

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100323\
 Data File : BG059269.D
 Acq On : 3 Oct 2023 17:54
 Operator : MA/JU
 Sample : 04480-19MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBJN2MSD

Quant Time: Oct 03 23:34:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	47184	20.000	ng/ul	0.00
20) Naphthalene-d8	11.073	136	228032	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.862	164	139223	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.612	188	308251	20.000	ng/ul	0.00
79) Chrysene-d12	21.919	240	286952	20.000	ng/ul	0.00
88) Perylene-d12	25.397	264	318396	20.000	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.529	96	5525	4.419	ng/uL	0.00
4) Pyridine-d5	3.969	84	38737	10.619	ng/ul	0.00
7) Phenol-d5	7.359	99	31390	6.646	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.553	67	100199	33.210	ng/ul	0.00
11) 2-Chlorophenol-d4	7.747	132	88736	27.949	ng/ul	0.00
15) 4-Methylphenol-d8	8.928	113	59196	16.214	ng/ul	0.00
21) Nitrobenzene-d5	9.428	128	63059	39.188	ng/ul	0.00
24) 2-Nitrophenol-d4	10.150	143	64735	40.980	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.673	165	116889	36.020	ng/ul	0.00
31) 4-Chloroaniline-d4	11.220	131	148680	28.318	ng/ul	0.00
46) Dimethylphthalate-d6	14.263	166	449714	44.677	ng/ul	0.00
49) Acenaphthylene-d8	14.569	160	534387	42.296	ng/ul	0.00
54) 4-Nitrophenol-d4	15.050	143	16473	9.372	ng/ul	0.00
60) Fluorene-d10	15.855	176	413290	43.139	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.967	200	72376	45.678	ng/ul	0.00
73) Anthracene-d10	17.712	188	628856	44.773	ng/ul	0.00
81) Pyrene-d10	19.986	212	704564	43.845	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.150	264	723032	47.256	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Pyridine	3.987	79	38101	10.286	ng/ul	96
6) Benzaldehyde	7.377	77	79007	38.092	ng/ul	98
8) Phenol	7.389	94	35392	7.533	ng/ul#	89
10) Bis(2-Chloroethyl)ether	7.647	93	136907	35.529	ng/ul	92
12) 2-Chlorophenol	7.783	128	93812	28.025	ng/ul#	92
13) 2-Methylphenol	8.658	108	69405	19.552	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.740	45	291640	34.236	ng/ul	98
16) Acetophenone	9.075	105	203612	36.010	ng/ul	95
17) N-Nitroso-di-n-propyla...	9.034	70	102107	35.600	ng/ul	98
18) 4-Methylphenol	8.993	108	67889	18.050	ng/ul	89
19) Hexachloroethane	9.316	117	41970	31.825	ng/ul#	83
22) Nitrobenzene	9.475	77	149547	37.649	ng/ul	97
23) Isophorone	9.980	82	329662	38.594	ng/ul	98
25) 2-Nitrophenol	10.180	139	68194	39.180	ng/ul#	83
26) 2,4-Dimethylphenol	10.209	107	101876	27.374	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.462	93	201014	37.297	ng/ul	96
29) 2,4-Dichlorophenol	10.703	162	120697	37.417	ng/ul	98
30) Naphthalene	11.126	128	429842	35.157	ng/ul	96
32) 4-Chloroaniline	11.243	127	149624	29.802	ng/ul	100
33) Hexachlorobutadiene	11.355	225	70890	32.837	ng/ul	92
34) Caprolactam	12.030	113	6419	5.751	ng/ul#	72
35) 4-Chloro-3-methylphenol	12.318	107	117308	34.084	ng/ul	89
36) 2-Methylnaphthalene	12.706	142	302225	37.733	ng/ul	97
37) 1-Methylnaphthalene	12.929	142	300008	36.905	ng/ul	93

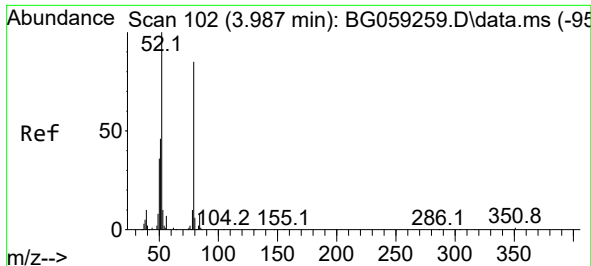
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	13.053	216	162582	39.006	ng/ul	98
40) Hexachlorocyclopentadiene	13.012	237	77432	30.116	ng/ul	97
41) 2,4,6-Trichlorophenol	13.300	196	109203	42.793	ng/ul#	83
42) 2,4,5-Trichlorophenol	13.370	196	118766	44.353	ng/ul	96
43) 1,1'-Biphenyl	13.705	154	460662	40.970	ng/ul	100
44) 2-Chloronaphthalene	13.758	162	345026	40.756	ng/ul	97
45) 2-Nitroaniline	13.975	65	125789	52.678	ng/ul	99
47) Dimethylphthalate	14.310	163	464980	45.100	ng/ul	99
48) 2,6-Dinitrotoluene	14.457	165	97239	55.453	ng/ul	90
50) Acenaphthylene	14.598	152	580904	43.075	ng/ul	99
51) 3-Nitroaniline	14.798	138	91536	48.356	ng/ul#	88
52) Acenaphthene	14.933	153	398258	43.023	ng/ul	93
53) 2,4-Dinitrophenol	14.986	184	44721	45.879	ng/ul	92
55) 4-Nitrophenol	15.068	109	11403	9.197	ng/ul	85
56) Dibenzofuran	15.262	168	538081	43.853	ng/ul	99
57) 2,4-Dinitrotoluene	15.233	165	138147	53.206	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.474	232	114861	47.383	ng/ul#	95
59) Diethylphthalate	15.656	149	456973	45.848	ng/ul	97
61) Fluorene	15.908	166	460938	44.739	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.891	204	229781	44.740	ng/ul	97
63) 4-Nitroaniline	15.961	138	93135	53.462	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.985	198	85853	51.388	ng/ul#	83
67) N-Nitrosodiphenylamine	16.114	169	377877	45.988	ng/ul	94
68) 4-Bromophenyl-phenylether	16.790	248	140668	47.105	ng/ul	98
69) Hexachlorobenzene	16.878	284	156847	46.491	ng/ul	96
70) Atrazine	17.048	200	138891	44.454	ng/ul	96
71) Pentachlorophenol	17.236	266	91250	46.996	ng/ul	96
72) Phenanthrene	17.659	178	775744	45.857	ng/ul	99
74) Anthracene	17.747	178	801092	45.862	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.664	216	165151	40.657	ng/uL	97
76) Pentachlorobenzene	15.156	250	170427	42.491	ng/uL	99
77) Carbazole	18.023	167	673564	47.312	ng/ul	98
78) Di-n-butylphthalate	18.529	149	810512	48.027	ng/ul	99
80) Fluoranthene	19.651	202	901617	45.545	ng/ul	98
82) Pyrene	20.015	202	938789	44.772	ng/ul	98
83) Butylbenzylphthalate	20.867	149	359240	48.583	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.807	252	286193	43.066	ng/ul	98
85) Benzo(a)anthracene	21.895	228	927363	45.909	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.725	149	544758	48.517	ng/ul	96
87) Chrysene	21.966	228	851440	44.629	ng/ul	99
89) Di-n-octyl phthalate	23.018	149	919408	49.650	ng/ul	100
90) Benzo(b)fluoranthene	24.269	252	935968	47.995	ng/ul	97
91) Benzo(k)fluoranthene	24.345	252	941941	47.670	ng/ul	98
93) Benzo(a)pyrene	25.227	252	895197	48.390	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.398	276	371542	17.742	ng/ul	100
95) Dibenzo(a,h)anthracene	29.498	278	839586	49.301	ng/ul	99
96) Benzo(g,h,i)perylene	30.697	276	816598	47.958	ng/ul	96

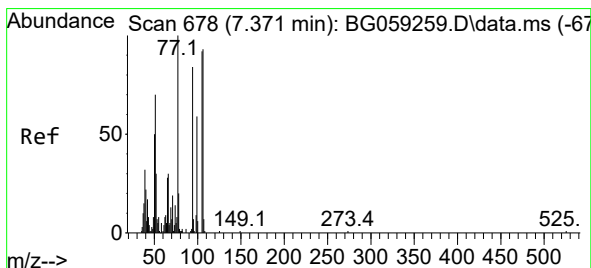
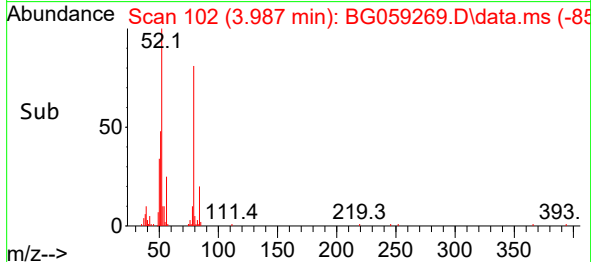
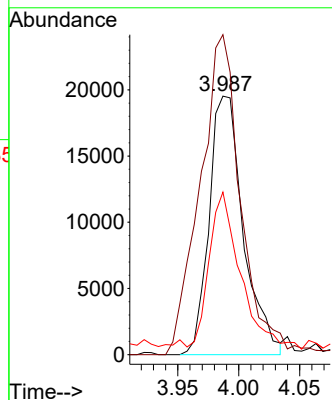
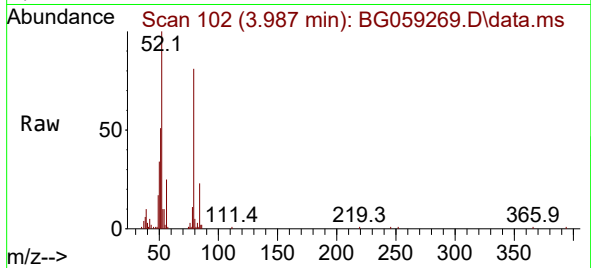
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#5
 Pyridine
 Concen: 10.286 ng/ul
 RT: 3.987 min Scan# 102
 Delta R.T. -0.002 min
 Lab File: BG059269.D
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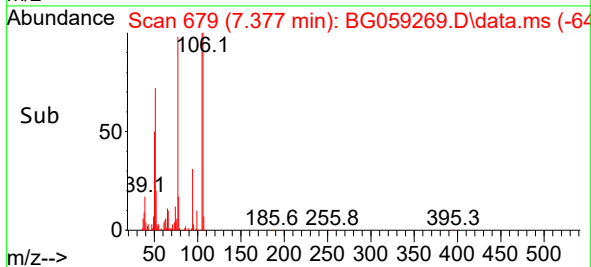
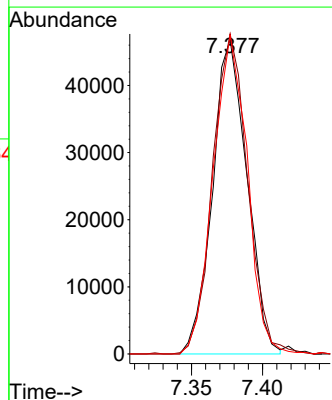
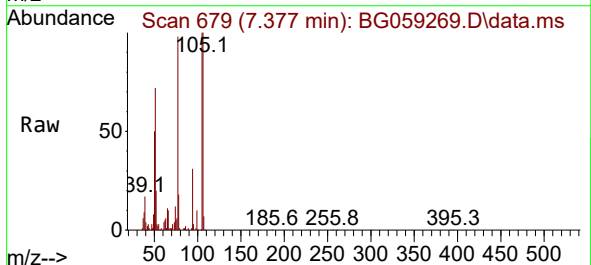
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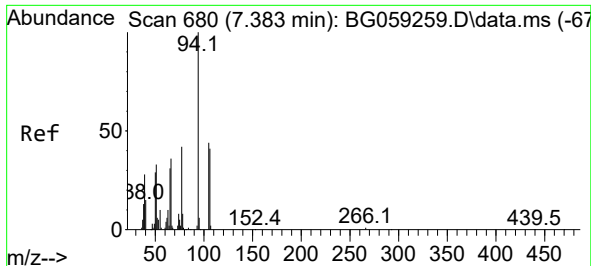
Tgt Ion: 79 Resp: 38101
 Ion Ratio Lower Upper
 79 100
 52 123.8 94.8 142.2
 51 62.9 48.2 72.2



#6
 Benzaldehyde
 Concen: 38.092 ng/ul
 RT: 7.377 min Scan# 679
 Delta R.T. -0.002 min
 Lab File: BG059269.D
 Acq: 3 Oct 2023 17:54

Tgt Ion: 77 Resp: 79007
 Ion Ratio Lower Upper
 77 100
 105 101.8 81.4 122.2
 106 101.5 78.3 117.5

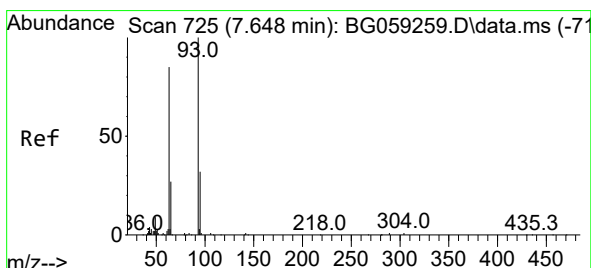
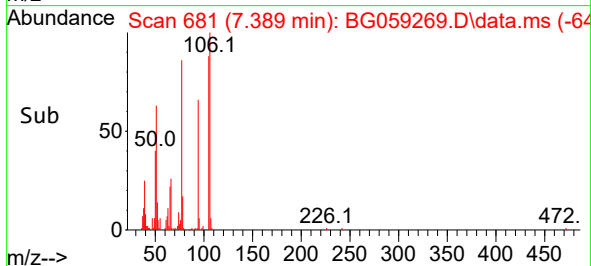
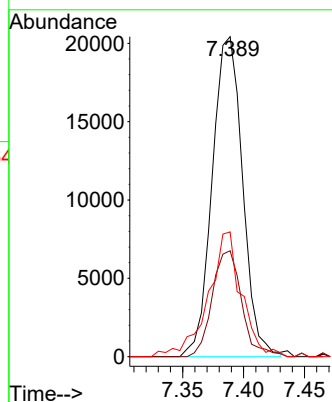
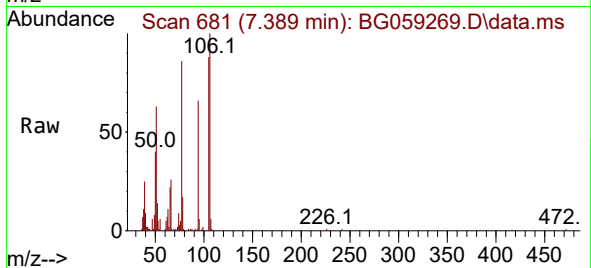




#8
Phenol
Concen: 7.533 ng/ul
RT: 7.389 min Scan# 680
Delta R.T. 0.004 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

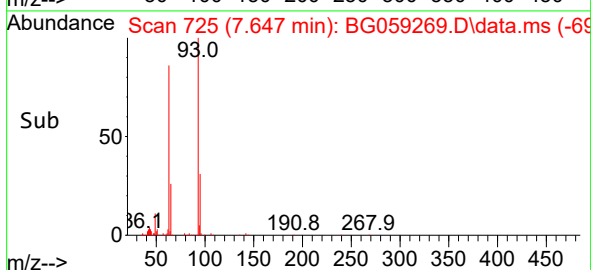
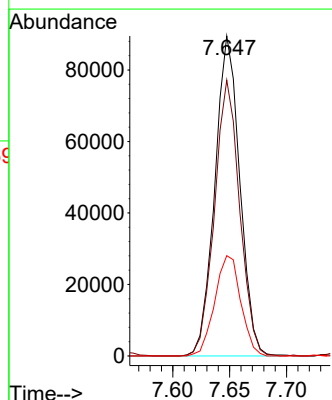
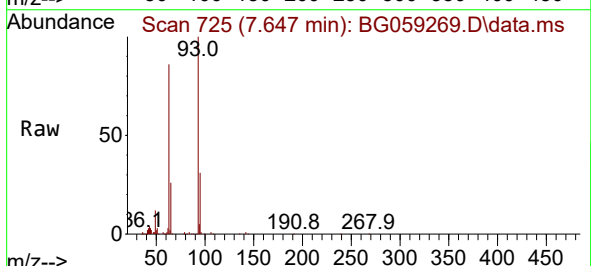
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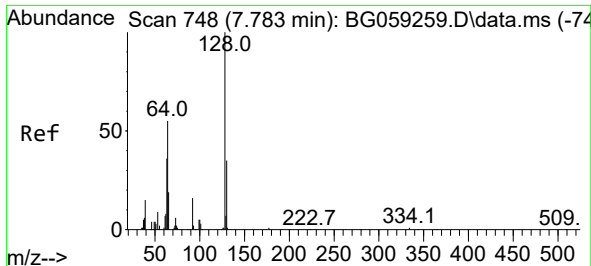
Tgt Ion: 94 Resp: 35392
Ion Ratio Lower Upper
94 100
65 33.1 23.6 35.4
66 39.0 24.6 37.0#



#10
Bis(2-Chloroethyl)ether
Concen: 35.529 ng/ul
RT: 7.647 min Scan# 725
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion: 93 Resp: 136907
Ion Ratio Lower Upper
93 100
63 86.2 76.0 114.0
95 31.4 26.6 39.8





#12

2-Chlorophenol

Concen: 28.025 ng/ul

RT: 7.783 min Scan# 748

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

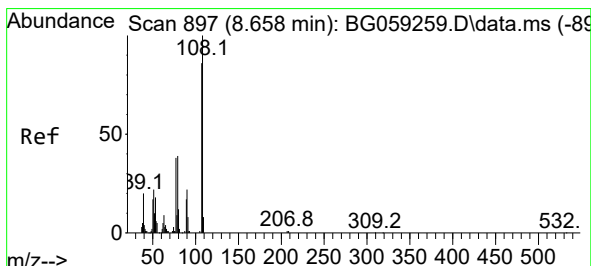
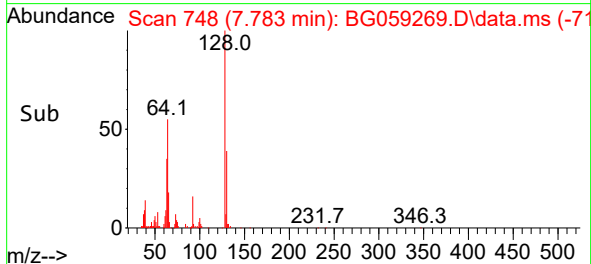
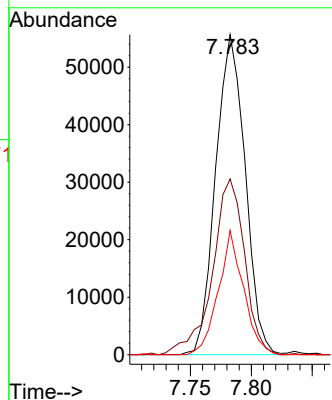
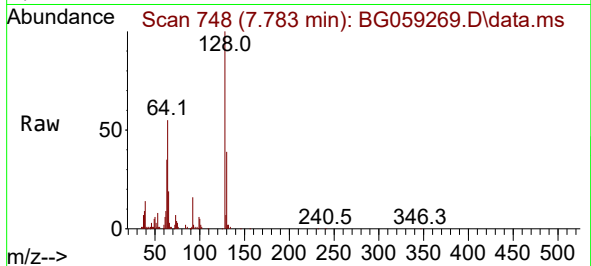
Tgt Ion:128 Resp: 93812

Ion Ratio Lower Upper

128 100

64 54.9 42.6 64.0

130 38.8 23.3 34.9#



#13

2-Methylphenol

Concen: 19.552 ng/ul

RT: 8.658 min Scan# 897

Delta R.T. -0.002 min

Lab File: BG059269.D

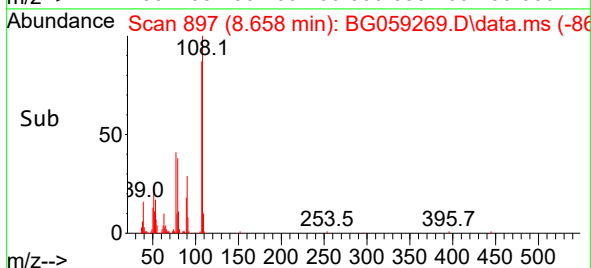
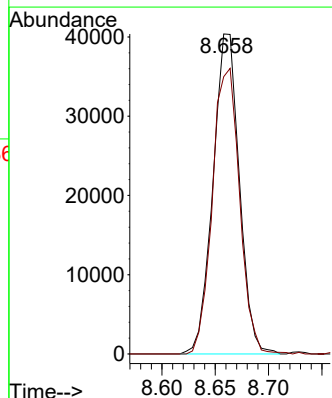
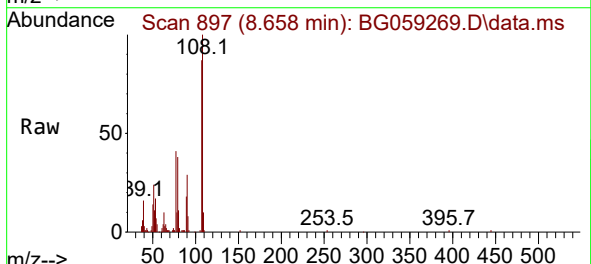
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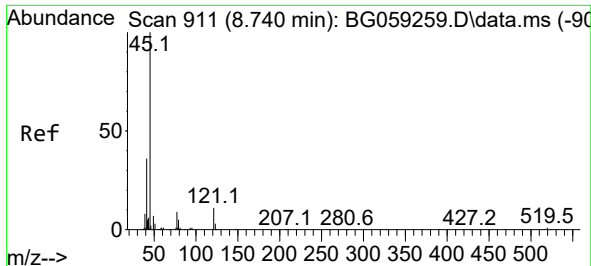
Tgt Ion:108 Resp: 69405

Ion Ratio Lower Upper

108 100

107 86.7 67.3 100.9

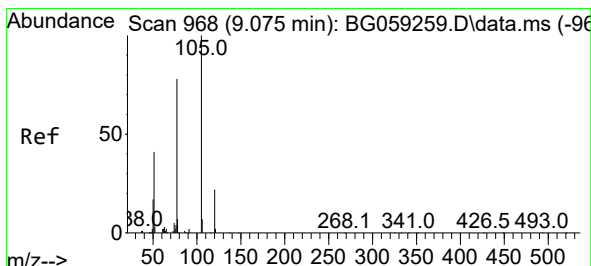
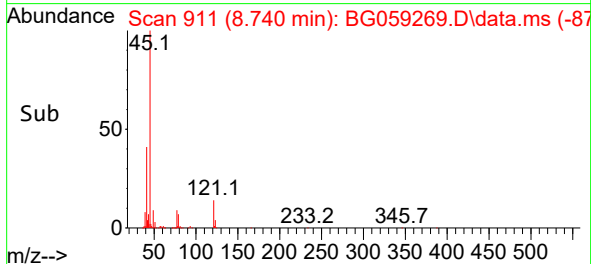
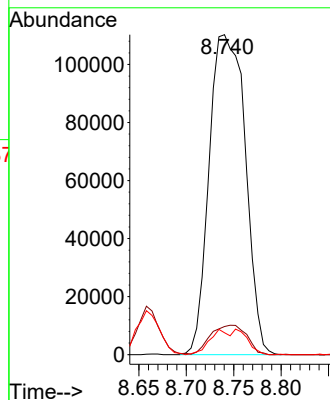
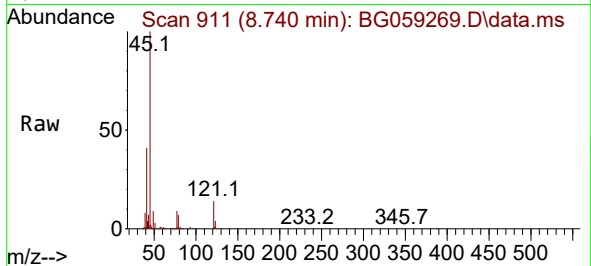




#14
2,2'-oxybis(1-Chloropropane)
Concen: 34.236 ng/ul
RT: 8.740 min Scan# 911
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

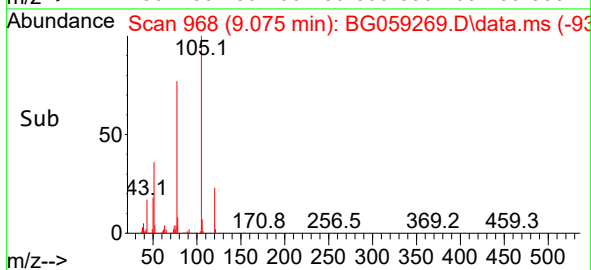
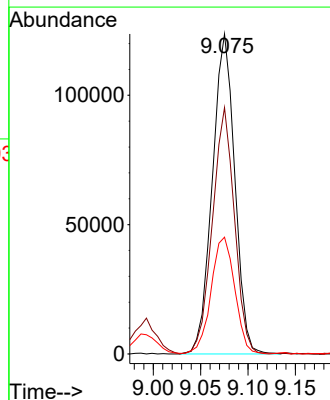
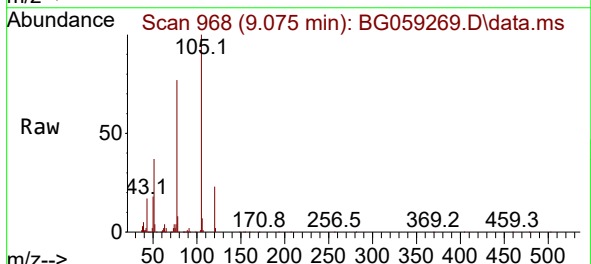
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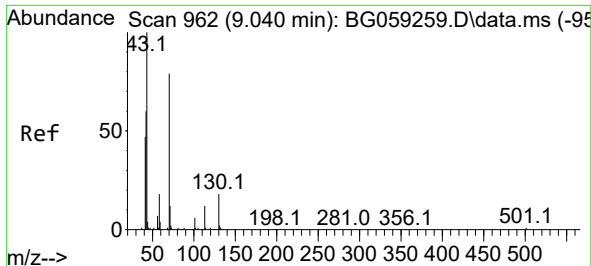
Tgt Ion: 45 Resp: 291640
Ion Ratio Lower Upper
45 100
77 8.8 6.6 9.8
79 6.9 5.9 8.9



#16
Acetophenone
Concen: 36.010 ng/ul
RT: 9.075 min Scan# 968
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion: 105 Resp: 203612
Ion Ratio Lower Upper
105 100
77 77.0 58.8 88.2
51 36.5 32.6 48.8

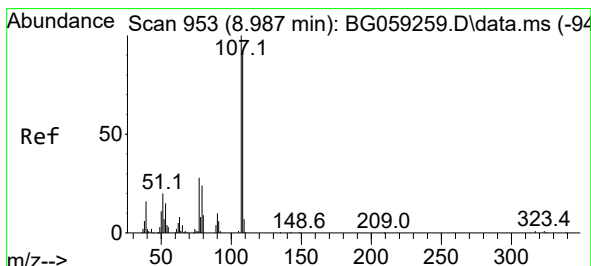
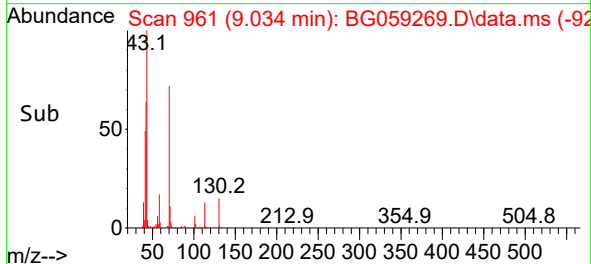
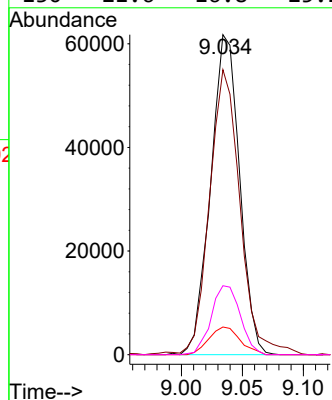
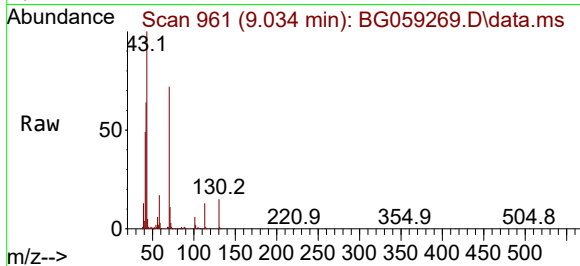




#17
N-Nitroso-di-n-propylamine
Concen: 35.600 ng/ul
RT: 9.034 min Scan# 901
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

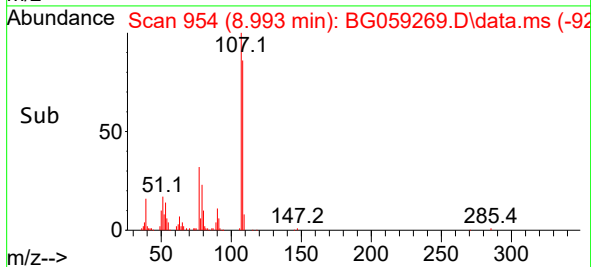
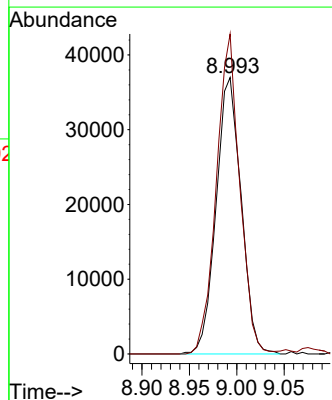
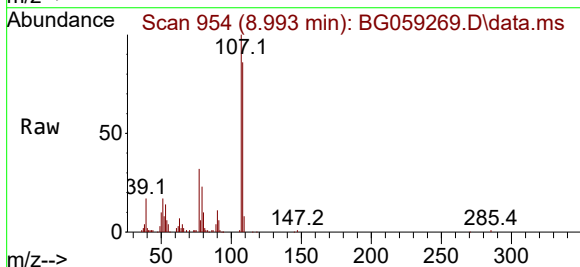
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ClientSampleId :
BBJN2MSD

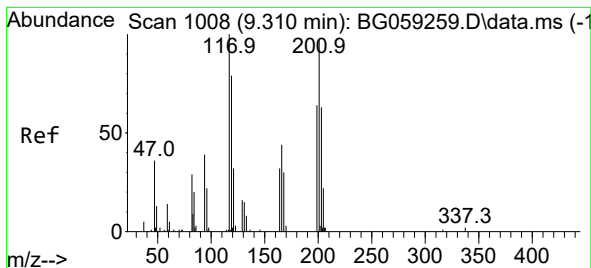
Tgt Ion: 70 Resp: 102107
Ion Ratio Lower Upper
70 100
42 89.1 69.6 104.4
101 8.6 6.7 10.1
130 21.6 16.8 25.2



#18
4-Methylphenol
Concen: 18.050 ng/ul
RT: 8.993 min Scan# 954
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:108 Resp: 67889
Ion Ratio Lower Upper
108 100
107 115.7 83.8 125.8





#19

Hexachloroethane

Concen: 31.825 ng/ul

RT: 9.316 min Scan# 1008

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

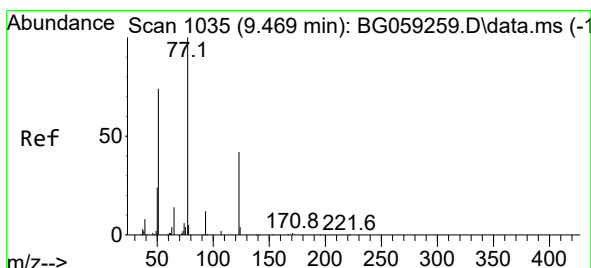
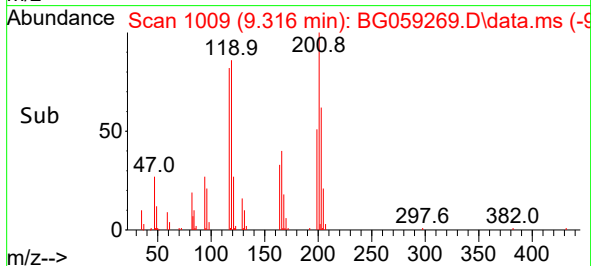
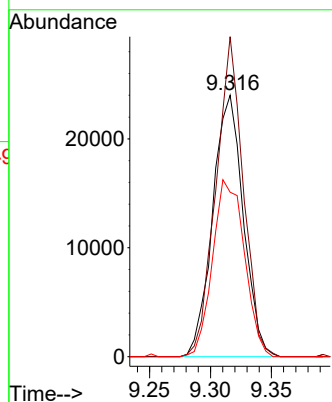
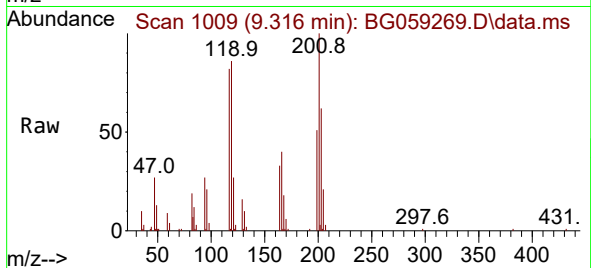
Tgt Ion:117 Resp: 41970

Ion Ratio Lower Upper

117 100

201 122.4 78.2 117.4#

199 62.9 53.5 80.3



#22

Nitrobenzene

Concen: 37.649 ng/ul

RT: 9.475 min Scan# 1036

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

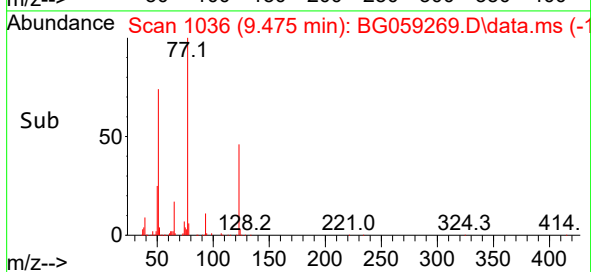
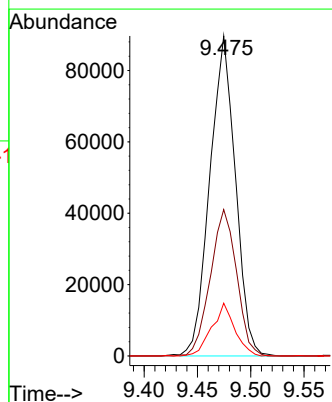
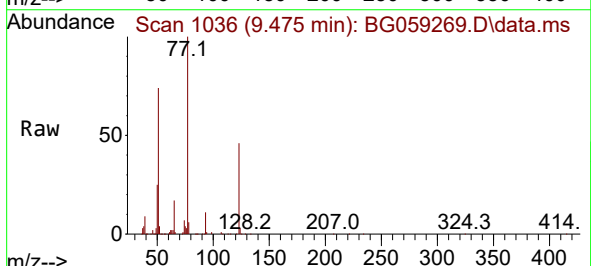
Tgt Ion: 77 Resp: 149547

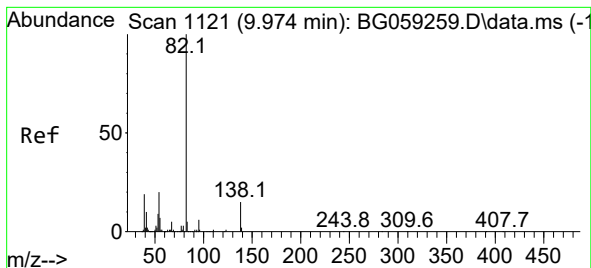
Ion Ratio Lower Upper

77 100

123 45.8 34.6 52.0

65 16.5 13.0 19.4





#23

Isophorone

Concen: 38.594 ng/ul

RT: 9.980 min Scan# 1121

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

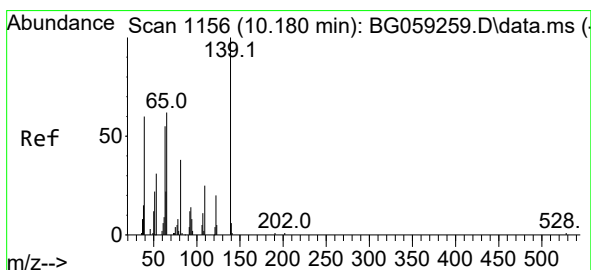
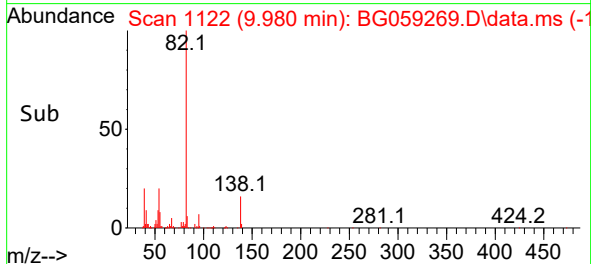
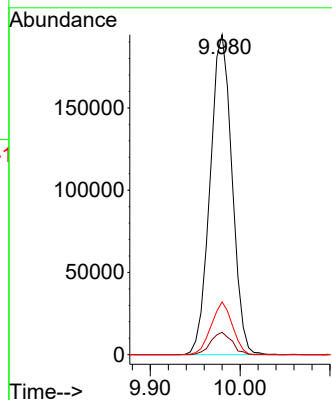
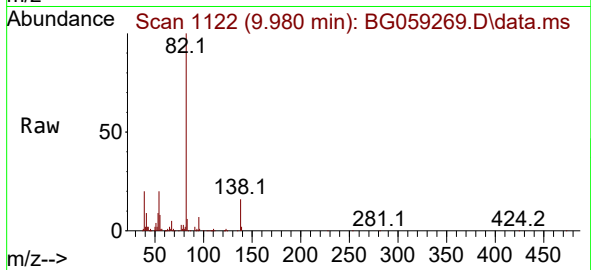
Tgt Ion: 82 Resp: 329662

Ion Ratio Lower Upper

82 100

95 7.0 4.7 7.1

138 16.5 13.5 20.3



#25

2-Nitrophenol

Concen: 39.180 ng/ul

RT: 10.180 min Scan# 1156

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

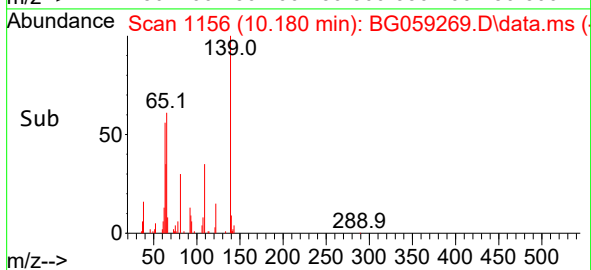
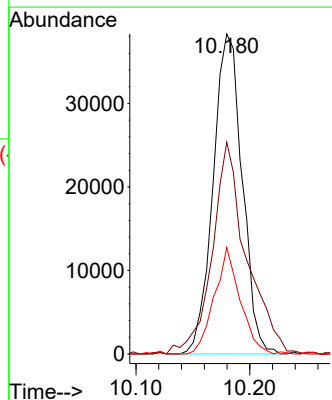
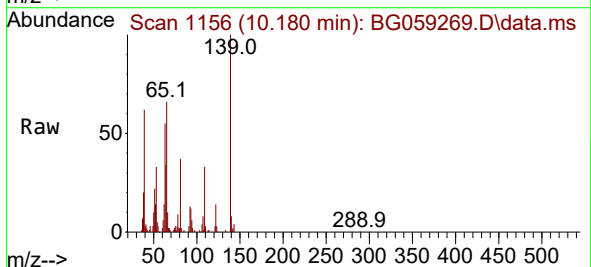
Tgt Ion:139 Resp: 68194

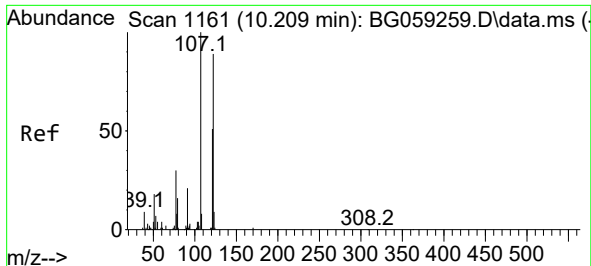
Ion Ratio Lower Upper

139 100

65 66.2 41.2 61.8#

109 33.2 22.6 33.8

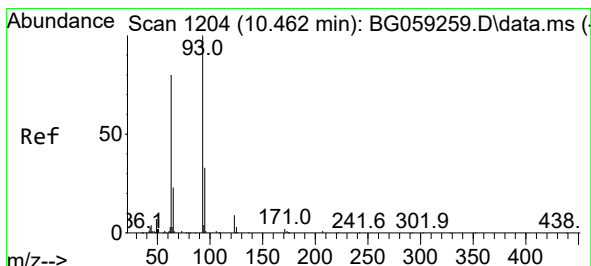
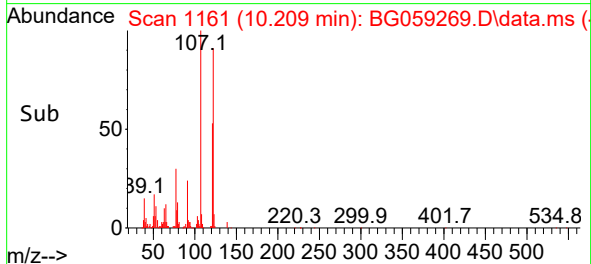
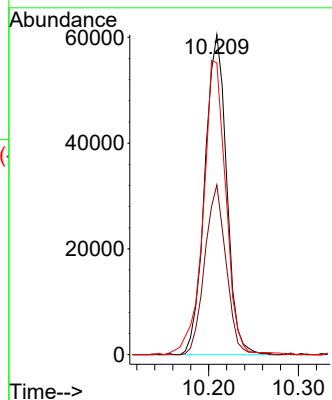
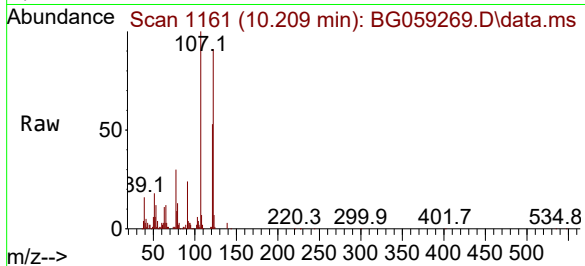




#26
2,4-Dimethylphenol
Concen: 27.374 ng/ul
RT: 10.209 min Scan# 1161
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

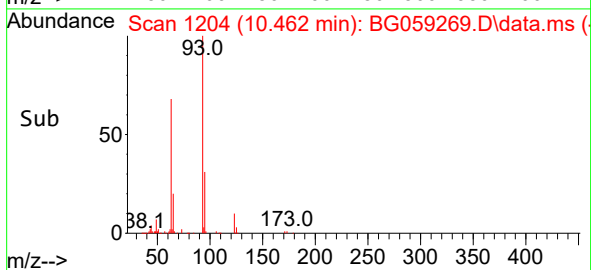
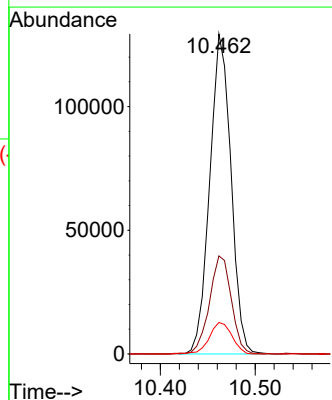
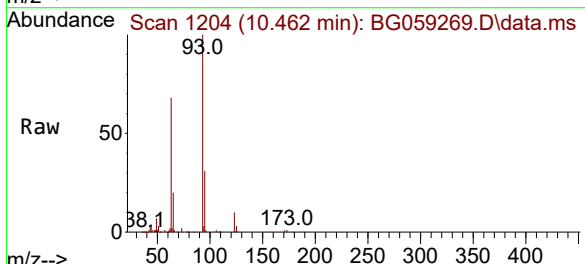
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

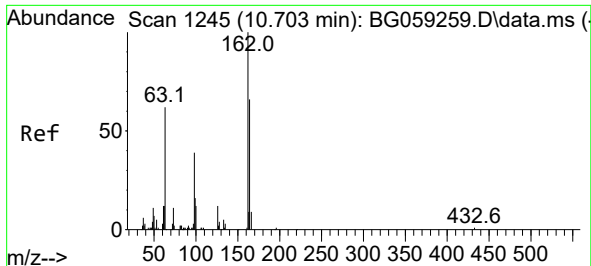
Tgt Ion:107 Resp: 101876
Ion Ratio Lower Upper
107 100
121 53.0 42.3 63.5
122 91.2 75.2 112.8



#27
Bis(2-Chloroethoxy)methane
Concen: 37.297 ng/ul
RT: 10.462 min Scan# 1204
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion: 93 Resp: 201014
Ion Ratio Lower Upper
93 100
95 30.6 26.5 39.7
123 9.9 7.3 10.9





#29

2,4-Dichlorophenol

Concen: 37.417 ng/ul

RT: 10.703 min Scan# 1245

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

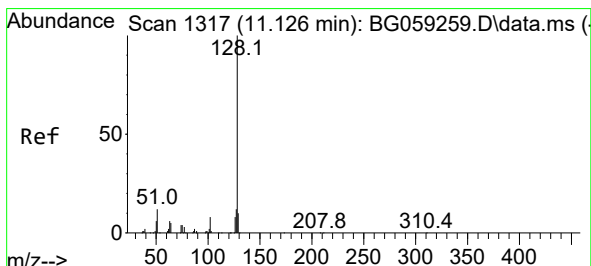
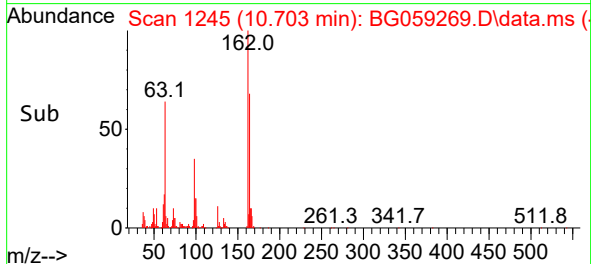
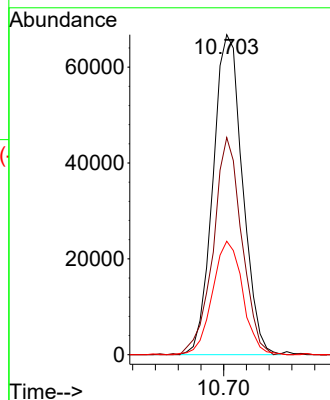
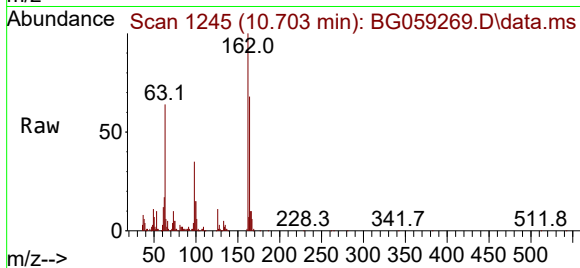
Tgt Ion:162 Resp: 120697

Ion Ratio Lower Upper

162 100

164 67.8 52.5 78.7

98 35.4 28.9 43.3



#30

Naphthalene

Concen: 35.157 ng/ul

RT: 11.126 min Scan# 1317

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

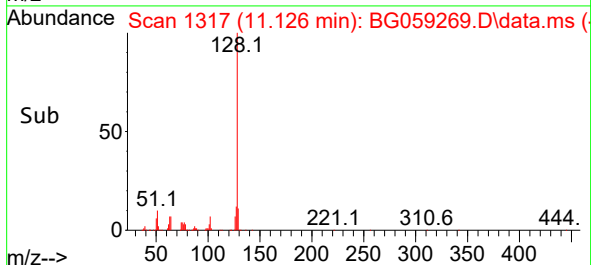
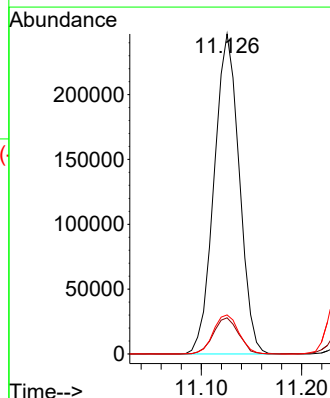
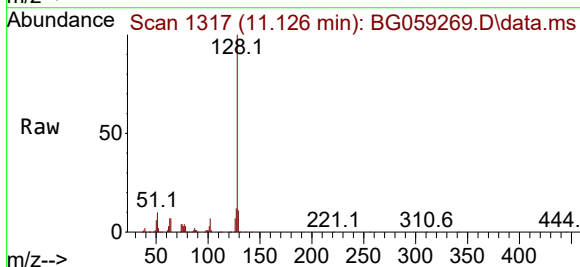
Tgt Ion:128 Resp: 429842

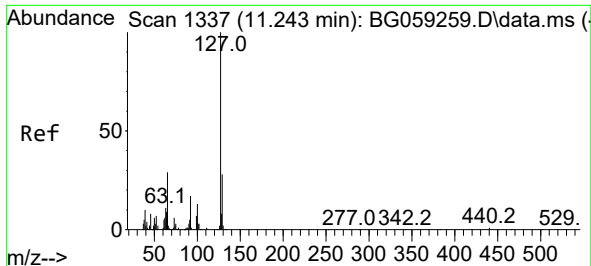
Ion Ratio Lower Upper

128 100

129 11.3 8.0 12.0

127 12.2 11.1 16.7

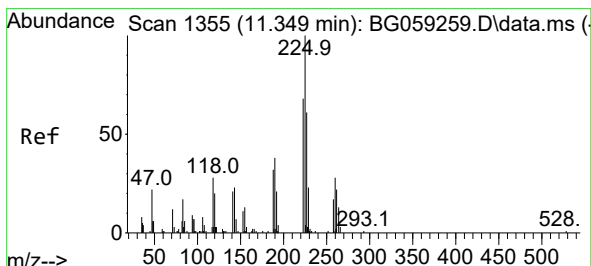
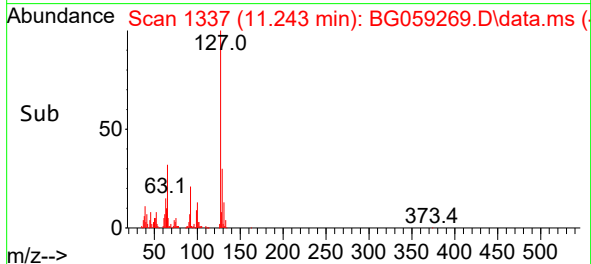
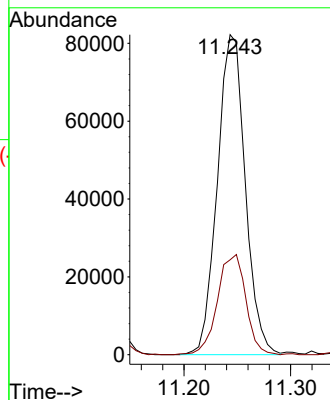
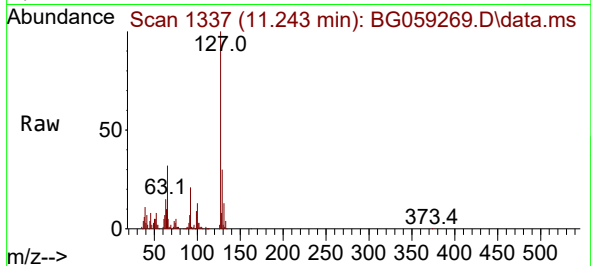




#32
4-Chloroaniline
Concen: 29.802 ng/ul
RT: 11.243 min Scan# 1337
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

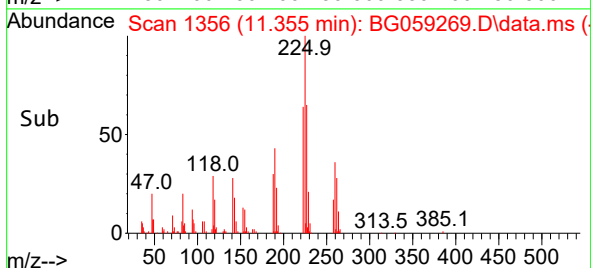
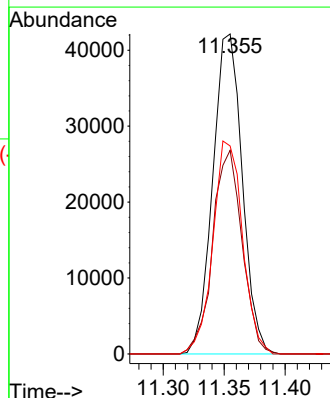
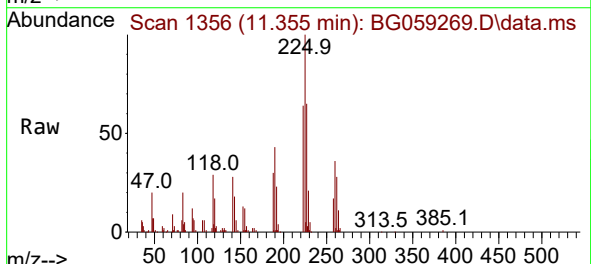
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

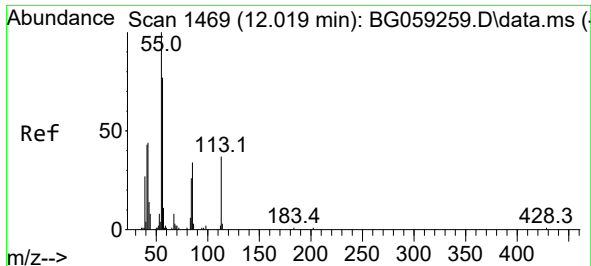
Tgt Ion:127 Resp: 149624
Ion Ratio Lower Upper
127 100
129 29.6 23.6 35.4



#33
Hexachlorobutadiene
Concen: 32.837 ng/ul
RT: 11.355 min Scan# 1356
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:225 Resp: 70890
Ion Ratio Lower Upper
225 100
223 60.4 54.1 81.1
227 61.7 53.5 80.3

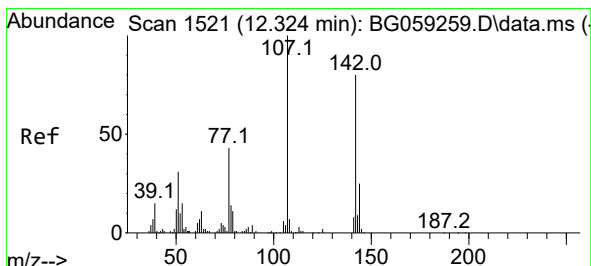
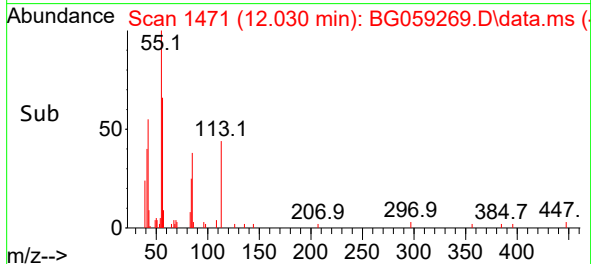
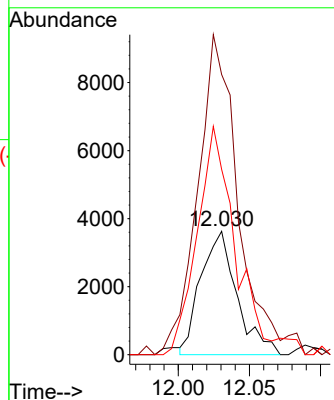
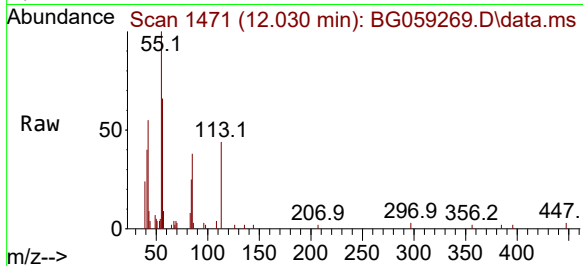




#34
Caprolactam
Concen: 5.751 ng/ul
RT: 12.030 min Scan# 14
Delta R.T. 0.004 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

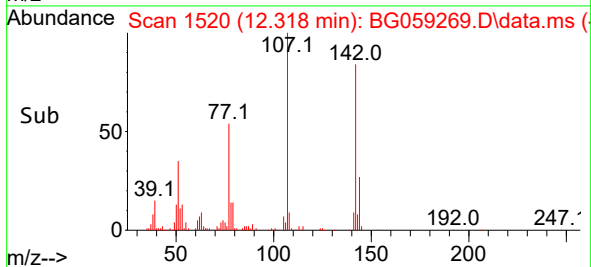
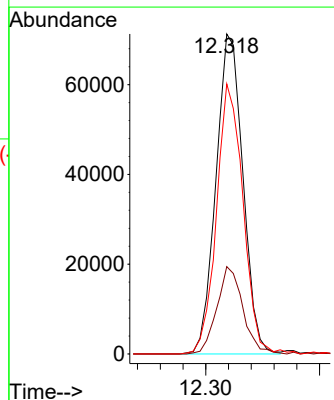
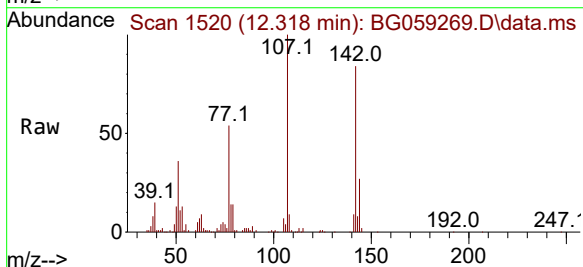
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

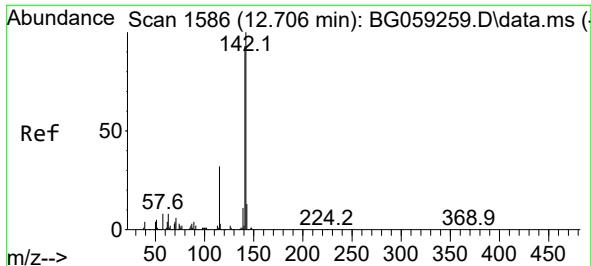
Tgt Ion:113 Resp: 6419
Ion Ratio Lower Upper
113 100
55 227.0 211.3 316.9
56 150.1 167.9 251.9#



#35
4-Chloro-3-methylphenol
Concen: 34.084 ng/ul
RT: 12.318 min Scan# 1520
Delta R.T. -0.008 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:107 Resp: 117308
Ion Ratio Lower Upper
107 100
144 27.3 20.2 30.2
142 84.4 58.8 88.2

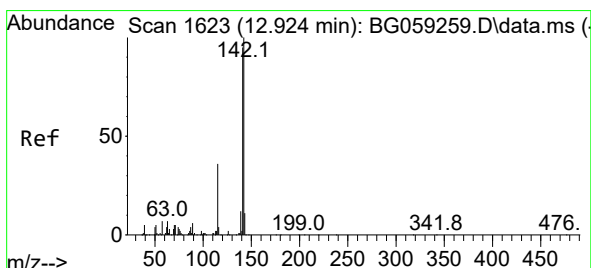
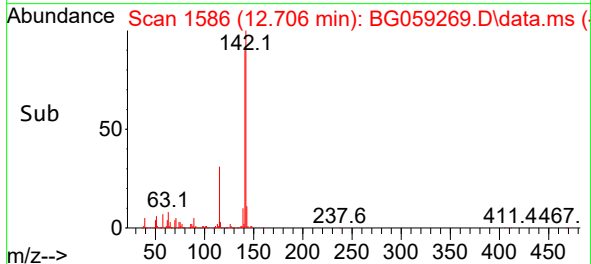
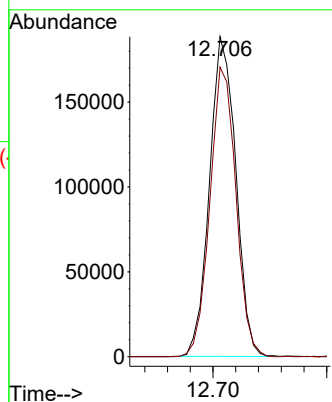
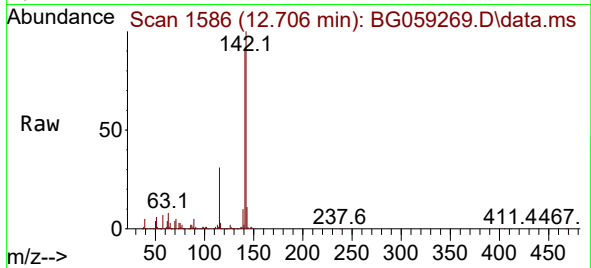




#36
2-Methylnaphthalene
Concen: 37.733 ng/ul
RT: 12.706 min Scan# 1586
Delta R.T. -0.008 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

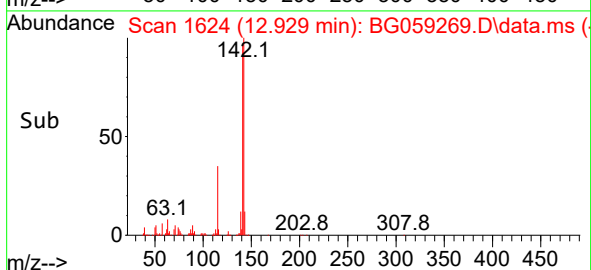
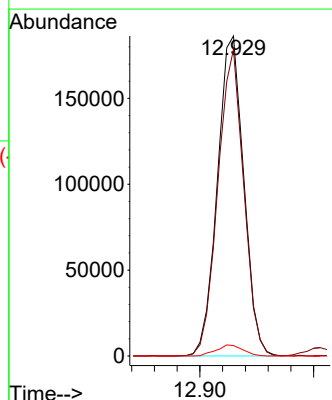
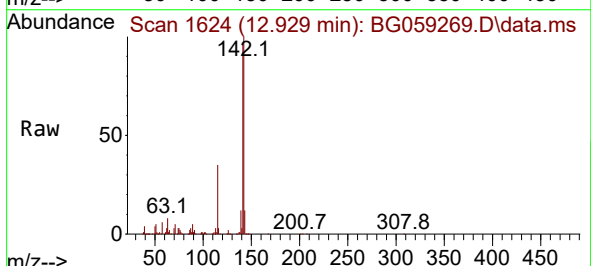
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

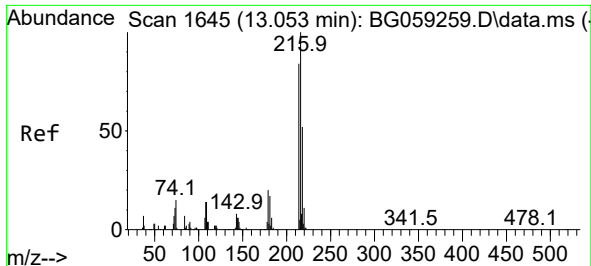
Tgt Ion:142 Resp: 302225
Ion Ratio Lower Upper
142 100
141 90.5 70.2 105.2



#37
1-Methylnaphthalene
Concen: 36.905 ng/ul
RT: 12.929 min Scan# 1624
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:142 Resp: 300008
Ion Ratio Lower Upper
142 100
141 95.8 71.6 107.4
116 3.3 2.3 3.5

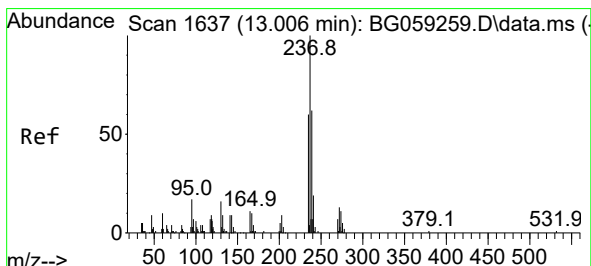
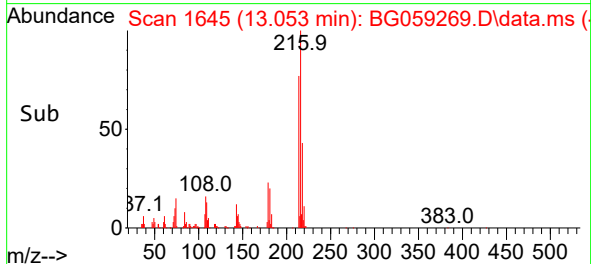
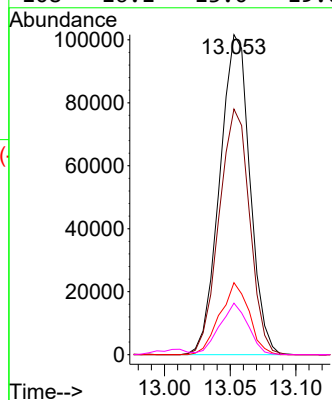
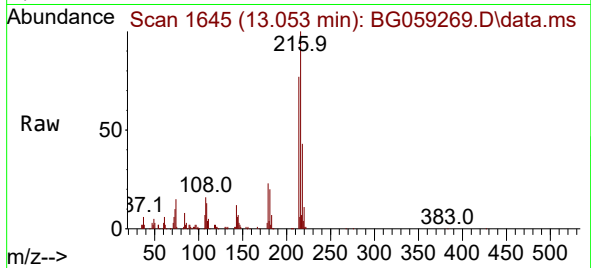




#39
1,2,4,5-Tetrachlorobenzene
Concen: 39.006 ng/ul
RT: 13.053 min Scan# 1645
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

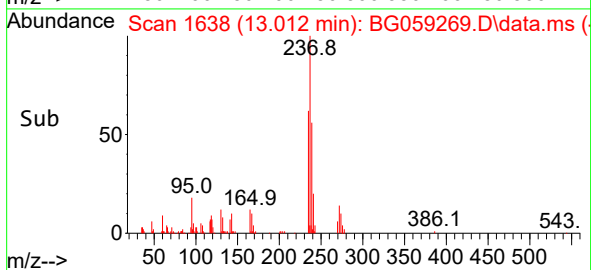
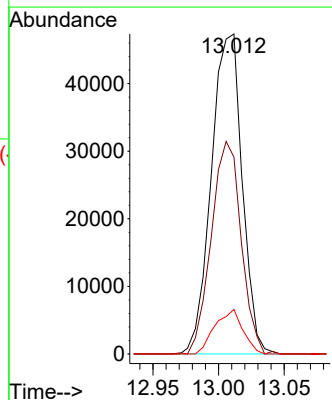
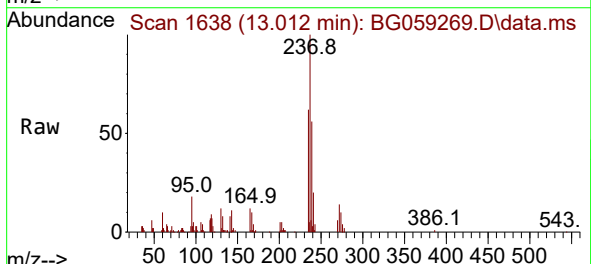
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

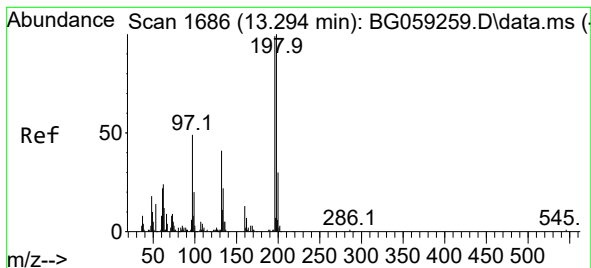
Tgt Ion:216 Resp: 162582
Ion Ratio Lower Upper
216 100
214 76.7 62.4 93.6
179 22.5 16.3 24.5
108 16.1 13.0 19.6



#40
Hexachlorocyclopentadiene
Concen: 30.116 ng/ul
RT: 13.012 min Scan# 1638
Delta R.T. 0.004 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:237 Resp: 77432
Ion Ratio Lower Upper
237 100
235 66.2 50.6 76.0
272 13.9 11.7 17.5





#41

2,4,6-Trichlorophenol

Concen: 42.793 ng/ul

RT: 13.300 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

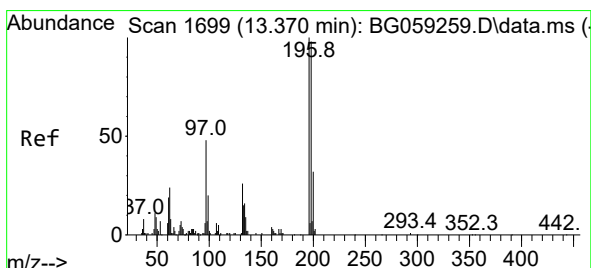
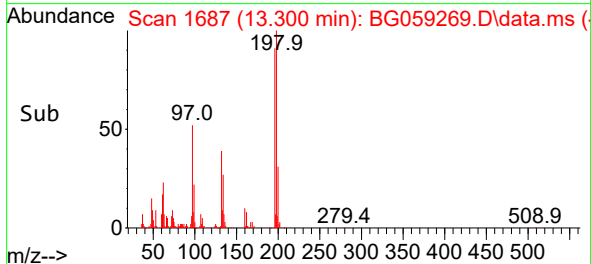
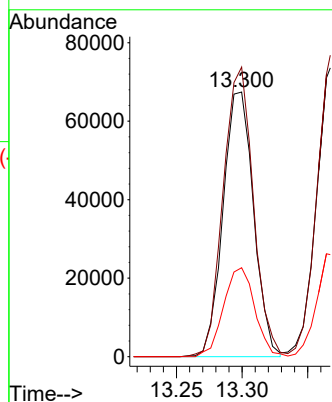
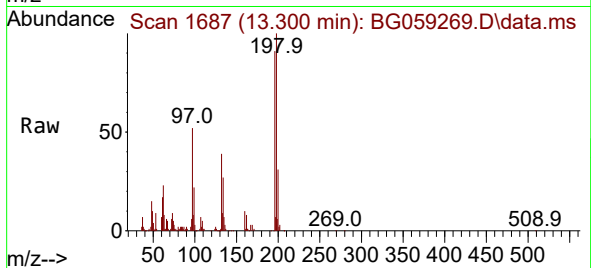
Tgt Ion:196 Resp: 109203

Ion Ratio Lower Upper

196 100

198 109.4 72.4 108.6#

200 33.6 23.8 35.8



#42

2,4,5-Trichlorophenol

Concen: 44.353 ng/ul

RT: 13.370 min Scan# 1699

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

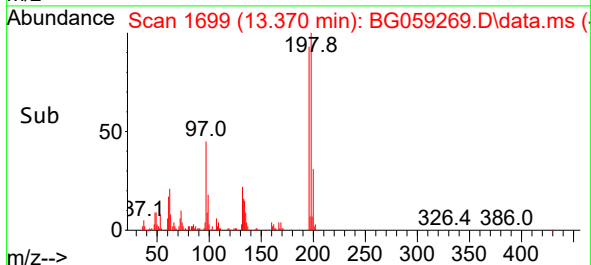
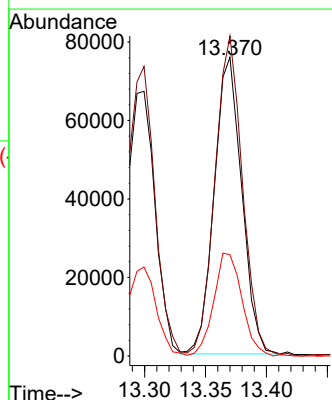
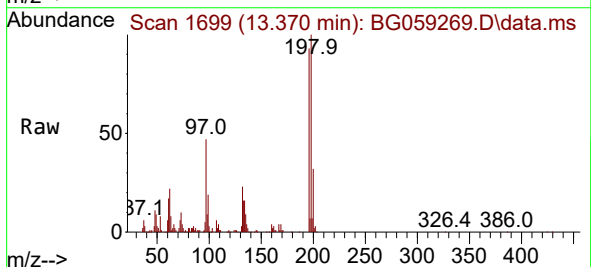
Tgt Ion:196 Resp: 118766

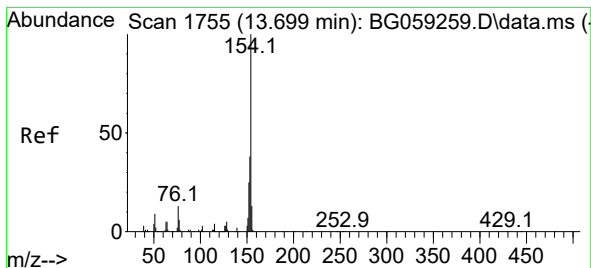
Ion Ratio Lower Upper

196 100

198 107.1 82.2 123.4

200 33.9 28.2 42.2





#43

1,1'-Biphenyl

Concen: 40.970 ng/ul

RT: 13.705 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

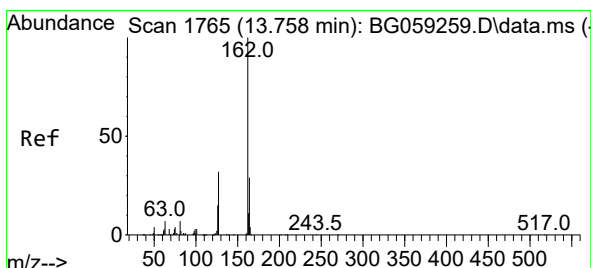
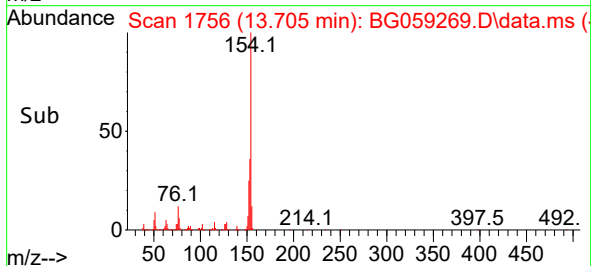
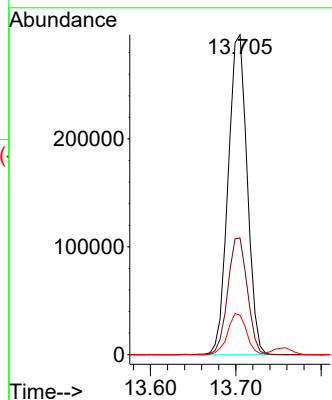
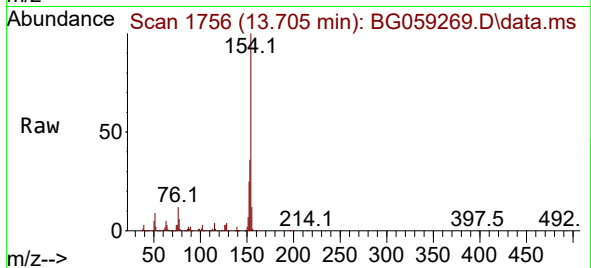
Tgt Ion:154 Resp: 460662

Ion Ratio Lower Upper

154 100

153 36.4 29.2 43.8

76 12.4 10.1 15.1



#44

2-Chloronaphthalene

Concen: 40.756 ng/ul

RT: 13.758 min Scan# 1765

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

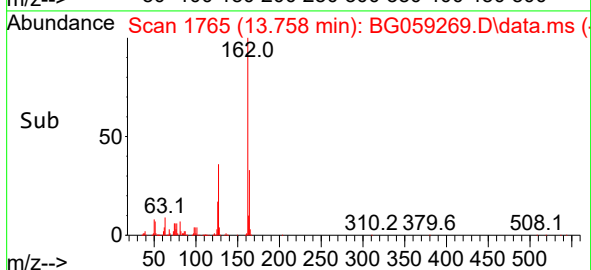
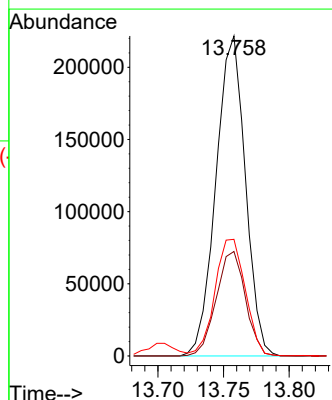
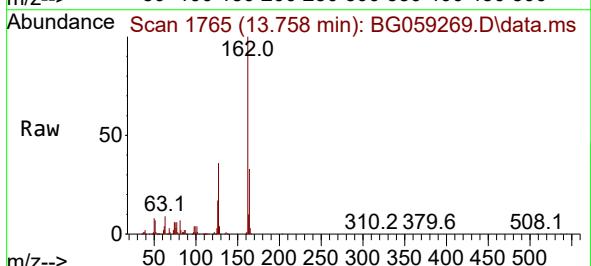
Tgt Ion:162 Resp: 345026

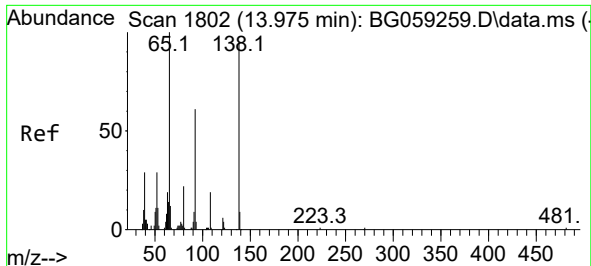
Ion Ratio Lower Upper

162 100

164 32.7 24.6 37.0

127 36.5 28.1 42.1

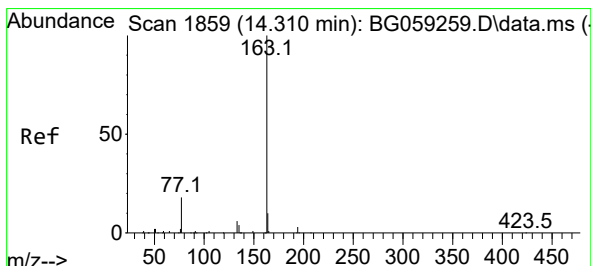
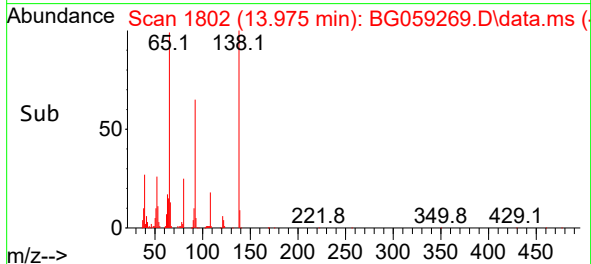
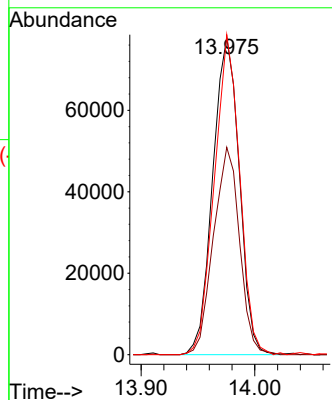
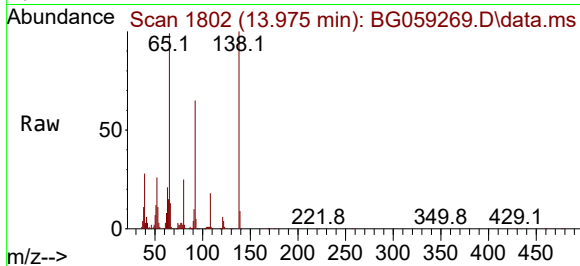




#45
2-Nitroaniline
Concen: 52.678 ng/ul
RT: 13.975 min Scan# 1802
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

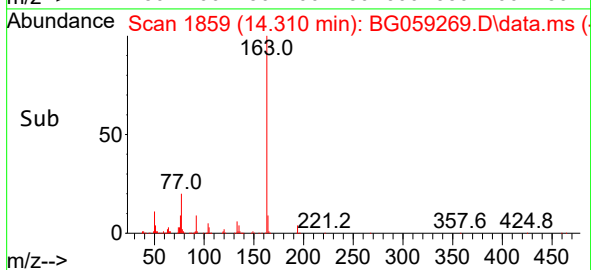
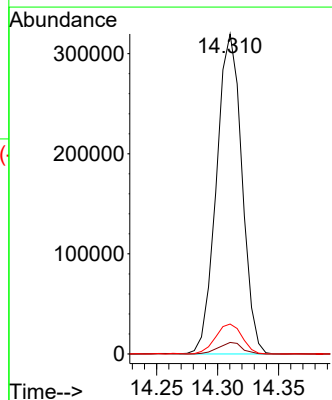
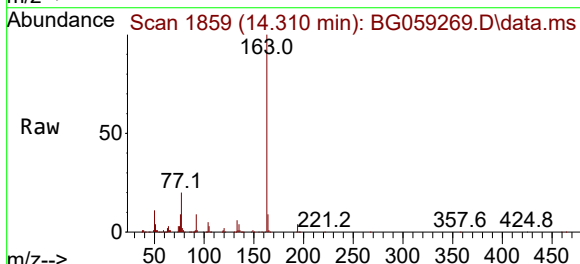
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

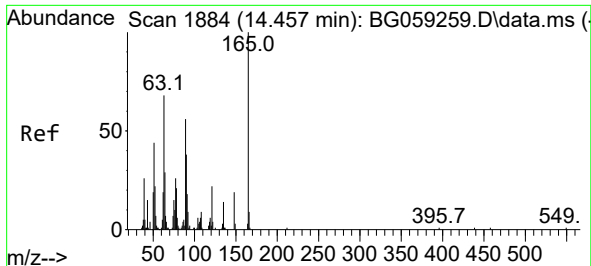
Tgt Ion: 65 Resp: 125789
Ion Ratio Lower Upper
65 100
92 65.4 51.0 76.4
138 100.9 80.5 120.7



#47
Dimethylphthalate
Concen: 45.100 ng/ul
RT: 14.310 min Scan# 1859
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:163 Resp: 464980
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.4 7.9 11.9

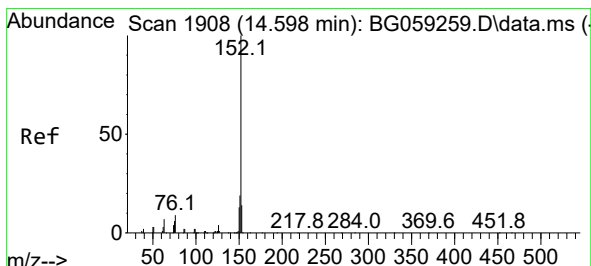
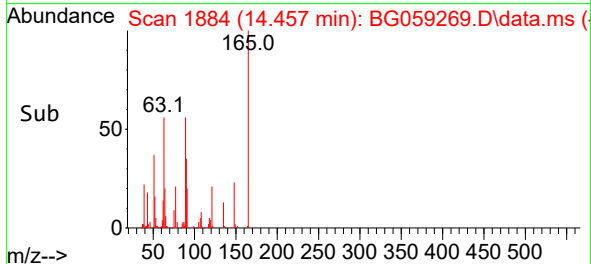
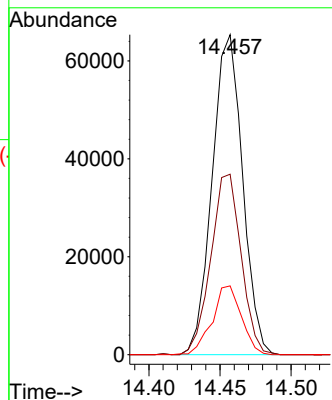
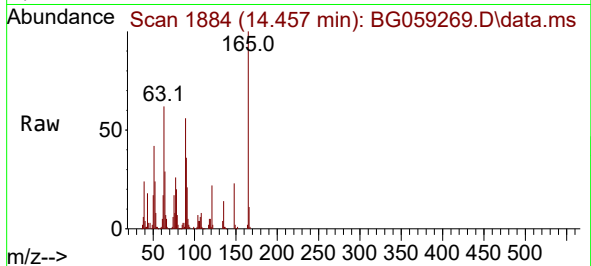




#48
2,6-Dinitrotoluene
Concen: 55.453 ng/ul
RT: 14.457 min Scan# 1884
Delta R.T. 0.004 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

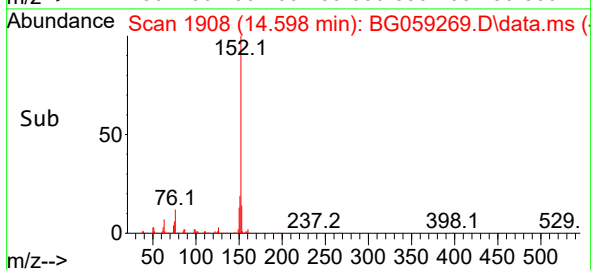
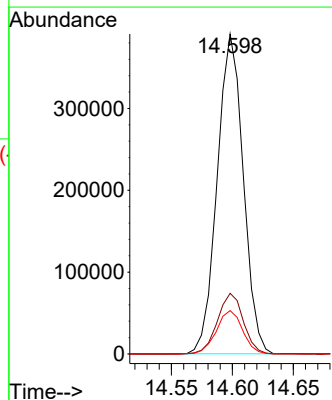
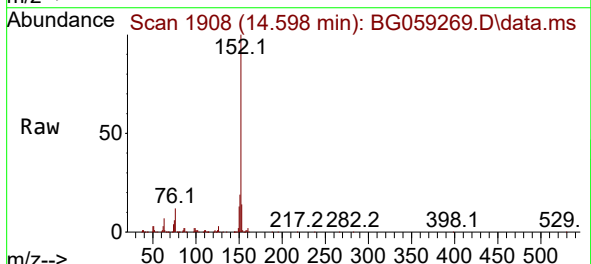
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

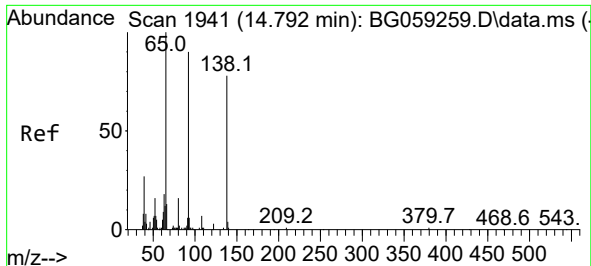
Tgt Ion:165 Resp: 97239
Ion Ratio Lower Upper
165 100
89 56.4 53.0 79.4
121 21.5 19.2 28.8



#50
Acenaphthylene
Concen: 43.075 ng/ul
RT: 14.598 min Scan# 1908
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:152 Resp: 580904
Ion Ratio Lower Upper
152 100
151 19.0 14.6 21.8
153 13.6 10.9 16.3

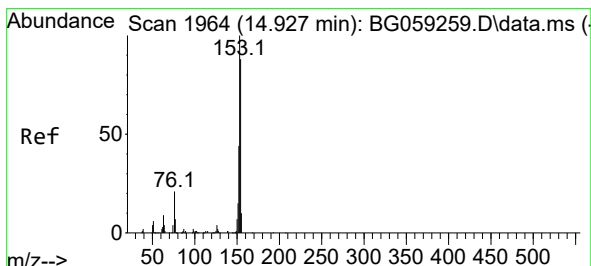
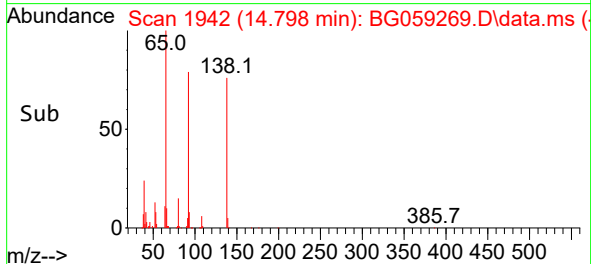
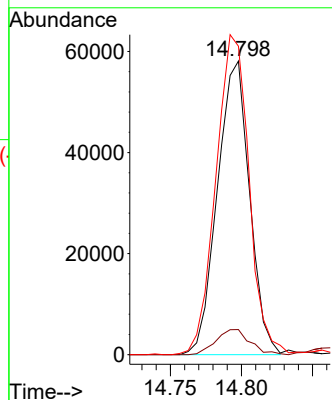
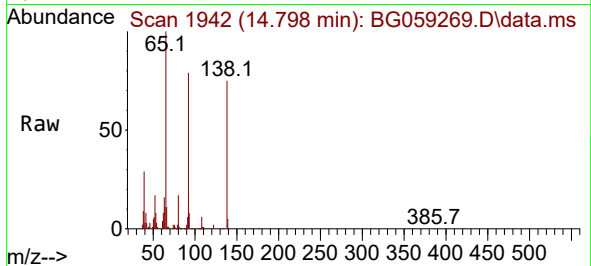




#51
3-Nitroaniline
Concen: 48.356 ng/ul
RT: 14.798 min Scan# 1941
Delta R.T. 0.004 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

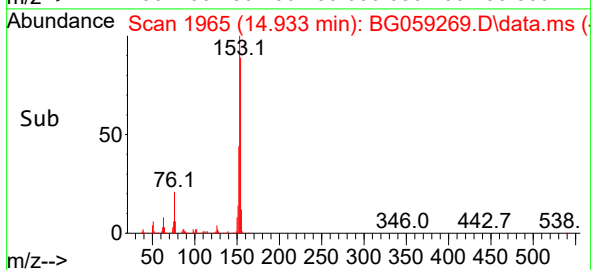
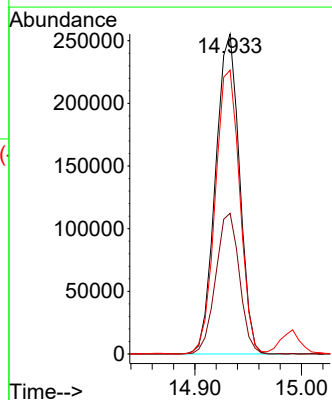
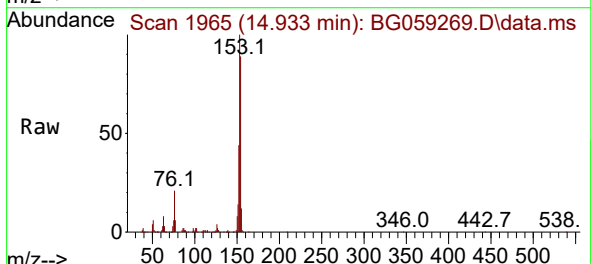
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

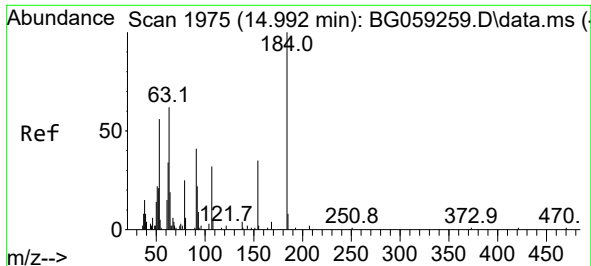
Tgt Ion:138 Resp: 91536
Ion Ratio Lower Upper
138 100
108 8.6 10.0 15.0#
92 105.0 95.0 142.6



#52
Acenaphthene
Concen: 43.023 ng/ul
RT: 14.933 min Scan# 1965
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:153 Resp: 398258
Ion Ratio Lower Upper
153 100
152 43.9 38.5 57.7
154 88.7 76.3 114.5

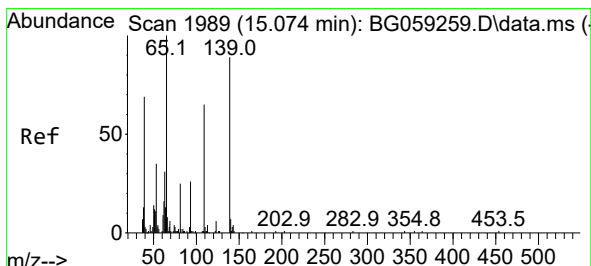
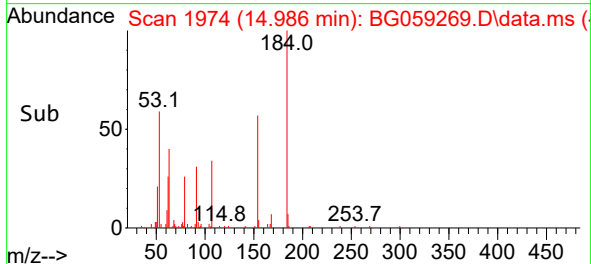
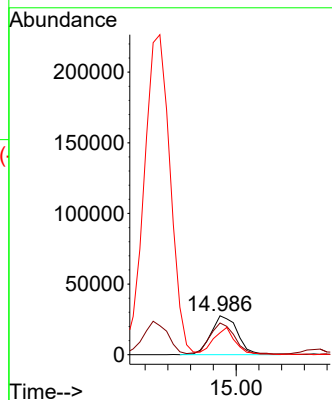
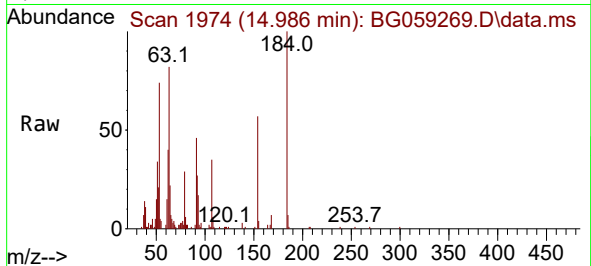




#53
2,4-Dinitrophenol
Concen: 45.879 ng/ul
RT: 14.986 min Scan# 1974
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

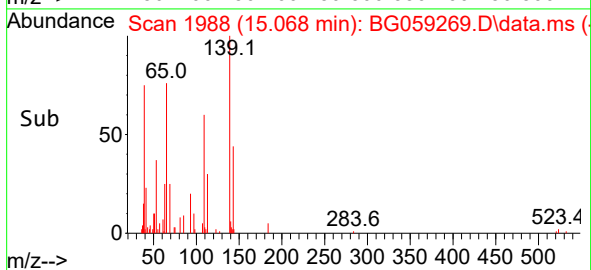
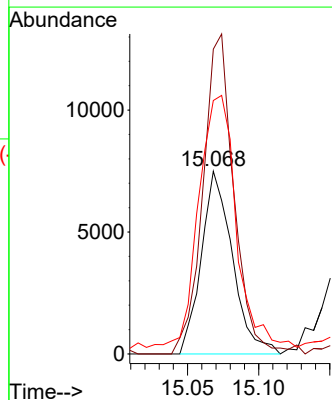
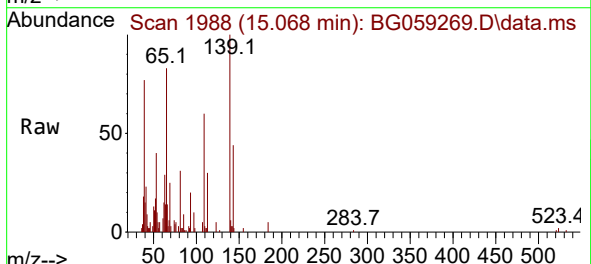
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

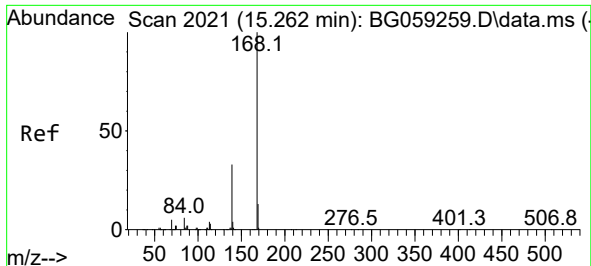
Tgt Ion:184 Resp: 44721
Ion Ratio Lower Upper
184 100
63 81.5 69.9 104.9
154 56.6 38.6 58.0



#55
4-Nitrophenol
Concen: 9.197 ng/ul
RT: 15.068 min Scan# 1988
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:109 Resp: 11403
Ion Ratio Lower Upper
109 100
139 166.8 115.5 173.3
65 138.7 122.8 184.2

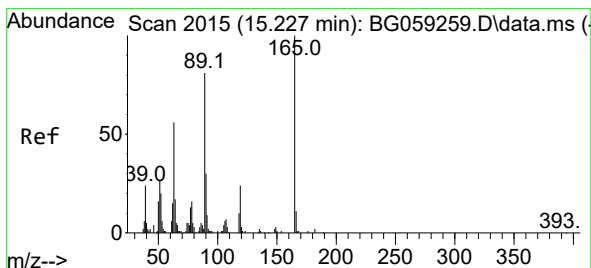
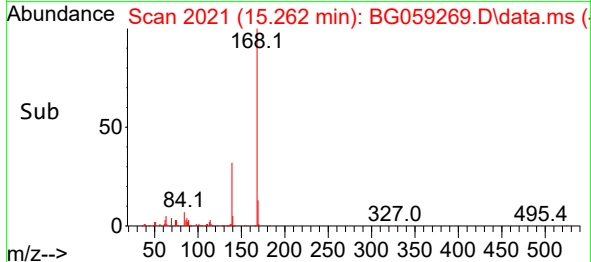
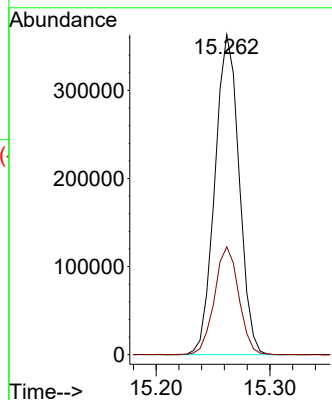
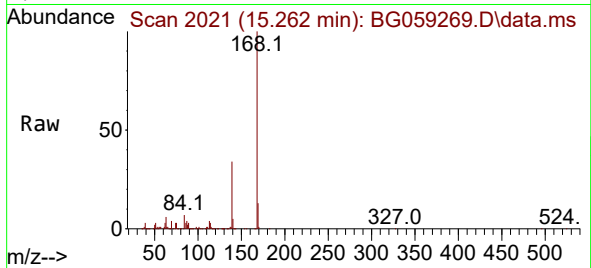




#56
Dibenzofuran
Concen: 43.853 ng/ul
RT: 15.262 min Scan# 2021
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

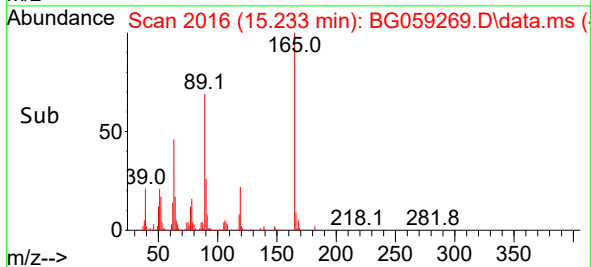
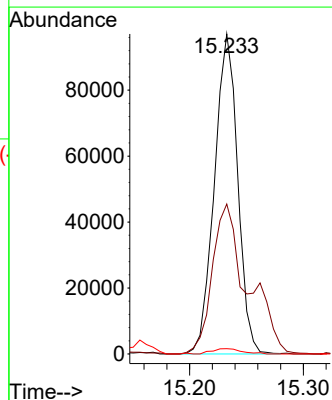
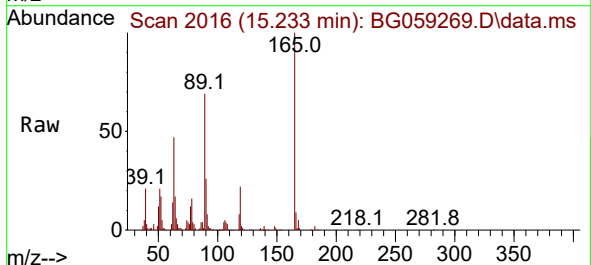
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

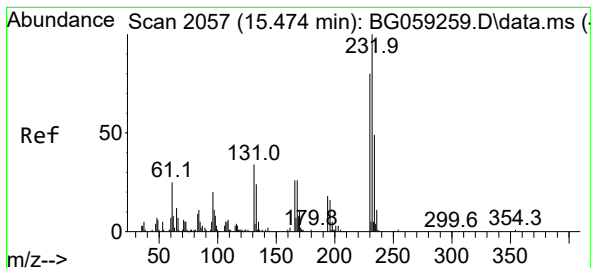
Tgt Ion:168 Resp: 538081
Ion Ratio Lower Upper
168 100
139 33.7 26.6 39.8



#57
2,4-Dinitrotoluene
Concen: 53.206 ng/ul
RT: 15.233 min Scan# 2016
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:165 Resp: 138147
Ion Ratio Lower Upper
165 100
63 46.9 43.5 65.3
182 1.7 1.8 2.6#

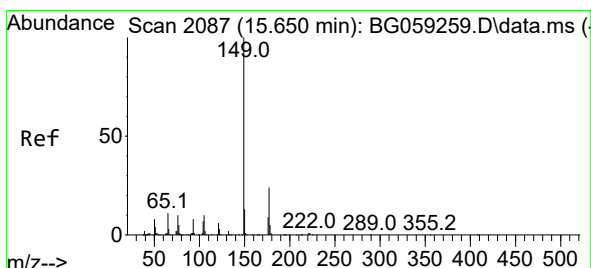
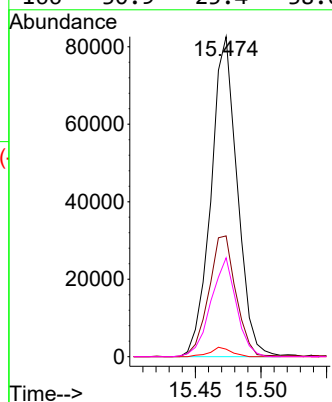
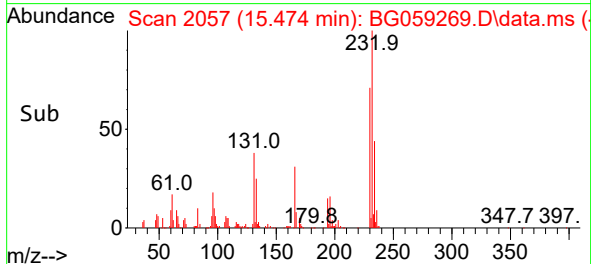
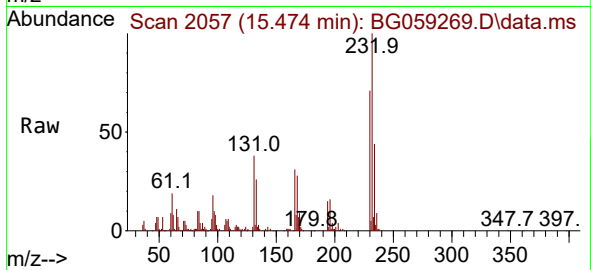




#58
2,3,4,6-Tetrachlorophenol
Concen: 47.383 ng/ul
RT: 15.474 min Scan# 2057
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

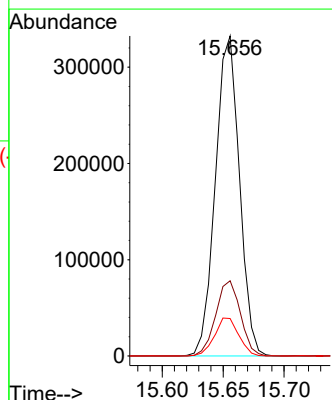
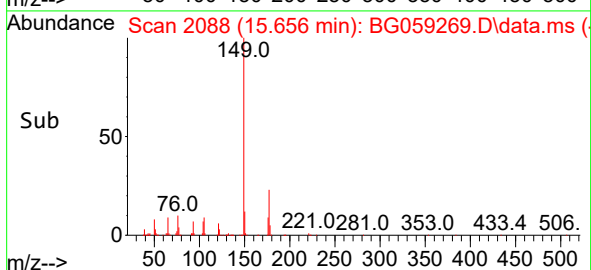
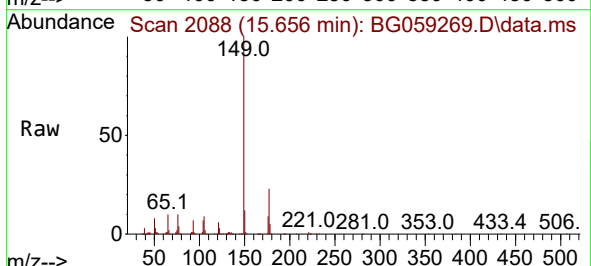
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

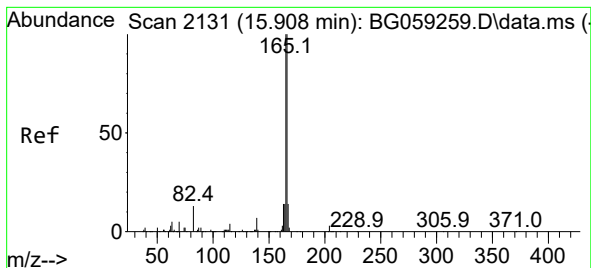
Tgt Ion:	232	Resp:	114861
Ion	Ratio	Lower	Upper
232	100		
131	37.8	33.9	50.9
130	2.4	1.5	2.3
166	30.9	25.4	38.0



#59
Diethylphthalate
Concen: 45.848 ng/ul
RT: 15.656 min Scan# 2088
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:	149	Resp:	456973
Ion	Ratio	Lower	Upper
149	100		
177	23.5	17.3	25.9
150	11.7	10.0	15.0





#61

Fluorene

Concen: 44.739 ng/ul

RT: 15.908 min Scan# 2131

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

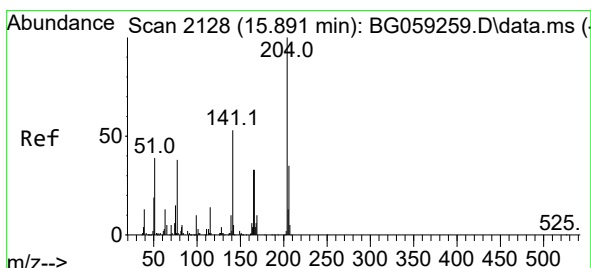
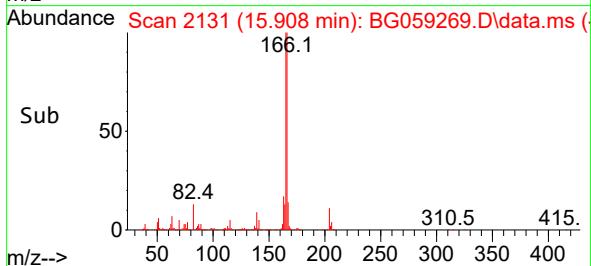
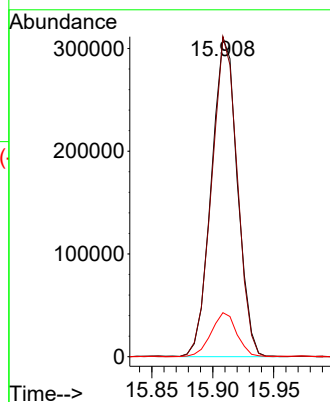
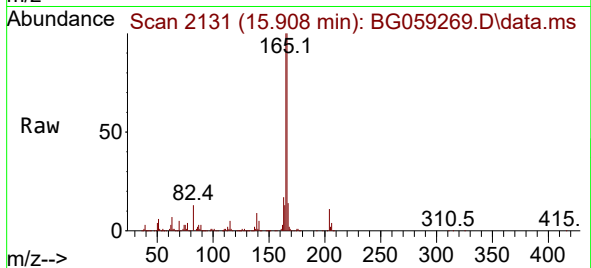
Tgt Ion:166 Resp: 460938

Ion Ratio Lower Upper

166 100

165 100.2 78.6 118.0

167 13.8 11.8 17.8



#62

4-Chlorophenyl-phenylether

Concen: 44.740 ng/ul

RT: 15.891 min Scan# 2128

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

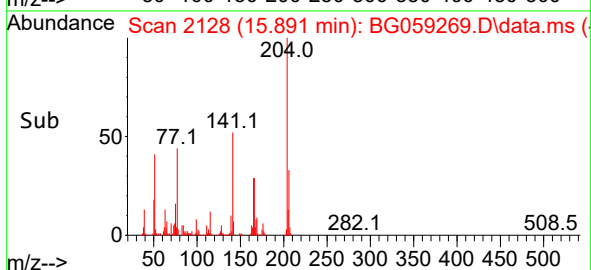
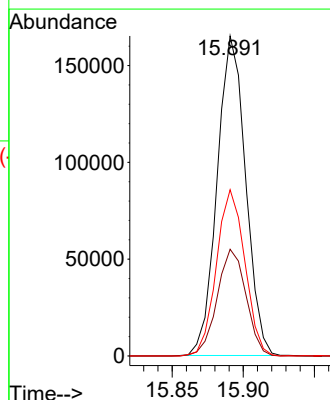
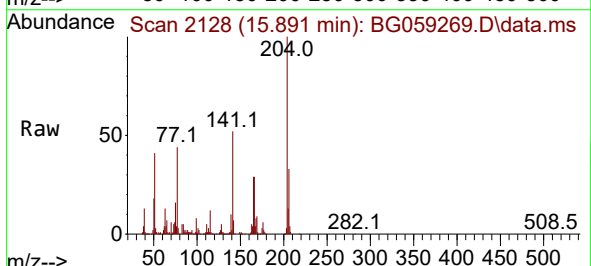
Tgt Ion:204 Resp: 229781

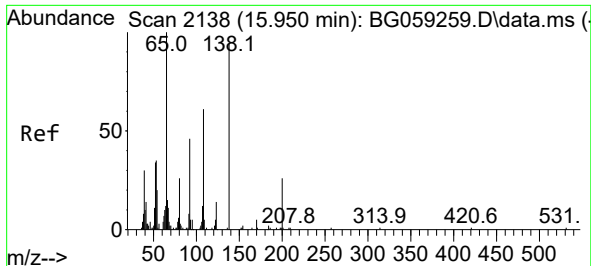
Ion Ratio Lower Upper

204 100

206 33.4 23.7 35.5

141 52.0 41.6 62.4

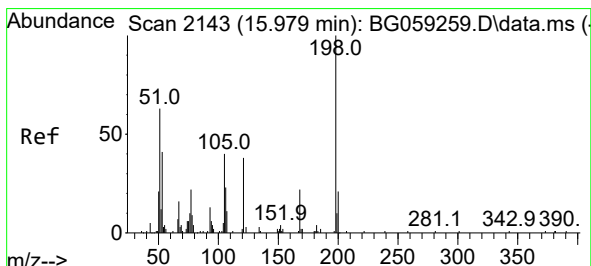
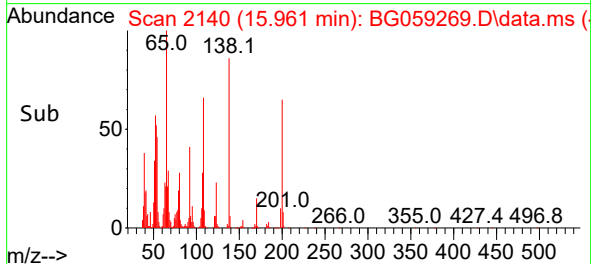
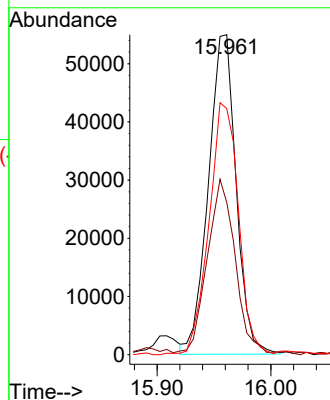
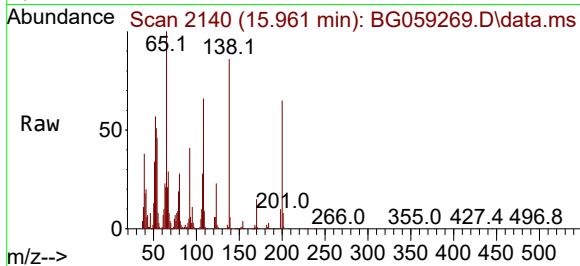




#63
4-Nitroaniline
Concen: 53.462 ng/ul
RT: 15.961 min Scan# 2138
Delta R.T. 0.004 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

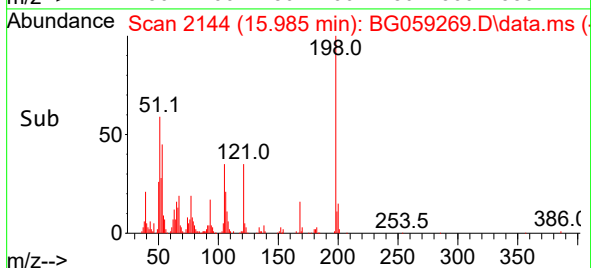
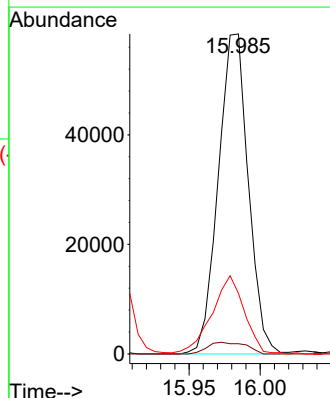
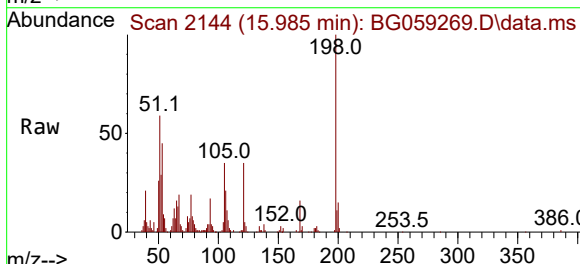
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

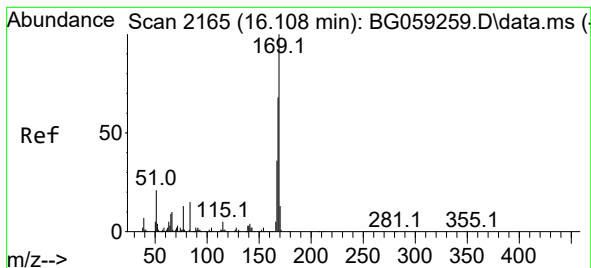
Tgt Ion:138 Resp: 93135
Ion Ratio Lower Upper
138 100
92 47.5 41.0 61.6
108 76.9 57.0 85.4



#66
4,6-Dinitro-2-methylphenol
Concen: 51.388 ng/ul
RT: 15.985 min Scan# 2144
Delta R.T. 0.004 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:198 Resp: 85853
Ion Ratio Lower Upper
198 100
182 3.2 4.4 6.6#
77 19.0 23.2 34.8#





#67

N-Nitrosodiphenylamine

Concen: 45.988 ng/ul

RT: 16.114 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

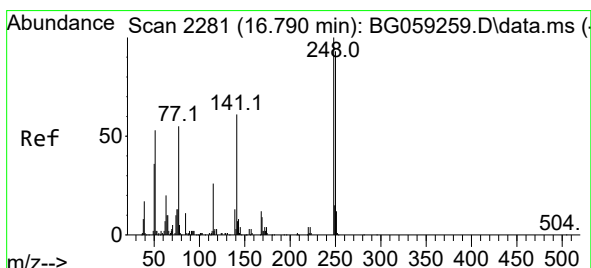
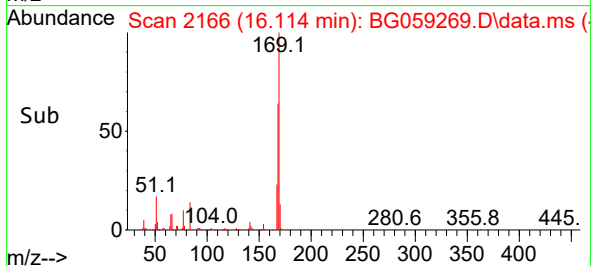
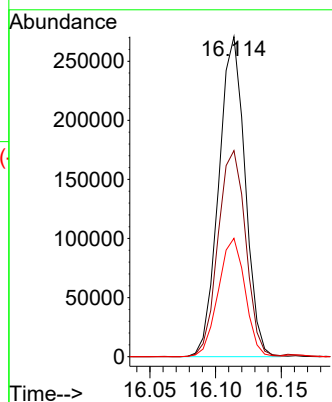
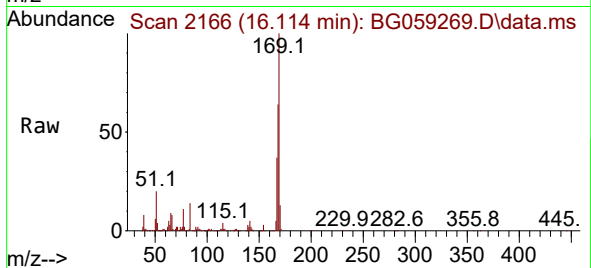
Tgt Ion:169 Resp: 377877

Ion Ratio Lower Upper

169 100

168 64.4 57.0 85.6

167 37.0 29.8 44.6



#68

4-Bromophenyl-phenylether

Concen: 47.105 ng/ul

RT: 16.790 min Scan# 2281

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

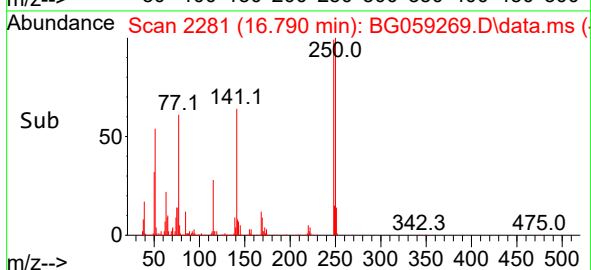
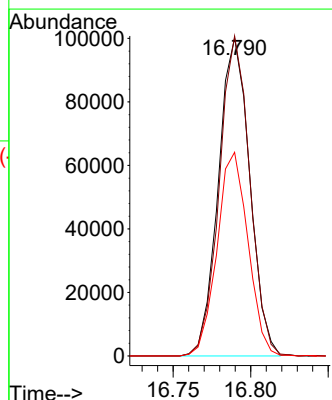
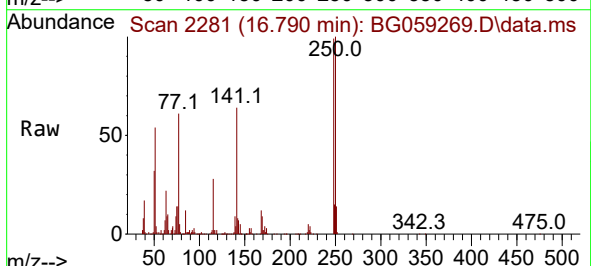
Tgt Ion:248 Resp: 140668

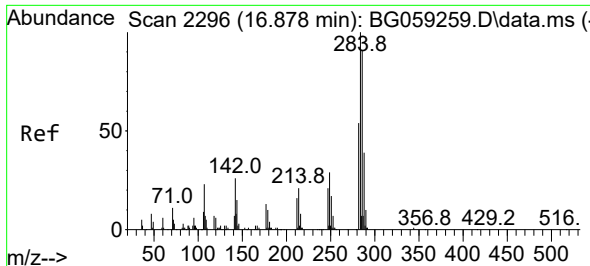
Ion Ratio Lower Upper

248 100

250 100.7 78.9 118.3

141 64.1 49.6 74.4

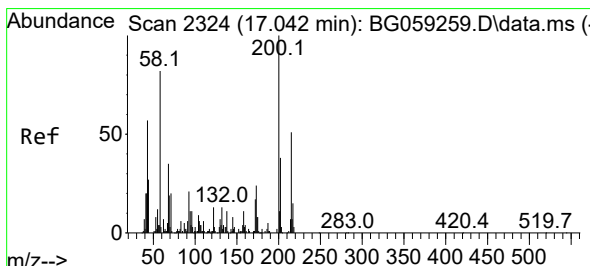
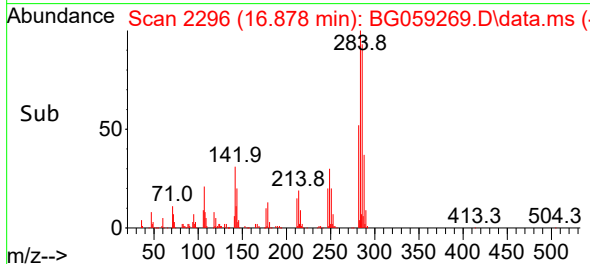
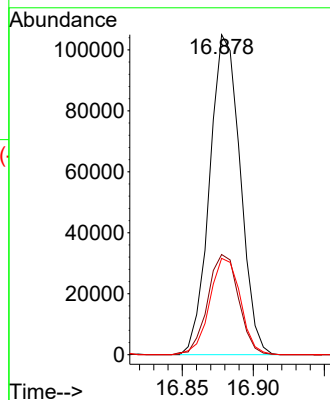
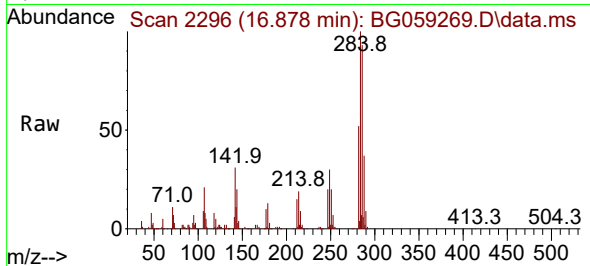




#69
Hexachlorobenzene
Concen: 46.491 ng/ul
RT: 16.878 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

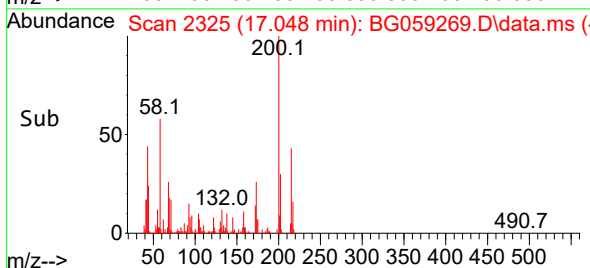
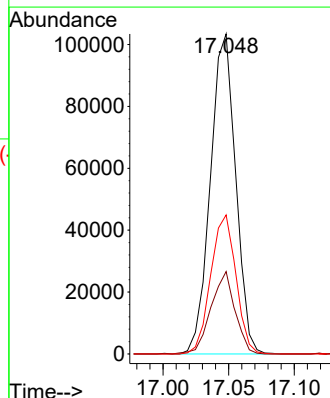
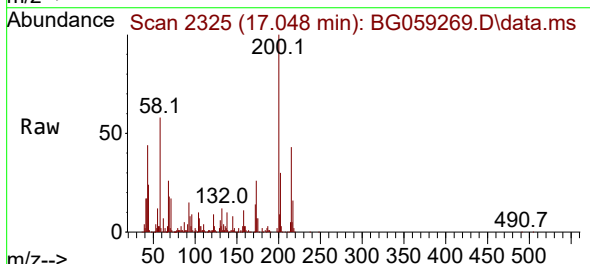
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

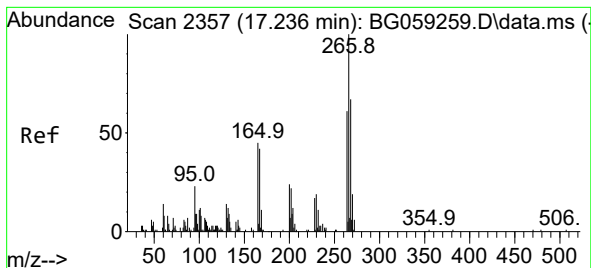
Tgt Ion:284 Resp: 156847
Ion Ratio Lower Upper
284 100
142 31.3 26.8 40.2
249 32.3 24.2 36.4



#70
Atrazine
Concen: 44.454 ng/ul
RT: 17.048 min Scan# 2325
Delta R.T. -0.002 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:200 Resp: 138891
Ion Ratio Lower Upper
200 100
173 25.8 17.4 26.0
215 43.4 35.8 53.6





#71

Pentachlorophenol

Concen: 46.996 ng/ul

RT: 17.236 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

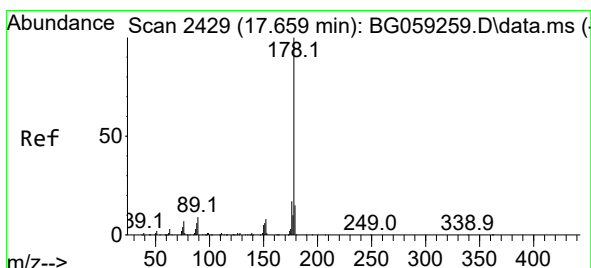
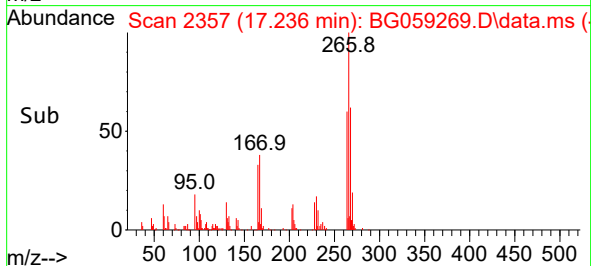
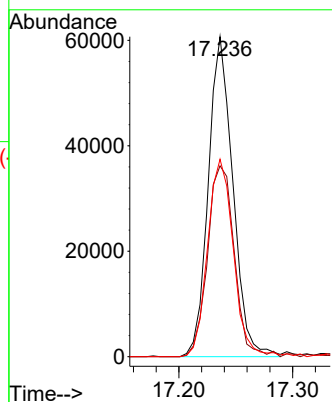
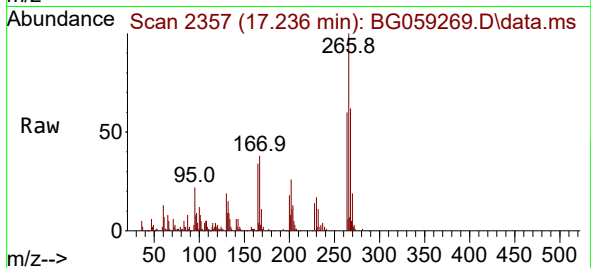
Tgt Ion:266 Resp: 91250

Ion Ratio Lower Upper

266 100

264 59.7 46.4 69.6

268 61.7 46.0 69.0



#72

Phenanthrene

Concen: 45.857 ng/ul

RT: 17.659 min Scan# 2429

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

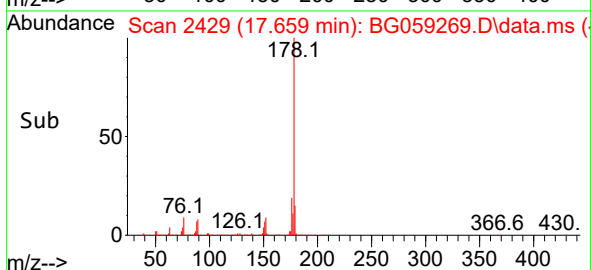
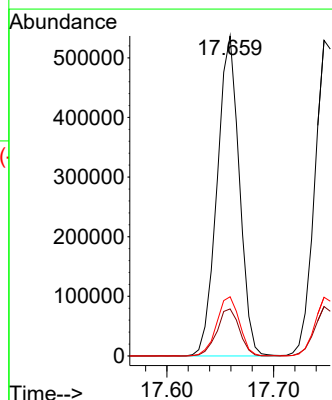
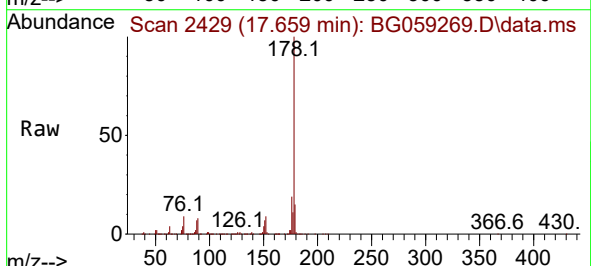
Tgt Ion:178 Resp: 775744

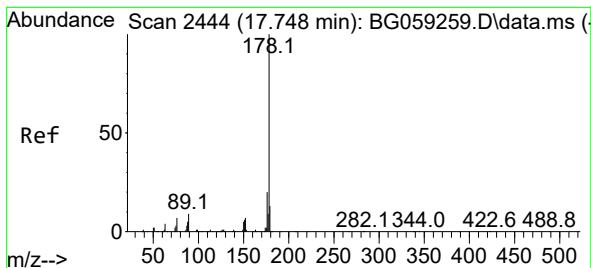
Ion Ratio Lower Upper

178 100

179 14.7 12.3 18.5

176 18.5 14.6 21.8





#74

Anthracene

Concen: 45.862 ng/u1

RT: 17.747 min Scan# 2444

Delta R.T. -0.008 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

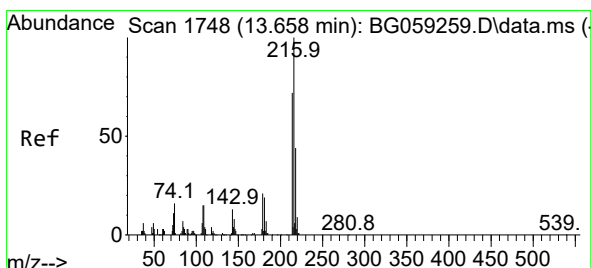
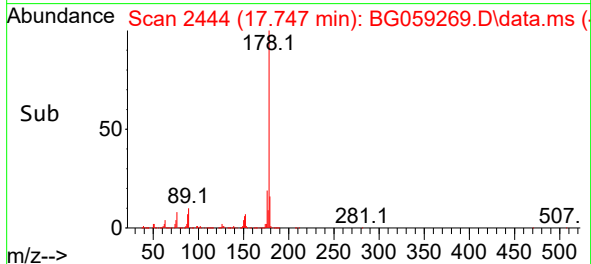
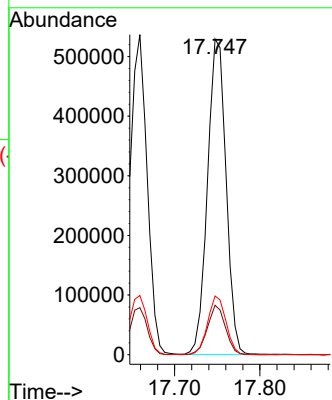
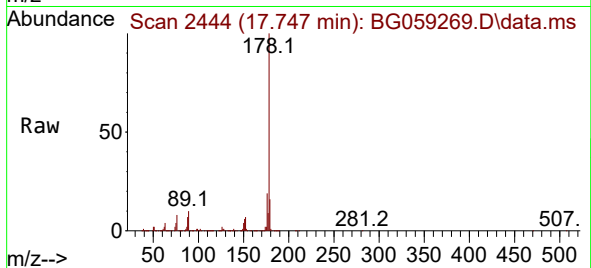
Tgt Ion:178 Resp: 801092

Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

176 18.6 14.5 21.7



#75

1,2,3,4-Tetrachlorobenzene

Concen: 40.657 ng/uL

RT: 13.664 min Scan# 1749

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

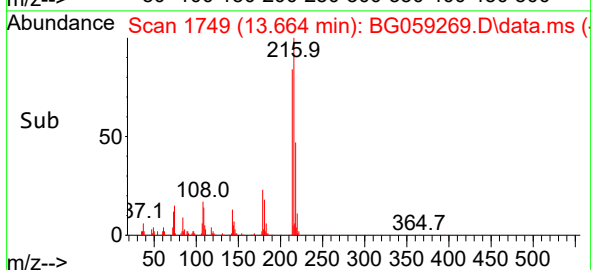
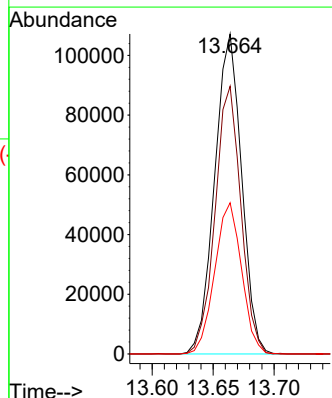
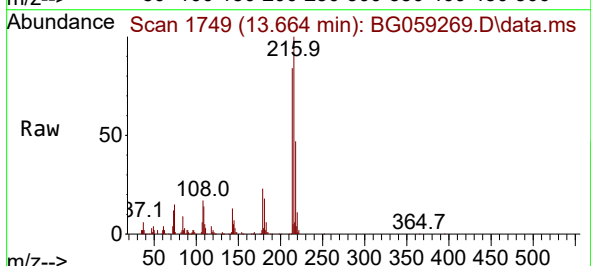
Tgt Ion:216 Resp: 165151

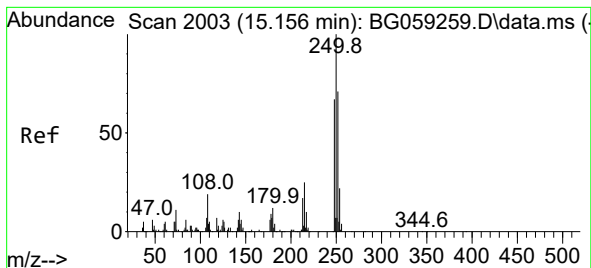
Ion Ratio Lower Upper

216 100

214 83.7 64.3 96.5

218 47.3 38.6 57.8





#76

Pentachlorobenzene

Concen: 42.491 ng/uL

RT: 15.156 min Scan# 2003

Delta R.T. -0.002 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

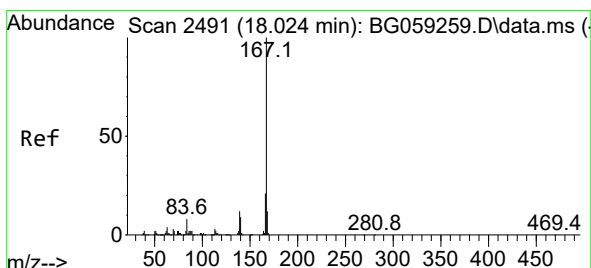
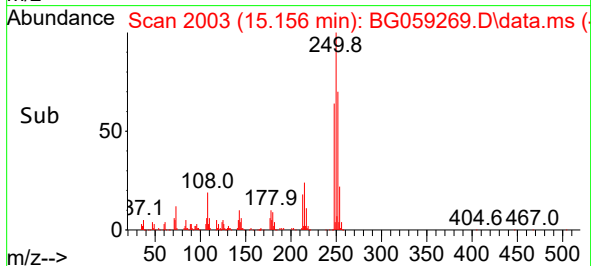
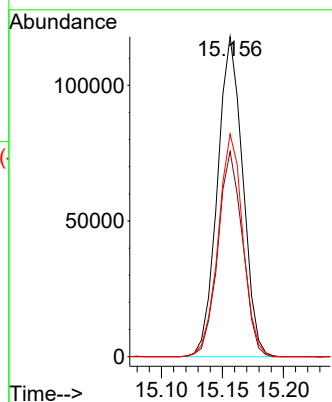
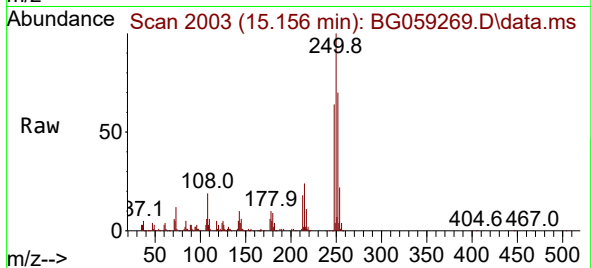
Tgt Ion:250 Resp: 170427

Ion Ratio Lower Upper

250 100

248 64.2 50.4 75.6

252 69.6 55.8 83.6



#77

Carbazole

Concen: 47.312 ng/uL

RT: 18.023 min Scan# 2491

Delta R.T. -0.008 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

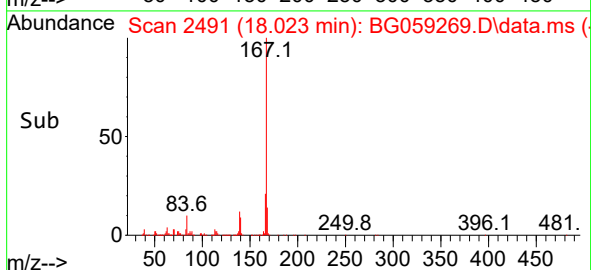
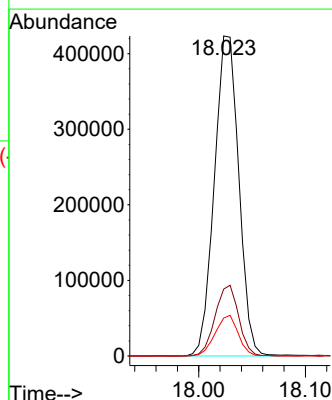
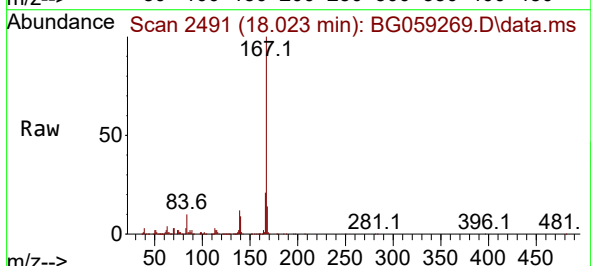
Tgt Ion:167 Resp: 673564

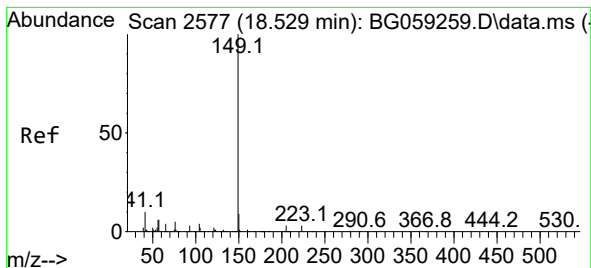
Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.0

139 11.8 9.0 13.4





#78

Di-n-butylphthalate

Concen: 48.027 ng/ul

RT: 18.529 min Scan# 2577

Delta R.T. -0.008 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

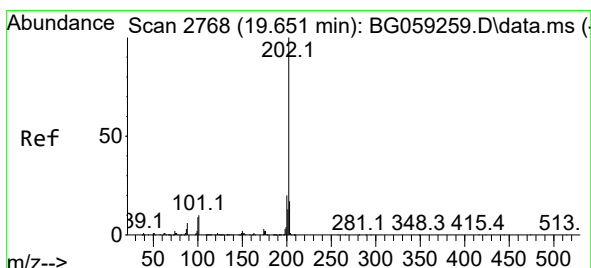
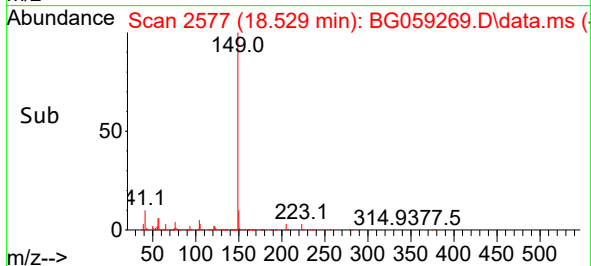
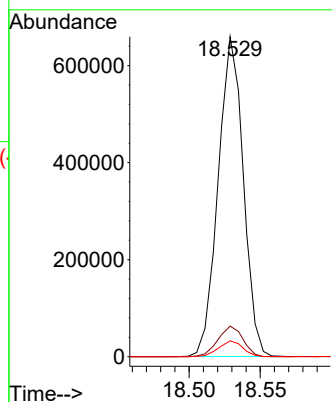
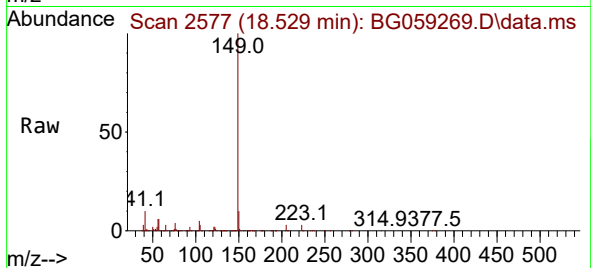
Tgt Ion:149 Resp: 810512

Ion Ratio Lower Upper

149 100

150 9.6 7.2 10.8

104 4.9 3.6 5.4



#80

Fluoranthene

Concen: 45.545 ng/ul

RT: 19.651 min Scan# 2768

Delta R.T. -0.008 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

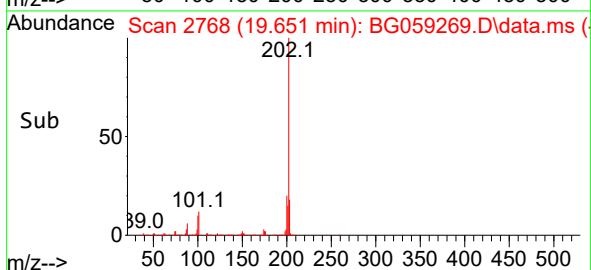
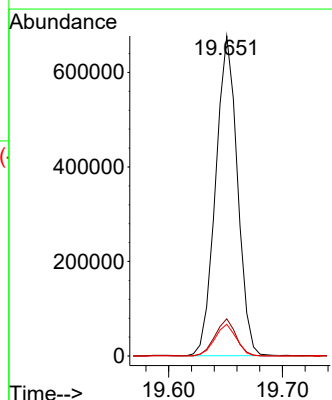
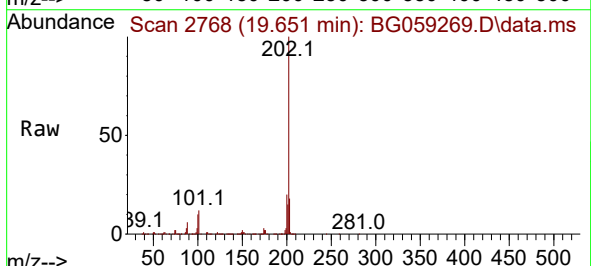
Tgt Ion:202 Resp: 901617

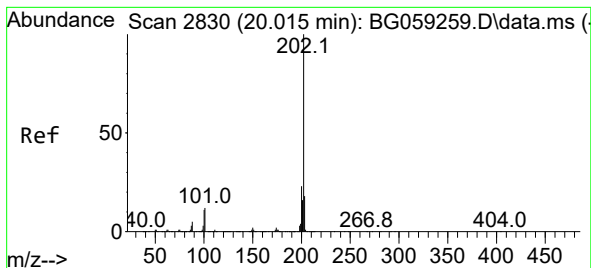
Ion Ratio Lower Upper

202 100

101 11.6 8.2 12.4

100 9.9 8.2 12.2





#82

Pyrene

Concen: 44.772 ng/ul

RT: 20.015 min Scan# 2830

Delta R.T. -0.008 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

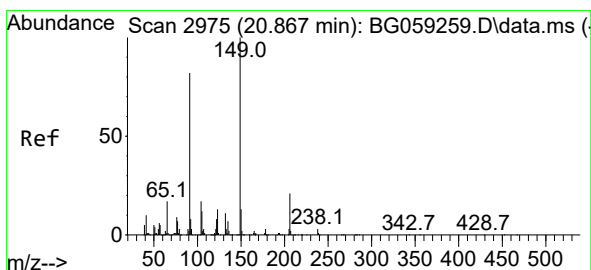
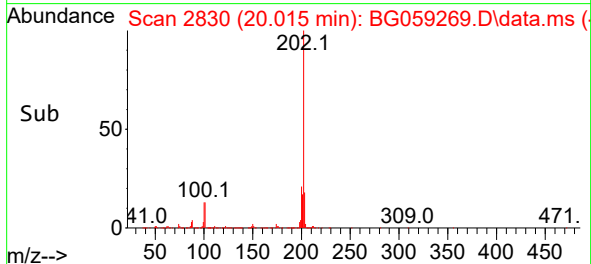
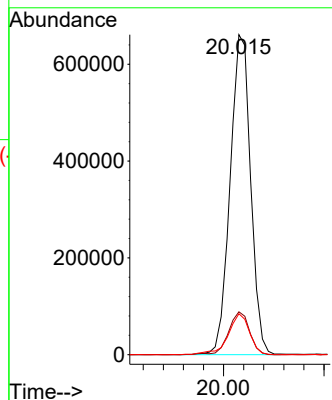
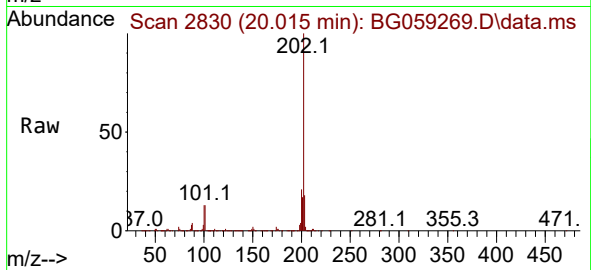
Tgt Ion:202 Resp: 938789

Ion Ratio Lower Upper

202 100

101 13.4 10.2 15.4

100 12.8 9.6 14.4



#83

Butylbenzylphthalate

Concen: 48.583 ng/ul

RT: 20.867 min Scan# 2975

Delta R.T. -0.008 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

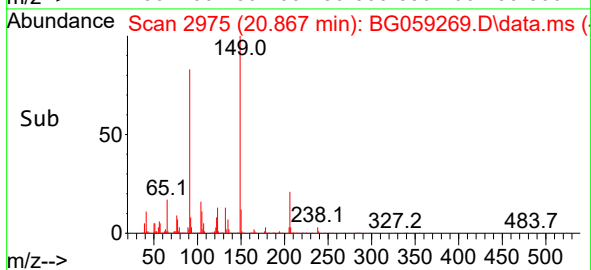
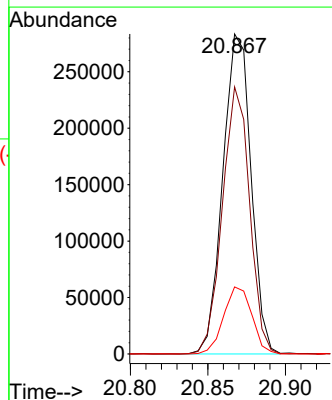
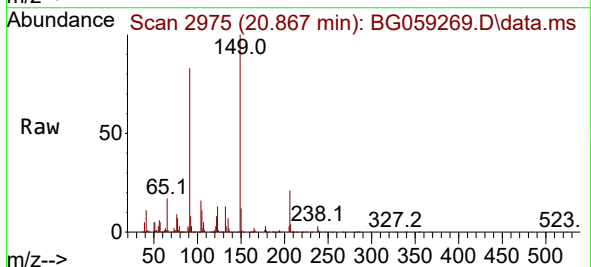
Tgt Ion:149 Resp: 359240

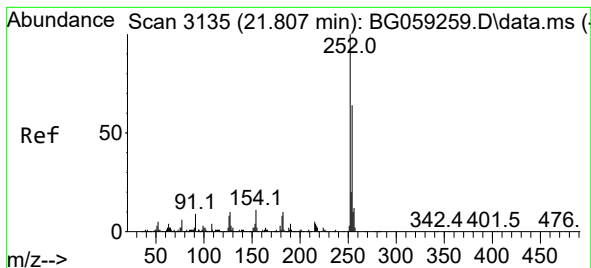
Ion Ratio Lower Upper

149 100

91 83.5 64.5 96.7

206 20.9 17.0 25.6





#84

3,3'-Dichlorobenzidine

Concen: 43.066 ng/ul

RT: 21.807 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

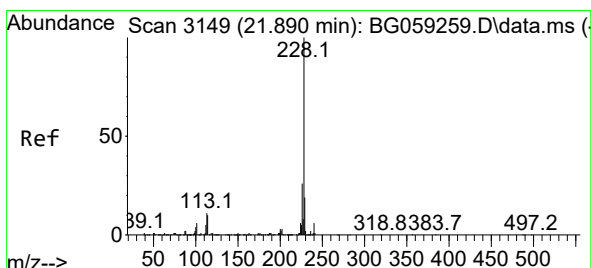
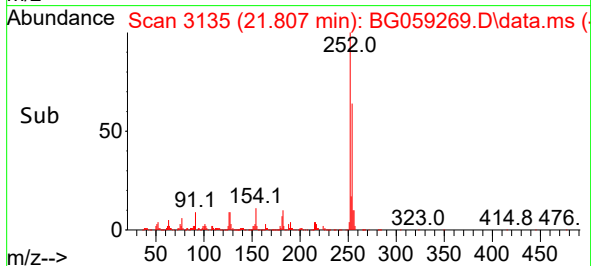
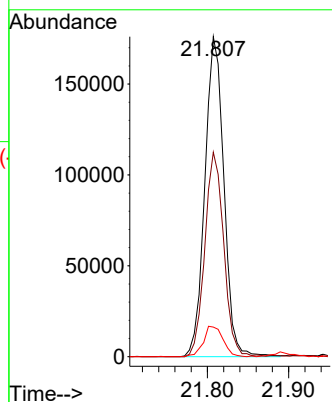
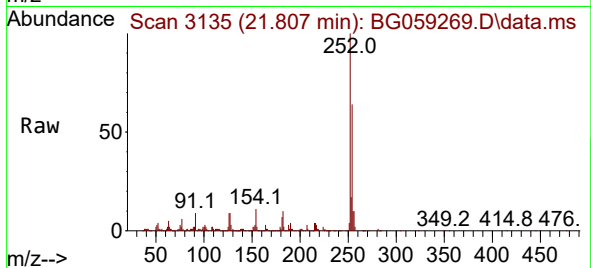
Tgt Ion:252 Resp: 286193

Ion Ratio Lower Upper

252 100

254 63.9 50.2 75.2

126 9.3 7.9 11.9



#85

Benzo(a)anthracene

Concen: 45.909 ng/ul

RT: 21.895 min Scan# 3150

Delta R.T. -0.008 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

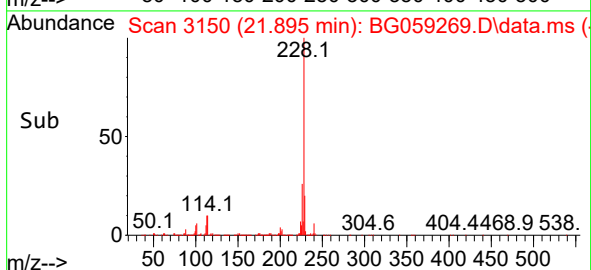
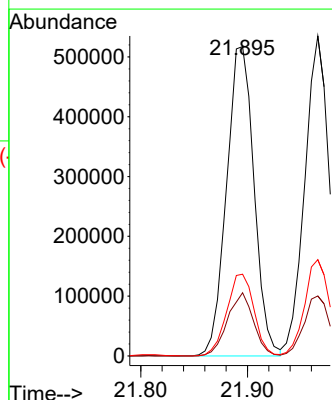
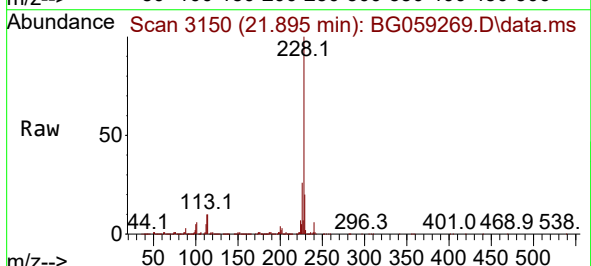
Tgt Ion:228 Resp: 927363

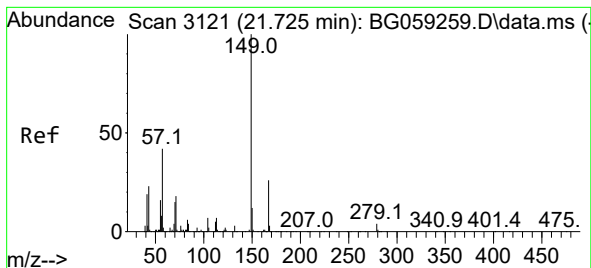
Ion Ratio Lower Upper

228 100

229 20.4 15.5 23.3

226 26.4 21.4 32.2

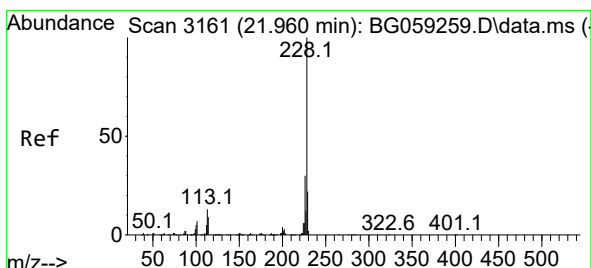
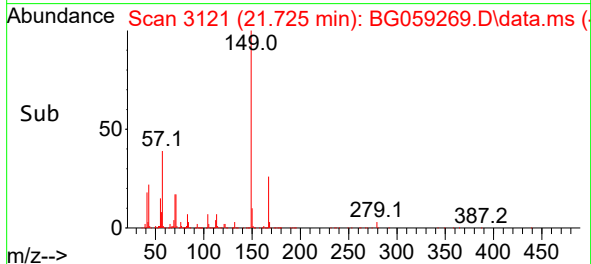
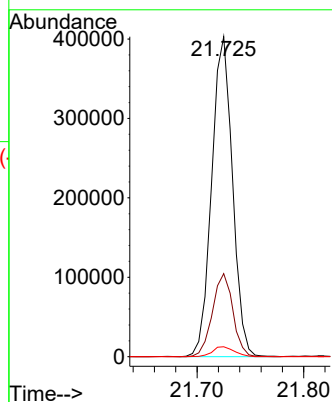
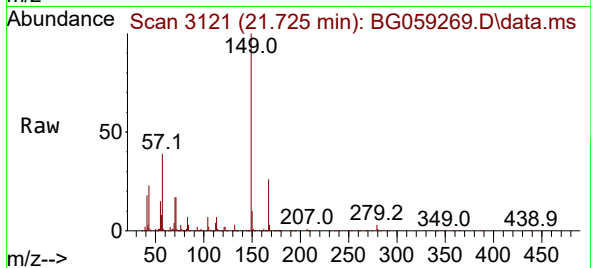




#86
Bis(2-ethylhexyl)phthalate
Concen: 48.517 ng/ul
RT: 21.725 min Scan# 3121
Delta R.T. -0.014 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

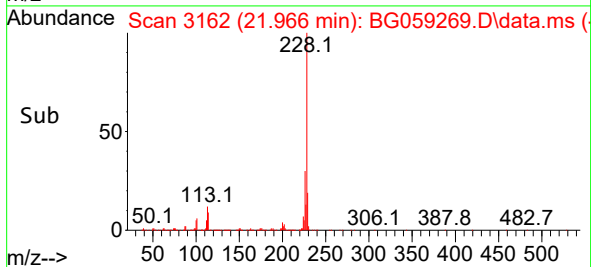
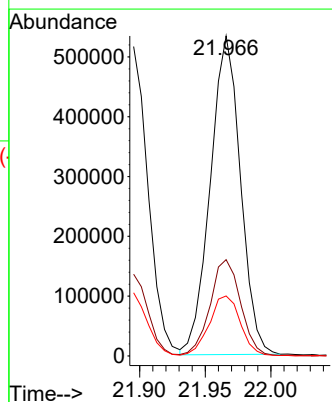
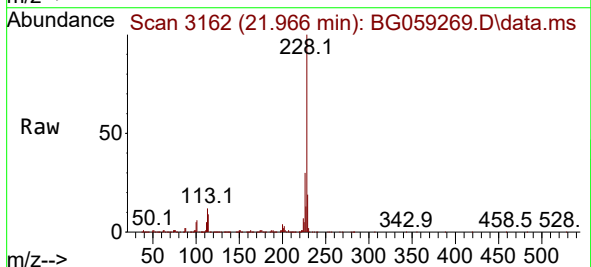
Instrument :
BNA_G
ClientSampleId :
BBJN2MSD

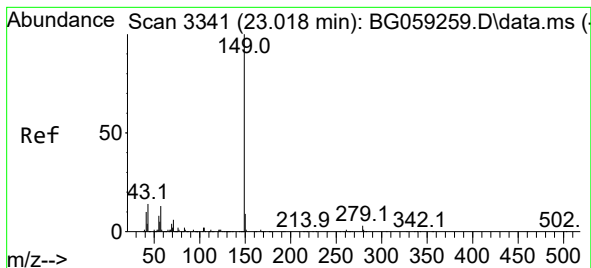
Tgt Ion:149 Resp: 544758
Ion Ratio Lower Upper
149 100
167 25.9 19.1 28.7
279 3.1 2.9 4.3



#87
Chrysene
Concen: 44.629 ng/ul
RT: 21.966 min Scan# 3162
Delta R.T. -0.008 min
Lab File: BG059269.D
Acq: 3 Oct 2023 17:54

Tgt Ion:228 Resp: 851440
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.4
229 18.7 16.2 24.2





#89

Di-n-octyl phthalate

Concen: 49.650 ng/ul

RT: 23.018 min Scan# 3341

Delta R.T. -0.014 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

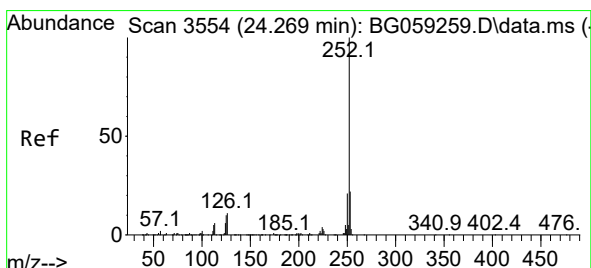
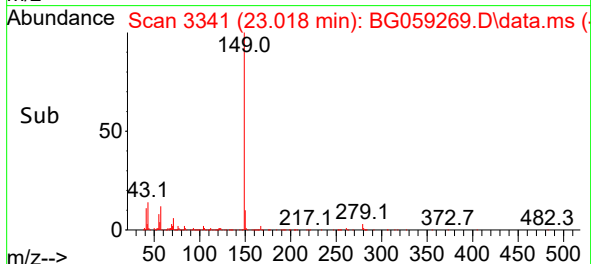
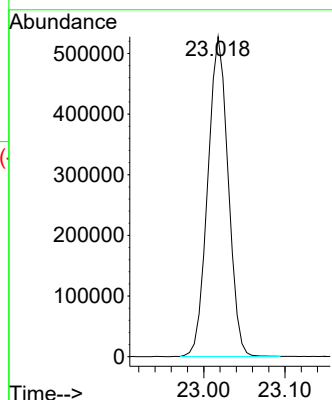
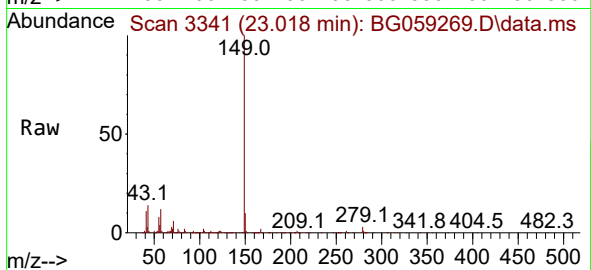
Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

Tgt Ion:149 Resp: 919408



#90

Benzo(b)fluoranthene

Concen: 47.995 ng/ul

RT: 24.269 min Scan# 3554

Delta R.T. -0.014 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

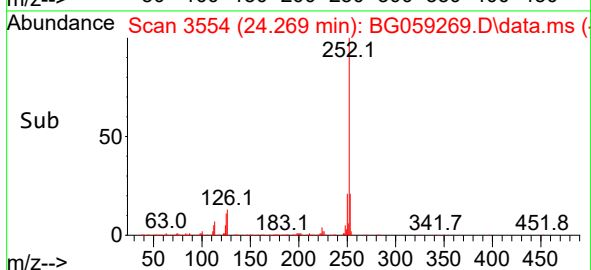
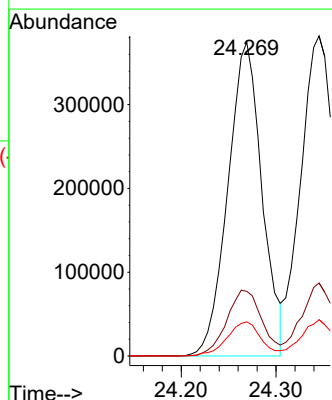
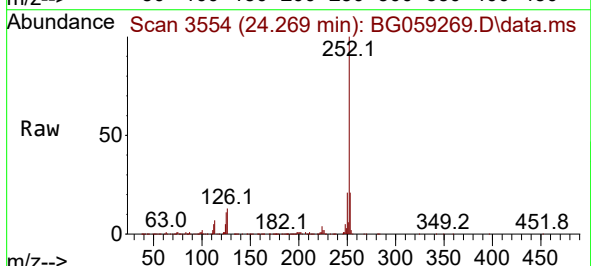
Tgt Ion:252 Resp: 935968

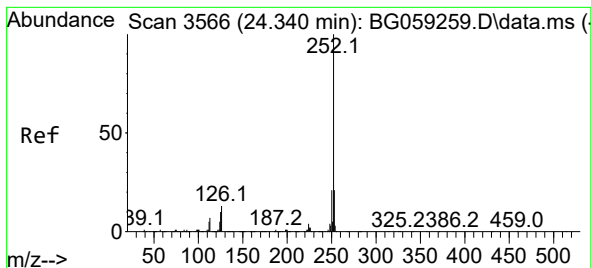
Ion Ratio Lower Upper

252 100

253 20.6 18.0 27.0

125 10.8 8.1 12.1





#91

Benzo(k)fluoranthene

Concen: 47.670 ng/ul

RT: 24.345 min Scan# 3

Delta R.T. -0.014 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

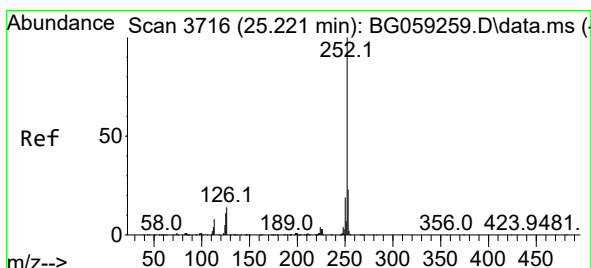
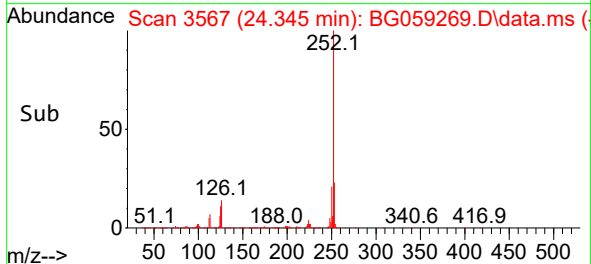
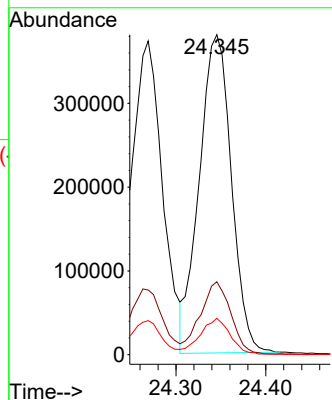
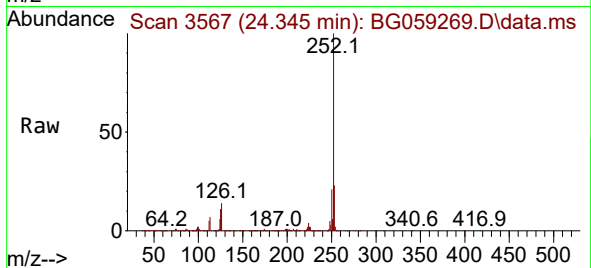
Tgt Ion:252 Resp: 941941

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.3 8.1 12.1



#93

Benzo(a)pyrene

Concen: 48.390 ng/ul

RT: 25.227 min Scan# 3717

Delta R.T. -0.014 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

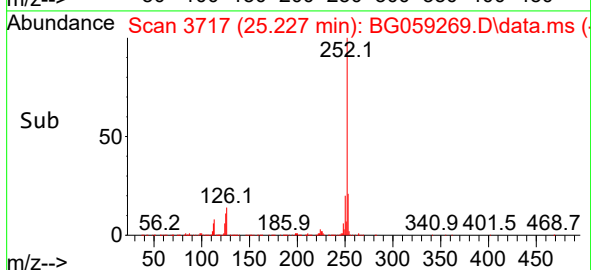
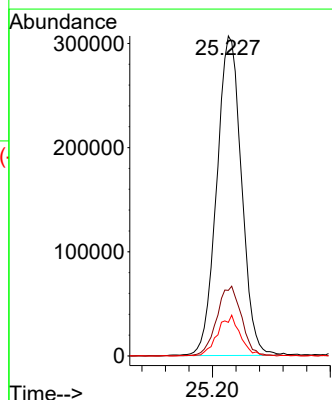
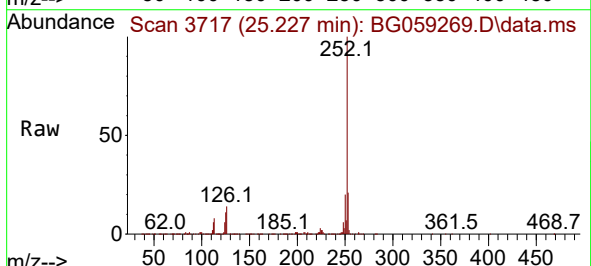
Tgt Ion:252 Resp: 895197

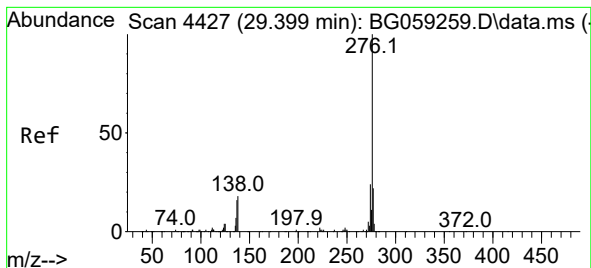
Ion Ratio Lower Upper

252 100

253 20.5 17.2 25.8

125 10.5 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 17.742 ng/ul

RT: 29.398 min Scan# 4427

Delta R.T. -0.037 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

Instrument :

BNA_G

ClientSampleId :

BBJN2MSD

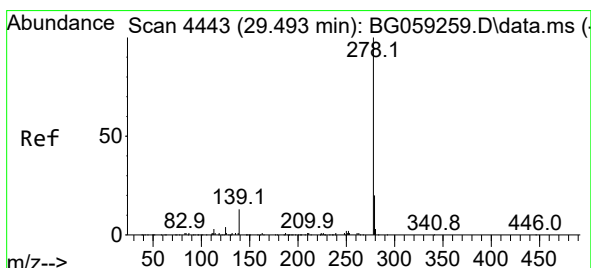
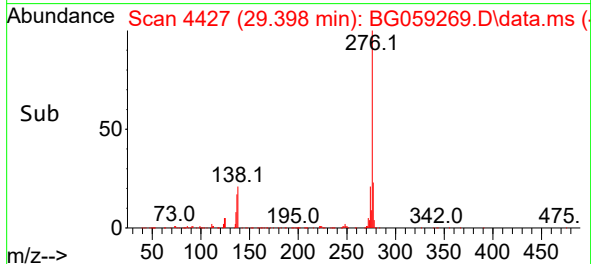
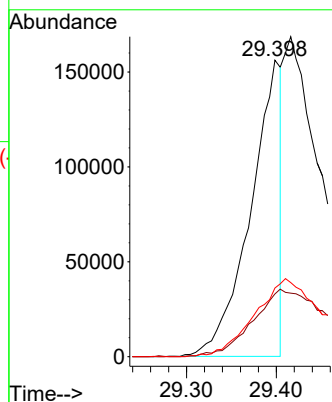
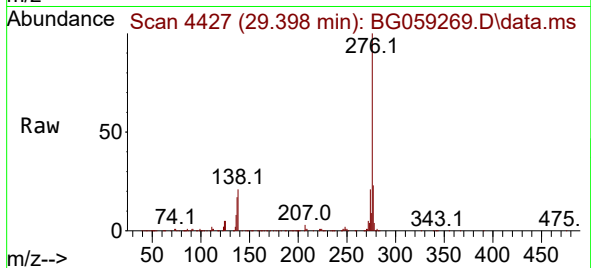
Tgt Ion:276 Resp: 371542

Ion Ratio Lower Upper

276 100

138 21.1 17.0 25.6

277 23.2 18.6 28.0



#95

Dibenzo(a,h)anthracene

Concen: 49.301 ng/ul

RT: 29.498 min Scan# 4444

Delta R.T. -0.014 min

Lab File: BG059269.D

Acq: 3 Oct 2023 17:54

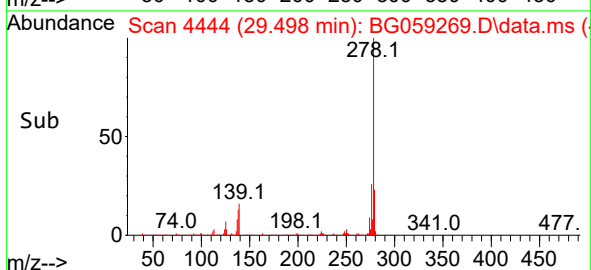
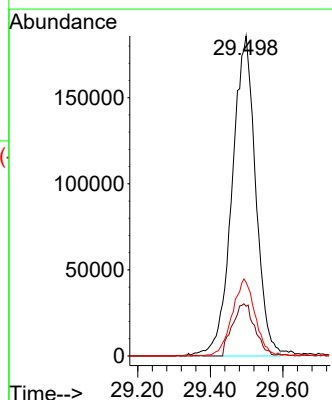
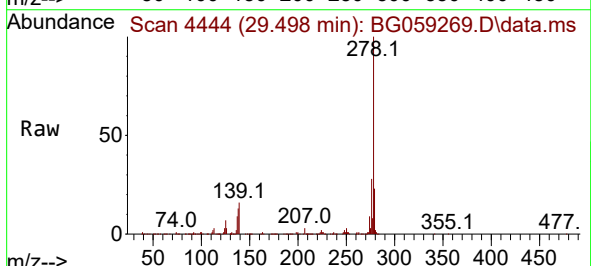
Tgt Ion:278 Resp: 839586

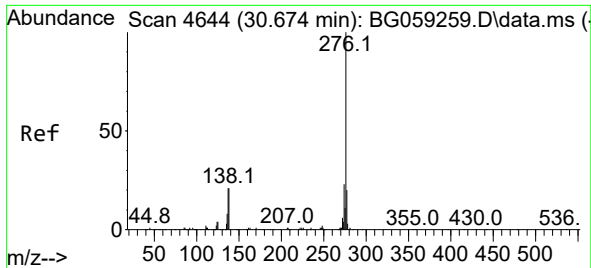
Ion Ratio Lower Upper

278 100

139 15.5 12.1 18.1

279 23.0 18.6 27.8





#96
 Benzo(g,h,i)perylene
 Concen: 47.958 ng/ul
 RT: 30.697 min Scan# 4
 Delta R.T. -0.014 min
 Lab File: BG059269.D
 Acq: 3 Oct 2023 17:54

Instrument :
 BNA_G
 ClientSampleId :
 BBJN2MSD

Tgt Ion:276 Resp: 816598
 Ion Ratio Lower Upper
 276 100
 138 24.3 16.6 25.0
 277 25.3 20.0 30.0

