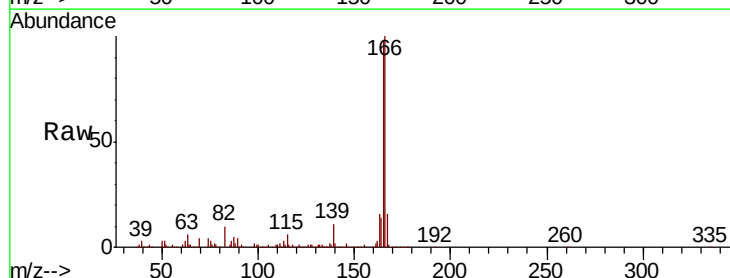
Tgt Ion:138 Resp: 2494

Ion Ratio Lower Upper

138 100

92 13.0 45.8 68.8#

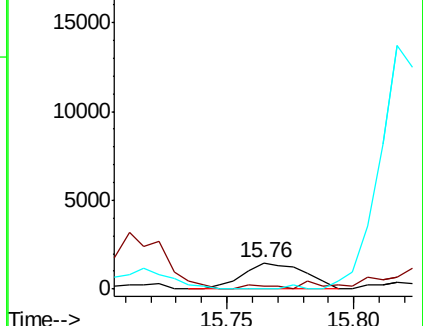
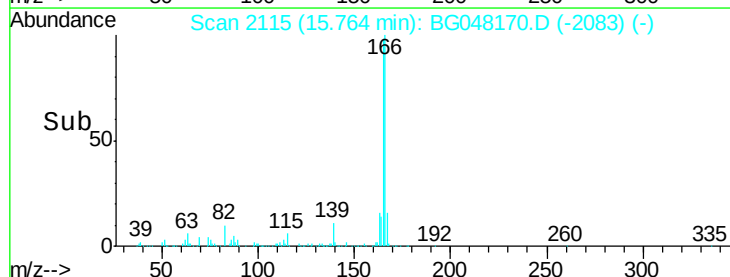
108 0.0 86.5 129.7#

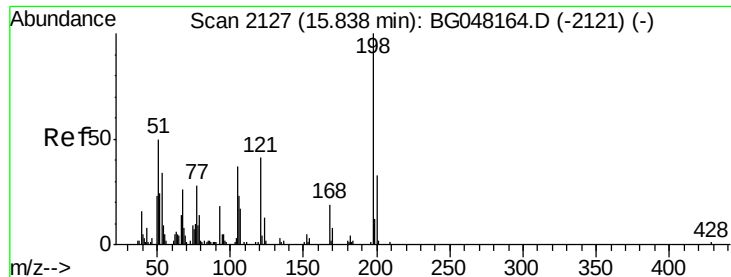


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 23.185 ng/ul

RT: 15.83 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

Instrument :

BNA_G

ClientSampleId :

DBGL8

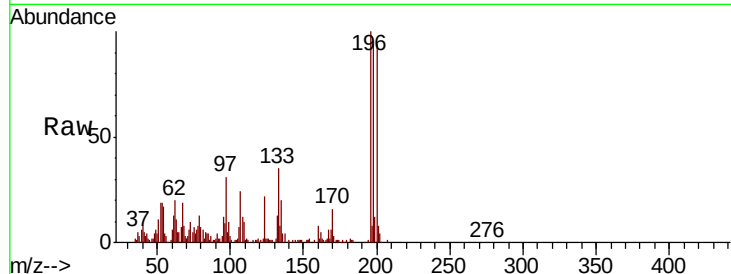
Tot Ion:198 Resp: 54110

Ion Ratio Lower Upper

198 100

182 1.9 3.5 5.3#

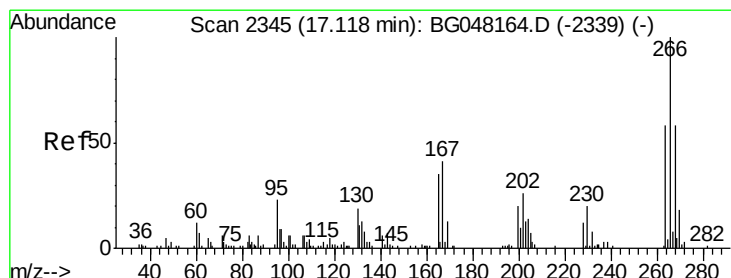
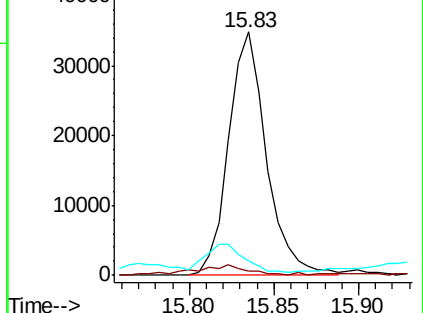
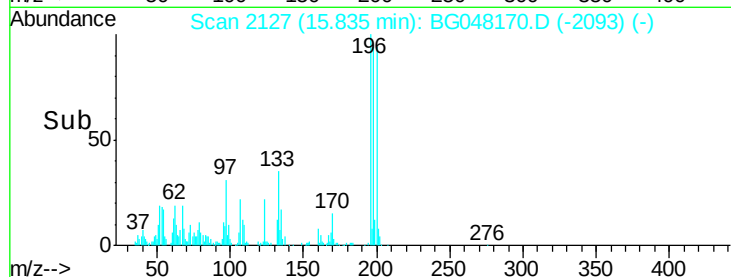
77 6.2 22.1 33.1#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): B



#69

Pentachlorophenol

Concen: 39.070 ng/ul

RT: 17.12 min Scan# 2345

Delta R.T. -0.00 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

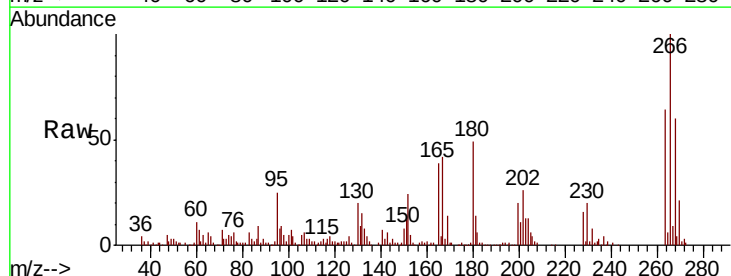
Tgt Ion:266 Resp: 104413

Ion Ratio Lower Upper

266 100

264 63.5 55.0 82.4

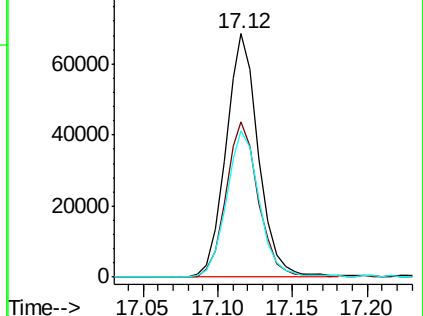
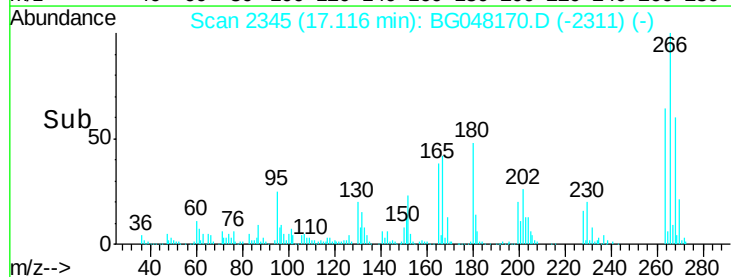
268 60.3 41.0 61.4

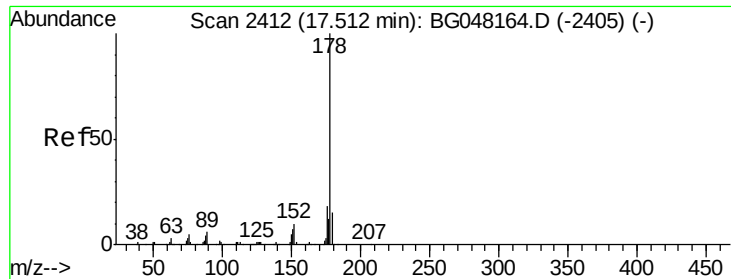


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 10.954 ng/ul

RT: 17.51 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

Instrument :

BNA_G

ClientSampleId :

DBG8

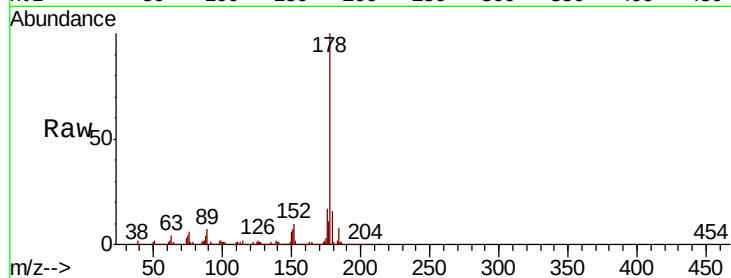
Tot Ion:178 Resp: 210237

Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

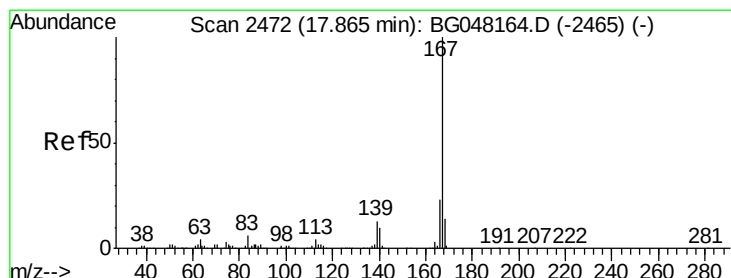
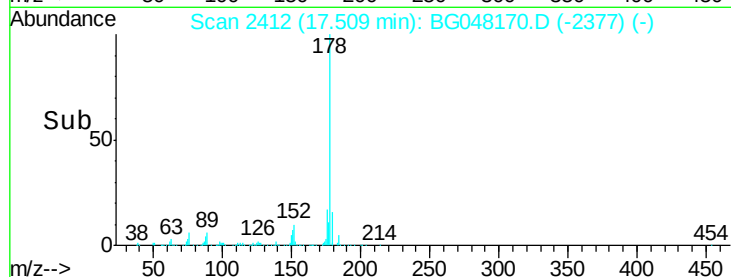
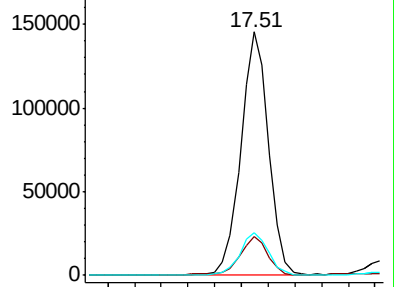
176 17.4 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 89.430 ng/ul

RT: 17.87 min Scan# 2474

Delta R.T. 0.01 min

Lab File: BG048170.D

Acq: 16 Feb 2021 19:38

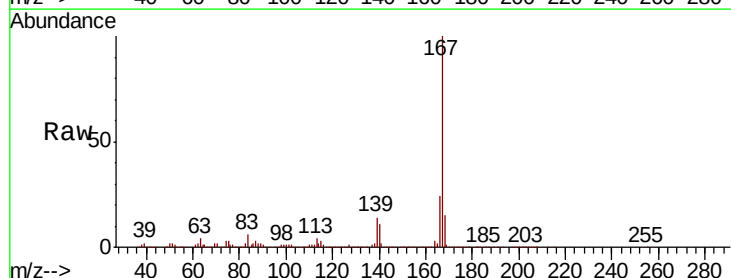
Tgt Ion:167 Resp: 1447987

Ion Ratio Lower Upper

167 100

166 24.1 16.2 24.2

139 13.9 9.6 14.4



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

