

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 16 23:35:40 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	11.06	131	2986	0.75	ng/ul	0.01
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	
17) Hexachloroethane	9.21	117	2911	1.677	ng/ul#	1
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
30) 4-Chloroaniline	10.98	127	429060	104.758	ng/ul#	26
34) 2-Methylnaphthalene	12.56	142	47619	5.440	ng/ul	92
35) 1-Methylnaphthalene	12.78	142	327377	38.660	ng/uL#	97
41) 1,1'-Biophenyl	13.56	154	276938	24.742	ng/ul	94
43) 2-Nitroaniline	13.78	65	3825	1.199	ng/ul#	17
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
56) 2,3,4,6-Tetrachlorophenol	15.26	232	5923	1.577	ng/ul	90
59) Fluorene	15.78	166	645825	55.193	ng/ul	97
61) 4-Nitroaniline	15.77	138	8916	3.576	ng/ul#	13
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) Pvrene	19.88	202	35919	1.321	ng/ul#	94

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Quant Title : SVOA CALIBRATION
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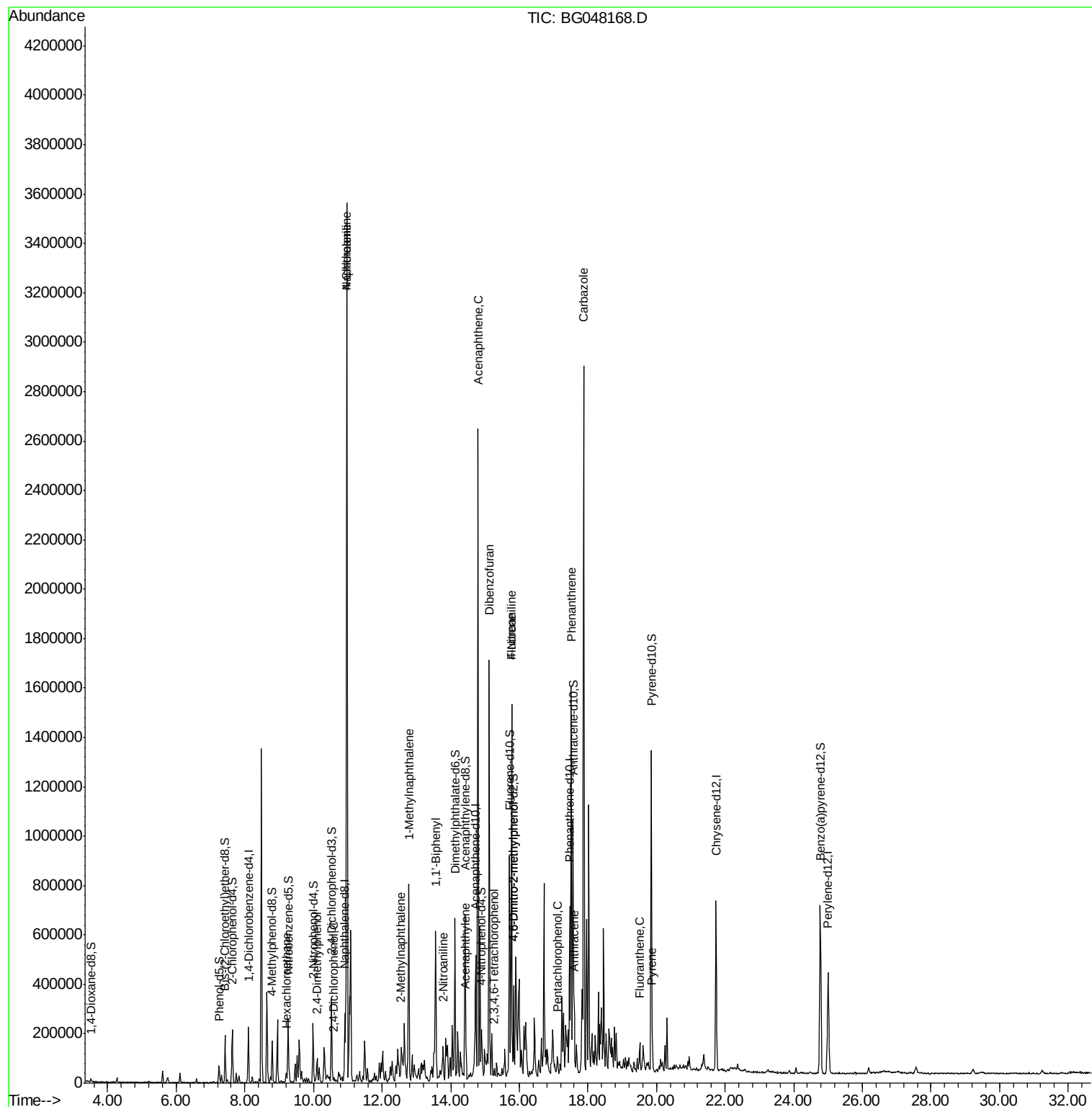
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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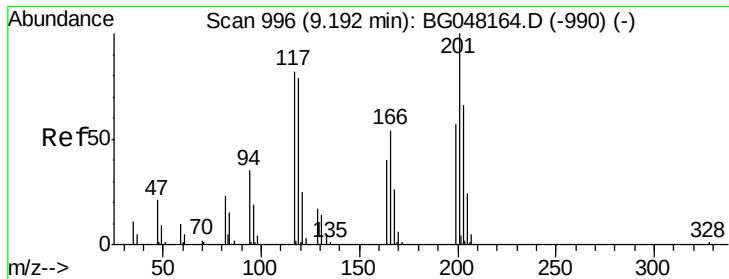
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

Hexachloroethane

Concen: 1.677 ng/ul

RT: 9.21 min Scan# 999

Delta R.T. 0.01 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

Instrument :

BNA_G

ClientSampleId :

DBGL1

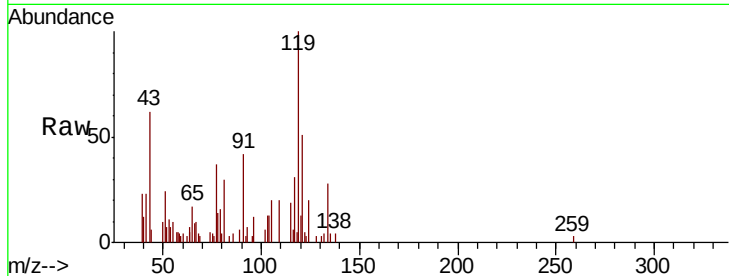
Tot Ion:117 Resp: 2911

Ion Ratio Lower Upper

117 100

201 0.0 98.4 147.6#

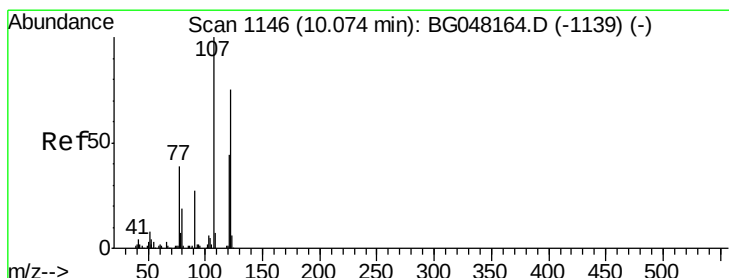
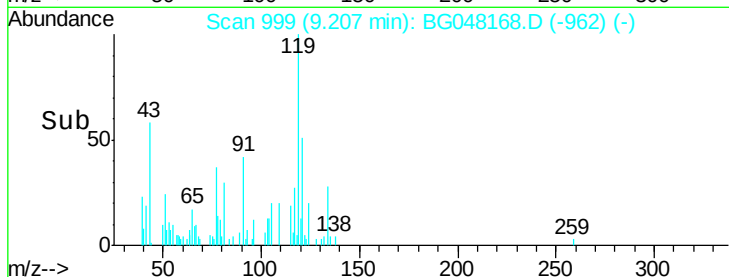
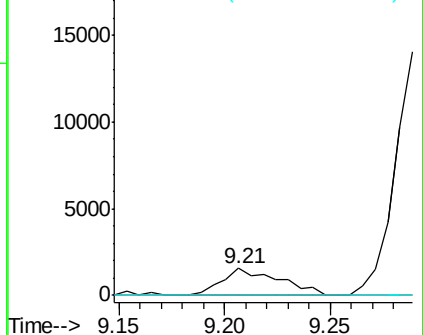
199 0.0 58.6 87.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#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

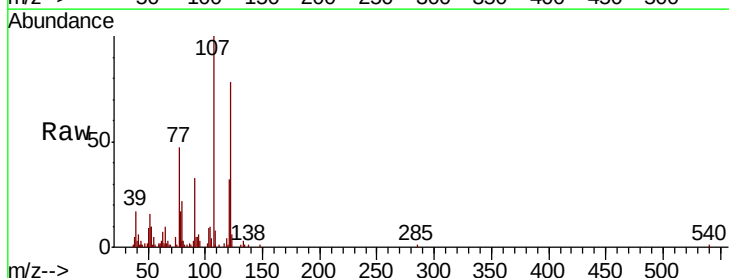
Tgt Ion:107 Resp: 33336

Ion Ratio Lower Upper

107 100

121 32.3 37.1 55.7#

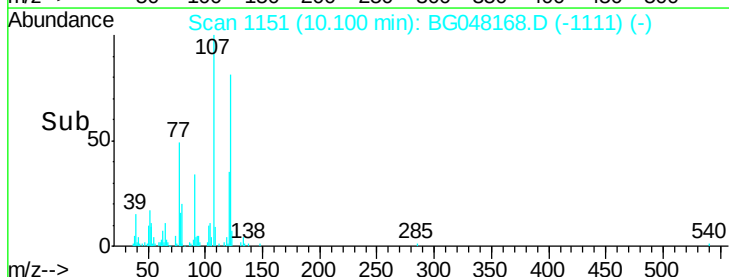
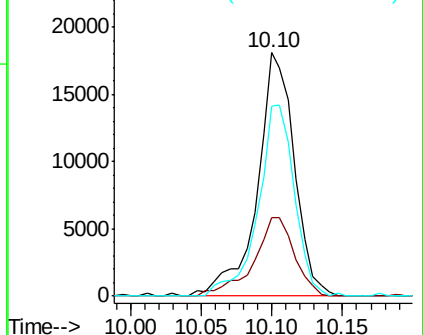
122 78.2 60.2 90.2

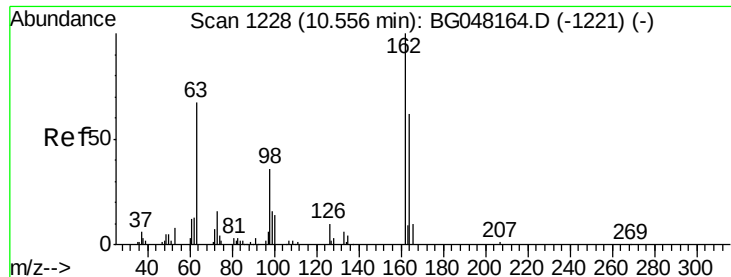


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

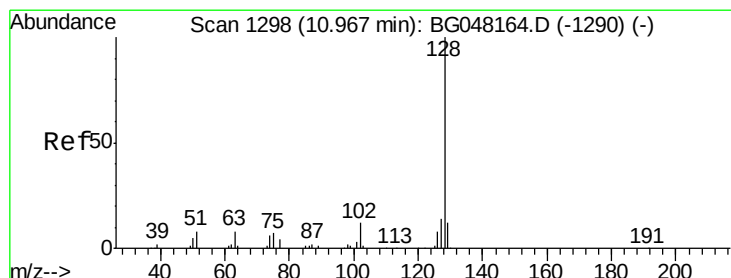
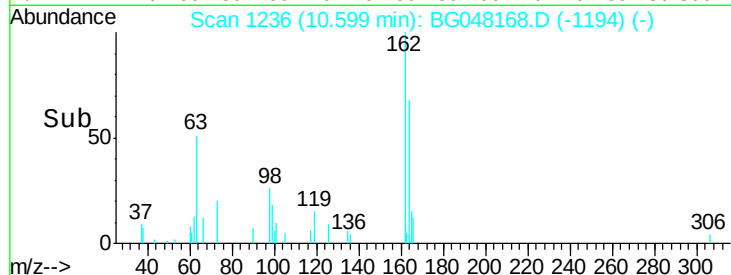
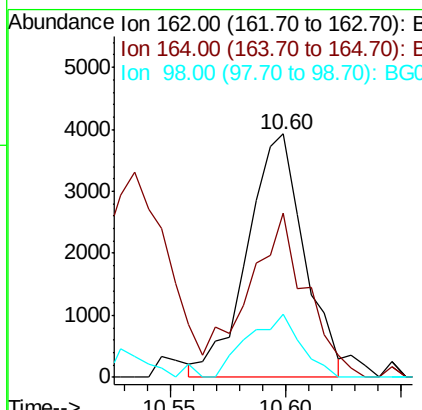
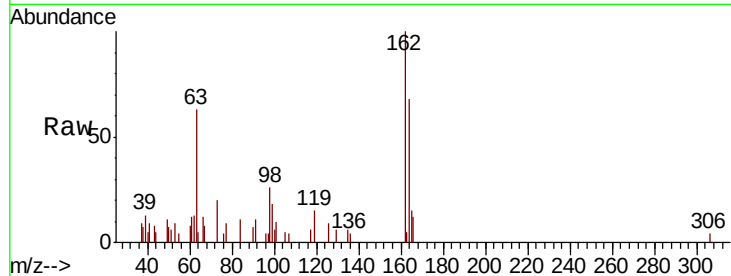




#27
2,4-Dichlorophenol
Concen: 1.738 ng/ul
RT: 10.60 min Scan# 1236
Delta R.T. 0.04 min
Lab File: BG048168.D
Acq: 16 Feb 2021 18:17

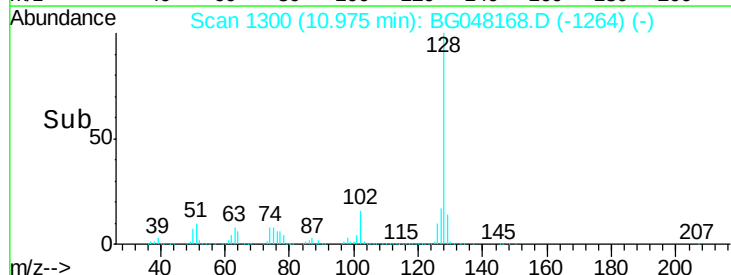
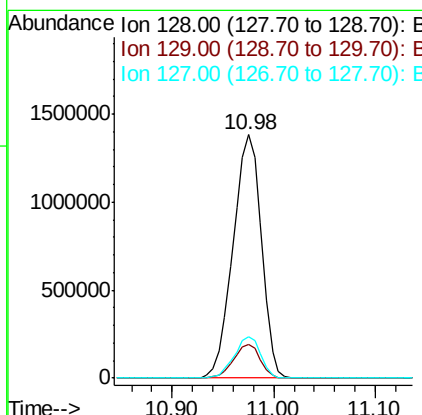
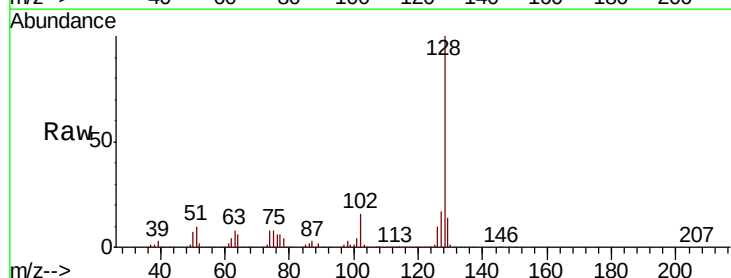
Instrument :
BNA_G
ClientSampled :
DBGL1

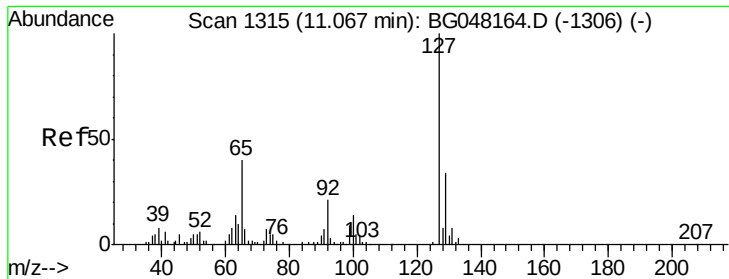
Tot Ion:162 Resp: 6717
Ion Ratio Lower Upper
162 100
164 67.6 54.1 81.1
98 25.9 24.1 36.1



#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

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





#30

4-Chloroaniline

Concen: 104.758 ng/ul

RT: 10.98 min Scan# 1300

Delta R.T. -0.09 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

Instrument :

BNA_G

ClientSampleId :

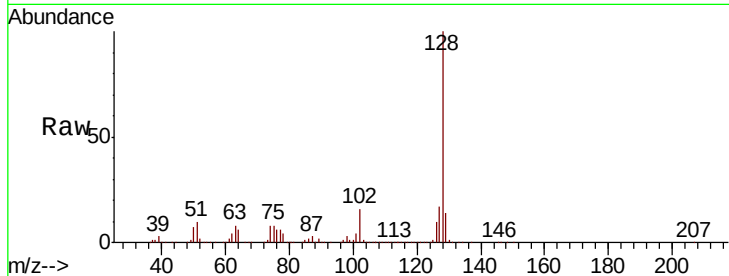
DBGL1

Tot Ion:127 Resp: 429060

Ion Ratio Lower Upper

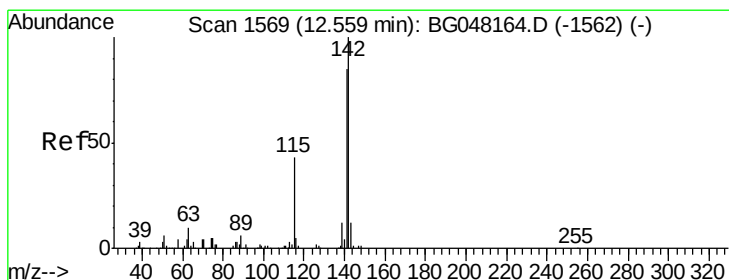
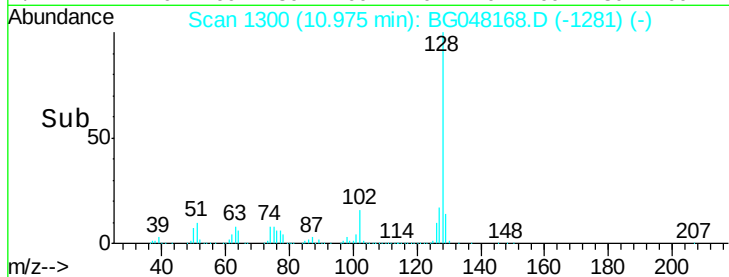
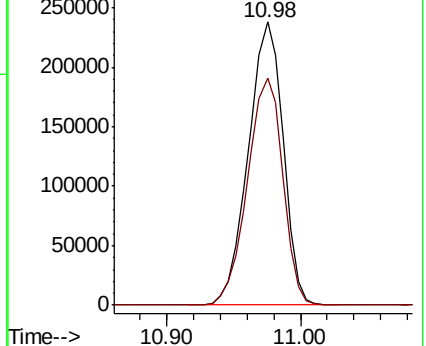
127 100

129 80.4 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: 5.440 ng/ul

RT: 12.56 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BG048168.D

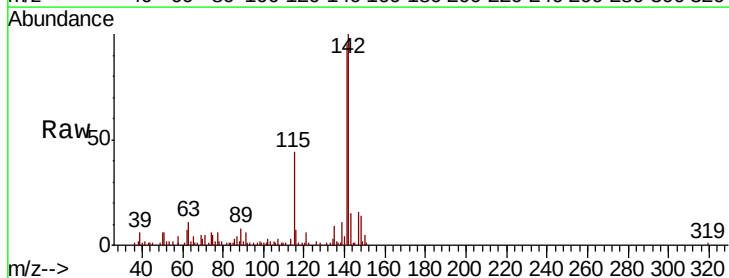
Acq: 16 Feb 2021 18:17

Tgt Ion:142 Resp: 47619

Ion Ratio Lower Upper

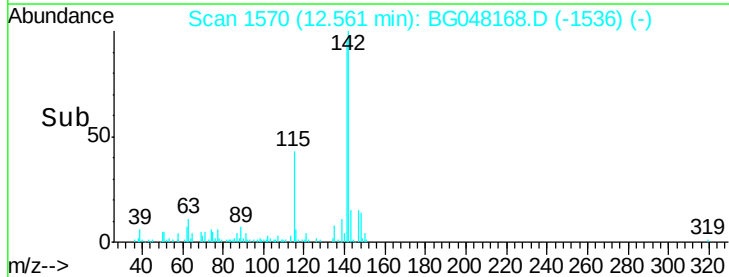
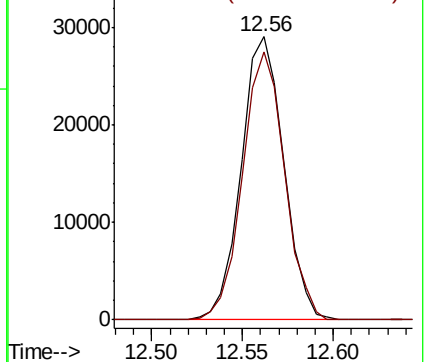
142 100

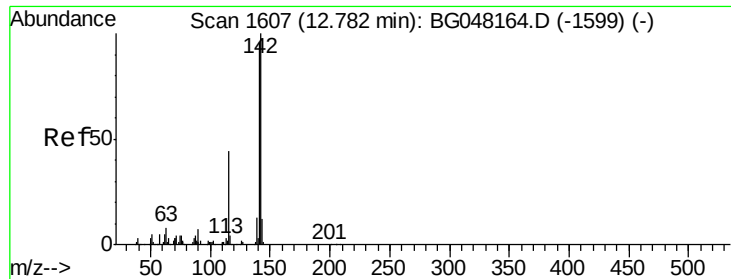
141 94.5 69.6 104.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 38.660 ng/uL

RT: 12.78 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

Instrument :

BNA_G

ClientSampleId :

DBGL1

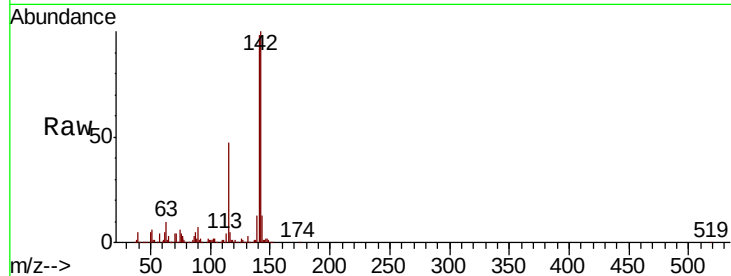
Tot Ion:142 Resp: 327377

Ion Ratio Lower Upper

142 100

141 96.4 75.0 112.6

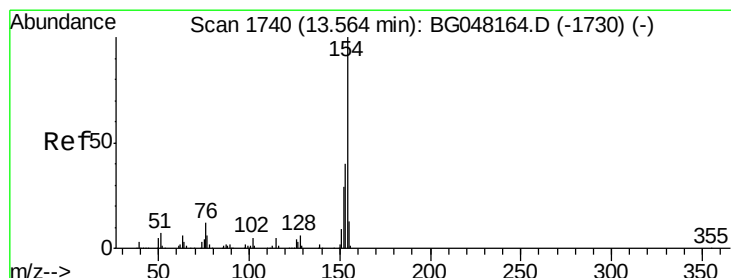
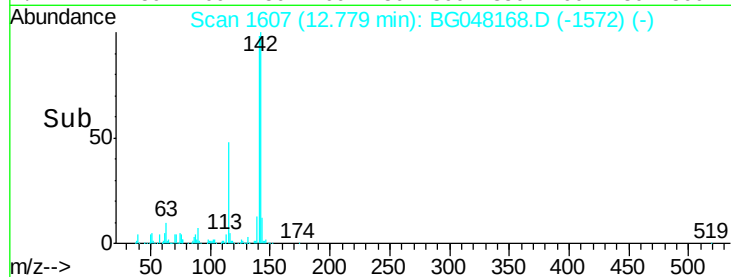
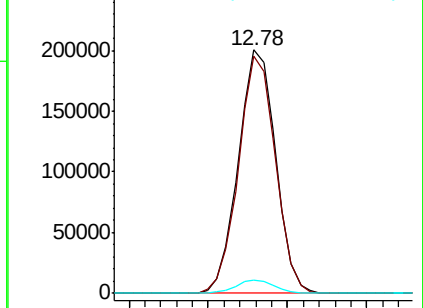
116 5.7 3.7 5.5#



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



#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

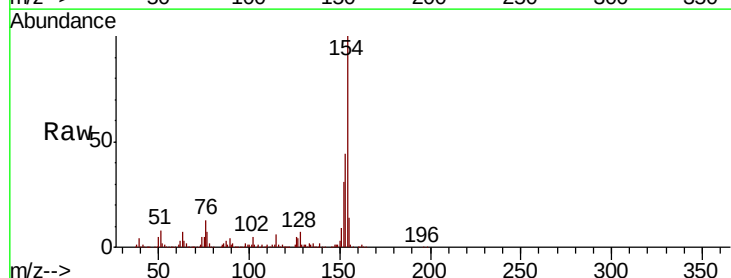
Tgt Ion:154 Resp: 276938

Ion Ratio Lower Upper

154 100

153 43.7 31.4 47.0

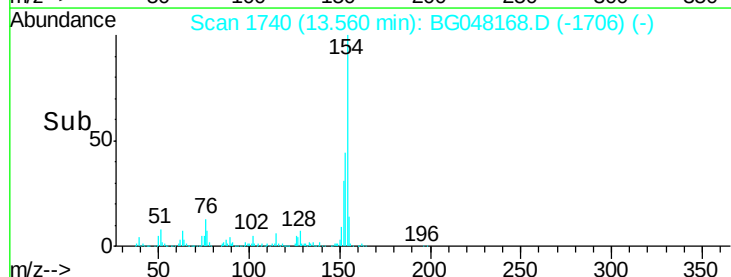
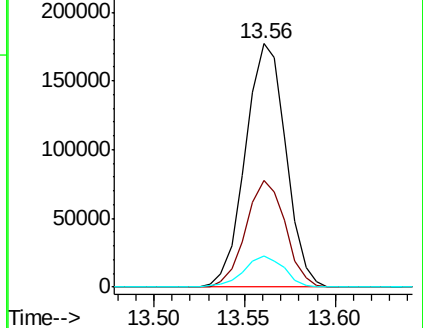
76 13.0 9.6 14.4

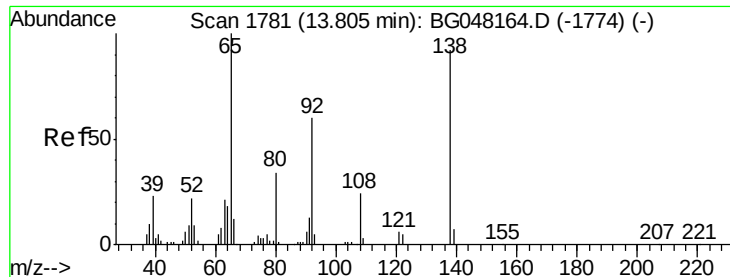


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





#43

2-Nitroaniline

Concen: 1.199 ng/ul

RT: 13.78 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

Instrument :

BNA_G

ClientSampleId :

DBGL1

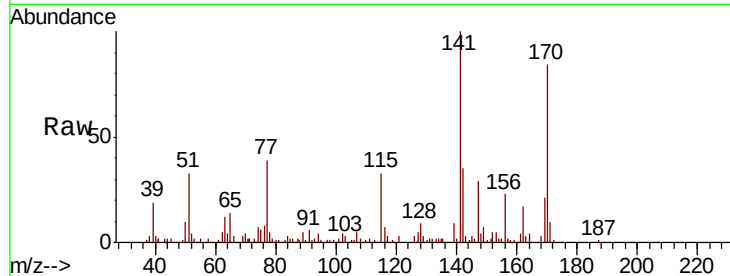
Tot Ion: 65 Resp: 3825

Ion Ratio Lower Upper

65 100

92 7.7 50.5 75.7#

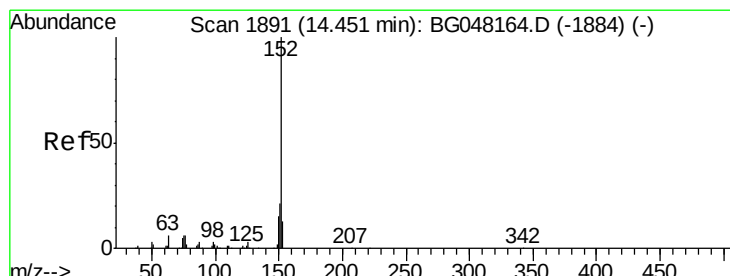
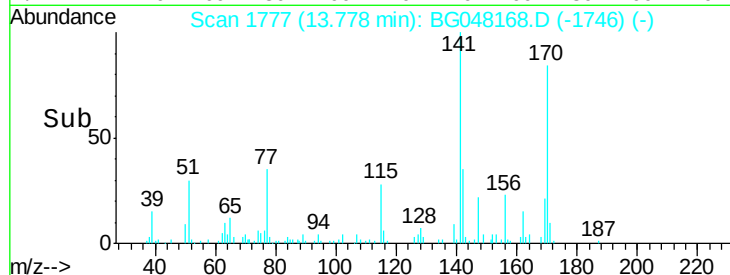
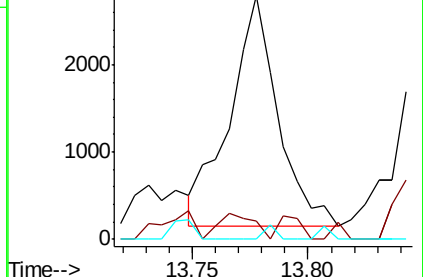
138 0.0 65.3 97.9#



Abundance Ion 65.00 (64.70 to 65.70): BG048168.D (-1774) (-)

Ion 92.00 (91.70 to 92.70): BG048168.D (-1774) (-)

Ion 138.00 (137.70 to 138.70): BG048168.D (-1774) (-)



#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

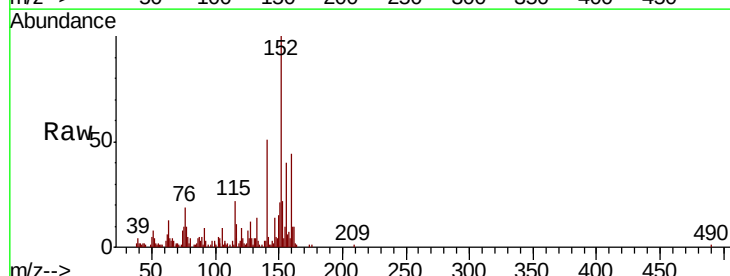
Tgt Ion: 152 Resp: 35447

Ion Ratio Lower Upper

152 100

151 21.1 17.8 26.6

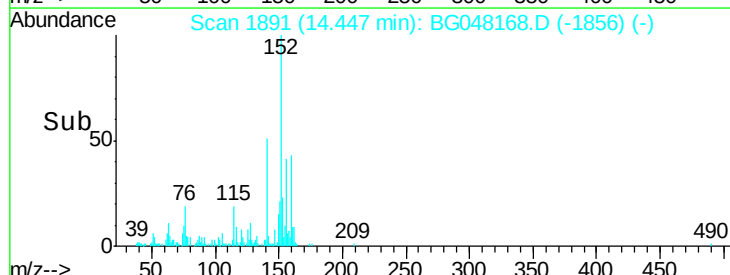
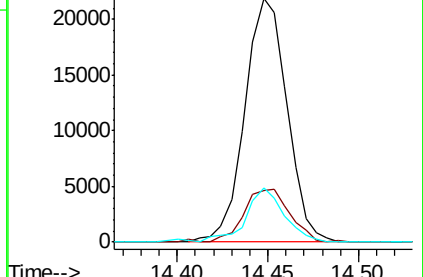
153 22.2 11.1 16.7#

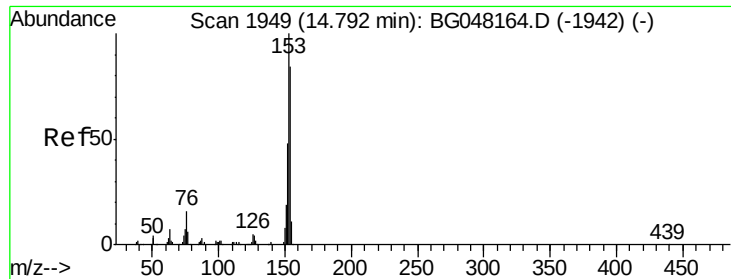


Abundance Ion 152.00 (151.70 to 152.70): BG048168.D (-1856) (-)

Ion 151.00 (150.70 to 151.70): BG048168.D (-1856) (-)

Ion 153.00 (152.70 to 153.70): BG048168.D (-1856) (-)





#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

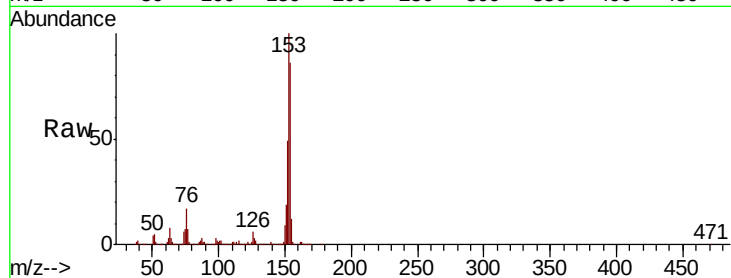
Tot Ion:153 Resp: 1006319

Ion Ratio Lower Upper

153 100

152 48.6 35.7 53.5

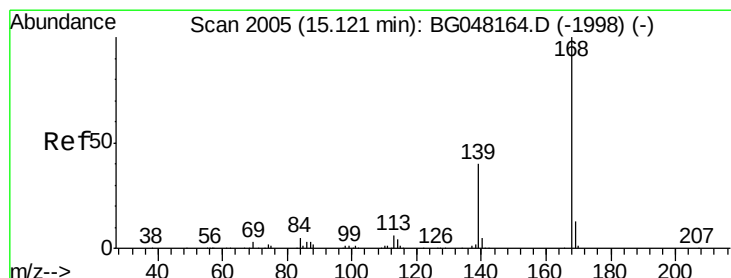
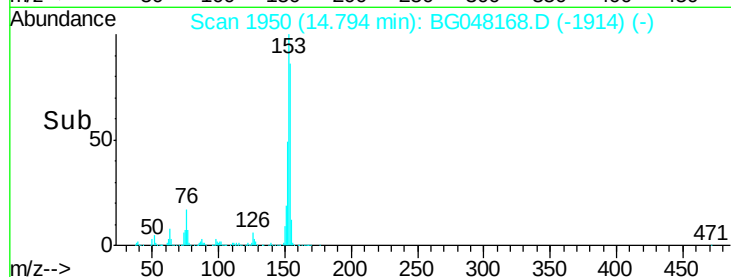
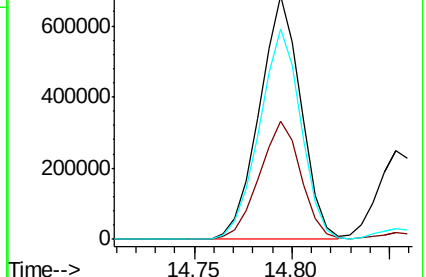
154 86.3 66.3 99.5



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

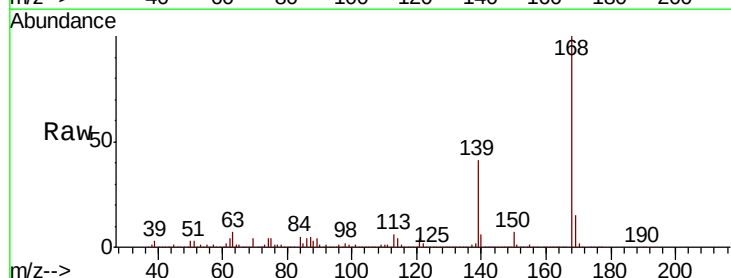
Acq: 16 Feb 2021 18:17

Tgt Ion:168 Resp: 962488

Ion Ratio Lower Upper

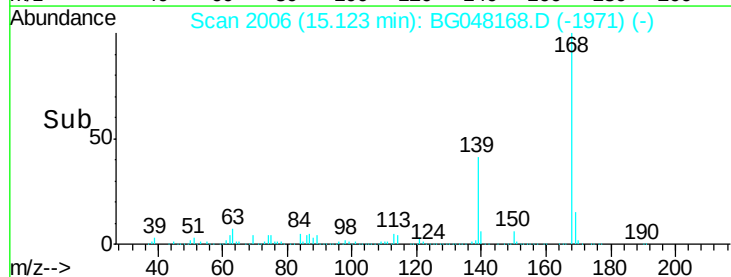
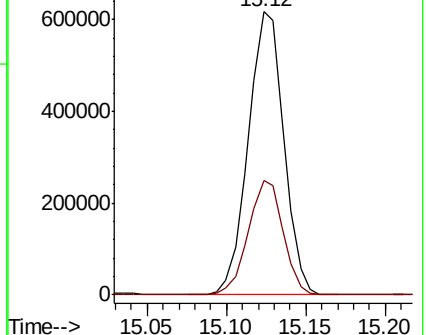
168 100

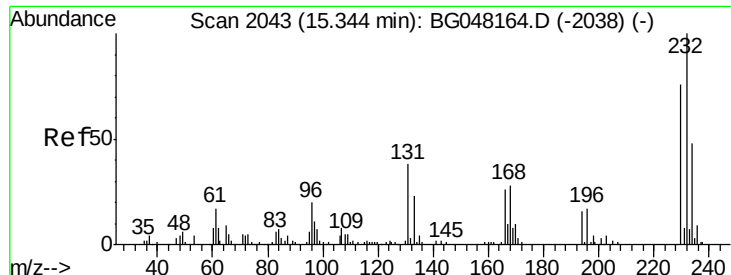
139 40.6 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

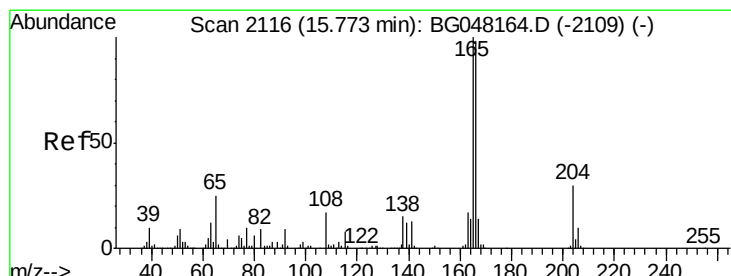
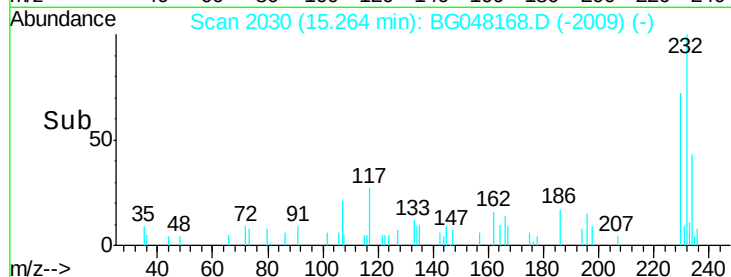
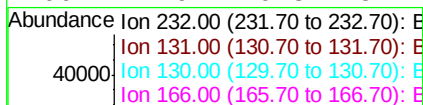
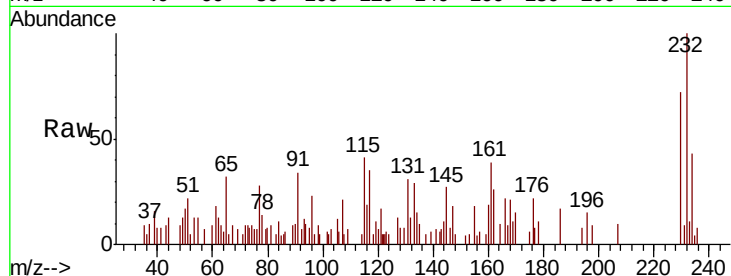




#56
 2,3,4,6-Tetrachlorophenol
 Concen: 1.577 ng/ul
 RT: 15.26 min Scan# 2030
 Delta R.T. -0.08 min
 Lab File: BG048168.D
 Acq: 16 Feb 2021 18:17

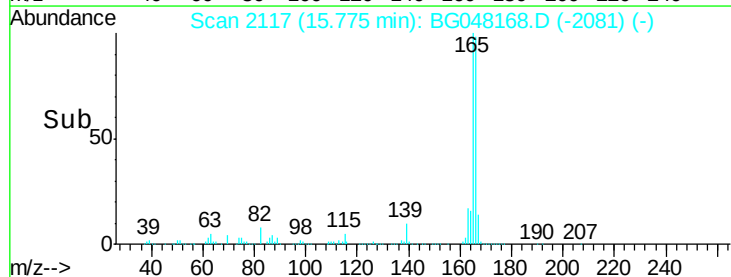
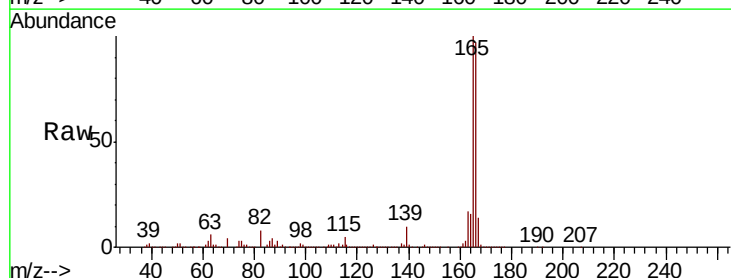
Instrument :
 BNA_G
 ClientSampleId :
 DBGL1

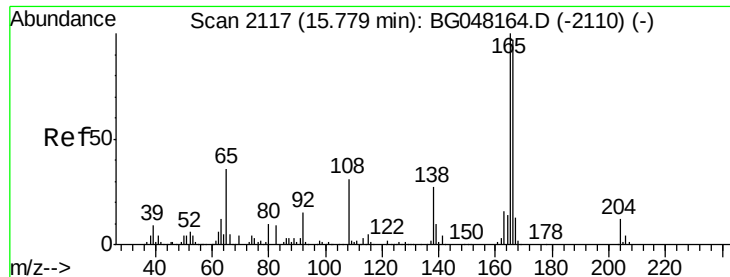
Tot Ion:232	Resp:	5923
Ion Ratio	Lower	Upper
232	100	
131	31.4	31.0 46.6
130	0.0	0.0 0.0
166	21.9	20.8 31.2



#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

Tgt Ion:166	Resp:	645825
Ion Ratio	Lower	Upper
166	100	
165	102.6	79.4 119.0
167	14.8	10.6 16.0





#61

4-Nitroaniline

Concen: 3.576 ng/ul

RT: 15.77 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BG048168.D

Acq: 16 Feb 2021 18:17

Instrument :

BNA_G

ClientSampleId :

DBGL1

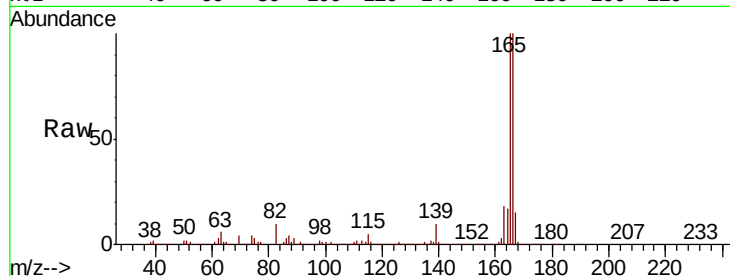
Tot Ion:138 Resp: 8916

Ion Ratio Lower Upper

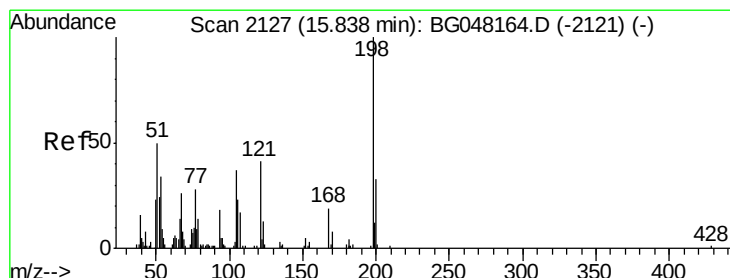
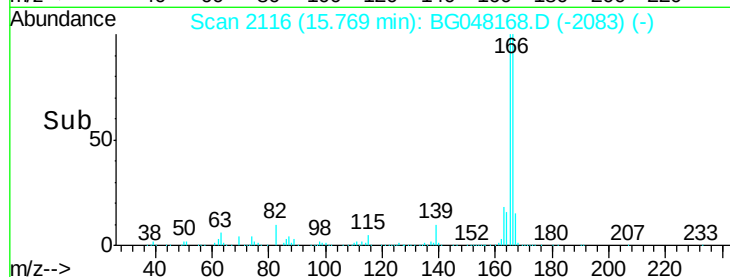
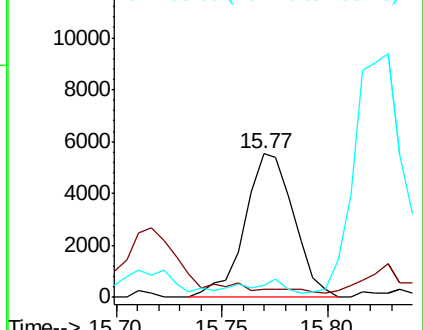
138 100

92 5.3 45.8 68.8#

108 8.6 86.5 129.7#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): 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

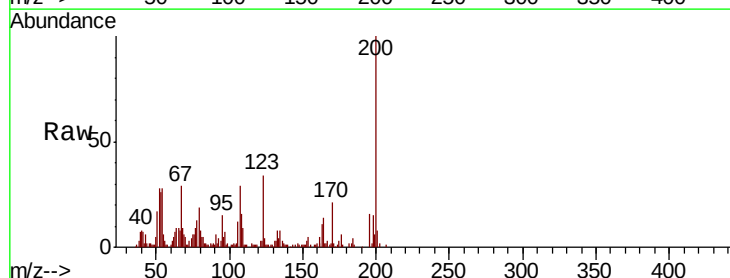
Tgt Ion:198 Resp: 9505

Ion Ratio Lower Upper

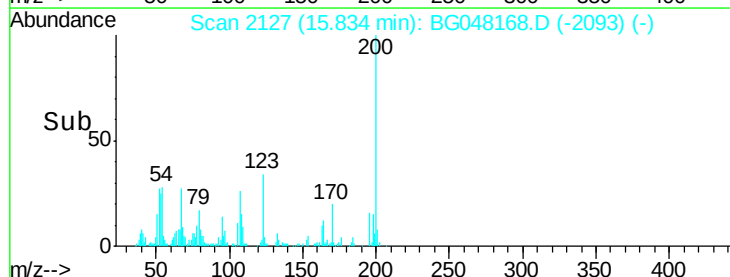
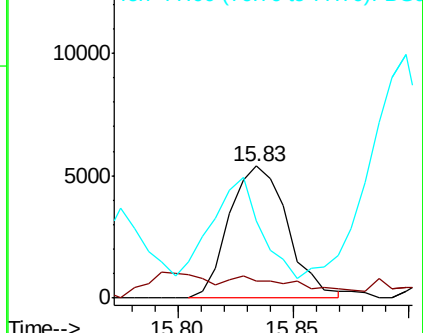
198 100

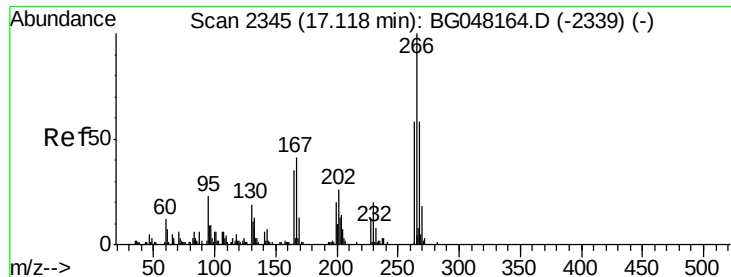
182 13.3 3.5 5.3#

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

ClientSampleId :

DBGL1

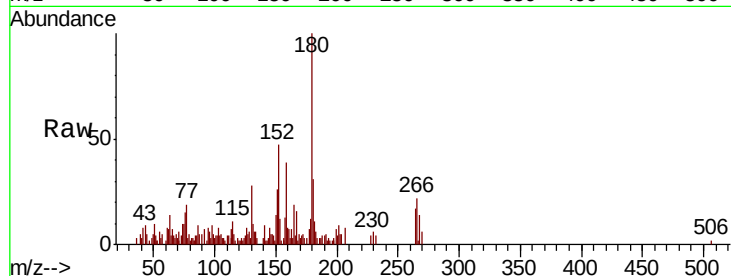
Tot Ion:266 Resp: 3302

Ion Ratio Lower Upper

266 100

264 74.7 55.0 82.4

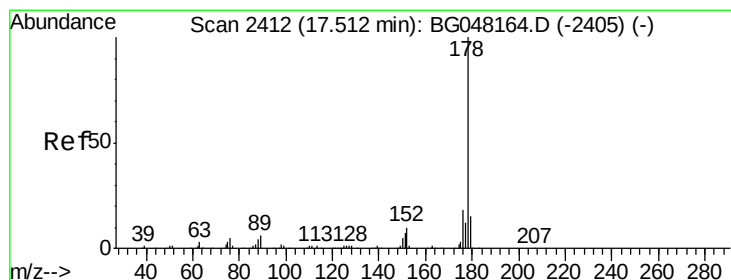
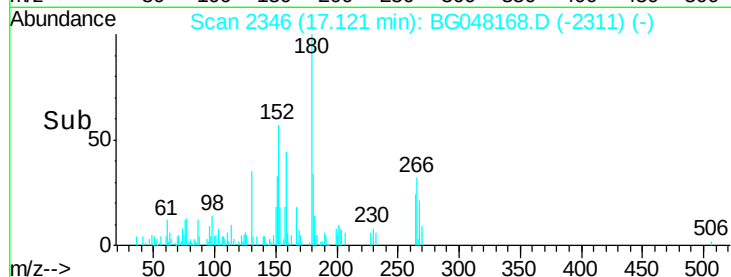
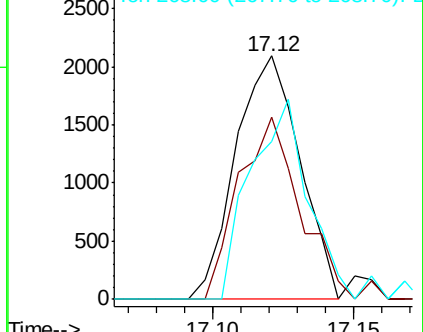
268 64.7 41.0 61.4#



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: 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

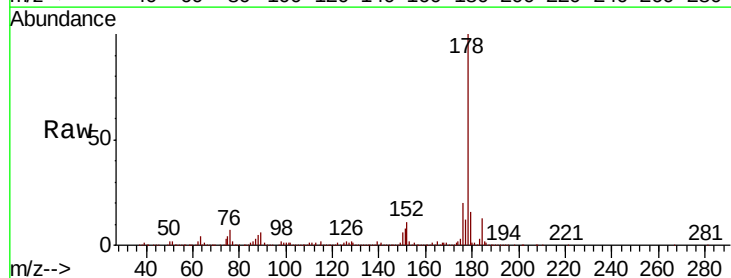
Tgt Ion:178 Resp: 840202

Ion Ratio Lower Upper

178 100

179 16.0 12.0 18.0

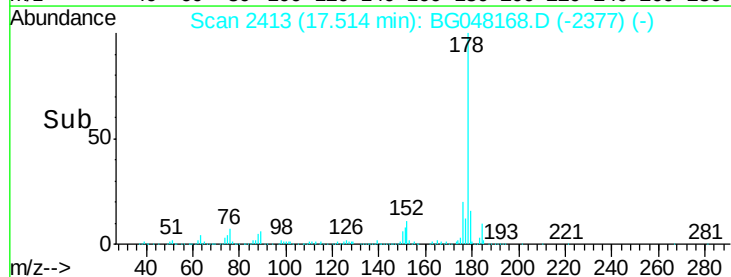
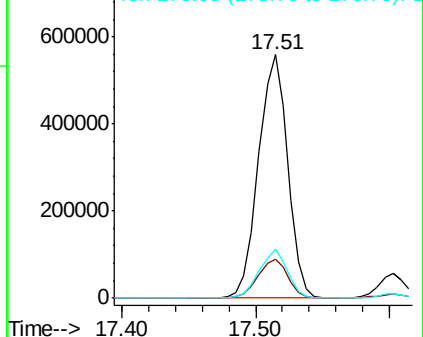
176 20.0 14.9 22.3

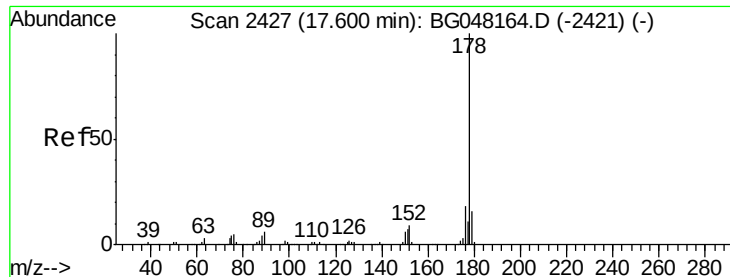


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#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

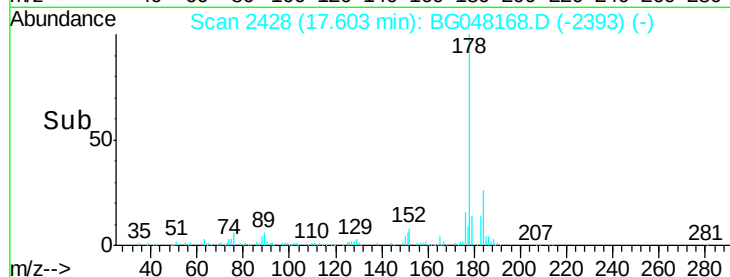
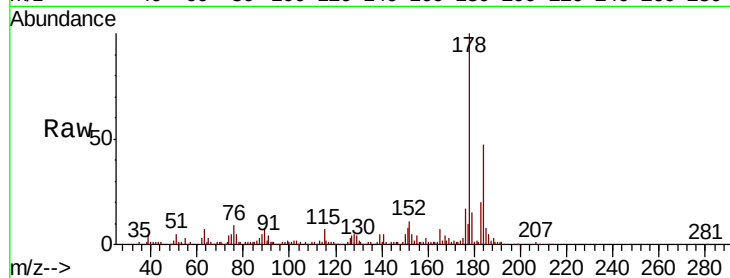
Tot Ion:178 Resp: 77045

Ion Ratio Lower Upper

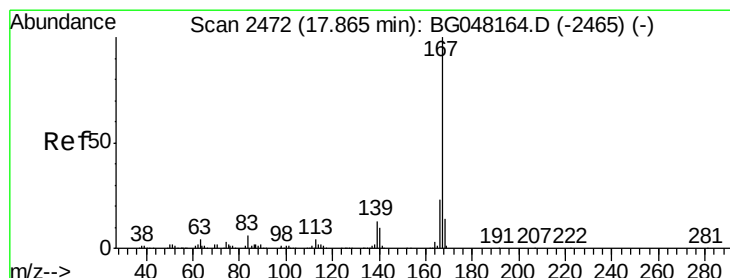
178 100

179 14.6 12.4 18.6

176 16.6 15.1 22.7



Time-->



#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

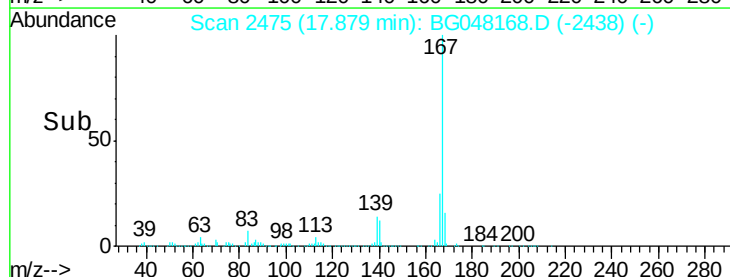
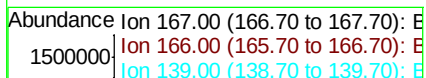
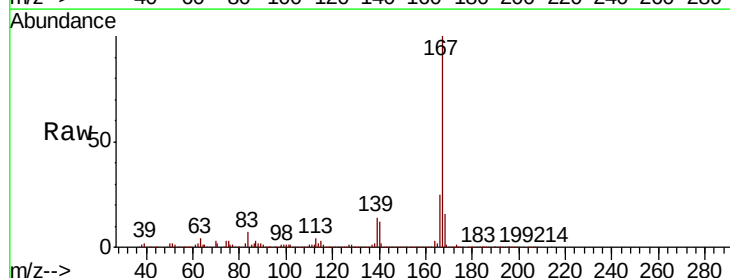
Tgt Ion:167 Resp: 1863749

Ion Ratio Lower Upper

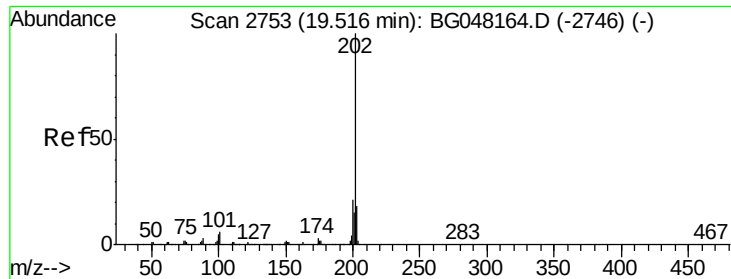
167 100

166 25.5 16.2 24.2#

139 14.5 9.6 14.4#



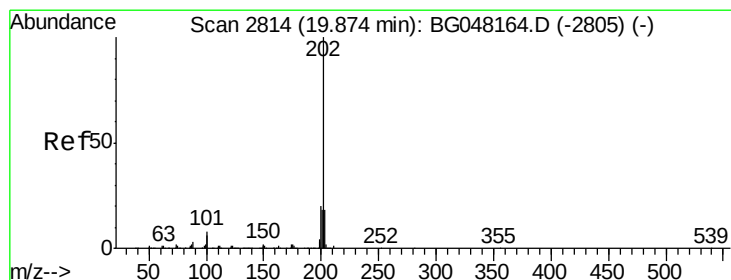
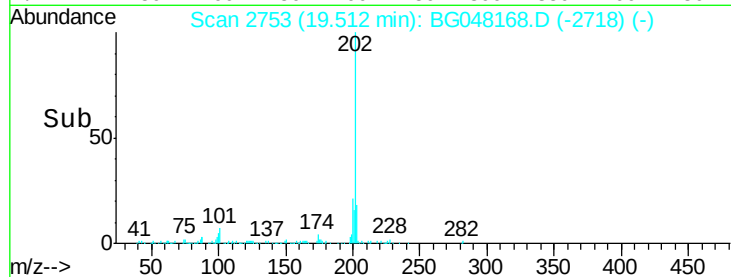
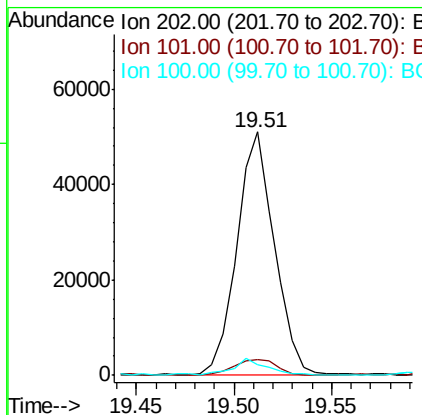
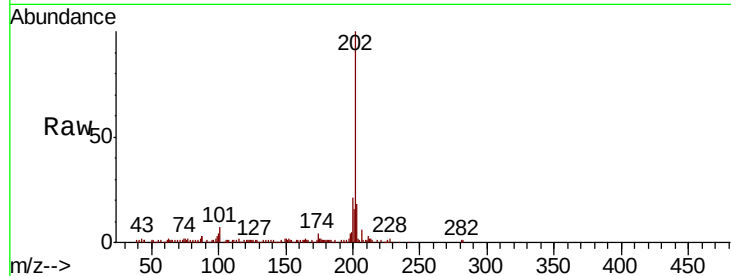
Time-->



#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#

