

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057253.D
 Acq On : 1 May 2023 16:06
 Operator : CG/JU
 Sample : 02418-27
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW901

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2023
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 01 23:28:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.385	152	13536	20.000	ng/u1	0.00
20) Naphthalene-d8	11.216	136	58493	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.993	164	43264	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.731	188	96585	20.000	ng/u1	0.00
79) Chrysene-d12	22.048	240	82589	20.000	ng/u1	# 0.00
88) Perylene-d12	25.561	264	89365	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.656	96	574	1.866	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.515	99	18786	14.675	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.686	67	11933	15.849	ng/u1	0.00
11) 2-Chlorophenol-d4	7.909	132	13673	16.208	ng/u1	0.00
15) 4-Methylphenol-d8	9.084	113	7941	8.162	ng/u1	0.00
21) Nitrobenzene-d5	9.559	128	8011	17.198	ng/u1	0.00
24) 2-Nitrophenol-d4	10.288	143	9423	17.334	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.828	165	17198	16.397	ng/u1	0.00
31) 4-Chloroaniline-d4	11.345	131	8232	5.922	ng/u1	0.00
46) Dimethylphthalate-d6	14.377	166	63480	18.518	ng/u1	0.00
49) Acenaphthylene-d8	14.694	160	73145	18.984	ng/u1	0.00
54) 4-Nitrophenol-d4	15.181	143	5208	10.437	ng/u1	0.00
60) Fluorene-d10	15.974	176	57664	18.056	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.092	200	6196	10.827	ng/u1	0.00
73) Anthracene-d10	17.831	188	85029	19.287	ng/u1	0.00
81) Pyrene-d10	20.098	212	99816	20.361	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.321	264	92650	20.350	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	9.207	105	8701	5.197	ng/u1	95
30) Naphthalene	11.269	128	7626	2.375	ng/u1#	96
36) 2-Methylnaphthalene	12.849	142	3038	1.290	ng/u1	96
37) 1-Methylnaphthalene	13.067	142	2825	1.193	ng/u1#	93
52) Acenaphthene	15.052	153	9414	3.375	ng/u1	96
56) Dibenzofuran	15.387	168	12209	3.031	ng/u1	96
61) Fluorene	16.033	166	18937	5.559	ng/u1	93
72) Phenanthrene	17.778	178	282170	56.101	ng/u1	100
74) Anthracene	17.866	178	52007	10.294	ng/u1	98
77) Carbazole	18.130	167	26938	6.380	ng/u1	97
80) Fluoranthene	19.769	202	407619m	69.998	ng/u1	
82) Pyrene	20.128	202	313322	53.149	ng/u1#	97
85) Benzo(a)anthracene	22.025	228	179104	30.663	ng/u1	99
87) Chrysene	22.095	228	162822	29.546	ng/u1	96
90) Benzo(b)fluoranthene	24.439	252	201553	32.569	ng/u1	96
91) Benzo(k)fluoranthene	24.504	252	68558m	11.387	ng/u1	
93) Benzo(a)pyrene	25.403	252	132957m	24.886	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.621	276	87405	13.088	ng/u1	99
95) Dibenzo(a,h)anthracene	29.673	278	26722m	4.825	ng/u1	
96) Benzo(g,h,i)perylene	30.895	276	65960m	12.204	ng/u1	

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

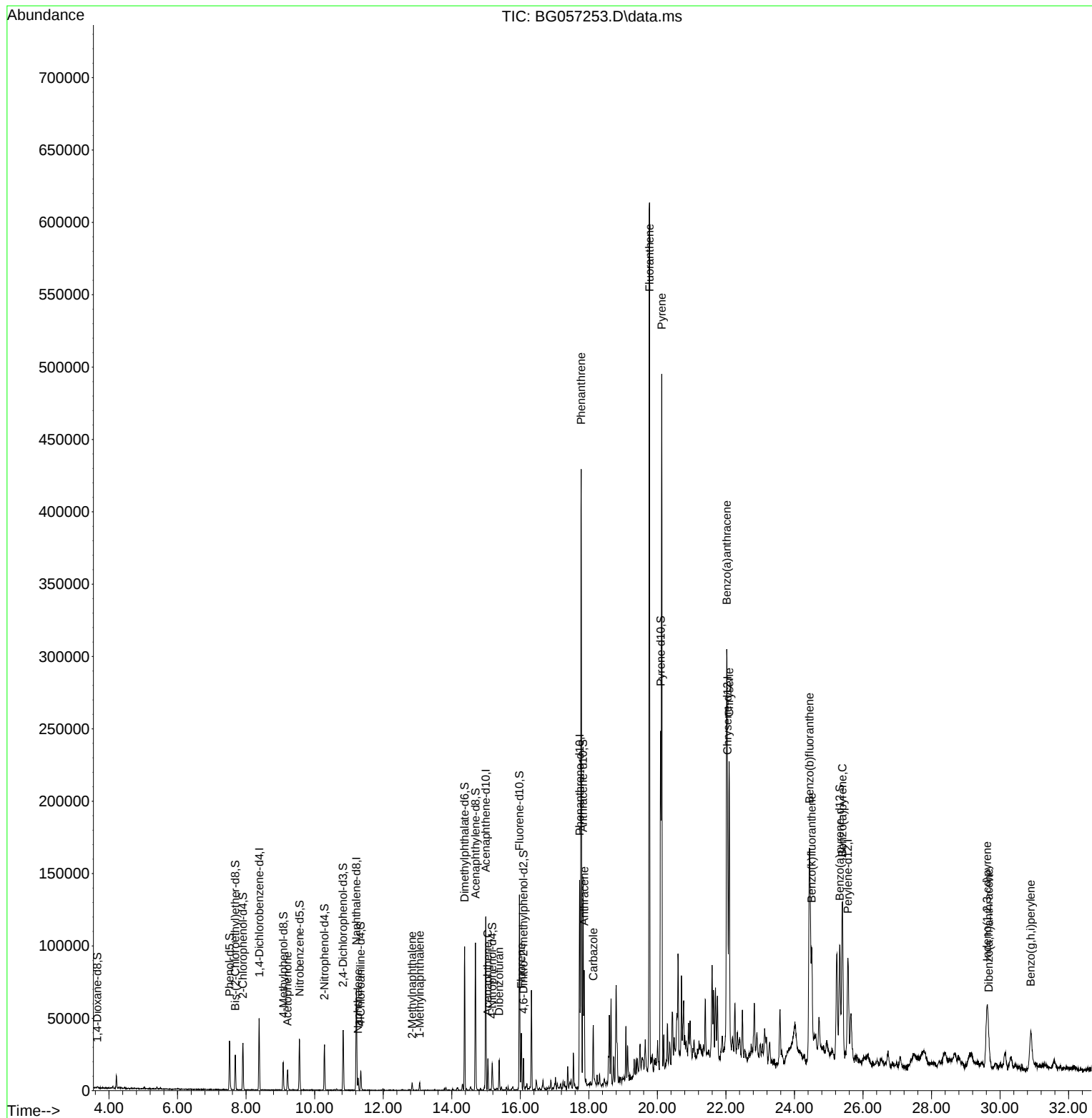
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057253.D
Acq On : 1 May 2023 16:06
Operator : CG/JU
Sample : 02418-27
Misc :
ALS Vial : 10 Sample Multiplier: 1

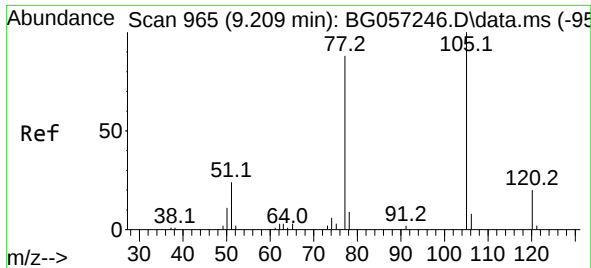
Instrument :
BNA_G
ClientSampleId :
EW901

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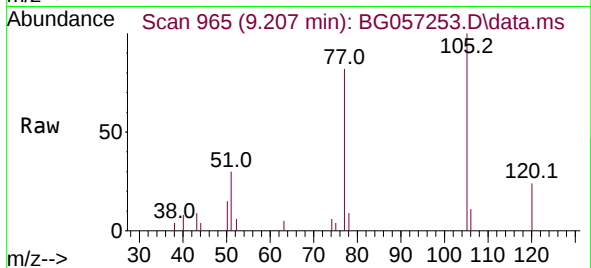
Quant Time: May 01 23:28:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 01 12:45:38 2023
Response via : Initial Calibration





#16
Acetophenone
Concen: 5.197 ng/ul
RT: 9.207 min Scan# 901
Delta R.T. -0.002 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

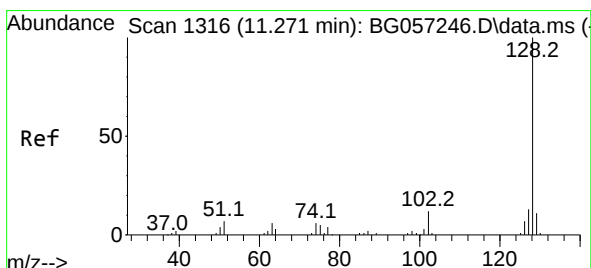
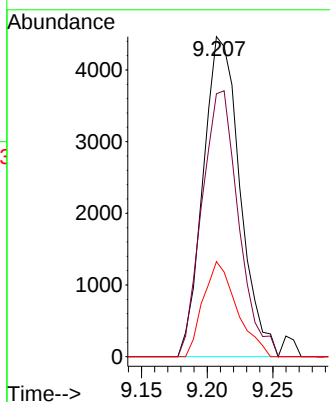
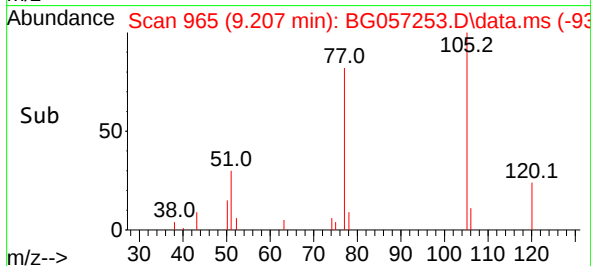
Instrument :
BNA_G
ClientSampleId :
EW901



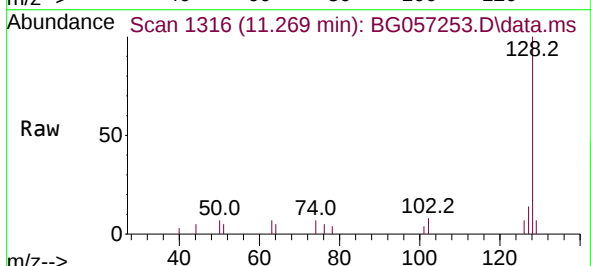
Tgt Ion:105 Resp: 870
Ion Ratio Lower Upper
105 100
77 82.2 70.6 105.8
51 29.7 24.5 36.7

Manual Integrations
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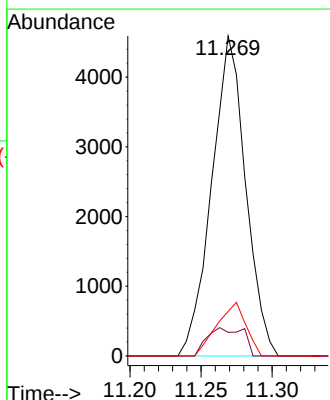
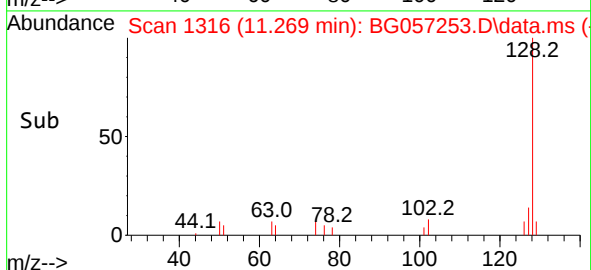
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

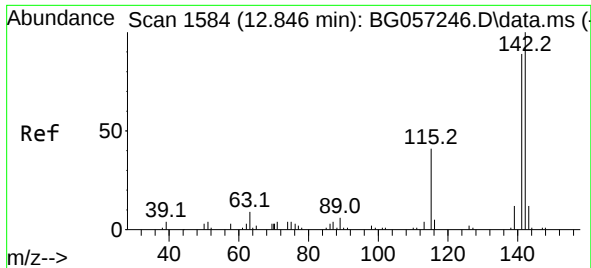


#30
Naphthalene
Concen: 2.375 ng/ul
RT: 11.269 min Scan# 1316
Delta R.T. -0.002 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06



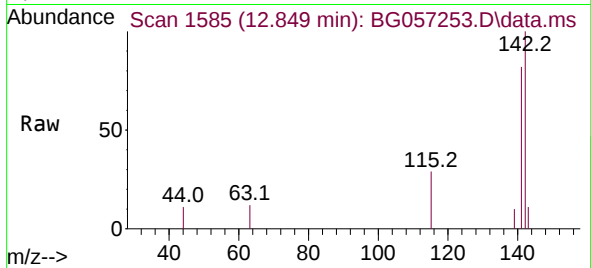
Tgt Ion:128 Resp: 7626
Ion Ratio Lower Upper
128 100
129 7.4 8.5 12.7#
127 13.9 11.4 17.0





#36
2-Methylnaphthalene
Concen: 1.290 ng/ul
RT: 12.849 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

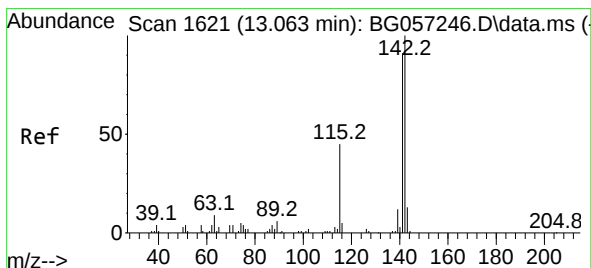
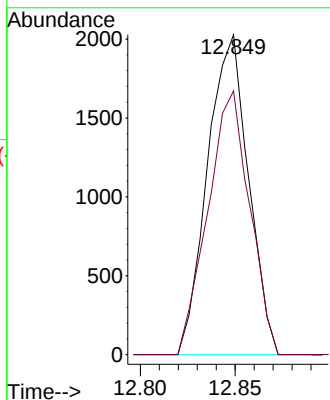
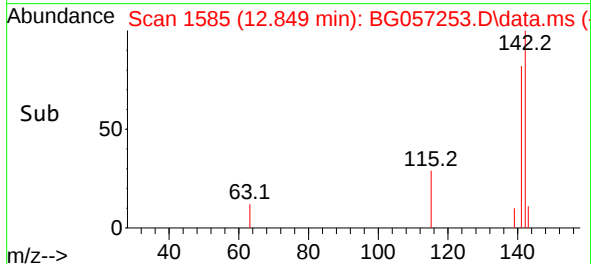
Instrument :
BNA_G
ClientSampleId :
EW901



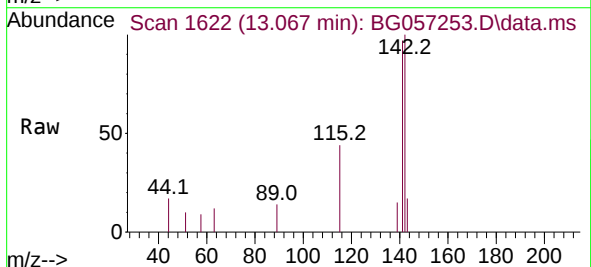
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Ion Ratio Lower Upper
142 100
141 82.4 68.7 103.1

Manual Integrations
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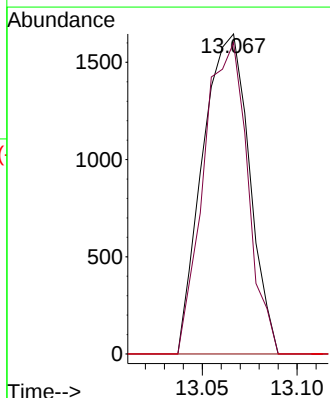
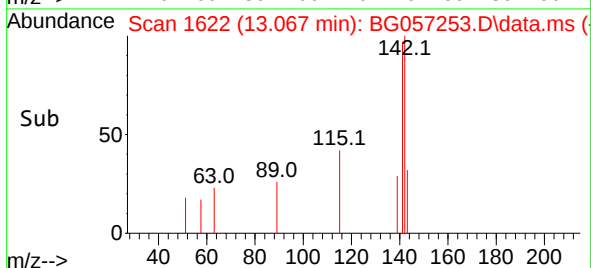
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

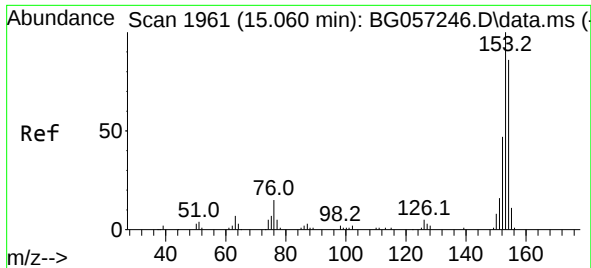


#37
1-Methylnaphthalene
Concen: 1.193 ng/ul
RT: 13.067 min Scan# 1622
Delta R.T. 0.003 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06



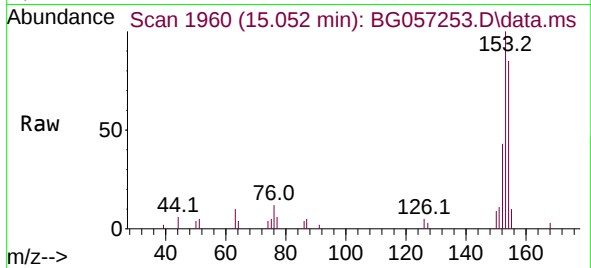
Tgt Ion:142 Resp: 2825
Ion Ratio Lower Upper
142 100
141 97.3 72.9 109.3
116 0.0 3.2 4.8#





#52
Acenaphthene
Concen: 3.375 ng/uI
RT: 15.052 min Scan# 1961
Delta R.T. -0.008 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

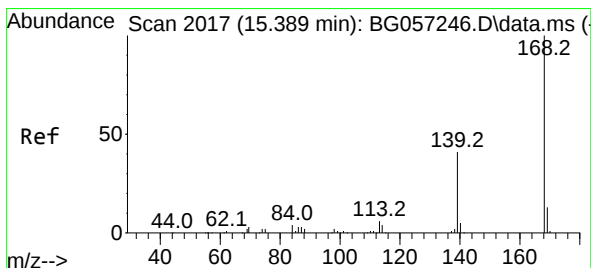
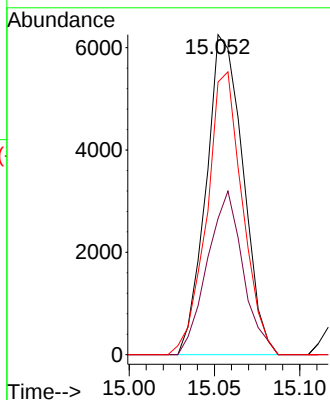
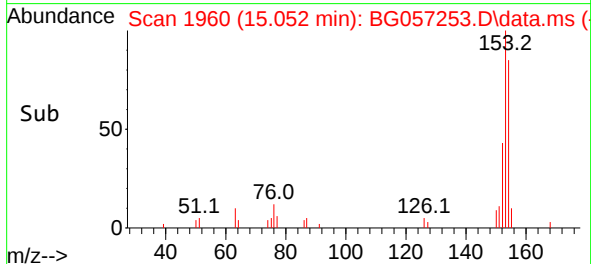
Instrument :
BNA_G
ClientSampleId :
EW901



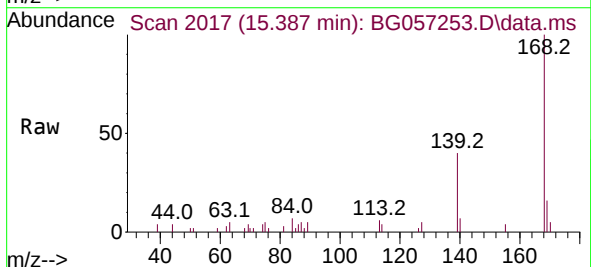
Tgt Ion:153 Resp: 9414
Ion Ratio Lower Upper
153 100
152 42.6 36.5 54.7
154 85.2 70.6 106.0

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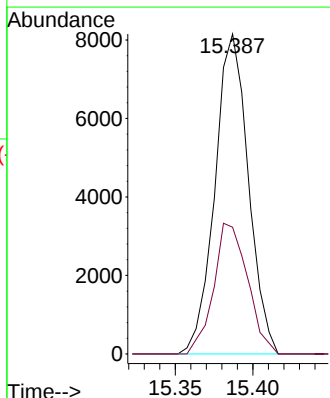
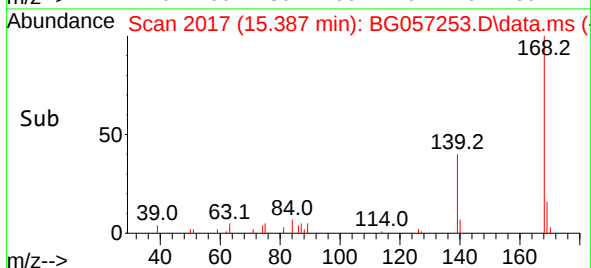
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

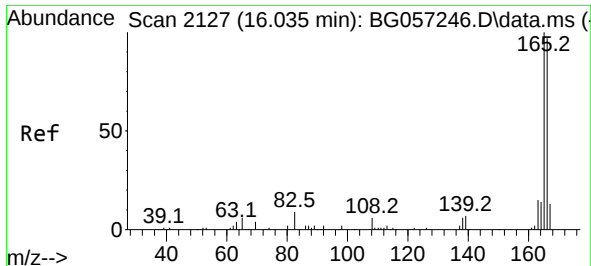


#56
Dibenzofuran
Concen: 3.031 ng/uI
RT: 15.387 min Scan# 2017
Delta R.T. -0.002 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06



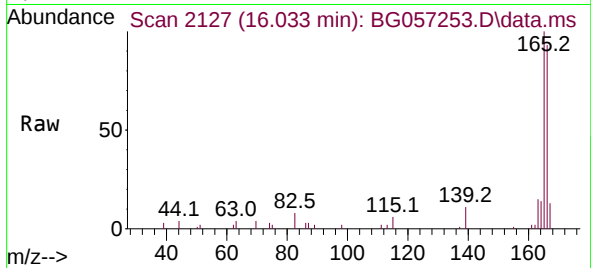
Tgt Ion:168 Resp: 12209
Ion Ratio Lower Upper
168 100
139 39.6 29.6 44.4





#61
Fluorene
Concen: 5.559 ng/ul
RT: 16.033 min Scan# 2127
Delta R.T. -0.002 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

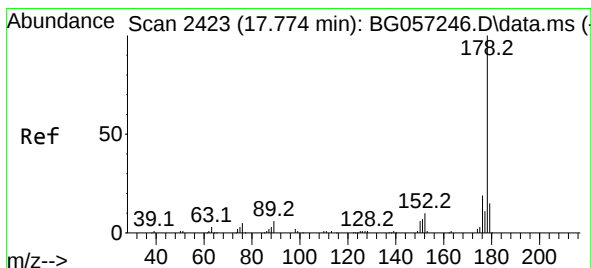
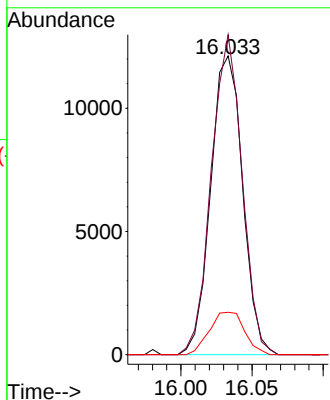
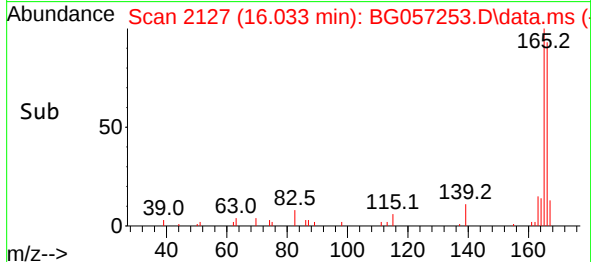
Instrument :
BNA_G
ClientSampleId :
EW901



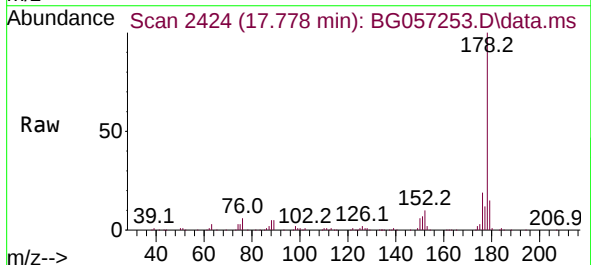
Tgt Ion:166 Resp: 1893
Ion Ratio Lower Upper
166 100
165 107.1 80.1 120.1
167 14.2 10.2 15.4

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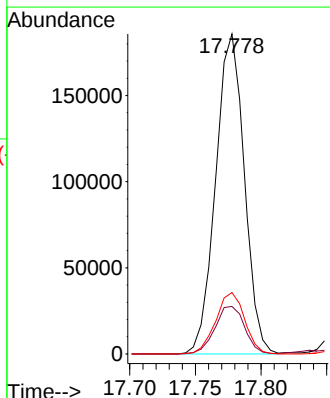
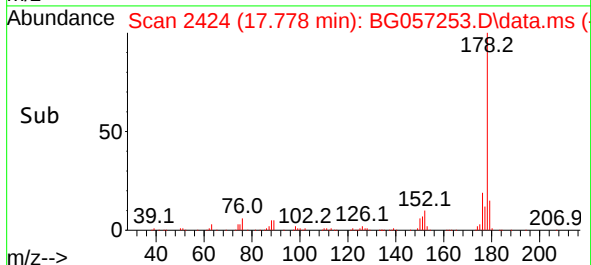
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

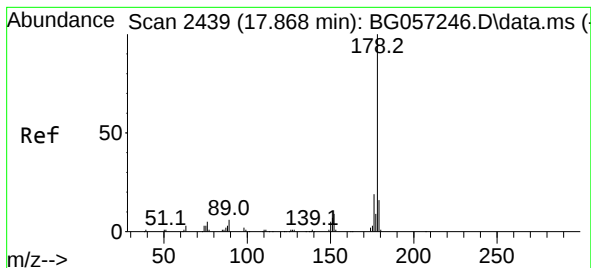


#72
Phenanthrene
Concen: 56.101 ng/ul
RT: 17.778 min Scan# 2424
Delta R.T. 0.003 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06



Tgt Ion:178 Resp: 282170
Ion Ratio Lower Upper
178 100
179 14.8 11.8 17.8
176 19.2 15.4 23.0





#74

Anthracene

Concen: 10.294 ng/ul

RT: 17.866 min Scan# 2439

Delta R.T. -0.002 min

Lab File: BG057253.D

Acq: 1 May 2023 16:06

Instrument :

BNA_G

ClientSampleId :

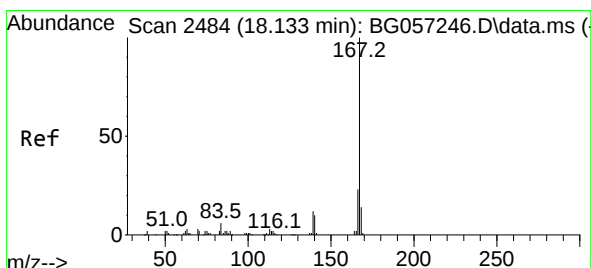
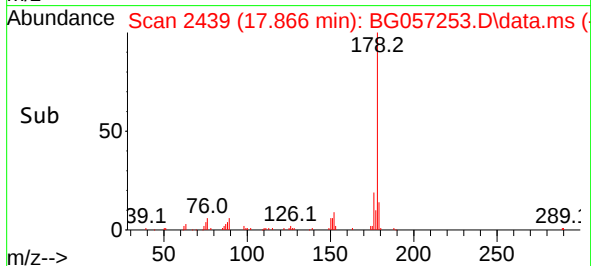
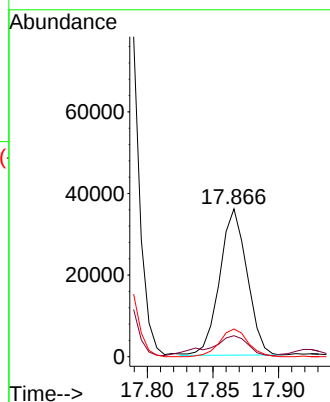
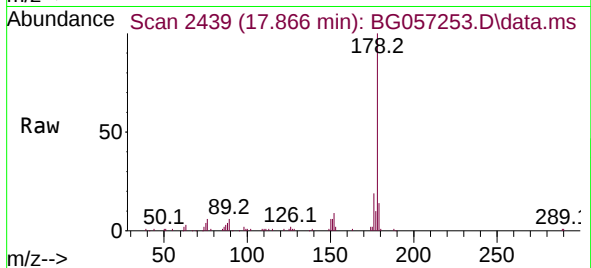
EW901

Tgt Ion:	178	Resp:	5200
Ion Ratio	Lower	Upper	
178	100		
179	14.2	12.5	18.7
176	18.7	14.7	22.1

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#77

Carbazole

Concen: 6.380 ng/ul

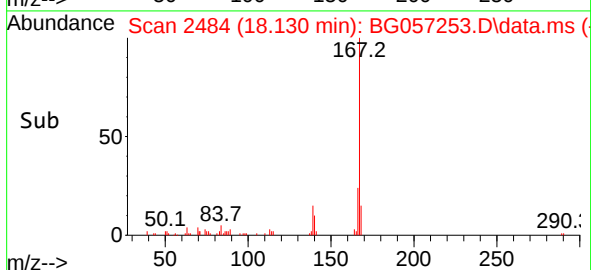
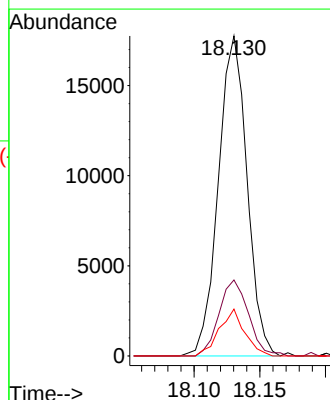
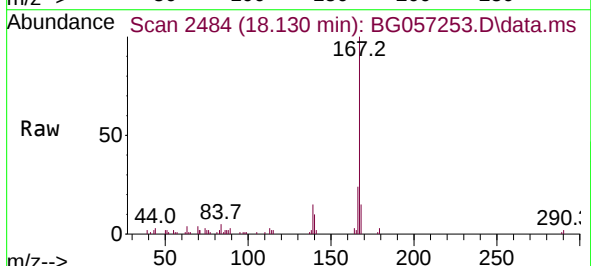
RT: 18.130 min Scan# 2484

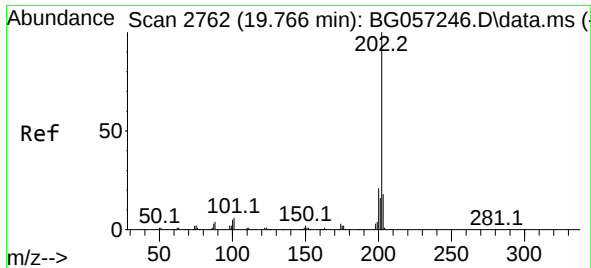
Delta R.T. -0.002 min

Lab File: BG057253.D

Acq: 1 May 2023 16:06

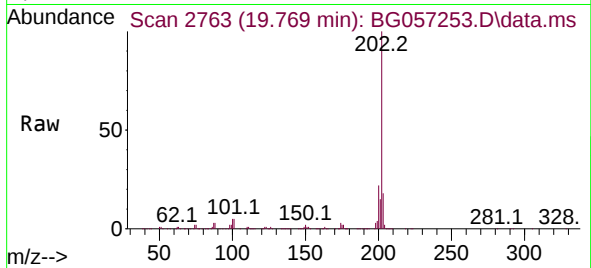
Tgt Ion:	167	Resp:	26938
Ion Ratio	Lower	Upper	
167	100		
166	23.8	18.0	27.0
139	14.7	10.3	15.5





#80
Fluoranthene
Concen: 69.998 ng/ul m
RT: 19.769 min Scan# 2763
Delta R.T. 0.003 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

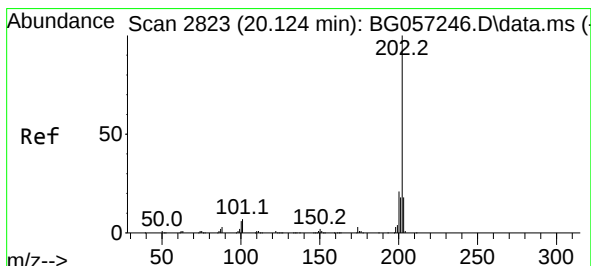
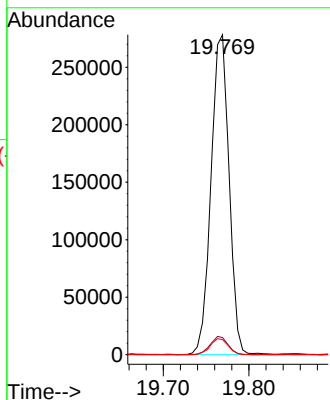
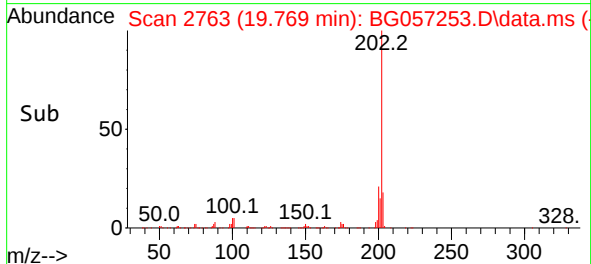
Instrument :
BNA_G
ClientSampleId :
EW901



Tgt Ion:202 Resp: 407619
Ion Ratio Lower Upper
202 100
101 5.4 5.8 8.6
100 4.7 4.6 7.0

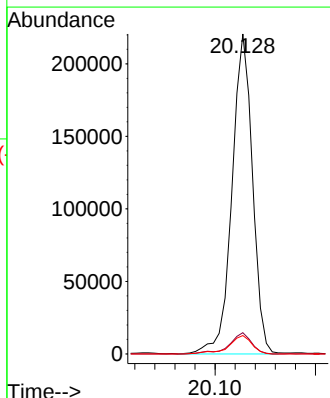
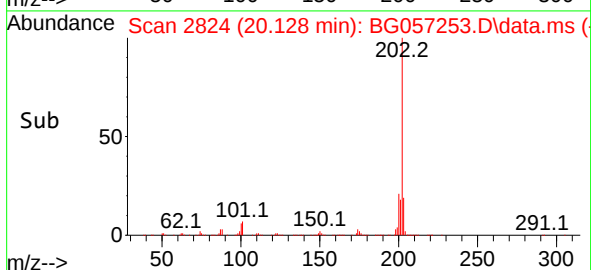
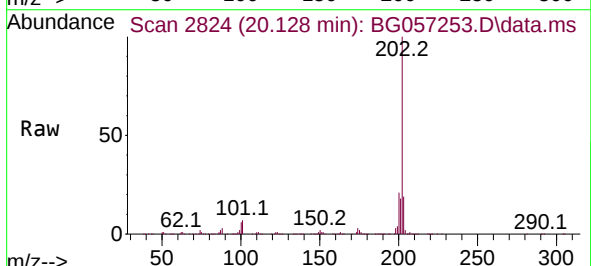
Manual Integrations
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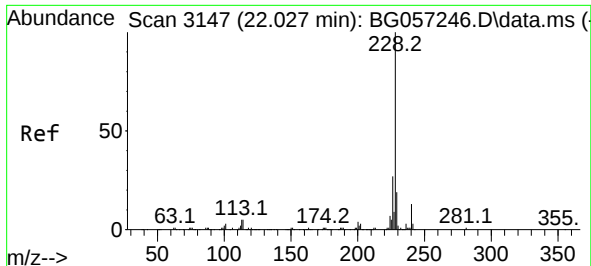
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#82
Pyrene
Concen: 53.149 ng/ul
RT: 20.128 min Scan# 2824
Delta R.T. 0.003 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

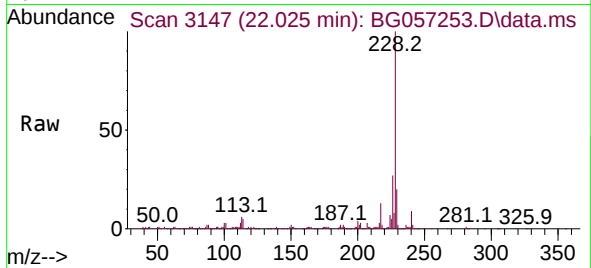
Tgt Ion:202 Resp: 313322
Ion Ratio Lower Upper
202 100
101 6.6 5.7 8.5
100 5.8 6.0 9.0#





#85
Benzo(a)anthracene
Concen: 30.663 ng/u1
RT: 22.025 min Scan# 3147
Delta R.T. -0.002 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

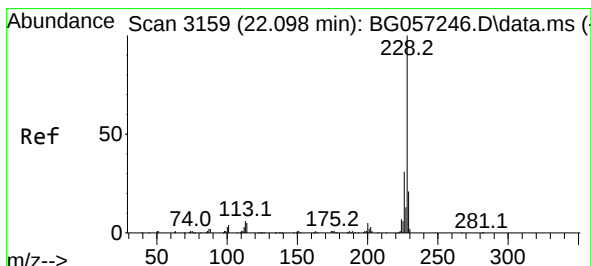
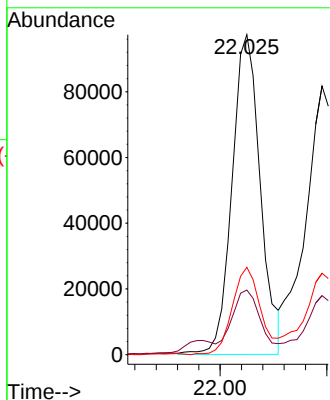
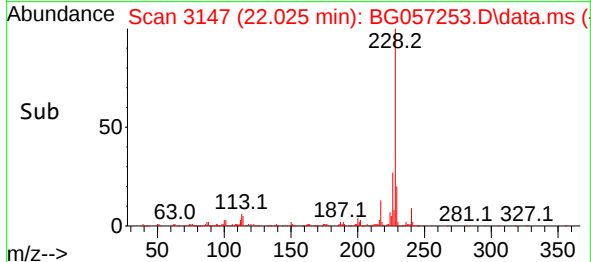
Instrument :
BNA_G
ClientSampleId :
EW901



Tgt Ion:228 Resp: 179104
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.6
226 27.3 21.7 32.5

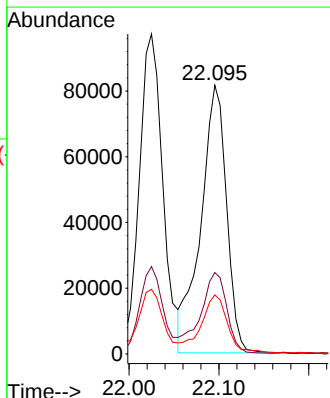
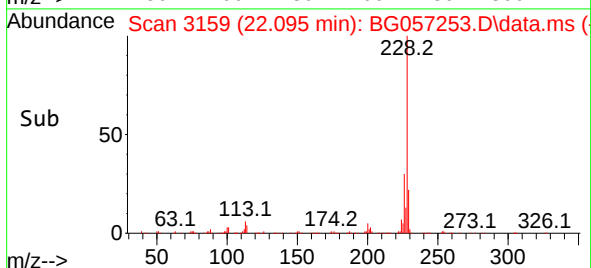
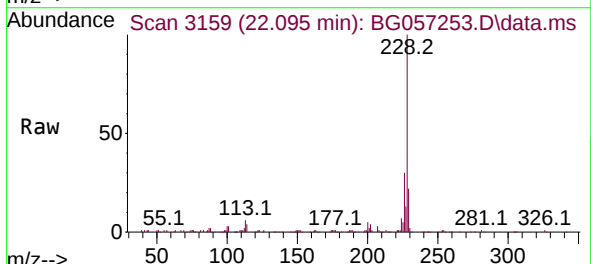
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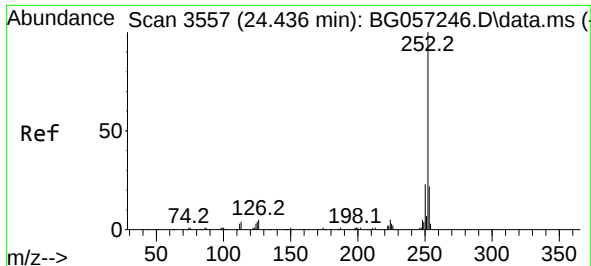
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#87
Chrysene
Concen: 29.546 ng/u1
RT: 22.095 min Scan# 3159
Delta R.T. -0.002 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

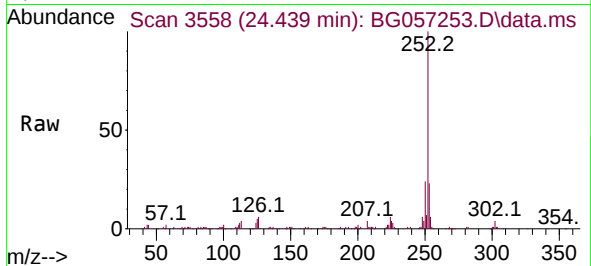
Tgt Ion:228 Resp: 162822
Ion Ratio Lower Upper
228 100
226 30.3 22.8 34.2
229 22.0 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 32.569 ng/ul
RT: 24.439 min Scan# 3557
Delta R.T. 0.003 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

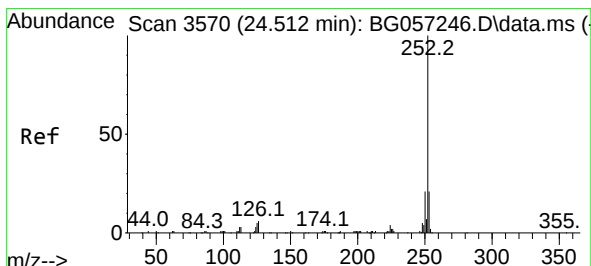
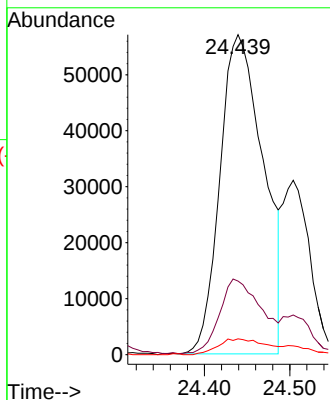
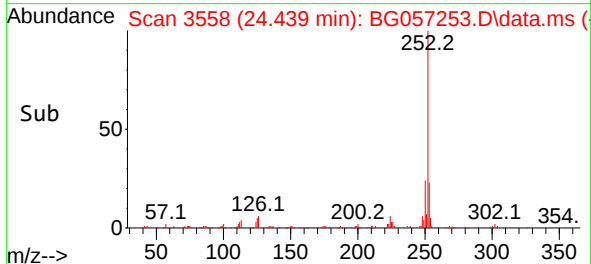
Instrument :
BNA_G
ClientSampleId :
EW901



Tgt Ion:252 Resp: 20155
Ion Ratio Lower Upper
252 100
253 23.0 16.7 25.1
125 5.0 4.8 7.2

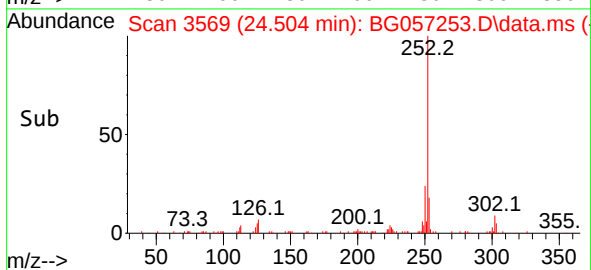
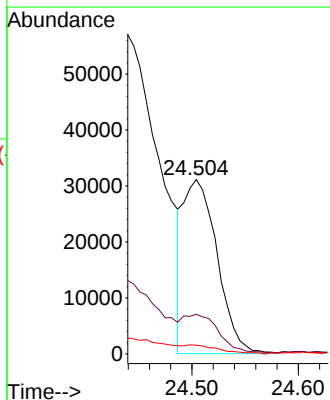
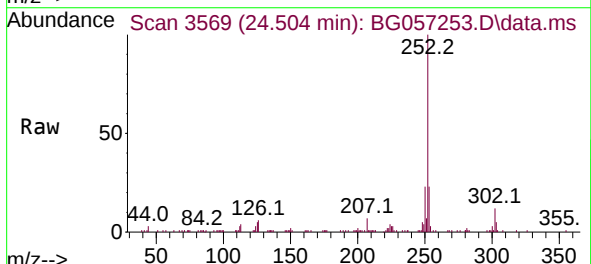
Manual Integrations
APPROVED

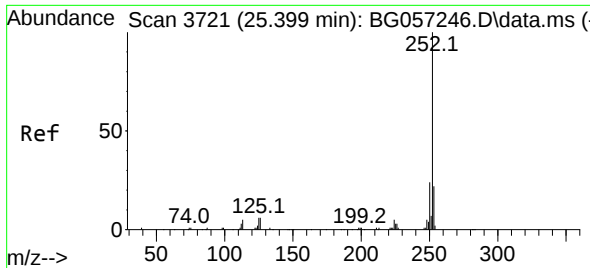
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#91
Benzo(k)fluoranthene
Concen: 11.387 ng/ul m
RT: 24.504 min Scan# 3569
Delta R.T. -0.008 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

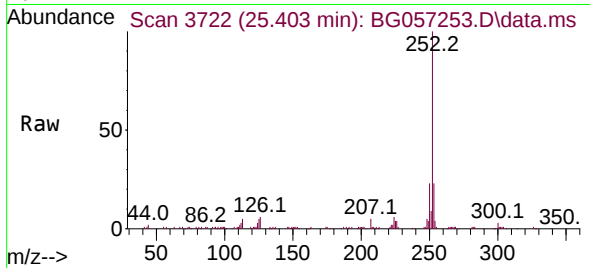
Tgt Ion:252 Resp: 68558
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 5.1 4.5 6.7





#93
Benzo(a)pyrene
Concen: 24.886 ng/ul m
RT: 25.403 min Scan# 3722
Delta R.T. 0.003 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

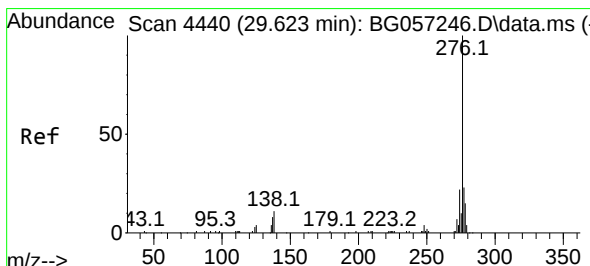
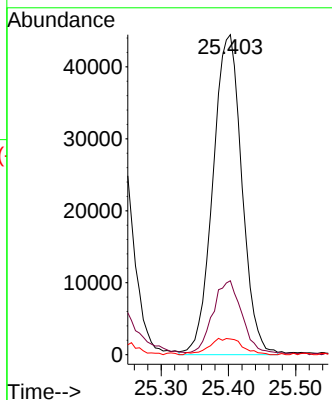
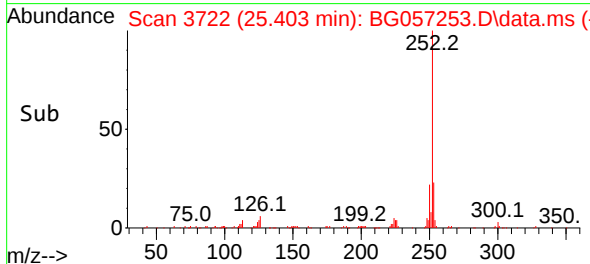
Instrument :
BNA_G
ClientSampleId :
EW901



Tgt Ion:252 Resp: 13295
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 4.9 5.1 7.7

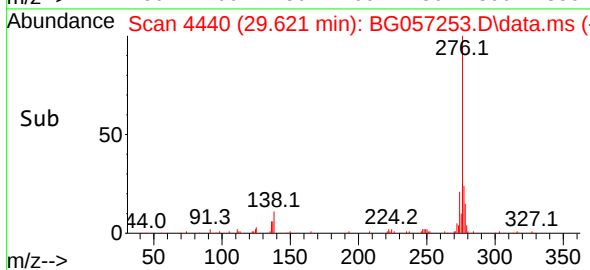
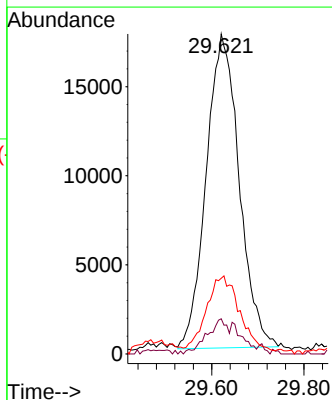
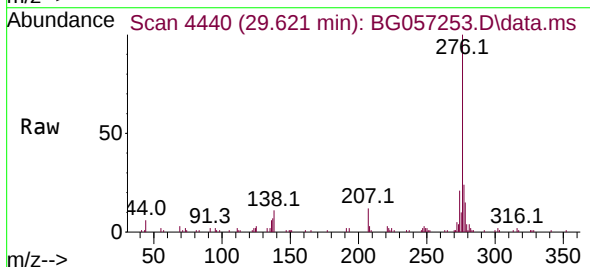
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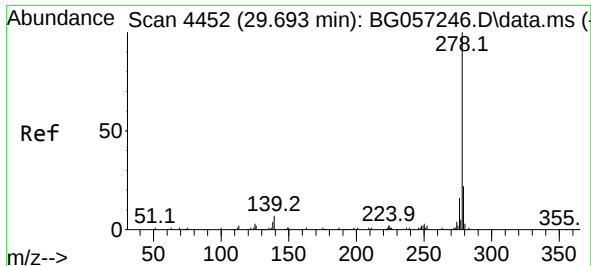
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 13.088 ng/ul
RT: 29.621 min Scan# 4440
Delta R.T. -0.002 min
Lab File: BG057253.D
Acq: 1 May 2023 16:06

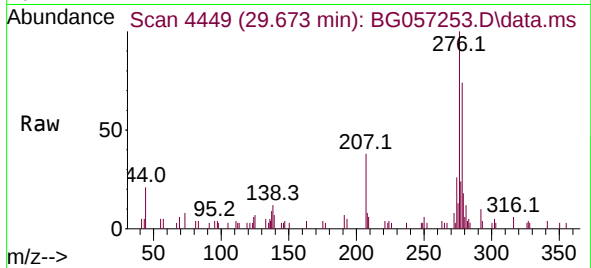
Tgt Ion:276 Resp: 87405
Ion Ratio Lower Upper
276 100
138 11.0 9.4 14.2
277 23.6 18.6 28.0





#95
 Dibenzo(a,h)anthracene
 Concen: 4.825 ng/ul m
 RT: 29.673 min Scan# 4452
 Delta R.T. -0.020 min
 Lab File: BG057253.D
 Acq: 1 May 2023 16:06

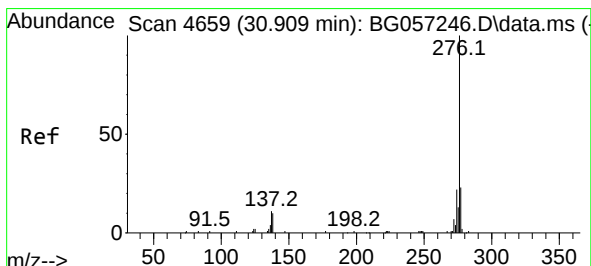
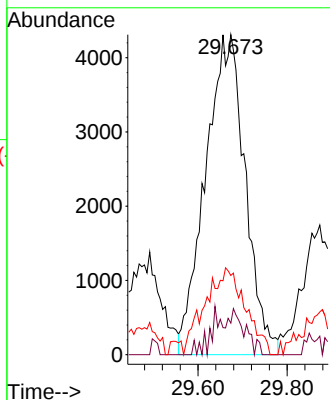
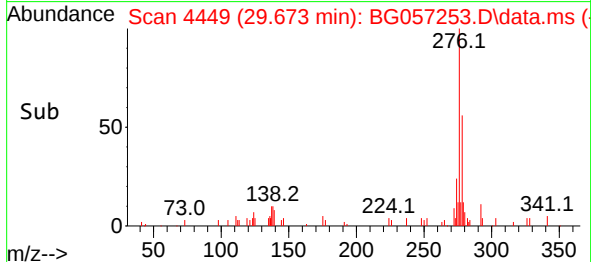
Instrument :
 BNA_G
 ClientSampleId :
 EW901



Tgt Ion:278 Resp: 2672
 Ion Ratio Lower Upper
 278 100
 139 9.9 5.8 8.6
 279 24.8 18.3 27.5

Manual Integrations
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Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023



#96
 Benzo(g,h,i)perylene
 Concen: 12.204 ng/ul m
 RT: 30.895 min Scan# 4657
 Delta R.T. -0.014 min
 Lab File: BG057253.D
 Acq: 1 May 2023 16:06

Tgt Ion:276 Resp: 65960
 Ion Ratio Lower Upper
 276 100
 138 9.0 8.7 13.1
 277 22.7 18.4 27.6

