

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071823\
 Data File : BG058329.D
 Acq On : 19 Jul 2023 15:08
 Operator : CG/JU
 Sample : 03501-17MSD
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46X7MSD

Quant Time: Jul 19 22:36:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.895	152	37848	20.000	ng/ul	0.00
20) Naphthalene-d8	10.697	136	180391	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.534	164	131600	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.278	188	318011	20.000	ng/ul	0.00
79) Chrysene-d12	21.532	240	239745	20.000	ng/ul	0.00
88) Perylene-d12	24.663	264	294014	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.341	96	3098	3.013	ng/uL	0.00
4) Pyridine-d5	3.746	84	35969	11.785	ng/ul	0.00
7) Phenol-d5	7.060	99	71702	19.971	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.225	67	43617	19.437	ng/ul	0.00
11) 2-Chlorophenol-d4	7.430	132	51171	20.360	ng/ul	0.00
15) 4-Methylphenol-d8	8.600	113	45837	16.737	ng/ul	0.00
21) Nitrobenzene-d5	9.058	128	26993	19.963	ng/ul	0.00
24) 2-Nitrophenol-d4	9.781	143	30287	20.518	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.321	165	60295	21.308	ng/ul	0.00
31) 4-Chloroaniline-d4	10.838	131	29104	7.095	ng/ul	0.00
46) Dimethylphthalate-d6	13.935	166	196277	19.341	ng/ul	0.00
49) Acenaphthylene-d8	14.228	160	217580	20.459	ng/ul	0.00
54) 4-Nitrophenol-d4	14.739	143	27866	18.182	ng/ul	0.00
60) Fluorene-d10	15.527	176	179217	21.331	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	28569	17.633	ng/ul	0.00
73) Anthracene-d10	17.378	188	243577	17.726	ng/ul	0.00
81) Pyrene-d10	19.669	212	231359	16.339	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.446	264	150208	10.570	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.370	88	10559	9.053	ng/uL#	83
5) Pyridine	3.776	79	7602	2.358	ng/ul#	72
6) Benzaldehyde	7.037	77	56477	38.950	ng/ul	96
8) Phenol	7.090	94	90159	24.181	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.319	93	62238	21.789	ng/ul	99
12) 2-Chlorophenol	7.460	128	59216	22.509	ng/ul	98
13) 2-Methylphenol	8.341	108	52591	18.097	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.423	45	105311	22.498	ng/ul#	95
16) Acetophenone	8.717	105	118354	25.377	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.694	70	63024	24.690	ng/ul	95
18) 4-Methylphenol	8.664	108	65674	20.795	ng/ul	99
19) Hexachloroethane	8.976	117	13995	13.496	ng/ul	96
22) Nitrobenzene	9.099	77	76617	21.248	ng/ul	99
23) Isophorone	9.616	82	160986	19.914	ng/ul	99
25) 2-Nitrophenol	9.810	139	36446	23.115	ng/ul	93
26) 2,4-Dimethylphenol	9.869	107	9331	2.654	ng/ul	88
27) Bis(2-Chloroethoxy)met...	10.104	93	89738	20.960	ng/ul	97
29) 2,4-Dichlorophenol	10.345	162	64383	23.972	ng/ul	95
30) Naphthalene	10.750	128	222114	23.036	ng/ul	99
32) 4-Chloroaniline	10.862	127	35874	8.556	ng/ul	98
33) Hexachlorobutadiene	11.026	225	42253	22.001	ng/ul	95
34) Caprolactam	11.614	113	18720	16.781	ng/ul	90
35) 4-Chloro-3-methylphenol	11.984	107	67356	19.706	ng/ul	94
36) 2-Methylnaphthalene	12.360	142	156055	24.157	ng/ul	98

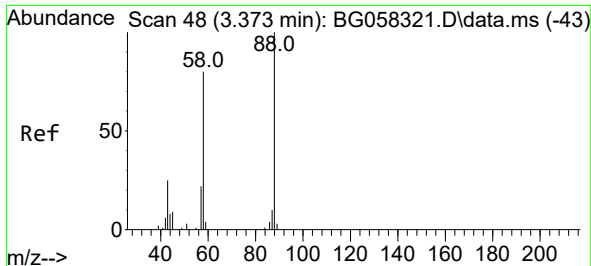
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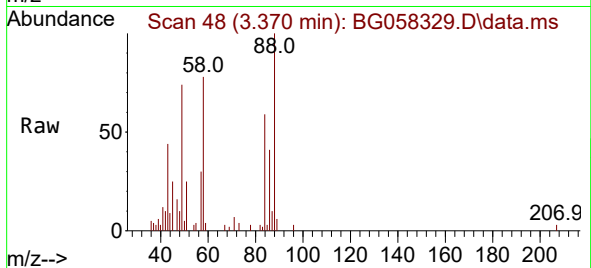
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.577	142	157296	23.758	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.724	216	81237	21.324	ng/ul	99
40) Hexachlorocyclopentadiene	12.701	237	30370	14.822	ng/ul	99
41) 2,4,6-Trichlorophenol	12.965	196	60079	23.297	ng/ul	99
42) 2,4,5-Trichlorophenol	13.041	196	64452	23.437	ng/ul	97
43) 1,1'-Biphenyl	13.365	154	209941	23.592	ng/ul	100
44) 2-Chloronaphthalene	13.412	162	165808	23.435	ng/ul	98
45) 2-Nitroaniline	13.617	65	56737	23.086	ng/ul	95
47) Dimethylphthalate	13.987	163	222325	21.811	ng/ul	99
48) 2,6-Dinitrotoluene	14.111	165	45746	23.224	ng/ul	95
50) Acenaphthylene	14.258	152	262329	22.852	ng/ul	98
51) 3-Nitroaniline	14.440	138	28099	17.118	ng/ul	88
52) Acenaphthene	14.598	153	208100	26.110	ng/ul	99
53) 2,4-Dinitrophenol	14.651	184	17842	17.020	ng/ul#	1
55) 4-Nitrophenol	14.751	109	23142	19.607	ng/ul	95
56) Dibenzofuran	14.933	168	280000	24.672	ng/ul	99
57) 2,4-Dinitrotoluene	14.898	165	66300	23.337	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.163	232	55337	21.780	ng/ul#	98
59) Diethylphthalate	15.351	149	231569	22.052	ng/ul	100
61) Fluorene	15.580	166	239843	25.771	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.574	204	114808	23.237	ng/ul	97
63) 4-Nitroaniline	15.609	138	29436	19.818	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.668	198	33427	20.053	ng/ul#	99
67) N-Nitrosodiphenylamine	15.785	169	146549	18.591	ng/ul	100
68) 4-Bromophenyl-phenylether	16.467	248	75687	22.470	ng/ul	98
69) Hexachlorobenzene	16.584	284	52059	13.697	ng/ul	96
70) Atrazine	16.737	200	69943	22.631	ng/ul	97
71) Pentachlorophenol	16.931	266	33956	15.916	ng/ul	93
72) Phenanthrene	17.325	178	550725	36.441	ng/ul	98
74) Anthracene	17.413	178	350057	23.073	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.335	216	78216	19.608	ng/ul	98
76) Pentachlorobenzene	14.851	250	77590	17.788	ng/ul	97
77) Carbazole	17.683	167	242497	18.439	ng/ul	99
78) Di-n-butylphthalate	18.241	149	1829842	109.496	ng/ul	97
80) Fluoranthene	19.334	202	604463	37.262	ng/ul	99
82) Pyrene	19.698	202	424968	25.855	ng/ul	99
83) Butylbenzylphthalate	20.580	149	172304	26.622	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.432	252	46678	8.722	ng/ul#	95
85) Benzo(a)anthracene	21.514	228	468886	29.097	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.414	149	286128	31.081	ng/ul	98
87) Chrysene	21.578	228	451769	29.556	ng/ul	99
89) Di-n-octyl phthalate	22.589	149	420865	26.903	ng/ul	100
90) Benzo(b)fluoranthene	23.670	252	487986	28.686	ng/ul	99
91) Benzo(k)fluoranthene	23.735	252	427077	25.172	ng/ul	98
93) Benzo(a)pyrene	24.516	252	171114	11.309	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.224	276	328775	16.492	ng/ul	99
95) Dibenzo(a,h)anthracene	28.288	278	405487	24.805	ng/ul	99

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

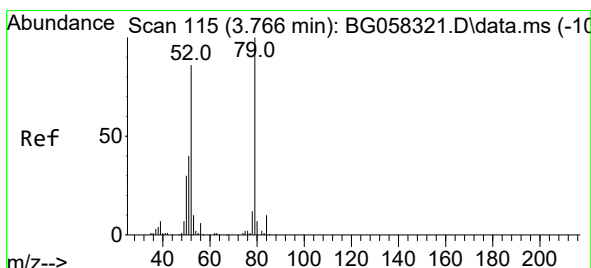
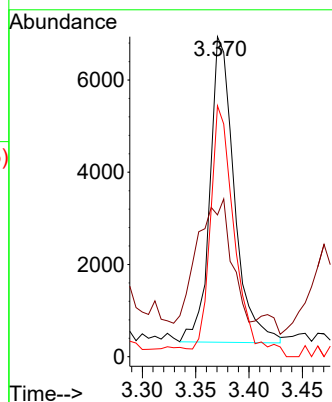
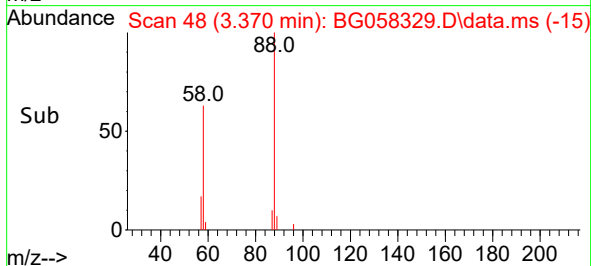


#2
1,4-Dioxane
Concen: 9.053 ng/uL
RT: 3.370 min Scan# 41
Delta R.T. -0.005 min
Lab File: BG058329.D
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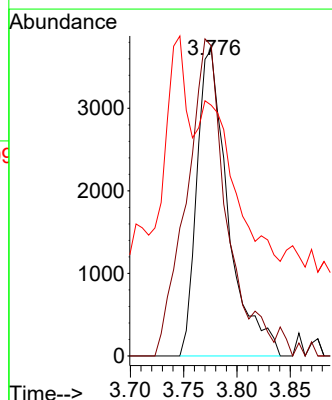
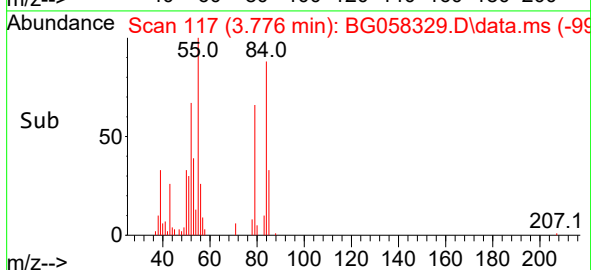
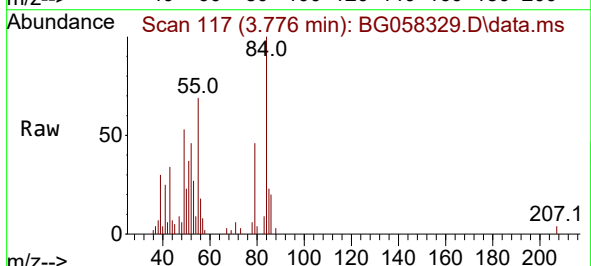


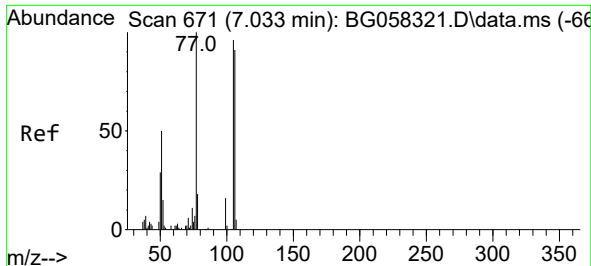
Tgt Ion: 88 Resp: 10559
Ion Ratio Lower Upper
88 100
43 44.3 19.6 29.4#
58 78.4 70.2 105.4



#5
Pyridine
Concen: 2.358 ng/uL
RT: 3.776 min Scan# 117
Delta R.T. 0.007 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion: 79 Resp: 7602
Ion Ratio Lower Upper
79 100
52 101.1 72.3 108.5
51 81.8 33.4 50.0#

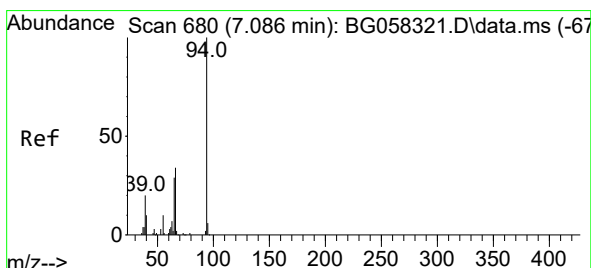
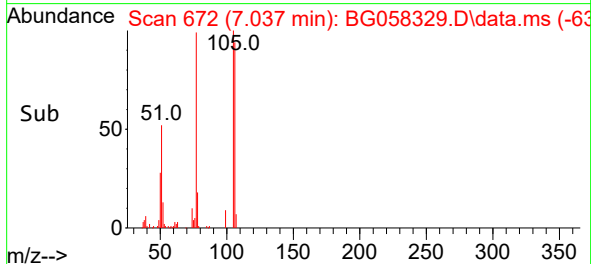
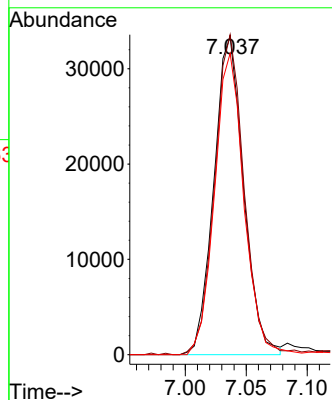
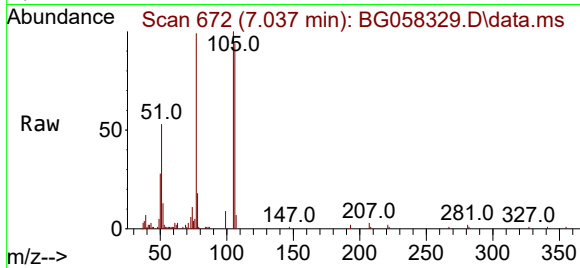




#6
Benzaldehyde
Concen: 38.950 ng/ul
RT: 7.037 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

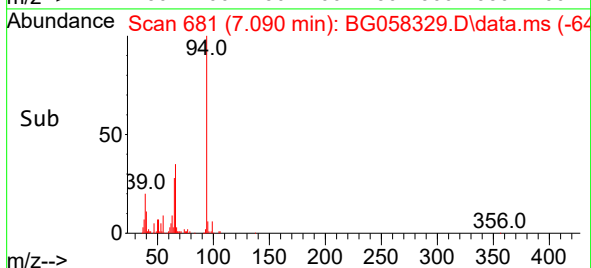
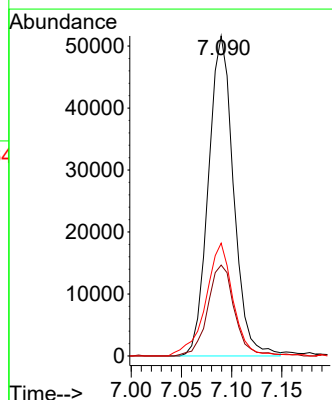
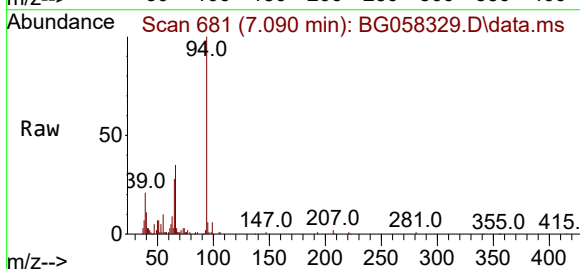
Instrument :
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ClientSampleId :
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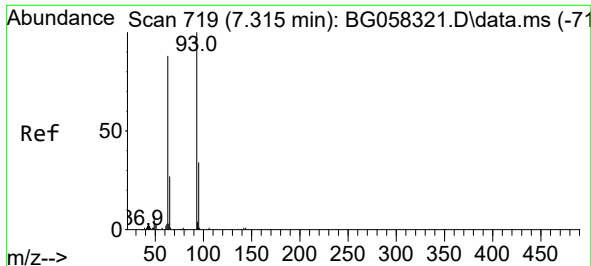
Tgt Ion: 77 Resp: 56477
Ion Ratio Lower Upper
77 100
105 100.6 78.2 117.4
106 94.7 71.6 107.4



#8
Phenol
Concen: 24.181 ng/ul
RT: 7.090 min Scan# 681
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion: 94 Resp: 90159
Ion Ratio Lower Upper
94 100
65 28.4 23.8 35.8
66 35.2 31.2 46.8

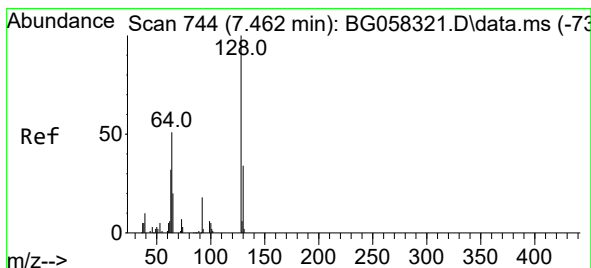
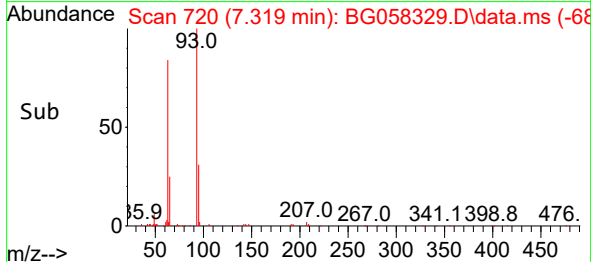
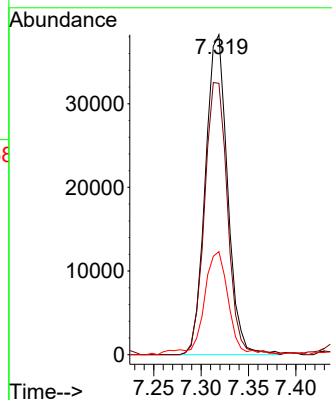
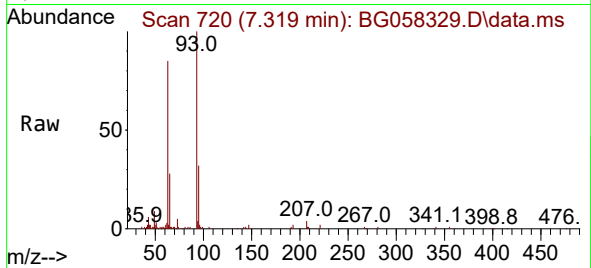




#10
Bis(2-Chloroethyl)ether
Concen: 21.789 ng/ul
RT: 7.319 min Scan# 719
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

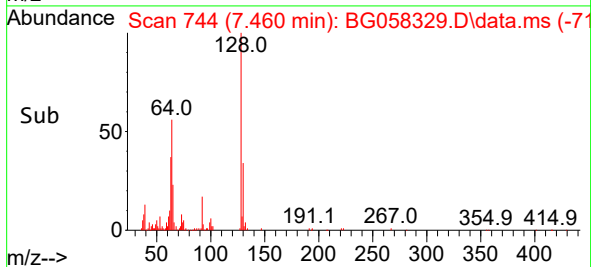
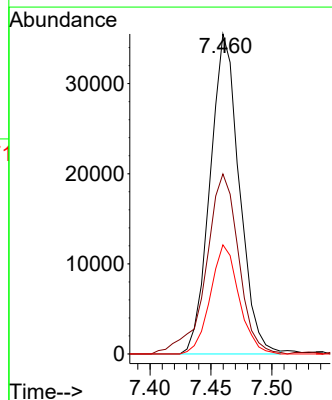
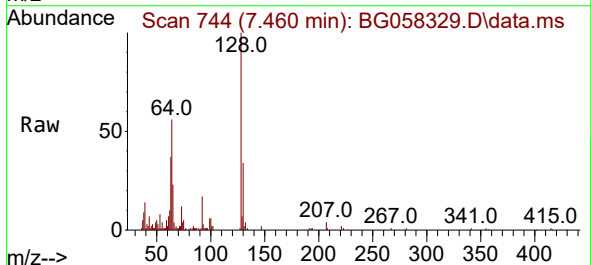
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ClientSampleId :
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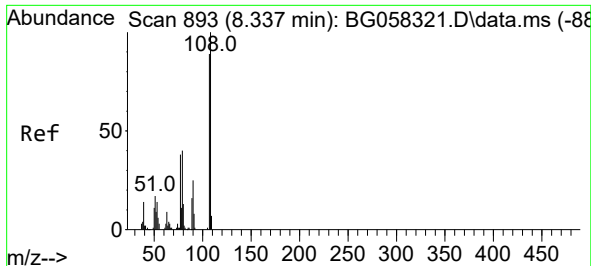
Tgt Ion: 93 Resp: 62238
Ion Ratio Lower Upper
93 100
63 84.8 67.7 101.5
95 32.2 27.0 40.6



#12
2-Chlorophenol
Concen: 22.509 ng/ul
RT: 7.460 min Scan# 744
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion: 128 Resp: 59216
Ion Ratio Lower Upper
128 100
64 56.3 45.6 68.4
130 34.1 25.2 37.8

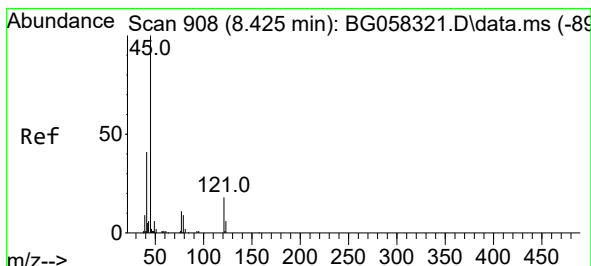
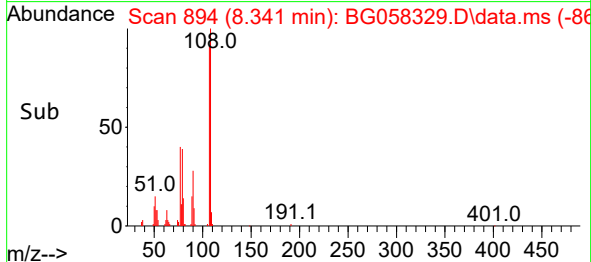
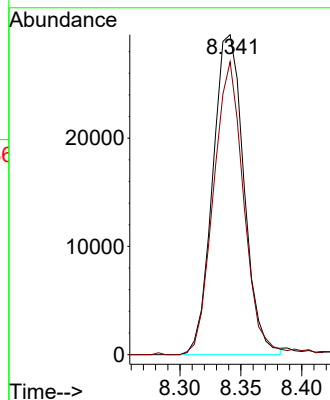
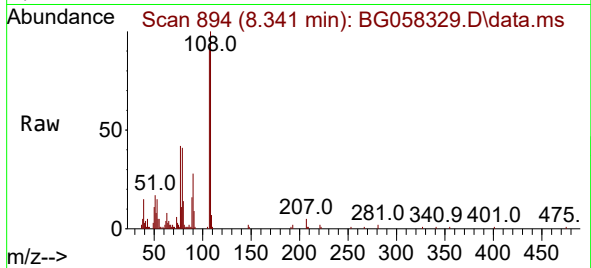




#13
2-Methylphenol
Concen: 18.097 ng/ul
RT: 8.341 min Scan# 894
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

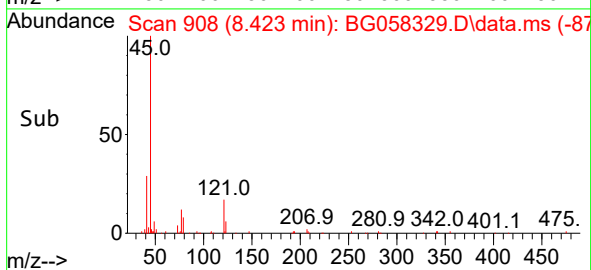
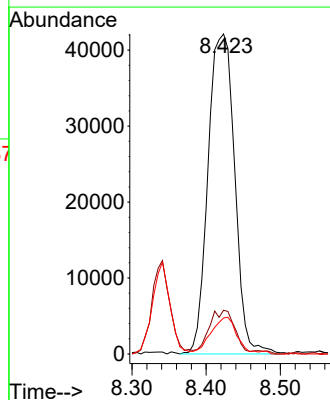
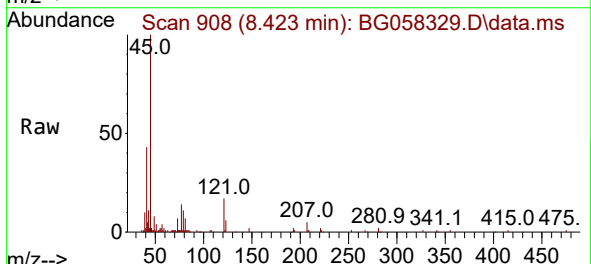
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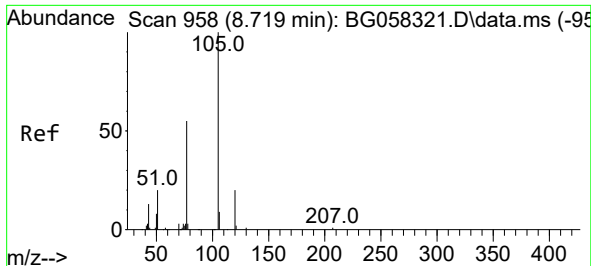
Tgt Ion:108 Resp: 52591
Ion Ratio Lower Upper
108 100
107 91.5 71.5 107.3



#14
2,2'-oxybis(1-Chloropropane)
Concen: 22.498 ng/ul
RT: 8.423 min Scan# 908
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion: 45 Resp: 105311
Ion Ratio Lower Upper
45 100
77 13.6 9.4 14.2
79 11.3 7.4 11.2#

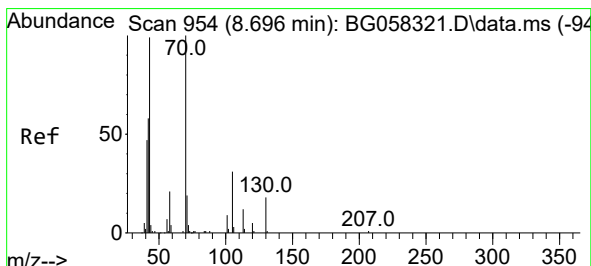
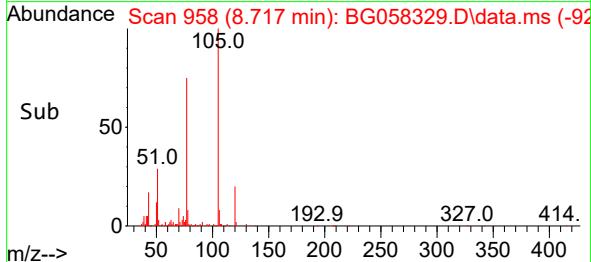
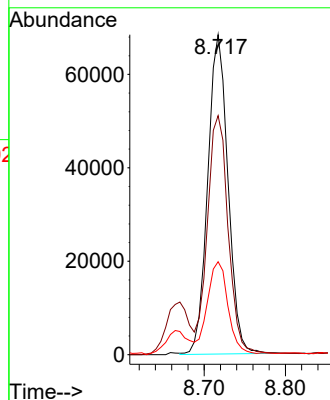
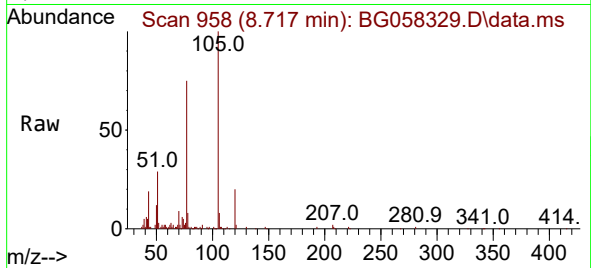




#16
Acetophenone
Concen: 25.377 ng/ul
RT: 8.717 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

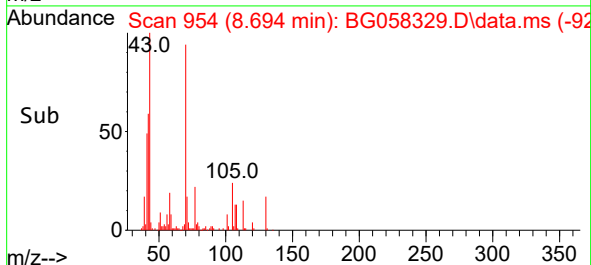
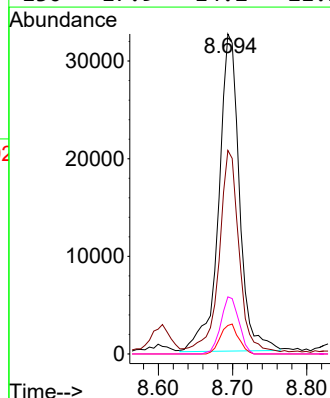
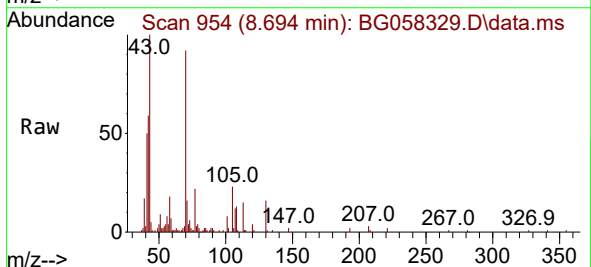
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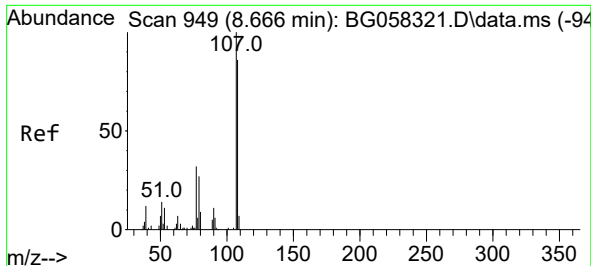
Tgt Ion:105 Resp: 118354
Ion Ratio Lower Upper
105 100
77 74.7 60.7 91.1
51 29.1 23.5 35.3



#17
N-Nitroso-di-n-propylamine
Concen: 24.690 ng/ul
RT: 8.694 min Scan# 954
Delta R.T. -0.010 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion: 70 Resp: 63024
Ion Ratio Lower Upper
70 100
42 63.6 46.6 69.8
101 8.9 7.3 10.9
130 17.9 14.2 21.2

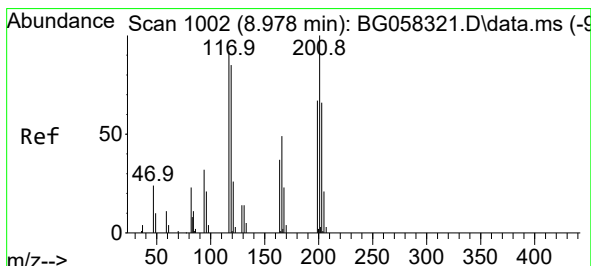
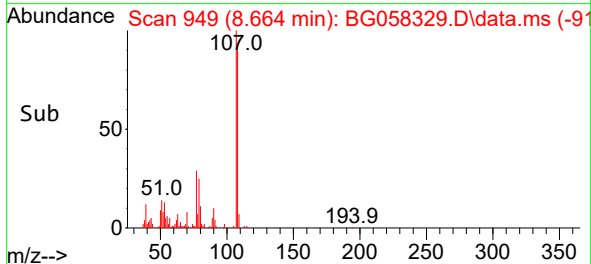
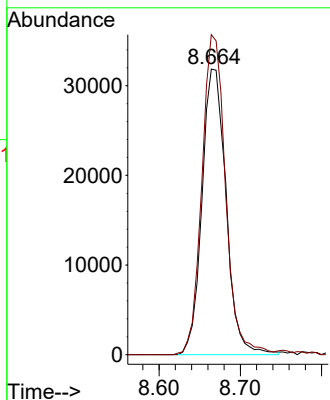
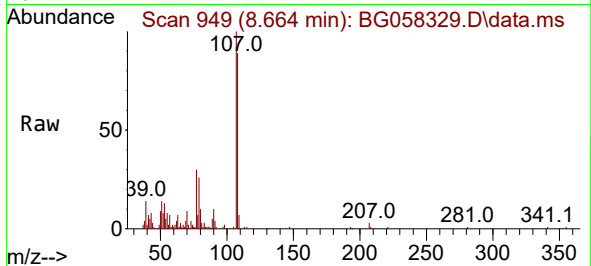




#18
4-Methylphenol
Concen: 20.795 ng/ul
RT: 8.664 min Scan# 949
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

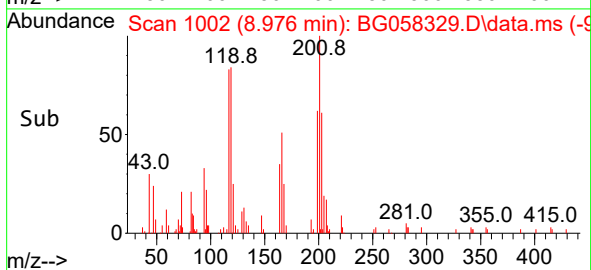
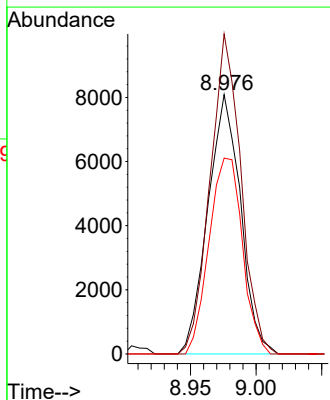
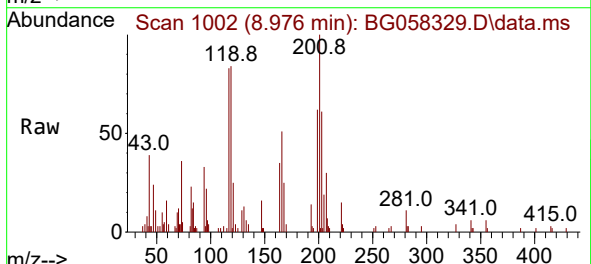
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

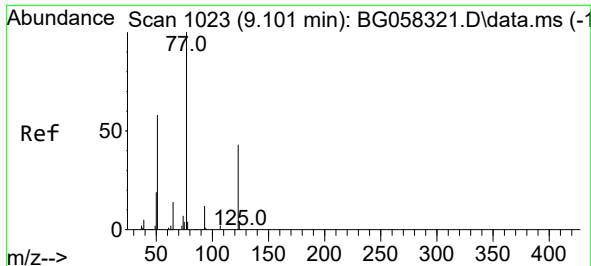
Tgt Ion:108 Resp: 65674
Ion Ratio Lower Upper
108 100
107 112.0 90.6 136.0



#19
Hexachloroethane
Concen: 13.496 ng/ul
RT: 8.976 min Scan# 1002
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:117 Resp: 13995
Ion Ratio Lower Upper
117 100
201 123.4 103.6 155.4
199 75.5 60.1 90.1

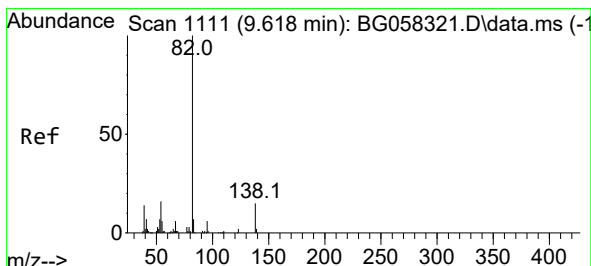
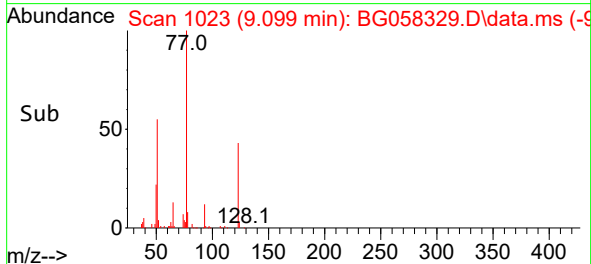
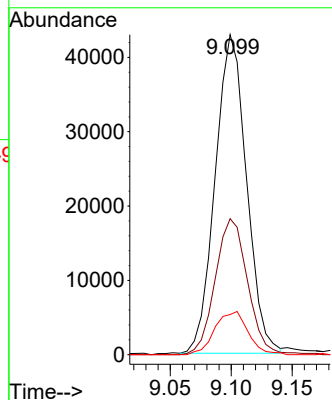
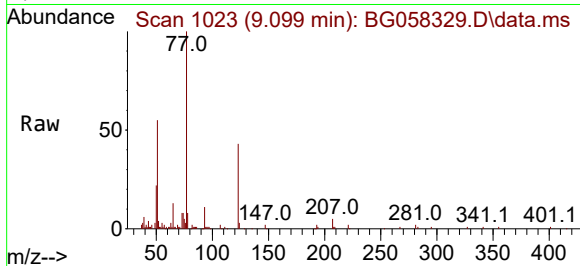




#22
Nitrobenzene
Concen: 21.248 ng/ul
RT: 9.099 min Scan# 1023
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

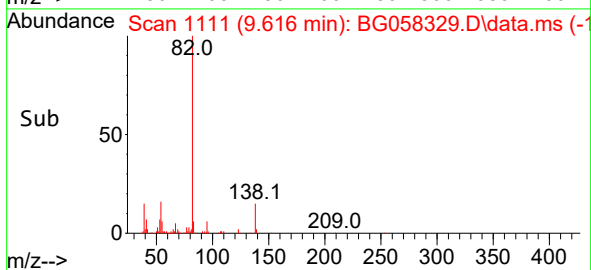
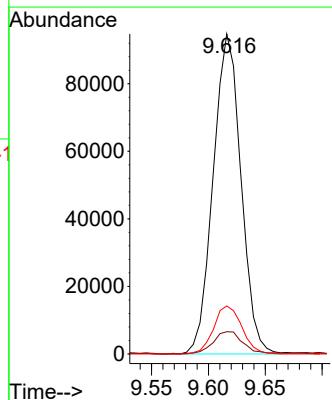
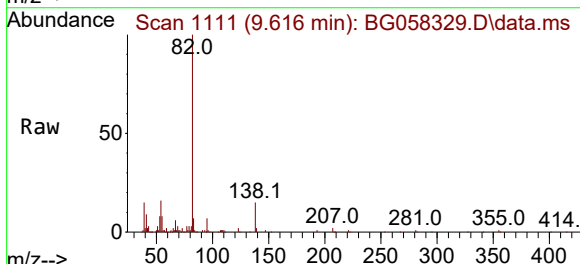
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

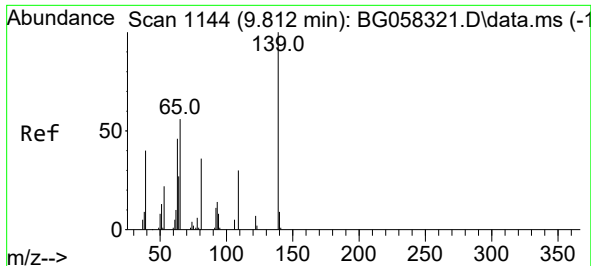
Tgt Ion: 77 Resp: 76617
Ion Ratio Lower Upper
77 100
123 42.5 34.0 51.0
65 12.6 11.0 16.6



#23
Isophorone
Concen: 19.914 ng/ul
RT: 9.616 min Scan# 1111
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion: 82 Resp: 160986
Ion Ratio Lower Upper
82 100
95 7.0 5.1 7.7
138 15.0 11.9 17.9

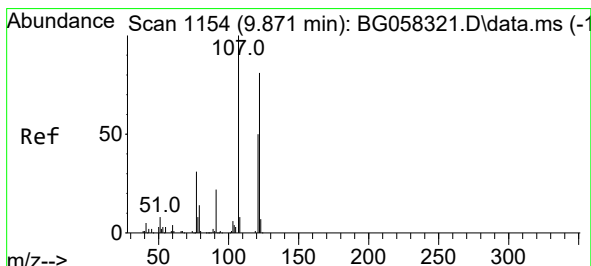
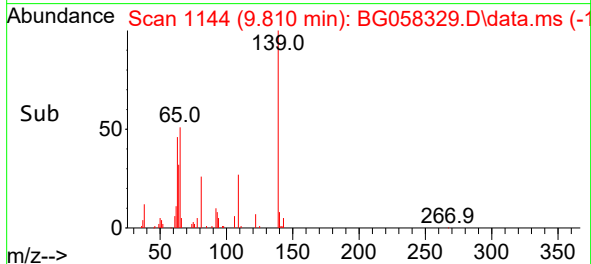
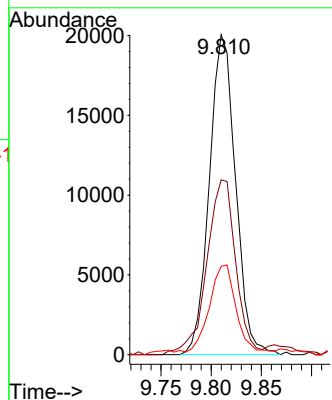
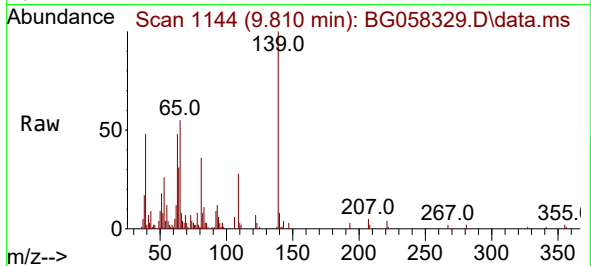




#25
2-Nitrophenol
Concen: 23.115 ng/ul
RT: 9.810 min Scan# 1144
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

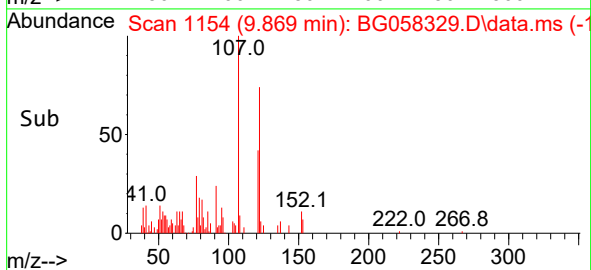
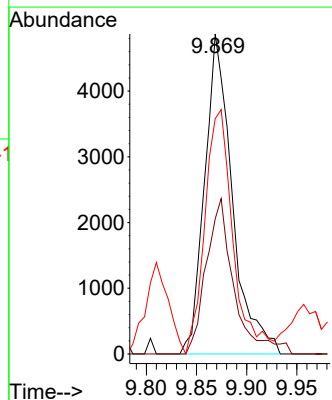
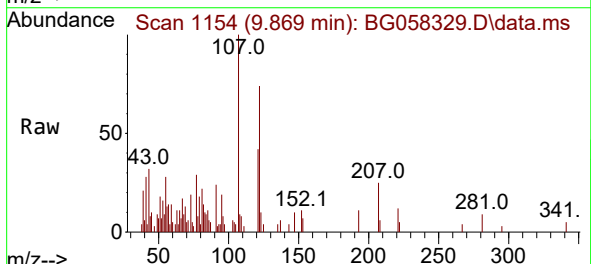
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

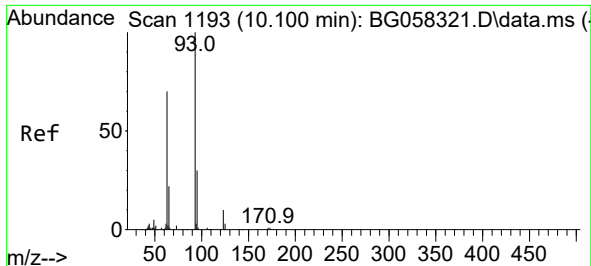
Tgt Ion:139 Resp: 36446
Ion Ratio Lower Upper
139 100
65 54.7 49.2 73.8
109 27.6 21.6 32.4



#26
2,4-Dimethylphenol
Concen: 2.654 ng/ul
RT: 9.869 min Scan# 1154
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:107 Resp: 9331
Ion Ratio Lower Upper
107 100
121 42.3 39.1 58.7
122 73.5 68.9 103.3





#27

Bis(2-Chloroethoxy)methane

Concen: 20.960 ng/ul

RT: 10.104 min Scan# 1194

Delta R.T. -0.004 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD

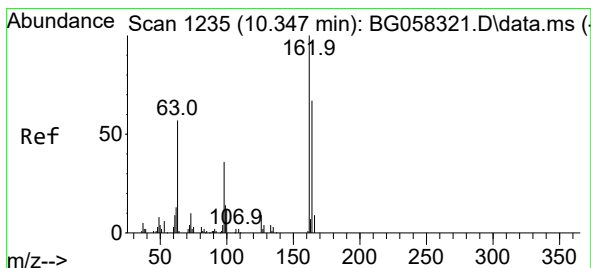
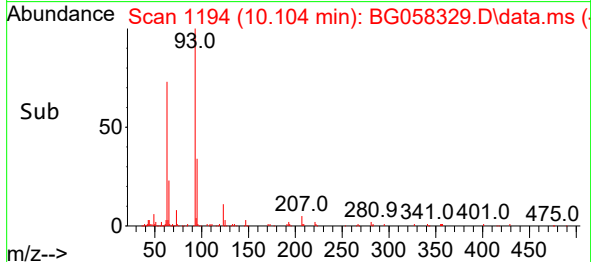
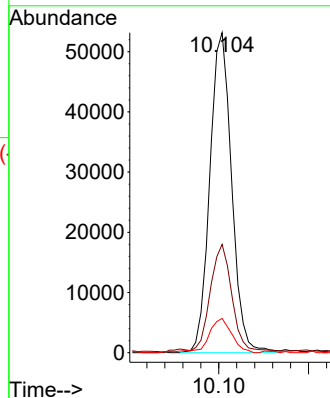
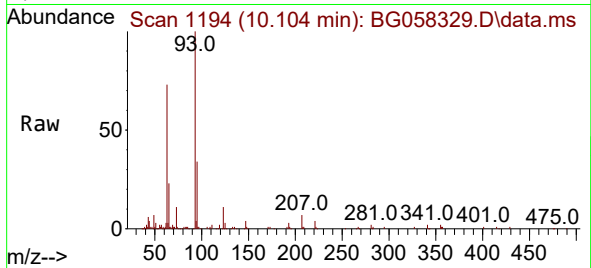
Tgt Ion: 93 Resp: 89738

Ion Ratio Lower Upper

93 100

95 33.9 25.8 38.8

123 10.7 9.3 13.9



#29

2,4-Dichlorophenol

Concen: 23.972 ng/ul

RT: 10.345 min Scan# 1235

Delta R.T. -0.004 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

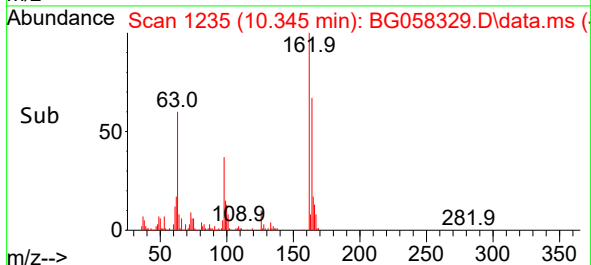
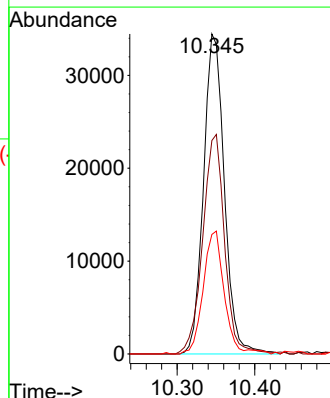
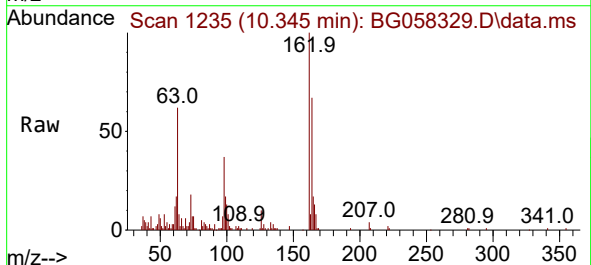
Tgt Ion:162 Resp: 64383

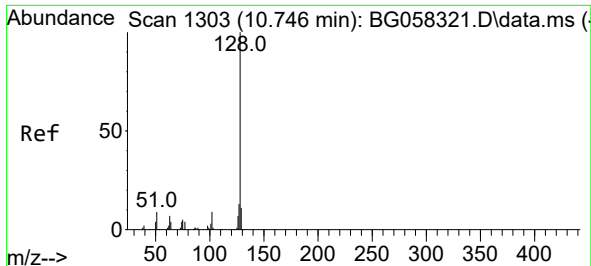
Ion Ratio Lower Upper

162 100

164 66.7 58.4 87.6

98 37.4 29.6 44.4

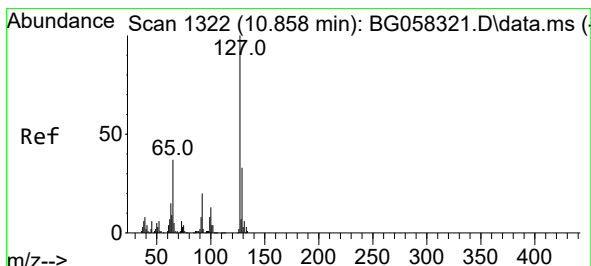
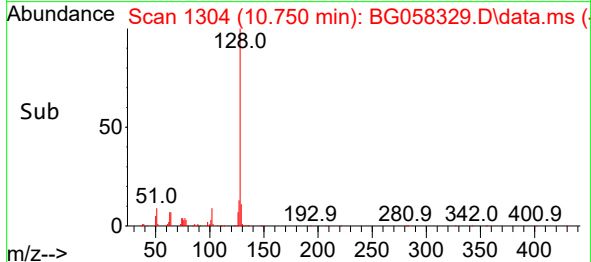
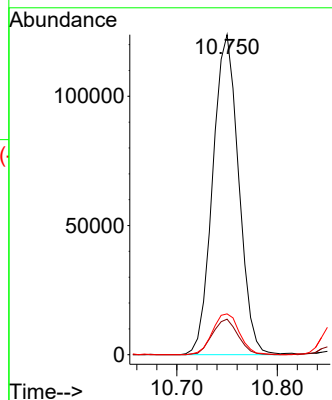
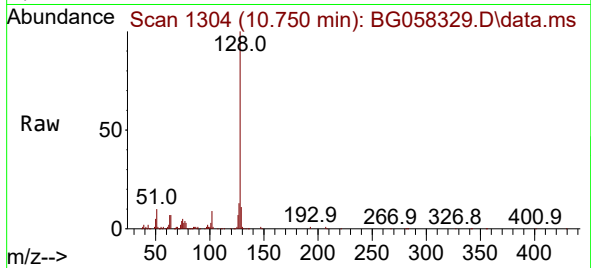




#30
Naphthalene
Concen: 23.036 ng/ul
RT: 10.750 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

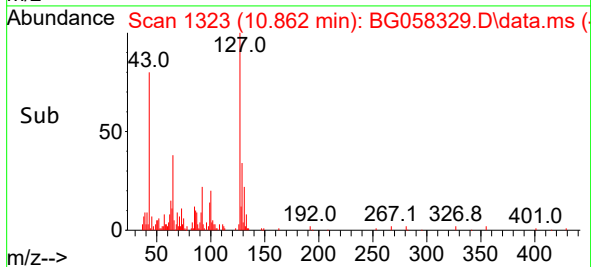
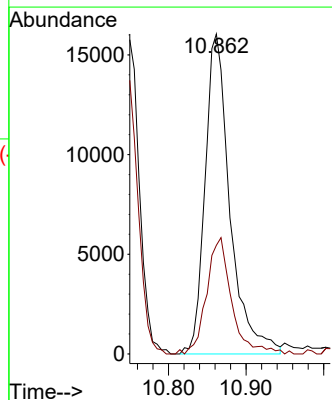
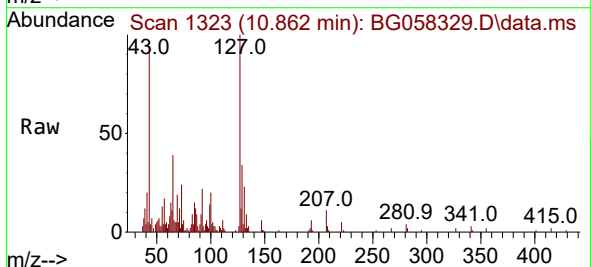
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

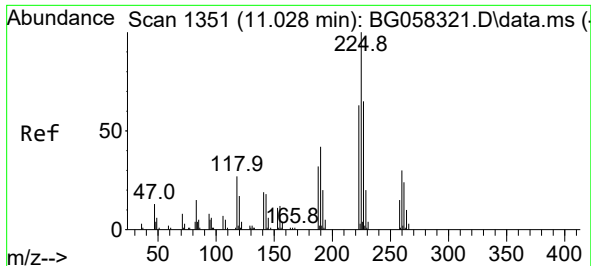
Tgt Ion:128 Resp: 222114
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.7 10.8 16.2



#32
4-Chloroaniline
Concen: 8.556 ng/ul
RT: 10.862 min Scan# 1323
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:127 Resp: 35874
Ion Ratio Lower Upper
127 100
129 33.9 26.1 39.1

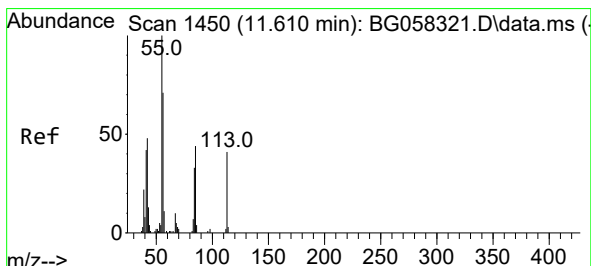
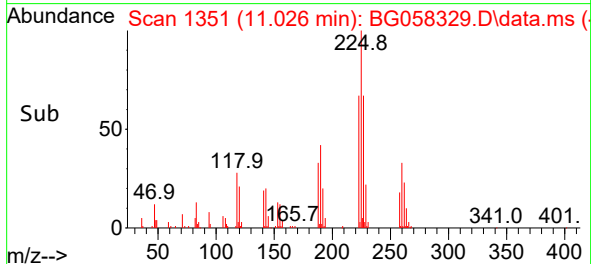
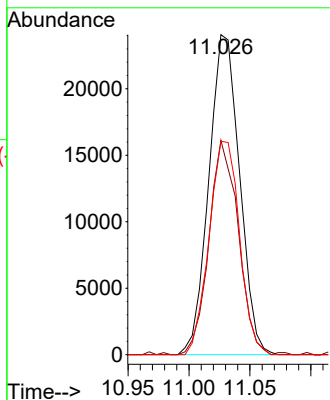
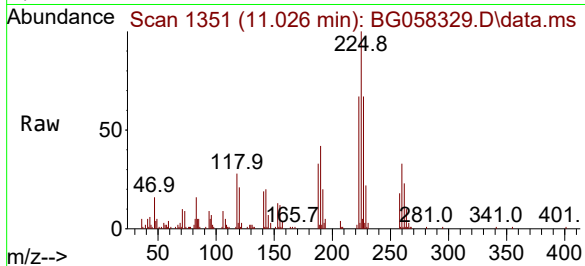




#33
Hexachlorobutadiene
Concen: 22.001 ng/ul
RT: 11.026 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

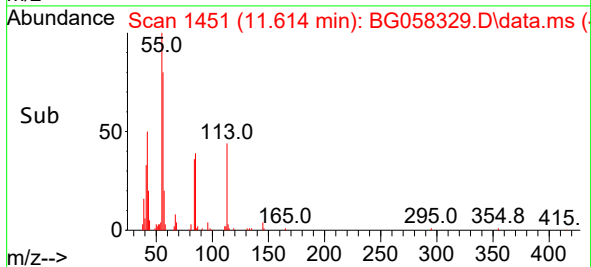
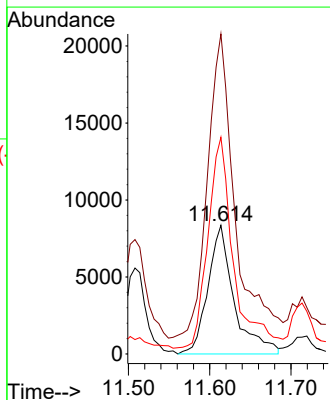
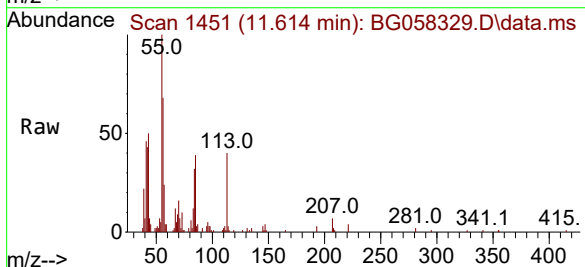
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

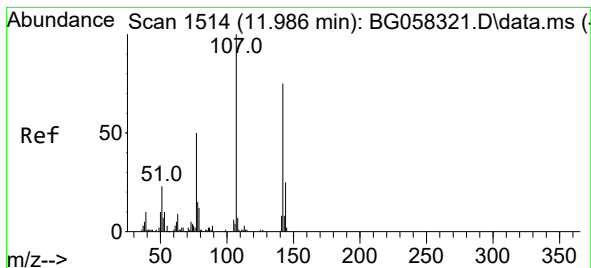
Tgt Ion:225 Resp: 42253
Ion Ratio Lower Upper
225 100
223 69.8 49.7 74.5
227 66.7 53.2 79.8



#34
Caprolactam
Concen: 16.781 ng/ul
RT: 11.614 min Scan# 1451
Delta R.T. -0.022 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:113 Resp: 18720
Ion Ratio Lower Upper
113 100
55 248.9 179.8 269.6
56 168.4 132.2 198.4

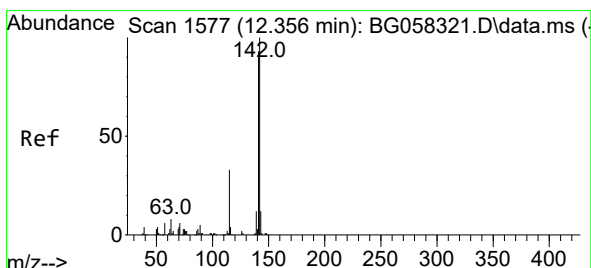
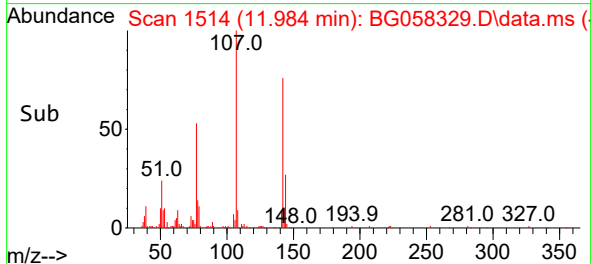
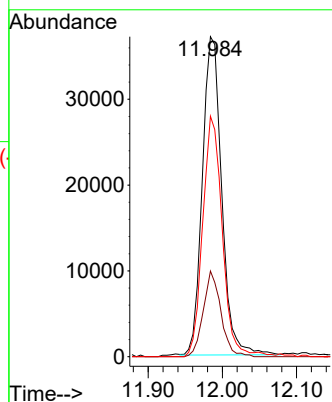
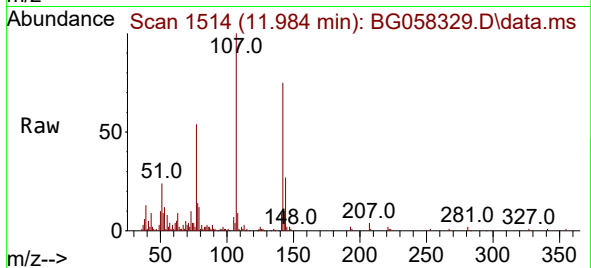




#35
4-Chloro-3-methylphenol
Concen: 19.706 ng/ul
RT: 11.984 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

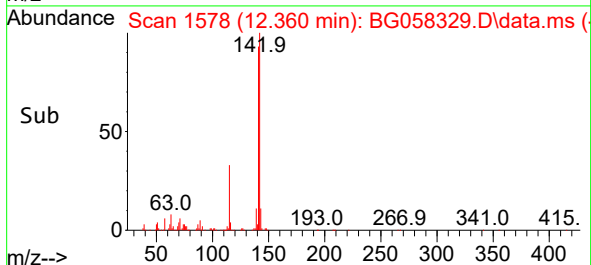
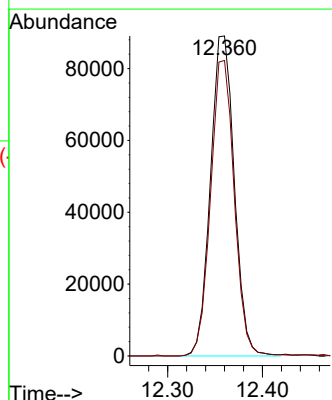
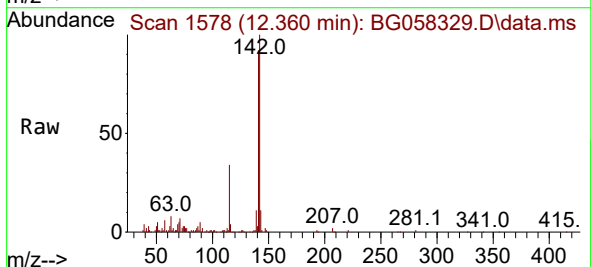
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

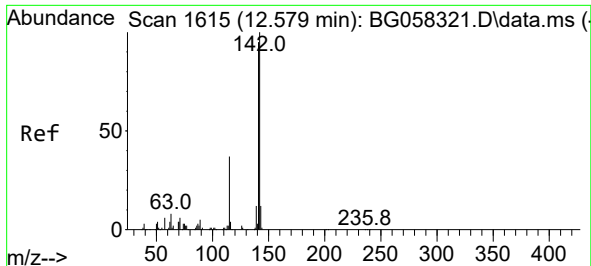
Tgt Ion:107 Resp: 67356
Ion Ratio Lower Upper
107 100
144 26.8 19.0 28.6
142 75.1 55.8 83.6



#36
2-Methylnaphthalene
Concen: 24.157 ng/ul
RT: 12.360 min Scan# 1578
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:142 Resp: 156055
Ion Ratio Lower Upper
142 100
141 92.3 72.6 108.8





#37

1-Methylnaphthalene

Concen: 23.758 ng/ul

RT: 12.577 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD

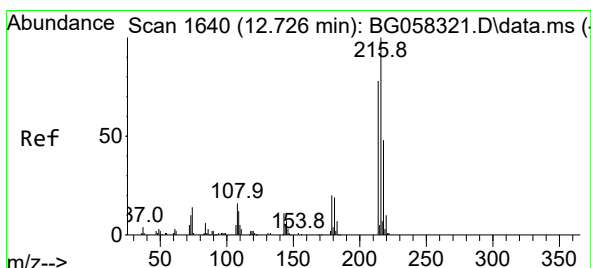
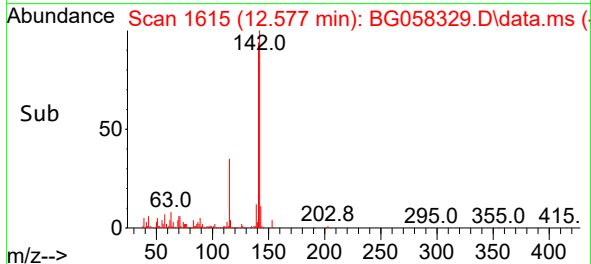
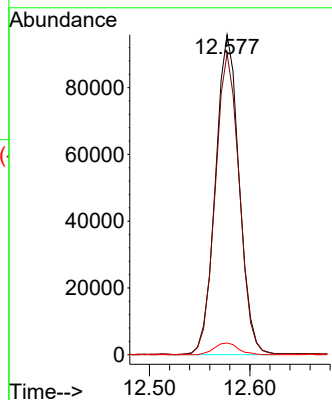
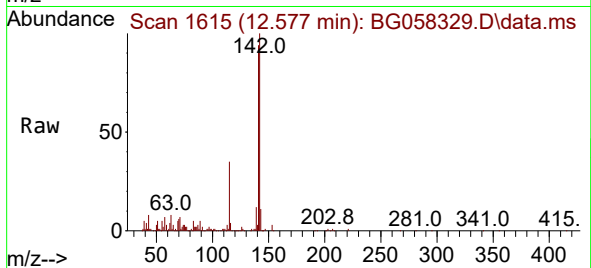
Tgt Ion:142 Resp: 157296

Ion Ratio Lower Upper

142 100

141 94.1 75.8 113.6

116 3.7 3.2 4.8



#39

1,2,4,5-Tetrachlorobenzene

Concen: 21.324 ng/ul

RT: 12.724 min Scan# 1640

Delta R.T. -0.004 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Tgt Ion:216 Resp: 81237

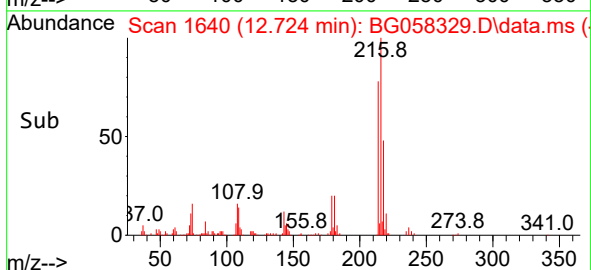
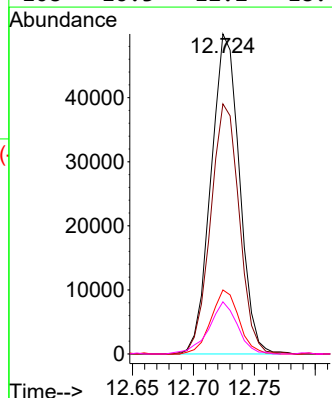
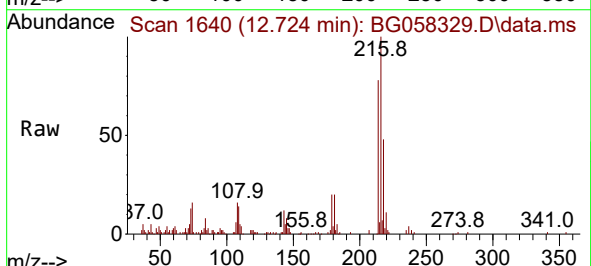
Ion Ratio Lower Upper

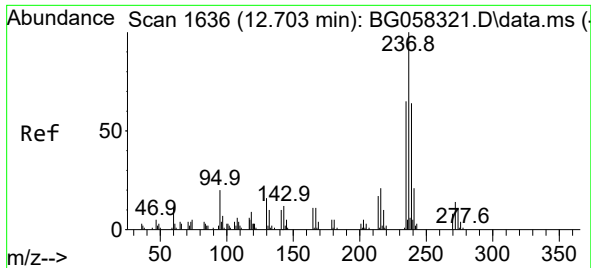
216 100

214 78.1 62.2 93.4

179 20.0 16.2 24.2

108 16.3 12.2 18.4

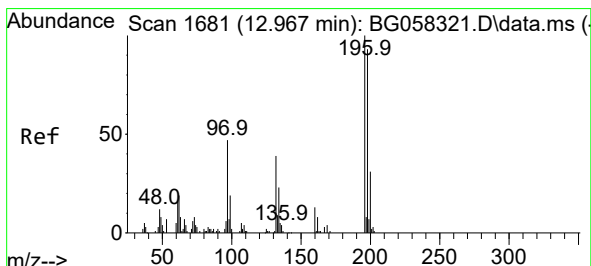
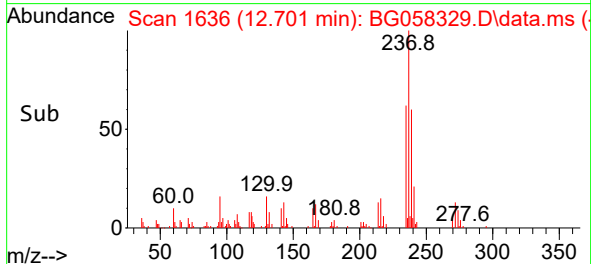
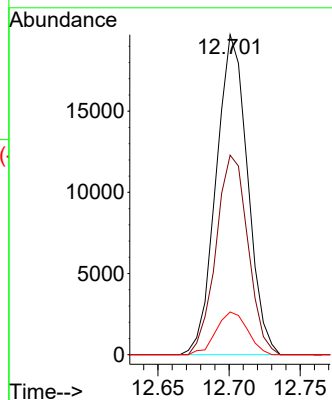
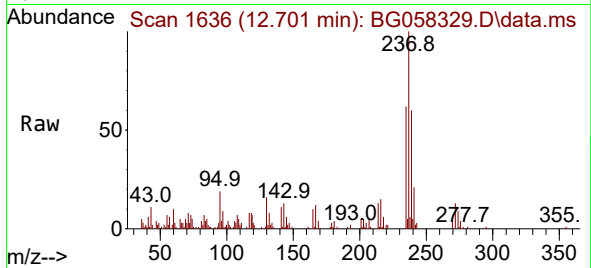




#40
Hexachlorocyclopentadiene
Concen: 14.822 ng/ul
RT: 12.701 min Scan# 1636
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

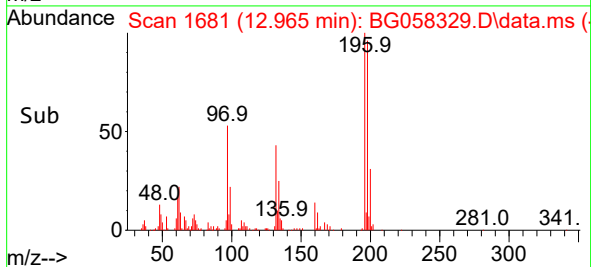
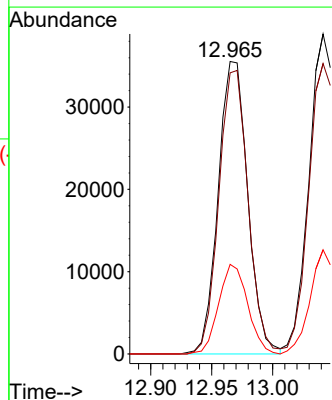
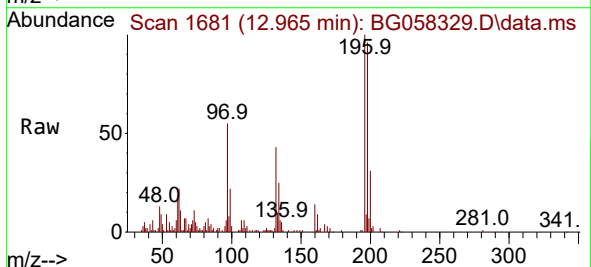
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

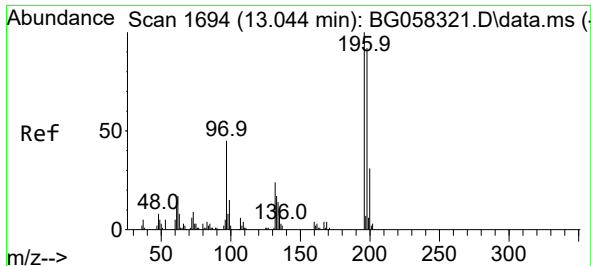
Tgt Ion:237 Resp: 30370
Ion Ratio Lower Upper
237 100
235 62.4 50.9 76.3
272 13.3 10.8 16.2



#41
2,4,6-Trichlorophenol
Concen: 23.297 ng/ul
RT: 12.965 min Scan# 1681
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:196 Resp: 60079
Ion Ratio Lower Upper
196 100
198 96.1 77.7 116.5
200 30.6 25.0 37.6

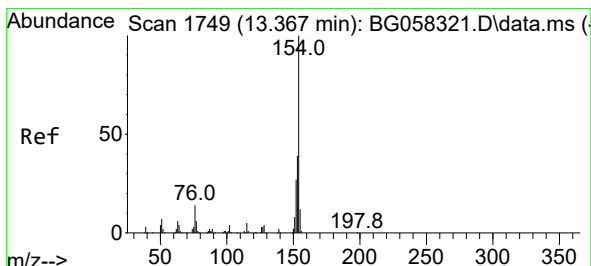
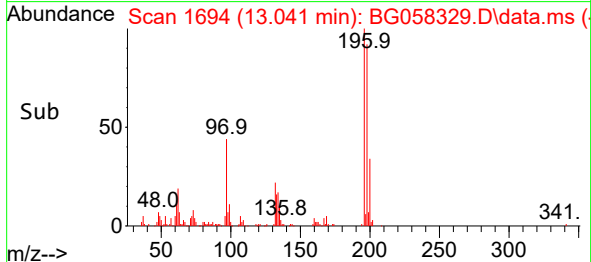
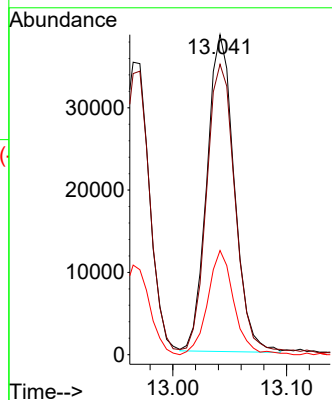
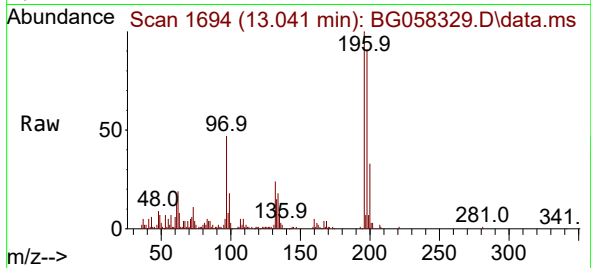




#42
2,4,5-Trichlorophenol
Concen: 23.437 ng/ul
RT: 13.041 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

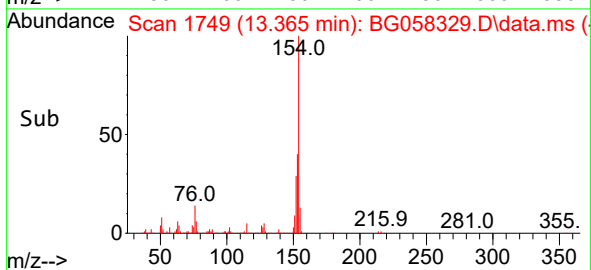
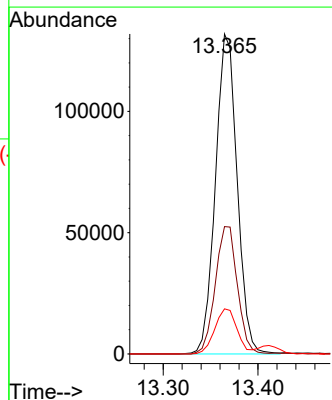
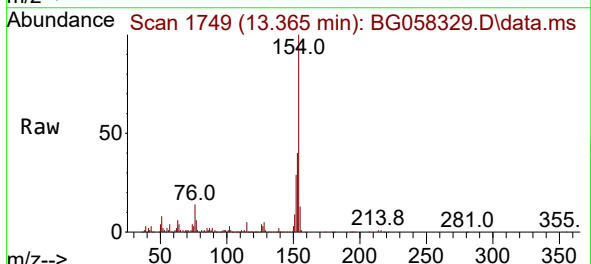
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

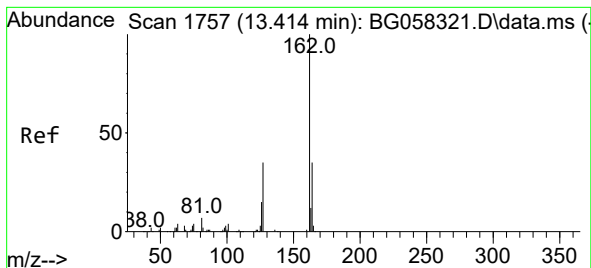
Tgt Ion:196 Resp: 64452
Ion Ratio Lower Upper
196 100
198 90.7 74.8 112.2
200 32.5 24.4 36.6



#43
1,1'-Biphenyl
Concen: 23.592 ng/ul
RT: 13.365 min Scan# 1749
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:154 Resp: 209941
Ion Ratio Lower Upper
154 100
153 39.8 31.8 47.6
76 14.1 11.7 17.5





#44

2-Chloronaphthalene

Concen: 23.435 ng/ul

RT: 13.412 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD

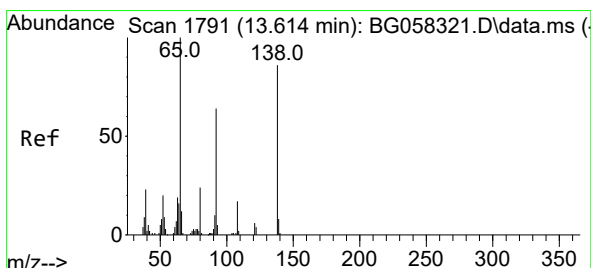
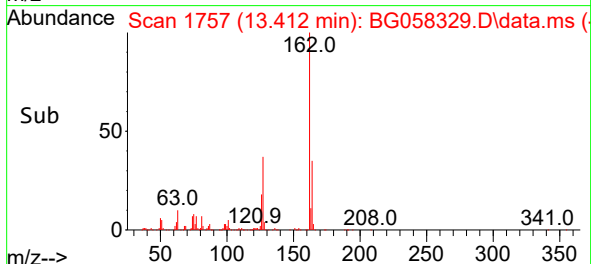
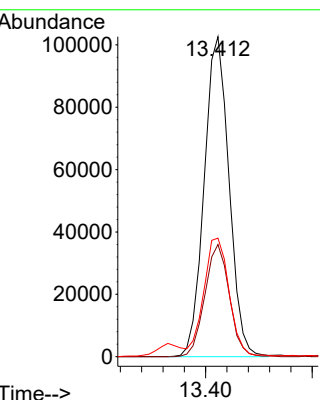
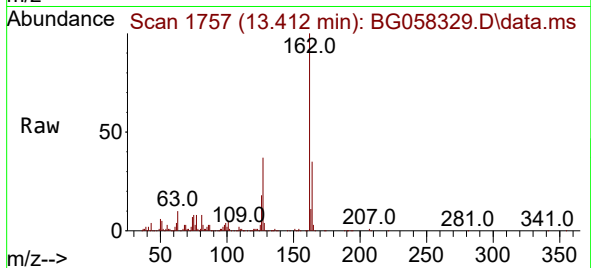
Tgt Ion:162 Resp: 165808

Ion Ratio Lower Upper

162 100

164 35.0 26.2 39.2

127 37.1 29.8 44.6



#45

2-Nitroaniline

Concen: 23.086 ng/ul

RT: 13.617 min Scan# 1792

Delta R.T. 0.002 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

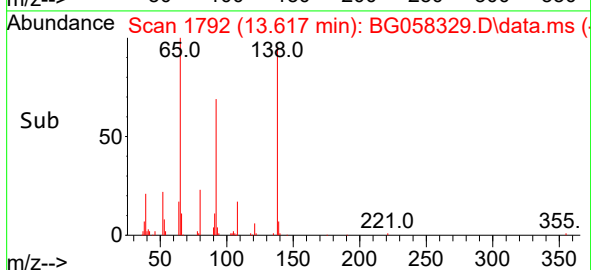
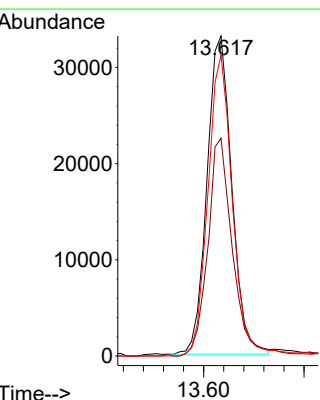
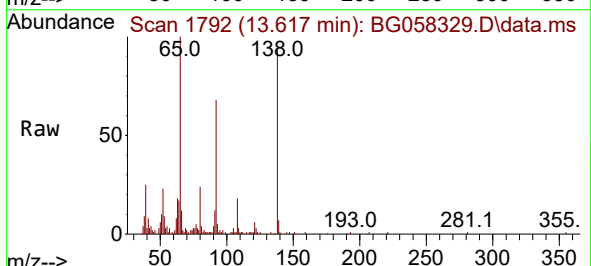
Tgt Ion: 65 Resp: 56737

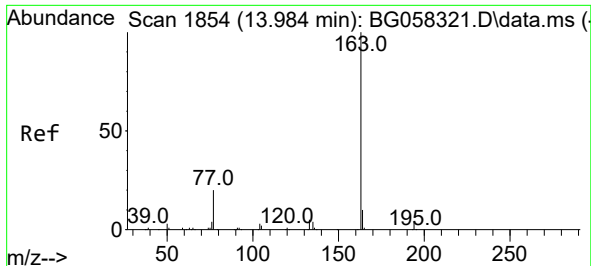
Ion Ratio Lower Upper

65 100

92 68.1 51.4 77.2

138 94.0 71.6 107.4

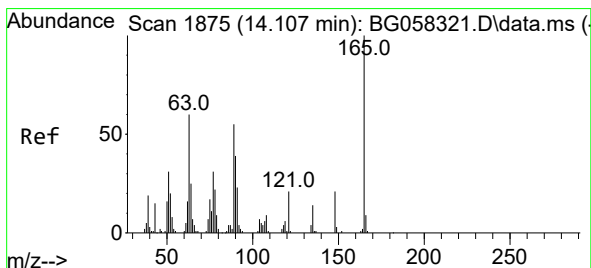
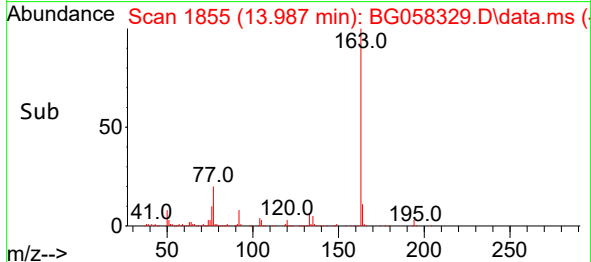
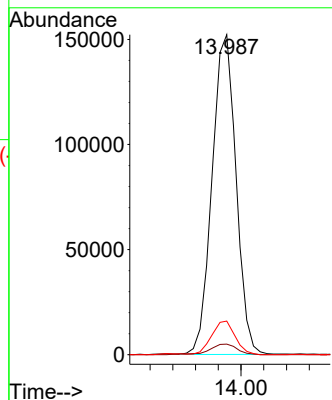
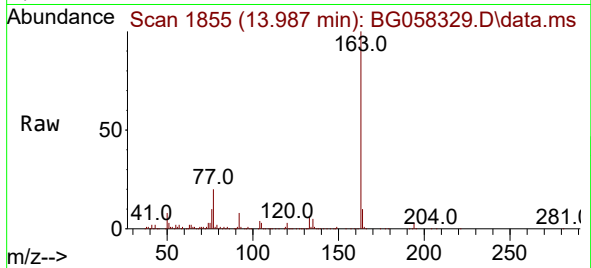




#47
Dimethylphthalate
Concen: 21.811 ng/ul
RT: 13.987 min Scan# 1855
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

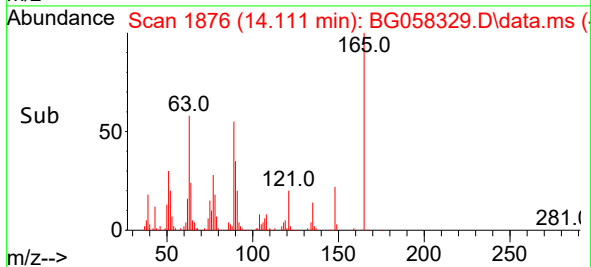
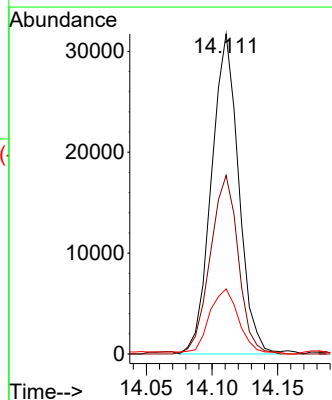
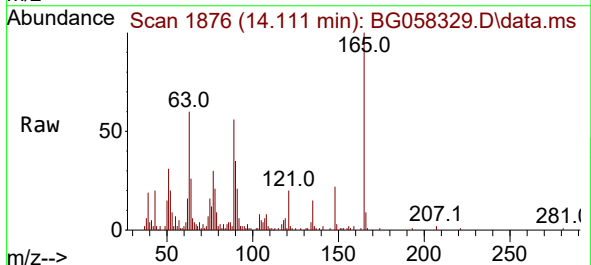
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

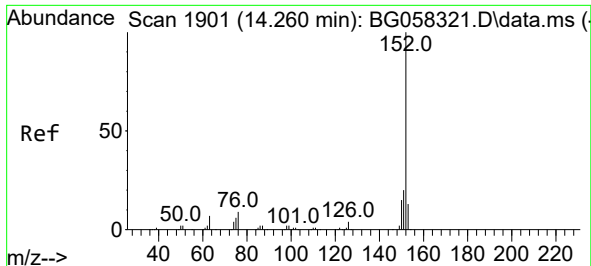
Tgt Ion:163 Resp: 222325
Ion Ratio Lower Upper
163 100
194 3.3 2.6 3.8
164 10.5 8.2 12.2



#48
2,6-Dinitrotoluene
Concen: 23.224 ng/ul
RT: 14.111 min Scan# 1876
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:165 Resp: 45746
Ion Ratio Lower Upper
165 100
89 55.8 48.9 73.3
121 20.3 16.2 24.4

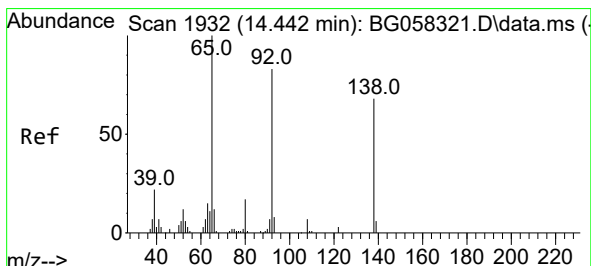
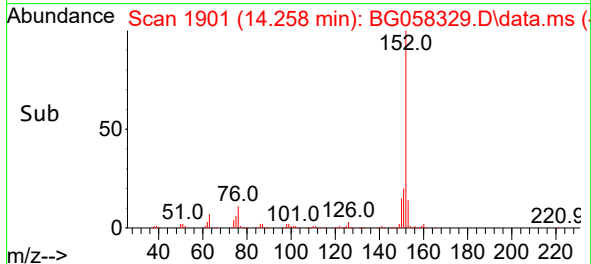
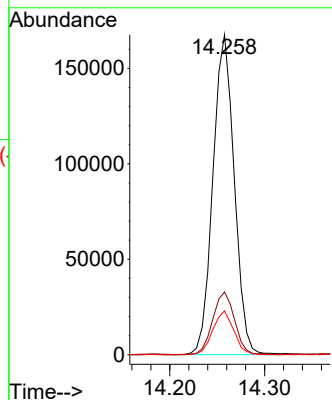
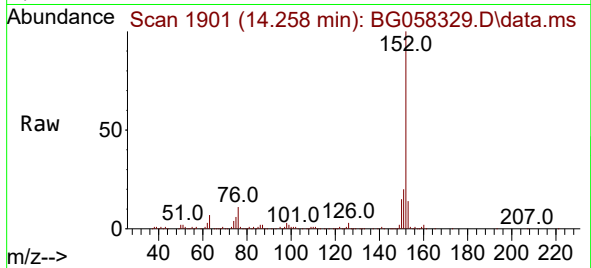




#50
Acenaphthylene
Concen: 22.852 ng/ul
RT: 14.258 min Scan# 1901
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

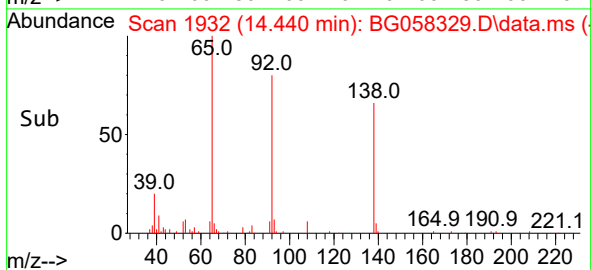
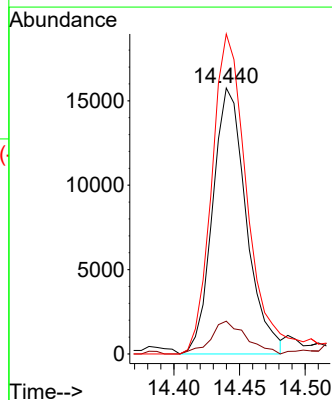
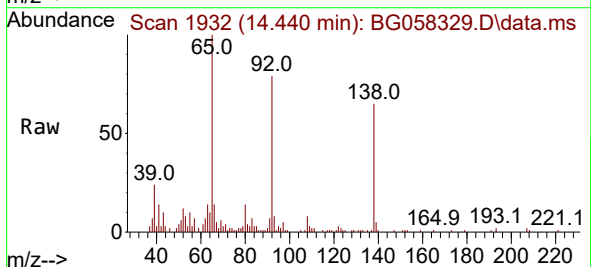
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

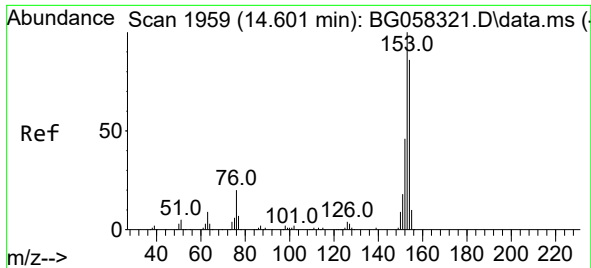
Tgt Ion:152 Resp: 262329
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 13.7 10.6 16.0



#51
3-Nitroaniline
Concen: 17.118 ng/ul
RT: 14.440 min Scan# 1932
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:138 Resp: 28099
Ion Ratio Lower Upper
138 100
108 12.3 8.6 13.0
92 120.4 108.4 162.6

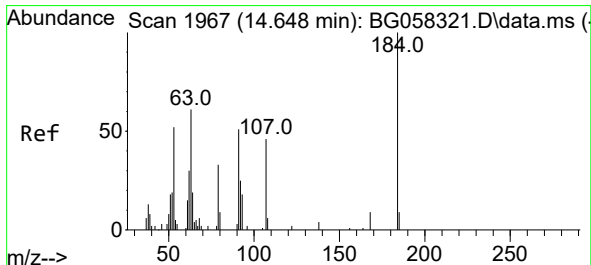
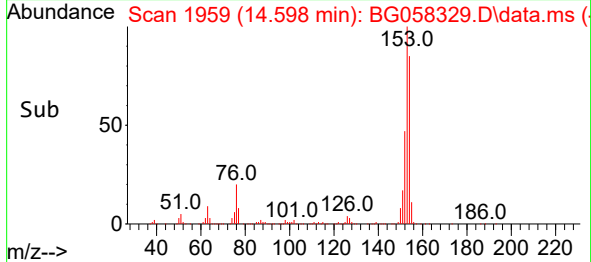
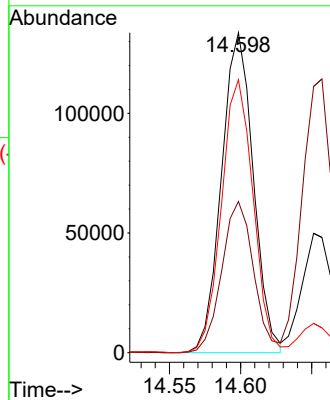
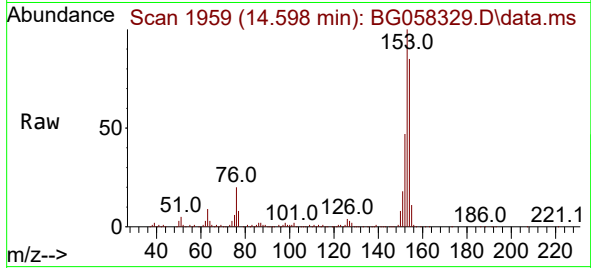




#52
Acenaphthene
Concen: 26.110 ng/ul
RT: 14.598 min Scan# 1959
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

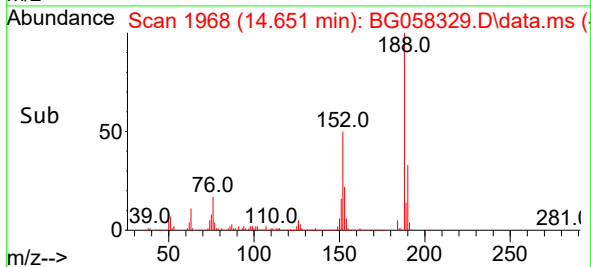
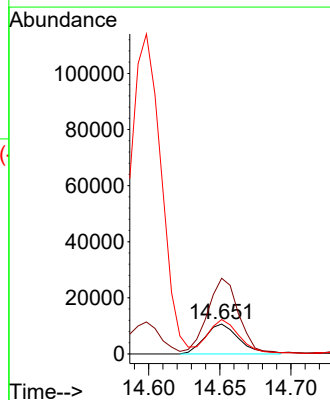
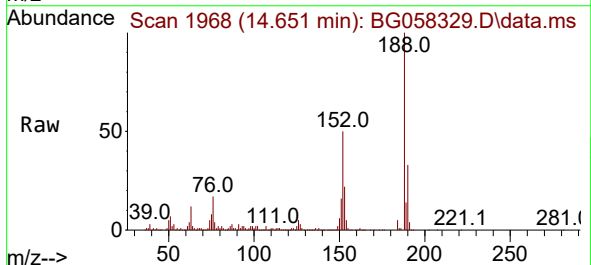
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

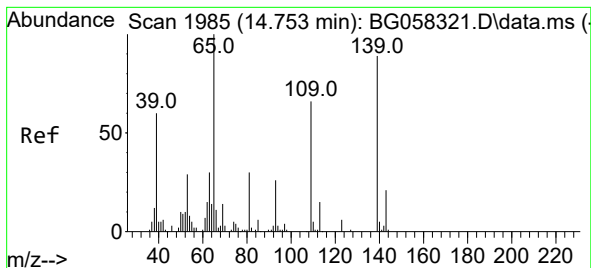
Tgt Ion:153 Resp: 208100
Ion Ratio Lower Upper
153 100
152 47.2 39.1 58.7
154 85.3 68.7 103.1



#53
2,4-Dinitrophenol
Concen: 17.020 ng/ul
RT: 14.651 min Scan# 1968
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:184 Resp: 17842
Ion Ratio Lower Upper
184 100
63 252.1 52.9 79.3#
154 114.7 47.8 71.8#

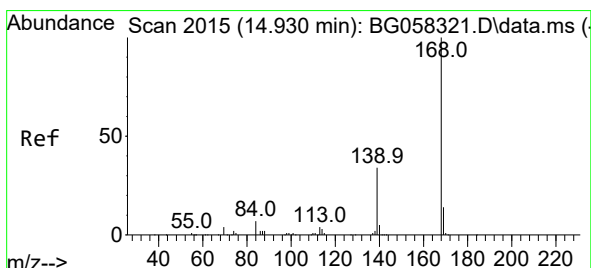
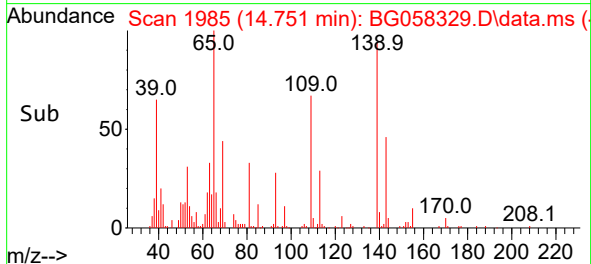
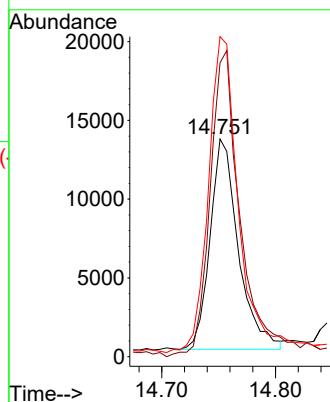
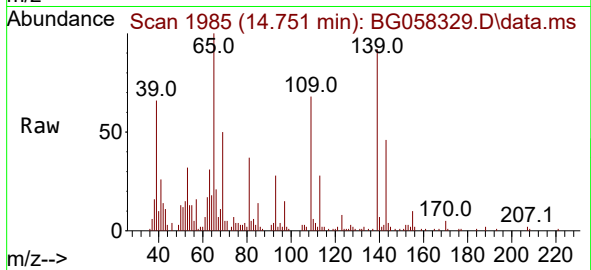




#55
4-Nitrophenol
Concen: 19.607 ng/ul
RT: 14.751 min Scan# 1985
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

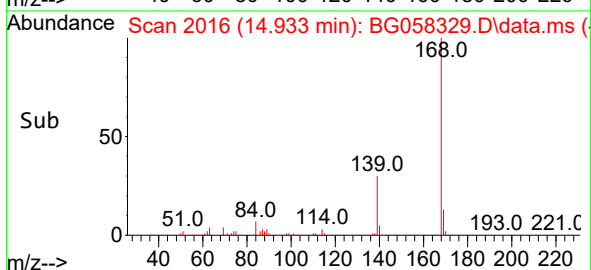
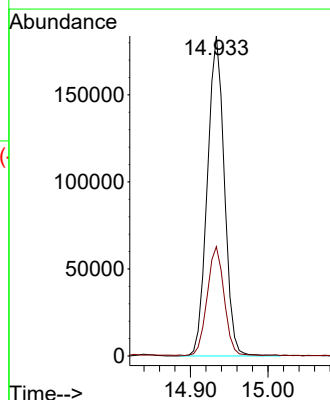
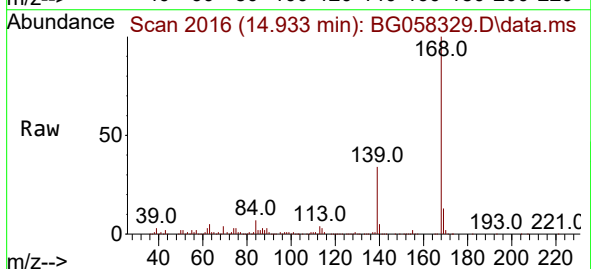
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

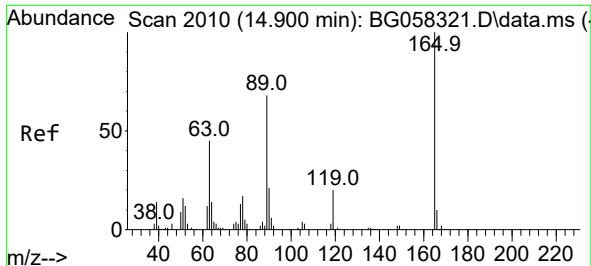
Tgt Ion:109 Resp: 23142
Ion Ratio Lower Upper
109 100
139 135.1 100.3 150.5
65 147.0 120.6 180.8



#56
Dibenzofuran
Concen: 24.672 ng/ul
RT: 14.933 min Scan# 2016
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:168 Resp: 280000
Ion Ratio Lower Upper
168 100
139 34.2 27.8 41.8





#57

2,4-Dinitrotoluene

Concen: 23.337 ng/ul

RT: 14.898 min Scan# 2010

Delta R.T. -0.004 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD

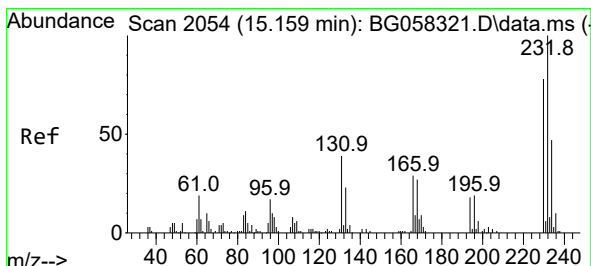
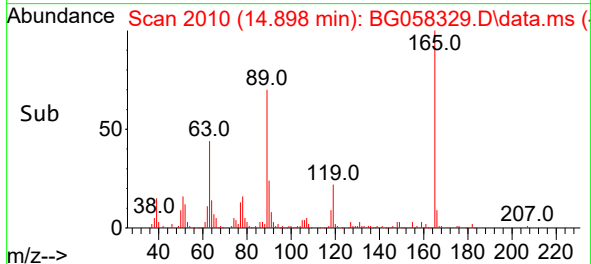
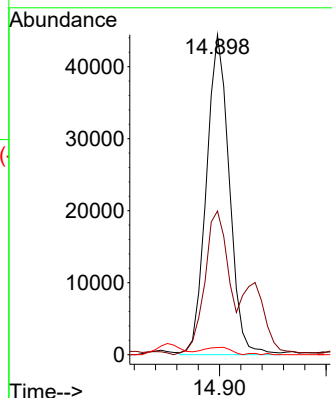
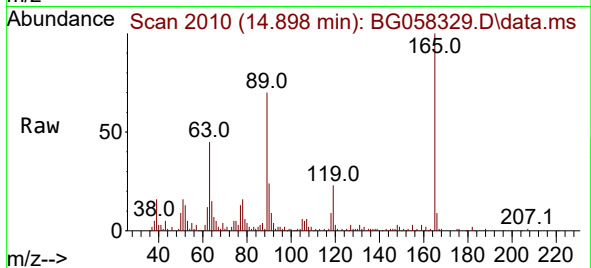
Tgt Ion:165 Resp: 66300

Ion Ratio Lower Upper

165 100

63 44.9 33.8 50.6

182 2.3 1.2 1.8#



#58

2,3,4,6-Tetrachlorophenol

Concen: 21.780 ng/ul

RT: 15.163 min Scan# 2055

Delta R.T. 0.002 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Tgt Ion:232 Resp: 55337

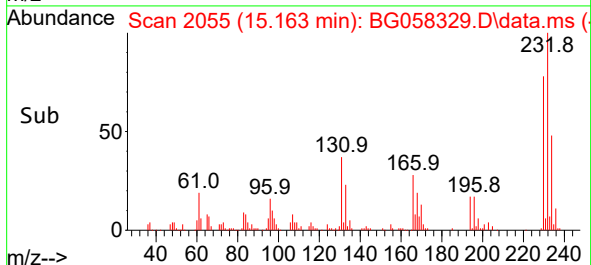
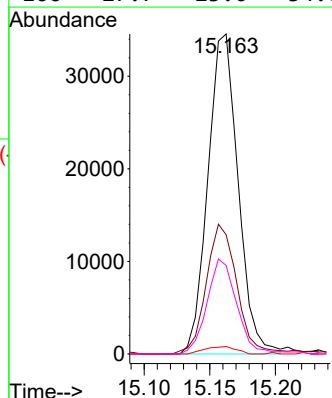
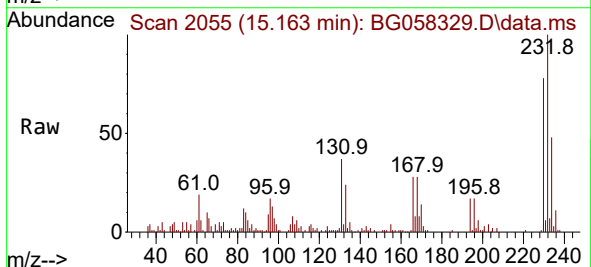
Ion Ratio Lower Upper

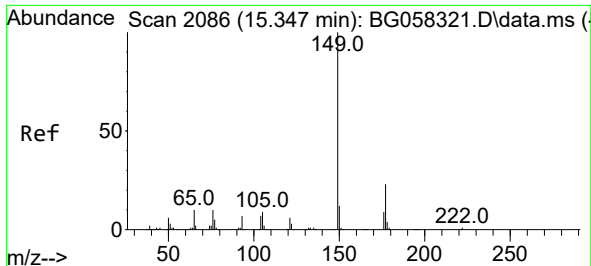
232 100

131 37.2 29.0 43.6

130 2.3 1.1 1.7#

166 27.7 23.0 34.6

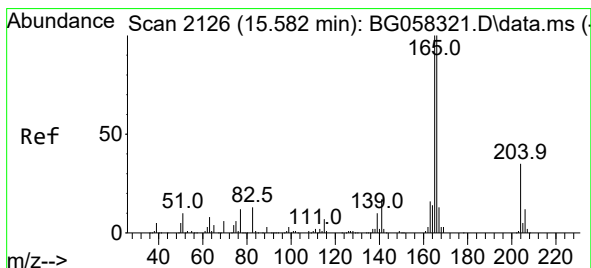
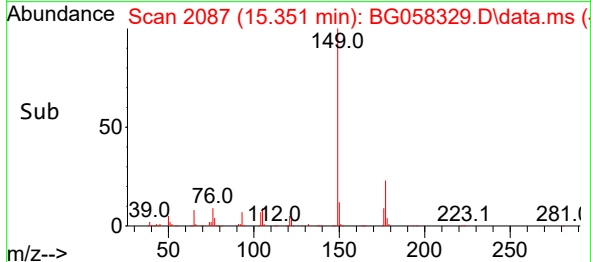
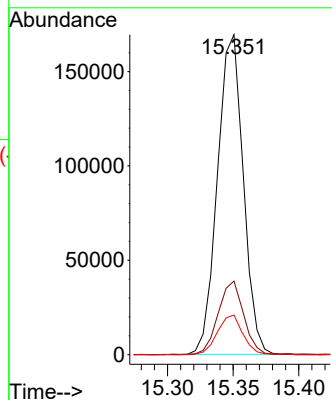
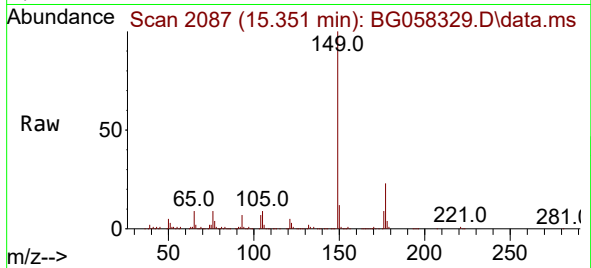




#59
Diethylphthalate
Concen: 22.052 ng/ul
RT: 15.351 min Scan# 2087
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

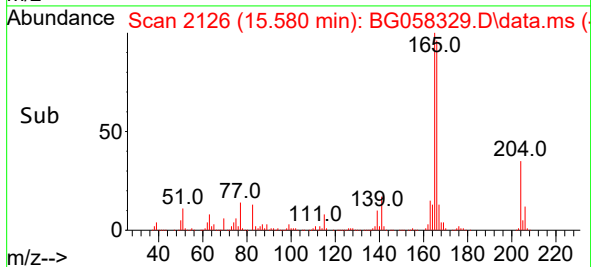
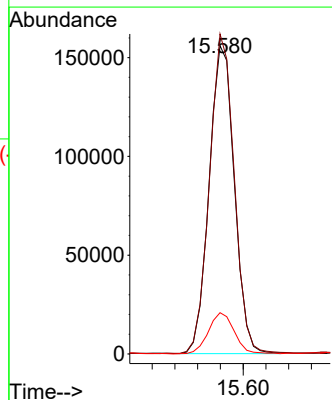
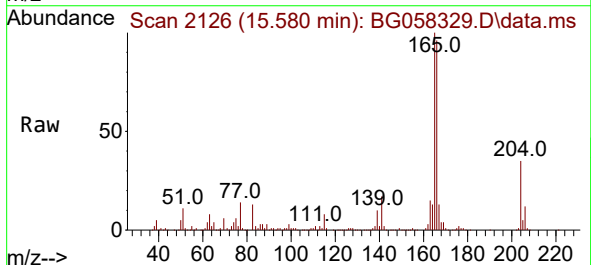
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

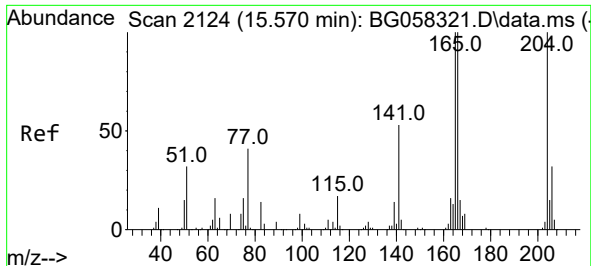
Tgt Ion:149 Resp: 231569
Ion Ratio Lower Upper
149 100
177 23.0 18.4 27.6
150 12.4 10.0 15.0



#61
Fluorene
Concen: 25.771 ng/ul
RT: 15.580 min Scan# 2126
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:166 Resp: 239843
Ion Ratio Lower Upper
166 100
165 103.8 80.2 120.2
167 13.4 10.5 15.7

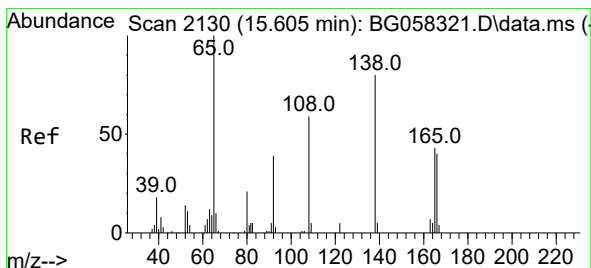
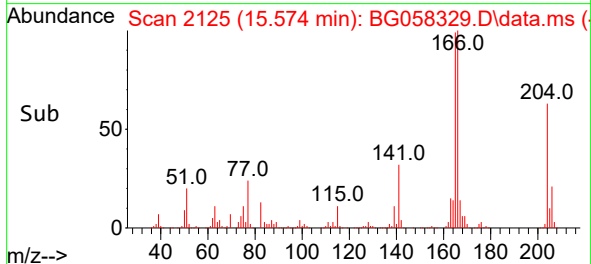
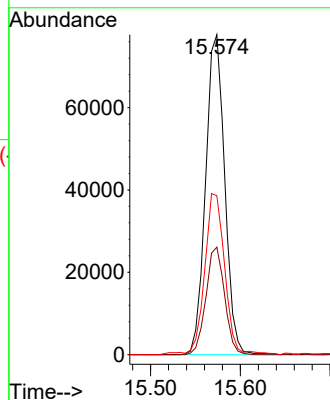
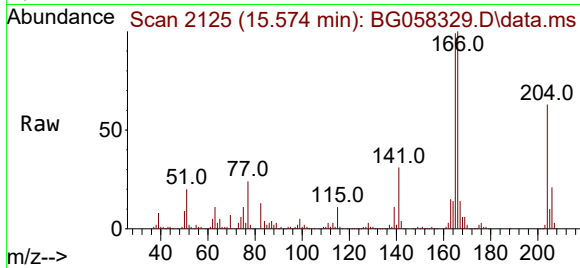




#62
4-Chlorophenyl-phenylether
Concen: 23.237 ng/ul
RT: 15.574 min Scan# 2124
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

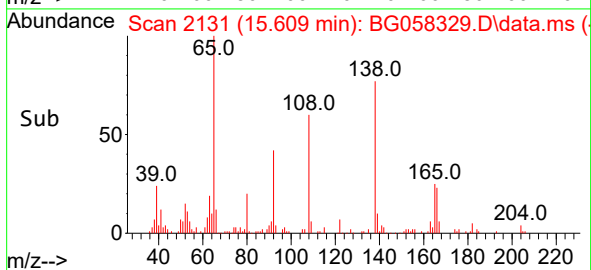
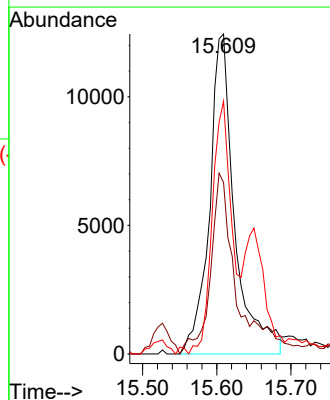
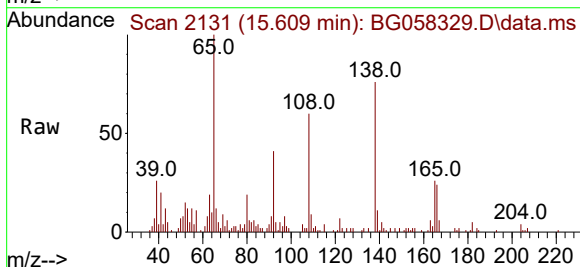
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

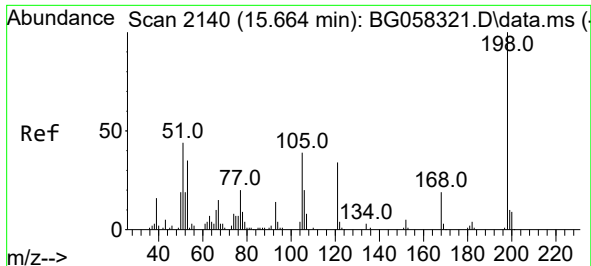
Tgt Ion:204 Resp: 114808
Ion Ratio Lower Upper
204 100
206 33.6 26.0 39.0
141 49.7 42.2 63.2



#63
4-Nitroaniline
Concen: 19.818 ng/ul
RT: 15.609 min Scan# 2131
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:138 Resp: 29436
Ion Ratio Lower Upper
138 100
92 53.5 45.0 67.4
108 79.0 60.8 91.2

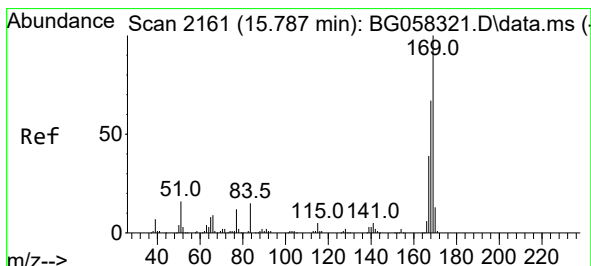
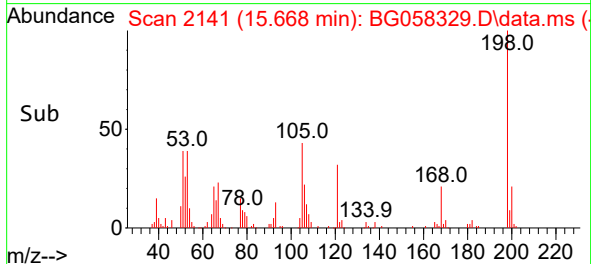
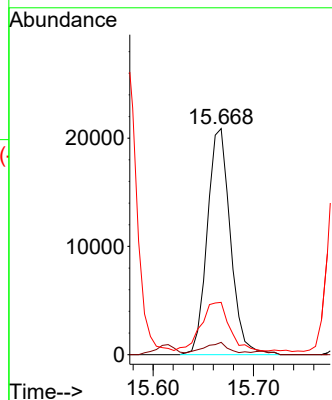
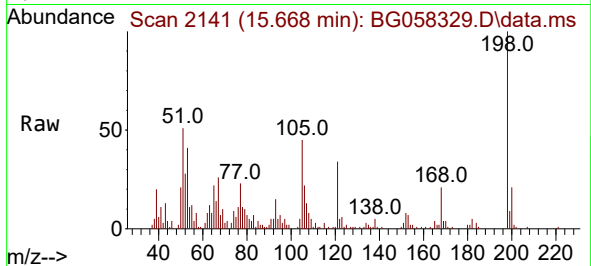




#66
4,6-Dinitro-2-methylphenol
Concen: 20.053 ng/ul
RT: 15.668 min Scan# 2140
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

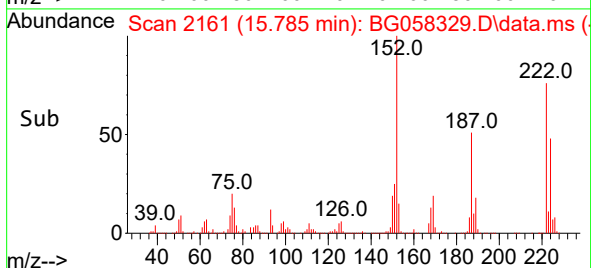
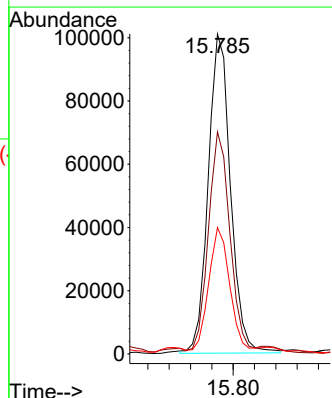
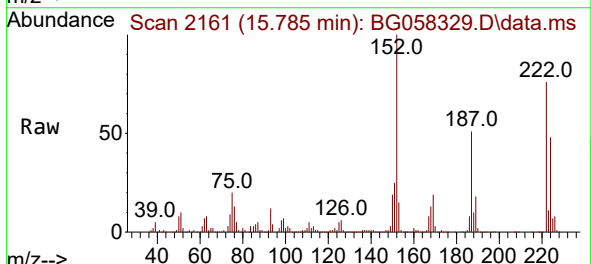
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

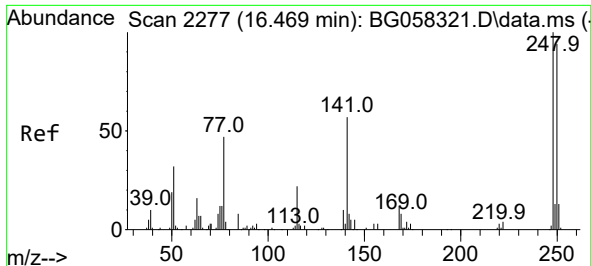
Tgt Ion:198 Resp: 33427
Ion Ratio Lower Upper
198 100
182 5.5 3.4 5.2#
77 23.2 18.4 27.6



#67
N-Nitrosodiphenylamine
Concen: 18.591 ng/ul
RT: 15.785 min Scan# 2161
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:169 Resp: 146549
Ion Ratio Lower Upper
169 100
168 69.4 55.7 83.5
167 39.5 31.2 46.8

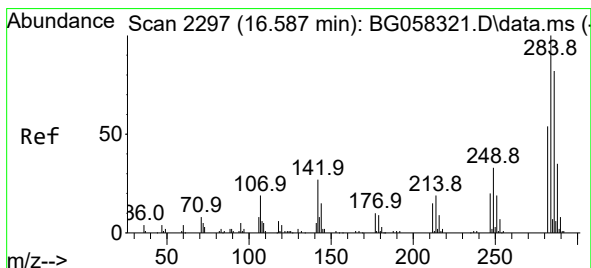
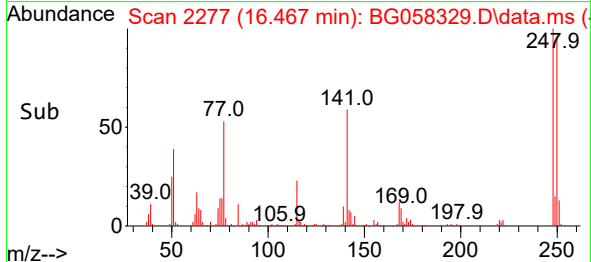
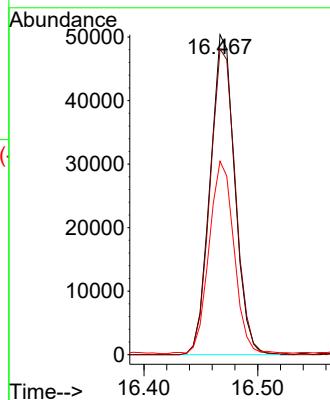
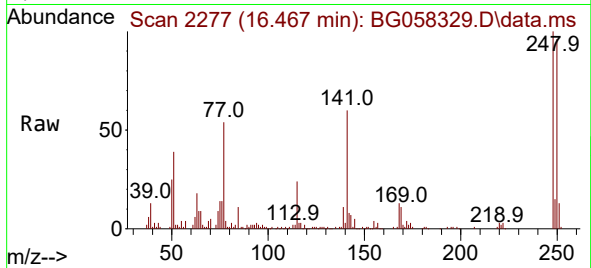




#68
4-Bromophenyl-phenylether
Concen: 22.470 ng/ul
RT: 16.467 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

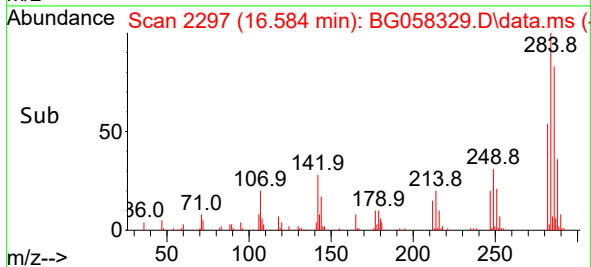
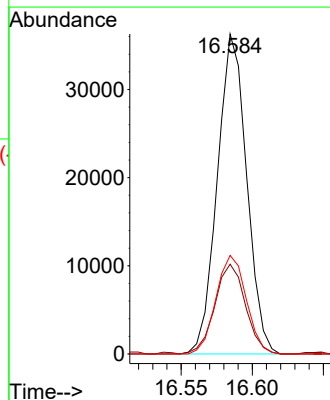
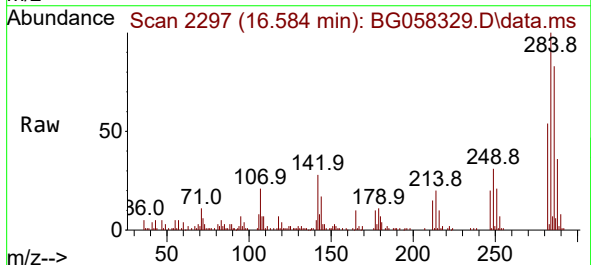
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

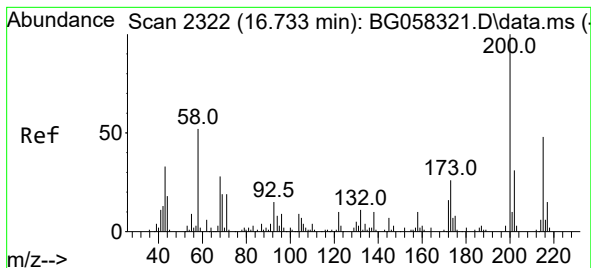
Tgt Ion:248 Resp: 75687
Ion Ratio Lower Upper
248 100
250 95.6 73.8 110.6
141 60.5 48.2 72.2



#69
Hexachlorobenzene
Concen: 13.697 ng/ul
RT: 16.584 min Scan# 2297
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:284 Resp: 52059
Ion Ratio Lower Upper
284 100
142 28.1 20.5 30.7
249 33.3 25.2 37.8





#70

Atrazine

Concen: 22.631 ng/ul

RT: 16.737 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD

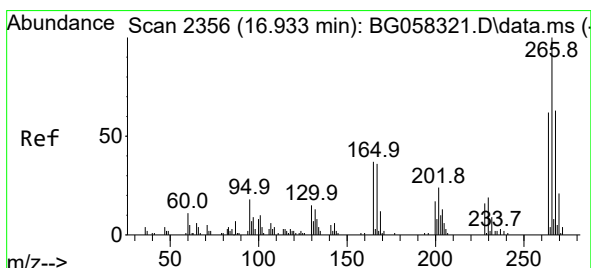
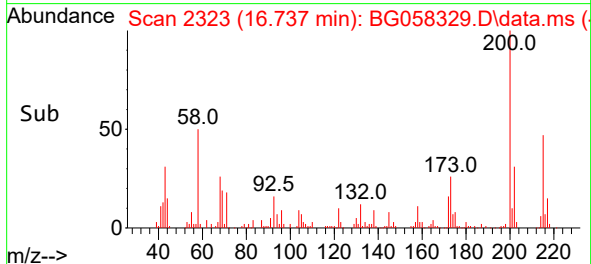
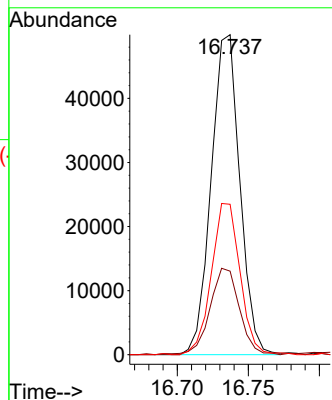
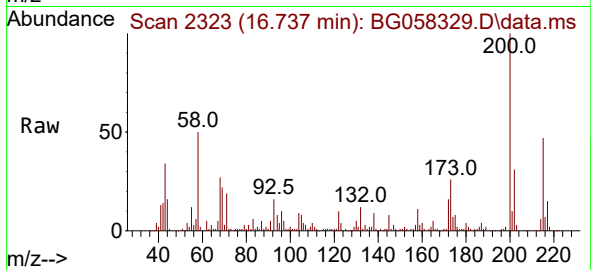
Tgt Ion:200 Resp: 69943

Ion Ratio Lower Upper

200 100

173 26.1 19.8 29.8

215 47.0 36.2 54.4



#71

Pentachlorophenol

Concen: 15.916 ng/ul

RT: 16.931 min Scan# 2356

Delta R.T. 0.002 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

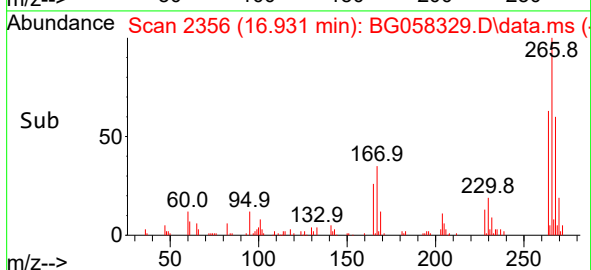
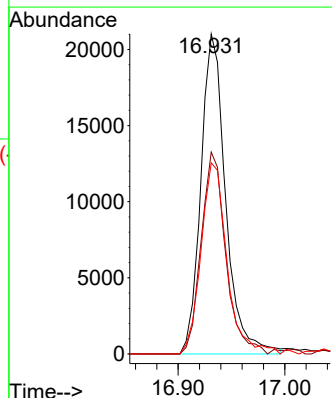
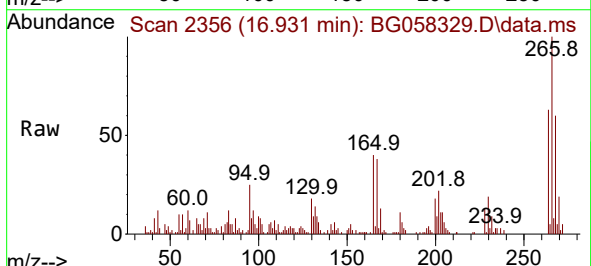
Tgt Ion:266 Resp: 33956

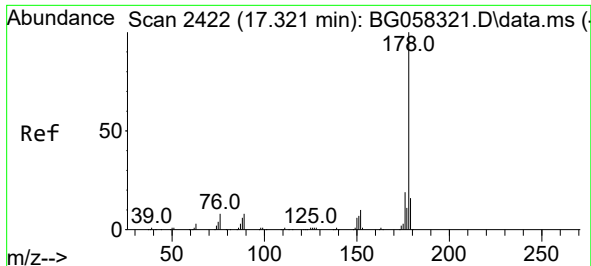
Ion Ratio Lower Upper

266 100

264 68.0 46.6 70.0

268 59.8 47.6 71.4

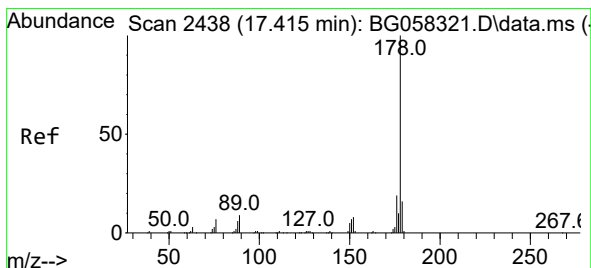
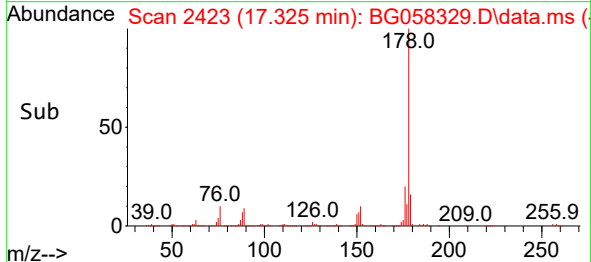
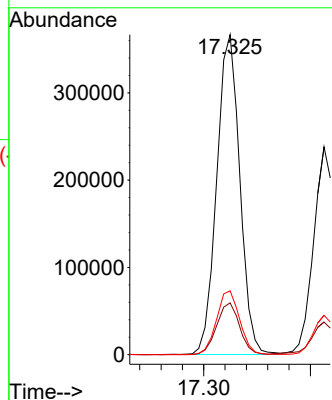
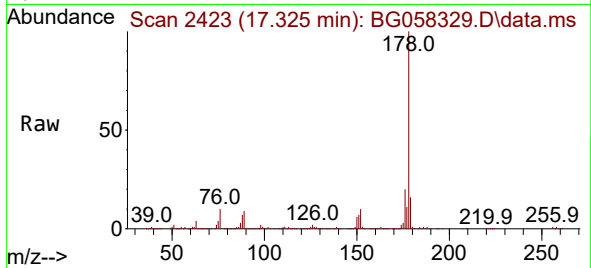




#72
Phenanthrene
Concen: 36.441 ng/ul
RT: 17.325 min Scan# 2422
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

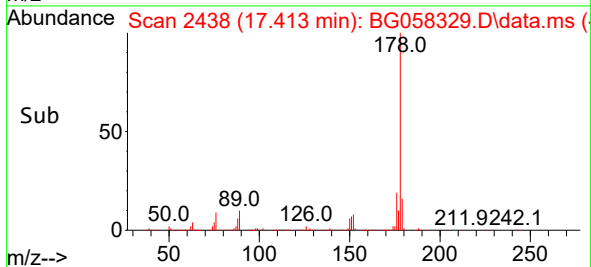
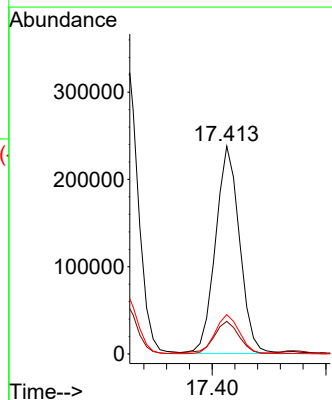
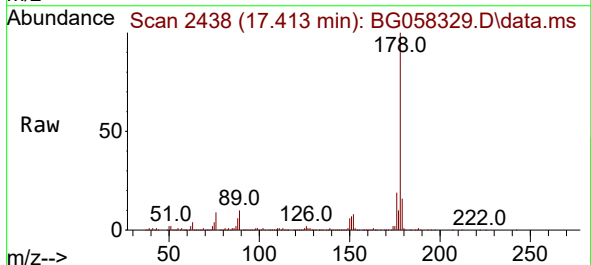
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

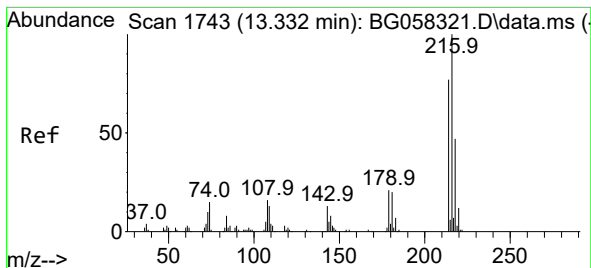
Tgt Ion:178 Resp: 550725
Ion Ratio Lower Upper
178 100
179 16.2 11.9 17.9
176 20.0 15.8 23.8



#74
Anthracene
Concen: 23.073 ng/ul
RT: 17.413 min Scan# 2438
Delta R.T. -0.004 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:178 Resp: 350057
Ion Ratio Lower Upper
178 100
179 15.7 13.4 20.2
176 19.0 16.2 24.2





#75

1,2,3,4-Tetrachlorobenzene

Concen: 19.608 ng/uL

RT: 13.335 min Scan# 11

Delta R.T. 0.002 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD

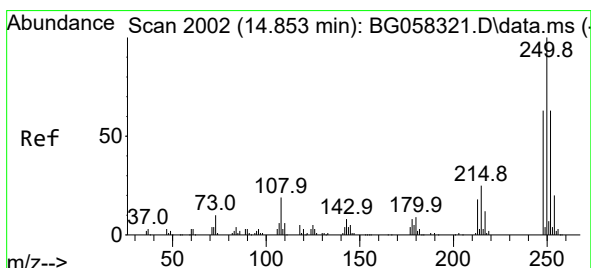
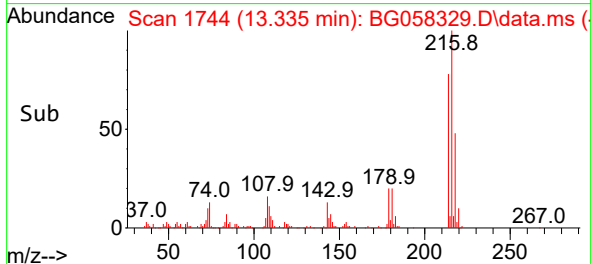
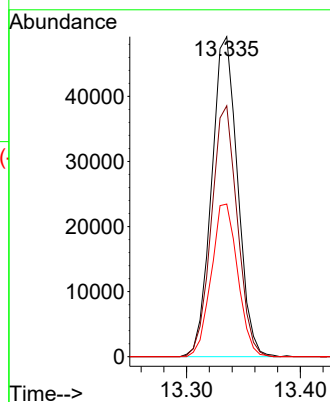
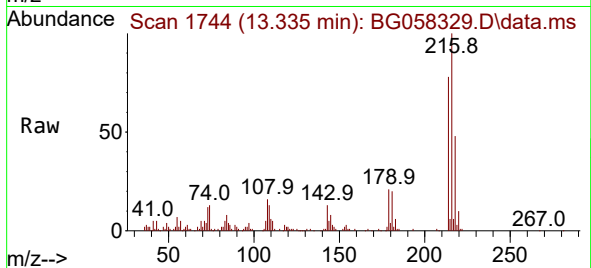
Tgt Ion:216 Resp: 78216

Ion Ratio Lower Upper

216 100

214 78.4 62.2 93.4

218 47.7 40.9 61.3



#76

Pentachlorobenzene

Concen: 17.788 ng/uL

RT: 14.851 min Scan# 2002

Delta R.T. -0.004 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

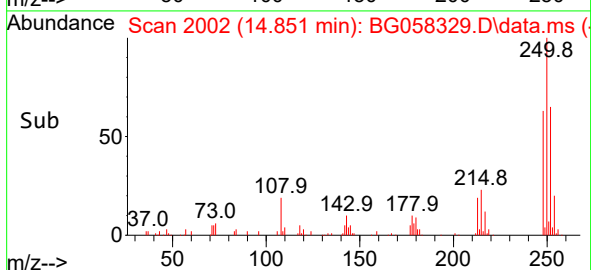
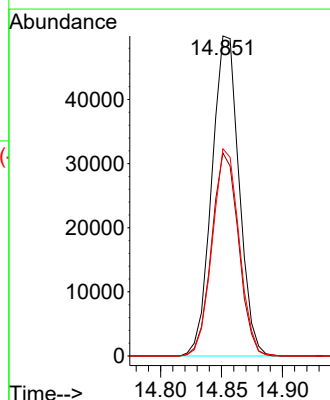
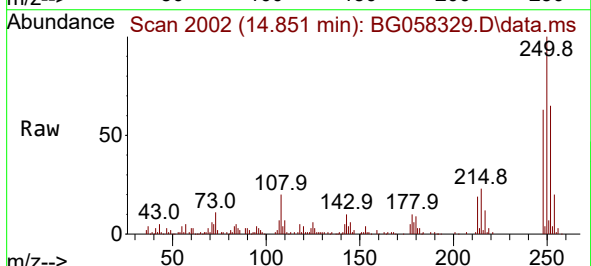
Tgt Ion:250 Resp: 77590

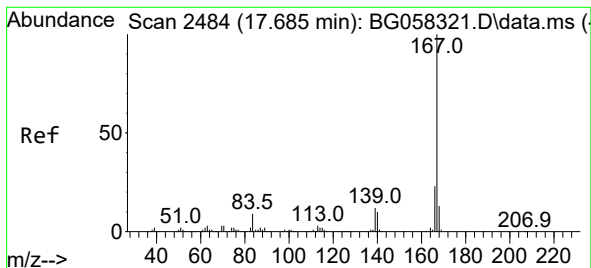
Ion Ratio Lower Upper

250 100

248 63.4 51.6 77.4

252 64.7 54.4 81.6





#77

Carbazole

Concen: 18.439 ng/ul

RT: 17.683 min Scan# 2484

Delta R.T. 0.002 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD

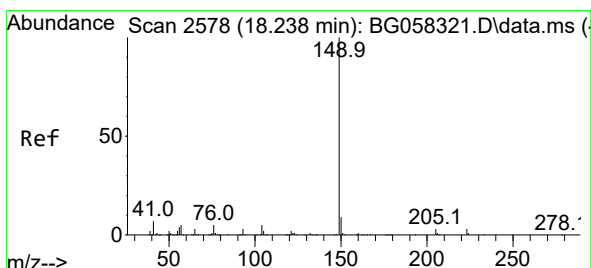
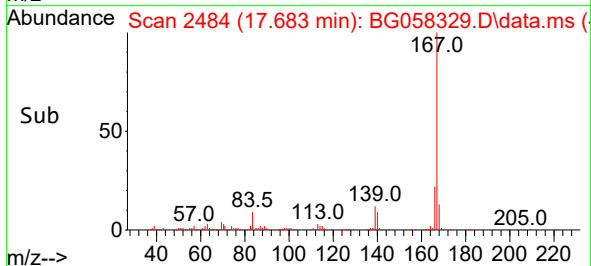
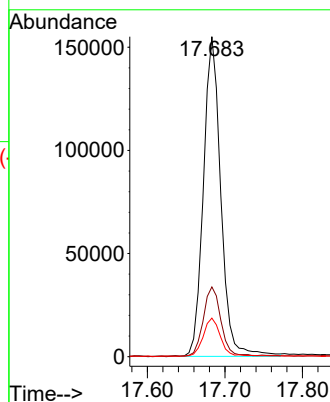
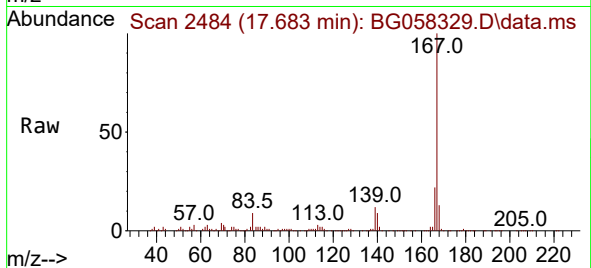
Tgt Ion:167 Resp: 242497

Ion Ratio Lower Upper

167 100

166 21.8 17.8 26.8

139 12.0 9.4 14.0



#78

Di-n-butylphthalate

Concen: 109.496 ng/ul

RT: 18.241 min Scan# 2579

Delta R.T. 0.002 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

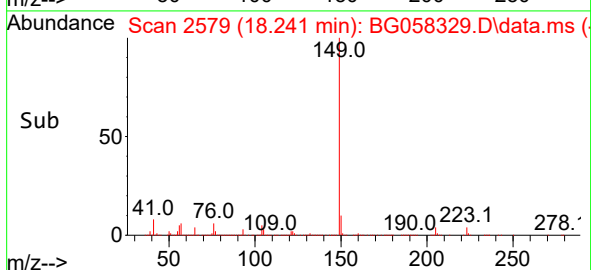
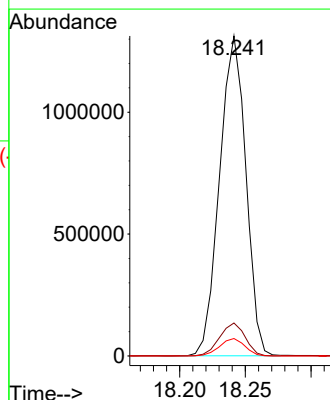
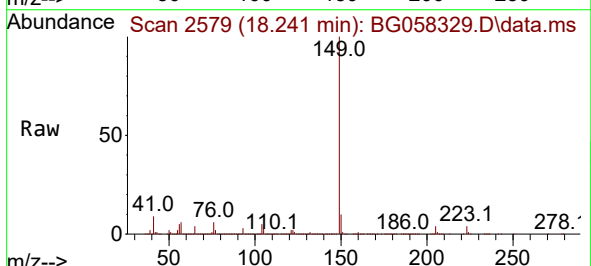
Tgt Ion:149 Resp: 1829842

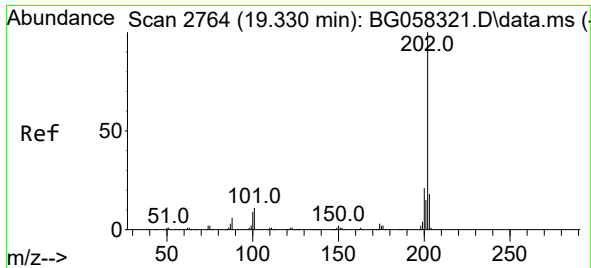
Ion Ratio Lower Upper

149 100

150 10.3 7.2 10.8

104 5.5 3.9 5.9

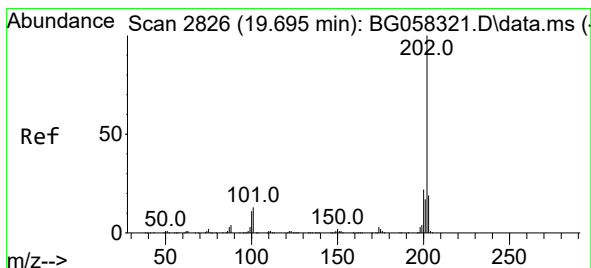
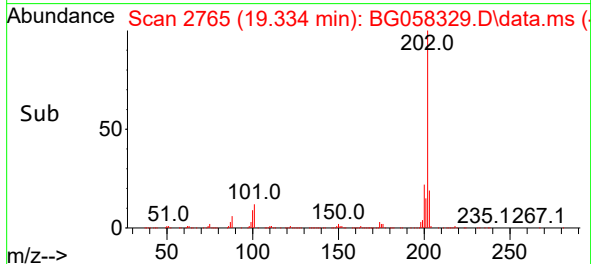
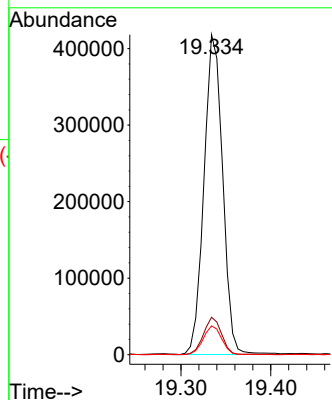
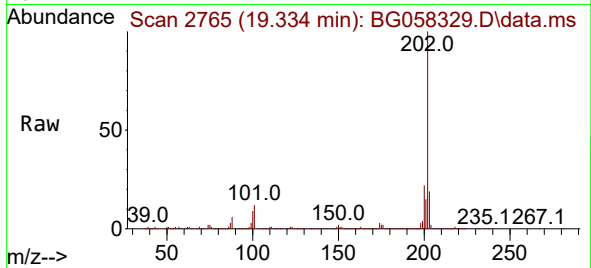




#80
Fluoranthene
Concen: 37.262 ng/u1
RT: 19.334 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

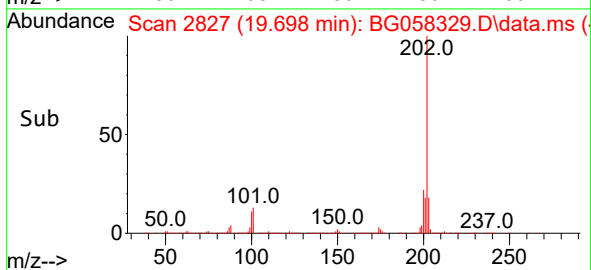
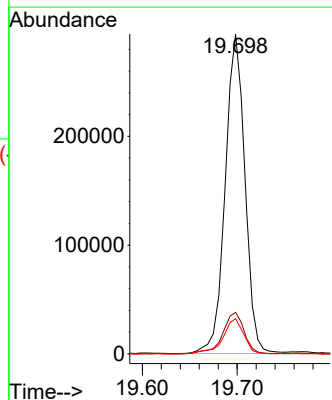
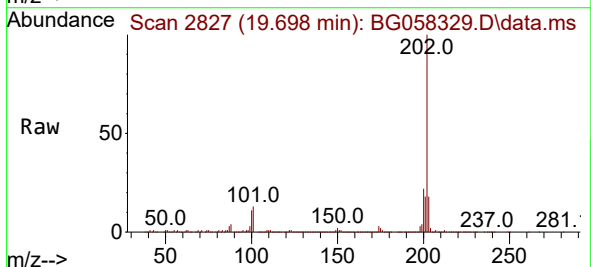
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

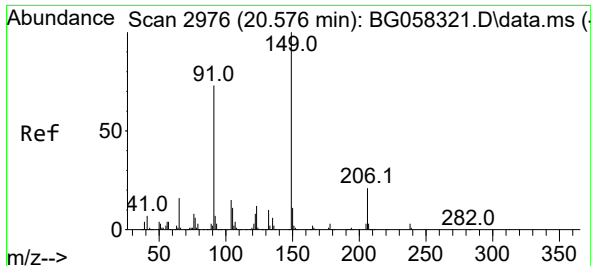
Tgt Ion:202 Resp: 604463
Ion Ratio Lower Upper
202 100
101 11.7 8.6 12.8
100 9.0 7.2 10.8



#82
Pyrene
Concen: 25.855 ng/u1
RT: 19.698 min Scan# 2827
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:202 Resp: 424968
Ion Ratio Lower Upper
202 100
101 13.0 10.2 15.2
100 11.0 8.9 13.3

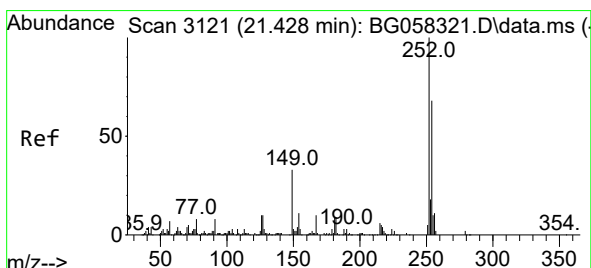
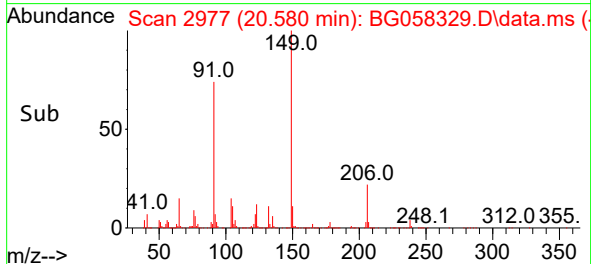
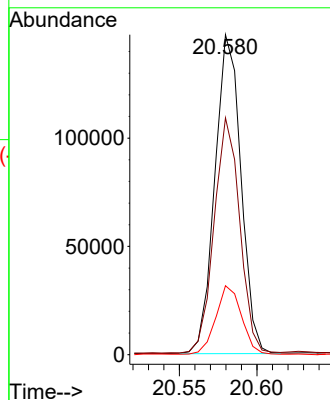
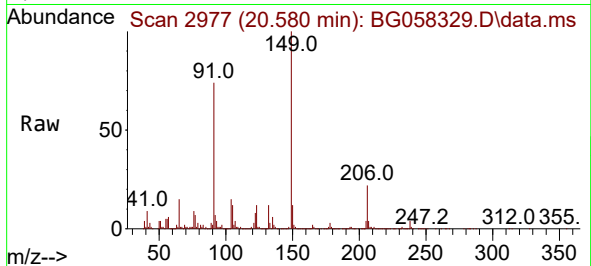




#83
Butylbenzylphthalate
Concen: 26.622 ng/ul
RT: 20.580 min Scan# 2977
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

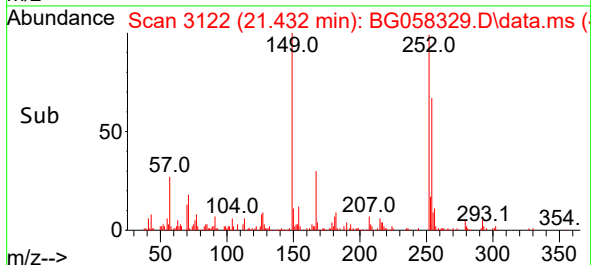
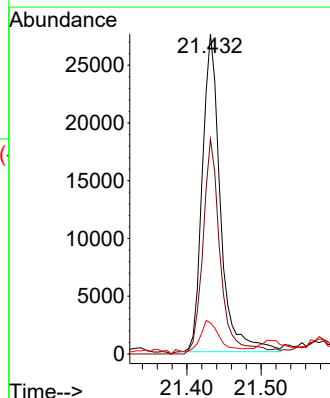
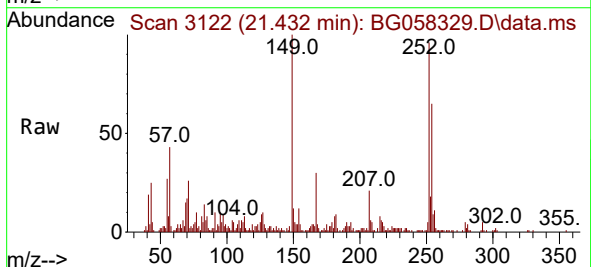
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

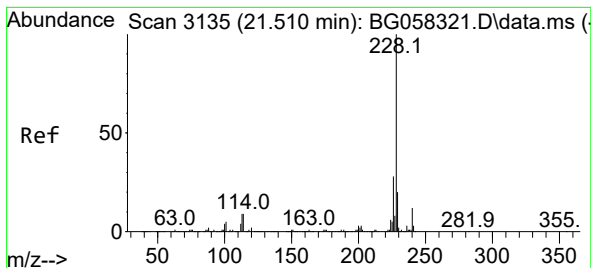
Tgt Ion:149 Resp: 172304
Ion Ratio Lower Upper
149 100
91 74.0 59.9 89.9
206 21.5 16.9 25.3



#84
3,3'-Dichlorobenzidine
Concen: 8.722 ng/ul
RT: 21.432 min Scan# 3122
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:252 Resp: 46678
Ion Ratio Lower Upper
252 100
254 67.2 50.5 75.7
126 9.7 6.5 9.7#





#85

Benzo(a)anthracene

Concen: 29.097 ng/ul

RT: 21.514 min Scan# 3135

Delta R.T. 0.002 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD

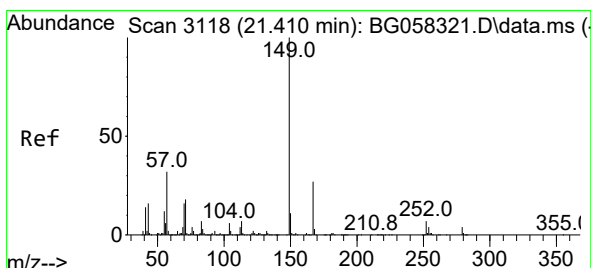
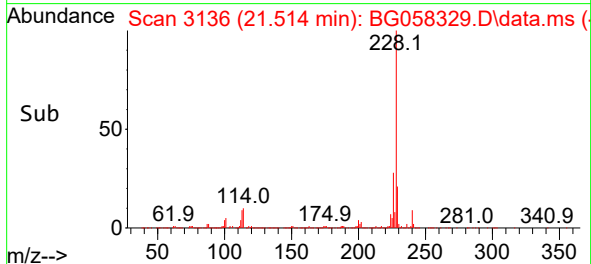
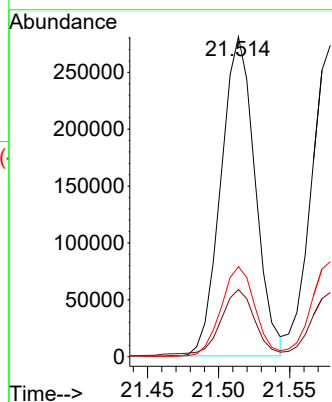
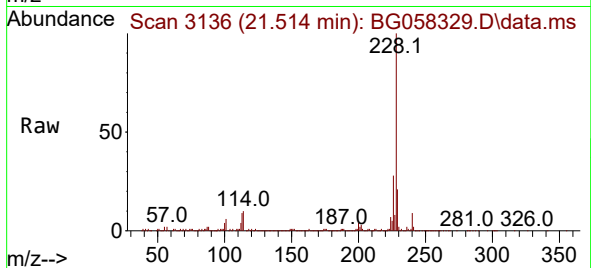
Tgt Ion:228 Resp: 468886

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

226 28.1 21.8 32.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 31.081 ng/ul

RT: 21.414 min Scan# 3119

Delta R.T. 0.002 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

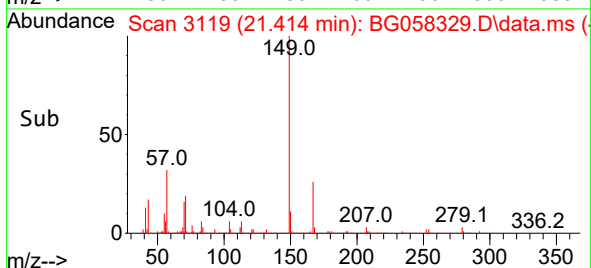
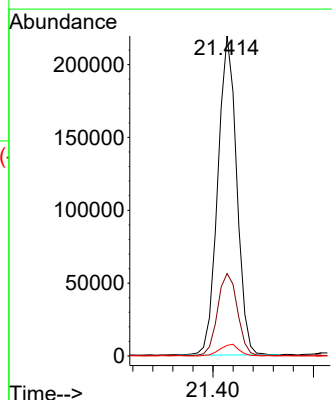
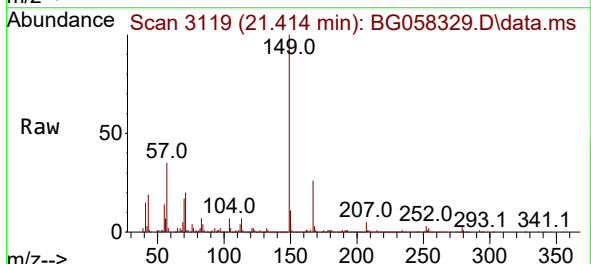
Tgt Ion:149 Resp: 286128

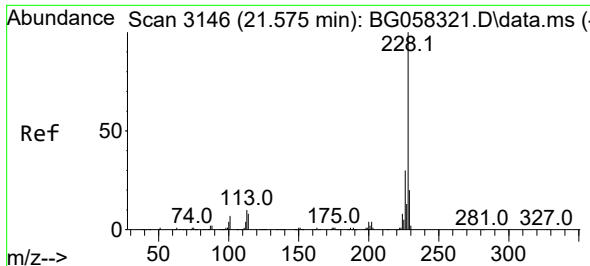
Ion Ratio Lower Upper

149 100

167 25.8 21.6 32.4

279 3.3 3.0 4.4

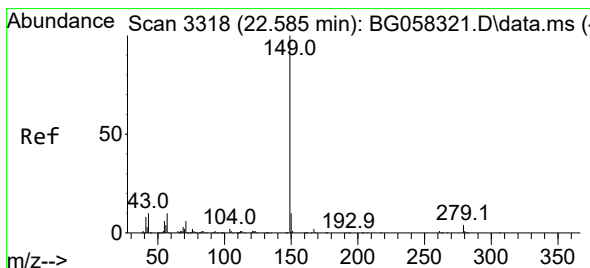
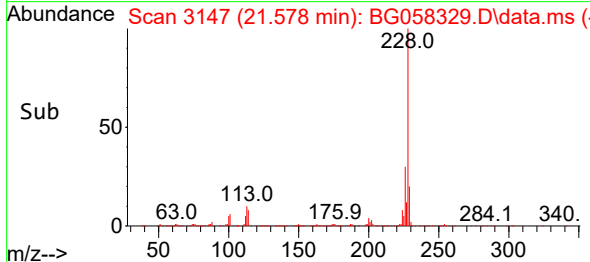
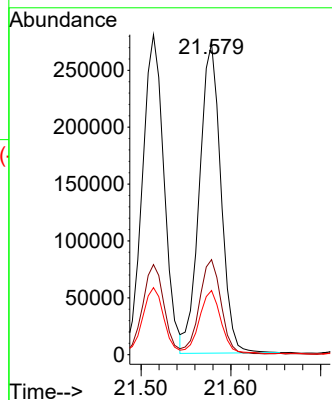
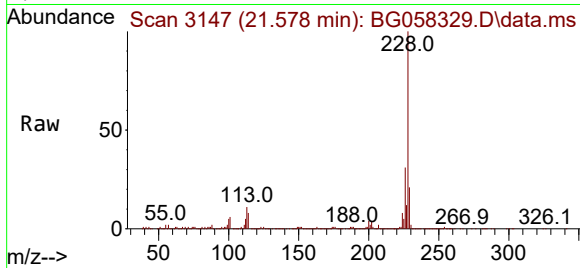




#87
Chrysene
Concen: 29.556 ng/ul
RT: 21.578 min Scan# 3146
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

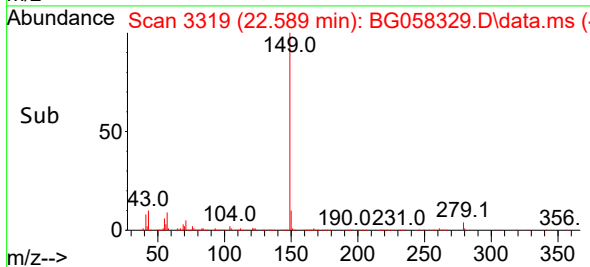
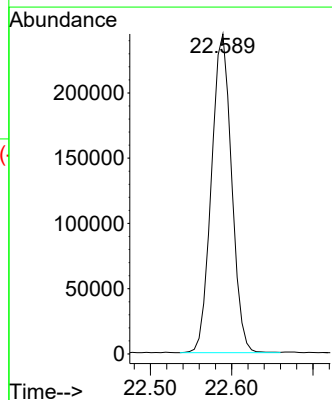
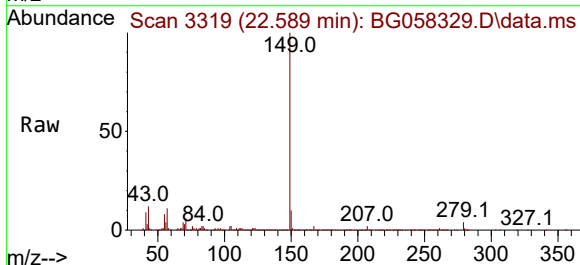
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

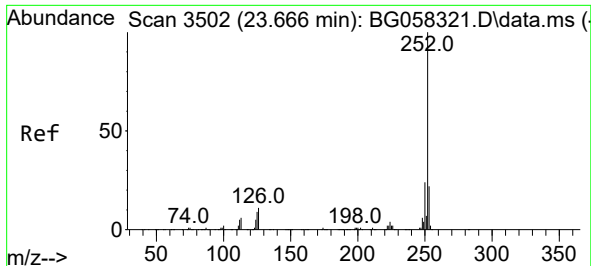
Tgt Ion:228 Resp: 451769
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 20.6 15.8 23.8



#89
Di-n-octyl phthalate
Concen: 26.903 ng/ul
RT: 22.589 min Scan# 3319
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:149 Resp: 420865

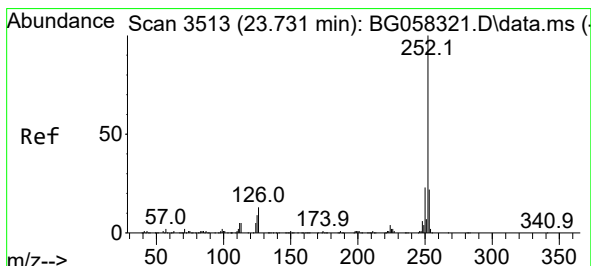
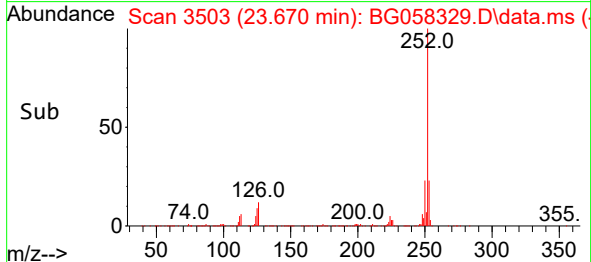
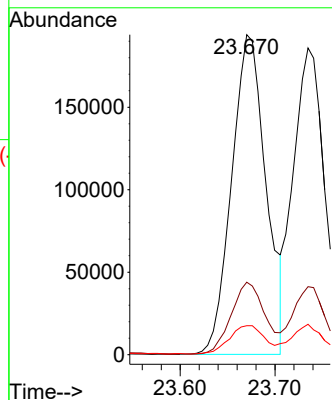
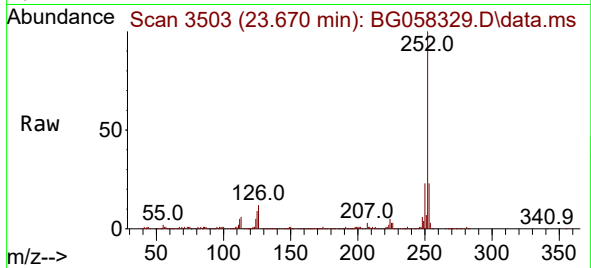




#90
Benzo(b)fluoranthene
Concen: 28.686 ng/ul
RT: 23.670 min Scan# 3502
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

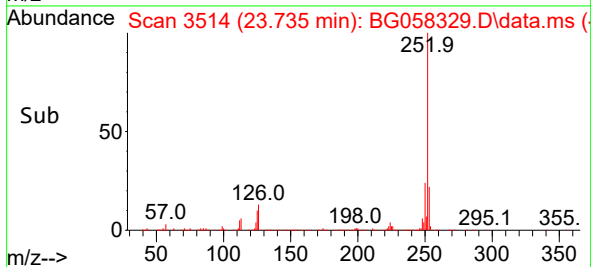
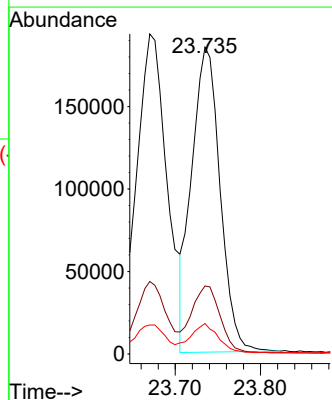
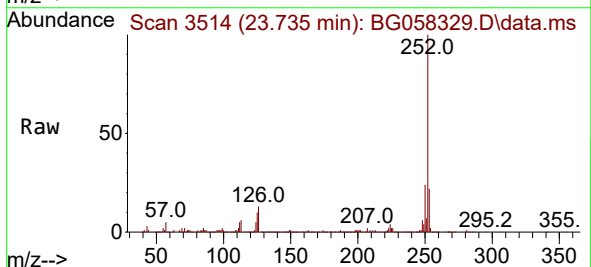
Instrument :
BNA_G
ClientSampleId :
A46X7MSD

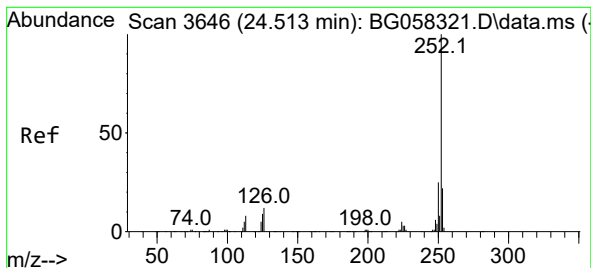
Tgt Ion:252 Resp: 487986
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 9.0 6.7 10.1



#91
Benzo(k)fluoranthene
Concen: 25.172 ng/ul
RT: 23.735 min Scan# 3514
Delta R.T. 0.002 min
Lab File: BG058329.D
Acq: 19 Jul 2023 15:08

Tgt Ion:252 Resp: 427077
Ion Ratio Lower Upper
252 100
253 22.2 18.3 27.5
125 9.9 7.4 11.0





#93

Benzo(a)pyrene

Concen: 11.309 ng/ul

RT: 24.516 min Scan# 3

Delta R.T. -0.004 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD

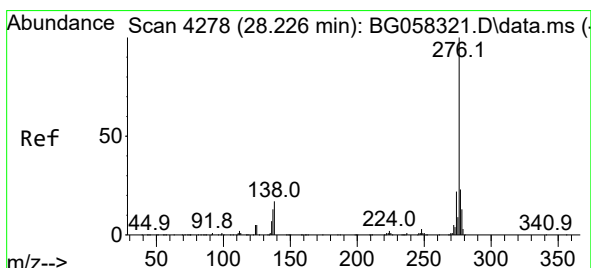
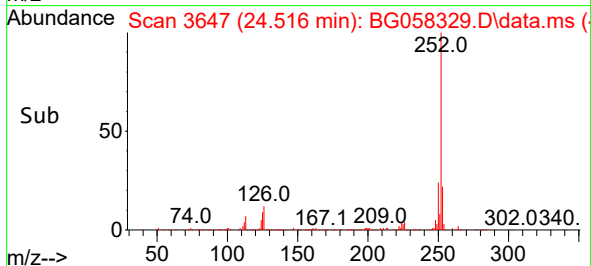
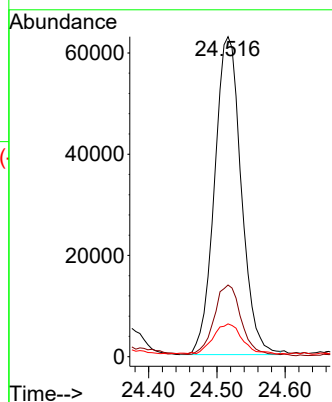
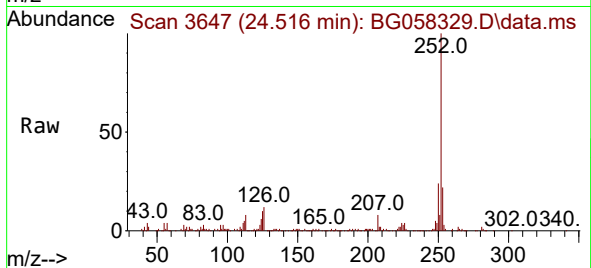
Tgt Ion:252 Resp: 171114

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 10.3 7.7 11.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 16.492 ng/ul

RT: 28.224 min Scan# 4278

Delta R.T. -0.004 min

Lab File: BG058329.D

Acq: 19 Jul 2023 15:08

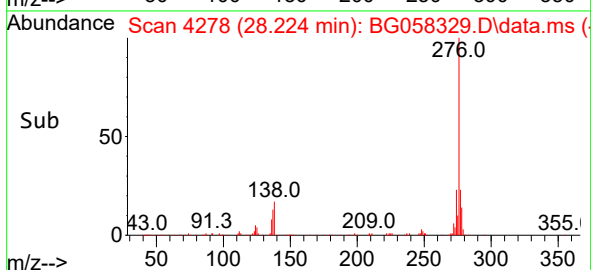
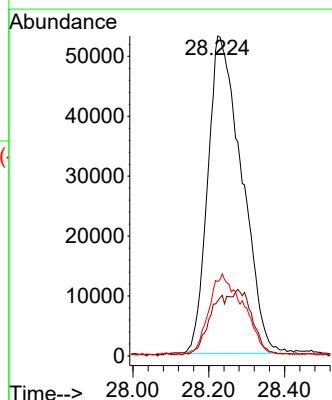
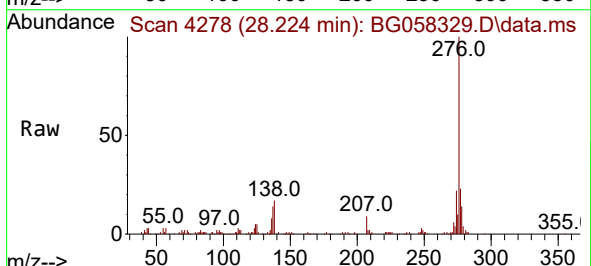
Tgt Ion:276 Resp: 328775

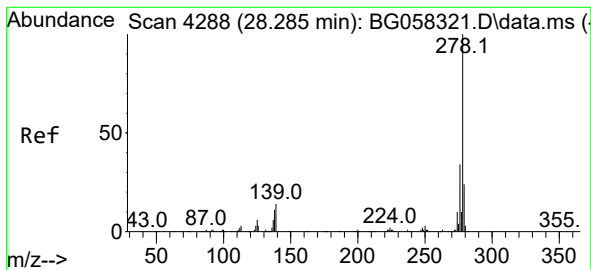
Ion Ratio Lower Upper

276 100

138 17.2 13.8 20.6

277 23.3 19.2 28.8





#95

Dibenzo(a,h)anthracene

Concen: 24.805 ng/ul

RT: 28.288 min Scan# 41

Delta R.T. -0.004 min

Lab File: BG058329.D

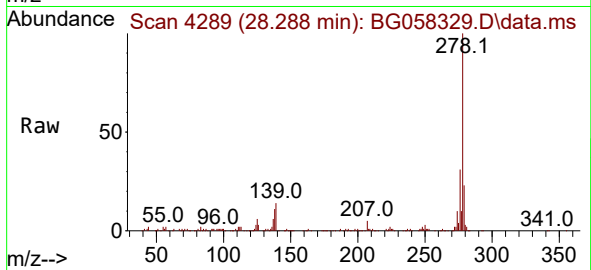
Acq: 19 Jul 2023 15:08

Instrument :

BNA_G

ClientSampleId :

A46X7MSD



Tgt Ion:278 Resp: 405487

Ion Ratio Lower Upper

278 100

139 13.8 10.4 15.6

279 23.5 18.4 27.6

