

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
 Data File : BG048168.D
 Acq On : 16 Feb 2021 18:17
 Operator : CG/JU
 Sample : M1407-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBGL1

Quant Time: Feb 17 04:05:18 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	62111	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	228336	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	163169	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	390757	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	437787	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	438933	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	6790	4.55	ng/uL	0.00
5) Phenol-d5	7.24	99	34500	6.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	92666	29.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	88055	23.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	62827	15.30	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	55064	32.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	66269	32.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	111930	27.70	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.13	166	395743	32.74	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	468319	31.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	18390	8.95	ng/ul	0.00
58) Fluorene-d10	15.72	176	353321	32.77	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	79758	33.29	ng/ul	0.00
71) Anthracene-d10	17.57	188	569333	33.98	ng/ul	0.00
79) Pyrene-d10	19.85	212	694920	31.79	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	759406	33.91	ng/ul	0.00

Target Compounds

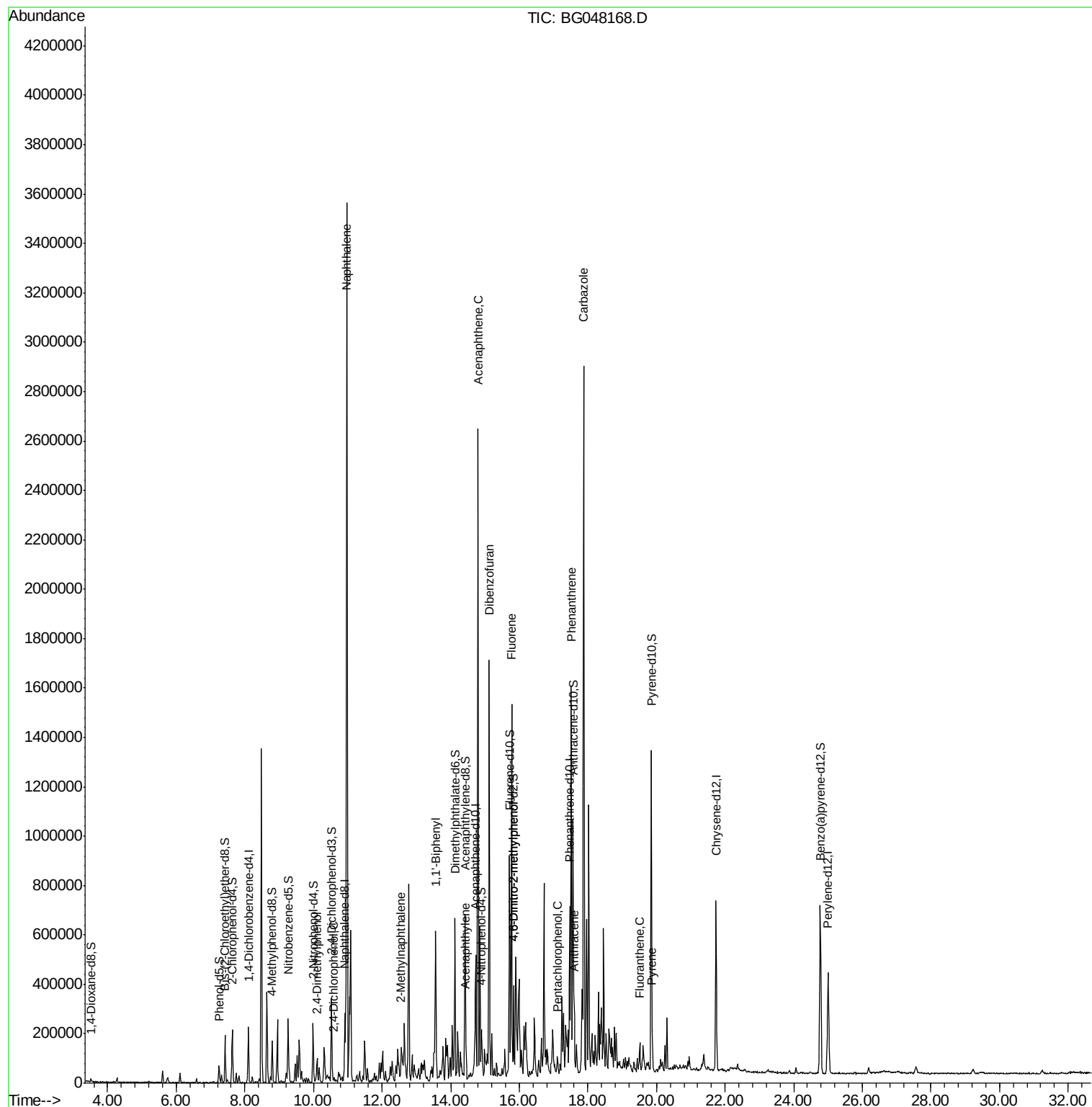
					Ovalue	
24) 2,4-Dimethylphenol	10.10	107	33336	7.160	ng/ul#	90
27) 2,4-Dichlorophenol	10.60	162	6717	1.738	ng/ul	98
28) Naphthalene	10.98	128	2674668	232.234	ng/ul#	93
34) 2-Methylnaphthalene	12.56	142	47619	5.440	ng/ul	92
41) 1,1'-Biphenyl	13.56	154	276938	24.742	ng/ul	94
48) Acenaphthylene	14.45	152	35447	2.683	ng/ul#	91
50) Acenaphthene	14.79	153	1006319	101.472	ng/ul	95
54) Dibenzofuran	15.12	168	962488	66.499	ng/ul	97
59) Fluorene	15.78	166	645825	55.193	ng/ul	97
64) 4,6-Dinitro-2-methylphenol	15.83	198	9505	3.981	ng/ul#	45
69) Pentachlorophenol	17.12	266	3302	1.208	ng/ul#	87
70) Phenanthrene	17.51	178	840202	42.796	ng/ul	97
72) Anthracene	17.60	178	77045	3.890	ng/ul	96
75) Carbazole	17.88	167	1863749	112.529	ng/ul#	91
77) Fluoranthene	19.51	202	67984	2.840	ng/ul	99
80) Pyrene	19.88	202	35919	1.321	ng/ul#	94

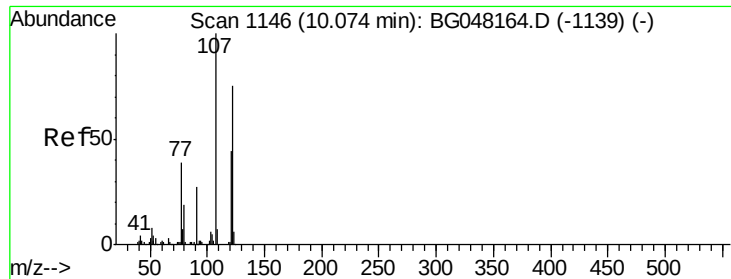
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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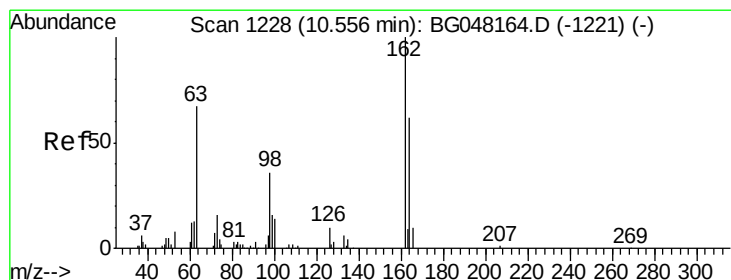
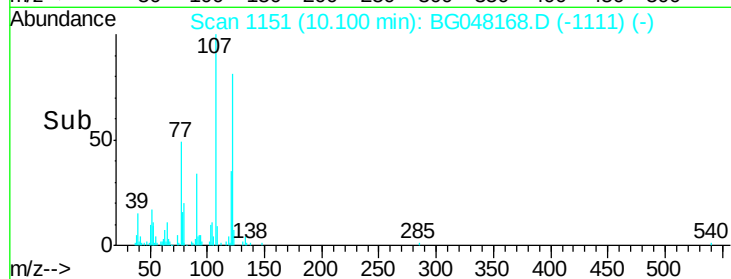
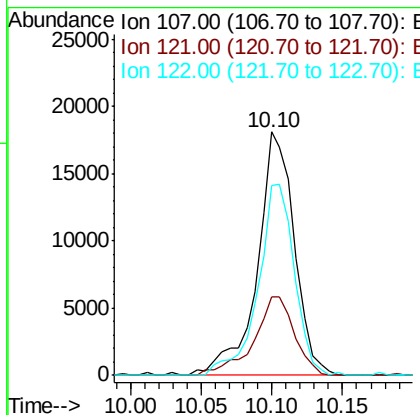
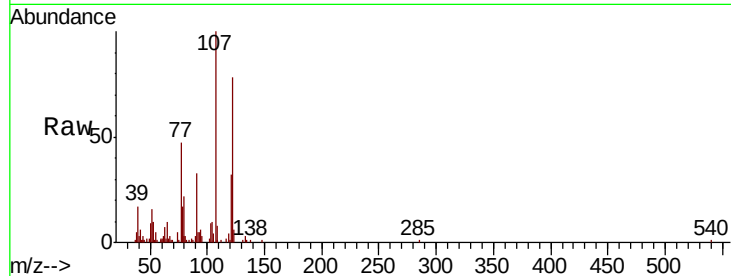




#24
2,4-Dimethylphenol
Concen: 7.160 ng/ul
RT: 10.10 min Scan# 1151
Delta R.T. 0.03 min
Lab File: BG048168.D
Acq: 16 Feb 2021 18:17

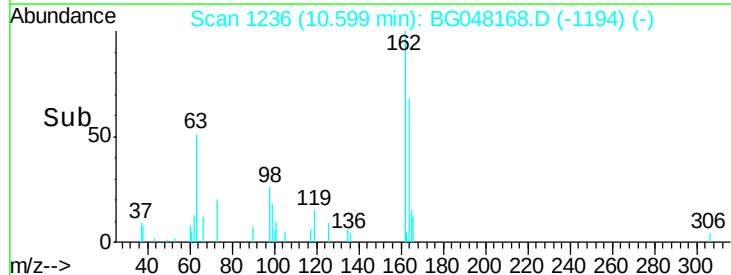
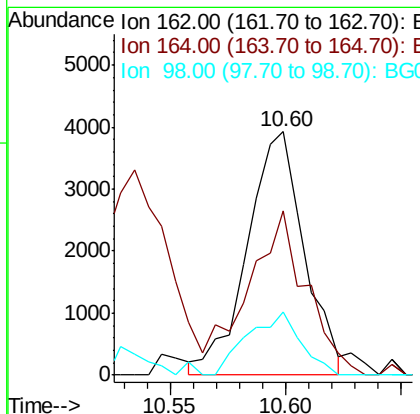
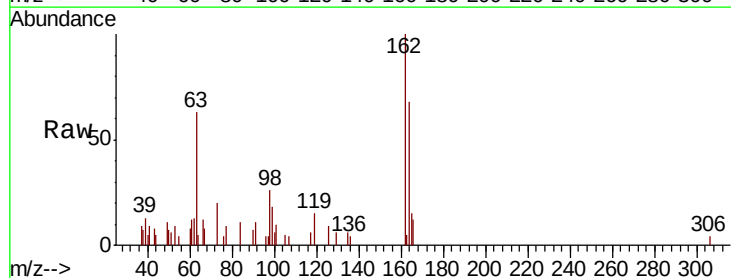
Instrument :
BNA_G
ClientSampleId :
DBGL1

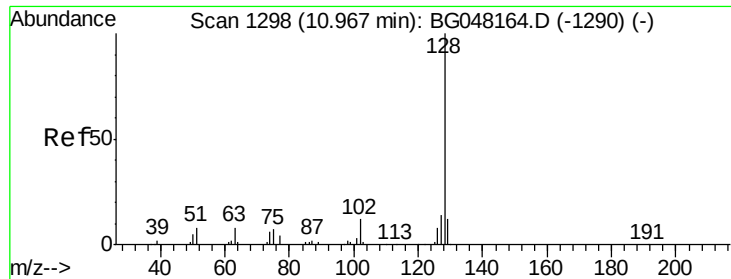
Tot Ion	Ratio	Lower	Upper
107	100		
121	32.3	37.1	55.7#
122	78.2	60.2	90.2



#27
2,4-Dichlorophenol
Concen: 1.738 ng/ul
RT: 10.60 min Scan# 1236
Delta R.T. 0.04 min
Lab File: BG048168.D
Acq: 16 Feb 2021 18:17

Tgt Ion	Ratio	Lower	Upper
162	100		
164	67.6	54.1	81.1
98	25.9	24.1	36.1

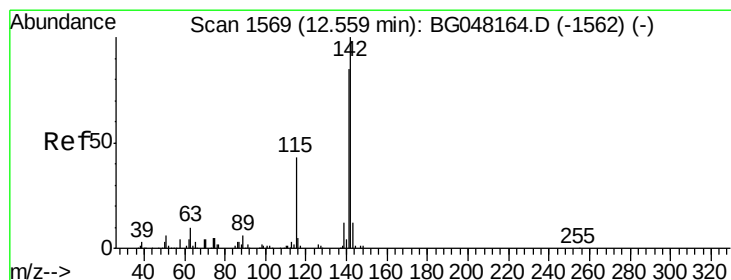
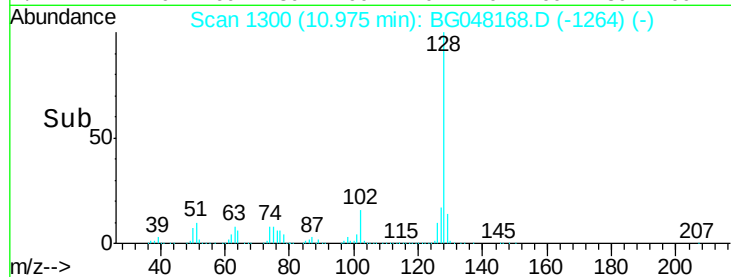
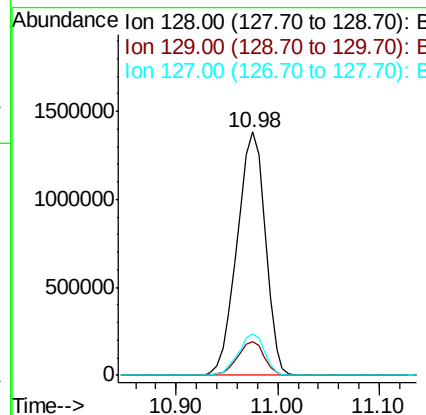
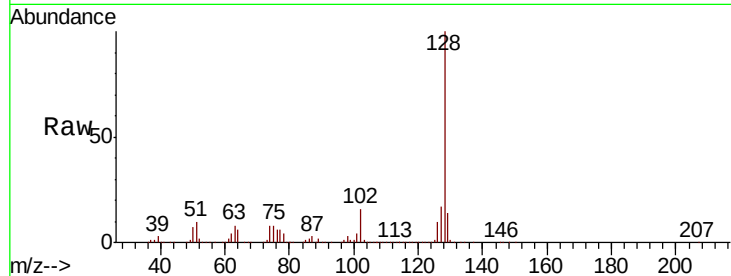




#28
Naphthalene
Concen: 232.234 ng/ul
RT: 10.98 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BG048168.D
Acq: 16 Feb 2021 18:17

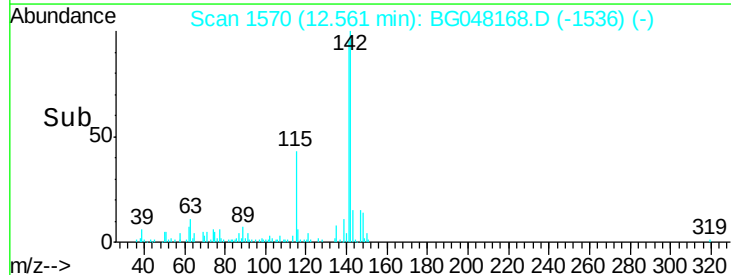
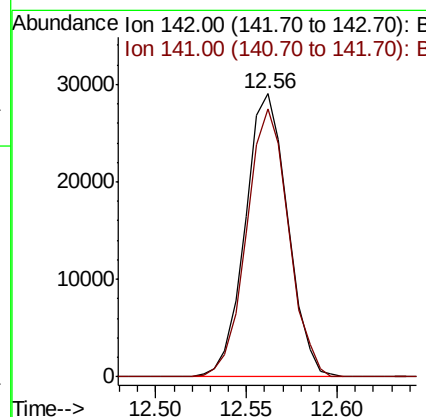
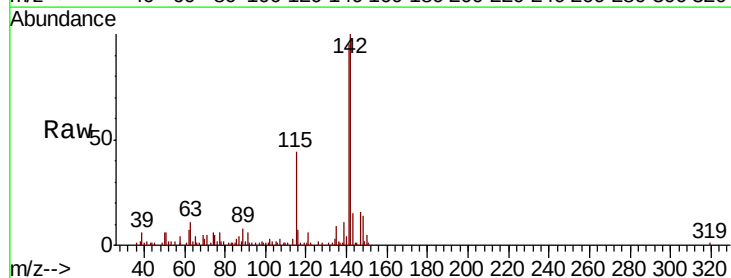
Instrument :
BNA_G
ClientSampleId :
DBGL1

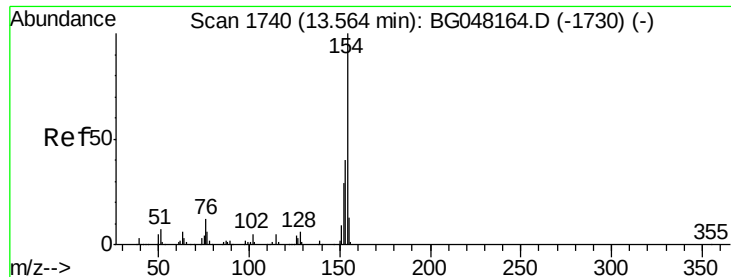
Tot Ion:128 Resp: 2674668
Ion Ratio Lower Upper
128 100
129 13.8 9.3 13.9
127 17.2 11.2 16.8#



#34
2-Methylnaphthalene
Concen: 5.440 ng/ul
RT: 12.56 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BG048168.D
Acq: 16 Feb 2021 18:17

Tgt Ion:142 Resp: 47619
Ion Ratio Lower Upper
142 100
141 94.5 69.6 104.4

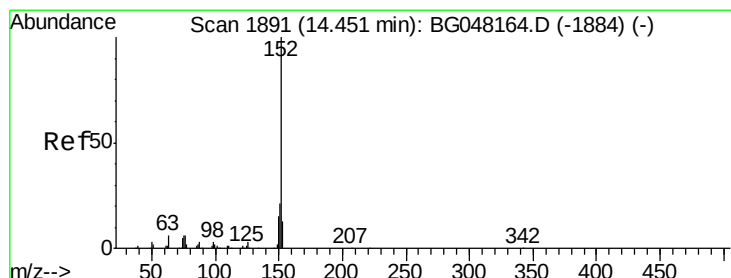
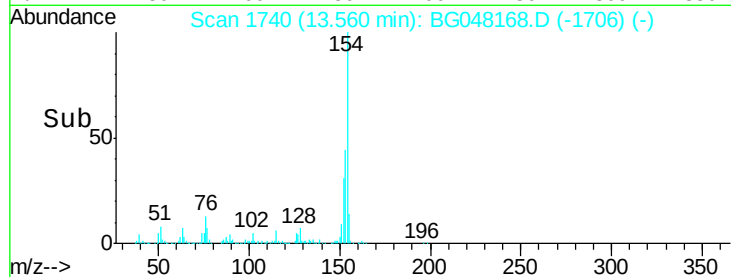
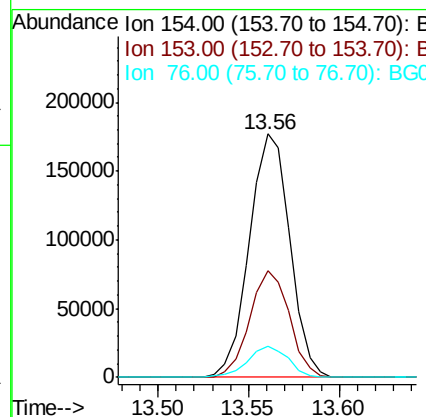
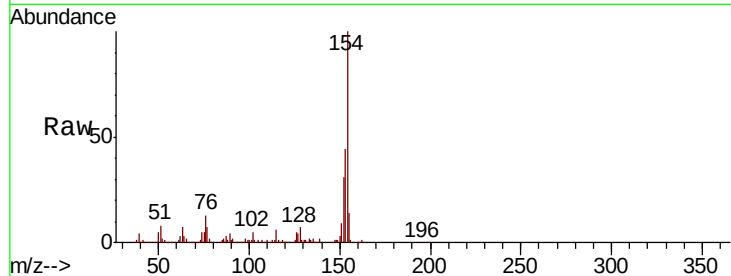




#41
 1,1'-Biphenyl
 Concen: 24.742 ng/ul
 RT: 13.56 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG048168.D
 Acq: 16 Feb 2021 18:17

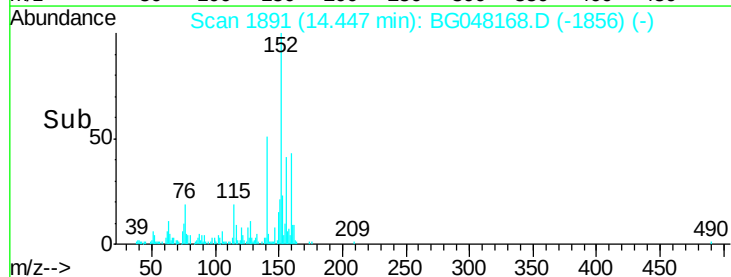
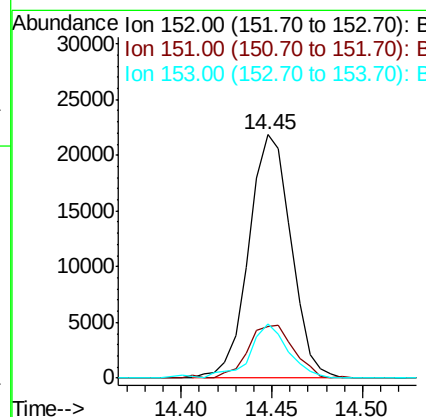
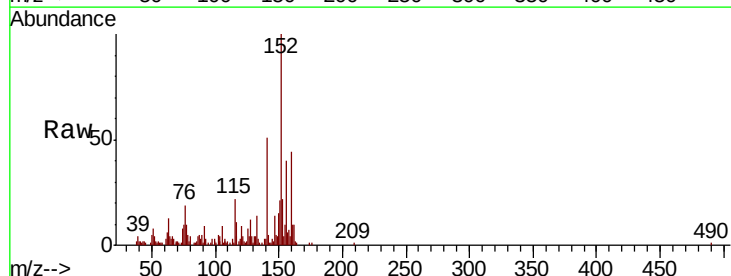
Instrument :
 BNA_G
 ClientSampleId :
 DBGL1

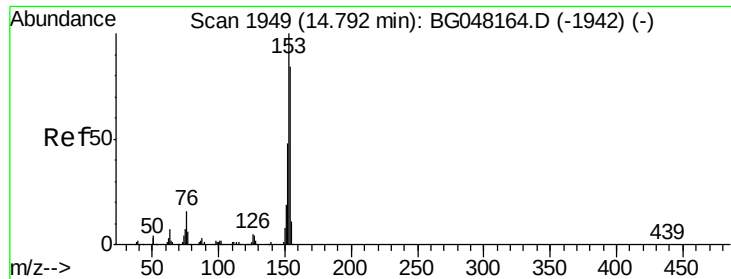
Tot Ion:154	Resp:	276938
Ion Ratio	Lower	Upper
154	100	
153	43.7	31.4 47.0
76	13.0	9.6 14.4



#48
 Acenaphthylene
 Concen: 2.683 ng/ul
 RT: 14.45 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: BG048168.D
 Acq: 16 Feb 2021 18:17

Tgt Ion:152	Resp:	35447
Ion Ratio	Lower	Upper
152	100	
151	21.1	17.8 26.6
153	22.2	11.1 16.7#





#50

Acenaphthene

Concen: 101.472 ng/ul

RT: 14.79 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

Instrument :

BNA_G

ClientSampleId :

DBGL1

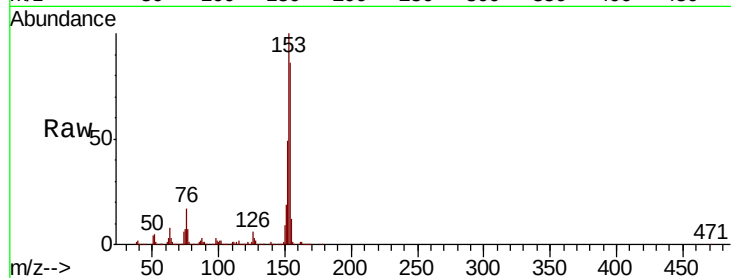
Tot Ion:153 Resp: 1006319

Ion Ratio Lower Upper

153 100

152 48.6 35.7 53.5

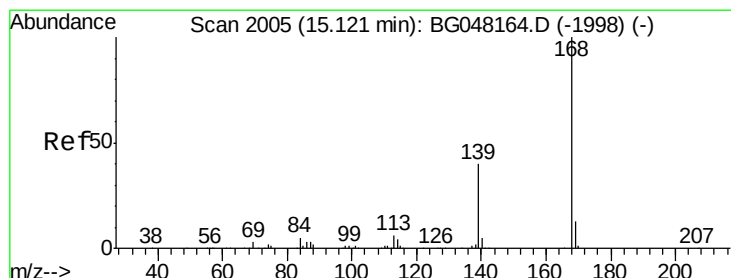
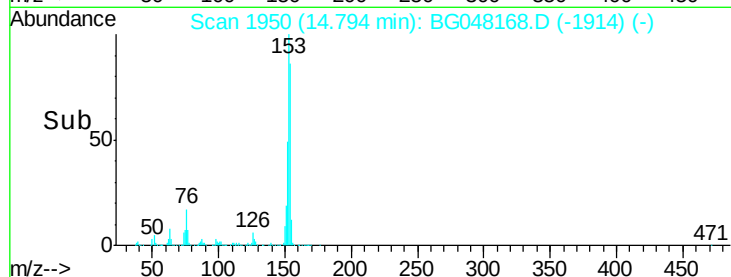
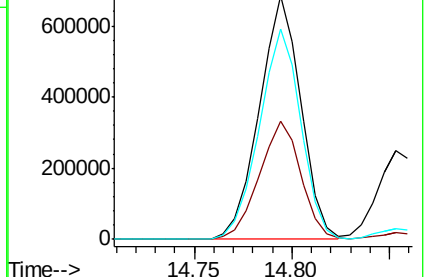
154 86.3 66.3 99.5



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

Dibenzofuran

Concen: 66.499 ng/ul

RT: 15.12 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BG048168.D

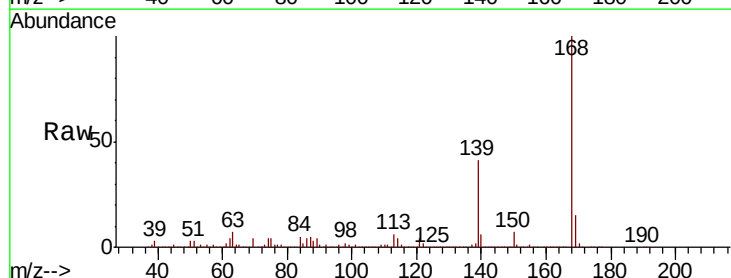
Acq: 16 Feb 2021 18:17

Tgt Ion:168 Resp: 962488

Ion Ratio Lower Upper

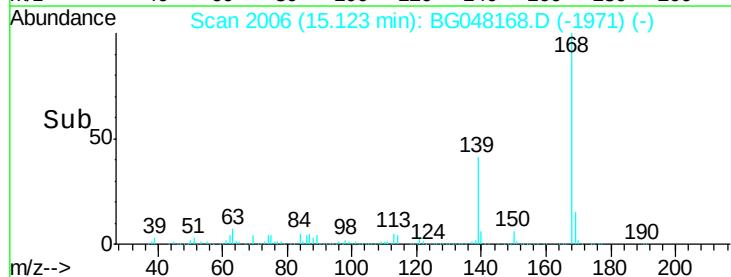
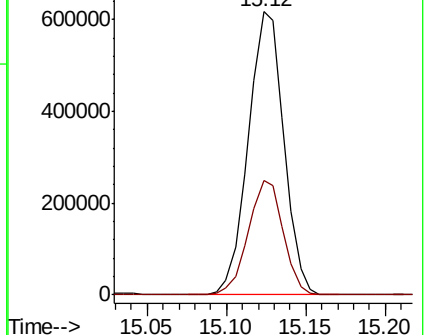
168 100

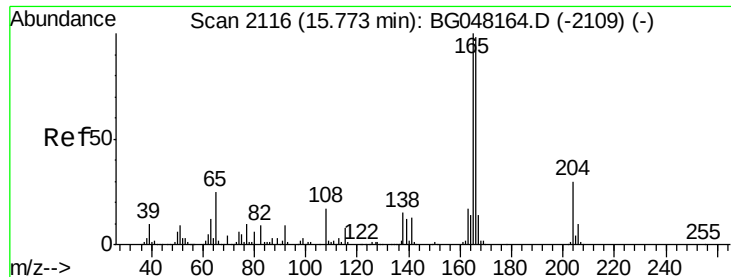
139 40.6 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 55.193 ng/ul

RT: 15.78 min Scan# 2117

Delta R.T. 0.01 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

Instrument :

BNA_G

ClientSampleId :

DBGL1

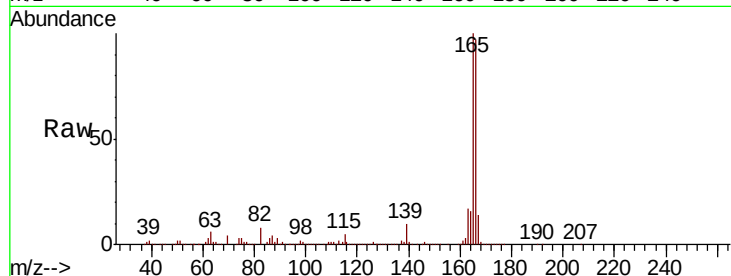
Tot Ion:166 Resp: 645825

Ion Ratio Lower Upper

166 100

165 102.6 79.4 119.0

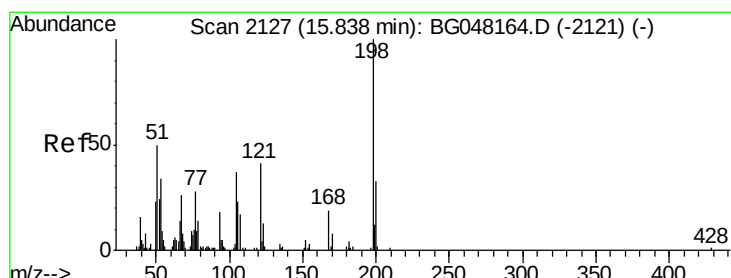
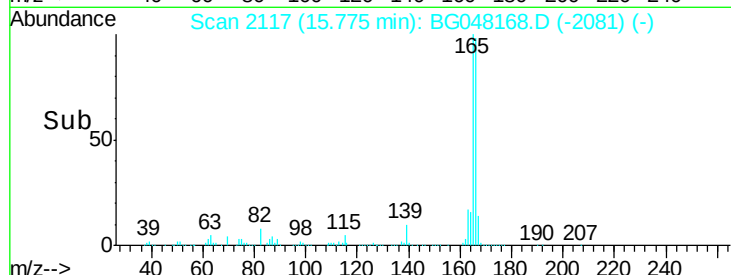
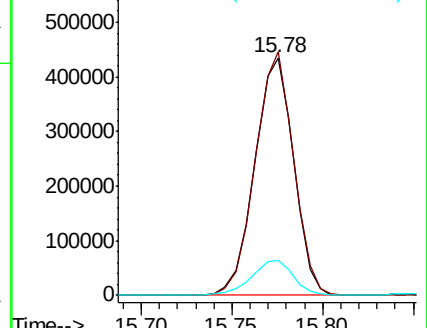
167 14.8 10.6 16.0



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



#64

4,6-Dinitro-2-methylphenol

Concen: 3.981 ng/ul

RT: 15.83 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

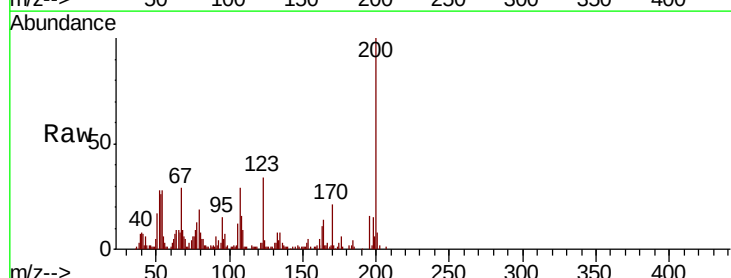
Tgt Ion:198 Resp: 9505

Ion Ratio Lower Upper

198 100

182 13.3 3.5 5.3#

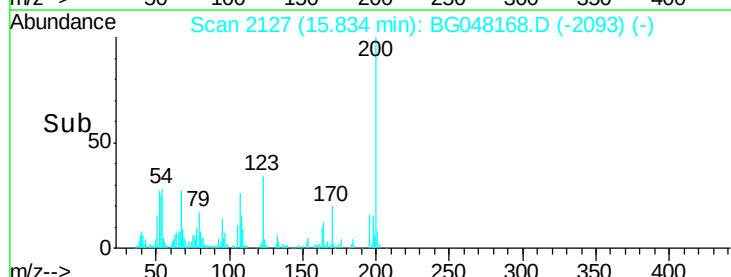
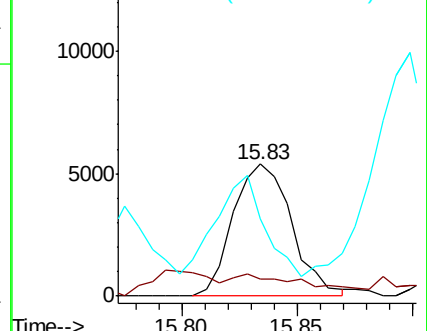
77 58.5 22.1 33.1#

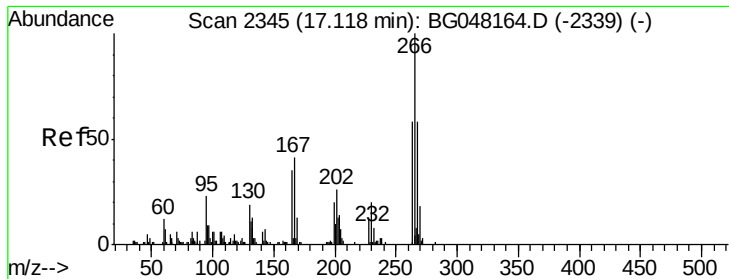


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BG

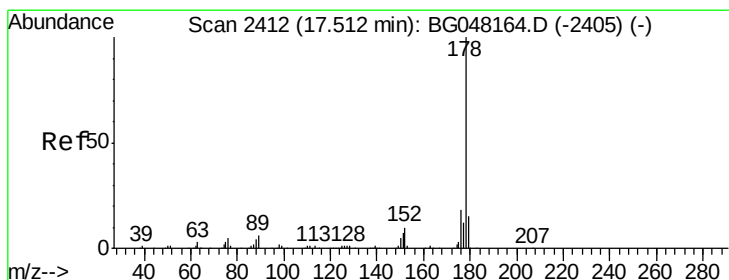
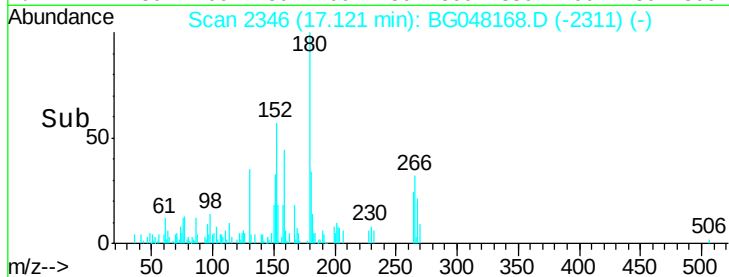
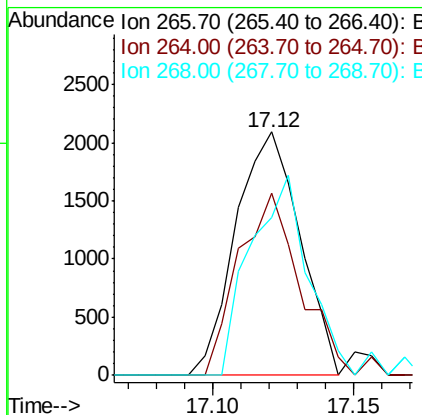
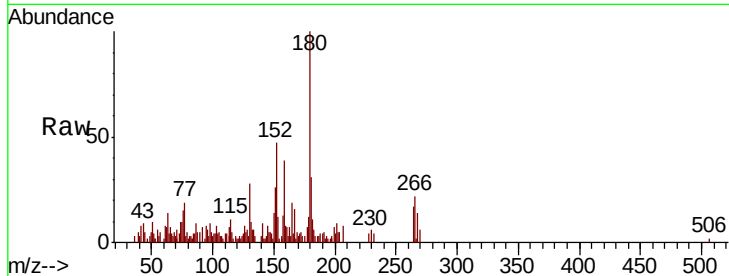




#69
 Pentachlorophenol
 Concen: 1.208 ng/ul
 RT: 17.12 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: BG048168.D
 Acq: 16 Feb 2021 18:17

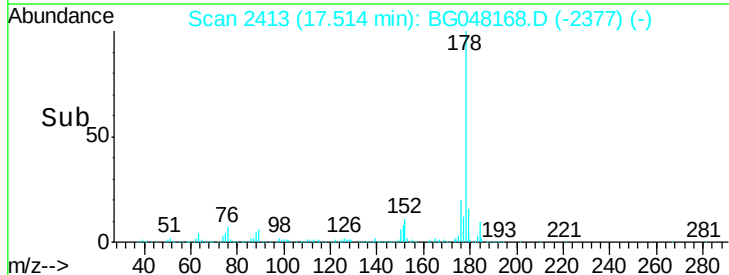
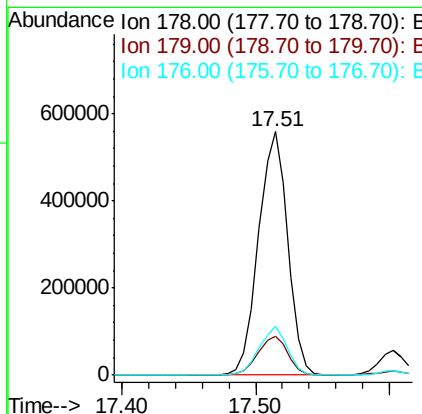
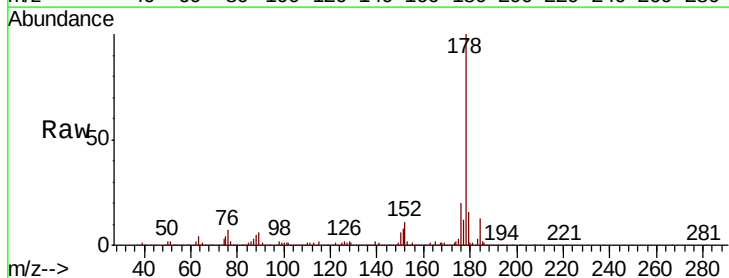
Instrument :
 BNA_G
 ClientSampled :
 DBGL1

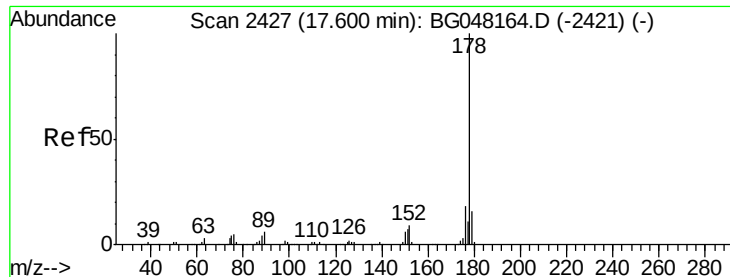
Tot Ion	Ratio	Lower	Upper
266	100		
264	74.7	55.0	82.4
268	64.7	41.0	61.4



#70
 Phenanthrene
 Concen: 42.796 ng/ul
 RT: 17.51 min Scan# 2413
 Delta R.T. 0.01 min
 Lab File: BG048168.D
 Acq: 16 Feb 2021 18:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.0	18.0
176	20.0	14.9	22.3





#72

Anthracene

Concen: 3.890 ng/ul

RT: 17.60 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

Instrument :

BNA_G

ClientSampleId :

DBG1

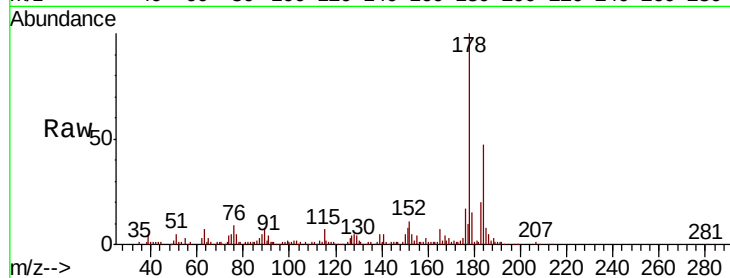
Tot Ion:178 Resp: 77045

Ion Ratio Lower Upper

178 100

179 14.6 12.4 18.6

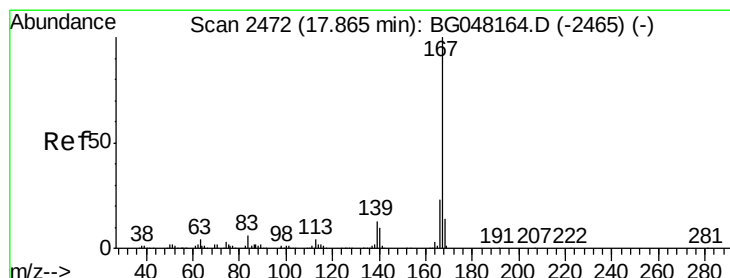
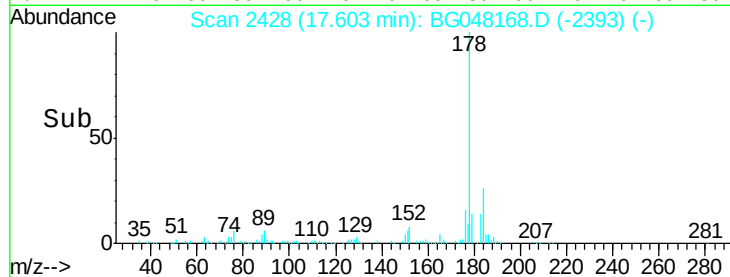
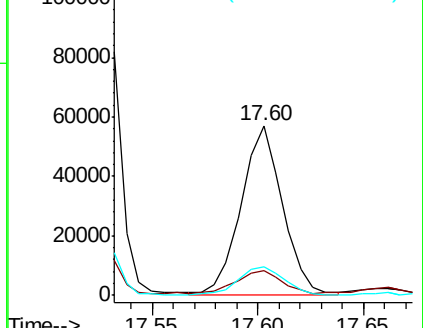
176 16.6 15.1 22.7



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: 112.529 ng/ul

RT: 17.88 min Scan# 2475

Delta R.T. 0.01 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

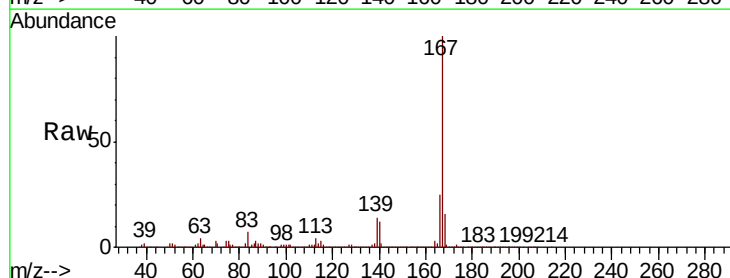
Tgt Ion:167 Resp: 1863749

Ion Ratio Lower Upper

167 100

166 25.5 16.2 24.2#

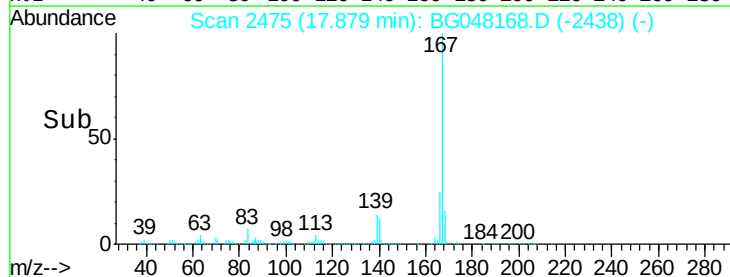
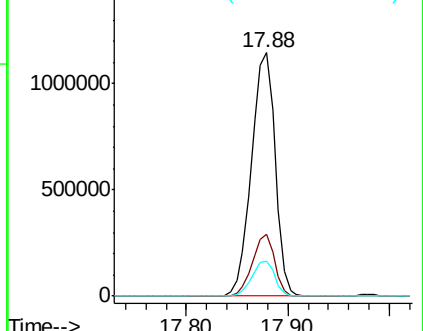
139 14.5 9.6 14.4#

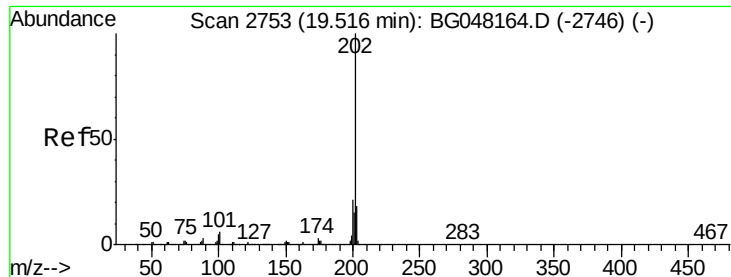


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

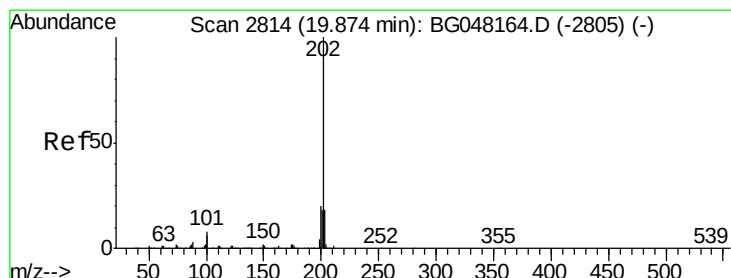
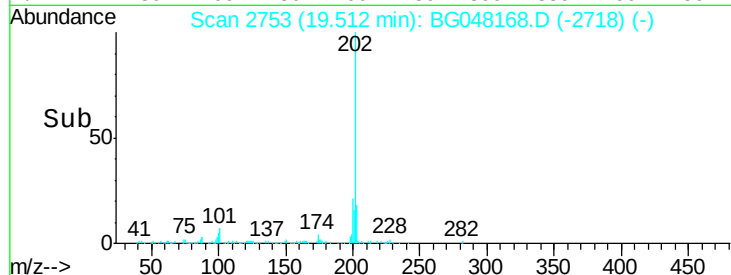
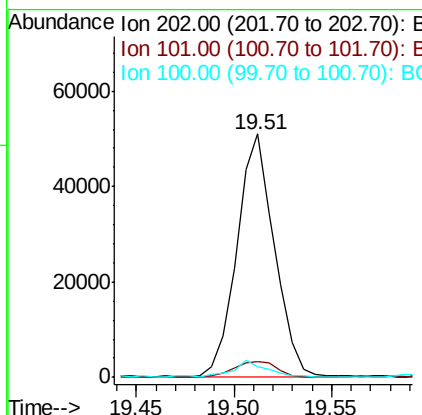
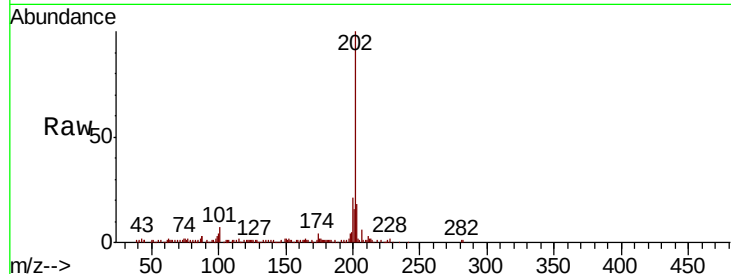




#77
Fluoranthene
Concen: 2.840 ng/ul
RT: 19.51 min Scan# 2753
Delta R.T. 0.00 min
Lab File: BG048168.D
Acq: 16 Feb 2021 18:17

Instrument :
BNA_G
ClientSampleId :
DBGL1

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.4	8.2
100	4.5	4.1	6.1



#80
Pyrene
Concen: 1.321 ng/ul
RT: 19.88 min Scan# 2815
Delta R.T. 0.00 min
Lab File: BG048168.D
Acq: 16 Feb 2021 18:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	5.6	8.4#
100	8.4	5.2	7.8#

