

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
 Data File : BG057710.D
 Acq On : 14 Jun 2023 16:33
 Operator : CG/JU
 Sample : 03154-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-24051

Quant Time: Jun 15 01:22:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 03:52:08 2023
 Response via : Initial Calibration

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

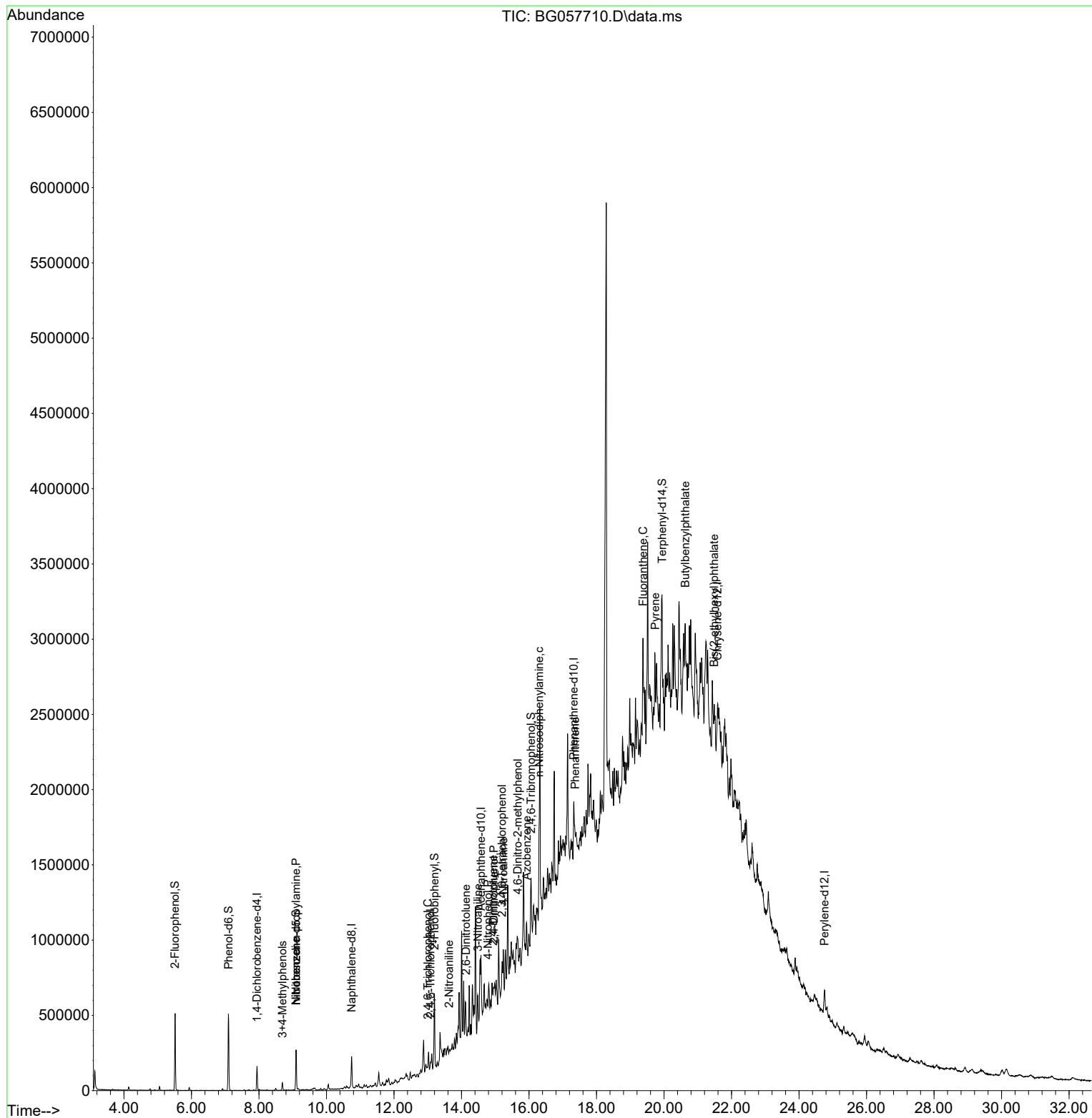
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	41876	20.000	ng	0.00
21) Naphthalene-d8	10.743	136	165776	20.000	ng	# 0.00
39) Acenaphthene-d10	14.574	164	91701	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	165357	20.000	ng	# 0.00
76) Chrysene-d12	21.583	240	125133	20.000	ng	0.01
86) Perylene-d12	24.756	264	182463	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.514	112	203384	79.083	ng	0.00
7) Phenol-d6	7.095	99	277824	70.320	ng	0.00
23) Nitrobenzene-d5	9.098	82	146265	59.938	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	67025	65.514	ng	0.00
45) 2-Fluorobiphenyl	13.199	172	245014	39.827	ng	0.00
79) Terphenyl-d14	19.944	244	230597	34.071	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.098	70	19666	6.884	ng	# 77
20) 3+4-Methylphenols	8.693	107	22882	5.891	ng	95
24) Nitrobenzene	9.098	77	489	5.223	ng	# 35
43) 2,4,6-Trichlorophenol	13.005	196	56	3.364	ng	# 13
44) 2,4,5-Trichlorophenol	13.082	196	71	3.353	ng	# 1
48) 2-Nitroaniline	13.628	65	595	4.666	ng	# 69
51) 2,6-Dinitrotoluene	14.133	165	5718	10.970	ng	# 32
53) 3-Nitroaniline	14.486	138	6845	10.281	ng	# 14
54) 2,4-Dinitrophenol	14.956	184	904	2.934	ng	# 1
56) 4-Nitrophenol	14.786	139	1076	5.462	ng	# 1
57) 2,4-Dinitrotoluene	14.938	165	824	4.899	ng	# 42
59) 2,3,4,6-Tetrachlorophenol	15.203	232	404	3.437	ng	# 1
62) 4-Nitroaniline	15.238	138	5601	8.513	ng	90
63) Azobenzene	15.931	77	18251	2.446	ng	# 24
65) 4,6-Dinitro-2-methylph...	15.667	198	2615	12.220	ng	# 1
66) n-Nitrosodiphenylamine	16.301	169	41866	9.685	ng	87
71) Phenanthrene	17.365	178	37003	4.586	ng	# 67
75) Fluoranthene	19.380	202	26027	2.678	ng	71
78) Pyrene	19.739	202	24060	2.702	ng	# 77
80) Butylbenzylphthalate	20.632	149	657	4.292	ng	# 63
84) Bis(2-ethylhexyl)phtha...	21.484	149	22958	5.234	ng	# 80

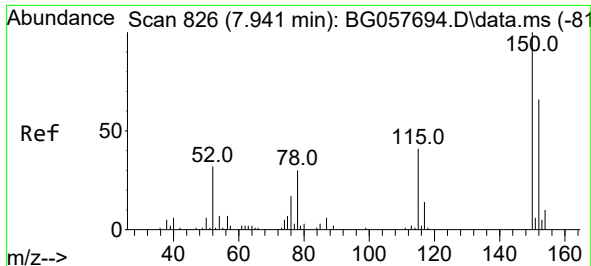
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 15 01:22:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 14 03:52:08 2023
Response via : Initial Calibration

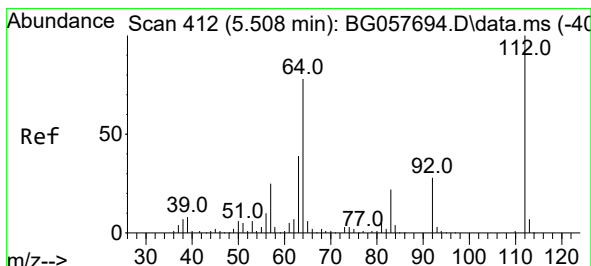
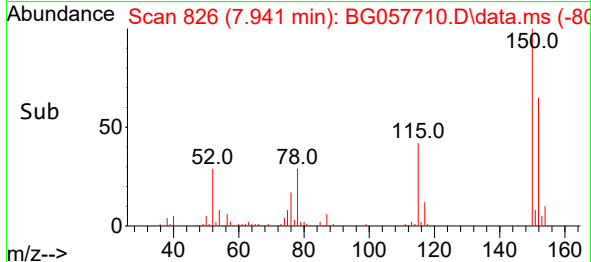
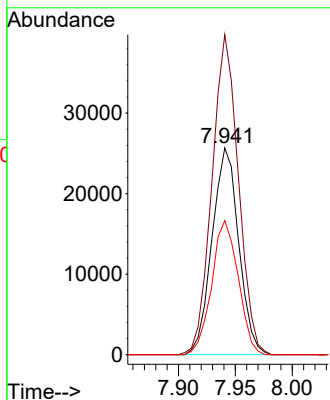
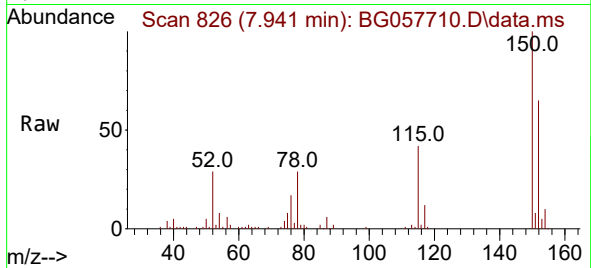




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

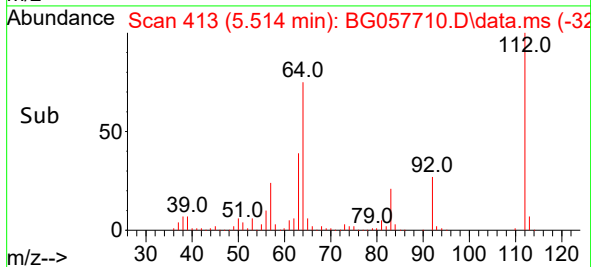
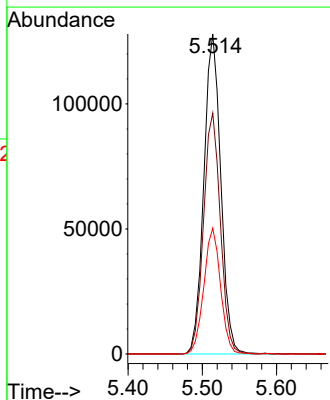
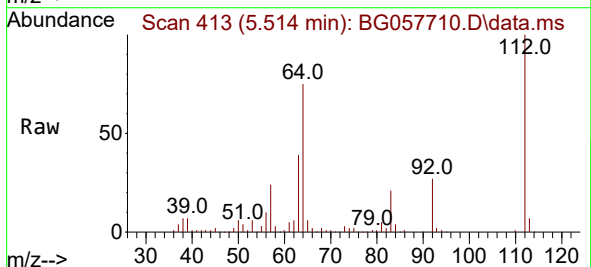
Instrument :
BNA_G
ClientSampleId :
CHRT-24051

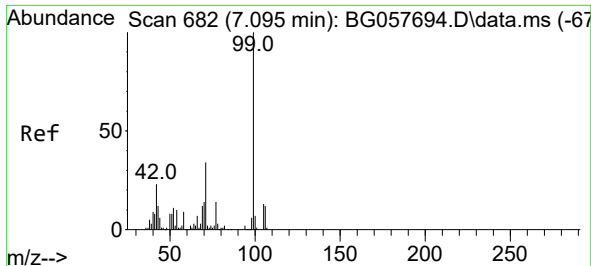
Tgt Ion:152 Resp: 41876
Ion Ratio Lower Upper
152 100
150 154.8 120.8 181.2
115 64.8 49.4 74.2



#5
2-Fluorophenol
Concen: 79.083 ng
RT: 5.514 min Scan# 413
Delta R.T. 0.006 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion:112 Resp: 203384
Ion Ratio Lower Upper
112 100
64 75.3 62.3 93.5
63 39.3 31.5 47.3

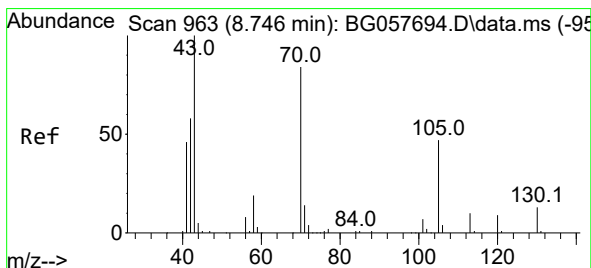
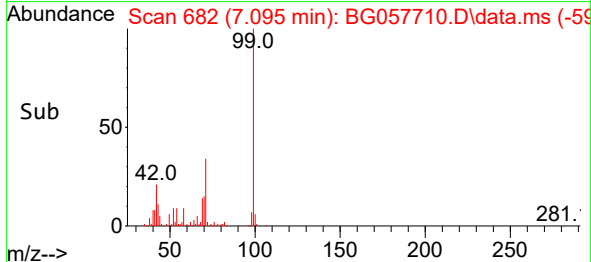
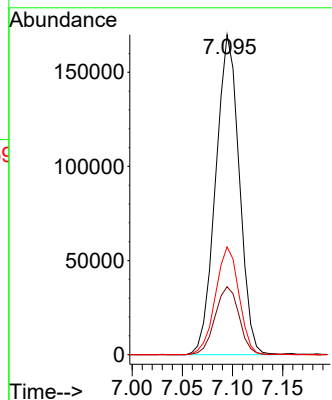
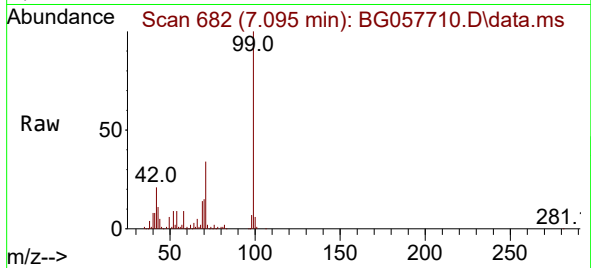




#7
Phenol-d6
Concen: 70.320 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

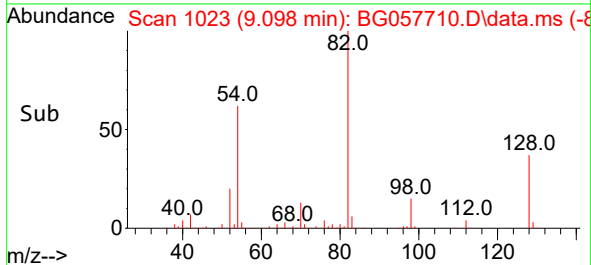
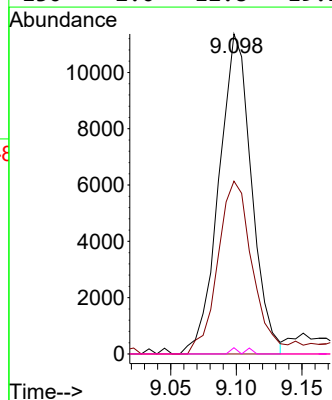
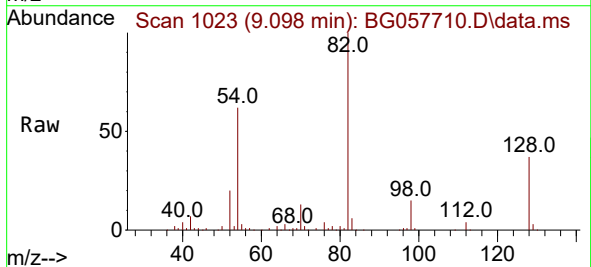
Instrument :
BNA_G
ClientSampleId :
CHRT-24051

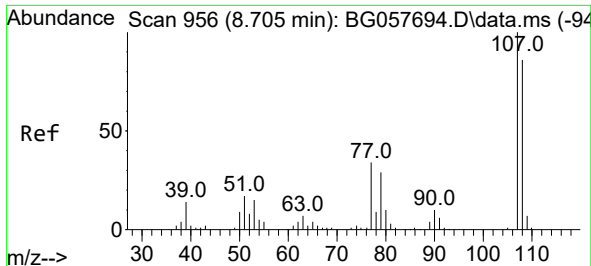
Tgt Ion: 99 Resp: 277824
Ion Ratio Lower Upper
99 100
42 21.2 18.3 27.5
71 33.7 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.884 ng
RT: 9.098 min Scan# 1023
Delta R.T. 0.352 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion: 70 Resp: 19666
Ion Ratio Lower Upper
70 100
42 54.0 56.6 84.8#
101 0.0 6.2 9.4#
130 2.0 12.8 19.2#

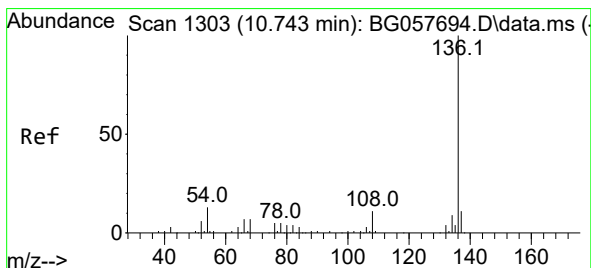
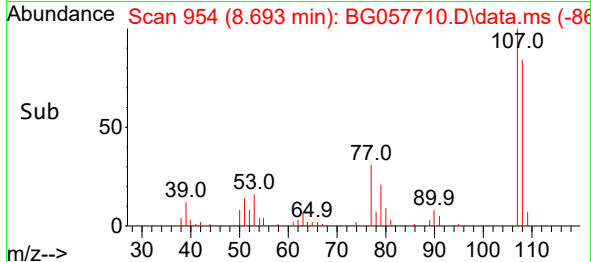
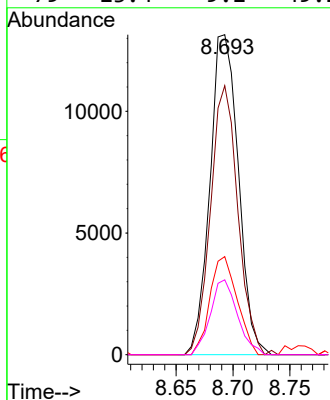
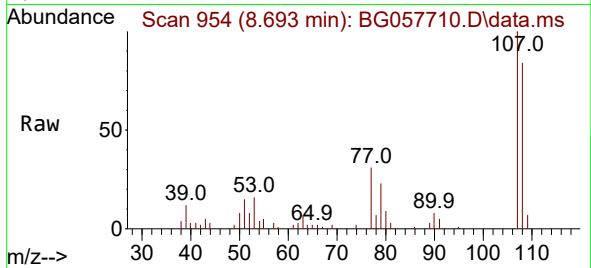




#20
3+4-Methylphenols
Concen: 5.891 ng
RT: 8.693 min Scan# 91
Delta R.T. -0.012 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

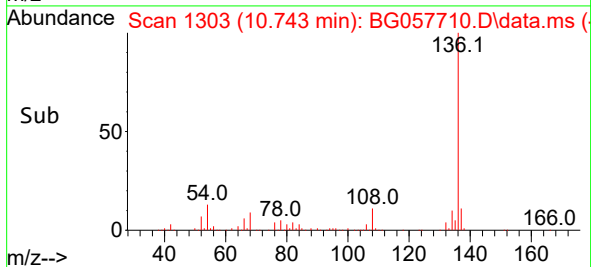
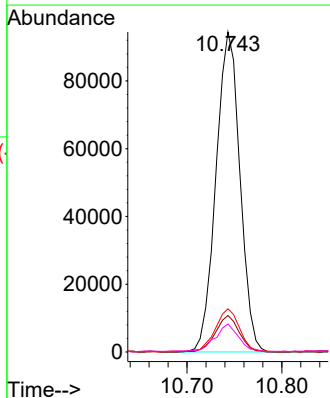
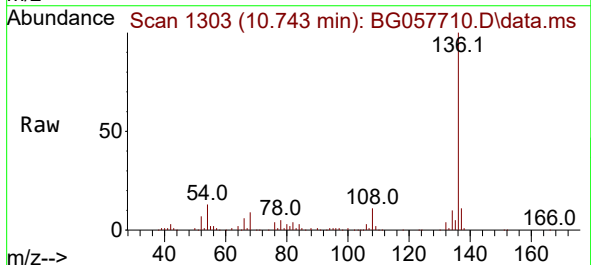
Instrument :
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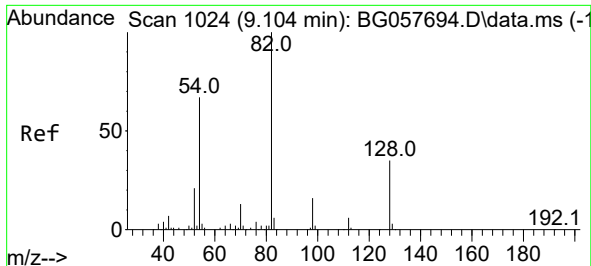
Tgt Ion:107 Resp: 22882
Ion Ratio Lower Upper
107 100
108 84.1 66.3 106.3
77 30.7 13.9 53.9
79 23.4 9.2 49.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion:136 Resp: 165776
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 13.5 10.8 16.2
68 8.7 5.7 8.5#

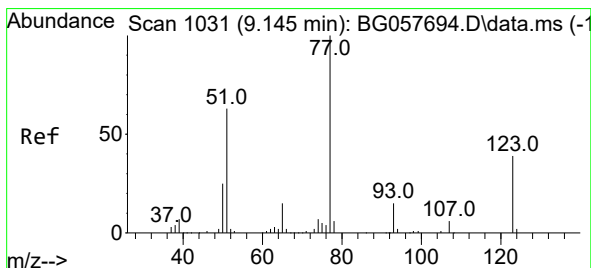
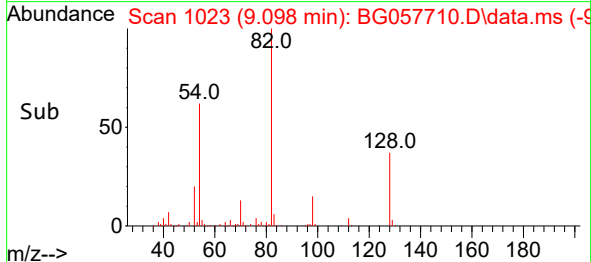
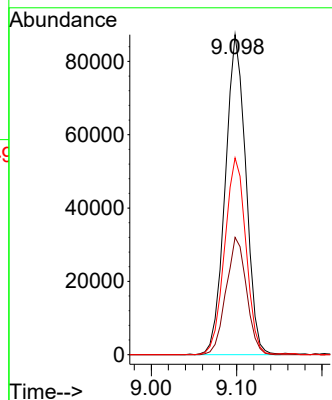
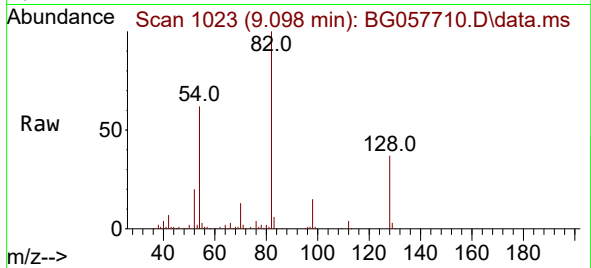




#23
Nitrobenzene-d5
Concen: 59.938 ng
RT: 9.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

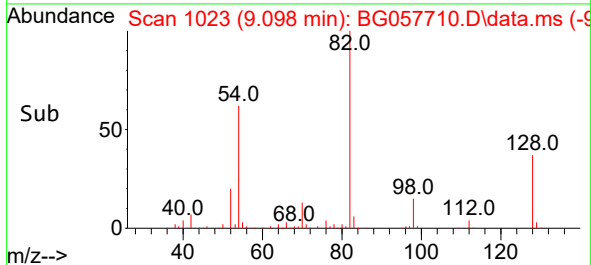
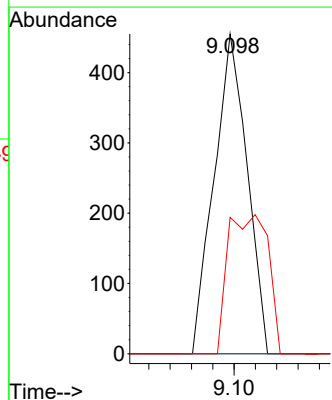
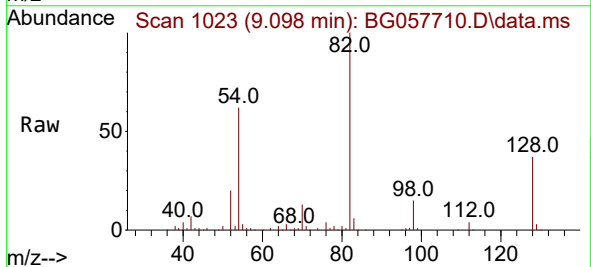
Instrument :
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ClientSampleId :
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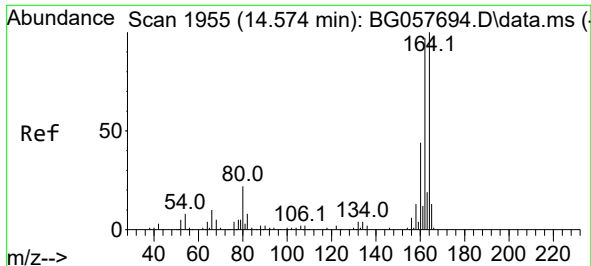
Tgt Ion: 82 Resp: 146265
Ion Ratio Lower Upper
82 100
128 36.6 27.7 41.5
54 61.5 53.8 80.8



#24
Nitrobenzene
Concen: 5.223 ng
RT: 9.098 min Scan# 1023
Delta R.T. -0.047 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion: 77 Resp: 489
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 42.6 11.6 17.4#

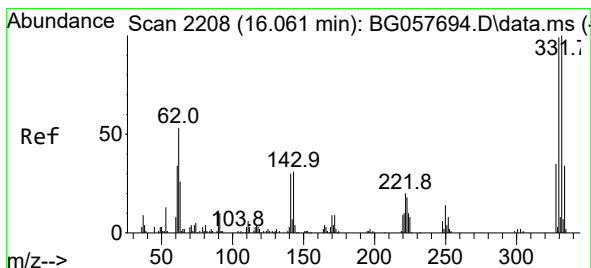
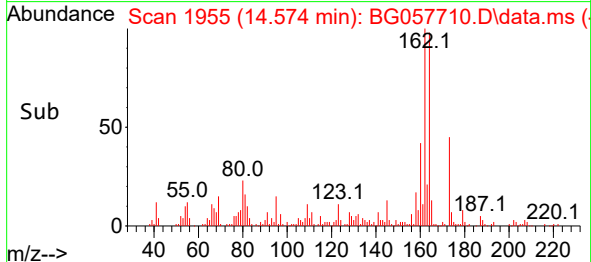
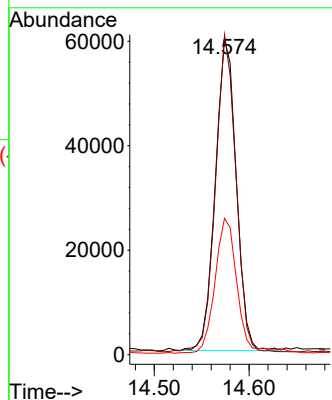
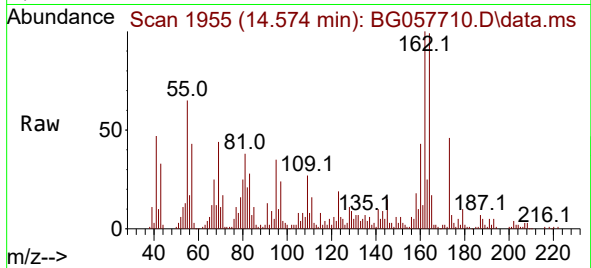




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.574 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

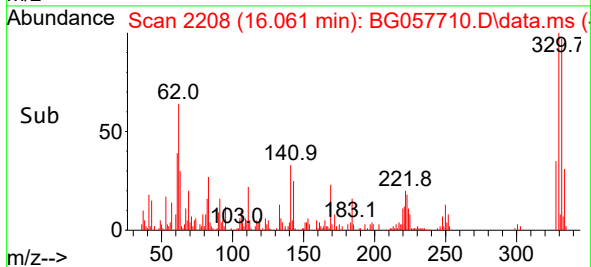
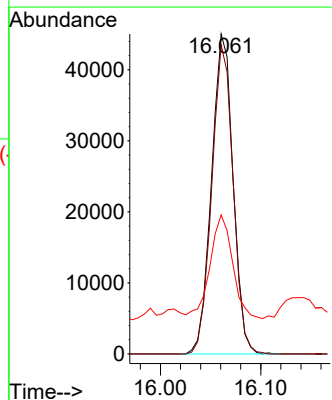
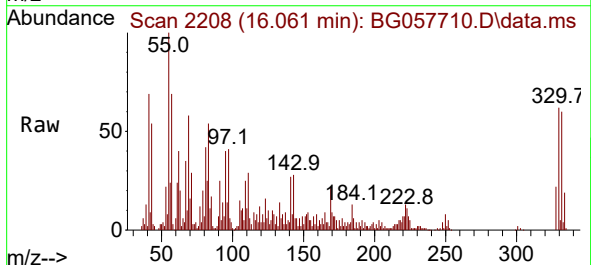
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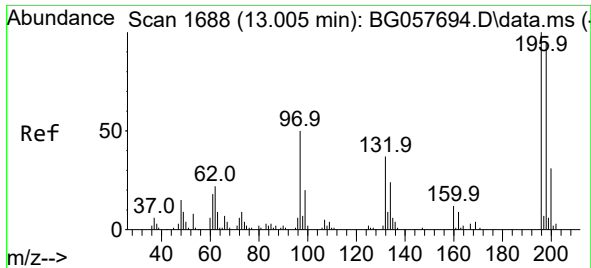
Tgt Ion:164 Resp: 91701
Ion Ratio Lower Upper
164 100
162 101.3 77.7 116.5
160 43.2 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 65.514 ng
RT: 16.061 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion:330 Resp: 67025
Ion Ratio Lower Upper
330 100
332 95.9 79.0 118.6
141 33.8 25.0 37.6

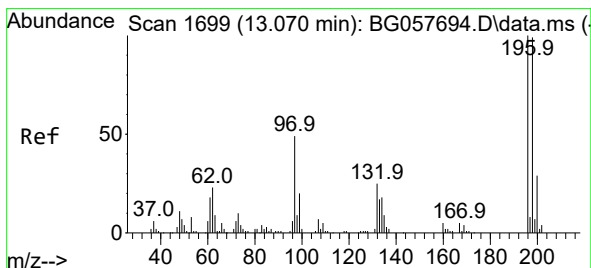
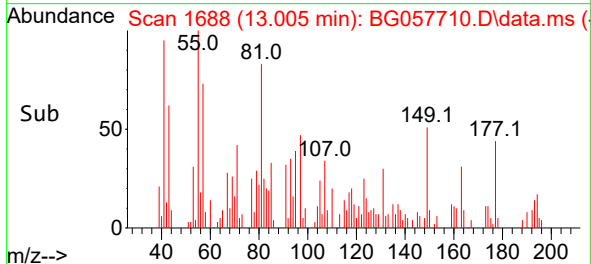
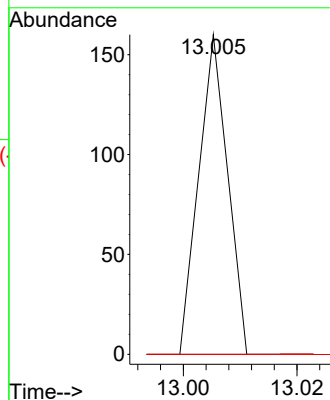
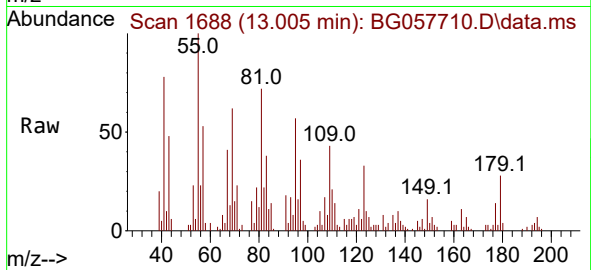




#43
 2,4,6-Trichlorophenol
 Concen: 3.364 ng
 RT: 13.005 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: BG057710.D
 Acq: 14 Jun 2023 16:33

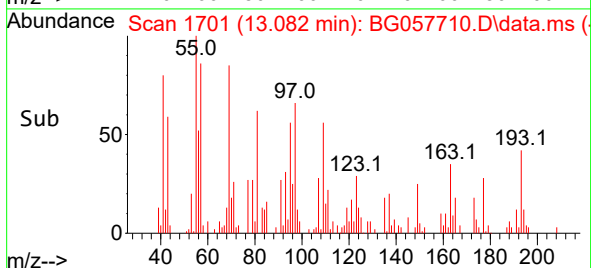
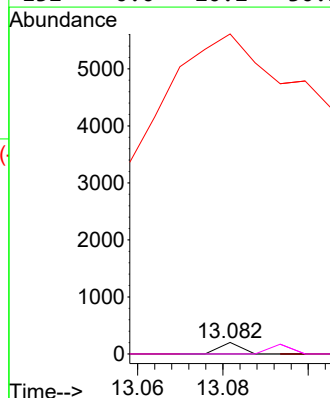
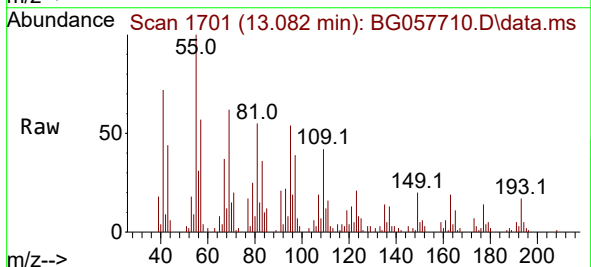
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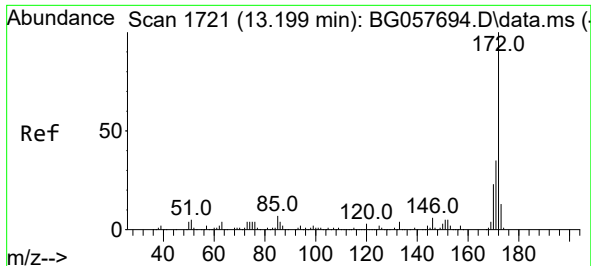
Tgt Ion:196 Resp: 56
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.8 113.6#
 200 0.0 24.6 37.0#



#44
 2,4,5-Trichlorophenol
 Concen: 3.353 ng
 RT: 13.082 min Scan# 1701
 Delta R.T. 0.012 min
 Lab File: BG057710.D
 Acq: 14 Jun 2023 16:33

Tgt Ion:196 Resp: 71
 Ion Ratio Lower Upper
 196 100
 198 0.0 79.2 118.8#
 97 2778.2 39.9 59.9#
 132 0.0 20.2 30.2#

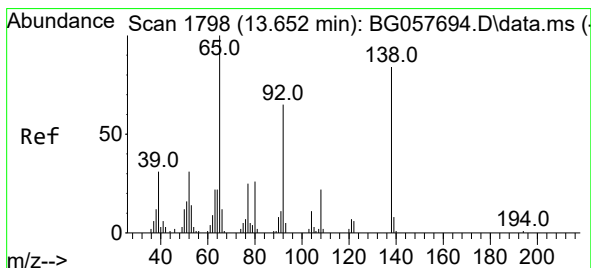
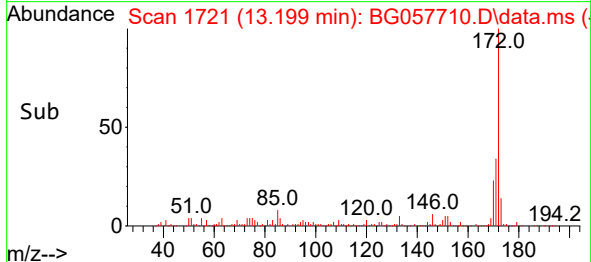
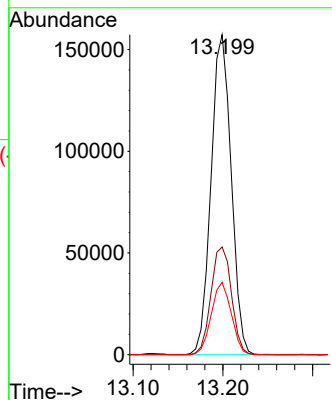
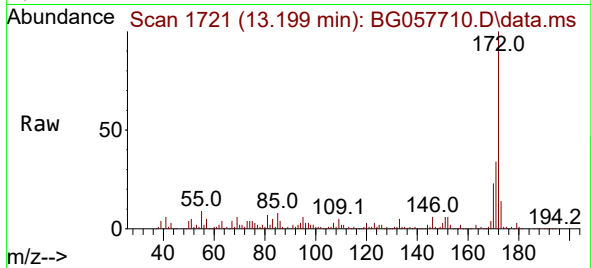




#45
2-Fluorobiphenyl
Concen: 39.827 ng
RT: 13.199 min Scan# 1721
Delta R.T. -0.000 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

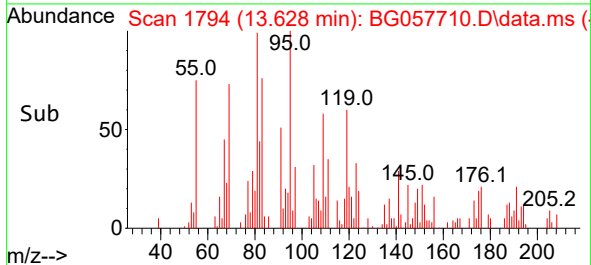
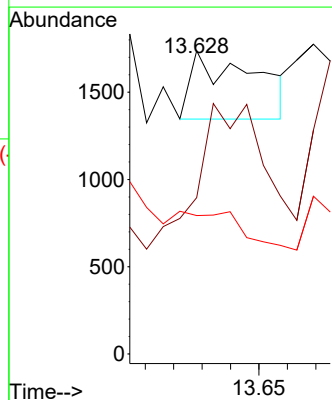
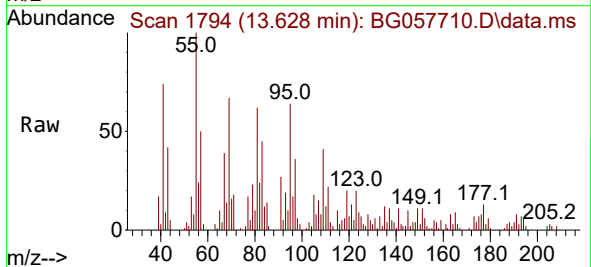
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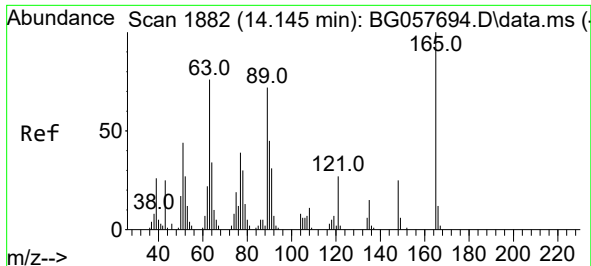
Tgt Ion:172 Resp: 245014
Ion Ratio Lower Upper
172 100
171 33.7 27.9 41.9
170 22.6 18.2 27.4



#48
2-Nitroaniline
Concen: 4.666 ng
RT: 13.628 min Scan# 1794
Delta R.T. -0.024 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion: 65 Resp: 595
Ion Ratio Lower Upper
65 100
92 51.6 52.2 78.4#
138 45.6 67.0 100.4#

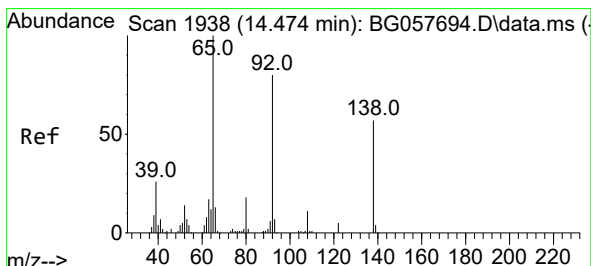
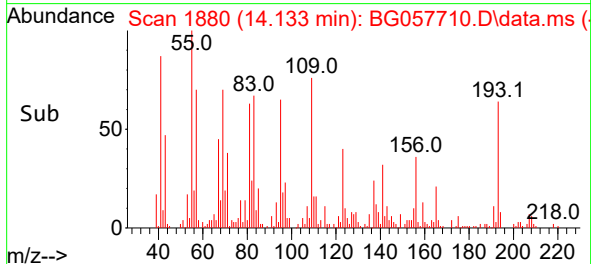
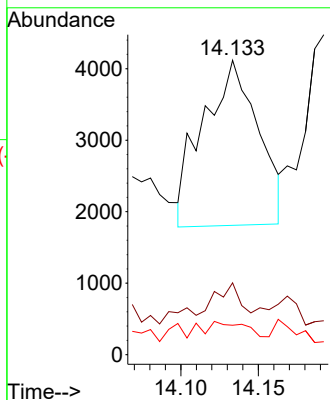
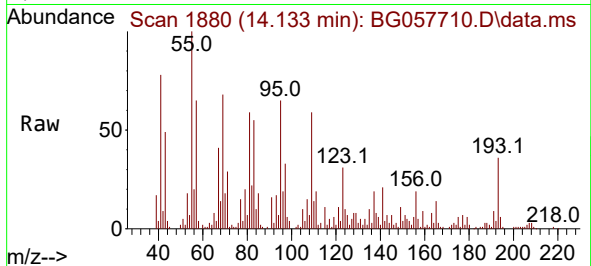




#51
2,6-Dinitrotoluene
Concen: 10.970 ng
RT: 14.133 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

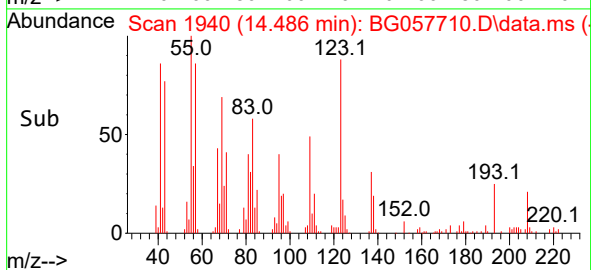
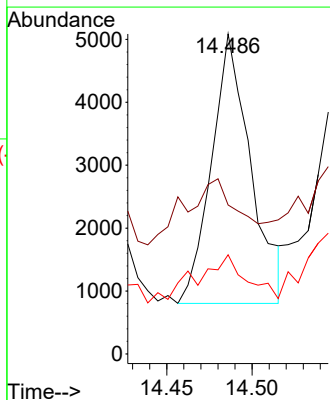
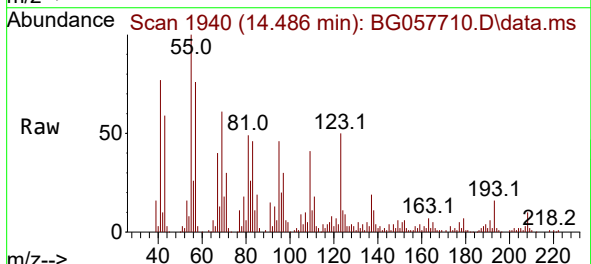
Instrument :
BNA_G
ClientSampleId :
CHRT-24051

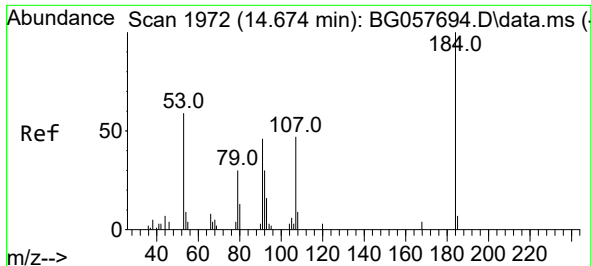
Tgt Ion:165 Resp: 5718
Ion Ratio Lower Upper
165 100
63 24.4 62.3 93.5#
89 10.0 57.4 86.0#



#53
3-Nitroaniline
Concen: 10.281 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.012 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion:138 Resp: 6845
Ion Ratio Lower Upper
138 100
108 46.5 15.8 23.8#
92 31.0 112.2 168.2#

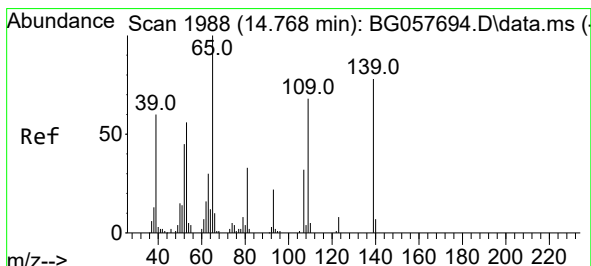
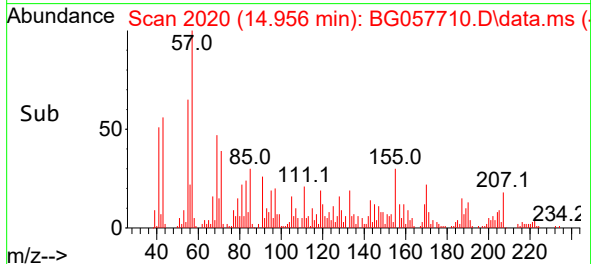
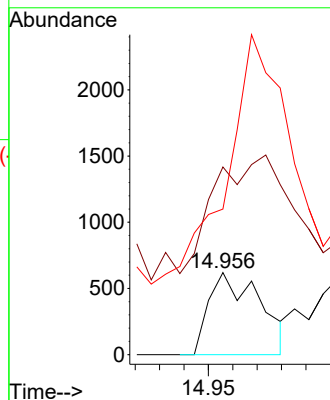
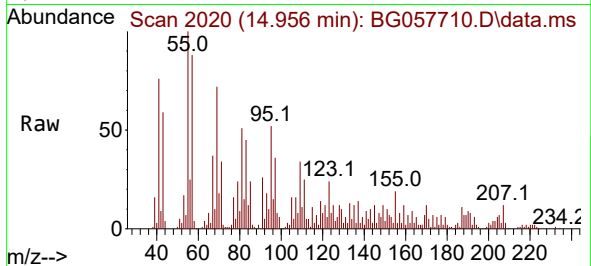




#54
2,4-Dinitrophenol
Concen: 2.934 ng
RT: 14.956 min Scan# 20
Delta R.T. 0.282 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

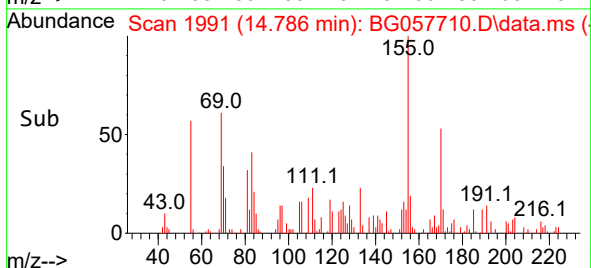
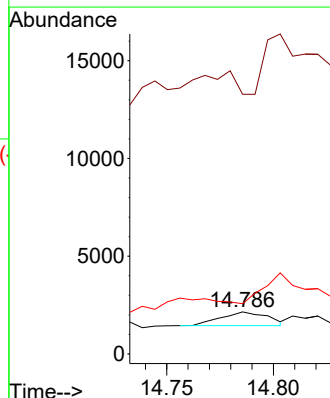
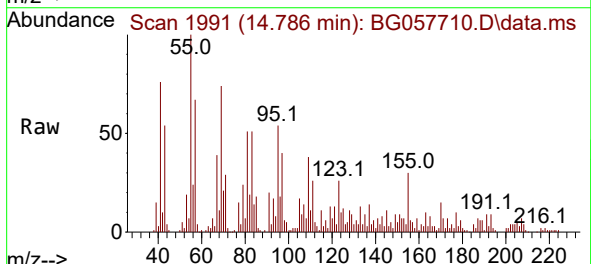
Instrument :
BNA_G
ClientSampleId :
CHRT-24051

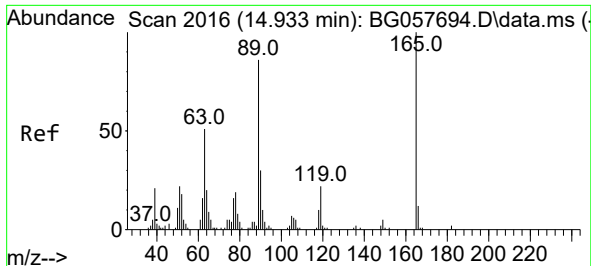
Tgt Ion:184 Resp: 904
Ion Ratio Lower Upper
184 100
63 228.7 59.0 88.6#
154 177.3 47.5 71.3#



#56
4-Nitrophenol
Concen: 5.462 ng
RT: 14.786 min Scan# 1991
Delta R.T. 0.018 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion:139 Resp: 1076
Ion Ratio Lower Upper
139 100
109 616.1 67.3 107.3#
65 119.3 108.3 148.3





#57

2,4-Dinitrotoluene

Concen: 4.899 ng

RT: 14.938 min Scan# 2016

Delta R.T. 0.005 min

Lab File: BG057710.D

Acq: 14 Jun 2023 16:33

Instrument :

BNA_G

ClientSampleId :

CHRT-24051

Tgt Ion:165 Resp: 824

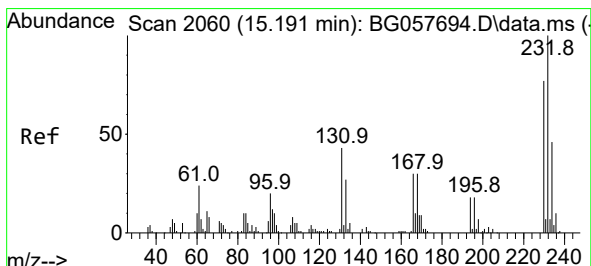
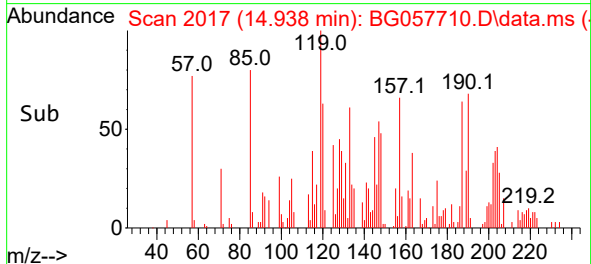
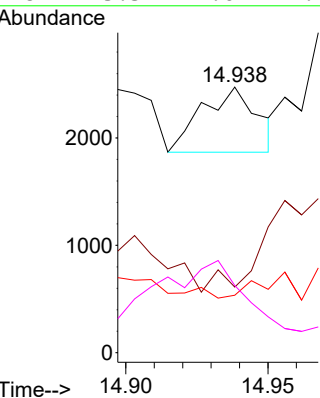
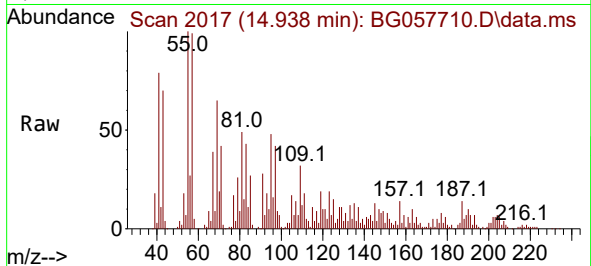
Ion Ratio Lower Upper

165 100

63 24.7 40.8 61.2#

89 21.7 68.5 102.7#

182 25.3 1.6 2.4#



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.437 ng

RT: 15.203 min Scan# 2062

Delta R.T. 0.012 min

Lab File: BG057710.D

Acq: 14 Jun 2023 16:33

Tgt Ion:232 Resp: 404

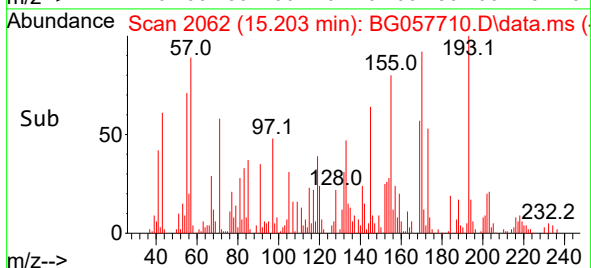
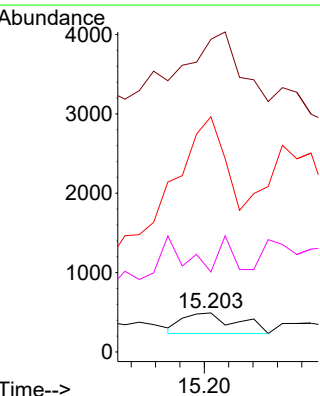
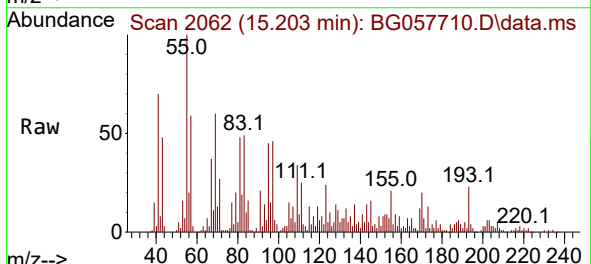
Ion Ratio Lower Upper

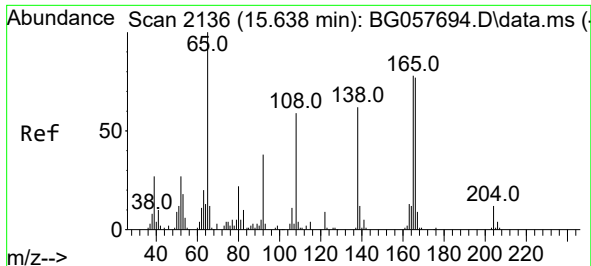
232 100

131 1380.0 32.6 49.0#

130 715.6 1.6 2.4#

166 0.0 23.4 35.0#

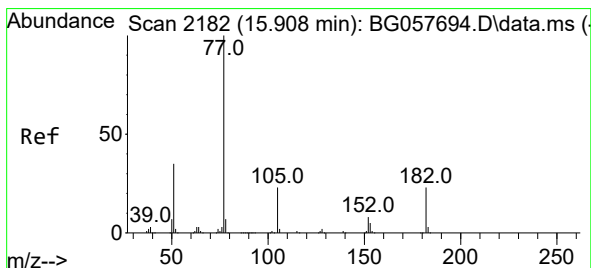
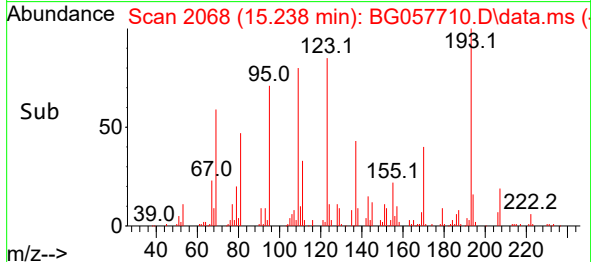
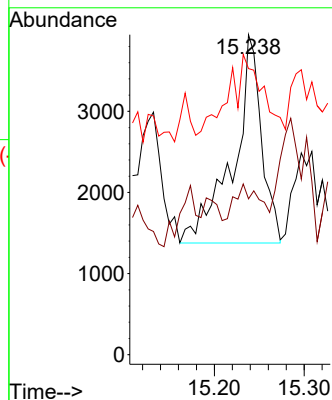
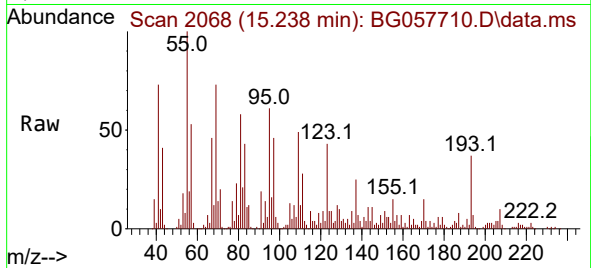




#62
4-Nitroaniline
Concen: 8.513 ng
RT: 15.238 min Scan# 2068
Delta R.T. -0.400 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

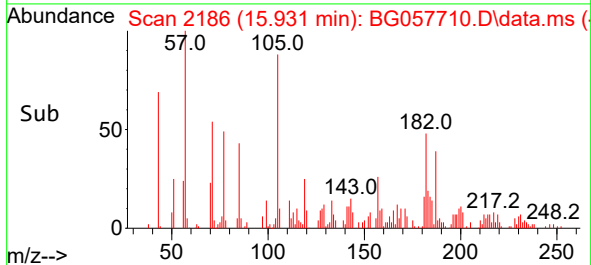
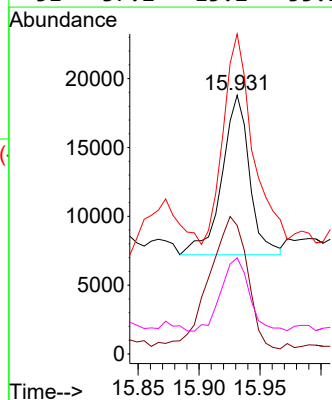
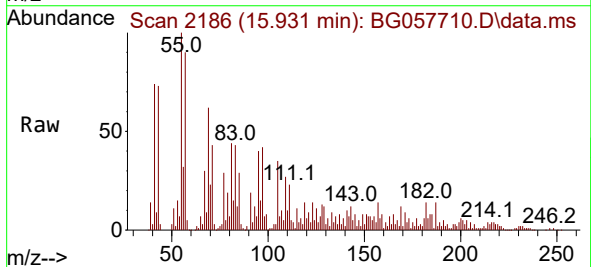
Instrument :
BNA_G
ClientSampleId :
CHRT-24051

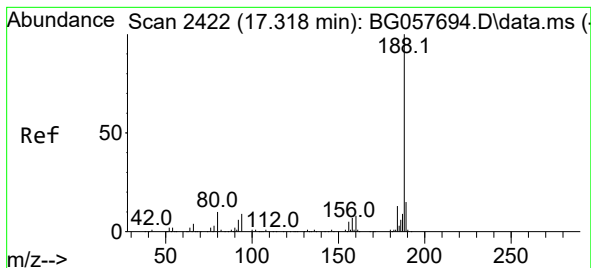
Tgt Ion:138 Resp: 5601
Ion Ratio Lower Upper
138 100
92 48.7 41.6 81.6
108 89.4 74.8 114.8



#63
Azobenzene
Concen: 2.446 ng
RT: 15.931 min Scan# 2186
Delta R.T. 0.023 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion: 77 Resp: 18251
Ion Ratio Lower Upper
77 100
182 49.7 3.2 43.2#
105 123.7 3.3 43.3#
51 37.2 15.2 55.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 2422

Delta R.T. 0.006 min

Lab File: BG057710.D

Acq: 14 Jun 2023 16:33

Instrument :

BNA_G

ClientSampleId :

CHRT-24051

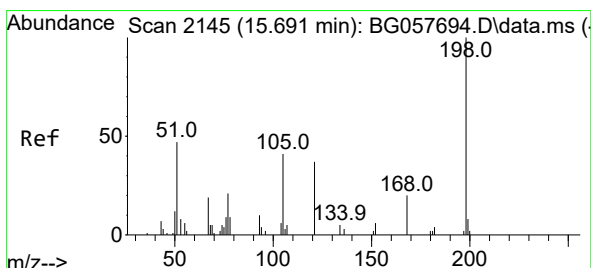
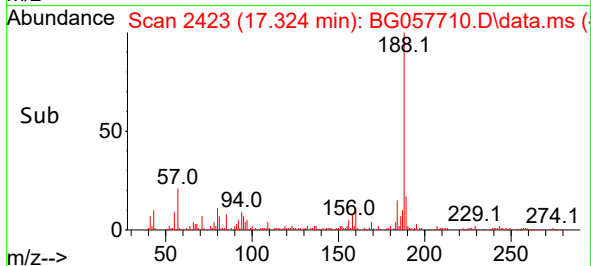
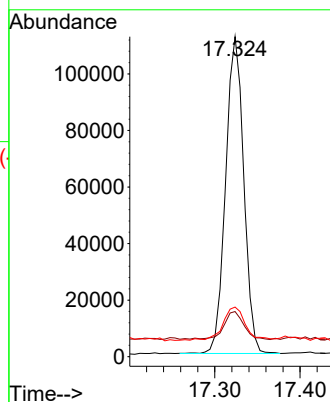
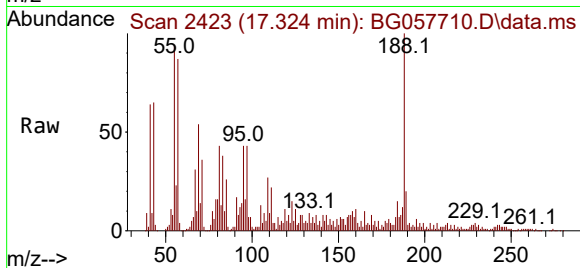
Tgt Ion:188 Resp: 165357

Ion Ratio Lower Upper

188 100

94 14.1 6.9 10.3#

80 15.5 8.2 12.4#



#65

4,6-Dinitro-2-methylphenol

Concen: 12.220 ng

RT: 15.667 min Scan# 2141

Delta R.T. -0.024 min

Lab File: BG057710.D

Acq: 14 Jun 2023 16:33

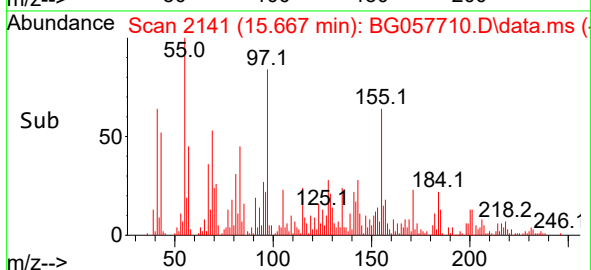
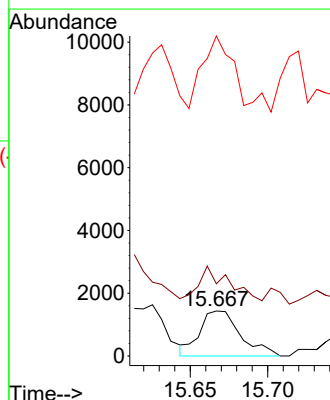
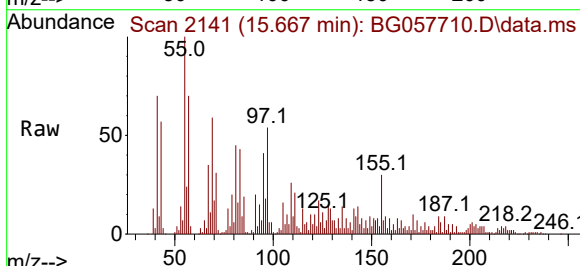
Tgt Ion:198 Resp: 2615

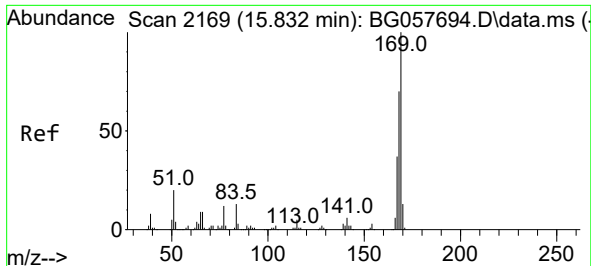
Ion Ratio Lower Upper

198 100

51 160.4 42.0 82.0#

105 711.7 30.9 70.9#

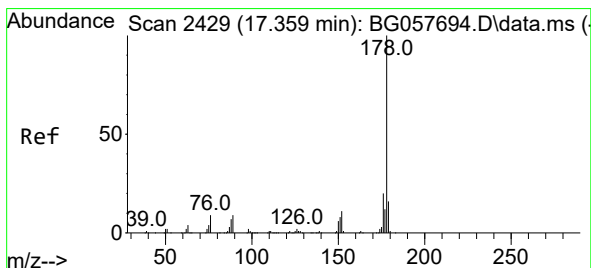
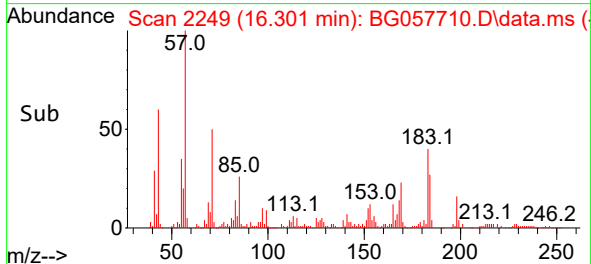
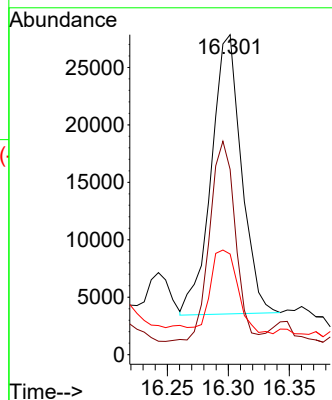
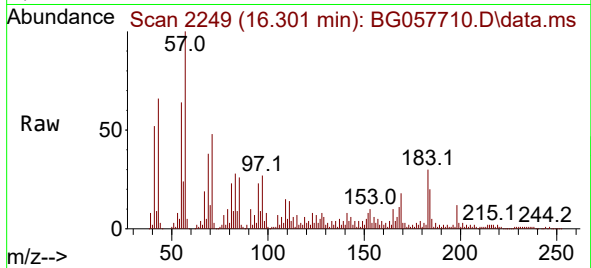




#66
n-Nitrosodiphenylamine
Concen: 9.685 ng
RT: 16.301 min Scan# 2169
Delta R.T. 0.469 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

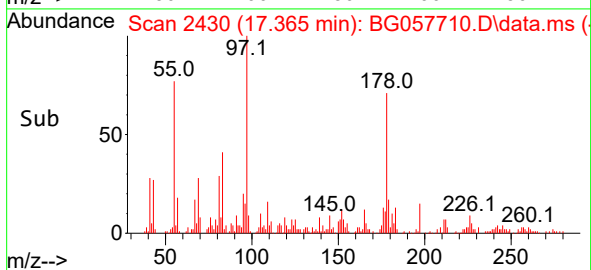
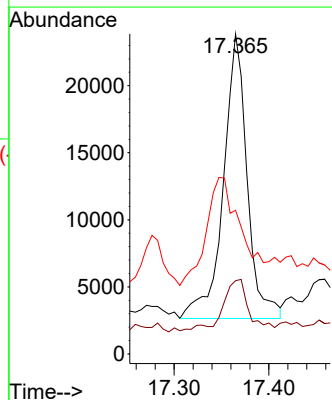
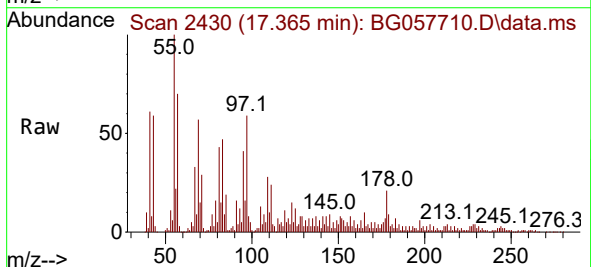
Instrument :
BNA_G
ClientSampleId :
CHRT-24051

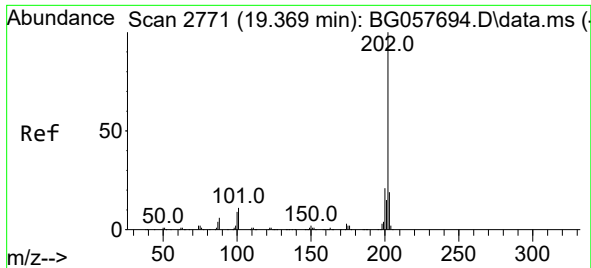
Tgt Ion:169 Resp: 41866
Ion Ratio Lower Upper
169 100
168 57.9 55.8 83.6
167 31.5 30.1 45.1



#71
Phenanthrene
Concen: 4.586 ng
RT: 17.365 min Scan# 2430
Delta R.T. 0.006 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion:178 Resp: 37003
Ion Ratio Lower Upper
178 100
176 22.9 16.2 24.2
179 44.9 13.0 19.6#

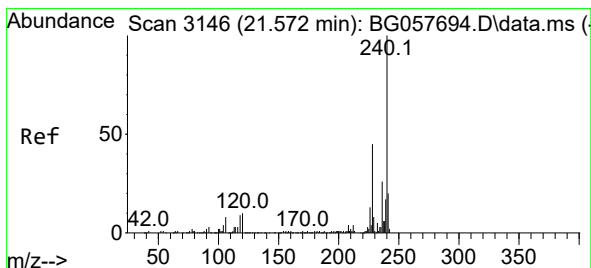
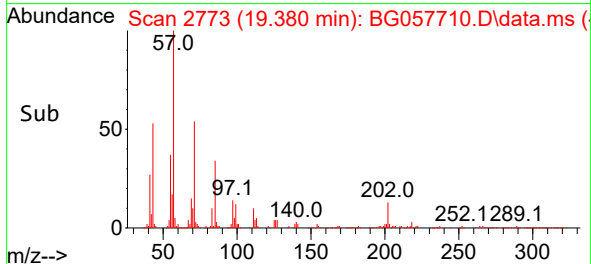
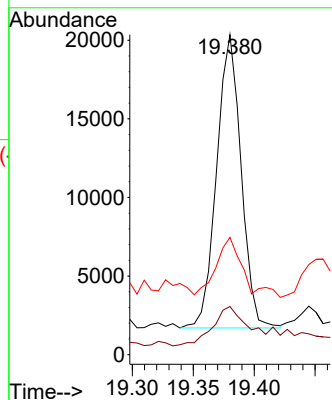
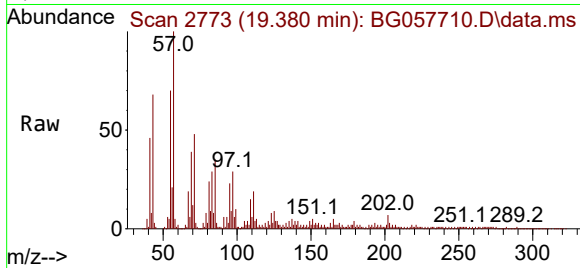




#75
Fluoranthene
Concen: 2.678 ng
RT: 19.380 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

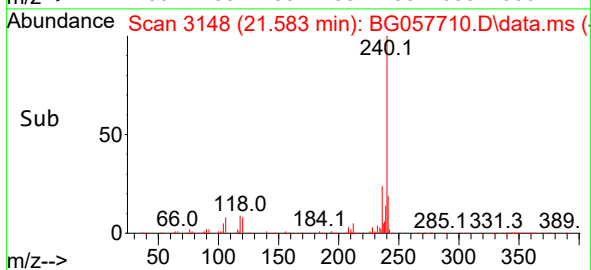
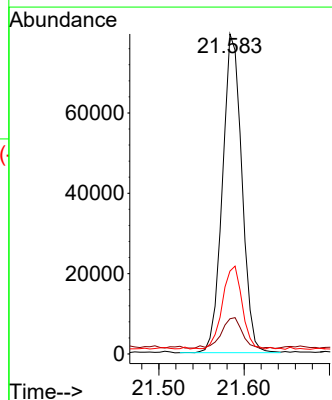
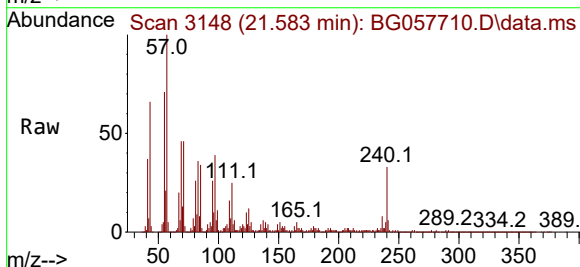
Instrument :
BNA_G
ClientSampleId :
CHRT-24051

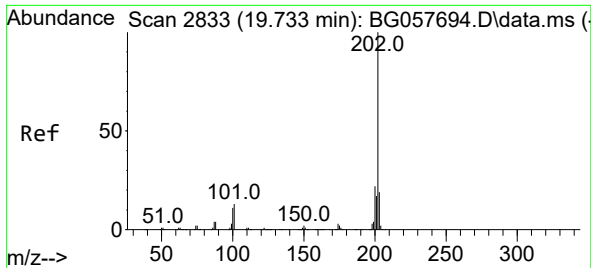
Tgt Ion:202 Resp: 26027
Ion Ratio Lower Upper
202 100
101 15.0 0.0 31.1
203 36.7 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3148
Delta R.T. 0.011 min
Lab File: BG057710.D
Acq: 14 Jun 2023 16:33

Tgt Ion:240 Resp: 125133
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 25.9 20.7 31.1

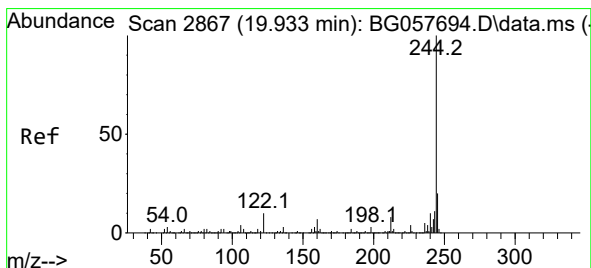
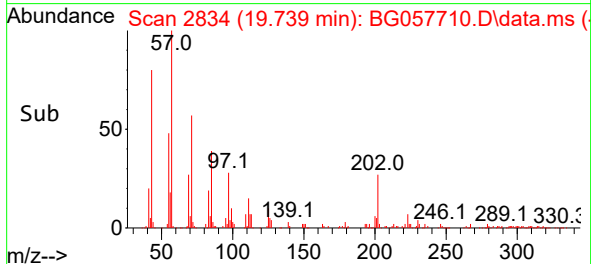
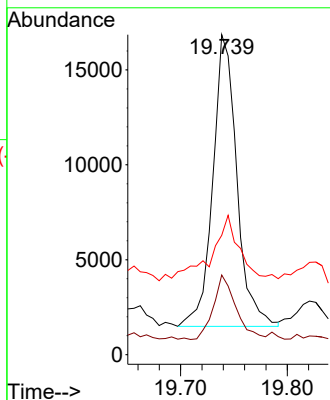
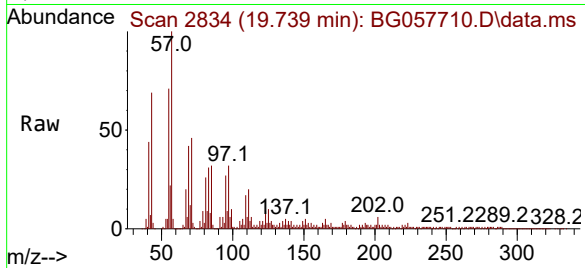




#78
 Pyrene
 Concen: 2.702 ng
 RT: 19.739 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG057710.D
 Acq: 14 Jun 2023 16:33

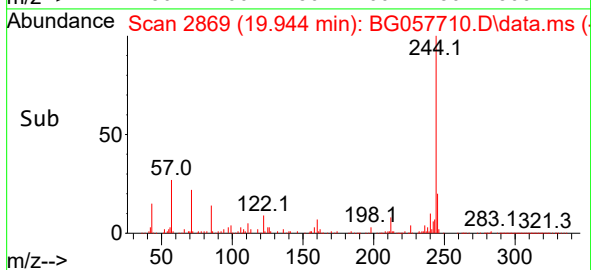
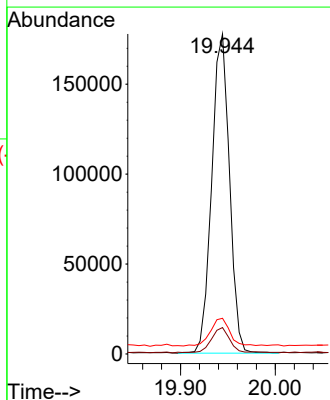
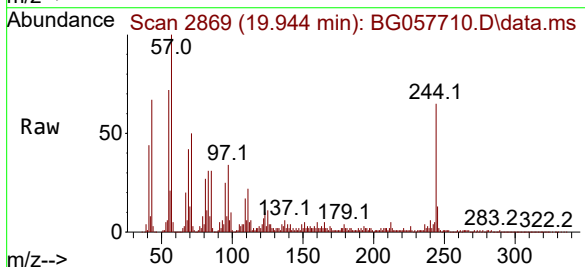
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-24051

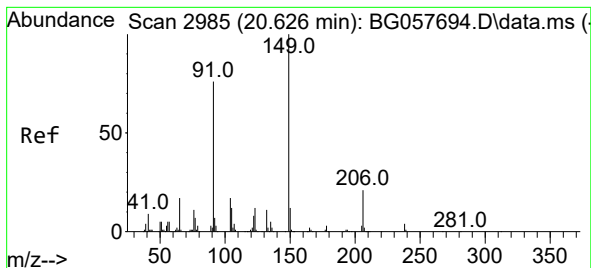
Tgt Ion:202 Resp: 24060
 Ion Ratio Lower Upper
 202 100
 200 24.9 17.4 26.0
 203 37.3 14.9 22.3#



#79
 Terphenyl-d14
 Concen: 34.071 ng
 RT: 19.944 min Scan# 2869
 Delta R.T. 0.012 min
 Lab File: BG057710.D
 Acq: 14 Jun 2023 16:33

Tgt Ion:244 Resp: 230597
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.0 9.0
 122 11.1 7.7 11.5





#80

Butylbenzylphthalate

Concen: 4.292 ng

RT: 20.632 min Scan# 2985

Delta R.T. 0.006 min

Lab File: BG057710.D

Acq: 14 Jun 2023 16:33

Instrument :

BNA_G

ClientSampleId :

CHRT-24051

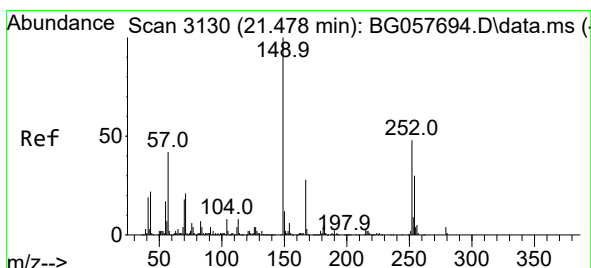
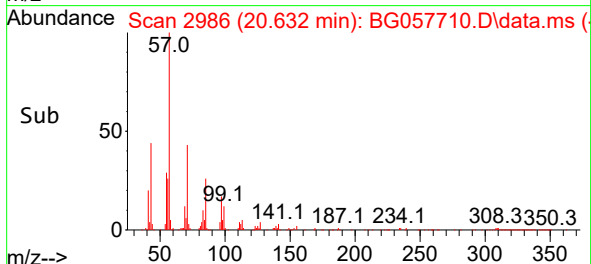
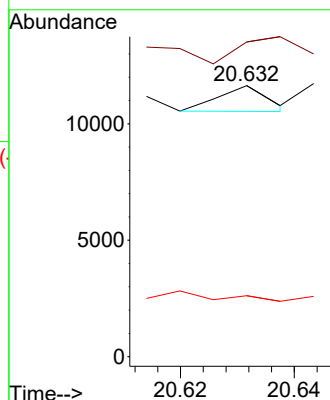
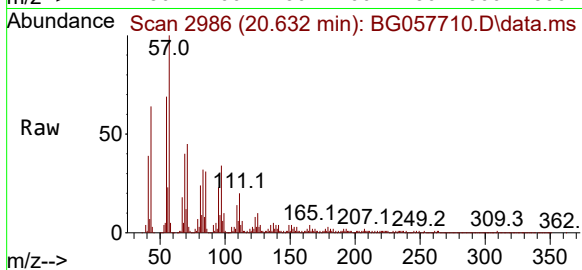
Tgt Ion:149 Resp: 657

Ion Ratio Lower Upper

149 100

91 116.1 60.8 91.2#

206 22.5 16.8 25.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.234 ng

RT: 21.484 min Scan# 3131

Delta R.T. 0.006 min

Lab File: BG057710.D

Acq: 14 Jun 2023 16:33

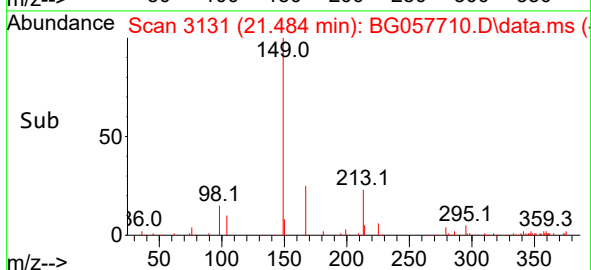
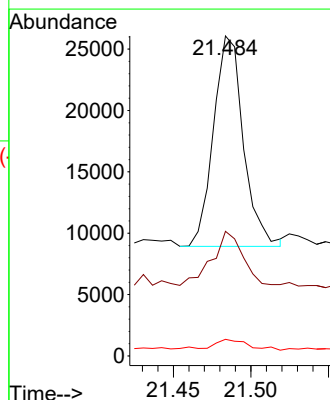
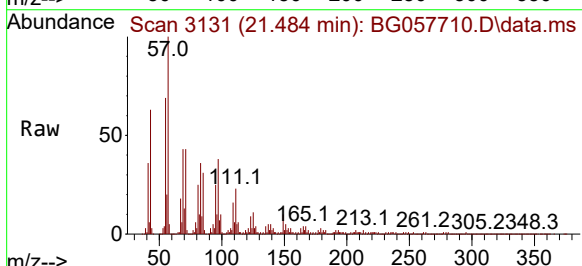
Tgt Ion:149 Resp: 22958

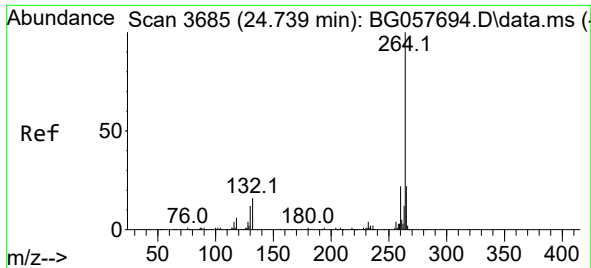
Ion Ratio Lower Upper

149 100

167 39.0 22.1 33.1#

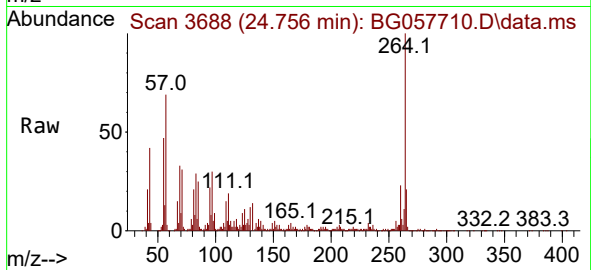
279 5.2 3.0 4.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.756 min Scan# 30
 Delta R.T. 0.017 min
 Lab File: BG057710.D
 Acq: 14 Jun 2023 16:33

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-24051



Tgt Ion:264 Resp: 182463
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.3 25.9
 265 21.2 17.5 26.3

