

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072324\
 Data File : BG062198.D
 Acq On : 23 Jul 2024 23:22
 Operator : MA/JU
 Sample : P3244-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YDZD4

Manual Integrations
 APPROVED

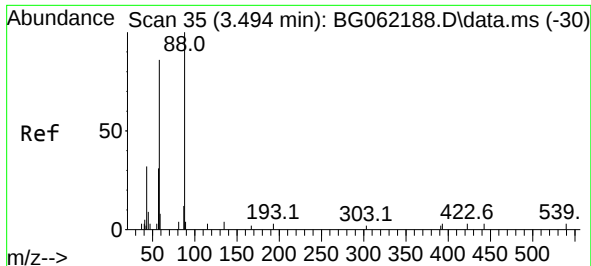
Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 02:26:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 19 14:38:52 2024
 Response via : Initial Calibration

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

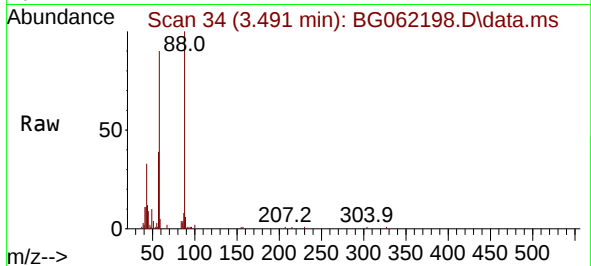
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	48590	20.000	ng/u1	0.00
20) Naphthalene-d8	10.887	136	194368	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.700	164	151071	20.000	ng/u1	# 0.00
64) Phenanthrene-d10	17.449	188	357703	20.000	ng/u1	0.00
79) Chrysene-d12	21.708	240	348364	20.000	ng/u1	0.00
88) Perylene-d12	24.950	264	383713	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.456	96	3615	3.474	ng/uL	0.00
4) Pyridine-d5	3.885	84	46682	12.345	ng/u1	0.00
7) Phenol-d5	7.274	99	26331m	5.504	ng/u1	0.03
9) Bis-(2-Chloroethyl)eth...	7.392	67	53616	19.507	ng/u1	0.00
11) 2-Chlorophenol-d4	7.609	132	50392	16.716	ng/u1	0.00
15) 4-Methylphenol-d8	8.825	113	41997m	11.528	ng/u1	0.04
21) Nitrobenzene-d5	9.242	128	34120	22.033	ng/u1	0.00
24) 2-Nitrophenol-d4	9.971	143	36301	19.476	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.529	165	78429	20.101	ng/u1	0.02
31) 4-Chloroaniline-d4	11.028	131	59890	12.760	ng/u1	0.00
46) Dimethylphthalate-d6	14.106	166	266868	20.841	ng/u1	0.00
49) Acenaphthylene-d8	14.400	160	287700	22.158	ng/u1	0.00
54) 4-Nitrophenol-d4	14.999	143	14138m	9.162	ng/u1	0.08
60) Fluorene-d10	15.692	176	228315	20.942	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	12117	5.330	ng/u1	0.00
73) Anthracene-d10	17.543	188	370995	22.203	ng/u1	0.00
81) Pyrene-d10	19.828	212	455772	23.075	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.721	264	425978	22.208	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.491	88	32628	23.916	ng/uL	96
13) 2-Methylphenol	8.555	108	12544	3.547	ng/u1	94
18) 4-Methylphenol	8.890	108	12662	3.247	ng/u1	96
26) 2,4-Dimethylphenol	10.123	107	553503m	117.017	ng/u1	
30) Naphthalene	10.940	128	773591	73.779	ng/u1	100
35) 4-Chloro-3-methylphenol	12.203	107	100171	22.537	ng/u1	94
36) 2-Methylnaphthalene	12.550	142	2145756	271.078	ng/u1	91
37) 1-Methylnaphthalene	12.767	142	1643146	201.320	ng/u1	97
43) 1,1'-Biphenyl	13.536	154	46496	4.348	ng/u1#	96
52) Acenaphthene	14.764	153	34682	3.691	ng/u1	96
56) Dibenzofuran	15.099	168	36198	2.558	ng/u1#	79
61) Fluorene	15.745	166	39719	3.274	ng/u1#	97
72) Phenanthrene	17.484	178	81376	4.728	ng/u1	97
78) Di-n-butylphthalate	18.389	149	50799	2.941	ng/u1#	96
80) Fluoranthene	19.493	202	33043	1.458	ng/u1#	92
82) Pyrene	19.851	202	30142	1.279	ng/u1#	95

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



#2
1,4-Dioxane
Concen: 23.916 ng/uL
RT: 3.491 min Scan# 34
Delta R.T. -0.003 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

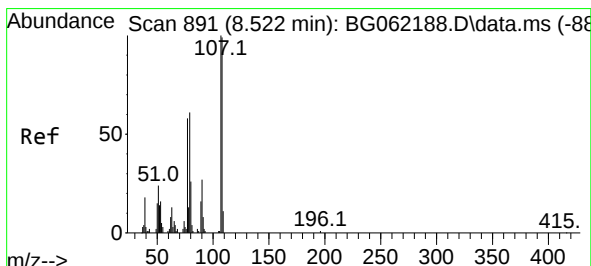
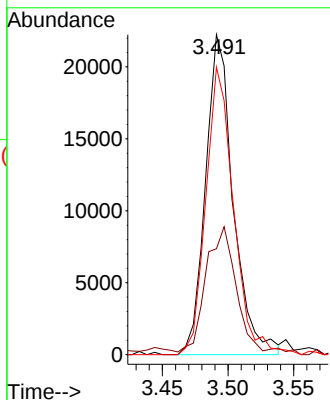
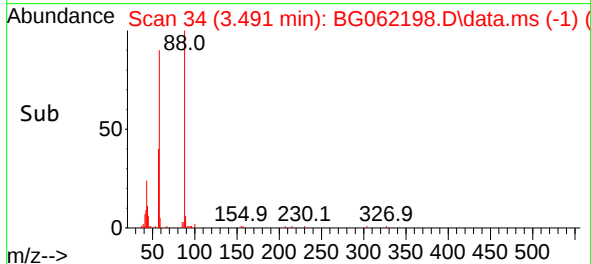
Instrument :
BNA_G
ClientSampleId :
YDZD4



Tgt Ion: 88 Resp: 32628
Ion Ratio Lower Upper
88 100
43 33.1 25.0 37.4
58 89.9 75.4 113.2

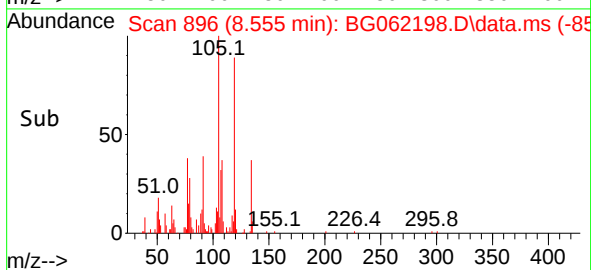
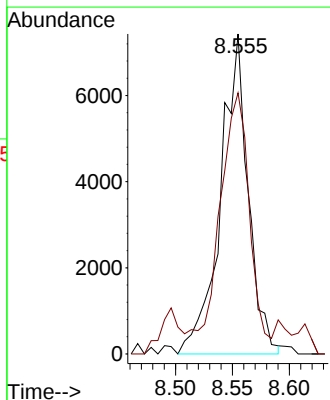
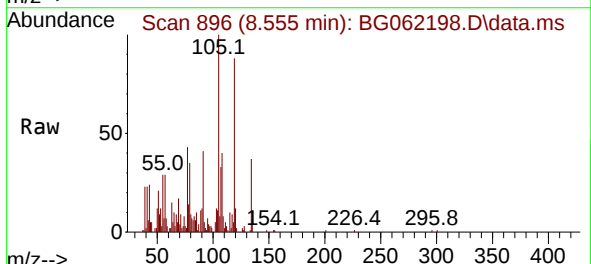
Manual Integrations
APPROVED

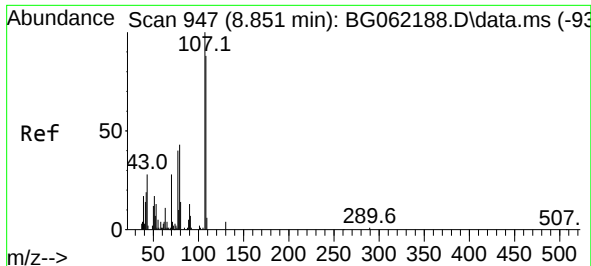
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#13
2-Methylphenol
Concen: 3.547 ng/uL
RT: 8.555 min Scan# 896
Delta R.T. 0.033 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

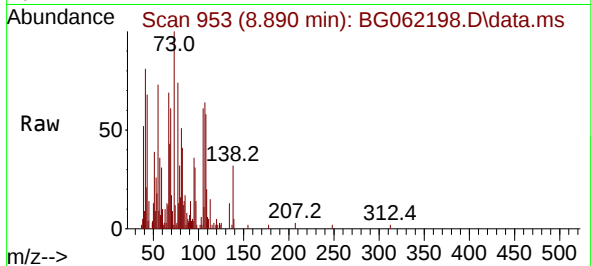
Tgt Ion:108 Resp: 12544
Ion Ratio Lower Upper
108 100
107 81.6 69.4 104.2





#18
4-Methylphenol
Concen: 3.247 ng/ul
RT: 8.890 min Scan# 91
Delta R.T. 0.044 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

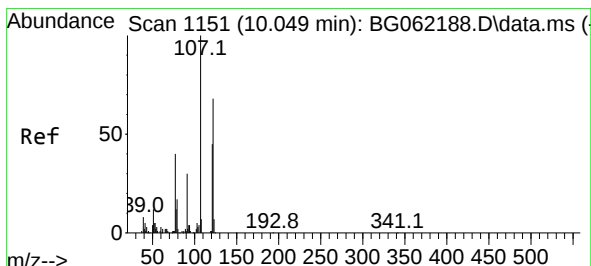
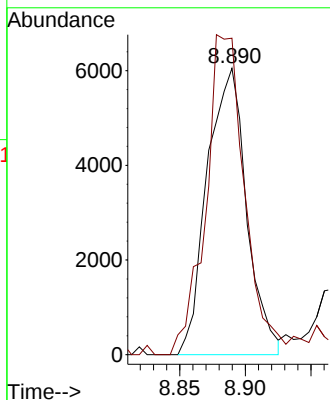
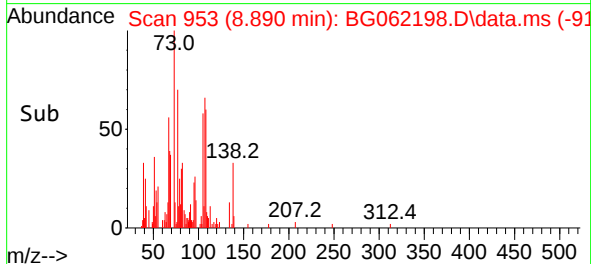
Instrument :
BNA_G
ClientSampleId :
YDZD4



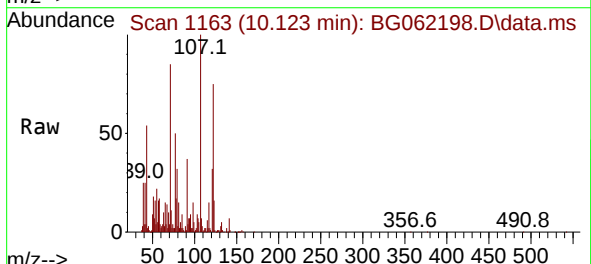
Tgt Ion:108 Resp: 1266
Ion Ratio Lower Upper
108 100
107 110.5 91.8 137.6

Manual Integrations
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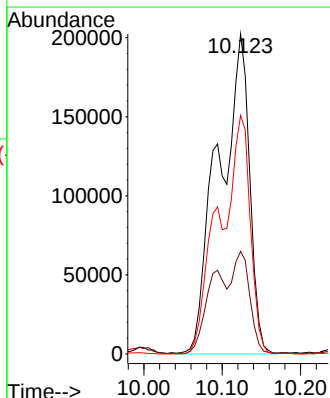
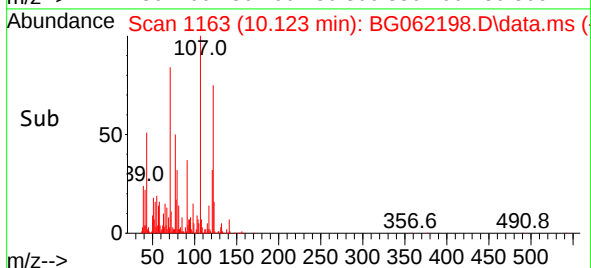
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024

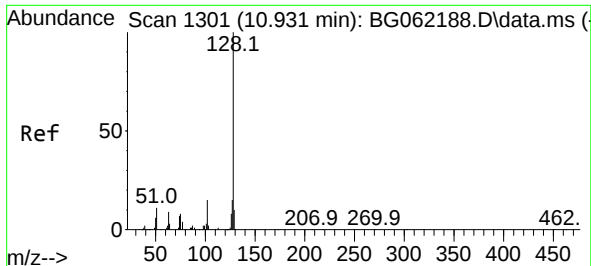


#26
2,4-Dimethylphenol
Concen: 117.017 ng/ul m
RT: 10.123 min Scan# 1163
Delta R.T. 0.074 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22



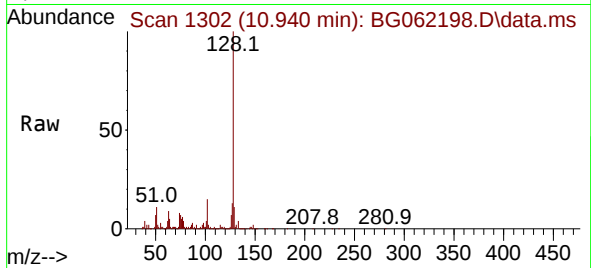
Tgt Ion:107 Resp: 553503
Ion Ratio Lower Upper
107 100
121 32.1 30.6 45.8
122 74.6 57.8 86.8





#30
Naphthalene
Concen: 73.779 ng/ul
RT: 10.940 min Scan# 11
Delta R.T. 0.009 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

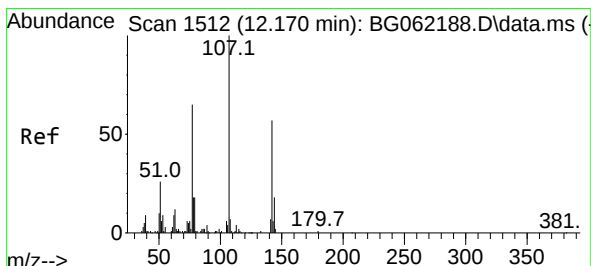
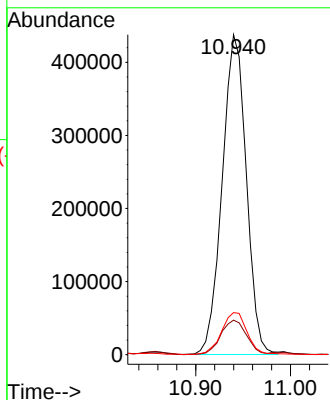
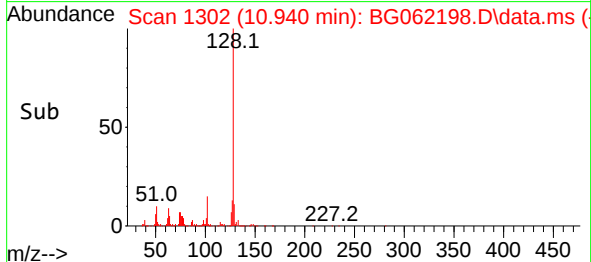
Instrument :
BNA_G
ClientSampleId :
YDZD4



Tgt Ion:128 Resp: 77359
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.1 10.6 15.8

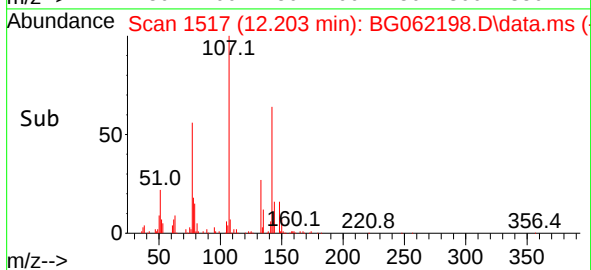
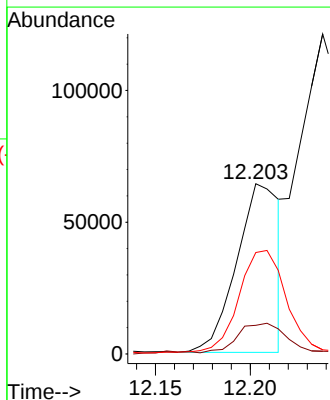
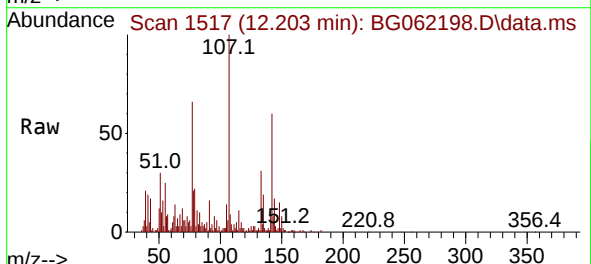
Manual Integrations
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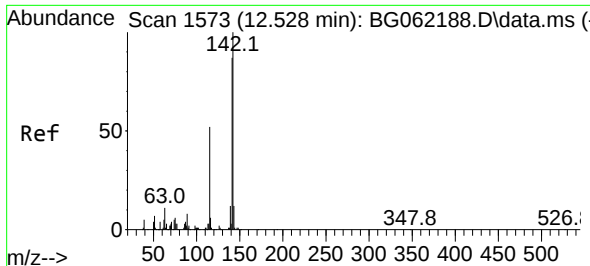
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#35
4-Chloro-3-methylphenol
Concen: 22.537 ng/ul
RT: 12.203 min Scan# 1517
Delta R.T. 0.033 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

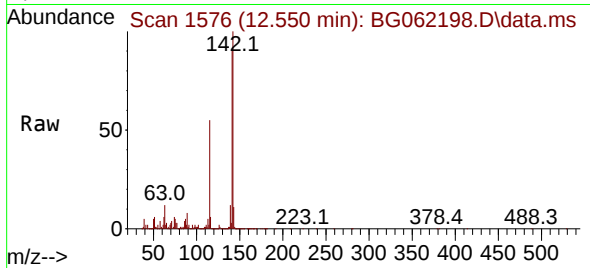
Tgt Ion:107 Resp: 100171
Ion Ratio Lower Upper
107 100
144 16.8 14.5 21.7
142 59.6 52.2 78.4





#36
2-Methylnaphthalene
Concen: 271.078 ng/ul
RT: 12.550 min Scan# 1576
Delta R.T. 0.021 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

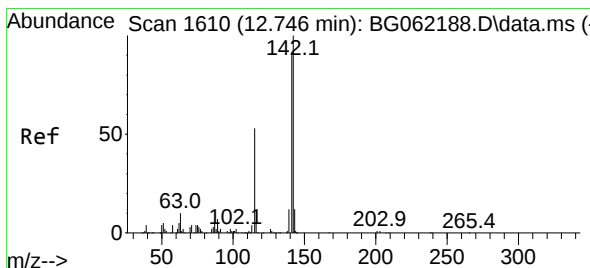
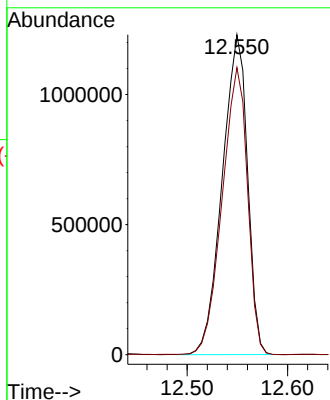
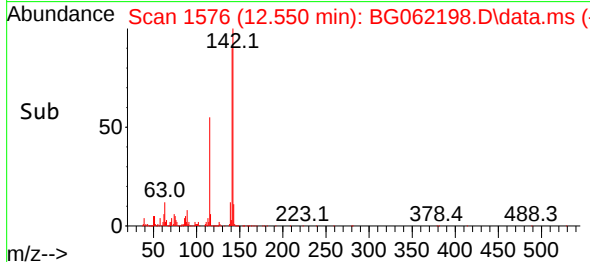
Instrument :
BNA_G
ClientSampleId :
YDZD4



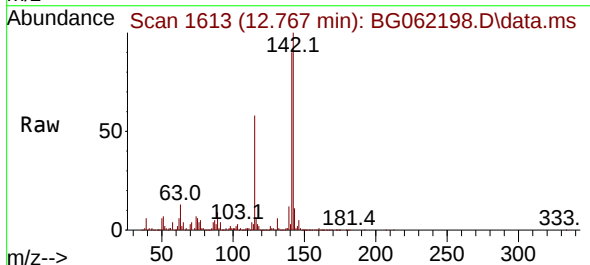
Tgt Ion:142 Resp: 2145750
Ion Ratio Lower Upper
142 100
141 89.7 79.1 118.7

Manual Integrations
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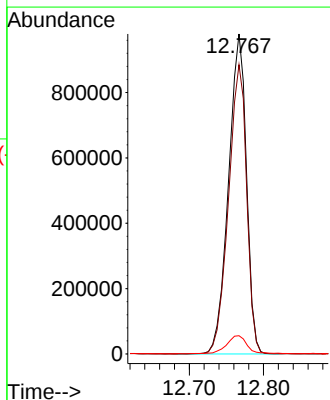
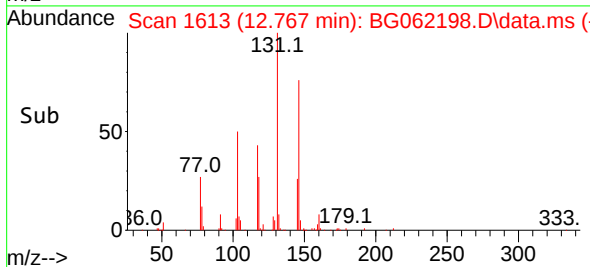
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024

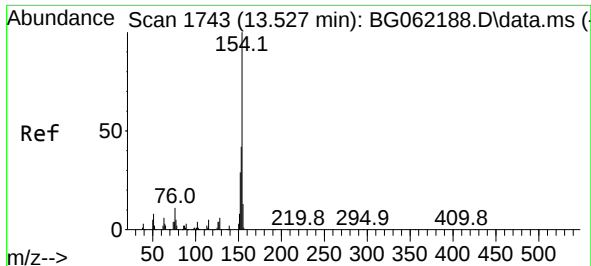


#37
1-Methylnaphthalene
Concen: 201.320 ng/ul
RT: 12.767 min Scan# 1613
Delta R.T. 0.015 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22



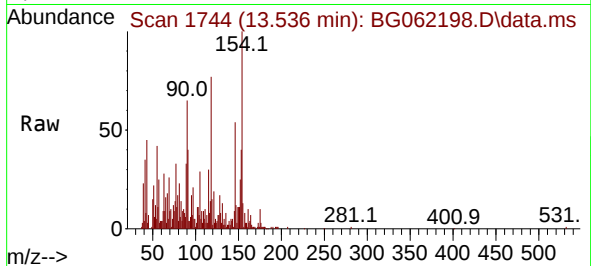
Tgt Ion:142 Resp: 1643146
Ion Ratio Lower Upper
142 100
141 90.4 75.0 112.4
116 5.7 4.5 6.7





#43
1,1'-Biphenyl
Concen: 4.348 ng/ul
RT: 13.536 min Scan# 1744
Delta R.T. 0.003 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

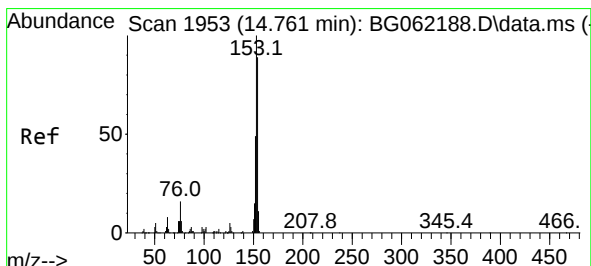
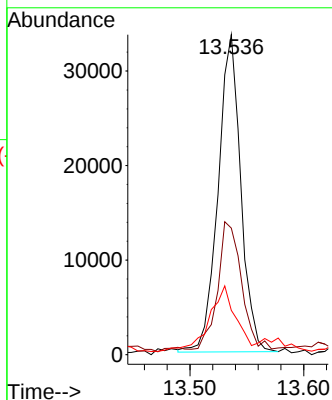
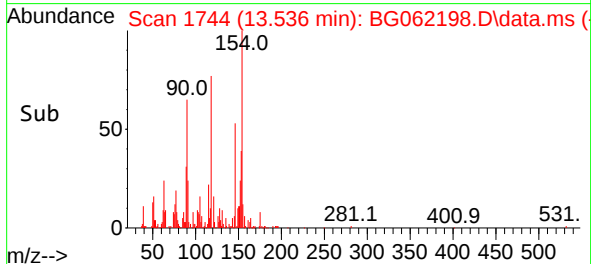
Instrument :
BNA_G
ClientSampleId :
YDZD4



Tgt Ion:154 Resp: 46490
Ion Ratio Lower Upper
154 100
153 39.6 30.3 45.5
76 13.9 9.0 13.6

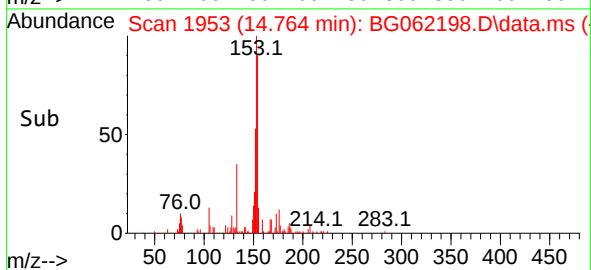
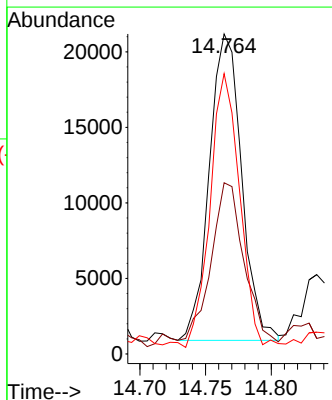
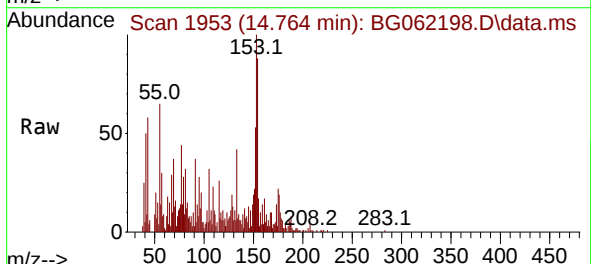
Manual Integrations
APPROVED

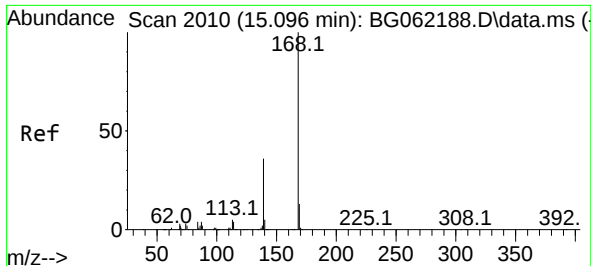
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#52
Acenaphthene
Concen: 3.691 ng/ul
RT: 14.764 min Scan# 1953
Delta R.T. 0.003 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

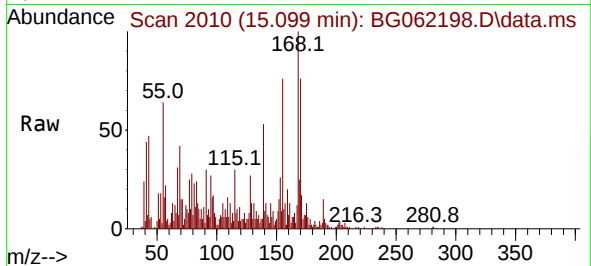
Tgt Ion:153 Resp: 34682
Ion Ratio Lower Upper
153 100
152 53.5 38.2 57.4
154 87.6 71.0 106.6





#56
Dibenzenofuran
Concen: 2.558 ng/ul
RT: 15.099 min Scan# 2010
Delta R.T. 0.003 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

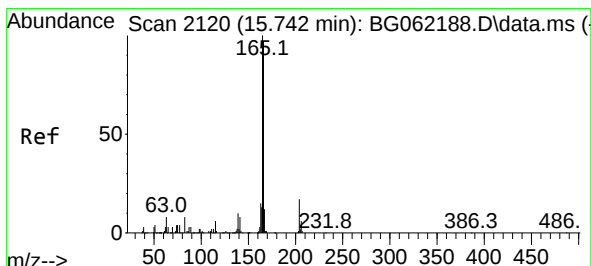
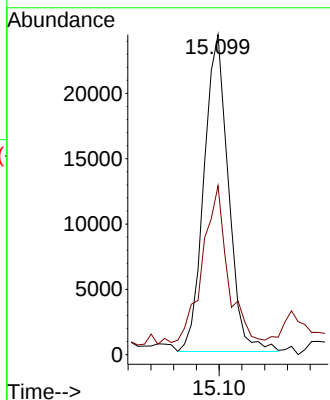
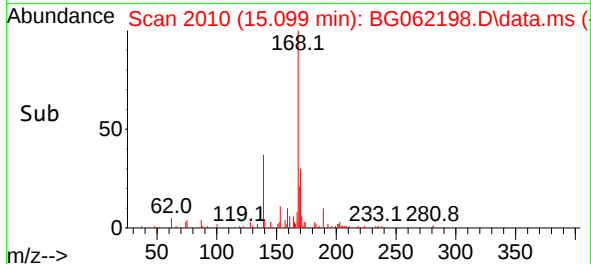
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ClientSampleId :
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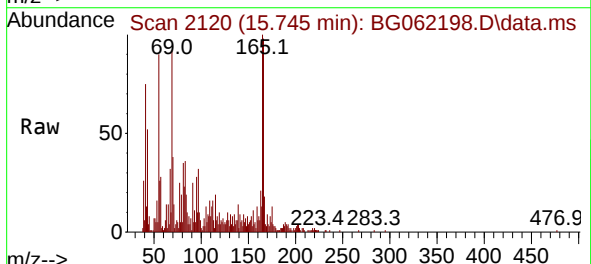
Tgt Ion:168 Resp: 36198
Ion Ratio Lower Upper
168 100
139 52.8 31.8 47.6

Manual Integrations
APPROVED

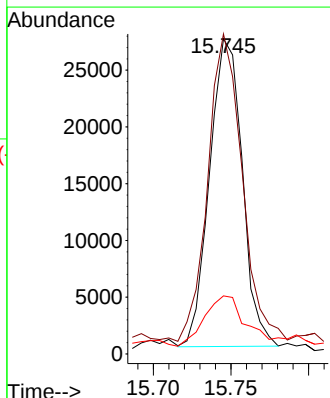
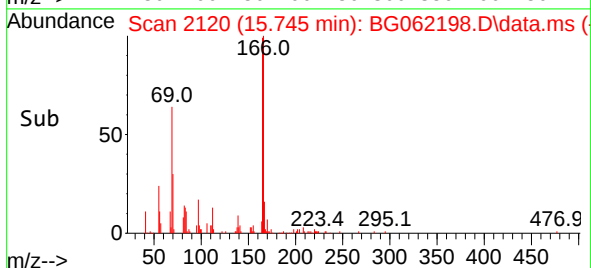
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024

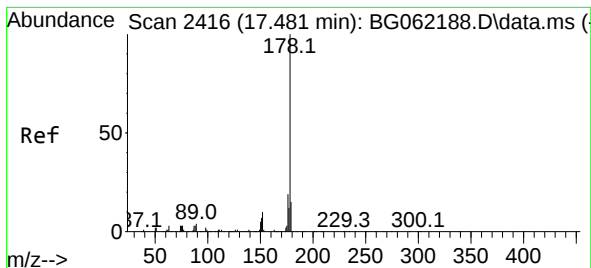


#61
Fluorene
Concen: 3.274 ng/ul
RT: 15.745 min Scan# 2120
Delta R.T. 0.003 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22



Tgt Ion:166 Resp: 39719
Ion Ratio Lower Upper
166 100
165 101.5 80.2 120.2
167 18.4 10.9 16.3





#72

Phenanthrene

Concen: 4.728 ng/ul

RT: 17.484 min Scan# 2416

Delta R.T. 0.003 min

Lab File: BG062198.D

Acq: 23 Jul 2024 23:22

Instrument :

BNA_G

ClientSampleId :

YDZD4

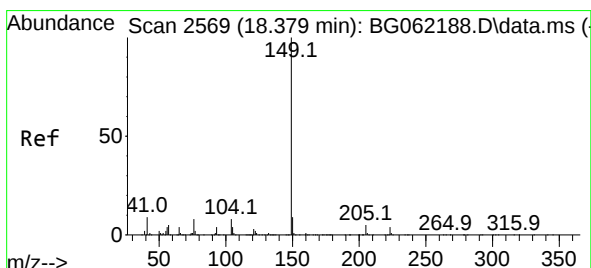
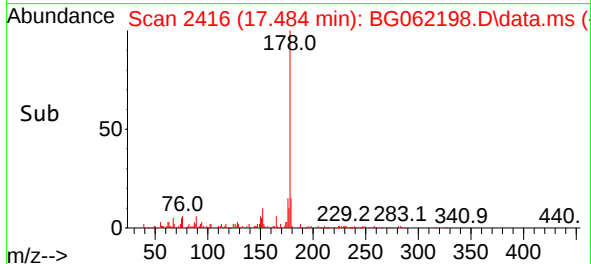
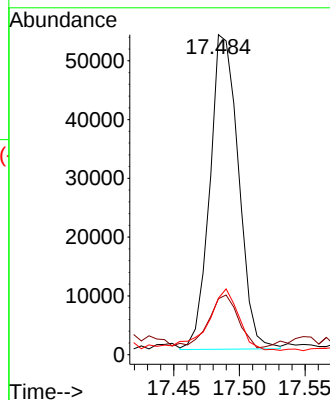
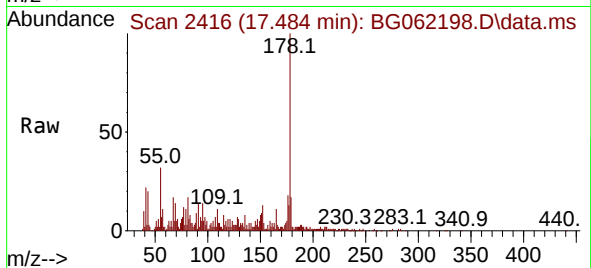
Tgt Ion:178 Resp: 81370

Ion	Ratio	Lower	Upper
178	100		
179	17.5	14.1	21.1
176	17.6	16.3	24.5

Manual Integrations

APPROVED

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#78

Di-n-butylphthalate

Concen: 2.941 ng/ul

RT: 18.389 min Scan# 2570

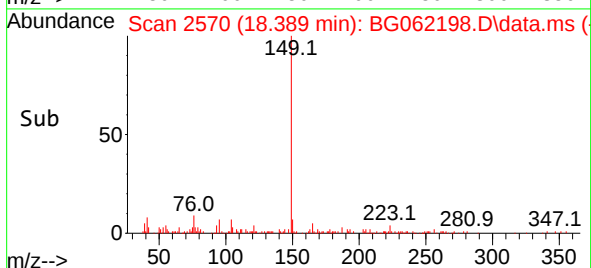
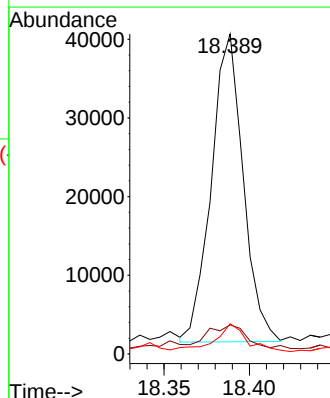
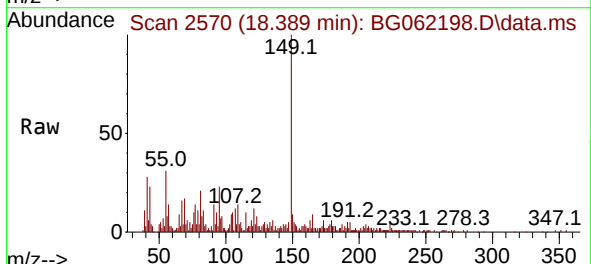
Delta R.T. 0.003 min

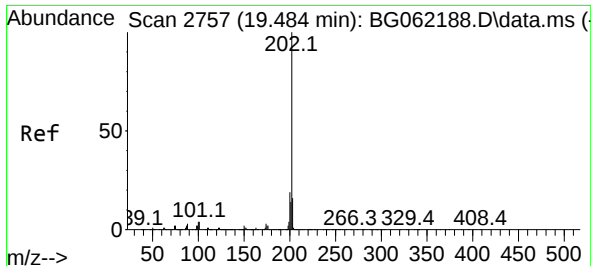
Lab File: BG062198.D

Acq: 23 Jul 2024 23:22

Tgt Ion:149 Resp: 50799

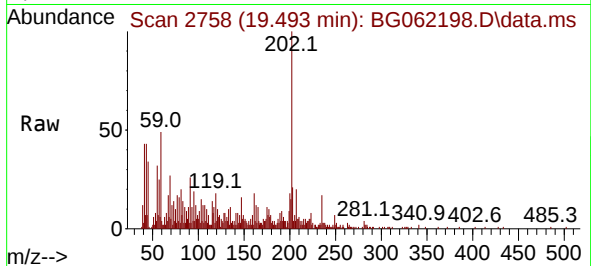
Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	9.5	5.2	7.8





#80
Fluoranthene
Concen: 1.458 ng/ul
RT: 19.493 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

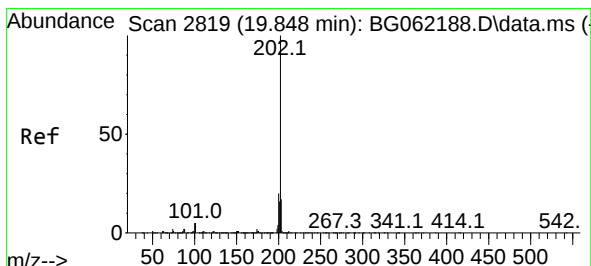
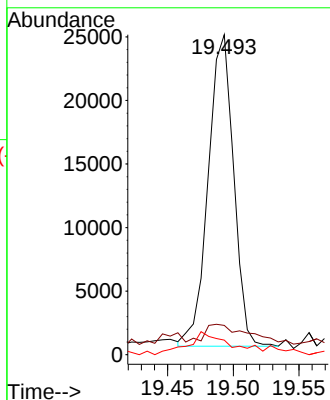
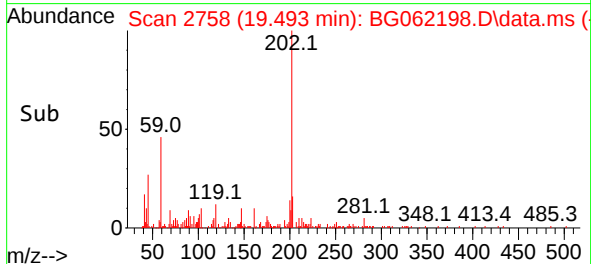
Instrument :
BNA_G
ClientSampleId :
YDZD4



Tgt Ion:202 Resp: 3304
Ion Ratio Lower Upper
202 100
101 9.1 4.2 6.2
100 4.6 3.1 4.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#82
Pyrene
Concen: 1.279 ng/ul
RT: 19.851 min Scan# 2819
Delta R.T. 0.003 min
Lab File: BG062198.D
Acq: 23 Jul 2024 23:22

Tgt Ion:202 Resp: 30142
Ion Ratio Lower Upper
202 100
101 8.1 4.2 6.4#
100 5.7 4.0 6.0

