

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050423\
 Data File : BG057300.D
 Acq On : 4 May 2023 12:36
 Operator : CG/JU
 Sample : 02447-23DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW941DL

Manual Integrations
 APPROVED

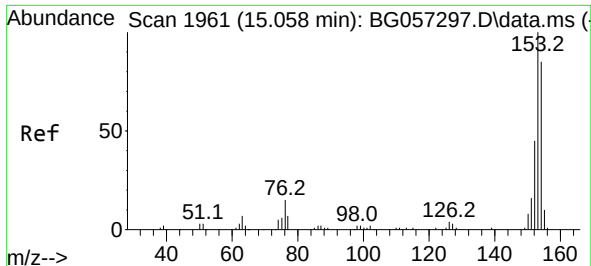
Reviewed By : Christian Giraldo 05/05/2023
 Supervised By : Jagrut Upadhyay 05/05/2023

Quant Time: May 05 02:09:08 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)

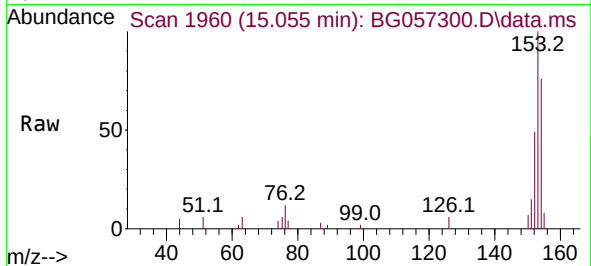
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.376	152	10958	20.000	ng/u1	0.00
20) Naphthalene-d8	11.213	136	47834	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.990	164	44890	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.734	188	125986	20.000	ng/u1	0.00
79) Chrysene-d12	22.045	240	103395	20.000	ng/u1	# 0.00
88) Perylene-d12	25.570	264	108221	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.518	99	3356	3.238	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.677	67	1971	3.234	ng/u1	0.00
11) 2-Chlorophenol-d4	7.912	132	2368	3.467	ng/u1	0.00
15) 4-Methylphenol-d8	9.081	113	2498	3.172	ng/u1	0.00
21) Nitrobenzene-d5	9.550	128	1262	3.313	ng/u1	0.00
24) 2-Nitrophenol-d4	10.291	143	1573	3.538	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.837	165	3094	3.607	ng/u1	0.00
31) 4-Chloroaniline-d4	11.348	131	2246	1.976	ng/u1	0.00
46) Dimethylphthalate-d6	14.373	166	13736	3.862	ng/u1	0.00
49) Acenaphthylene-d8	14.691	160	14209	3.554	ng/u1	0.00
54) 4-Nitrophenol-d4	15.190	143	1019m	1.968	ng/u1	0.01
60) Fluorene-d10	15.977	176	12515	3.777	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.100	200	1060m	1.420	ng/u1	0.00
73) Anthracene-d10	17.828	188	21868	3.803	ng/u1	0.00
81) Pyrene-d10	20.095	212	26782	4.364	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.317	264	23263	4.219	ng/u1	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	15.055	153	10059	3.475	ng/u1	90
56) Dibenzofuran	15.384	168	6924	1.657	ng/u1	96
61) Fluorene	16.030	166	13971	3.953	ng/u1	92
72) Phenanthrene	17.775	178	267539	40.779	ng/u1	99
74) Anthracene	17.863	178	68548	10.401	ng/u1	99
77) Carbazole	18.127	167	20375	3.700	ng/u1	99
80) Fluoranthene	19.766	202	409955	56.233	ng/u1#	96
82) Pyrene	20.124	202	315708	42.778	ng/u1#	97
85) Benzo(a)anthracene	22.022	228	142769	19.524	ng/u1	99
87) Chrysene	22.092	228	128444	18.617	ng/u1	97
90) Benzo(b)fluoranthene	24.436	252	177541	23.690	ng/u1	96
91) Benzo(k)fluoranthene	24.507	252	54210	7.435	ng/u1	97
93) Benzo(a)pyrene	25.400	252	129214	19.971	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	29.617	276	87786m	10.854	ng/u1	
95) Dibenzo(a,h)anthracene	29.676	278	23617m	3.522	ng/u1	
96) Benzo(g,h,i)perylene	30.910	276	73730m	11.264	ng/u1	

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



#52
Acenaphthene
Concen: 3.475 ng/ul
RT: 15.055 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

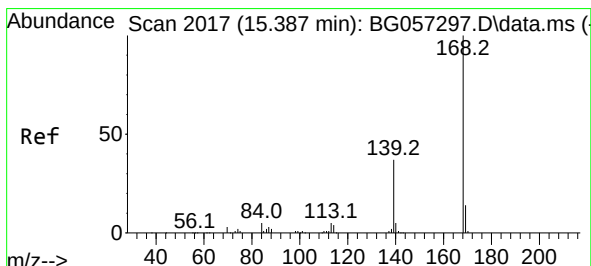
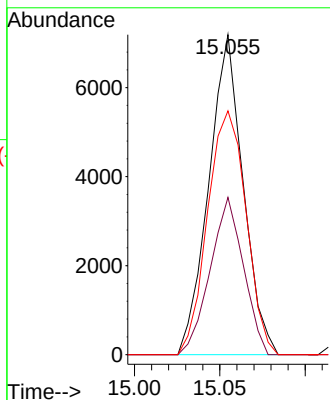
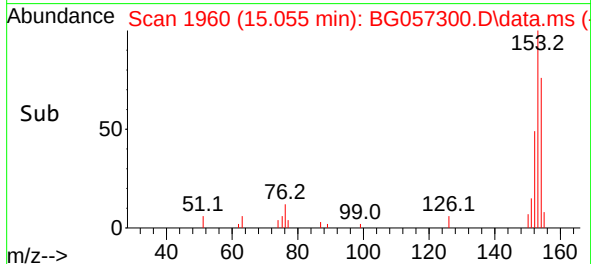
Instrument :
BNA_G
ClientSampleId :
EW941DL



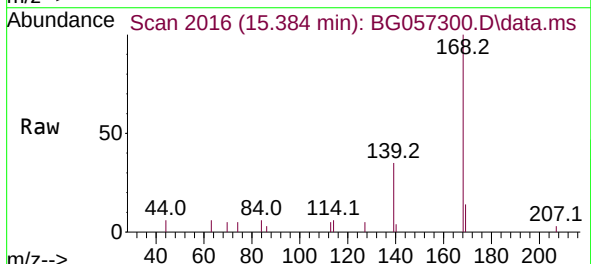
Tgt Ion:153 Resp: 10059
Ion Ratio Lower Upper
153 100
152 49.2 36.5 54.7
154 76.2 70.6 106.0

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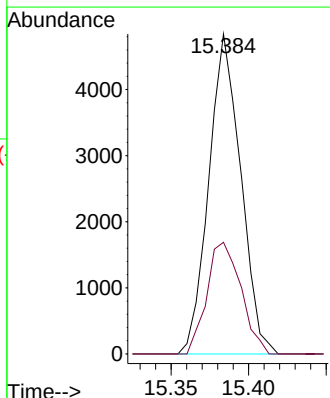
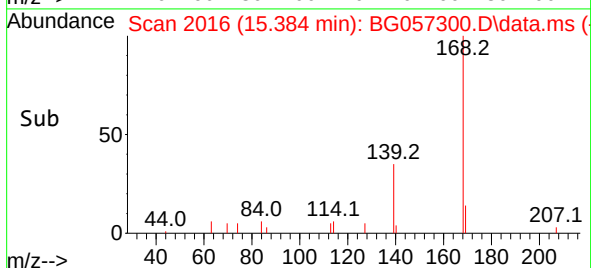
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

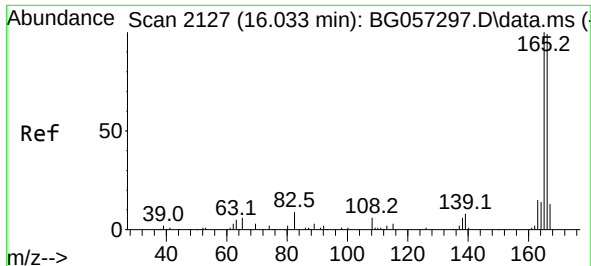


#56
Dibenzofuran
Concen: 1.657 ng/ul
RT: 15.384 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36



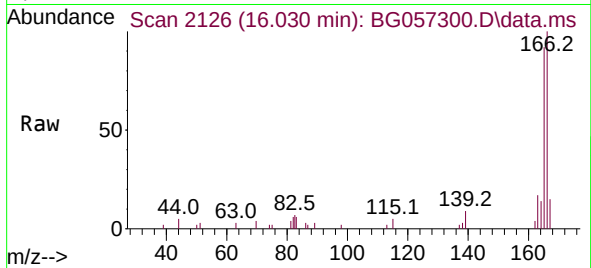
Tgt Ion:168 Resp: 6924
Ion Ratio Lower Upper
168 100
139 34.9 29.6 44.4





#61
Fluorene
Concen: 3.953 ng/ul
RT: 16.030 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

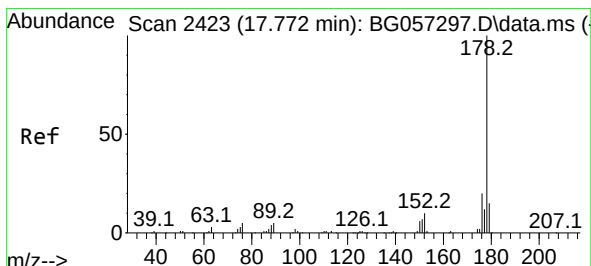
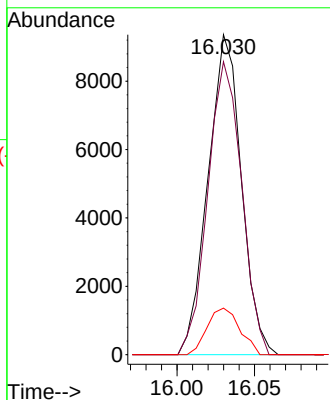
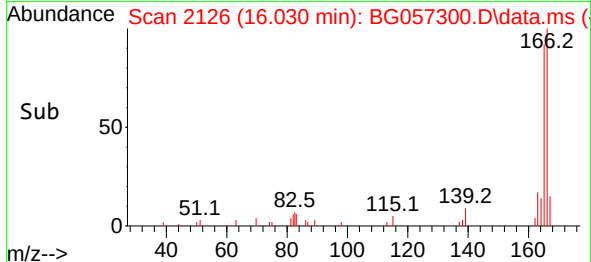
Instrument :
BNA_G
ClientSampleId :
EW941DL



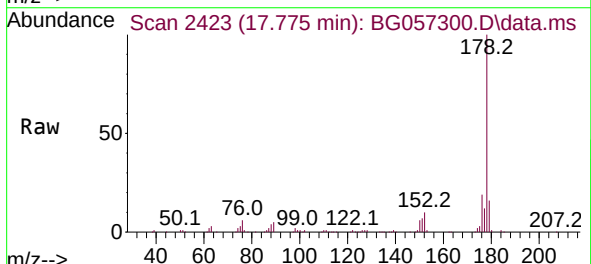
Tgt Ion:166 Resp: 1397
Ion Ratio Lower Upper
166 100
165 91.5 80.1 120.1
167 14.5 10.2 15.4

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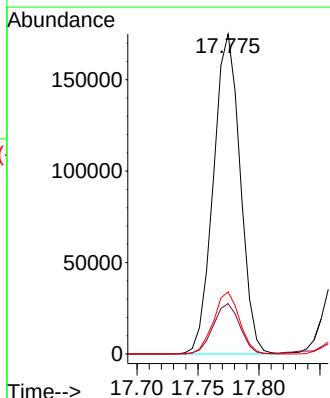
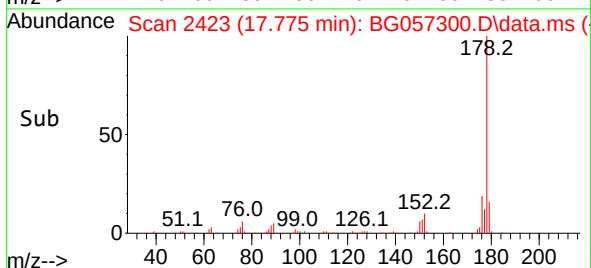
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

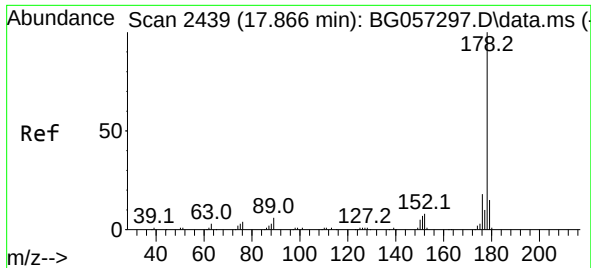


#72
Phenanthrene
Concen: 40.779 ng/ul
RT: 17.775 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36



Tgt Ion:178 Resp: 267539
Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.8
176 19.4 15.4 23.0





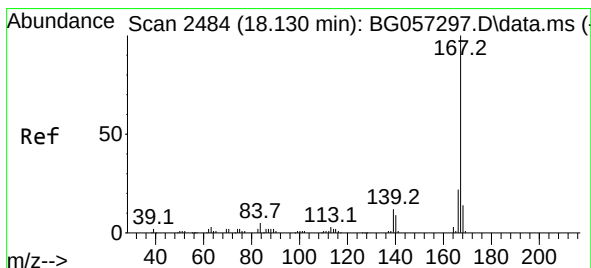
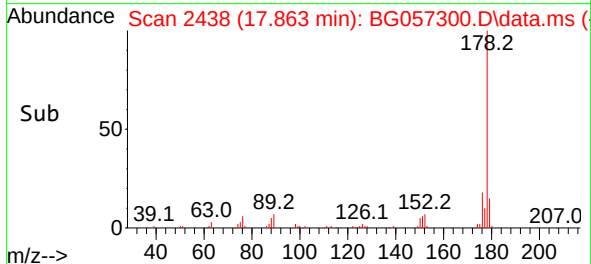
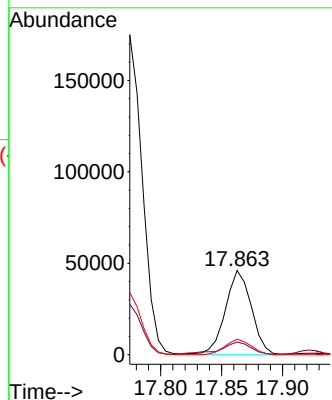
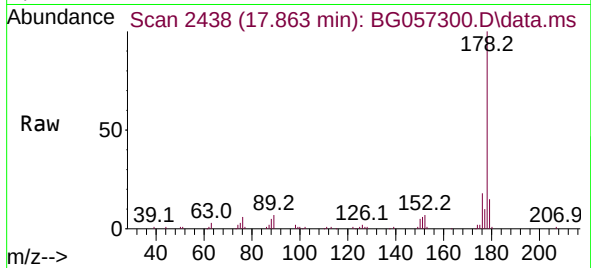
#74
 Anthracene
 Concen: 10.401 ng/uI
 RT: 17.863 min Scan# 2439
 Delta R.T. -0.006 min
 Lab File: BG057300.D
 Acq: 4 May 2023 12:36

Instrument :
 BNA_G
 ClientSampleId :
 EW941DL

Tgt Ion:178 Resp: 68548
 Ion Ratio Lower Upper
 178 100
 179 15.0 12.5 18.7
 176 18.4 14.7 22.1

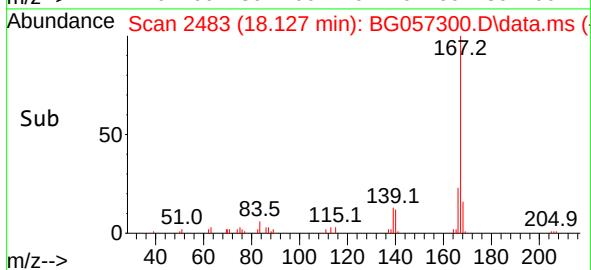
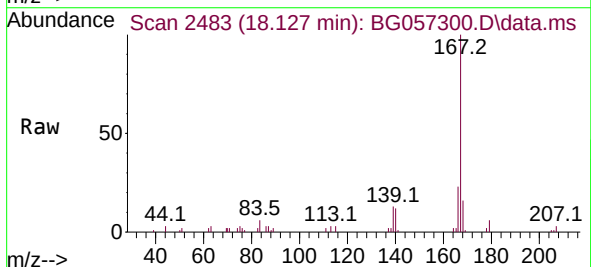
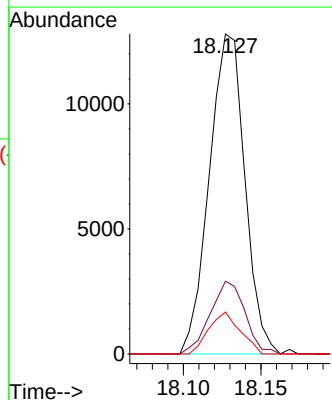
Manual Integrations
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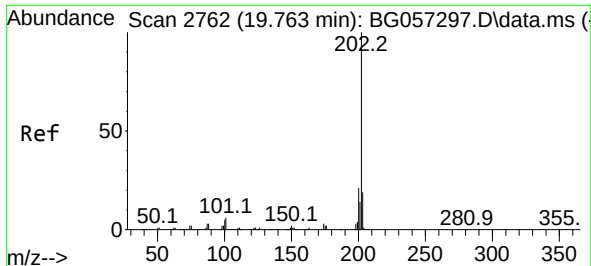
Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023



#77
 Carbazole
 Concen: 3.700 ng/uI
 RT: 18.127 min Scan# 2483
 Delta R.T. -0.006 min
 Lab File: BG057300.D
 Acq: 4 May 2023 12:36

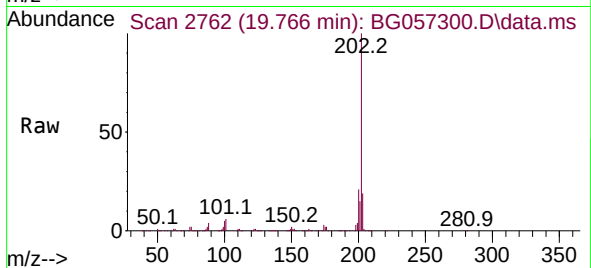
Tgt Ion:167 Resp: 20375
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.0 27.0
 139 13.1 10.3 15.5





#80
Fluoranthene
Concen: 56.233 ng/ul
RT: 19.766 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

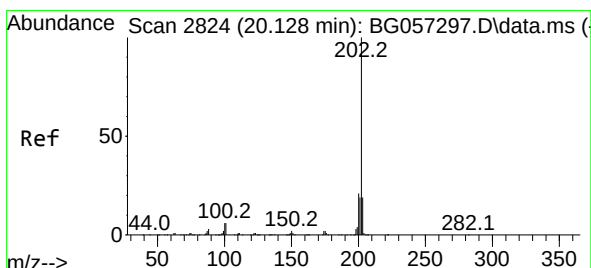
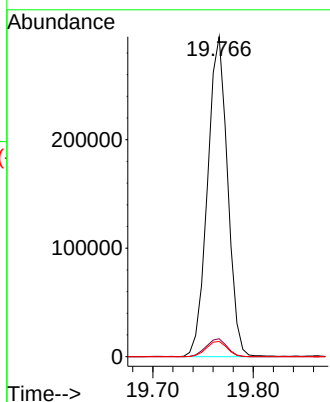
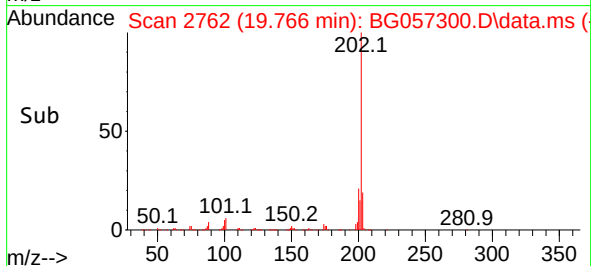
Instrument :
BNA_G
ClientSampleId :
EW941DL



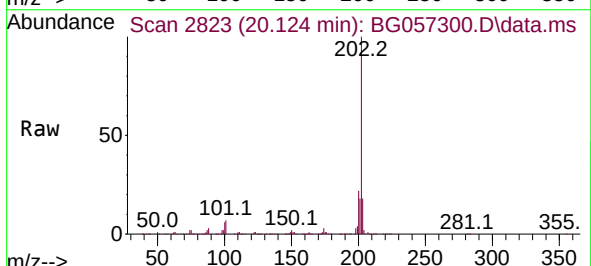
Tgt Ion:202 Resp: 409958
Ion Ratio Lower Upper
202 100
101 5.6 5.8 8.6
100 4.8 4.6 7.0

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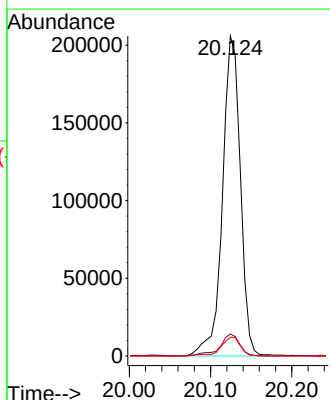
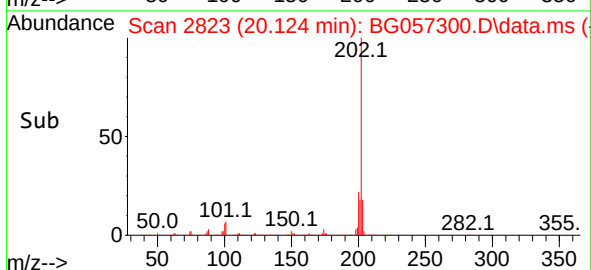
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

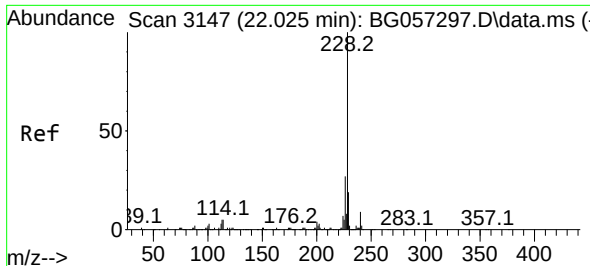


#82
Pyrene
Concen: 42.778 ng/ul
RT: 20.124 min Scan# 2823
Delta R.T. 0.000 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36



Tgt Ion:202 Resp: 315708
Ion Ratio Lower Upper
202 100
101 6.9 5.7 8.5
100 5.8 6.0 9.0#





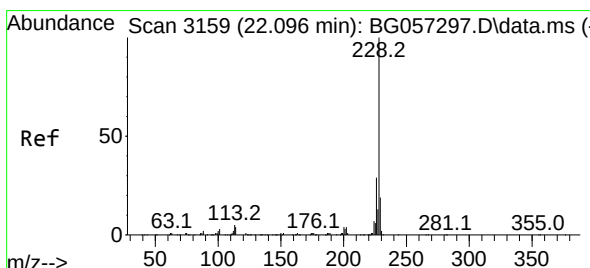
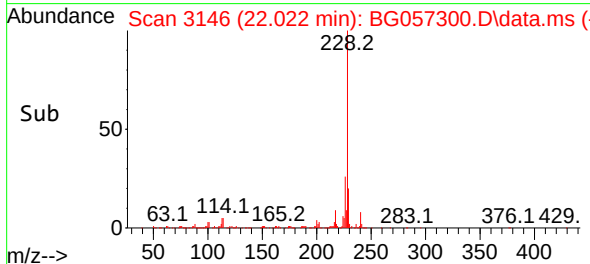
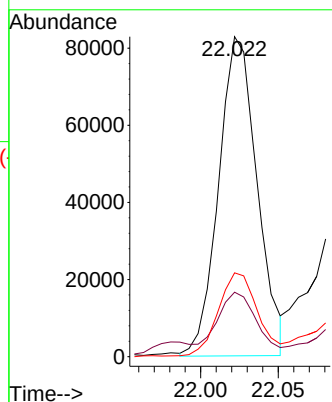
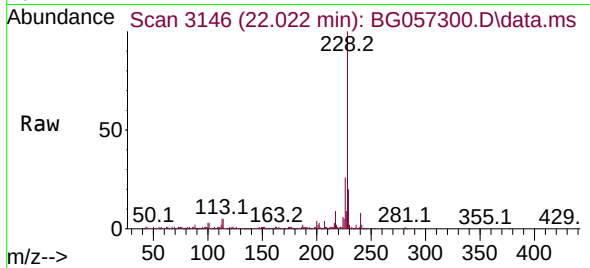
#85
Benzo(a)anthracene
Concen: 19.524 ng/ul
RT: 22.022 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

Instrument :
BNA_G
ClientSampleId :
EW941DL

Tgt Ion:228 Resp: 142769
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.6
226 26.2 21.7 32.5

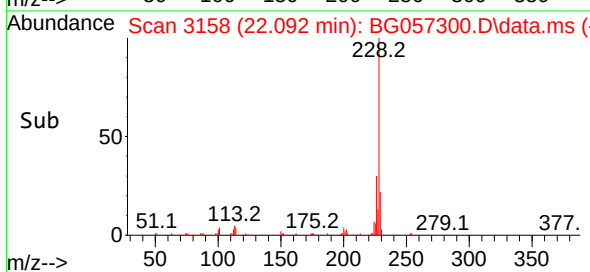
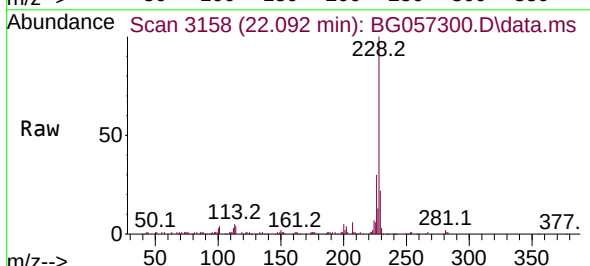
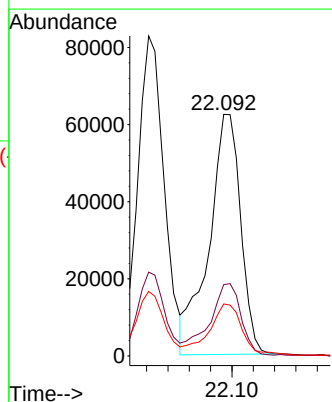
Manual Integrations
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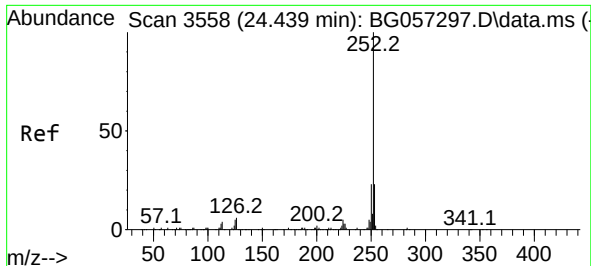
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#87
Chrysene
Concen: 18.617 ng/ul
RT: 22.092 min Scan# 3158
Delta R.T. -0.006 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

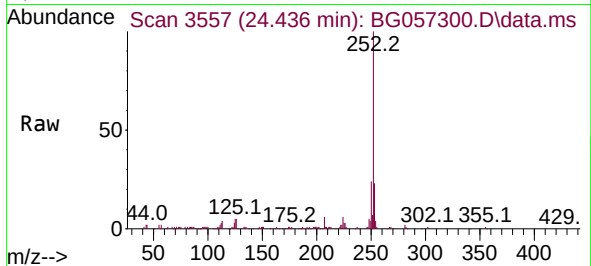
Tgt Ion:228 Resp: 128444
Ion Ratio Lower Upper
228 100
226 29.6 22.8 34.2
229 21.5 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 23.690 ng/ul
RT: 24.436 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

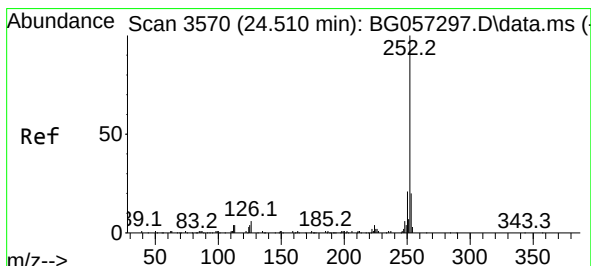
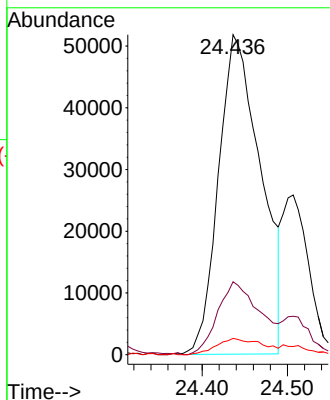
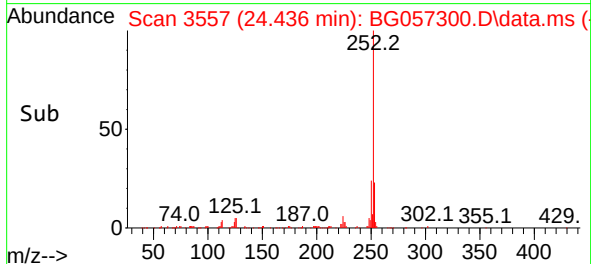
Instrument :
BNA_G
ClientSampleId :
EW941DL



Tgt Ion:252 Resp: 17754
Ion Ratio Lower Upper
252 100
253 22.8 16.7 25.1
125 5.1 4.8 7.2

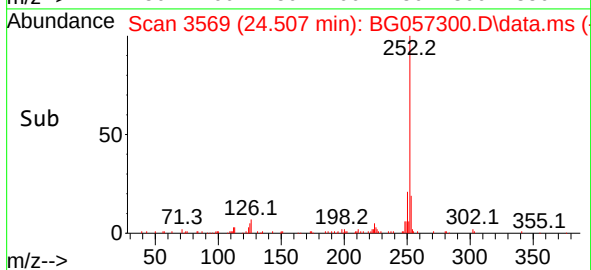
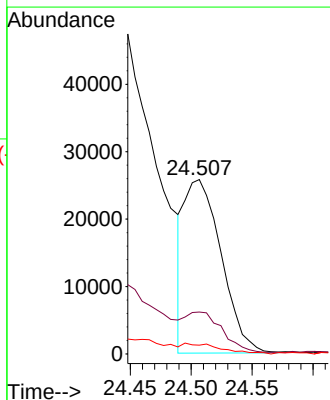
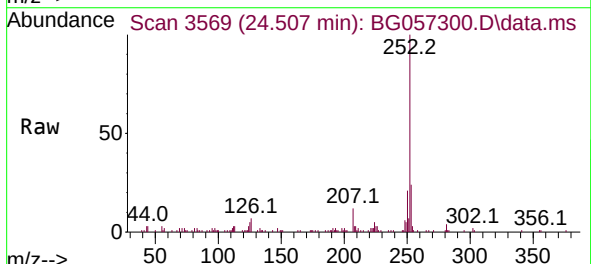
Manual Integrations
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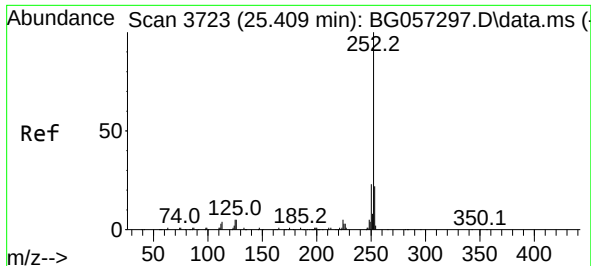
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#91
Benzo(k)fluoranthene
Concen: 7.435 ng/ul
RT: 24.507 min Scan# 3569
Delta R.T. -0.006 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

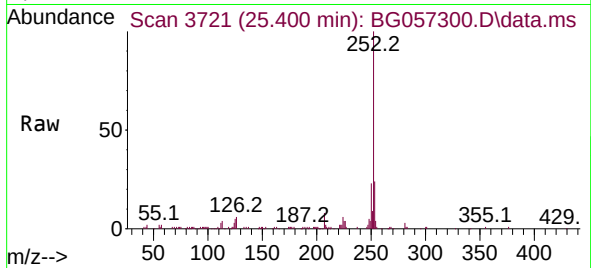
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Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 5.1 4.5 6.7





#93
Benzo(a)pyrene
Concen: 19.971 ng/ul
RT: 25.400 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

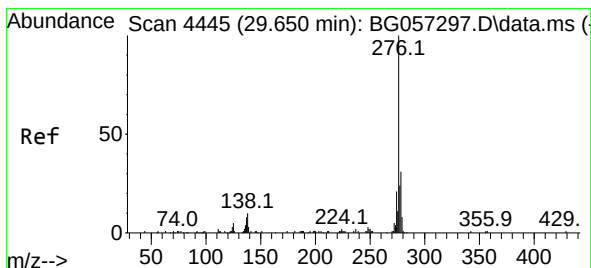
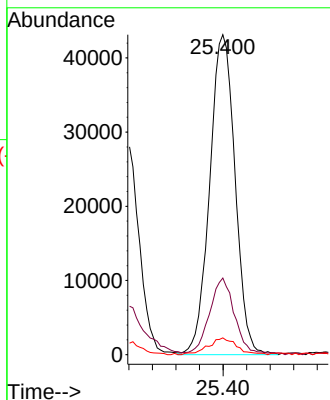
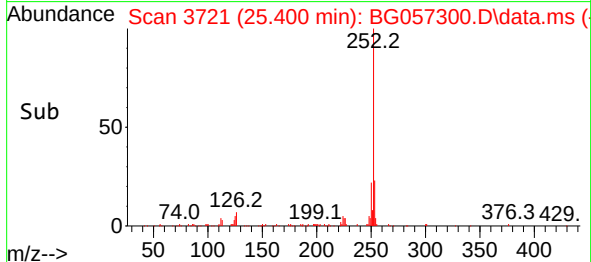
Instrument :
BNA_G
ClientSampleId :
EW941DL



Tgt Ion:252 Resp: 129214
Ion Ratio Lower Upper
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125 5.2 5.1 7.7

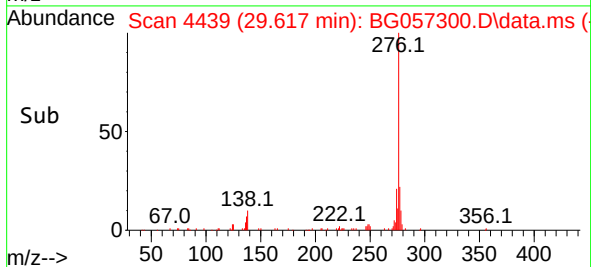
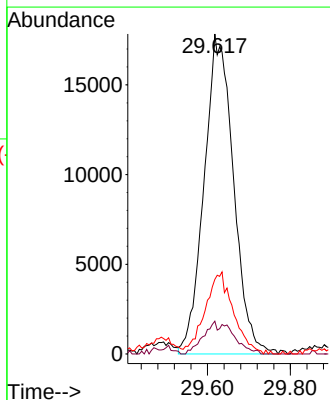
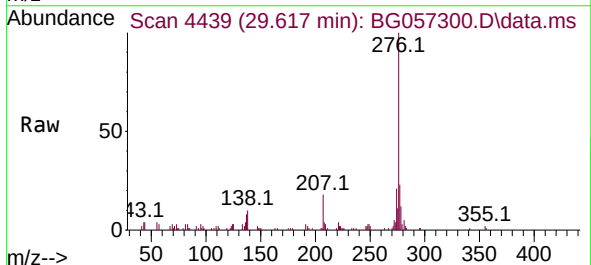
Manual Integrations
APPROVED

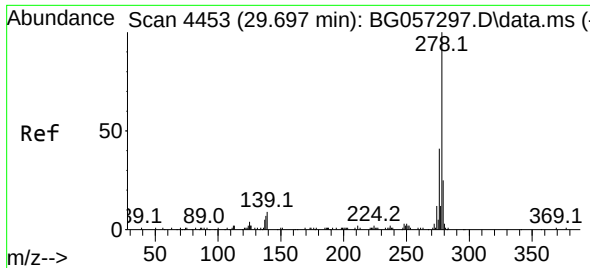
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 10.854 ng/ul m
RT: 29.617 min Scan# 4439
Delta R.T. -0.006 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

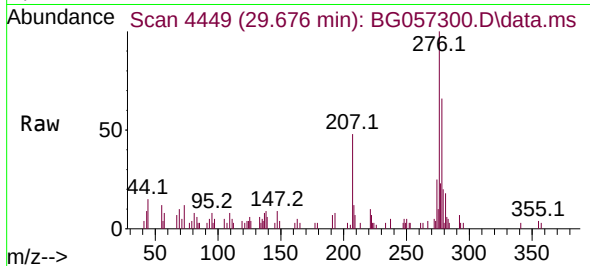
Tgt Ion:276 Resp: 87786
Ion Ratio Lower Upper
276 100
138 10.2 9.4 14.2
277 23.3 18.6 28.0





#95
Dibenzo(a,h)anthracene
Concen: 3.522 ng/ul m
RT: 29.676 min Scan# 4453
Delta R.T. -0.017 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

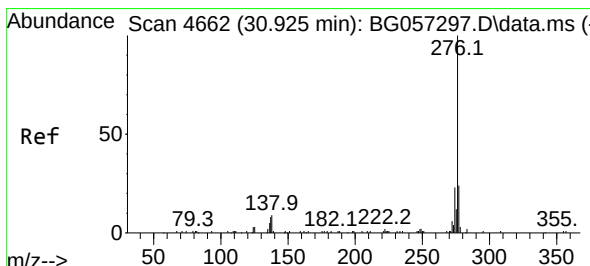
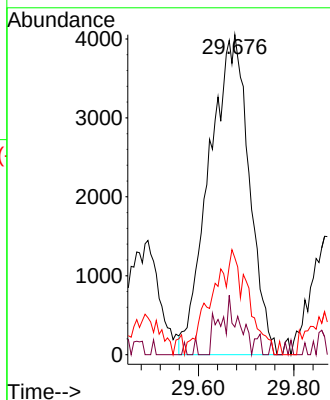
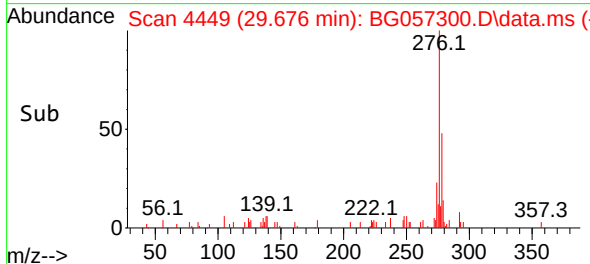
Instrument :
BNA_G
ClientSampleId :
EW941DL



Tgt Ion:278 Resp: 2361
Ion Ratio Lower Upper
278 100
139 8.6 5.8 8.6
279 30.2 18.3 27.5

Manual Integrations
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#96
Benzo(g,h,i)perylene
Concen: 11.264 ng/ul m
RT: 30.910 min Scan# 4659
Delta R.T. 0.000 min
Lab File: BG057300.D
Acq: 4 May 2023 12:36

Tgt Ion:276 Resp: 73730
Ion Ratio Lower Upper
276 100
138 10.0 8.7 13.1
277 23.4 18.4 27.6

