

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030823\
 Data File : BG056890.D
 Acq On : 8 Mar 2023 21:17
 Operator : CG/JU
 Sample : 01784-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCAD9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/09/2023
 Supervised By : Jagrut Upadhyay 03/09/2023

Quant Time: Mar 09 00:01:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030723.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 08 23:58:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.415	152	14702	20.000	ng/u1	0.00
20) Naphthalene-d8	11.258	136	62171	20.000	ng/u1	0.00
38) Acenaphthene-d10	15.030	164	51447	20.000	ng/u1	# 0.00
64) Phenanthrene-d10	17.774	188	131935	20.000	ng/u1	0.00
79) Chrysene-d12	22.093	240	136704	20.000	ng/u1	0.00
88) Perylene-d12	25.642	264	150734	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.691	96	1664	4.389	ng/uL	0.00
4) Pyridine-d5	4.137	84	9321m	7.558	ng/u1	0.00
7) Phenol-d5	7.539	99	9383	6.227	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.721	67	28131	29.722	ng/u1	0.00
11) 2-Chlorophenol-d4	7.939	132	23244	24.647	ng/u1	0.00
15) 4-Methylphenol-d8	9.102	113	16591	14.592	ng/u1	0.00
21) Nitrobenzene-d5	9.590	128	16479	31.958	ng/u1	0.00
24) 2-Nitrophenol-d4	10.324	143	18582	30.461	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.865	165	32486	27.493	ng/u1	0.00
31) 4-Chloroaniline-d4	11.382	131	29688	19.068	ng/u1	0.00
46) Dimethylphthalate-d6	14.419	166	143667	32.647	ng/u1	0.00
49) Acenaphthylene-d8	14.731	160	145295	30.071	ng/u1	0.00
54) 4-Nitrophenol-d4	15.189	143	4779	6.409	ng/u1	0.00
60) Fluorene-d10	16.017	176	125950	30.865	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.117	200	30867	32.372	ng/u1	0.00
73) Anthracene-d10	17.874	188	208976	32.772	ng/u1	0.00
81) Pyrene-d10	20.136	212	269271	32.338	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.401	264	270766	32.806	ng/u1	0.00
Target Compounds					Qvalue	
29) 2,4-Dichlorophenol	10.923	162	4050	3.555	ng/u1#	86
30) Naphthalene	11.311	128	139584	40.645	ng/u1	98
36) 2-Methylnaphthalene	12.886	142	2746	1.112	ng/u1	91
37) 1-Methylnaphthalene	13.103	142	32134	13.019	ng/u1	96
43) 1,1'-Biphenyl	13.867	154	8412	2.183	ng/u1	94
50) Acenaphthylene	14.760	152	10581	2.167	ng/u1#	86
52) Acenaphthene	15.101	153	240185	70.328	ng/u1	97
56) Dibenzofuran	15.424	168	216538	41.477	ng/u1	98
61) Fluorene	16.070	166	49149	11.822	ng/u1	98
72) Phenanthrene	17.815	178	198950	28.020	ng/u1	98
74) Anthracene	17.904	178	19707	2.725	ng/u1	96
77) Carbazole	18.174	167	428021	69.731	ng/u1	99
80) Fluoranthene	19.801	202	17584	1.772	ng/u1	98

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

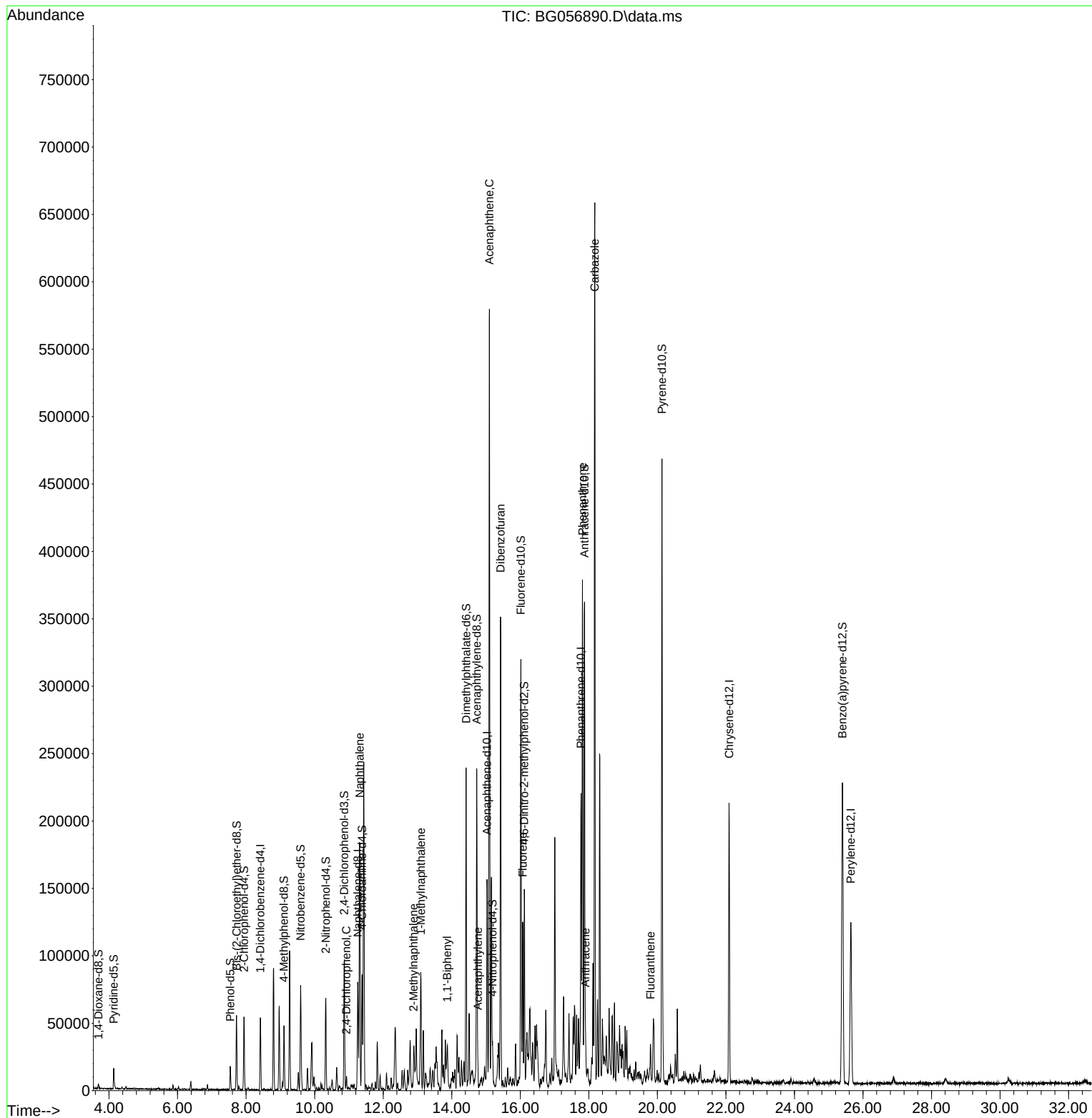
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030823\
Data File : BG056890.D
Acq On : 8 Mar 2023 21:17
Operator : CG/JU
Sample : 01784-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

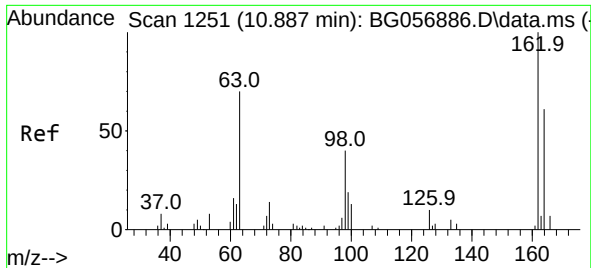
Instrument :
BNA_G
ClientSampleId :
DCAD9

Quant Time: Mar 09 00:01:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030723.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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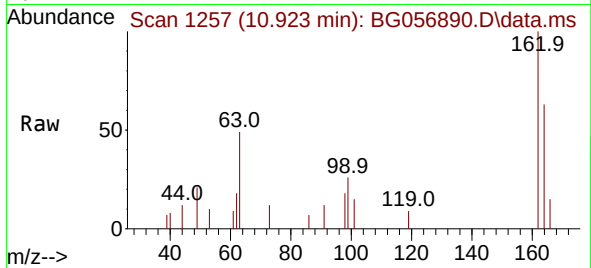
Reviewed By : Christian Giraldo 03/09/2023
Supervised By : Jagrut Upadhyay 03/09/2023





#29
2,4-Dichlorophenol
Concen: 3.555 ng/ul
RT: 10.923 min Scan# 1257
Delta R.T. 0.036 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17

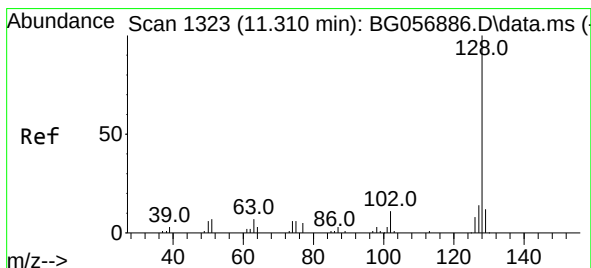
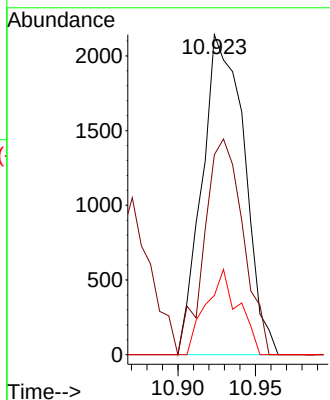
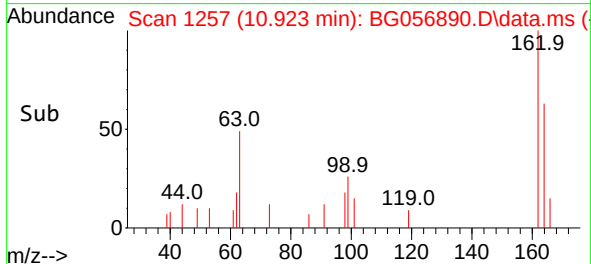
Instrument :
BNA_G
ClientSampleId :
DCAD9



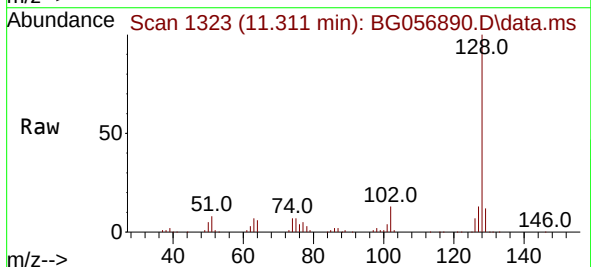
Tgt Ion:162 Resp: 4050
Ion Ratio Lower Upper
162 100
164 62.5 53.7 80.5
98 18.5 28.7 43.1

Manual Integrations
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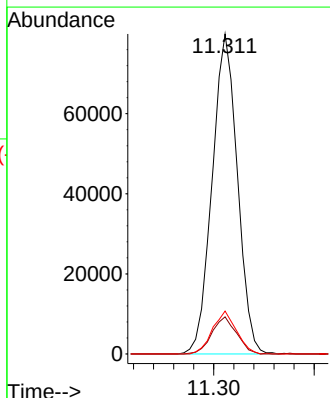
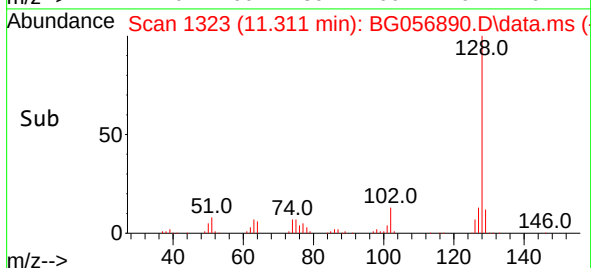
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023

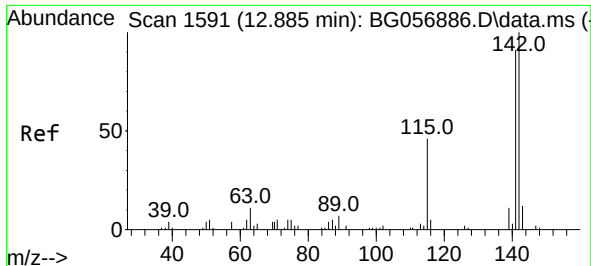


#30
Naphthalene
Concen: 40.645 ng/ul
RT: 11.311 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17



Tgt Ion:128 Resp: 139584
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.0
127 13.4 11.8 17.6





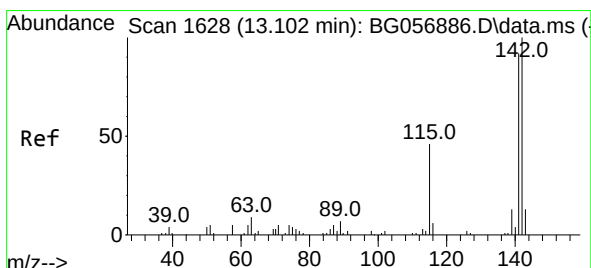
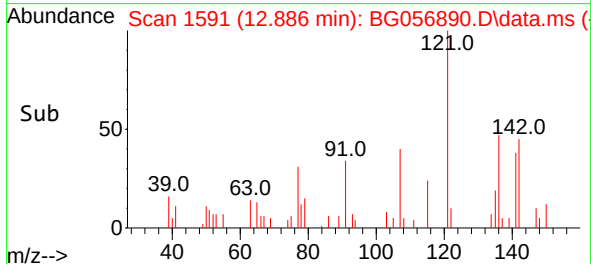
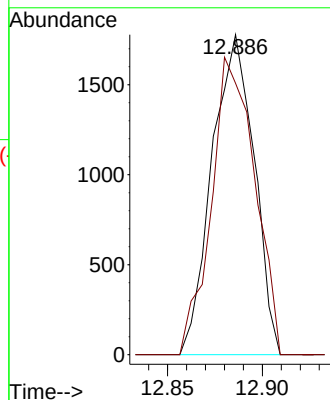
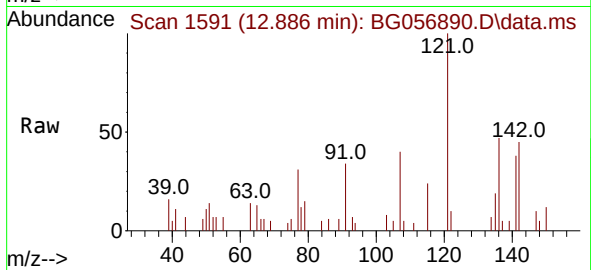
#36
2-Methylnaphthalene
Concen: 1.112 ng/ul
RT: 12.886 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17

Instrument :
BNA_G
ClientSampleId :
DCAD9

Tgt Ion:142 Resp: 2740
Ion Ratio Lower Upper
142 100
141 84.8 74.6 111.8

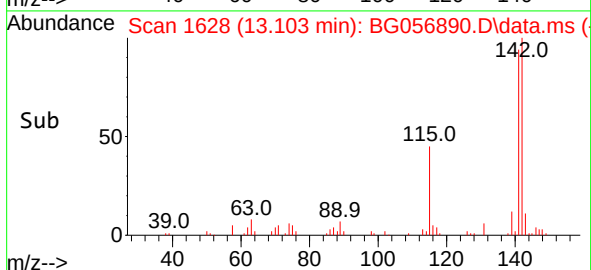
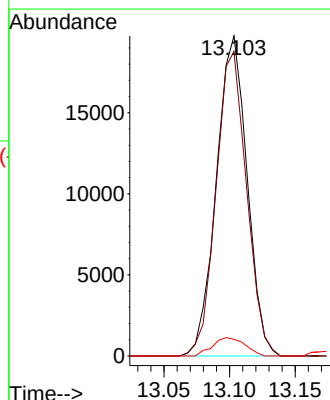
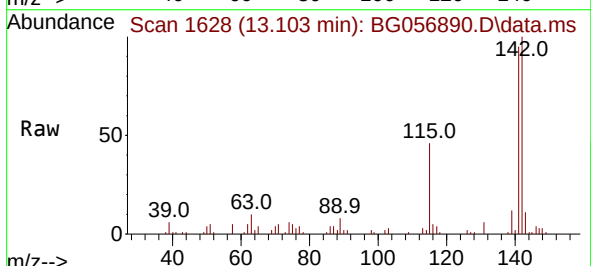
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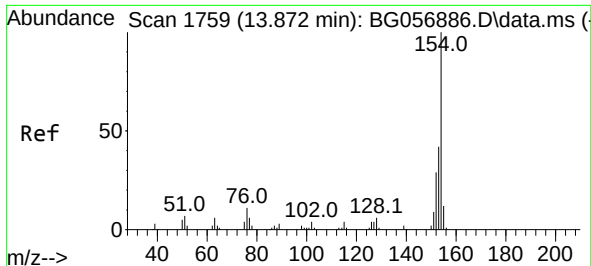
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023



#37
1-Methylnaphthalene
Concen: 13.019 ng/ul
RT: 13.103 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17

Tgt Ion:142 Resp: 32134
Ion Ratio Lower Upper
142 100
141 95.1 73.0 109.4
116 5.2 4.6 7.0





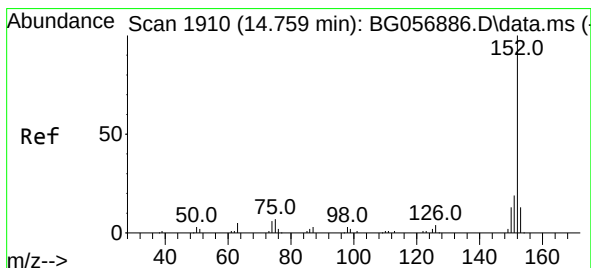
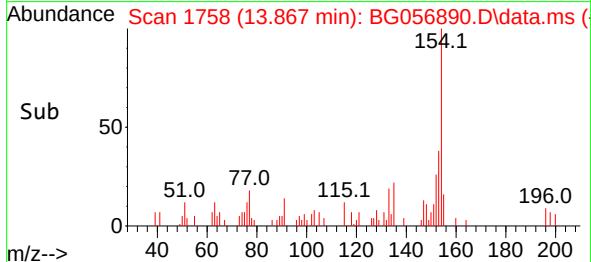
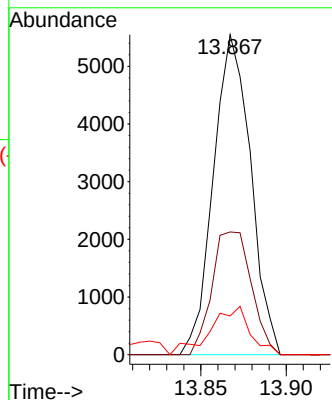
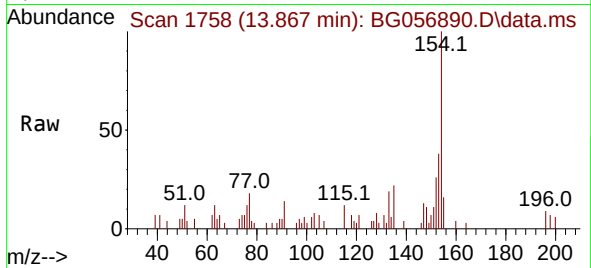
#43
1,1'-Biphenyl
Concen: 2.183 ng/ul
RT: 13.867 min Scan# 1759
Delta R.T. -0.005 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17

Instrument :
BNA_G
ClientSampleId :
DCAD9

Tgt Ion:154 Resp: 841
Ion Ratio Lower Upper
154 100
153 38.4 34.2 51.4
76 12.1 9.2 13.8

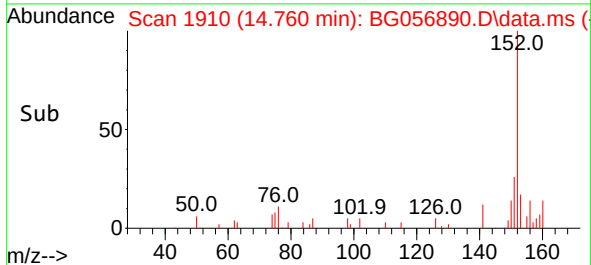
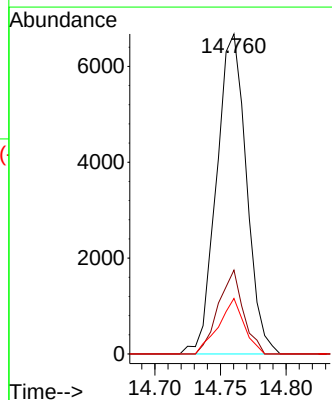
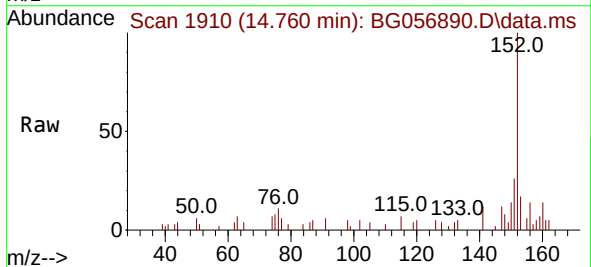
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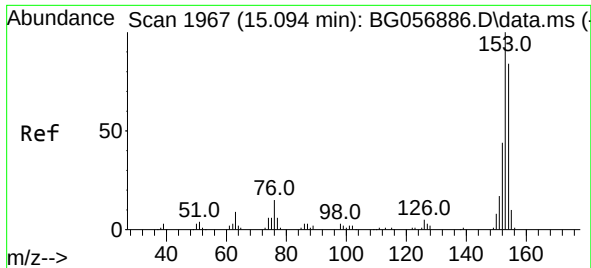
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023



#50
Acenaphthylene
Concen: 2.167 ng/ul
RT: 14.760 min Scan# 1910
Delta R.T. 0.000 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17

Tgt Ion:152 Resp: 10581
Ion Ratio Lower Upper
152 100
151 26.2 15.2 22.8#
153 17.4 10.6 16.0#





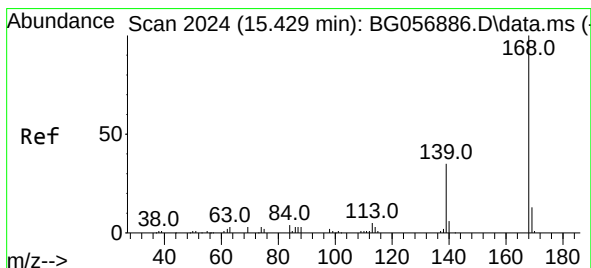
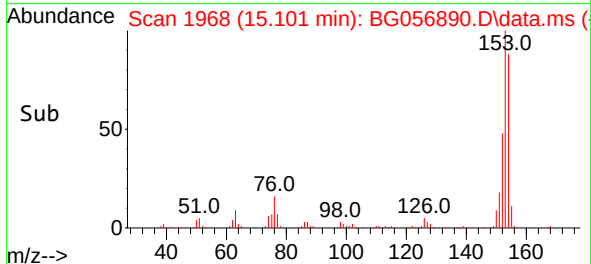
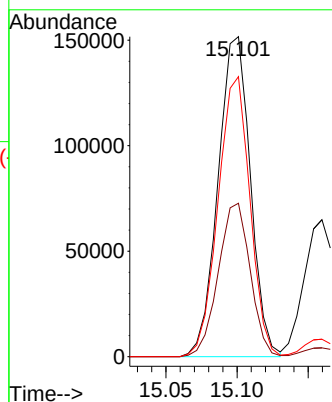
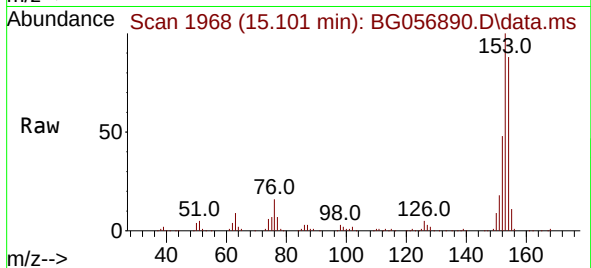
#52
Acenaphthene
Concen: 70.328 ng/ul
RT: 15.101 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17

Instrument :
BNA_G
ClientSampleId :
DCAD9

Tgt Ion:153 Resp: 24018
Ion Ratio Lower Upper
153 100
152 48.0 40.5 60.7
154 87.5 67.8 101.8

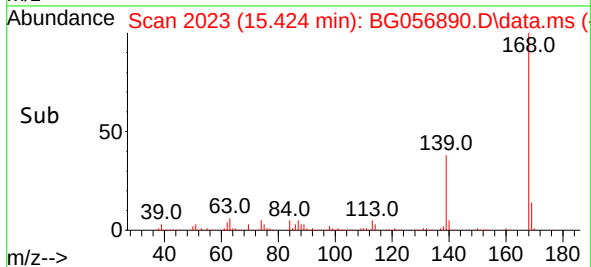
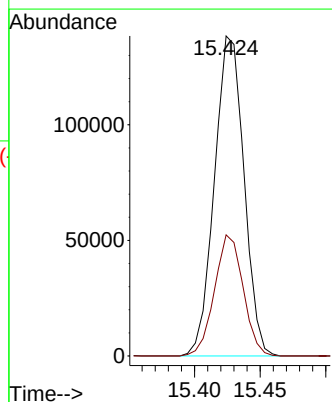
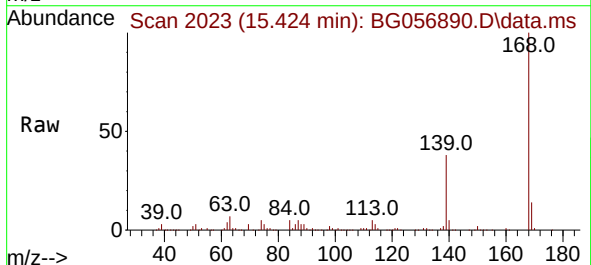
Manual Integrations
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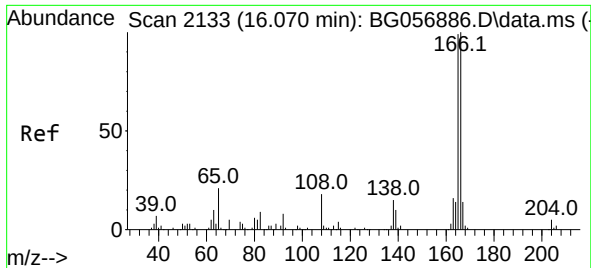
Reviewed By :Christian Giraldo 03/09/2023
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#56
Dibenzofuran
Concen: 41.477 ng/ul
RT: 15.424 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17

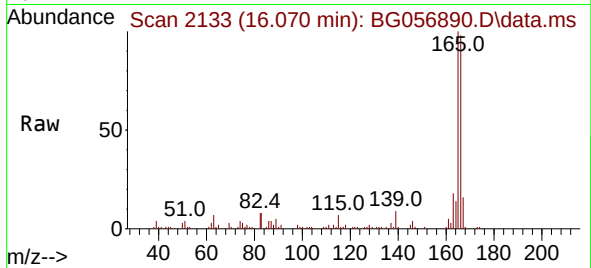
Tgt Ion:168 Resp: 216538
Ion Ratio Lower Upper
168 100
139 37.9 29.5 44.3





#61
Fluorene
Concen: 11.822 ng/ul
RT: 16.070 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17

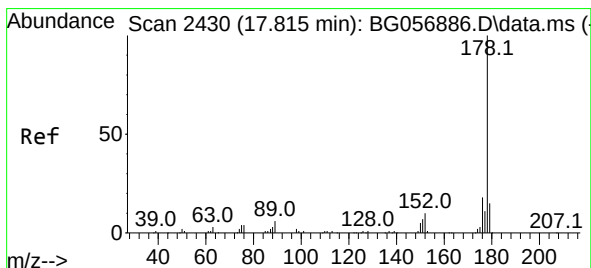
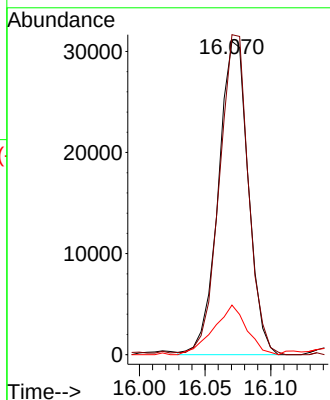
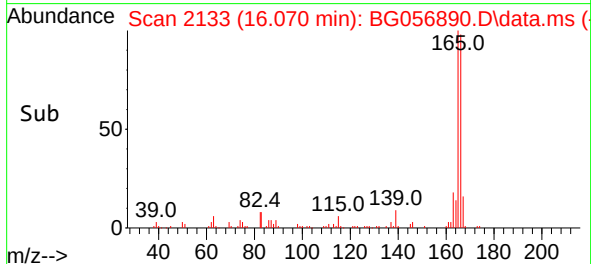
Instrument :
BNA_G
ClientSampleId :
DCAD9



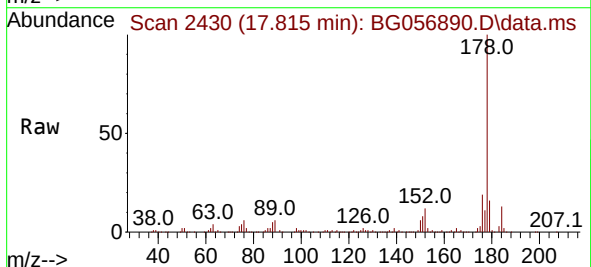
Tgt Ion:166 Resp: 49149
Ion Ratio Lower Upper
166 100
165 102.2 80.5 120.7
167 15.9 11.3 16.9

Manual Integrations
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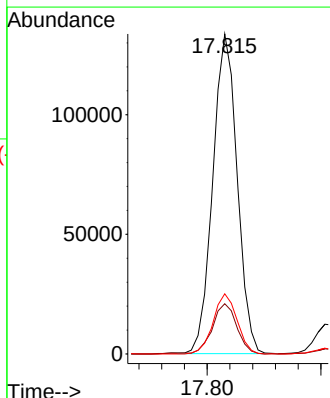
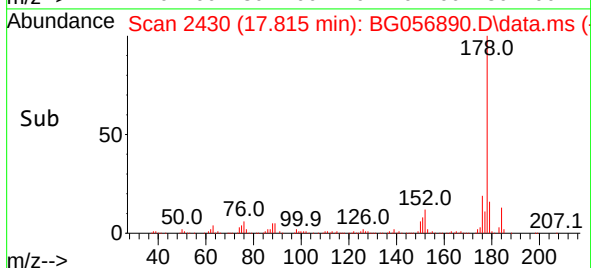
Reviewed By :Christian Giraldo 03/09/2023
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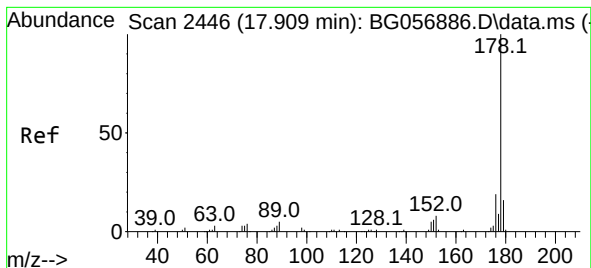


#72
Phenanthrene
Concen: 28.020 ng/ul
RT: 17.815 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BG056890.D
Acq: 8 Mar 2023 21:17



Tgt Ion:178 Resp: 198950
Ion Ratio Lower Upper
178 100
179 15.7 11.9 17.9
176 18.8 14.6 22.0





#74

Anthracene

Concen: 2.725 ng/ul

RT: 17.904 min Scan# 2446

Delta R.T. -0.005 min

Lab File: BG056890.D

Acq: 8 Mar 2023 21:17

Instrument :

BNA_G

ClientSampleId :

DCAD9

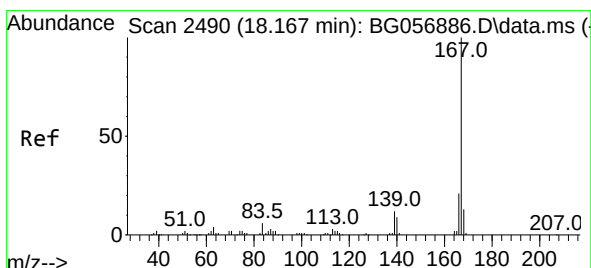
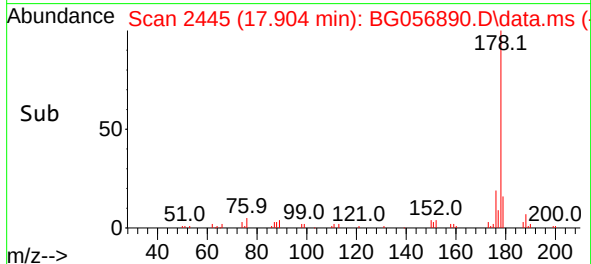
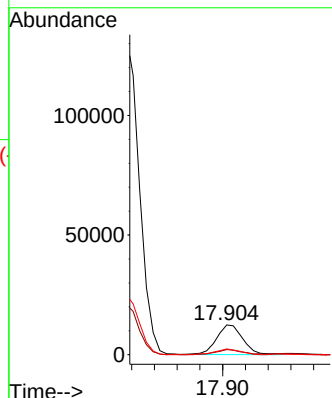
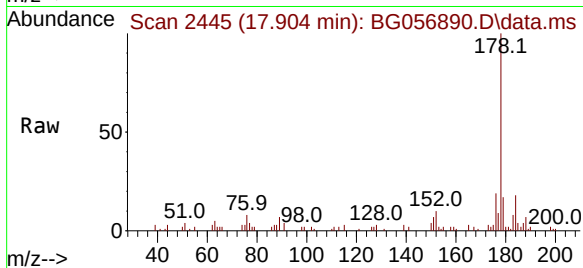
Tgt Ion:	178	Resp:	1970
Ion Ratio	Lower	Upper	
178	100		
179	17.0	12.4	18.6
176	19.2	14.2	21.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/09/2023



#77

Carbazole

Concen: 69.731 ng/ul

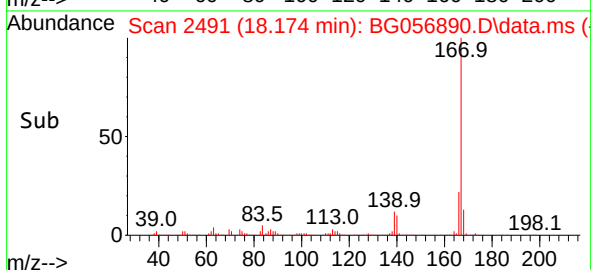
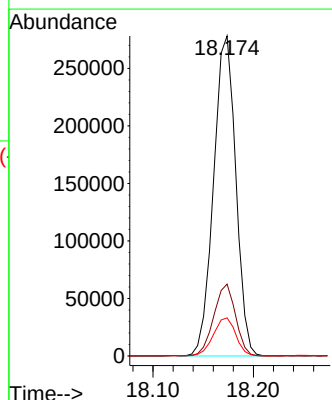
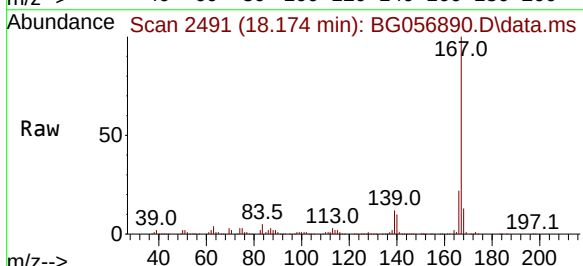
RT: 18.174 min Scan# 2491

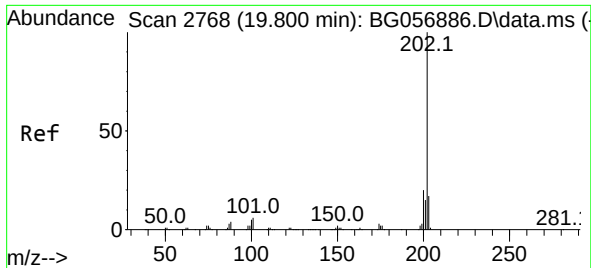
Delta R.T. 0.006 min

Lab File: BG056890.D

Acq: 8 Mar 2023 21:17

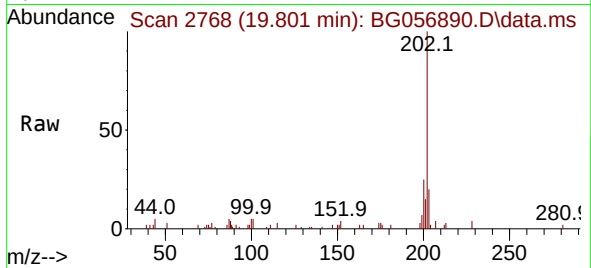
Tgt Ion:	167	Resp:	428021
Ion Ratio	Lower	Upper	
167	100		
166	22.4	18.1	27.1
139	11.9	10.2	15.2





#80
 Fluoranthene
 Concen: 1.772 ng/ul
 RT: 19.801 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056890.D
 Acq: 8 Mar 2023 21:17

Instrument :
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Tgt Ion:202 Resp: 17584
 Ion Ratio Lower Upper
 202 100
 101 5.4 5.0 7.6
 100 4.7 3.6 5.4

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