

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
 Data File : BG057548.D
 Acq On : 25 May 2023 00:25
 Operator : CG/JU
 Sample : 02897-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-WATER-0523

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2023
 Supervised By : Jagrut Upadhyay 05/25/2023

Quant Time: May 25 10:56:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 02:19:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	21394	20.000	ng	-0.01
21) Naphthalene-d8	11.198	136	81069	20.000	ng	0.00
39) Acenaphthene-d10	14.975	164	422701	20.000	ng	# 0.00
64) Phenanthrene-d10	17.713	188	127583	20.000	ng	-0.01
76) Chrysene-d12	22.019	240	120279	20.000	ng	-0.02
86) Perylene-d12	25.526	264	131607	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	17221	13.769	ng	0.00
7) Phenol-d6	7.503	99	19417	10.224	ng	0.00
23) Nitrobenzene-d5	9.536	82	27472	14.223	ng	-0.01
42) 2,4,6-Tribromophenol	16.456	330	19208	3.203	ng	-0.01
45) 2-Fluorobiphenyl	13.595	172	63888	2.036	ng	-0.01
79) Terphenyl-d14	20.280	244	114008	15.468	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.984	42	1862	2.384	ng	# 1
9) Benzaldehyde	7.486	77	1925	Below Cal		93
10) Phenol	7.538	94	10948	5.913	ng	95
15) Benzyl Alcohol	8.602	79	214815	135.773	ng	96
17) 2-Methylphenol	8.602	107	100755	75.497	ng	# 9
20) 3+4-Methylphenols	9.125	107	7603	4.161	ng	90
27) 2,4-Dimethylphenol	10.264	122	202956	155.320	ng	# 82
28) bis(2-Chloroethoxy)met...	10.540	93	4752	2.533	ng	# 1
31) Naphthalene	11.245	128	90758	20.941	ng	98
32) Benzoic acid	10.834	122	772151	928.774	ng	94
33) 4-Chloroaniline	11.245	127	12768	6.560	ng	# 39
35) Caprolactam	12.162	113	1806	3.815	ng	# 1
36) 4-Chloro-3-methylphenol	12.414	107	57217	36.329	ng	# 21
37) 2-Methylnaphthalene	12.825	142	100889	29.607	ng	97
38) 1-Methylnaphthalene	13.043	142	63202	19.678	ng	99
57) 2,4-Dinitrotoluene	14.970	165	34497	3.403	ng	# 5
84) Bis(2-ethylhexyl)phtha...	21.837	149	36857	8.983	ng	98

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

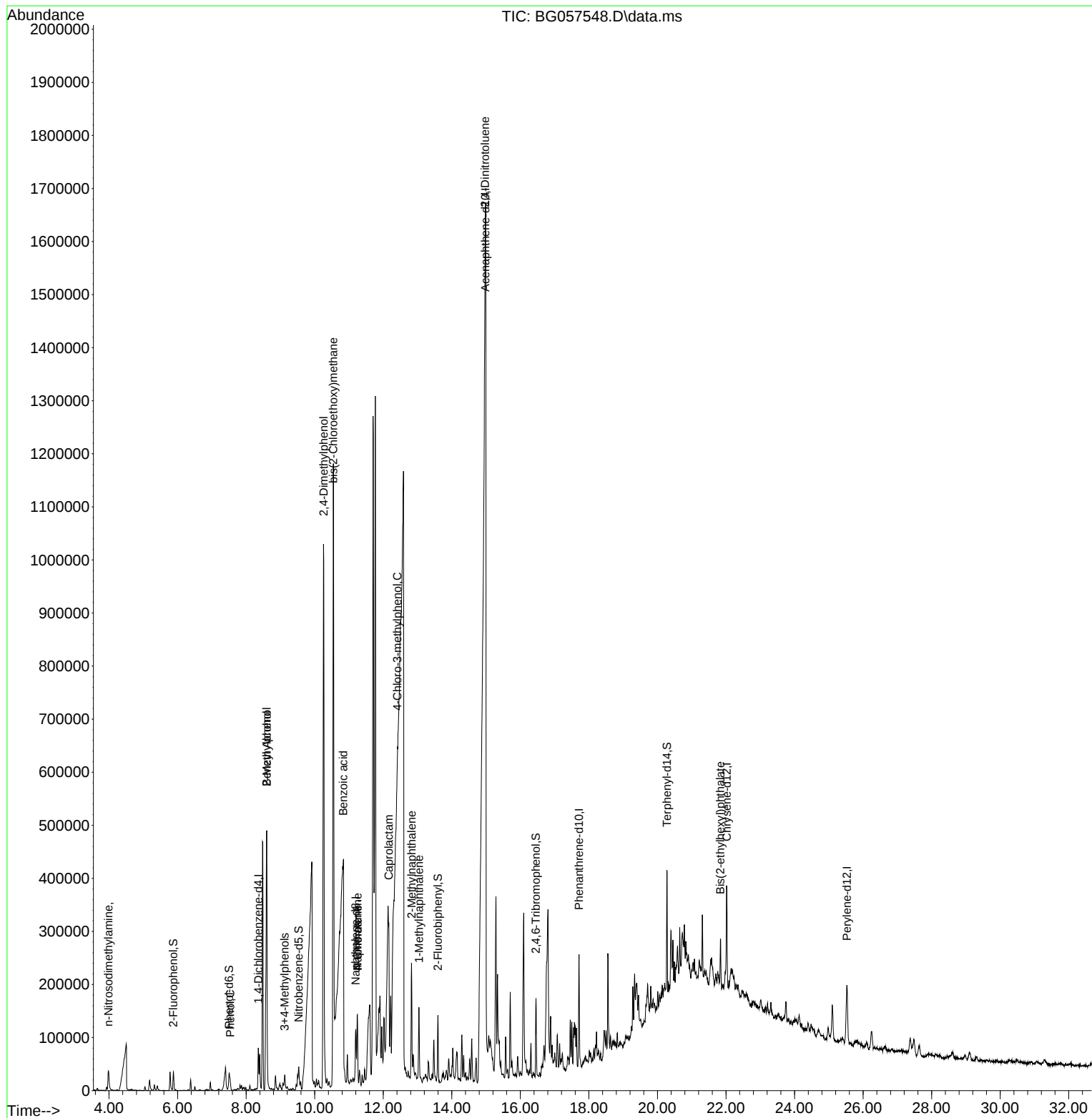
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057548.D
Acq On : 25 May 2023 00:25
Operator : CG/JU
Sample : 02897-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

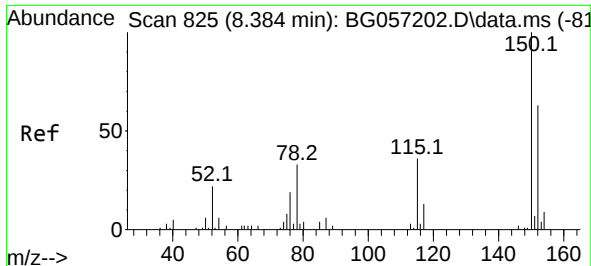
Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523

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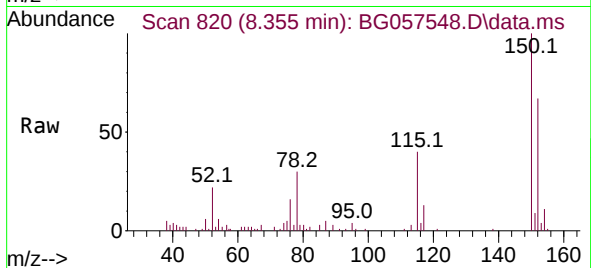
Quant Time: May 25 10:56:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 25 02:19:01 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

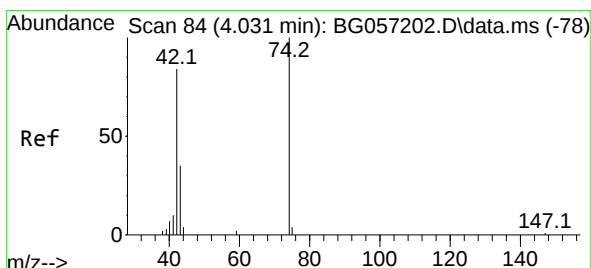
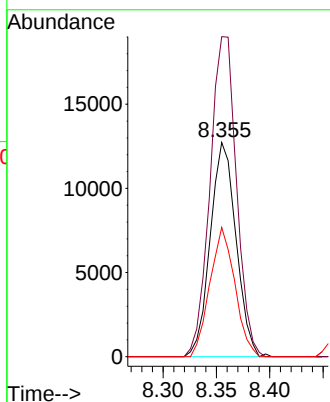
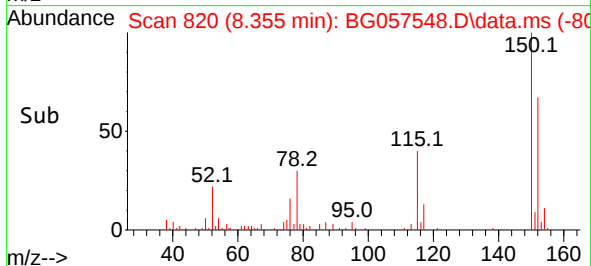
Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523



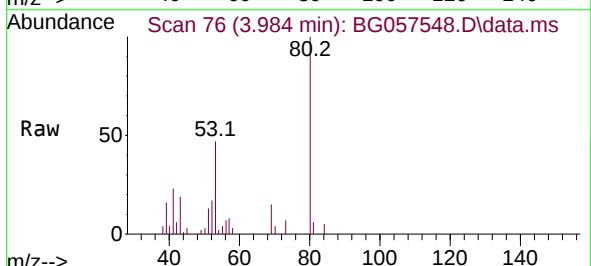
Tgt Ion:152 Resp: 21394
Ion Ratio Lower Upper
152 100
150 149.3 126.2 189.4
115 60.3 45.0 67.4

Manual Integrations
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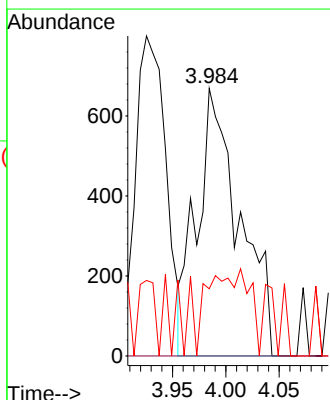
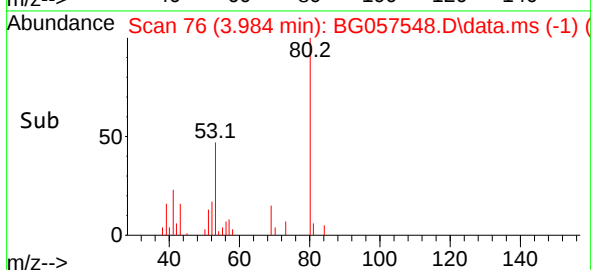
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

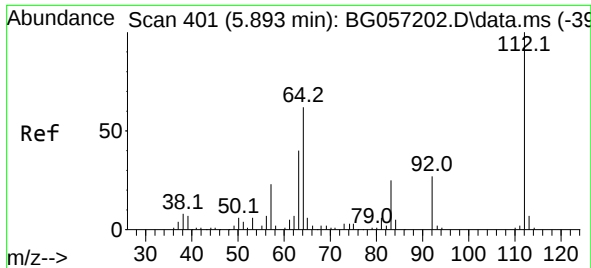


#4
n-Nitrosodimethylamine
Concen: 2.384 ng
RT: 3.984 min Scan# 76
Delta R.T. -0.022 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25



Tgt Ion: 42 Resp: 1862
Ion Ratio Lower Upper
42 100
74 0.0 95.1 142.7#
44 25.1 5.8 8.8#





#5
2-Fluorophenol
Concen: 13.769 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.001 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

Instrument :

BNA_G

ClientSampleId :

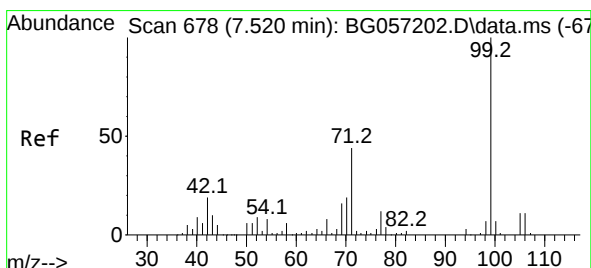
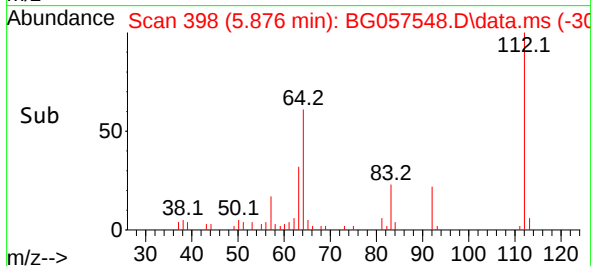
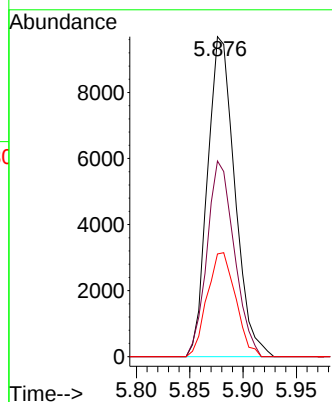
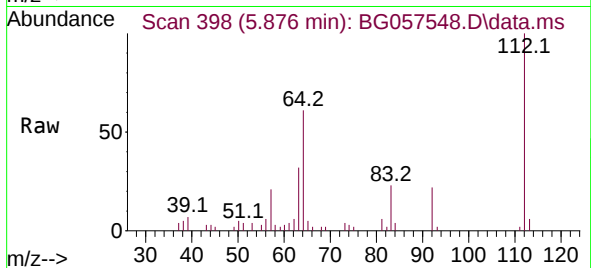
OILY-WATER-0523

Tgt Ion:112 Resp: 1722
Ion Ratio Lower Upper
112 100
64 61.1 49.4 74.2
63 32.1 31.6 47.4

Manual Integrations

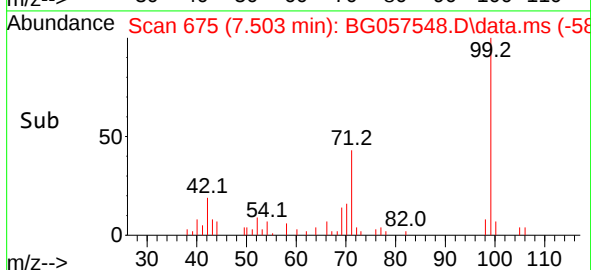
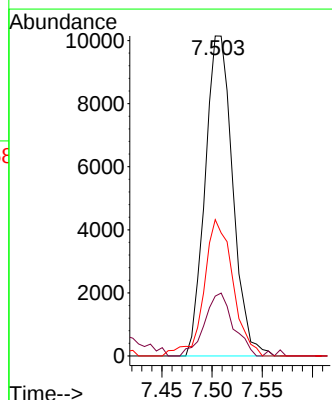
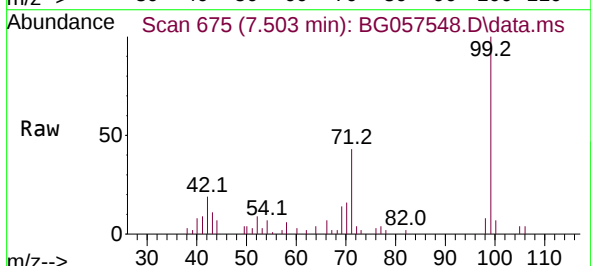
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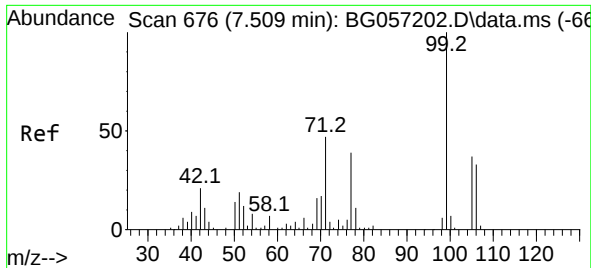
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#7
Phenol-d6
Concen: 10.224 ng
RT: 7.503 min Scan# 675
Delta R.T. -0.005 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

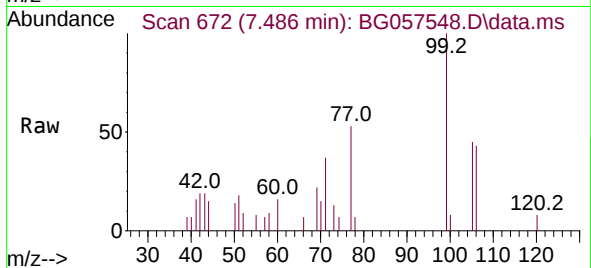
Tgt Ion: 99 Resp: 19417
Ion Ratio Lower Upper
99 100
42 18.7 15.1 22.7
71 42.6 35.2 52.8





#9
Benzaldehyde
Concen: Below Cal
RT: 7.486 min Scan# 611
Delta R.T. -0.005 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

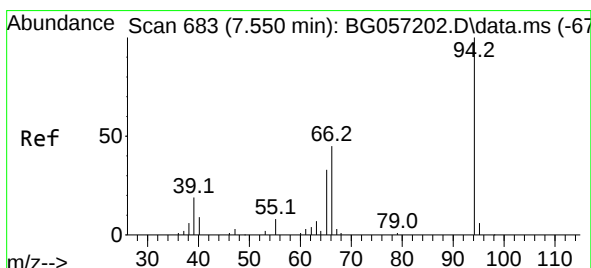
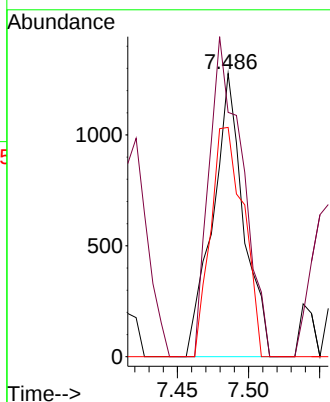
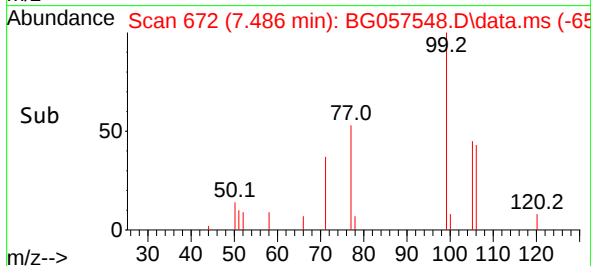
Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523



Tgt Ion: 77 Resp: 192
Ion Ratio Lower Upper
77 100
105 86.3 74.6 114.6
106 81.0 66.3 106.3

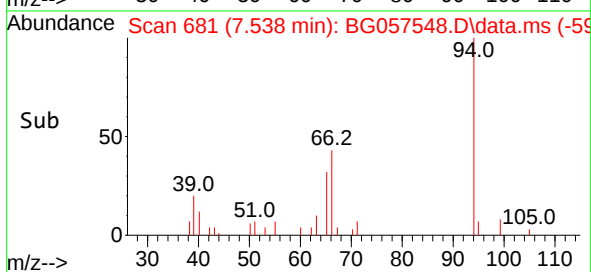
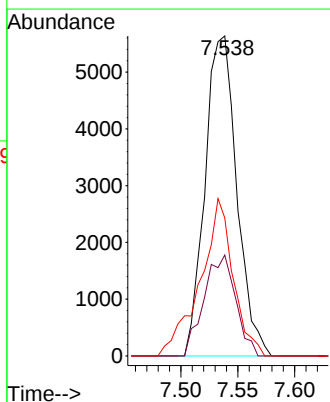
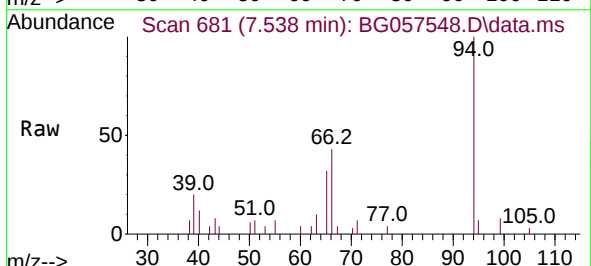
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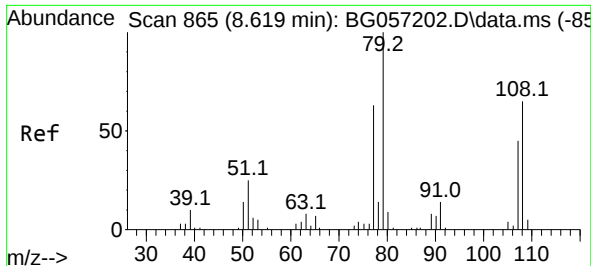
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#10
Phenol
Concen: 5.913 ng
RT: 7.538 min Scan# 681
Delta R.T. 0.001 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

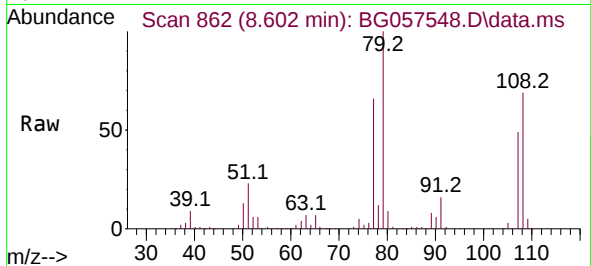
Tgt Ion: 94 Resp: 10948
Ion Ratio Lower Upper
94 100
65 31.6 13.5 53.5
66 43.2 26.7 66.7





#15
Benzyl Alcohol
Concen: 135.773 ng
RT: 8.602 min Scan# 862
Delta R.T. 0.001 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

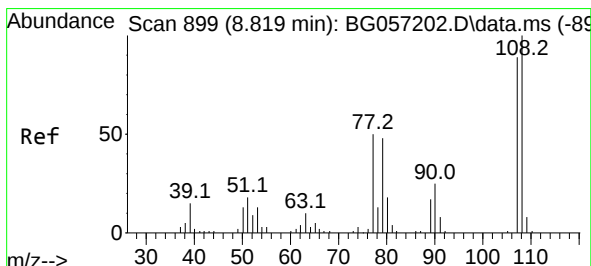
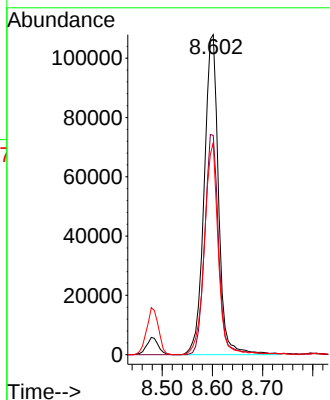
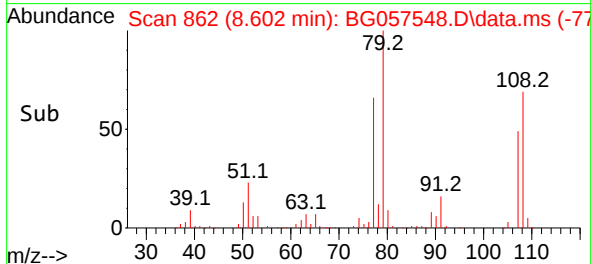
Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523



Tgt Ion: 79 Resp: 214815
Ion Ratio Lower Upper
79 100
108 68.5 52.2 78.2
77 66.1 50.1 75.1

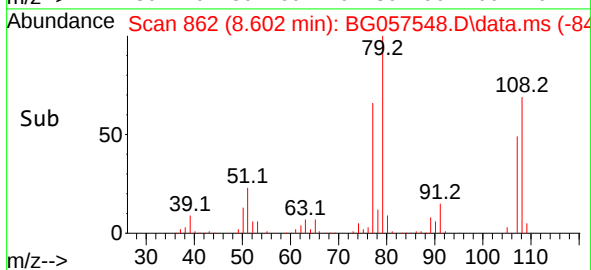
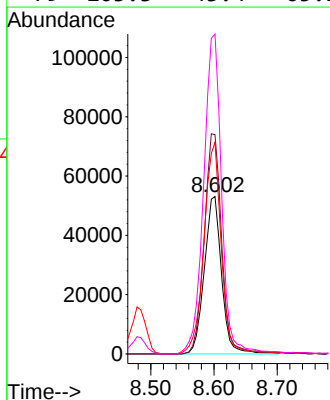
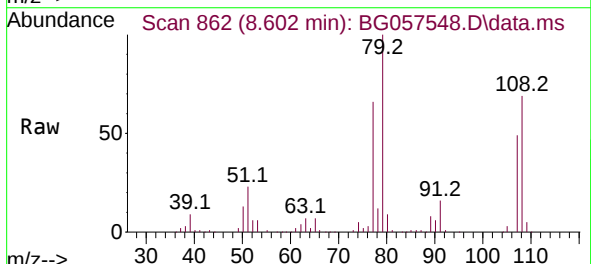
Manual Integrations
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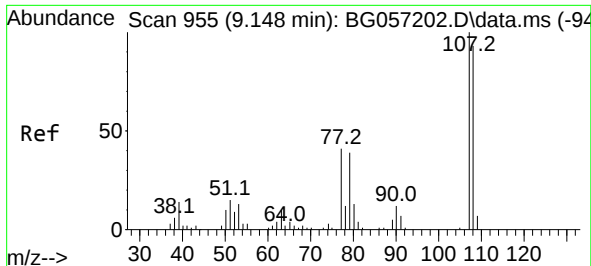
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#17
2-Methylphenol
Concen: 75.497 ng
RT: 8.602 min Scan# 862
Delta R.T. -0.205 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

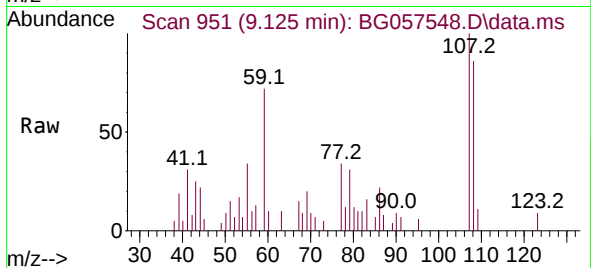
Tgt Ion:107 Resp: 100755
Ion Ratio Lower Upper
107 100
108 139.3 89.5 134.3#
77 134.4 45.1 67.7#
79 203.3 43.4 65.2#





#20
3+4-Methylphenols
Concen: 4.161 ng
RT: 9.125 min Scan# 91
Delta R.T. -0.011 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

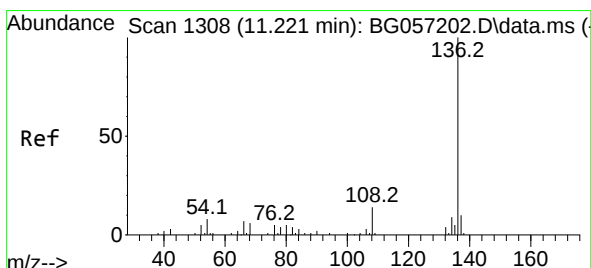
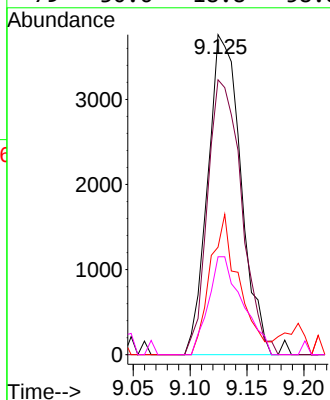
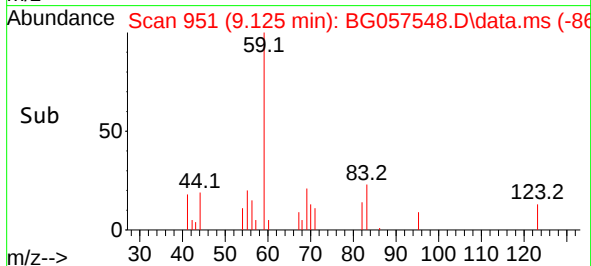
Instrument :
BNA_G
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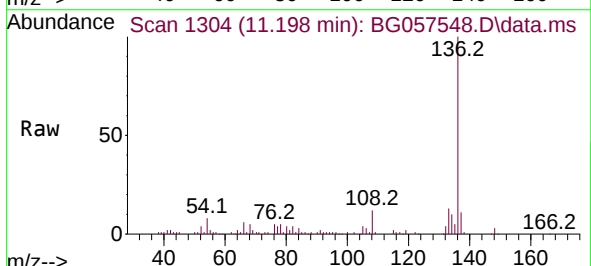
Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.9	73.5	113.5
77	33.6	21.1	61.1
79	30.6	18.8	58.8

Manual Integrations
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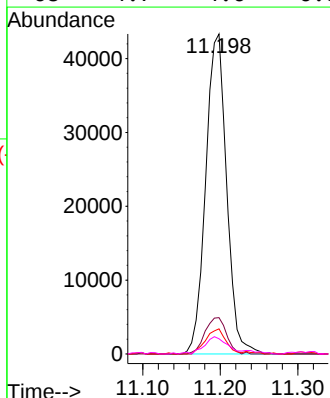
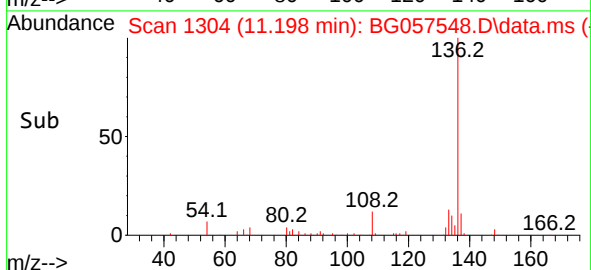
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

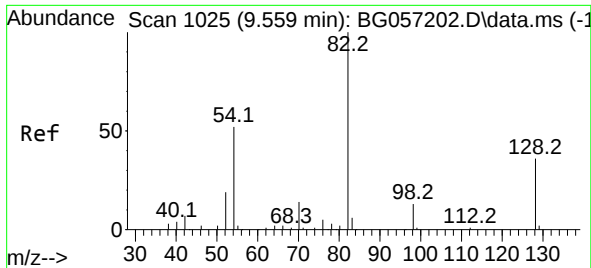


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 1304
Delta R.T. -0.005 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25



Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.3	12.5
54	7.8	6.7	10.1
68	4.7	4.6	6.8





#23
Nitrobenzene-d5
Concen: 14.223 ng
RT: 9.536 min Scan# 1021
Delta R.T. -0.011 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

Instrument :

BNA_G

ClientSampleId :

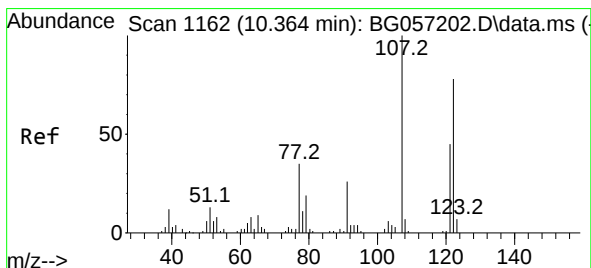
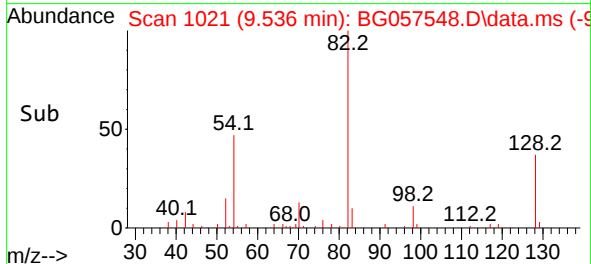
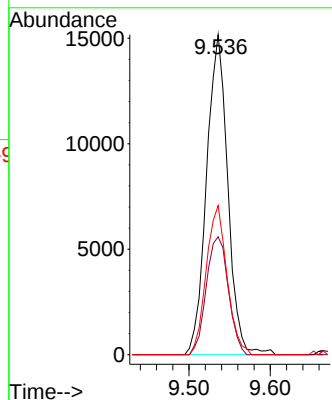
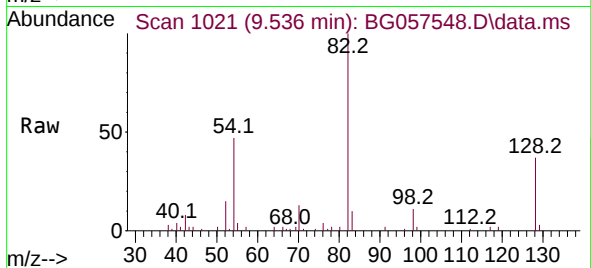
OILY-WATER-0523

Tgt Ion: 82 Resp: 27472
Ion Ratio Lower Upper
82 100
128 36.8 29.0 43.4
54 46.6 41.4 62.0

Manual Integrations

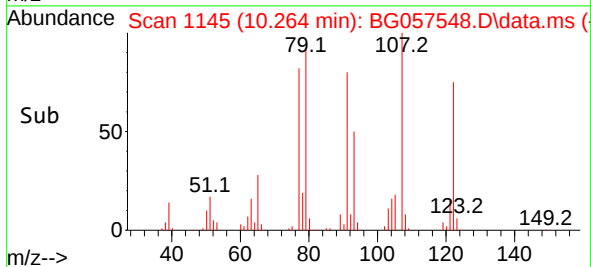
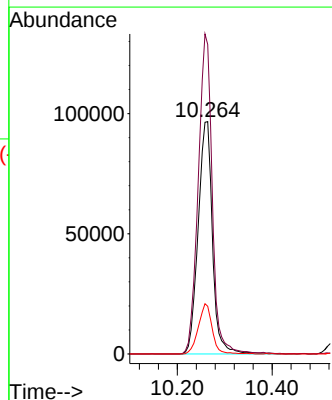
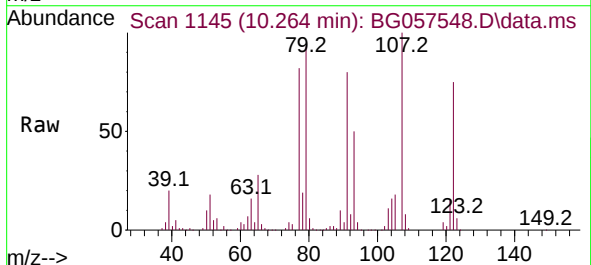
APPROVED

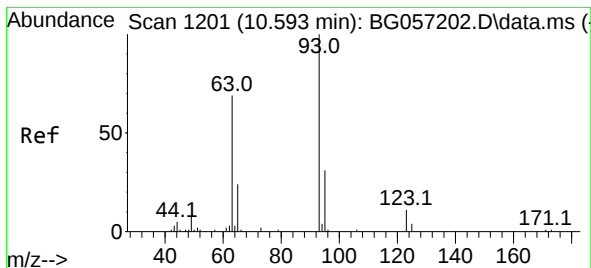
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#27
2,4-Dimethylphenol
Concen: 155.320 ng
RT: 10.264 min Scan# 1145
Delta R.T. -0.081 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

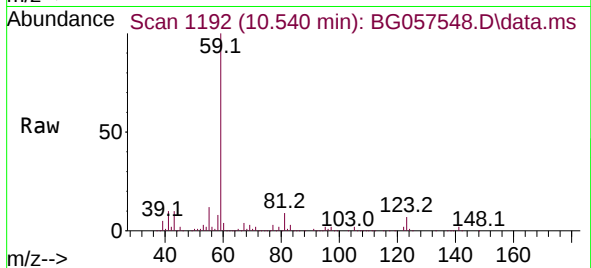
Tgt Ion:122 Resp: 202956
Ion Ratio Lower Upper
122 100
107 133.2 103.0 154.4
121 20.5 45.9 68.9#





#28
bis(2-Chloroethoxy)methane
Concen: 2.533 ng
RT: 10.540 min Scan# 11192
Delta R.T. -0.040 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

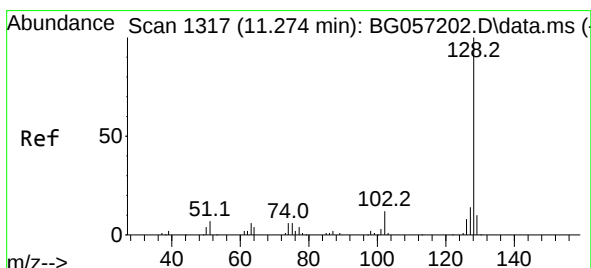
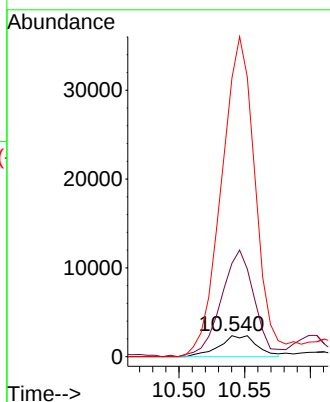
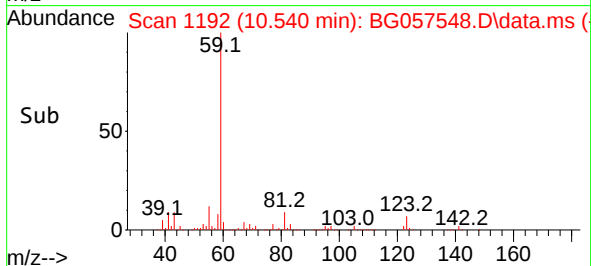
Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523



Tgt Ion: 93 Resp: 4752
Ion Ratio Lower Upper
93 100
95 446.6 25.0 37.6
123 1331.5 8.5 12.7

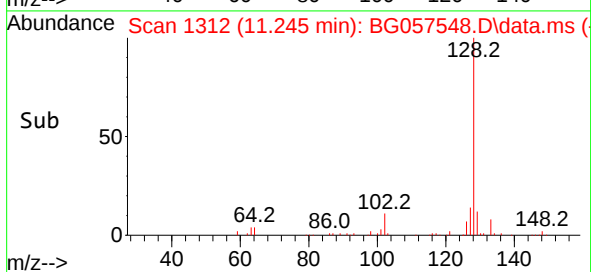
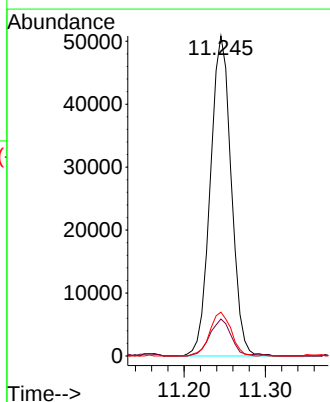
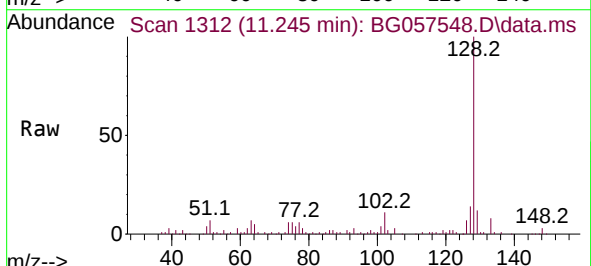
Manual Integrations
APPROVED

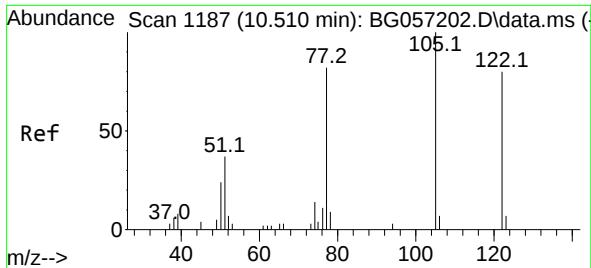
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#31
Naphthalene
Concen: 20.941 ng
RT: 11.245 min Scan# 1312
Delta R.T. -0.011 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

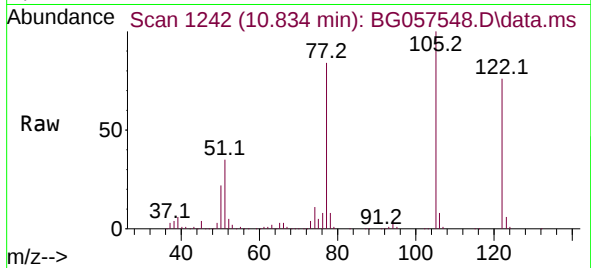
Tgt Ion:128 Resp: 90758
Ion Ratio Lower Upper
128 100
129 11.6 8.3 12.5
127 13.7 11.1 16.7





#32
Benzoic acid
Concen: 928.774 ng
RT: 10.834 min Scan# 1187
Delta R.T. 0.330 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

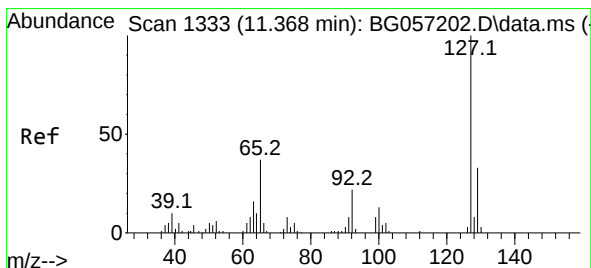
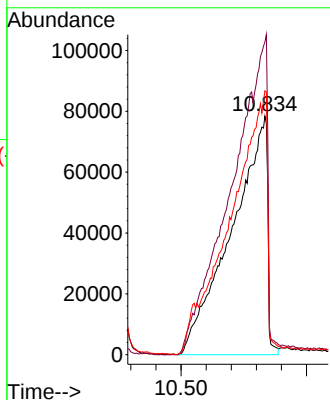
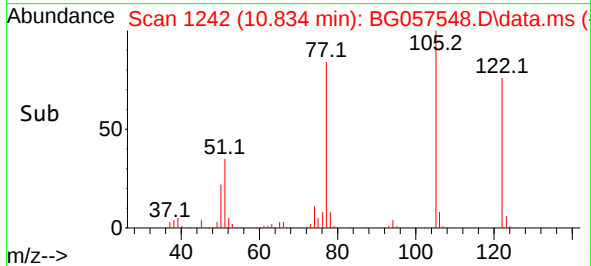
Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523



Tgt Ion:122 Resp: 77215
Ion Ratio Lower Upper
122 100
105 131.1 105.2 145.2
77 110.6 83.1 123.1

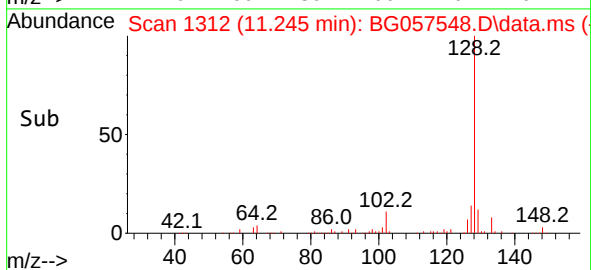
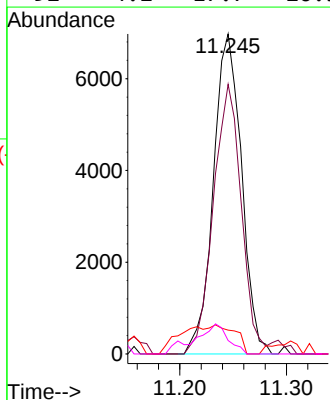
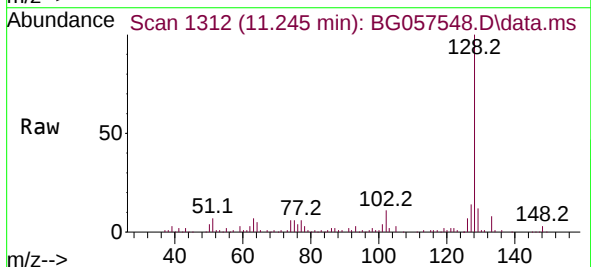
Manual Integrations
APPROVED

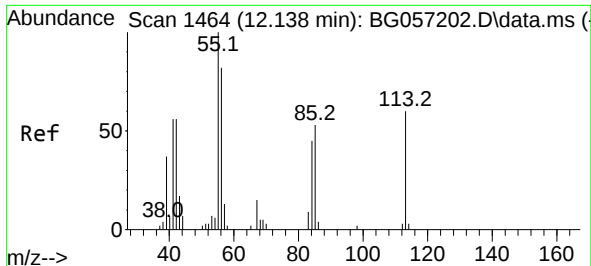
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#33
4-Chloroaniline
Concen: 6.560 ng
RT: 11.245 min Scan# 1312
Delta R.T. -0.111 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

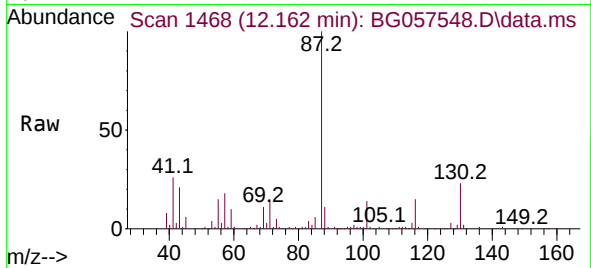
Tgt Ion:127 Resp: 12768
Ion Ratio Lower Upper
127 100
129 84.3 26.7 40.1#
65 7.5 29.7 44.5#
92 4.2 17.7 26.5#





#35
Caprolactam
Concen: 3.815 ng
RT: 12.162 min Scan# 1468
Delta R.T. 0.024 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

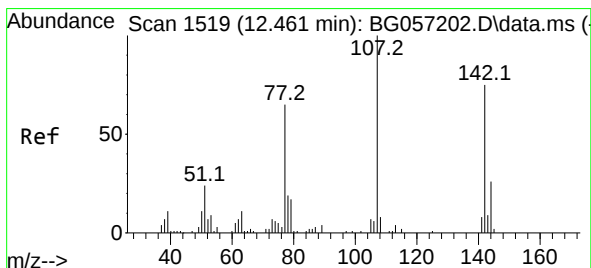
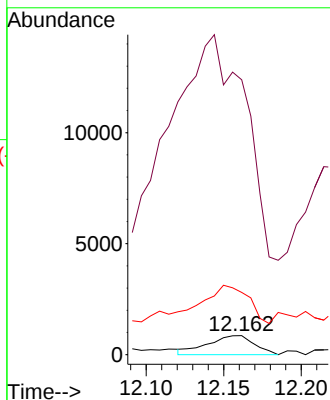
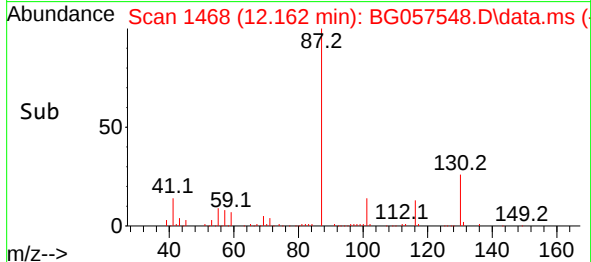
Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523



Tgt Ion:113 Resp: 1800
Ion Ratio Lower Upper
113 100
55 1439.7 145.5 185.5
56 326.4 115.9 155.9

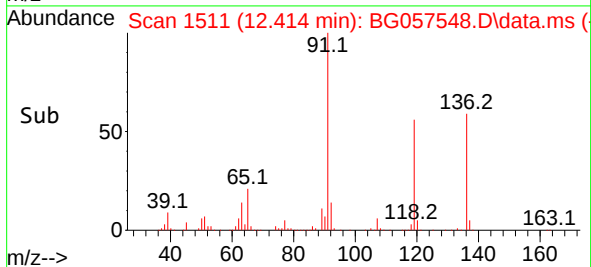
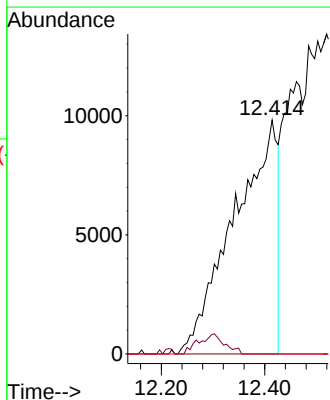
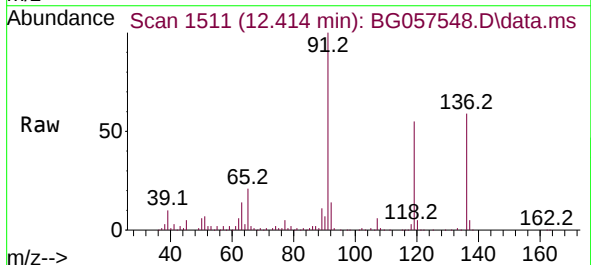
Manual Integrations
APPROVED

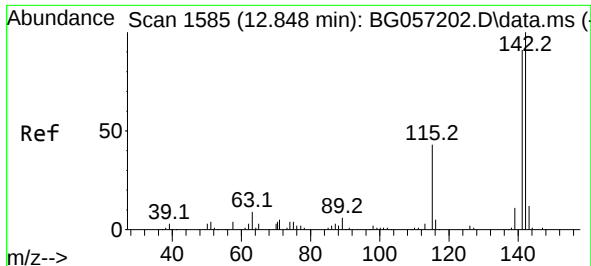
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#36
4-Chloro-3-methylphenol
Concen: 36.329 ng
RT: 12.414 min Scan# 1511
Delta R.T. -0.040 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

Tgt Ion:107 Resp: 57217
Ion Ratio Lower Upper
107 100
144 0.0 21.0 31.6#
142 0.0 60.0 90.0#





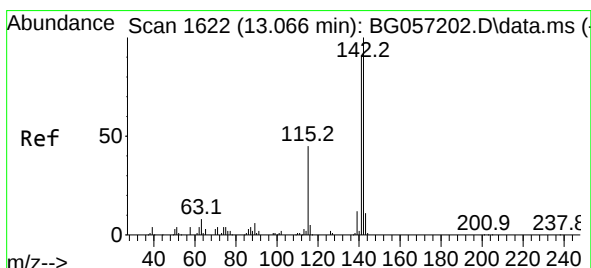
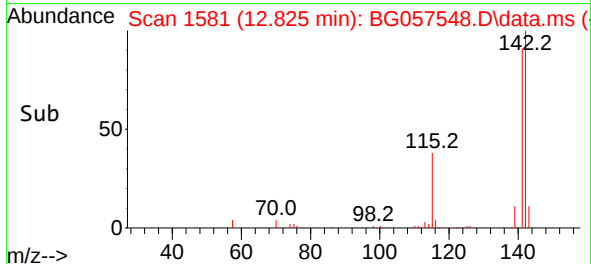
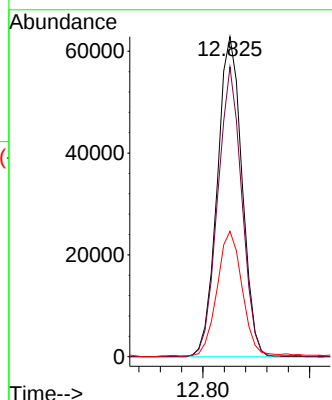
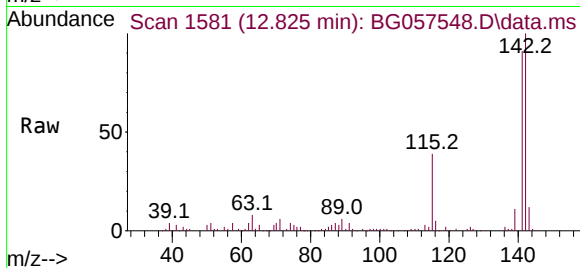
#37
2-Methylnaphthalene
Concen: 29.607 ng
RT: 12.825 min Scan# 1585
Delta R.T. -0.005 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523

Tgt Ion:142 Resp: 100889
Ion Ratio Lower Upper
142 100
141 90.6 73.1 109.7
115 39.2 34.6 52.0

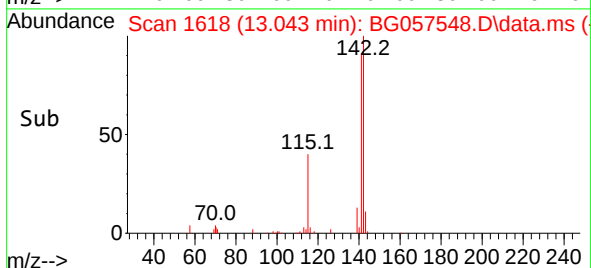
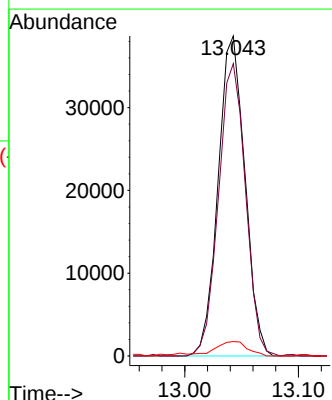
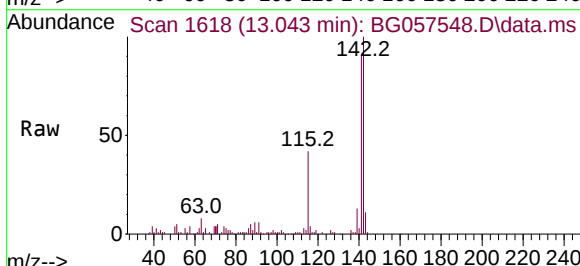
Manual Integrations
APPROVED

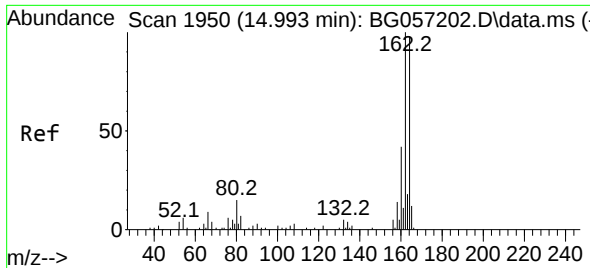
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#38
1-Methylnaphthalene
Concen: 19.678 ng
RT: 13.043 min Scan# 1618
Delta R.T. -0.005 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

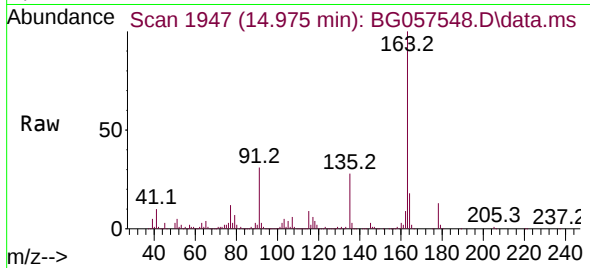
Tgt Ion:142 Resp: 63202
Ion Ratio Lower Upper
142 100
141 91.3 72.5 108.7
116 4.5 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

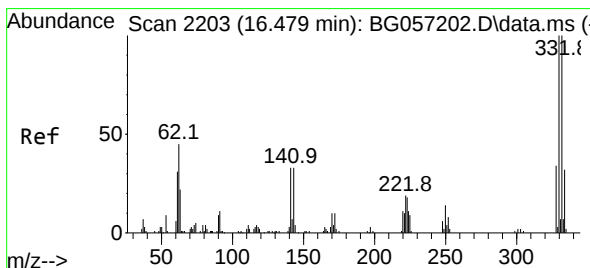
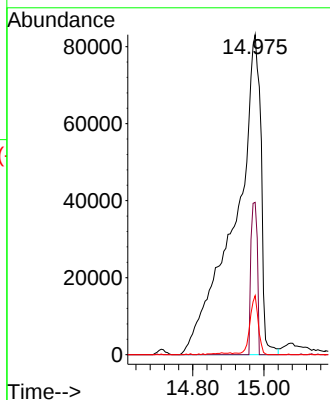
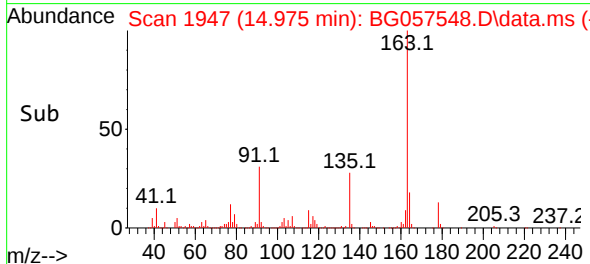
Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523



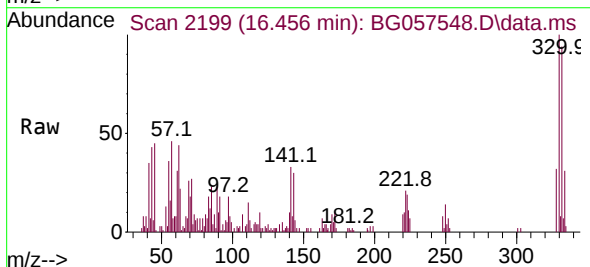
Tgt Ion:164 Resp: 42270
Ion Ratio Lower Upper
164 100
162 47.6 81.8 122.6
160 18.4 34.6 52.0

Manual Integrations
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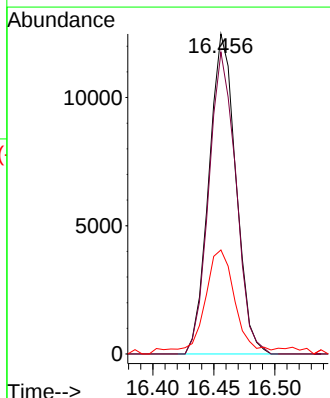
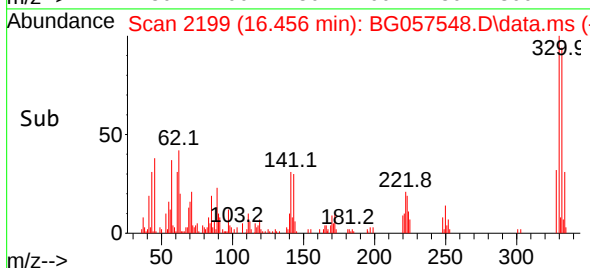
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

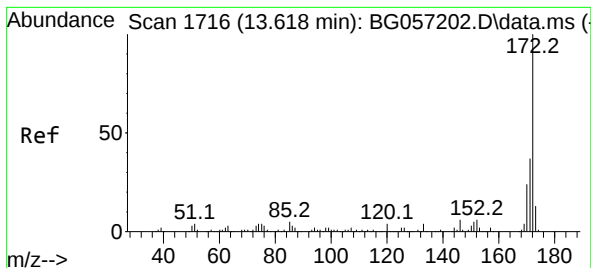


#42
2,4,6-Tribromophenol
Concen: 3.203 ng
RT: 16.456 min Scan# 2199
Delta R.T. -0.011 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25



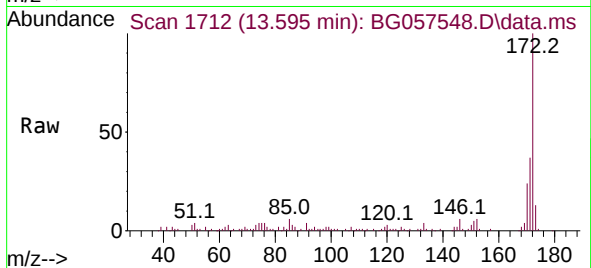
Tgt Ion:330 Resp: 19208
Ion Ratio Lower Upper
330 100
332 94.5 78.2 117.2
141 37.1 27.8 41.8





#45
2-Fluorobiphenyl
Concen: 2.036 ng
RT: 13.595 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25

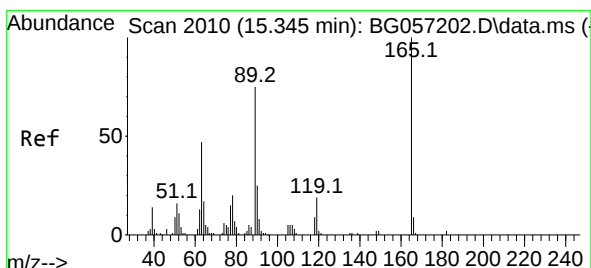
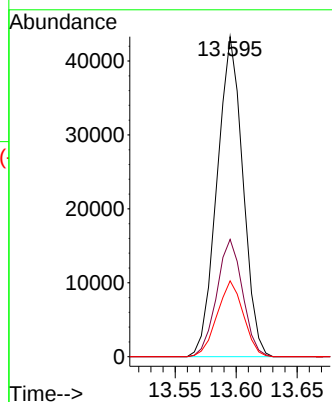
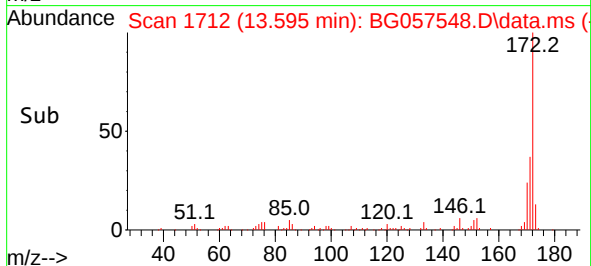
Instrument :
BNA_G
ClientSampleId :
OILY-WATER-0523



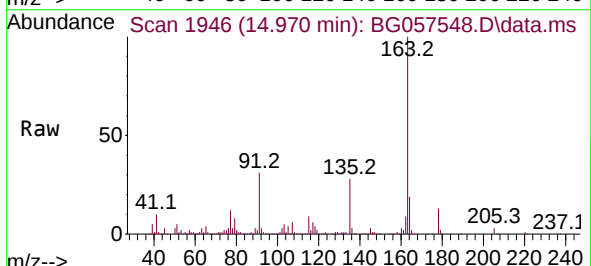
Tgt Ion:172 Resp: 6388
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 23.7 19.0 28.6

Manual Integrations
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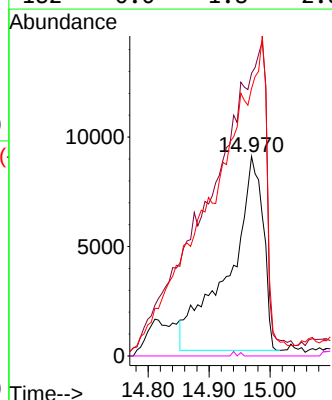
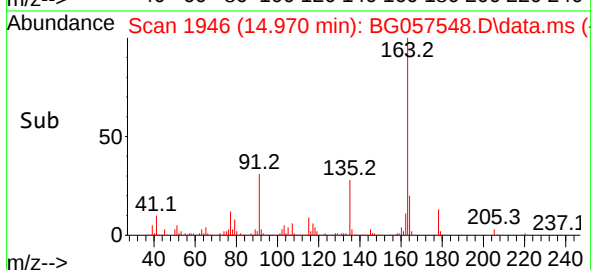
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

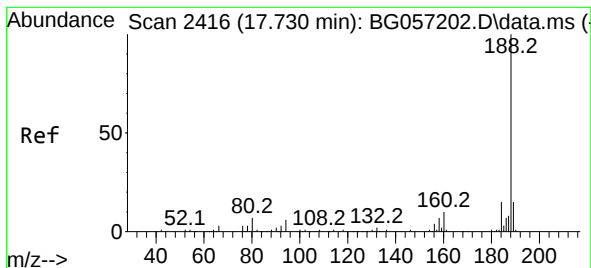


#57
2,4-Dinitrotoluene
Concen: 3.403 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.369 min
Lab File: BG057548.D
Acq: 25 May 2023 00:25



Tgt Ion:165 Resp: 34497
Ion Ratio Lower Upper
165 100
63 141.7 37.5 56.3#
89 134.1 60.2 90.4#
182 0.0 1.8 2.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.713 min Scan# 2413

Delta R.T. -0.011 min

Lab File: BG057548.D

Acq: 25 May 2023 00:25

Instrument :

BNA_G

ClientSampleId :

OILY-WATER-0523

Tgt Ion:188 Resp: 12758

Ion Ratio Lower Upper

188 100

94 6.4 5.1 7.7

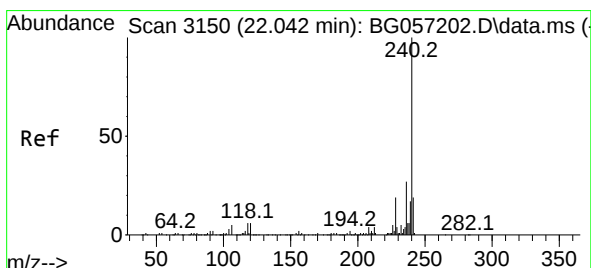
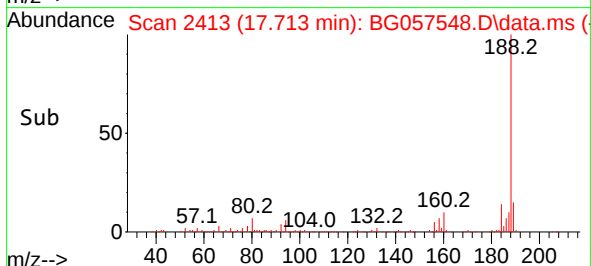
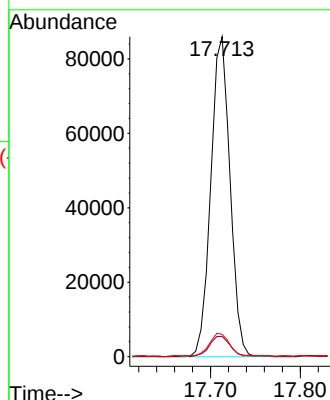
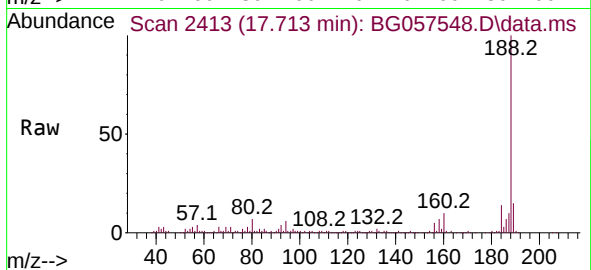
80 7.0 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/25/2023

Supervised By :Jagrut Upadhyay 05/25/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.019 min Scan# 3146

Delta R.T. -0.017 min

Lab File: BG057548.D

Acq: 25 May 2023 00:25

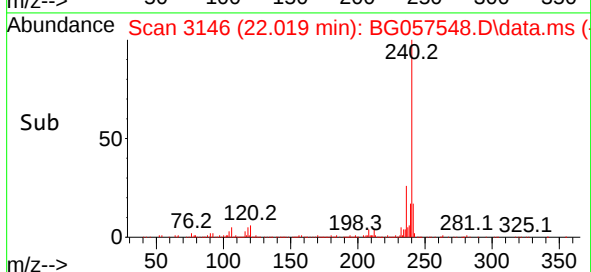
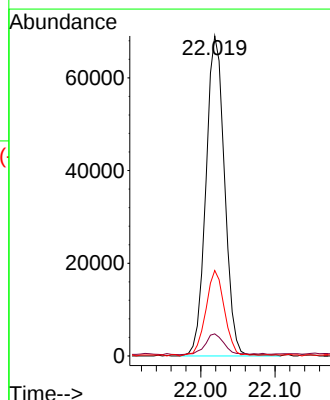
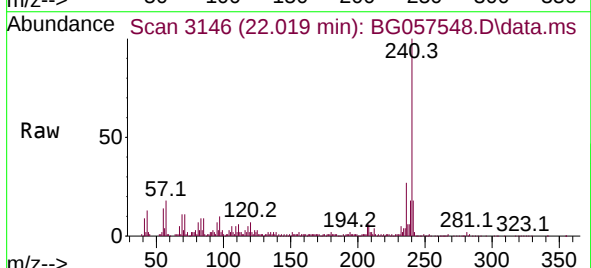
Tgt Ion:240 Resp: 120279

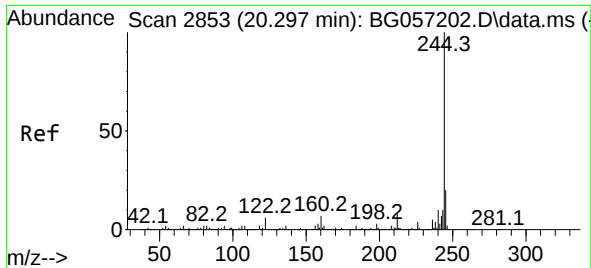
Ion Ratio Lower Upper

240 100

120 6.9 4.9 7.3

236 26.7 21.4 32.2





#79
 Terphenyl-d14
 Concen: 15.468 ng
 RT: 20.280 min Scan# 211
 Delta R.T. -0.011 min
 Lab File: BG057548.D
 Acq: 25 May 2023 00:25

Instrument :

BNA_G

ClientSampleId :

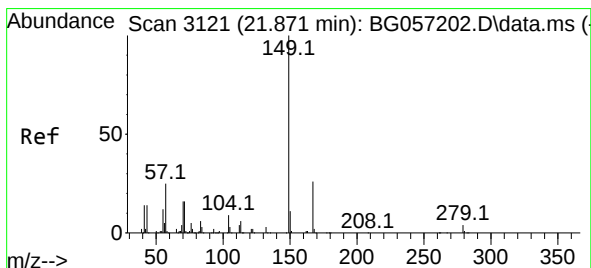
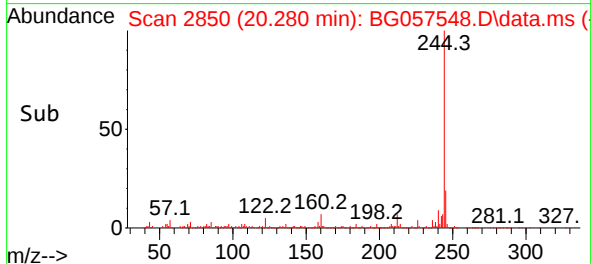
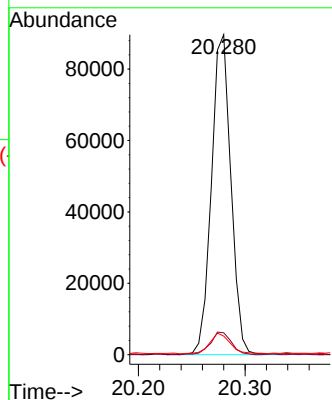
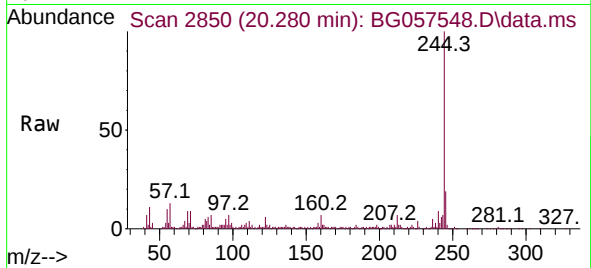
OILY-WATER-0523

Tgt Ion:244 Resp: 114008
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 5.8 5.1 7.7

Manual Integrations

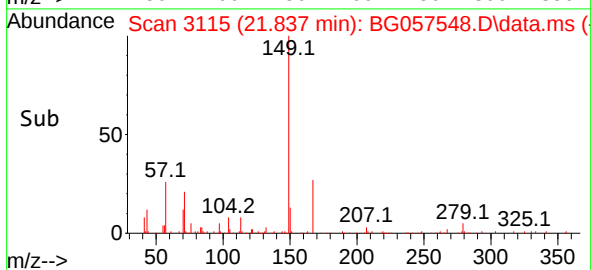
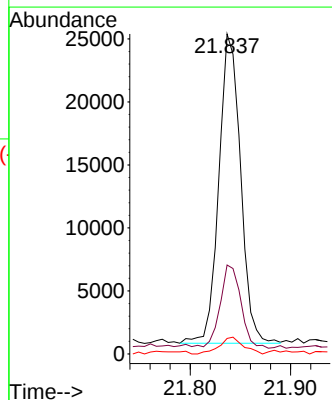
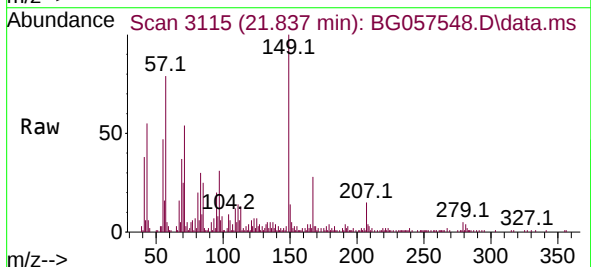
APPROVED

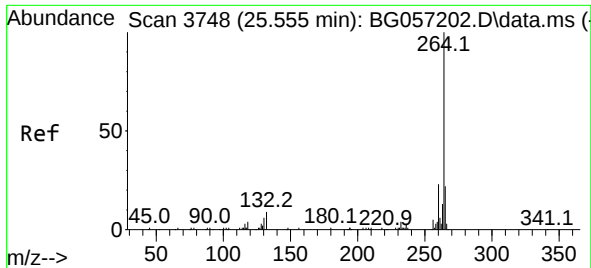
Reviewed By :Christian Giraldo 05/25/2023
 Supervised By :Jagrut Upadhyay 05/25/2023



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.983 ng
 RT: 21.837 min Scan# 3115
 Delta R.T. -0.011 min
 Lab File: BG057548.D
 Acq: 25 May 2023 00:25

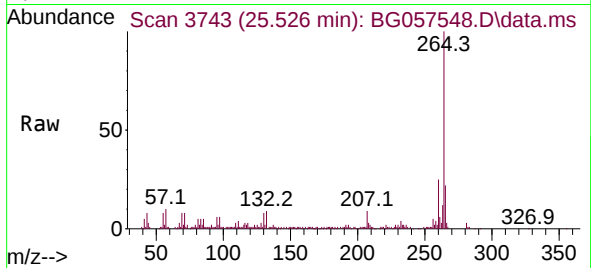
Tgt Ion:149 Resp: 36857
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.2 31.8
 279 4.9 3.5 5.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.526 min Scan# 31
 Delta R.T. -0.017 min
 Lab File: BG057548.D
 Acq: 25 May 2023 00:25

Instrument :
 BNA_G
 ClientSampleId :
 OILY-WATER-0523



Tgt Ion:264 Resp: 13160
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 22.0 17.9 26.9

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/25/2023
 Supervised By :Jagrut Upadhyay 05/25/2023

