

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG057976.D
 Acq On : 4 Jul 2023 6:21
 Operator : CG/JU
 Sample : 03247-16
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCGM2

Quant Time: Jul 04 06:58:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 04 05:09:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	998	20.000	ng/ul	0.00
20) Naphthalene-d8	10.744	136	5824	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.569	164	4248	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.413	188	254213	20.000	ng/ul	0.09
79) Chrysene-d12	21.702	240	166	20.000	ng/ul	# 0.13
88) Perylene-d12	24.886	264	188	20.000	ng/ul	# 0.15
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	3616	126.874	ng/uL	0.00
4) Pyridine-d5	3.793	84	2690	31.089	ng/ul	0.00
7) Phenol-d5	7.101	99	73142	717.636	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.266	67	48675	792.487	ng/ul	0.00
11) 2-Chlorophenol-d4	7.472	132	57011	811.029	ng/ul	0.00
15) 4-Methylphenol-d8	8.641	113	30014	390.275	ng/ul	0.00
21) Nitrobenzene-d5	9.099	128	30334	639.039	ng/ul	0.00
24) 2-Nitrophenol-d4	9.822	143	33655	674.604	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.362	165	59632	623.093	ng/ul	0.00
31) 4-Chloroaniline-d4	10.873	131	30236	208.380	ng/ul	0.00
46) Dimethylphthalate-d6	13.976	166	204239	609.354	ng/ul	0.00
49) Acenaphthylene-d8	14.264	160	234697	641.684	ng/ul	0.00
54) 4-Nitrophenol-d4	14.769	143	22429	378.760	ng/ul	0.00
60) Fluorene-d10	15.562	176	180819	635.233	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.674	200	21241	15.388	ng/ul	0.00
73) Anthracene-d10	17.413	188	254213	21.551	ng/ul	0.00
81) Pyrene-d10	19.698	212	310131	29664.118	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.734	264	9465	988.186	ng/ul	0.22
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.406	88	227	6.447	ng/ul#	18
6) Benzaldehyde	7.084	77	1019	29.938	ng/ul#	70
8) Phenol	7.131	94	1274	12.318	ng/ul#	87
16) Acetophenone	8.758	105	4754	37.259	ng/ul	92
17) N-Nitroso-di-n-propyla...	8.647	70	577	8.459	ng/ul#	1
23) Isophorone	9.822	82	2417	9.192	ng/ul#	71
30) Naphthalene	10.791	128	4252	12.991	ng/ul	94
32) 4-Chloroaniline	10.797	127	486	3.276	ng/ul#	37
36) 2-Methylnaphthalene	12.401	142	2566	11.630	ng/ul	91
37) 1-Methylnaphthalene	12.613	142	1728	7.810	ng/ul#	85
43) 1,1'-Biphenyl	13.412	154	981	3.205	ng/ul#	76
48) 2,6-Dinitrotoluene	13.993	165	160	2.315	ng/ul#	34
50) Acenaphthylene	14.299	152	2423	6.135	ng/ul#	79
52) Acenaphthene	14.634	153	1445	5.332	ng/ul#	88
56) Dibenzofuran	14.969	168	2843	7.379	ng/ul#	84
59) Diethylphthalate	15.380	149	605	1.721	ng/ul#	83
61) Fluorene	15.615	166	2181	6.899	ng/ul#	83
72) Phenanthrene	17.354	178	53842	4.164	ng/ul	99
80) Fluoranthene	19.363	202	154215	12729.880	ng/ul	99
82) Pyrene	19.728	202	133635	10958.710	ng/ul	100
83) Butylbenzylphthalate	20.744	149	124	25.076	ng/ul#	69
84) 3,3'-Dichlorobenzidine	21.584	252	129	32.100	ng/ul#	25
85) Benzo(a)anthracene	21.608	228	93455	7840.827	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.455	149	11550	1629.938	ng/ul	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

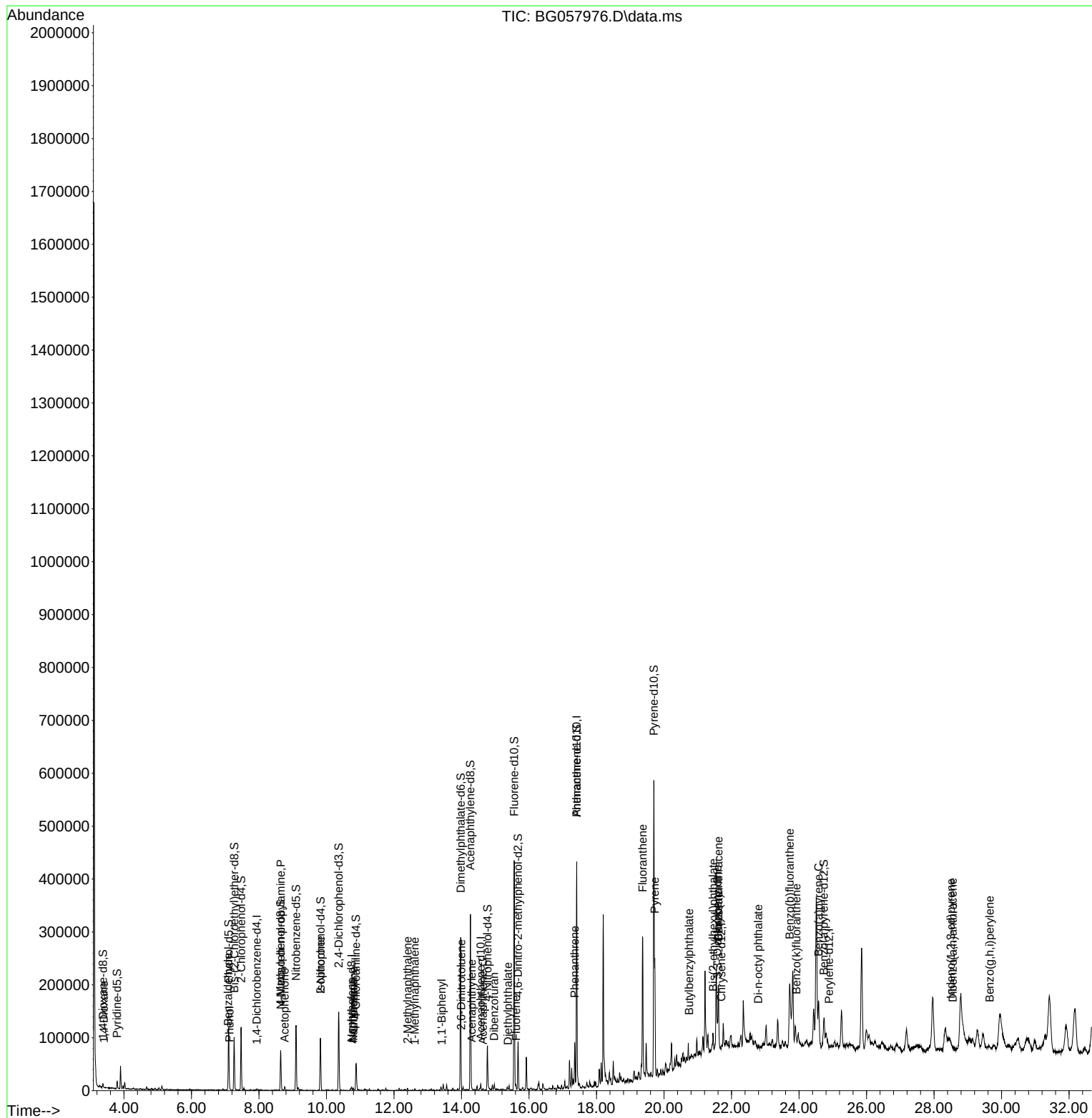
87) Chrysene	21.608	228	93455	8364.153	ng/ul	95
89) Di-n-octyl phthalate	22.789	149	123	10.648	ng/ul	100
90) Benzo(b)fluoranthene	23.723	252	122748	10544.917	ng/ul	99
91) Benzo(k)fluoranthene	23.923	252	87	7.625	ng/ul#	1
93) Benzo(a)pyrene	24.581	252	84316	8183.609	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.500	276	78	5.701	ng/ul#	45
95) Dibenzo(a,h)anthracene	28.553	278	843	74.722	ng/ul#	93
96) Benzo(g,h,i)perylene	29.651	276	223	19.955	ng/ul#	51

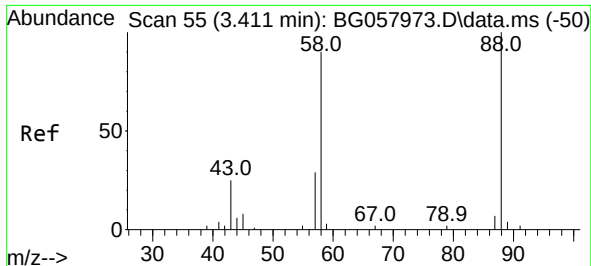
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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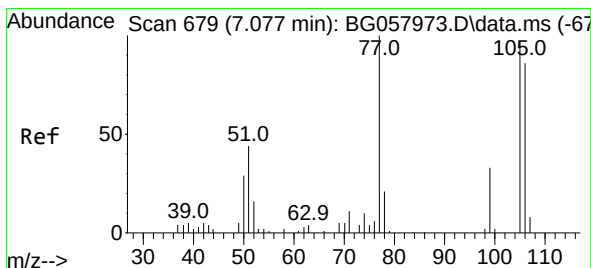
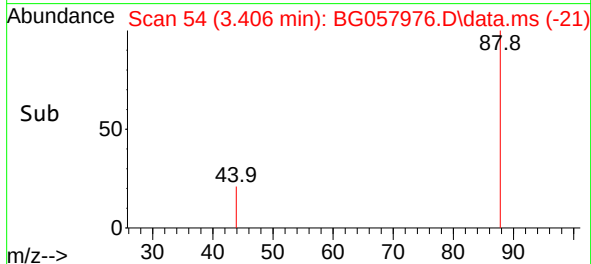
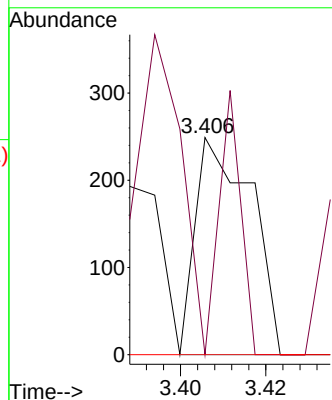
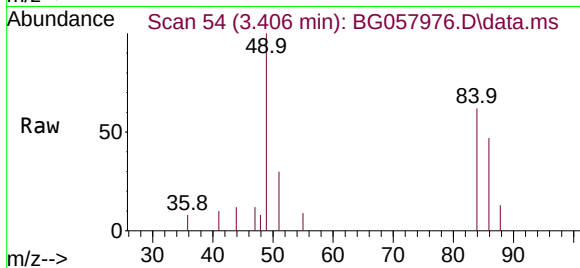




#2
 1,4-Dioxane
 Concen: 6.447 ng/uL
 RT: 3.406 min Scan# 54
 Delta R.T. -0.005 min
 Lab File: BG057976.D
 Acq: 4 Jul 2023 6:21

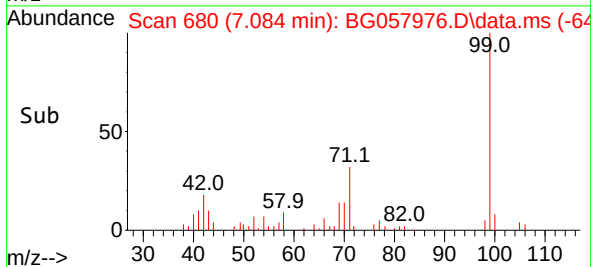
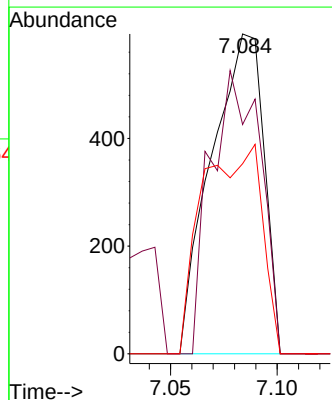
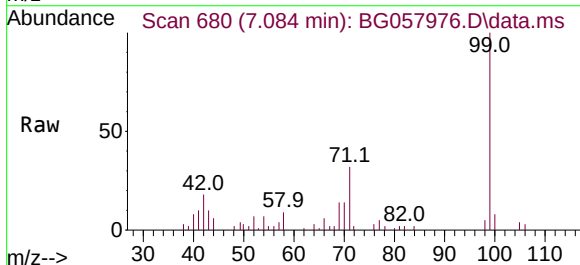
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 ClientSampleId :
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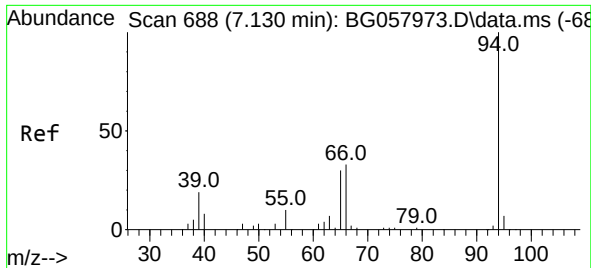
Tgt Ion: 88 Resp: 227
 Ion Ratio Lower Upper
 88 100
 43 0.0 20.6 30.8#
 58 0.0 65.5 98.3#



#6
 Benzaldehyde
 Concen: 29.938 ng/uL
 RT: 7.084 min Scan# 680
 Delta R.T. 0.007 min
 Lab File: BG057976.D
 Acq: 4 Jul 2023 6:21

Tgt Ion: 77 Resp: 1019
 Ion Ratio Lower Upper
 77 100
 105 71.7 74.7 112.1#
 106 59.4 75.9 113.9#

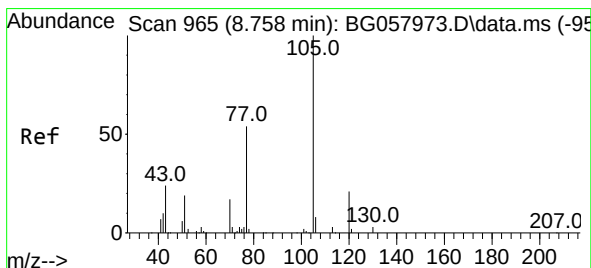
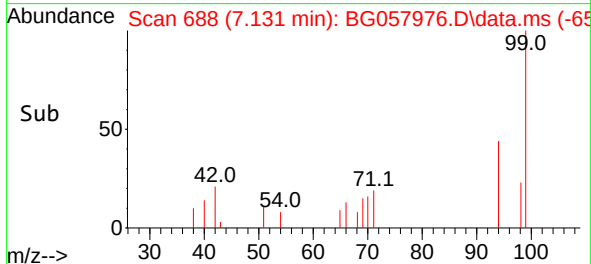
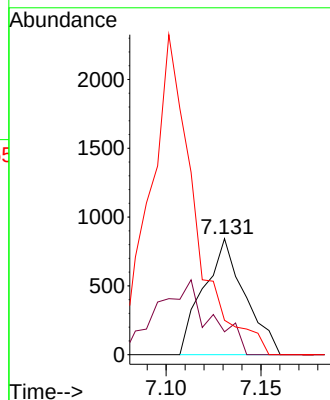
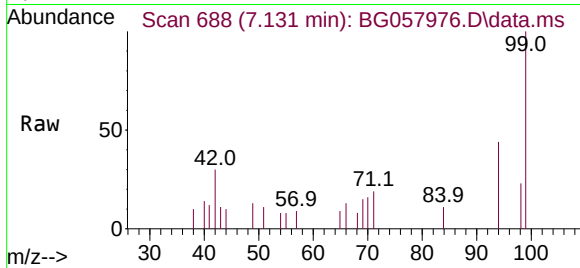




#8
Phenol
Concen: 12.318 ng/ul
RT: 7.131 min Scan# 688
Delta R.T. 0.001 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

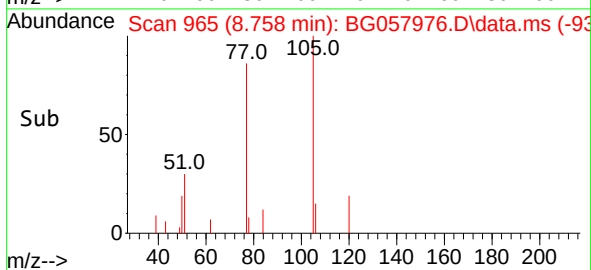
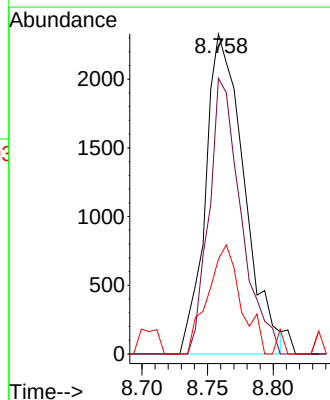
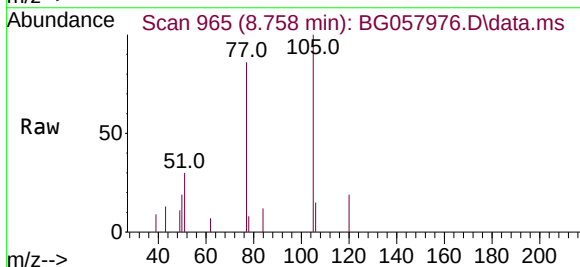
Instrument :
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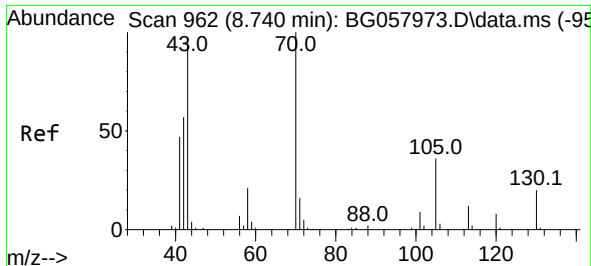
Tgt Ion: 94 Resp: 1274
Ion Ratio Lower Upper
94 100
65 19.7 22.2 33.4#
66 29.7 28.6 43.0



#16
Acetophenone
Concen: 37.259 ng/ul
RT: 8.758 min Scan# 965
Delta R.T. 0.001 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

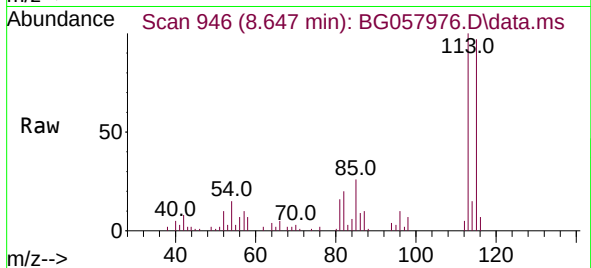
Tgt Ion:105 Resp: 4754
Ion Ratio Lower Upper
105 100
77 86.1 61.2 91.8
51 29.6 23.5 35.3





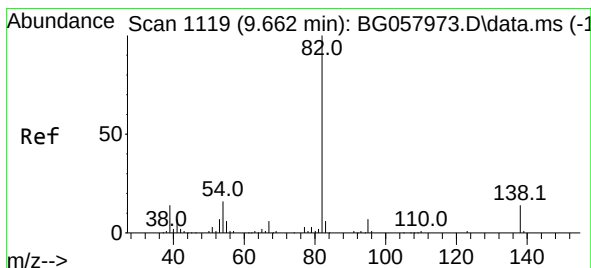
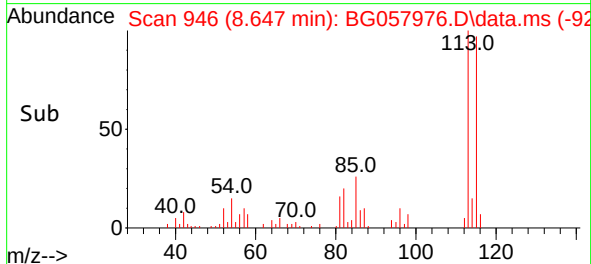
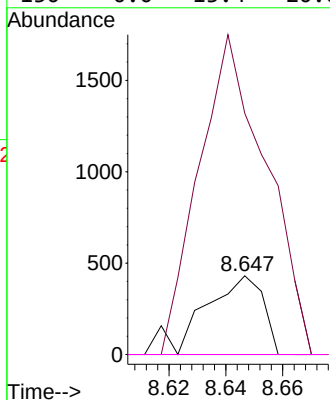
#17
N-Nitroso-di-n-propylamine
Concen: 8.459 ng/ul
RT: 8.647 min Scan# 946
Delta R.T. -0.093 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Instrument :
BNA_G
ClientSampleId :
DCGM2



Tgt Ion: 70 Resp: 577

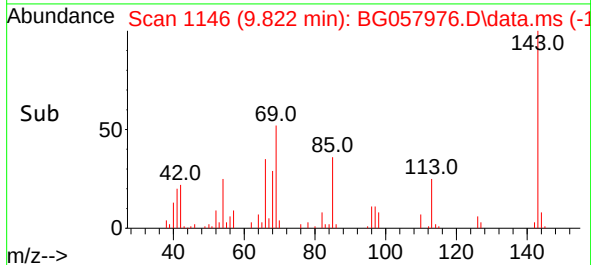
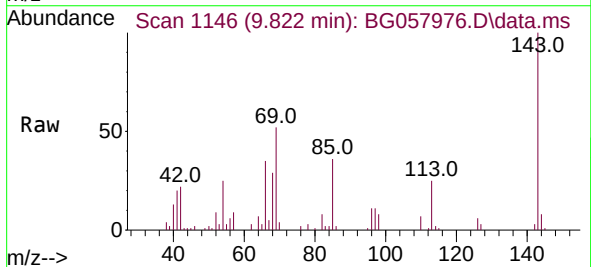
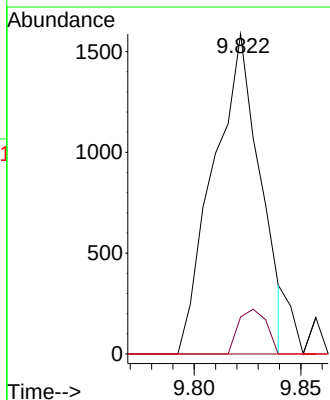
Ion	Ratio	Lower	Upper
70	100		
42	306.3	48.0	72.0#
101	0.0	7.4	11.2#
130	0.0	13.4	20.0#

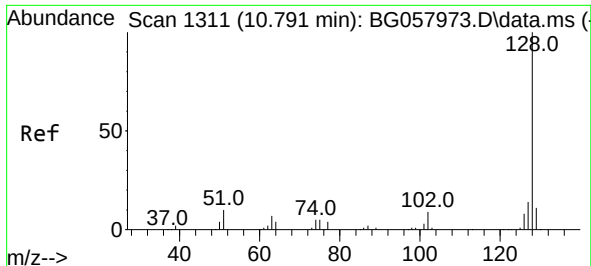


#23
Isophorone
Concen: 9.192 ng/ul
RT: 9.822 min Scan# 1146
Delta R.T. 0.159 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Tgt Ion: 82 Resp: 2417

Ion	Ratio	Lower	Upper
82	100		
95	11.5	4.8	7.2#
138	0.0	11.4	17.0#

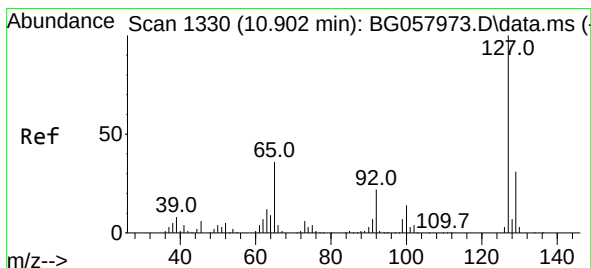
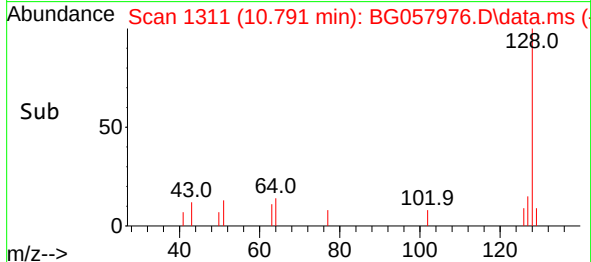
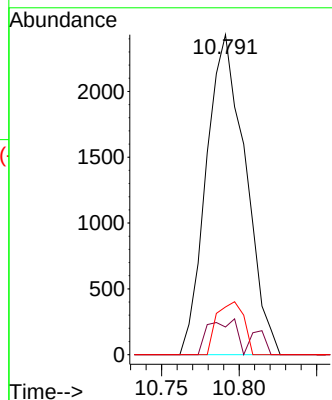
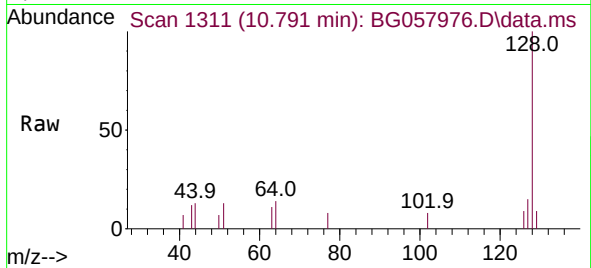




#30
Naphthalene
Concen: 12.991 ng/ul
RT: 10.791 min Scan# 1311
Delta R.T. 0.001 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

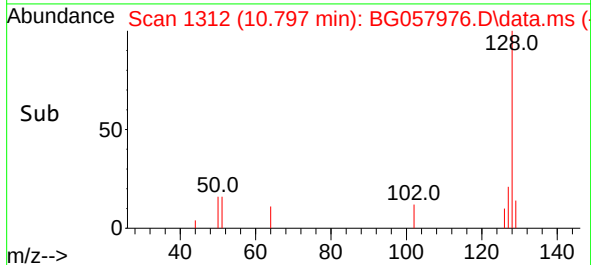
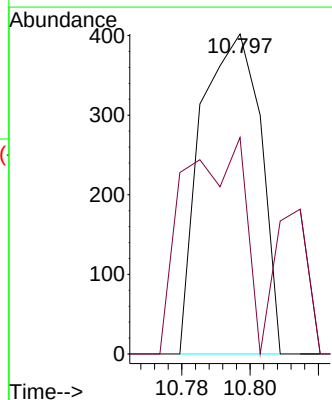
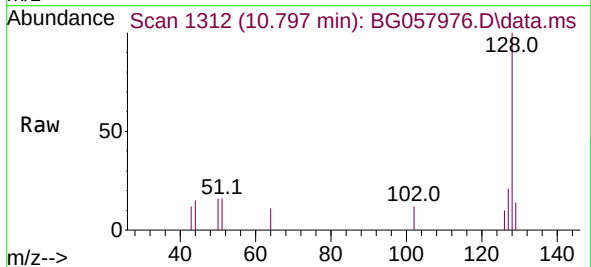
Instrument :
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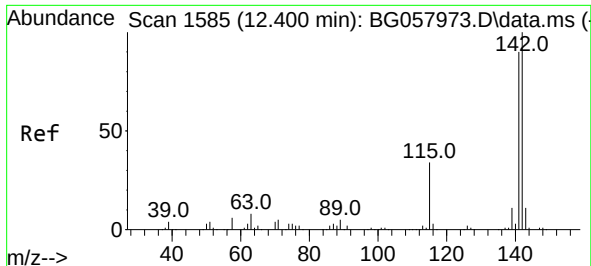
Tgt Ion:128 Resp: 4252
Ion Ratio Lower Upper
128 100
129 8.6 8.6 12.8
127 14.9 10.2 15.2



#32
4-Chloroaniline
Concen: 3.276 ng/ul
RT: 10.797 min Scan# 1312
Delta R.T. -0.105 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Tgt Ion:127 Resp: 486
Ion Ratio Lower Upper
127 100
129 67.7 26.0 39.0#

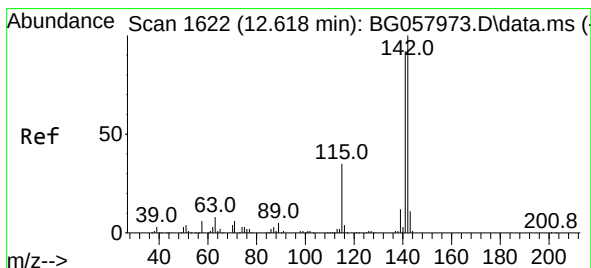
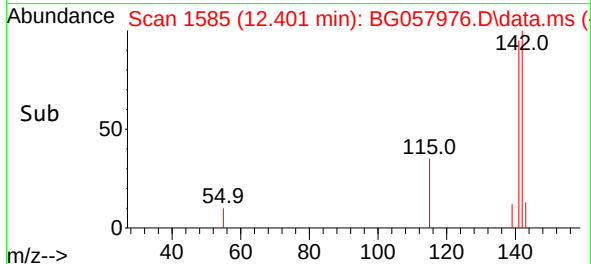
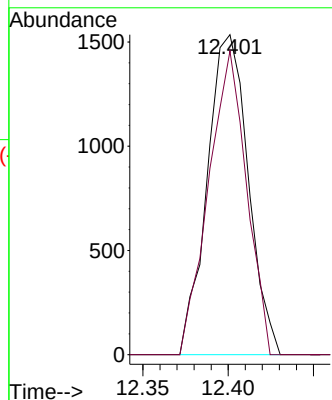
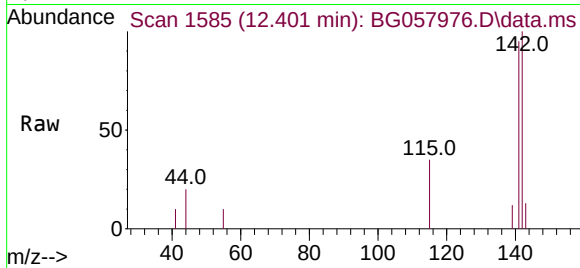




#36
2-Methylnaphthalene
Concen: 11.630 ng/ul
RT: 12.401 min Scan# 1585
Delta R.T. 0.001 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

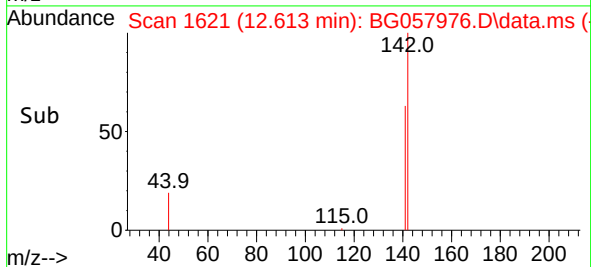
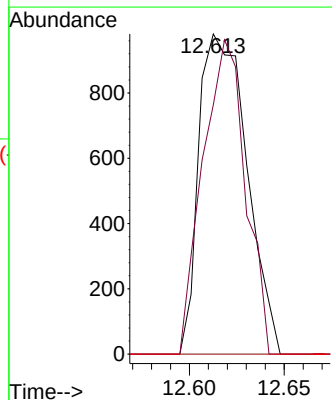
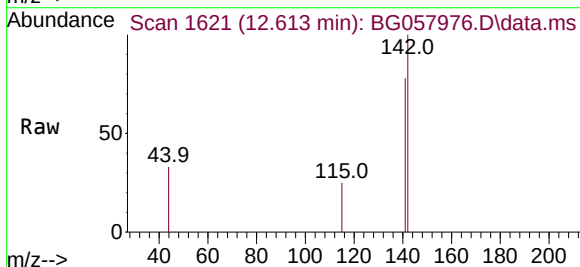
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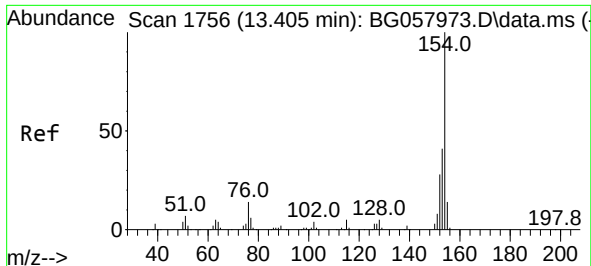
Tgt Ion:142 Resp: 2566
Ion Ratio Lower Upper
142 100
141 94.9 69.4 104.2



#37
1-Methylnaphthalene
Concen: 7.810 ng/ul
RT: 12.613 min Scan# 1621
Delta R.T. -0.005 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Tgt Ion:142 Resp: 1728
Ion Ratio Lower Upper
142 100
141 77.9 73.8 110.8
116 0.0 3.0 4.4#

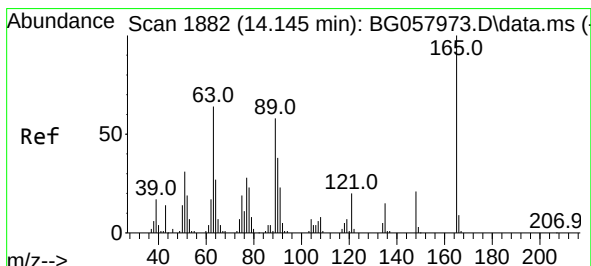
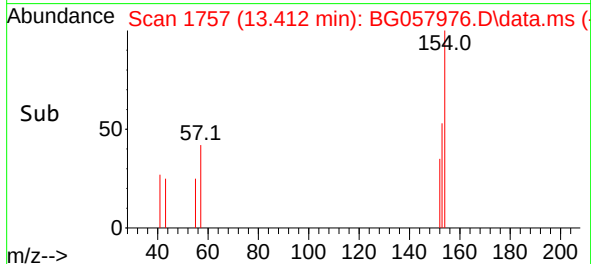
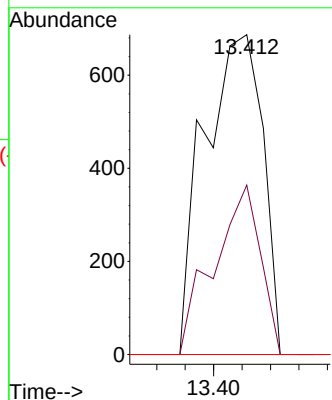
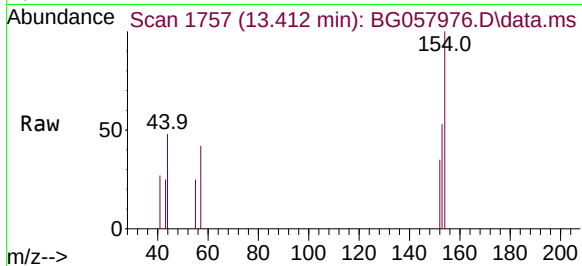




#43
1,1'-Biphenyl
Concen: 3.205 ng/ul
RT: 13.412 min Scan# 11
Delta R.T. 0.007 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

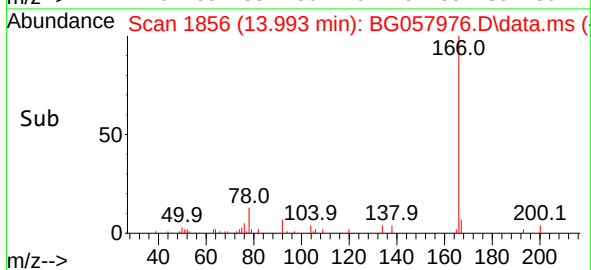
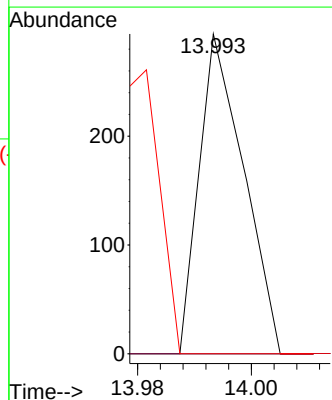
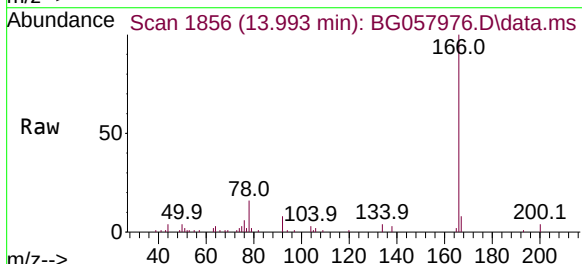
Instrument :
BNA_G
ClientSampleId :
DCGM2

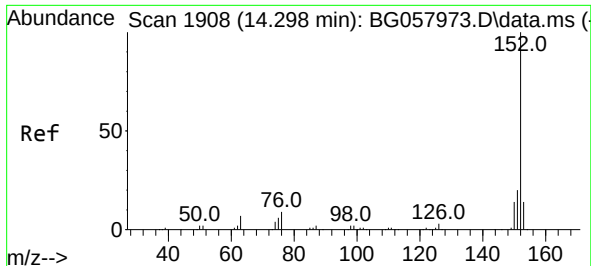
Tgt Ion:154 Resp: 981
Ion Ratio Lower Upper
154 100
153 53.0 32.6 49.0#
76 0.0 11.6 17.4#



#48
2,6-Dinitrotoluene
Concen: 2.315 ng/ul
RT: 13.993 min Scan# 1856
Delta R.T. -0.152 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Tgt Ion:165 Resp: 160
Ion Ratio Lower Upper
165 100
89 0.0 42.7 64.1#
121 0.0 14.8 22.2#

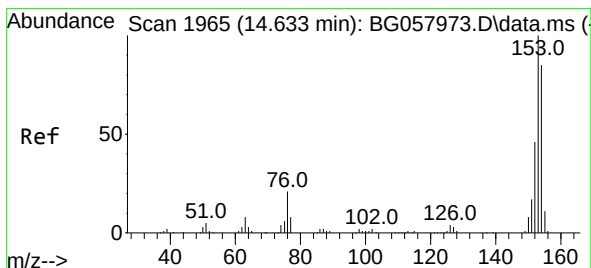
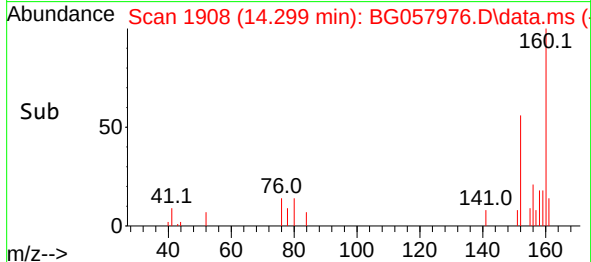
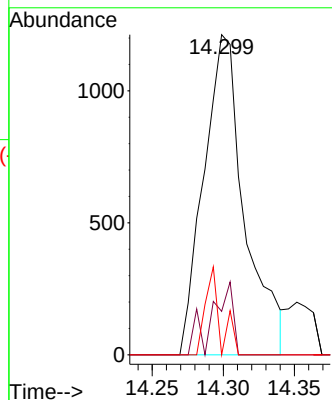
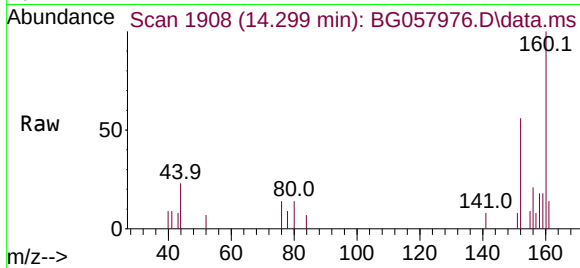




#50
Acenaphthylene
Concen: 6.135 ng/ul
RT: 14.299 min Scan# 1908
Delta R.T. 0.001 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

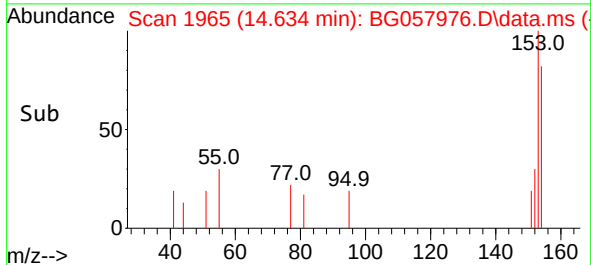
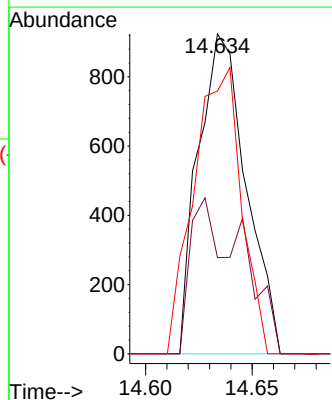
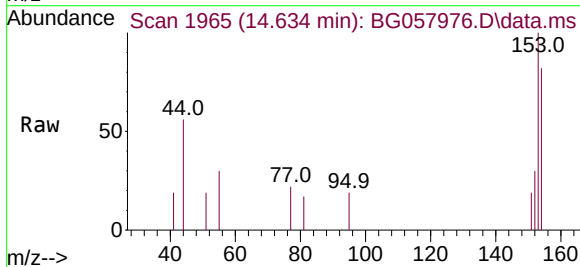
Instrument :
BNA_G
ClientSampleId :
DCGM2

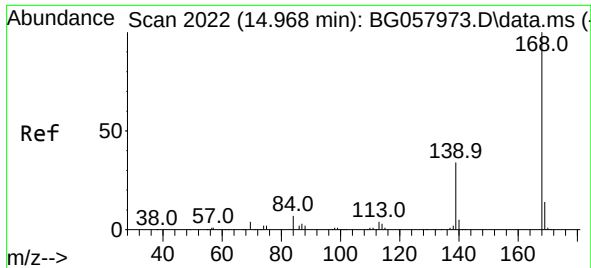
Tgt Ion:152 Resp: 2423
Ion Ratio Lower Upper
152 100
151 13.6 15.6 23.4#
153 0.0 10.5 15.7#



#52
Acenaphthene
Concen: 5.332 ng/ul
RT: 14.634 min Scan# 1965
Delta R.T. 0.001 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Tgt Ion:153 Resp: 1445
Ion Ratio Lower Upper
153 100
152 30.1 36.5 54.7#
154 82.1 70.5 105.7

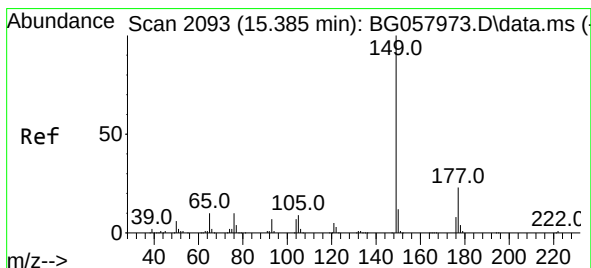
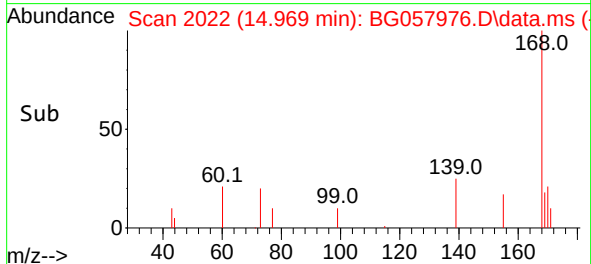
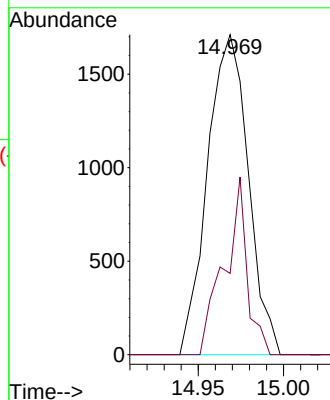
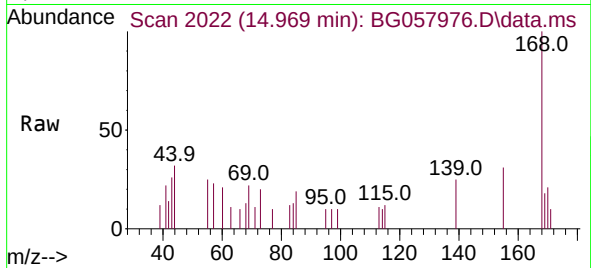




#56
Dibenzenofuran
Concen: 7.379 ng/ul
RT: 14.969 min Scan# 2022
Delta R.T. 0.001 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

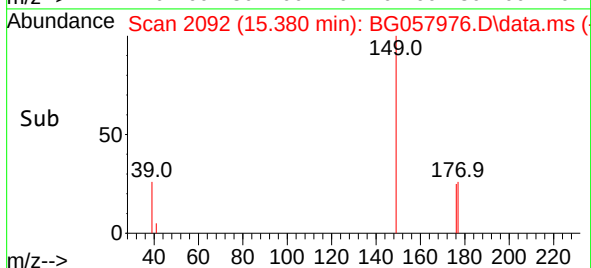
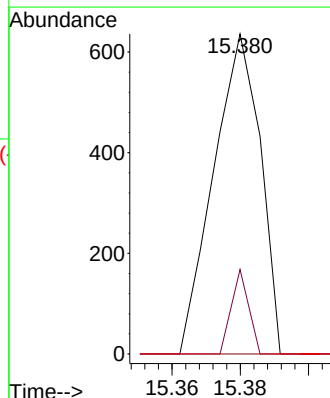
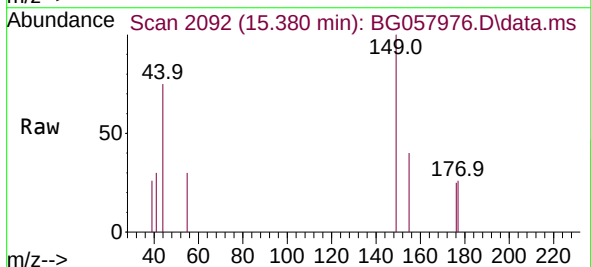
Instrument :
BNA_G
ClientSampleId :
DCGM2

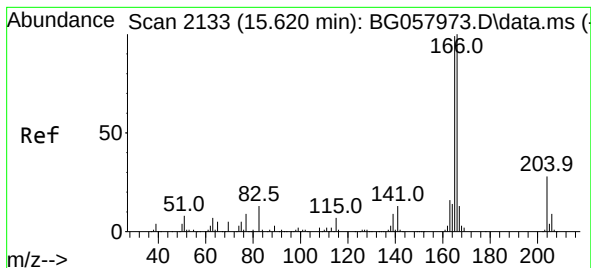
Tgt Ion:168 Resp: 2843
Ion Ratio Lower Upper
168 100
139 25.4 27.6 41.4#



#59
Diethylphthalate
Concen: 1.721 ng/ul
RT: 15.380 min Scan# 2092
Delta R.T. -0.005 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Tgt Ion:149 Resp: 605
Ion Ratio Lower Upper
149 100
177 26.4 17.8 26.8
150 0.0 10.1 15.1#





#61

Fluorene

Concen: 6.899 ng/ul

RT: 15.615 min Scan# 2133

Delta R.T. -0.005 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

Instrument :

BNA_G

ClientSampleId :

DCGM2

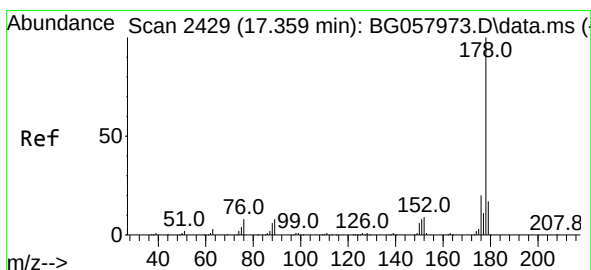
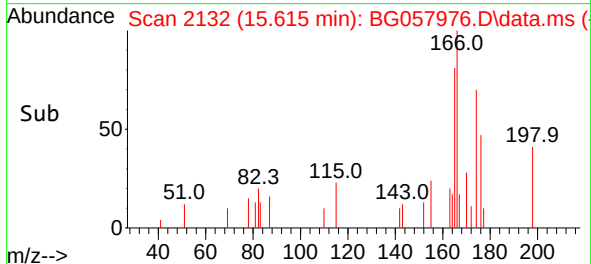
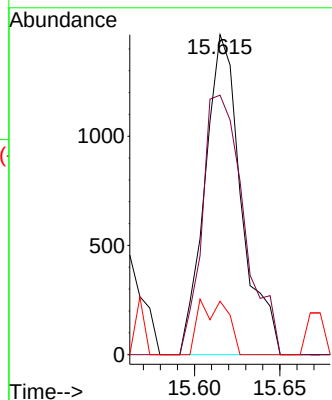
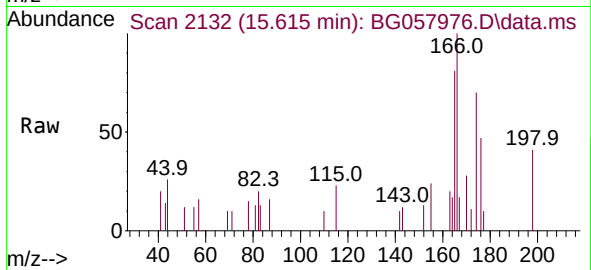
Tgt Ion:166 Resp: 2181

Ion Ratio Lower Upper

166 100

165 81.1 79.1 118.7

167 16.7 10.7 16.1#



#72

Phenanthrene

Concen: 4.164 ng/ul

RT: 17.354 min Scan# 2428

Delta R.T. -0.005 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

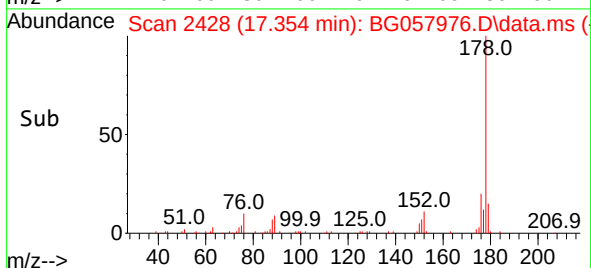
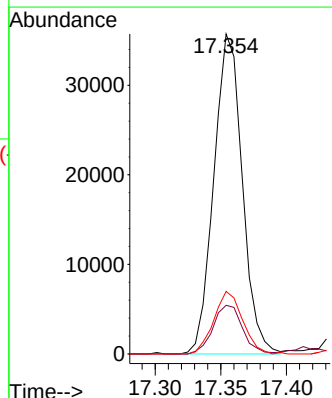
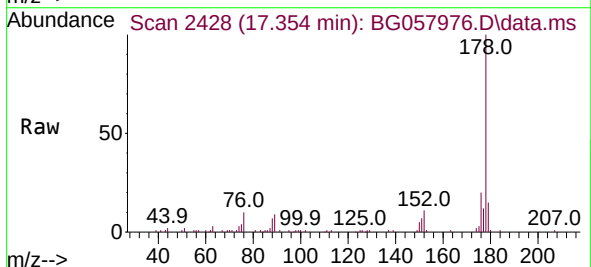
Tgt Ion:178 Resp: 53842

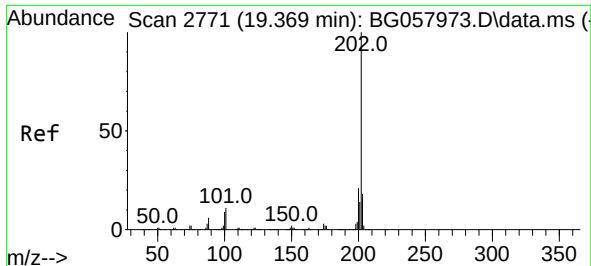
Ion Ratio Lower Upper

178 100

179 15.2 12.8 19.2

176 19.6 15.7 23.5

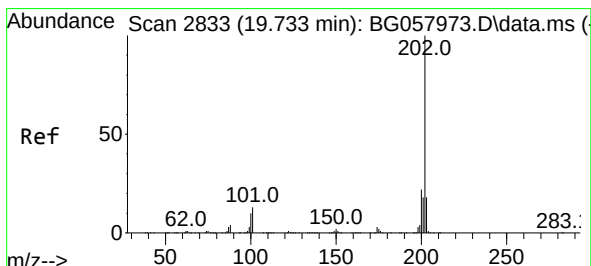
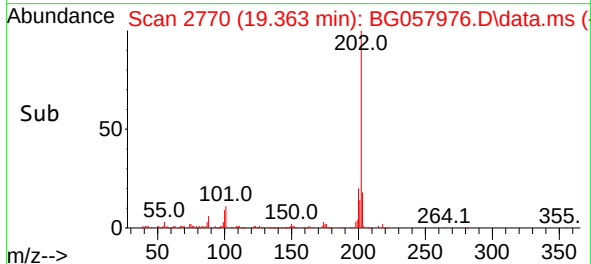
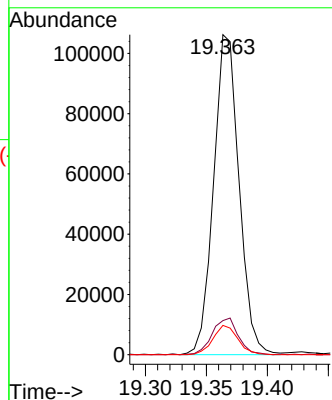
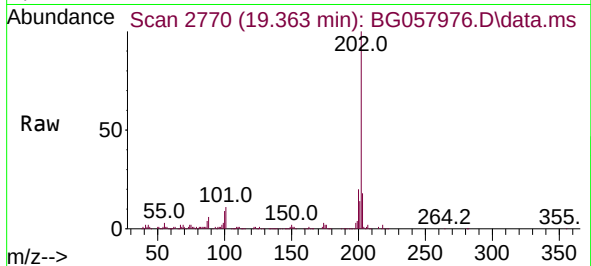




#80
Fluoranthene
Concen: 12729.880 ng/u1
RT: 19.363 min Scan# 2771
Delta R.T. -0.005 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

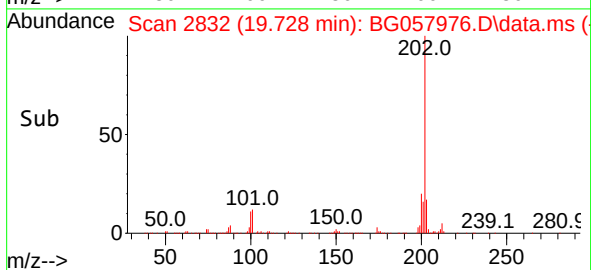
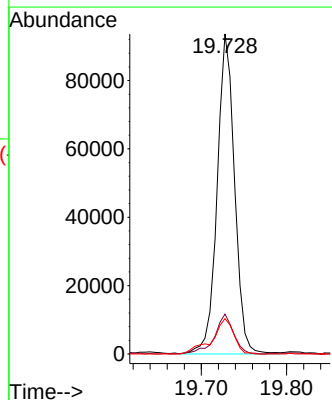
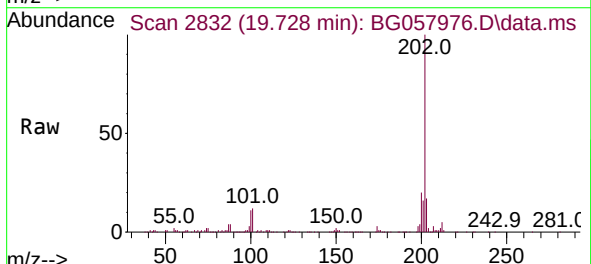
Instrument :
BNA_G
ClientSampleId :
DCGM2

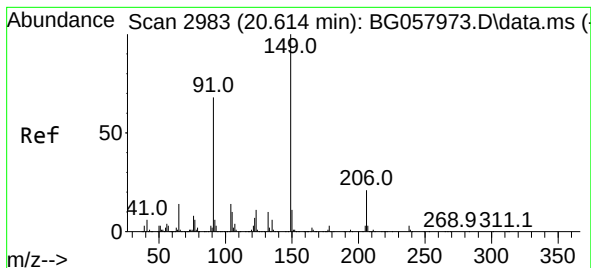
Tgt Ion:202 Resp: 154215
Ion Ratio Lower Upper
202 100
101 10.6 9.1 13.7
100 9.1 7.1 10.7



#82
Pyrene
Concen: 10958.710 ng/u1
RT: 19.728 min Scan# 2832
Delta R.T. -0.005 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Tgt Ion:202 Resp: 133635
Ion Ratio Lower Upper
202 100
101 12.5 10.2 15.2
100 11.0 8.9 13.3





#83

Butylbenzylphthalate

Concen: 25.076 ng/ul

RT: 20.744 min Scan# 3005

Delta R.T. 0.130 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

Instrument :

BNA_G

ClientSampleId :

DCGM2

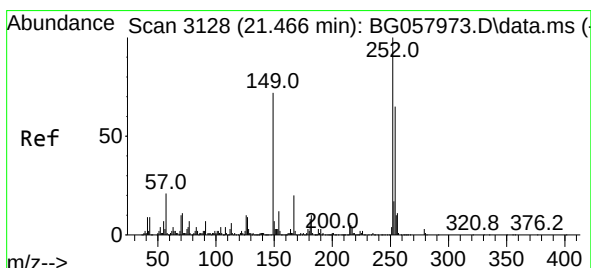
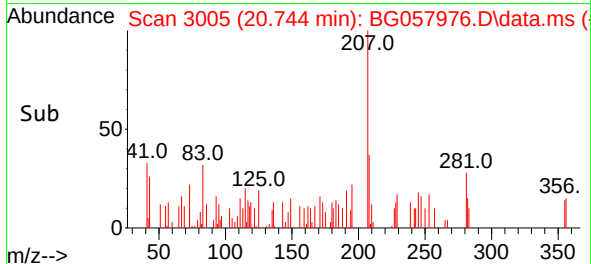
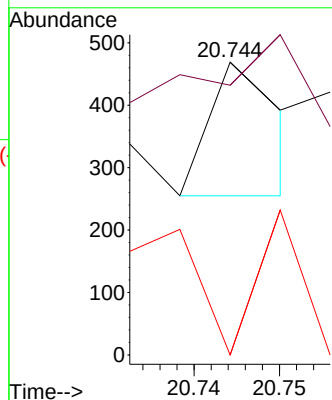
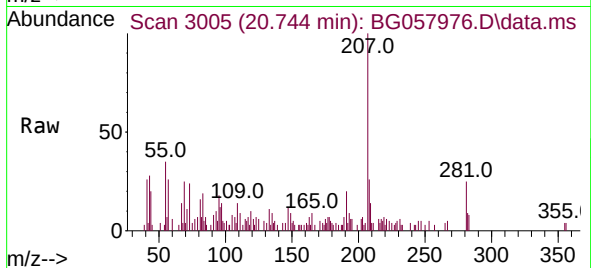
Tgt Ion:149 Resp: 124

Ion Ratio Lower Upper

149 100

91 92.1 56.5 84.7#

206 0.0 17.4 26.0#



#84

3,3'-Dichlorobenzidine

Concen: 32.100 ng/ul

RT: 21.584 min Scan# 3148

Delta R.T. 0.118 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

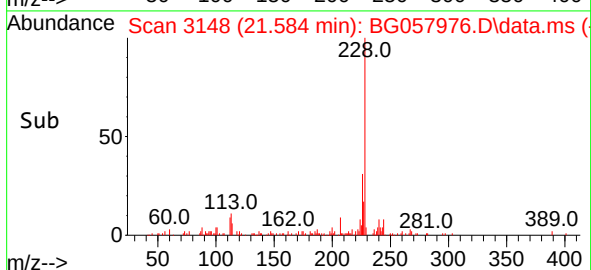
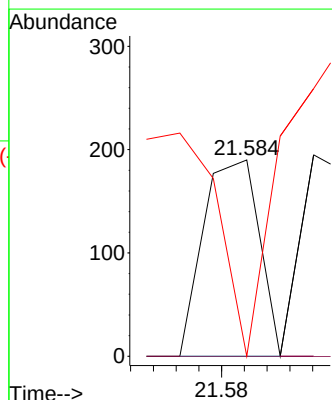
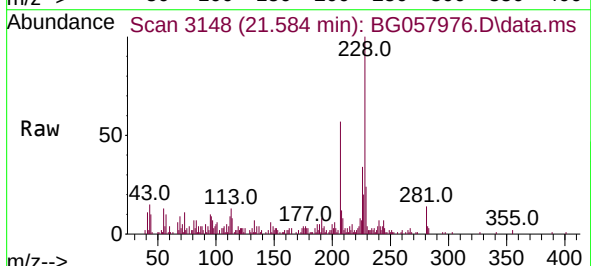
Tgt Ion:252 Resp: 129

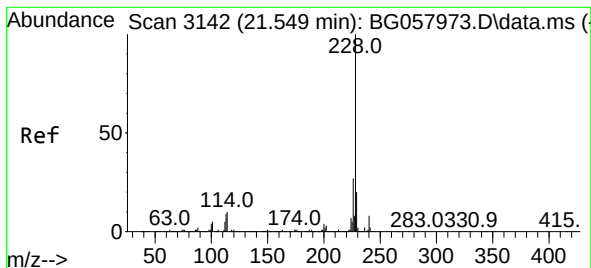
Ion Ratio Lower Upper

252 100

254 0.0 50.7 76.1#

126 0.0 6.6 10.0#





#85

Benzo(a)anthracene

Concen: 7840.827 ng/ul

RT: 21.608 min Scan# 3152

Delta R.T. 0.059 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

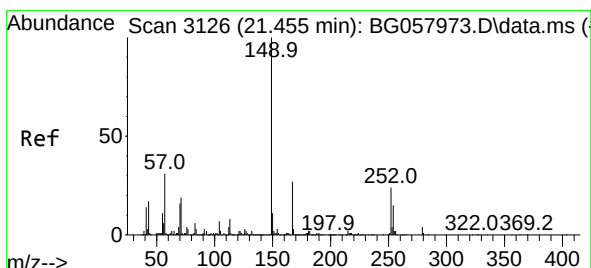
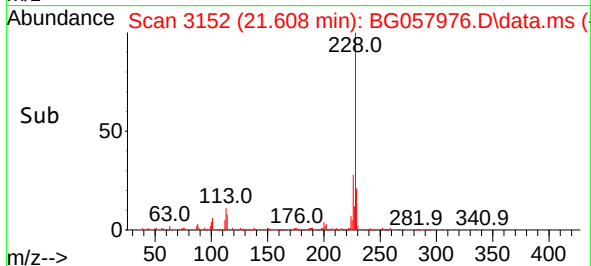
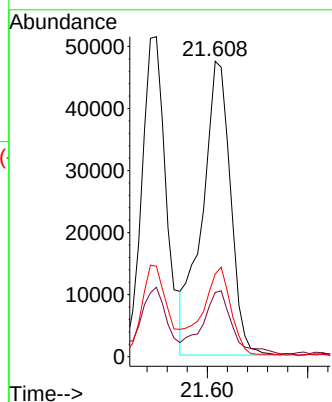
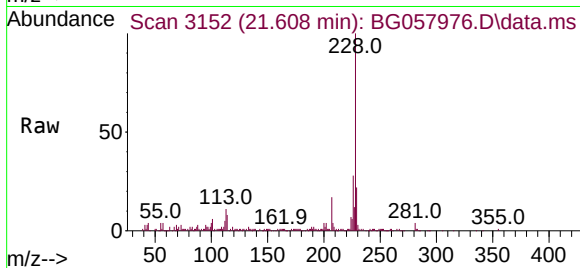
Instrument :

BNA_G

ClientSampleId :

DCGM2

Tgt Ion:	228	Resp:	93455
Ion Ratio	Lower	Upper	
228	100		
229	21.7	16.0	24.0
226	28.0	22.0	33.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 1629.938 ng/ul

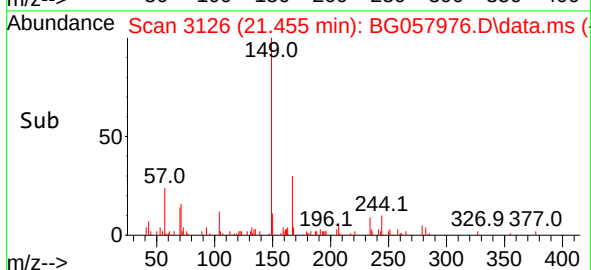
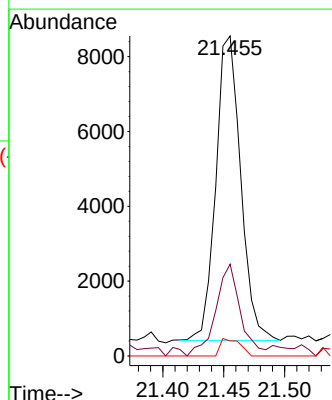
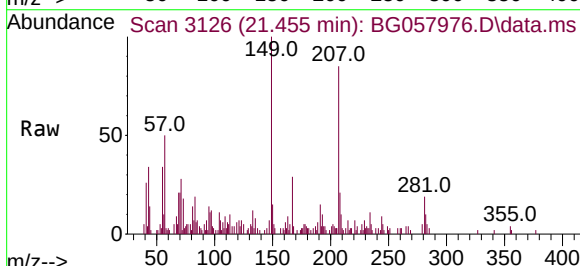
RT: 21.455 min Scan# 3126

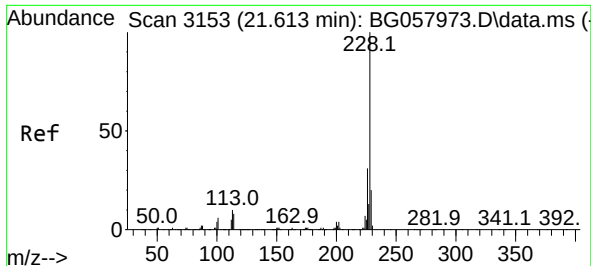
Delta R.T. 0.001 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

Tgt Ion:	149	Resp:	11550
Ion Ratio	Lower	Upper	
149	100		
167	28.7	20.9	31.3
279	4.7	3.1	4.7

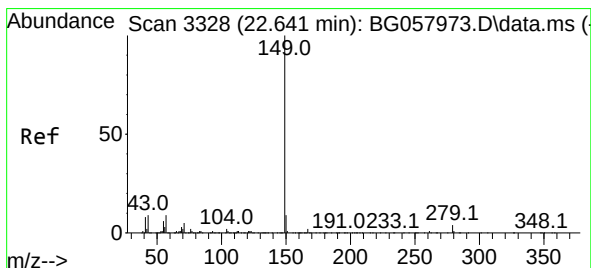
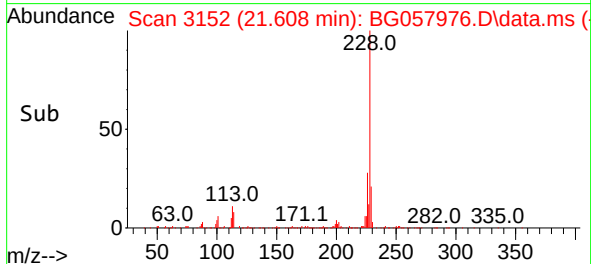
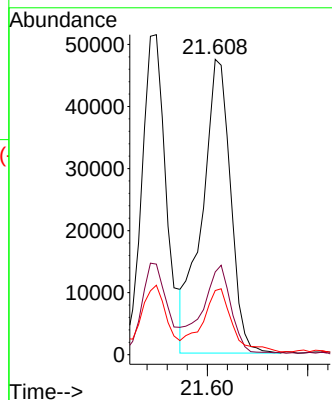
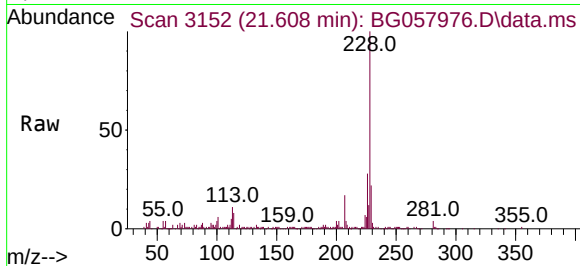




#87
Chrysene
Concen: 8364.153 ng/ul
RT: 21.608 min Scan# 3153
Delta R.T. -0.005 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

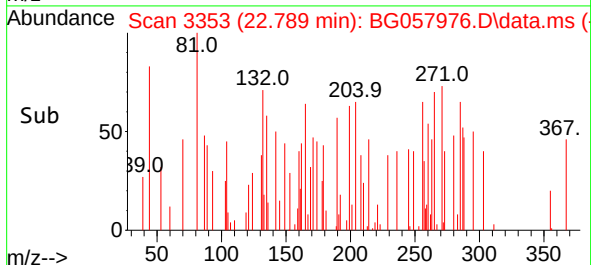
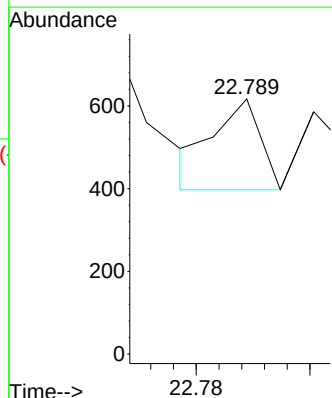
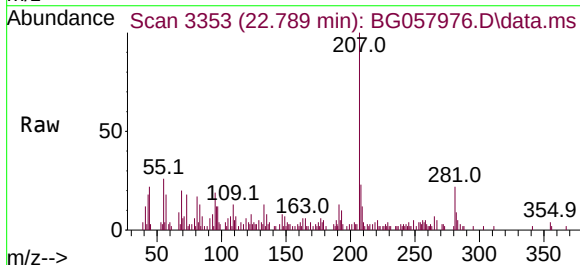
Instrument :
BNA_G
ClientSampleId :
DCGM2

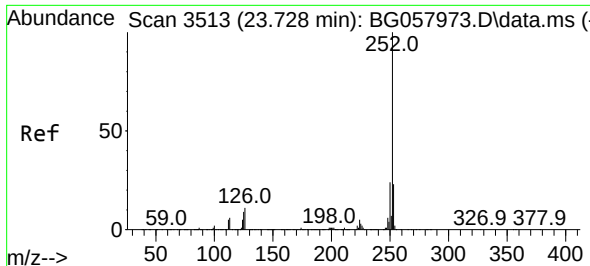
Tgt Ion:228 Resp: 93455
Ion Ratio Lower Upper
228 100
226 28.0 24.4 36.6
229 21.7 15.5 23.3



#89
Di-n-octyl phthalate
Concen: 10.648 ng/ul
RT: 22.789 min Scan# 3353
Delta R.T. 0.148 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Tgt Ion:149 Resp: 123

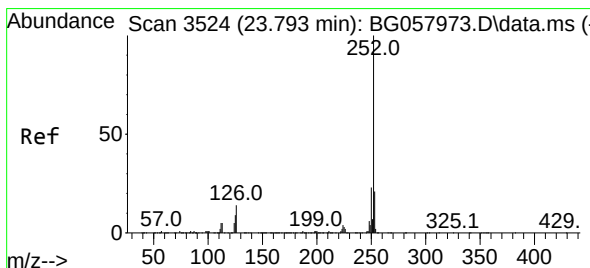
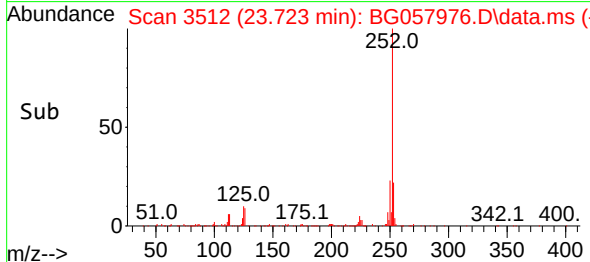
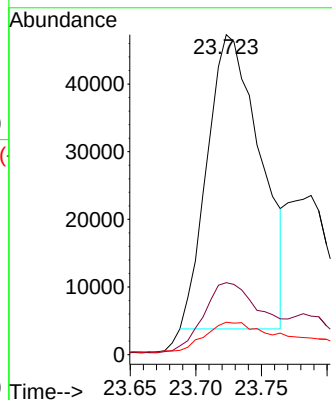
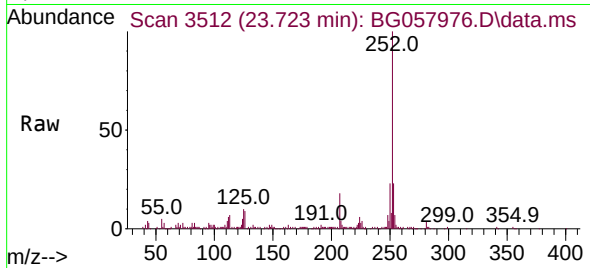




#90
Benzo(b)fluoranthene
Concen: 10544.917 ng/u1
RT: 23.723 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

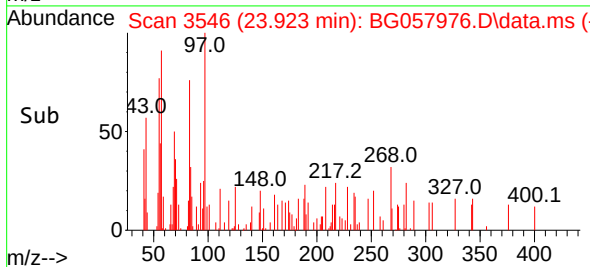
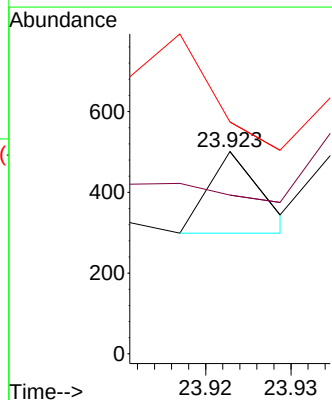
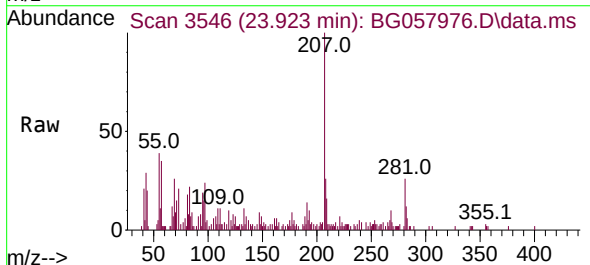
Instrument :
BNA_G
ClientSampleId :
DCGM2

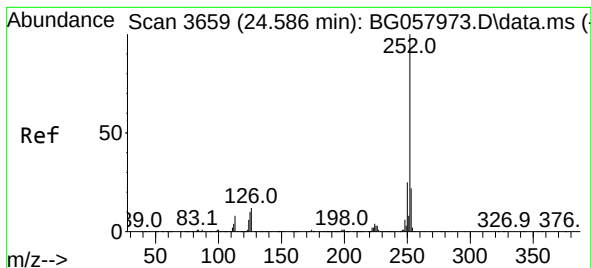
Tgt Ion:252 Resp: 122748
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 10.1 7.5 11.3



#91
Benzo(k)fluoranthene
Concen: 7.625 ng/u1
RT: 23.923 min Scan# 3546
Delta R.T. 0.130 min
Lab File: BG057976.D
Acq: 4 Jul 2023 6:21

Tgt Ion:252 Resp: 87
Ion Ratio Lower Upper
252 100
253 78.4 17.7 26.5#
125 114.6 7.4 11.2#





#93

Benzo(a)pyrene

Concen: 8183.609 ng/u1

RT: 24.581 min Scan# 3

Delta R.T. -0.005 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

Instrument :

BNA_G

ClientSampleId :

DCGM2

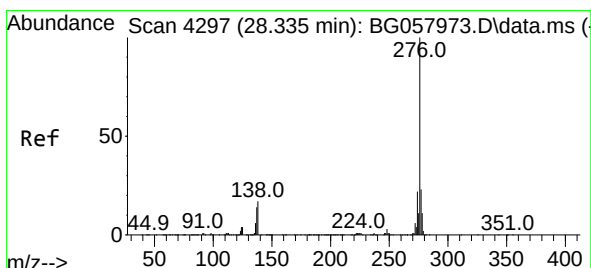
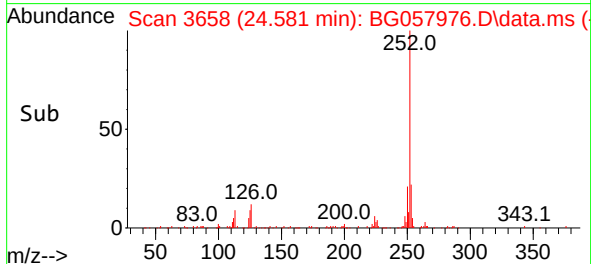
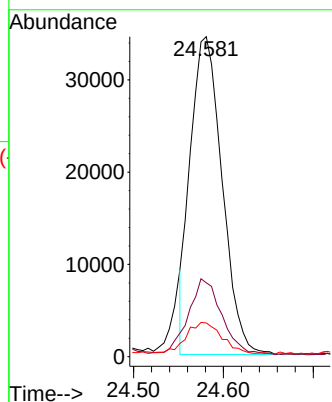
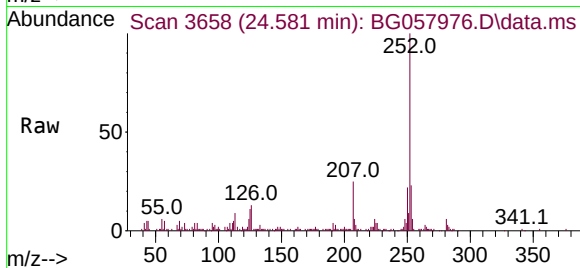
Tgt Ion:252 Resp: 84316

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 10.5 8.3 12.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.701 ng/u1

RT: 28.500 min Scan# 4325

Delta R.T. 0.165 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

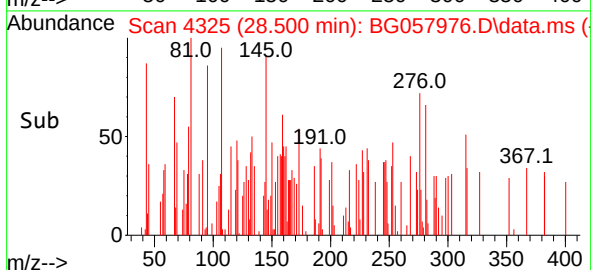
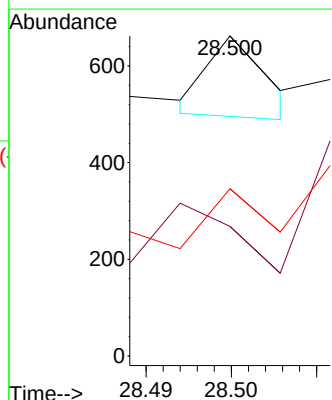
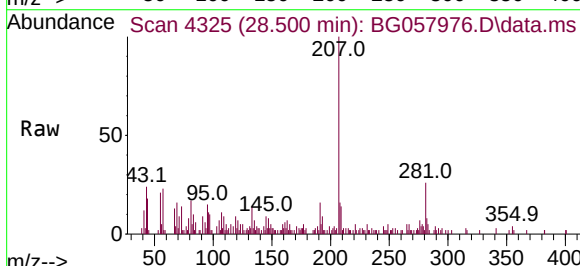
Tgt Ion:276 Resp: 78

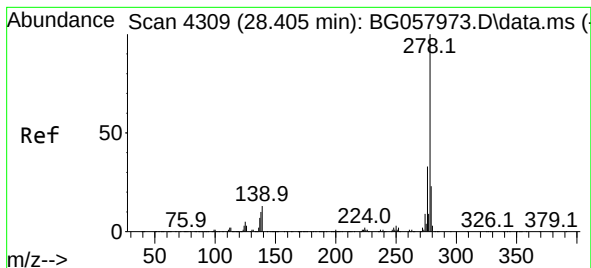
Ion Ratio Lower Upper

276 100

138 40.5 14.0 21.0#

277 52.3 19.4 29.2#





#95

Dibenzo(a,h)anthracene

Concen: 74.722 ng/ul

RT: 28.553 min Scan# 41

Delta R.T. 0.148 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

Instrument :

BNA_G

ClientSampleId :

DCGM2

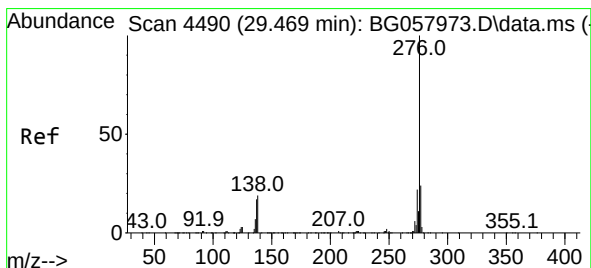
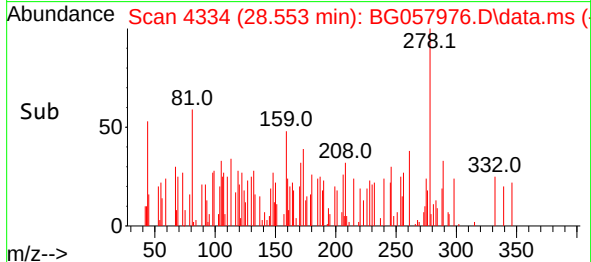
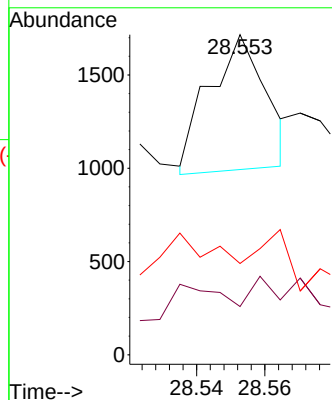
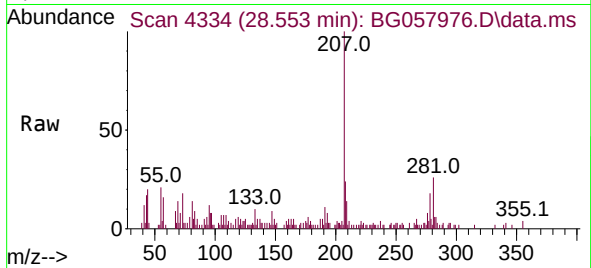
Tgt Ion:278 Resp: 843

Ion Ratio Lower Upper

278 100

139 15.1 11.3 16.9

279 28.5 18.9 28.3#



#96

Benzo(g,h,i)perylene

Concen: 19.955 ng/ul

RT: 29.651 min Scan# 4521

Delta R.T. 0.183 min

Lab File: BG057976.D

Acq: 4 Jul 2023 6:21

Tgt Ion:276 Resp: 223

Ion Ratio Lower Upper

276 100

138 45.3 14.2 21.2#

277 42.2 18.6 27.8#

