

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052824\
 Data File : BG061306.D
 Acq On : 28 May 2024 19:22
 Operator : MA/JU
 Sample : P2568-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5R5

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
 Supervised By :mohammad ahmed 05/30/2024

Quant Time: May 28 23:02:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.883	152	28280	20.000	ng/u1	0.00
20) Naphthalene-d8	10.674	136	127594	20.000	ng/u1	#-0.01
38) Acenaphthene-d10	14.516	164	102152	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	238666	20.000	ng/u1	0.00
79) Chrysene-d12	21.514	240	245344	20.000	ng/u1	0.00
88) Perylene-d12	24.604	264	275865	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	2778	5.497	ng/uL	0.00
4) Pyridine-d5	3.746	84	45351	25.226	ng/u1	0.00
7) Phenol-d5	7.060	99	72282	31.124	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.213	67	43428	29.751	ng/u1	0.00
11) 2-Chlorophenol-d4	7.419	132	55323	32.188	ng/u1	0.00
15) 4-Methylphenol-d8	8.594	113	65480	33.066	ng/u1	-0.01
21) Nitrobenzene-d5	9.040	128	30897	31.451	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	35377	30.770	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.309	165	73329	32.715	ng/u1	0.00
31) 4-Chloroaniline-d4	10.809	131	87005	29.670	ng/u1	-0.01
46) Dimethylphthalate-d6	13.923	166	257297	32.476	ng/u1	0.00
49) Acenaphthylene-d8	14.211	160	283461	34.414	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	31720m	32.384	ng/u1	0.00
60) Fluorene-d10	15.509	176	231405	33.831	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.644	200	40427	28.006	ng/u1	0.00
73) Anthracene-d10	17.366	188	371190	35.277	ng/u1	0.00
81) Pyrene-d10	19.657	212	438700	34.825	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.393	264	476332	35.916	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.727	128	8017	1.190	ng/u1#	92
52) Acenaphthene	14.581	153	11408	1.904	ng/u1	94
61) Fluorene	15.568	166	7703	1.039	ng/u1	99
72) Phenanthrene	17.307	178	154777	13.361	ng/u1	98
74) Anthracene	17.395	178	30343	2.533	ng/u1	97
77) Carbazole	17.665	167	20976	2.153	ng/u1	97
80) Fluoranthene	19.322	202	303920	20.111	ng/u1	99
82) Pyrene	19.687	202	279837	17.839	ng/u1	98
85) Benzo(a)anthracene	21.496	228	192370	11.363	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.408	149	14317	1.795	ng/u1	99
87) Chrysene	21.561	228	185860	11.923	ng/u1	97
90) Benzo(b)fluoranthene	23.629	252	261101	15.897	ng/u1#	99
91) Benzo(k)fluoranthene	23.682	252	105811m	6.346	ng/u1	
93) Benzo(a)pyrene	24.457	252	201049	12.891	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.089	276	139635	7.403	ng/u1	98
95) Dibenzo(a,h)anthracene	28.130	278	37549m	2.414	ng/u1	
96) Benzo(g,h,i)perylene	29.181	276	134199m	8.944	ng/u1	

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

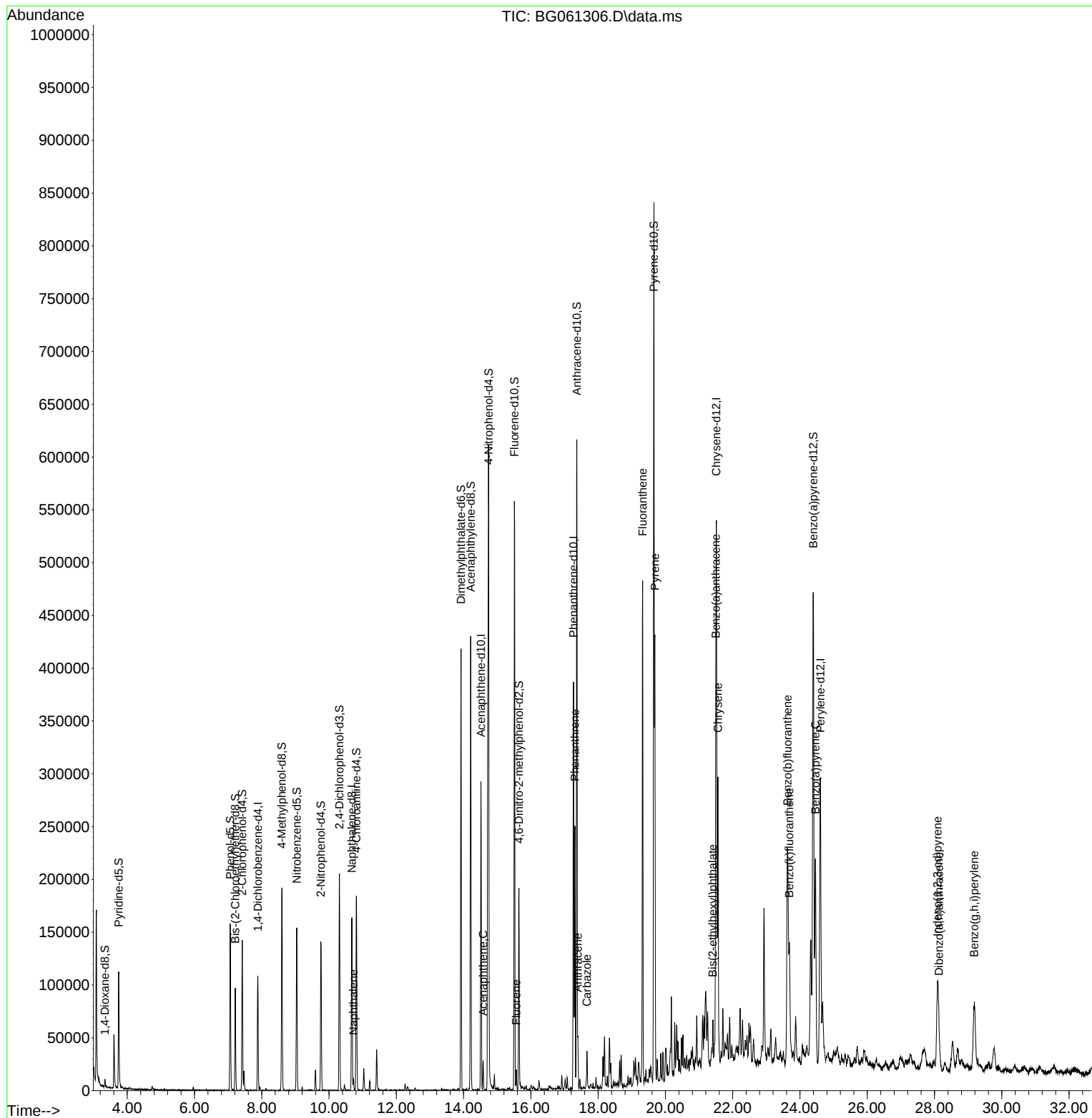
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052824\
 Data File : BG061306.D
 Acq On : 28 May 2024 19:22
 Operator : MA/JU
 Sample : P2568-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

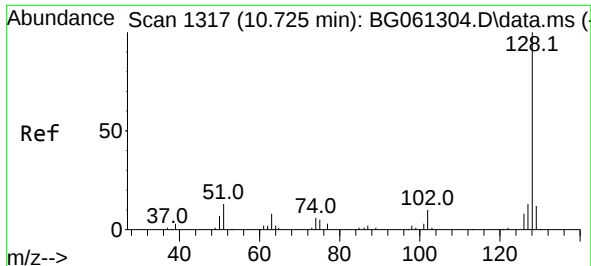
Instrument :
 BNA_G
 ClientSampleId :
 BH5R5

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
 Supervised By :mohammad ahmed 05/30/2024

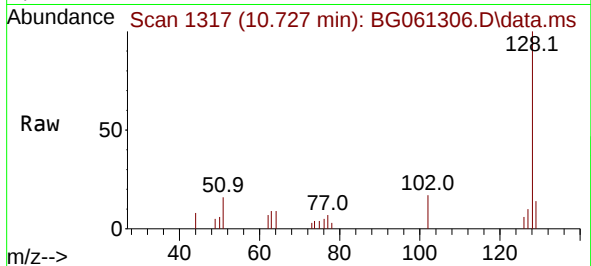
Quant Time: May 28 23:02:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration





#30
Naphthalene
Concen: 1.190 ng/ul
RT: 10.727 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22

Instrument :
BNA_G
ClientSampleId :
BH5R5

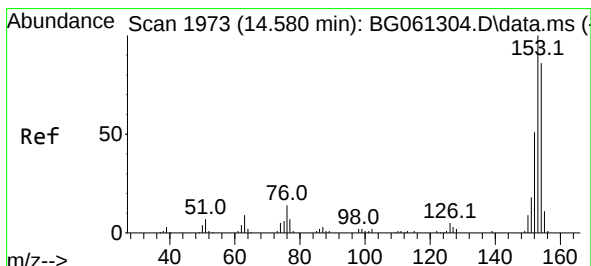
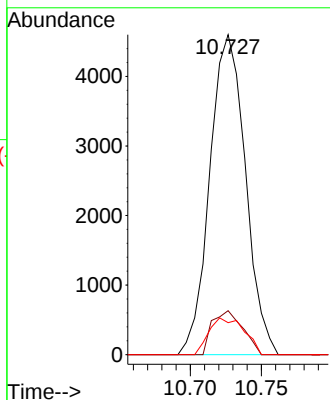
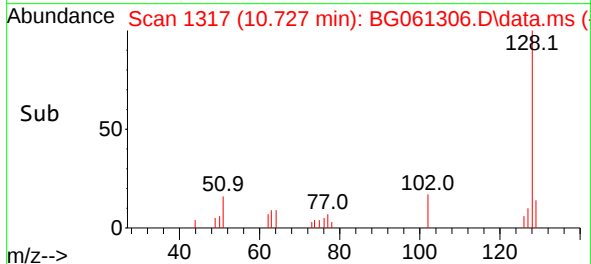


Tgt Ion:128 Resp: 801

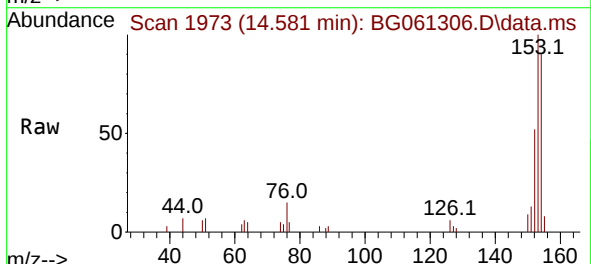
Ion	Ratio	Lower	Upper
128	100		
129	13.8	8.6	12.8
127	10.0	10.8	16.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

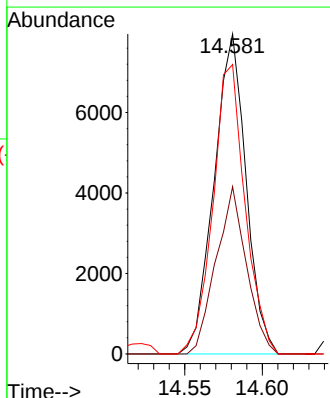
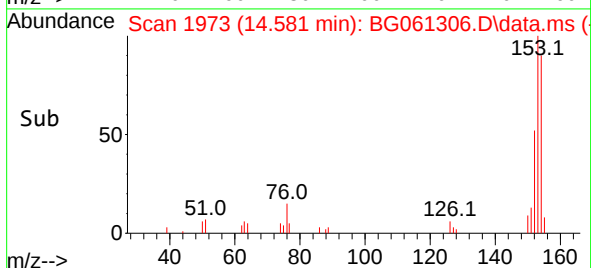


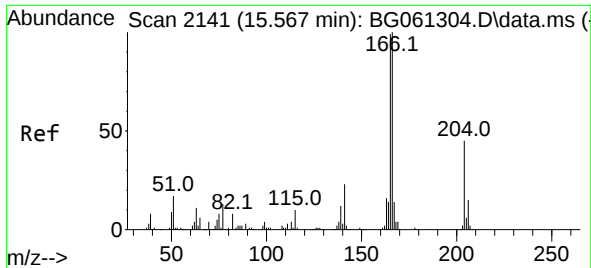
#52
Acenaphthene
Concen: 1.904 ng/ul
RT: 14.581 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22



Tgt Ion:153 Resp: 11408

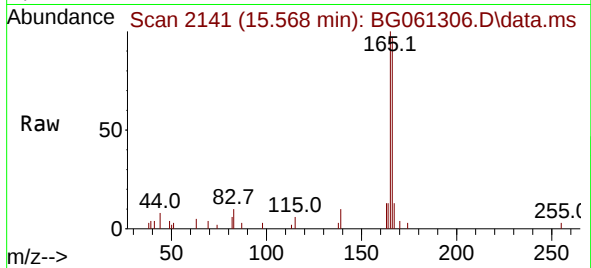
Ion	Ratio	Lower	Upper
153	100		
152	52.3	37.8	56.8
154	90.5	69.0	103.6





#61
Fluorene
Concen: 1.039 ng/ul
RT: 15.568 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22

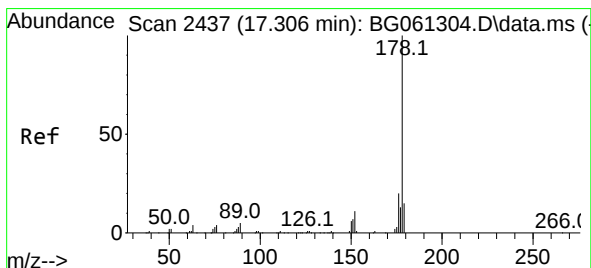
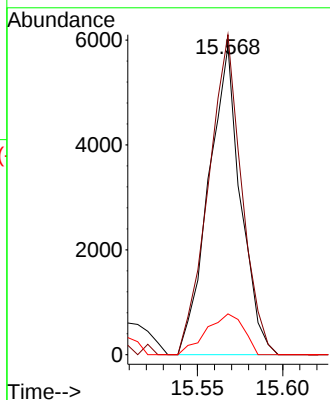
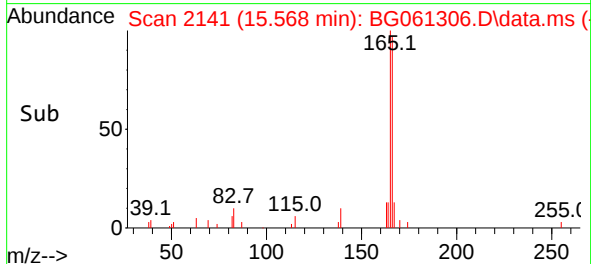
Instrument :
BNA_G
ClientSampleId :
BH5R5



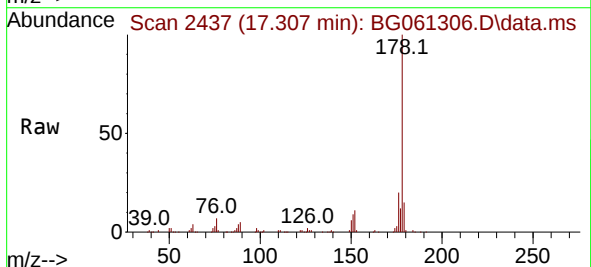
Tgt Ion:166 Resp: 770
Ion Ratio Lower Upper
166 100
165 103.6 81.8 122.8
167 13.2 10.6 16.0

Manual Integrations
APPROVED

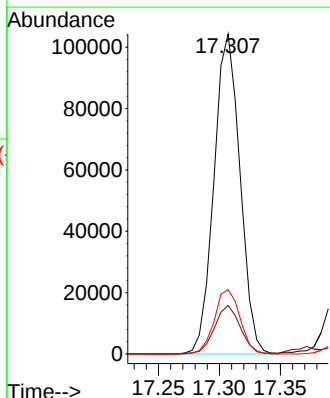
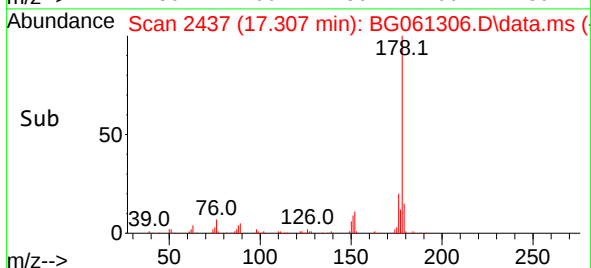
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

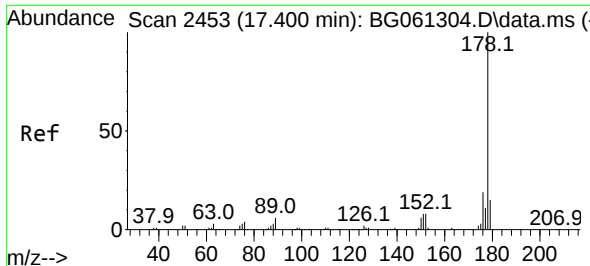


#72
Phenanthrene
Concen: 13.361 ng/ul
RT: 17.307 min Scan# 2437
Delta R.T. -0.006 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22



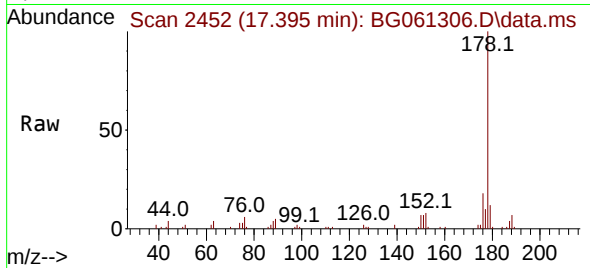
Tgt Ion:178 Resp: 154777
Ion Ratio Lower Upper
178 100
179 15.1 12.7 19.1
176 20.1 15.5 23.3





#74
 Anthracene
 Concen: 2.533 ng/u1
 RT: 17.395 min Scan# 2453
 Delta R.T. -0.006 min
 Lab File: BG061306.D
 Acq: 28 May 2024 19:22

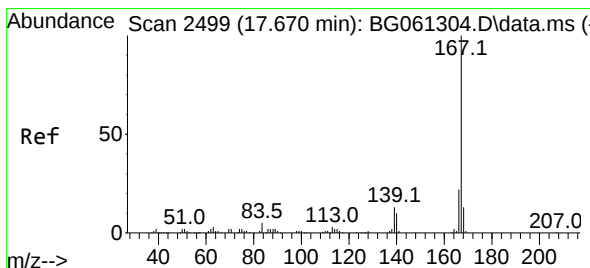
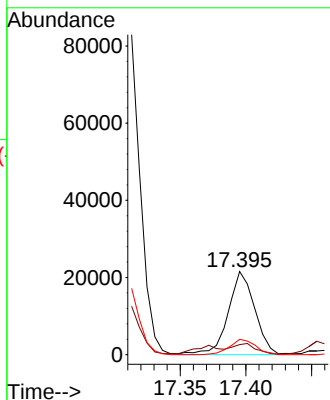
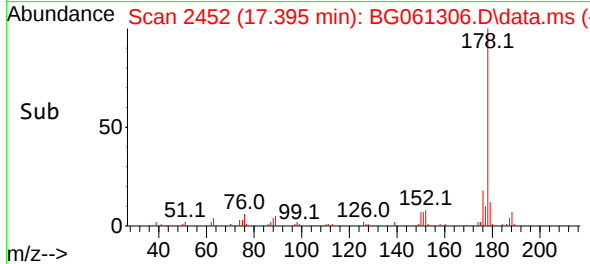
Instrument :
 BNA_G
 ClientSampleId :
 BH5R5



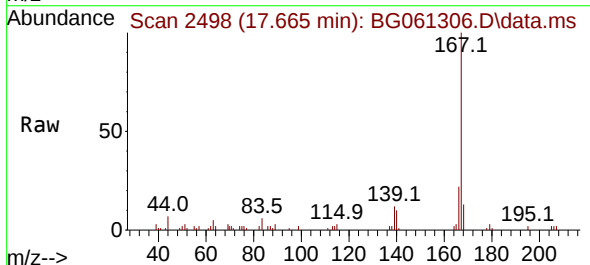
Tgt Ion:178 Resp: 3034
 Ion Ratio Lower Upper
 178 100
 179 12.1 11.8 17.6
 176 18.5 14.9 22.3

Manual Integrations
 APPROVED

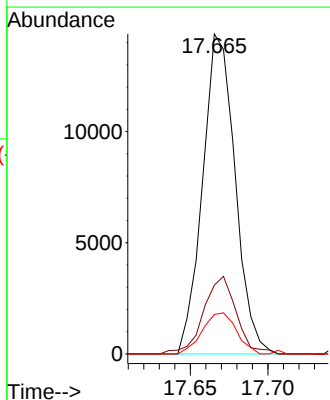
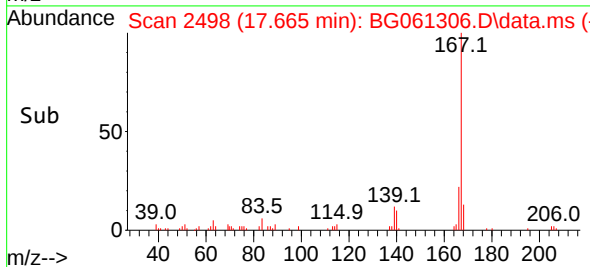
Reviewed By :Jagrut Upadhyay 05/29/2024
 Supervised By :mohammad ahmed 05/30/2024

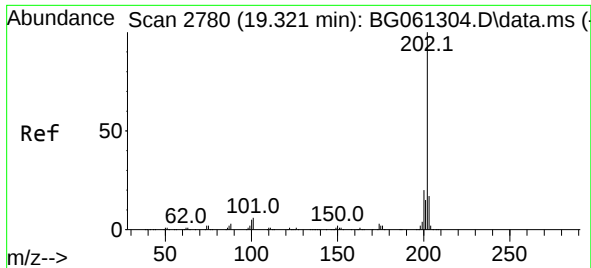


#77
 Carbazole
 Concen: 2.153 ng/u1
 RT: 17.665 min Scan# 2498
 Delta R.T. -0.012 min
 Lab File: BG061306.D
 Acq: 28 May 2024 19:22



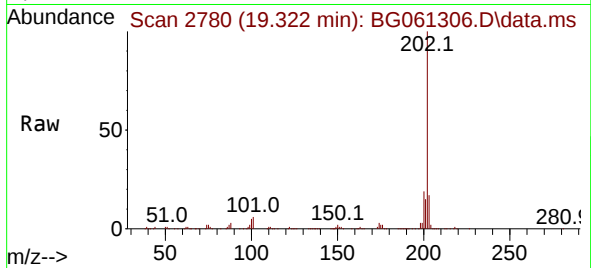
Tgt Ion:167 Resp: 20976
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.6 28.0
 139 12.3 10.6 15.8





#80
Fluoranthene
Concen: 20.111 ng/u1
RT: 19.322 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22

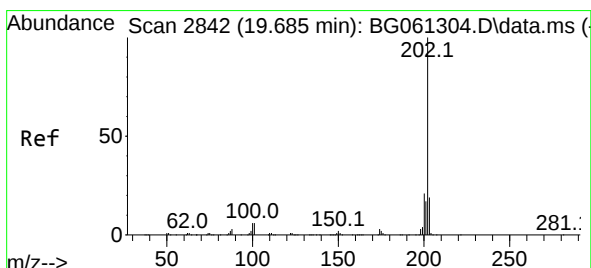
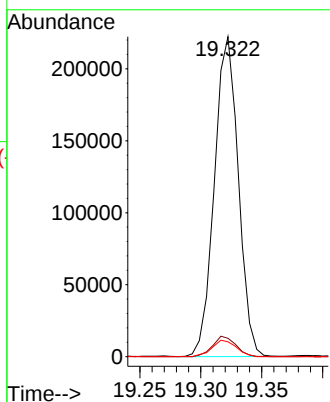
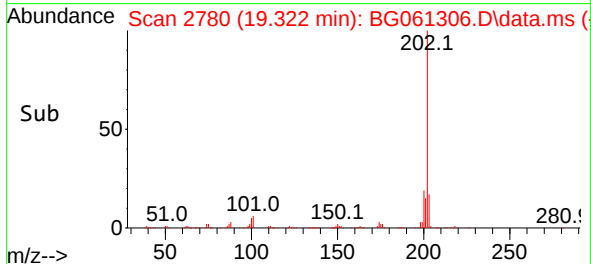
Instrument :
BNA_G
ClientSampleId :
BH5R5



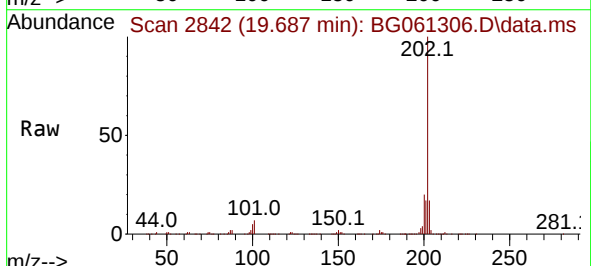
Tgt Ion:202 Resp: 303920
Ion Ratio Lower Upper
202 100
101 5.8 4.8 7.2
100 4.7 4.1 6.1

Manual Integrations
APPROVED

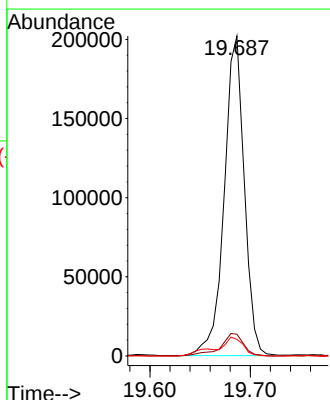
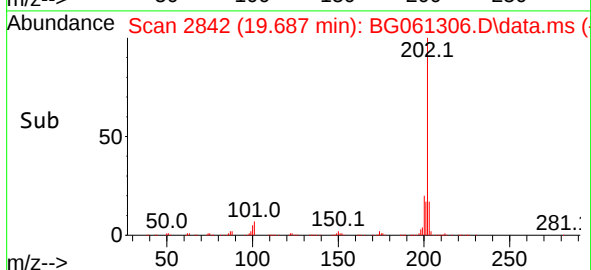
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

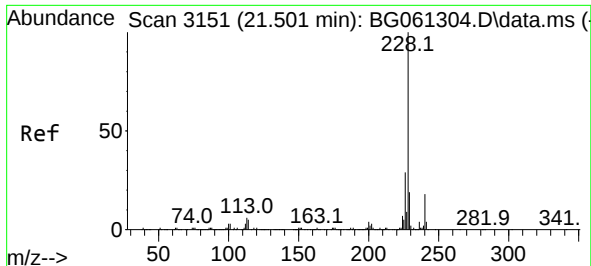


#82
Pyrene
Concen: 17.839 ng/u1
RT: 19.687 min Scan# 2842
Delta R.T. 0.000 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22



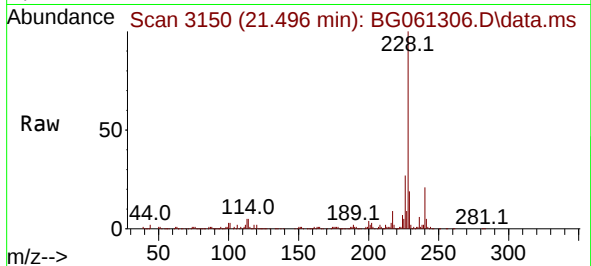
Tgt Ion:202 Resp: 279837
Ion Ratio Lower Upper
202 100
101 6.8 5.7 8.5
100 5.2 5.1 7.7





#85
Benzo(a)anthracene
Concen: 11.363 ng/ul
RT: 21.496 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22

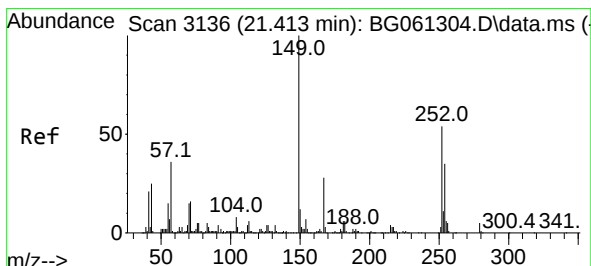
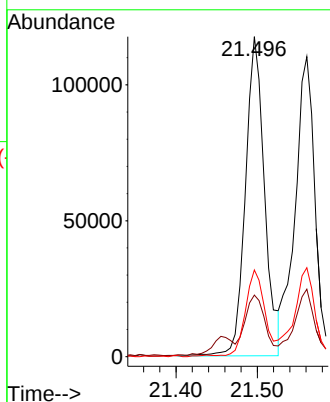
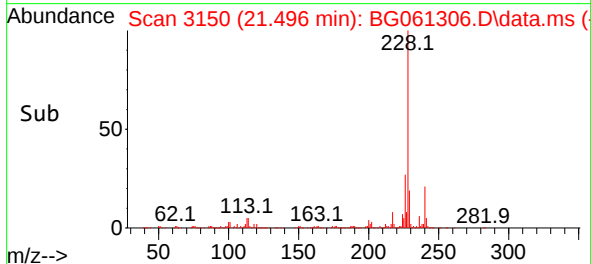
Instrument :
BNA_G
ClientSampleId :
BH5R5



Tgt Ion:228 Resp: 192370
Ion Ratio Lower Upper
228 100
229 19.2 15.2 22.8
226 27.1 21.4 32.2

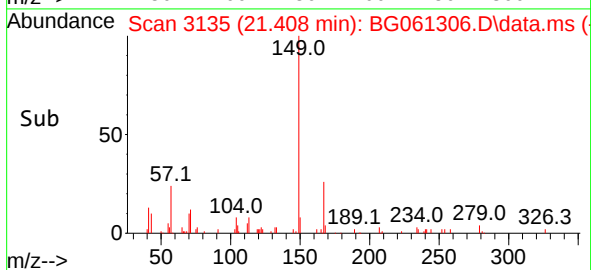
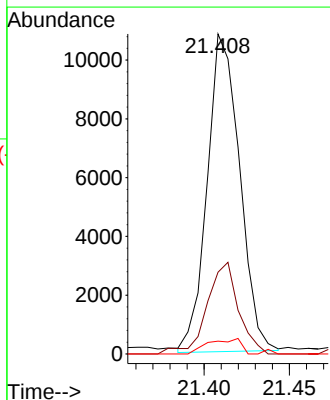
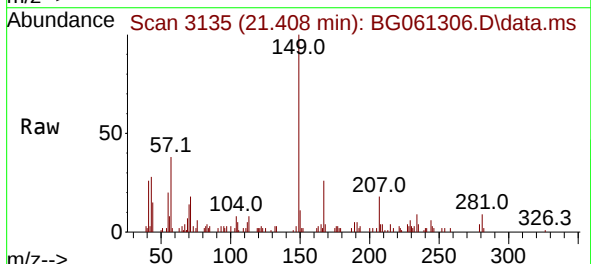
Manual Integrations
APPROVED

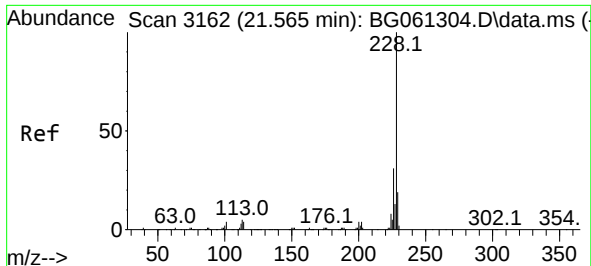
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.795 ng/ul
RT: 21.408 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22

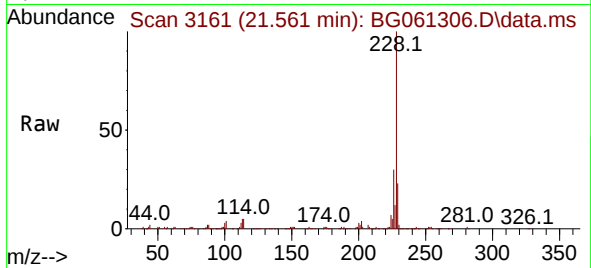
Tgt Ion:149 Resp: 14317
Ion Ratio Lower Upper
149 100
167 25.5 21.1 31.7
279 4.0 3.3 4.9





#87
Chrysene
Concen: 11.923 ng/ul
RT: 21.561 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22

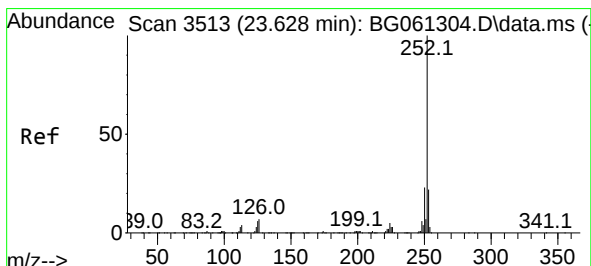
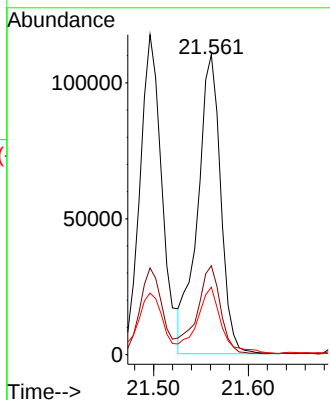
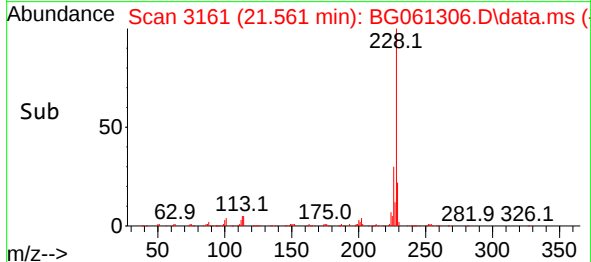
Instrument :
BNA_G
ClientSampleId :
BH5R5



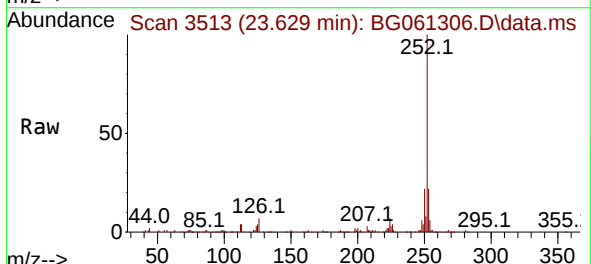
Tgt Ion:228 Resp: 185860
Ion Ratio Lower Upper
228 100
226 29.6 23.4 35.0
229 22.5 15.4 23.2

Manual Integrations
APPROVED

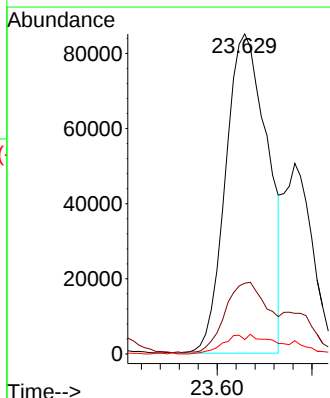
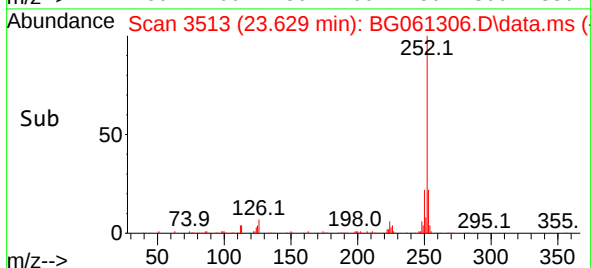
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

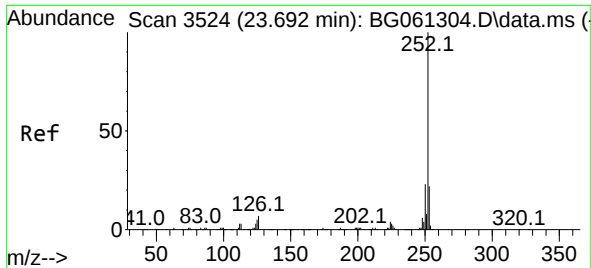


#90
Benzo(b)fluoranthene
Concen: 15.897 ng/ul
RT: 23.629 min Scan# 3513
Delta R.T. 0.000 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22



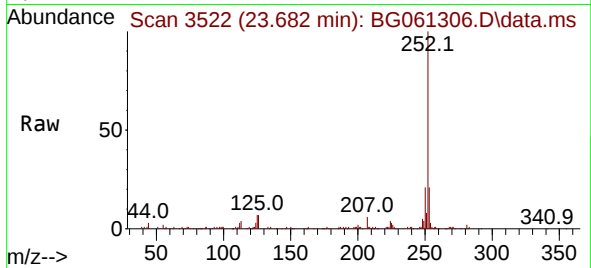
Tgt Ion:252 Resp: 261101
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 4.5 4.6 6.8#





#91
Benzo(k)fluoranthene
Concen: 6.346 ng/ul m
RT: 23.682 min Scan# 3522
Delta R.T. -0.012 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22

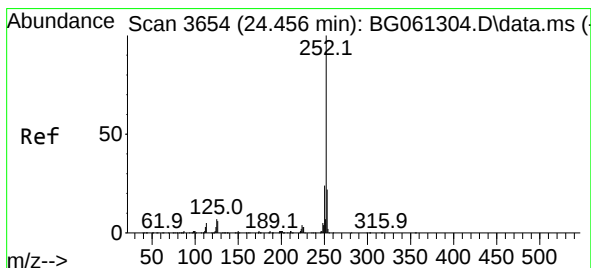
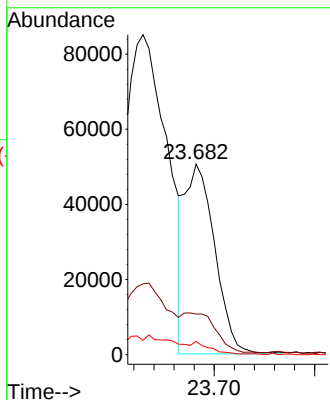
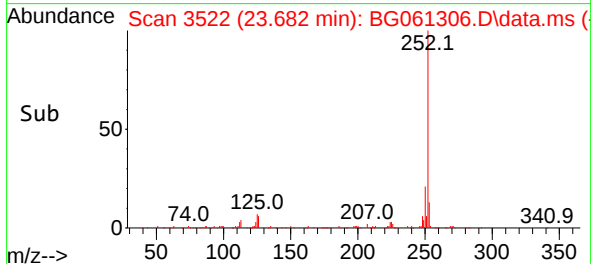
Instrument :
BNA_G
ClientSampleId :
BH5R5



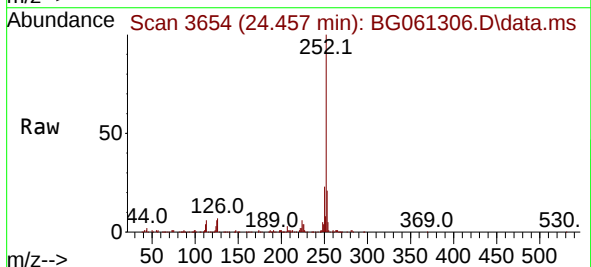
Tgt Ion:252 Resp: 10581
Ion Ratio Lower Upper
252 100
253 21.4 16.0 24.0
125 7.0 4.3 6.5

Manual Integrations
APPROVED

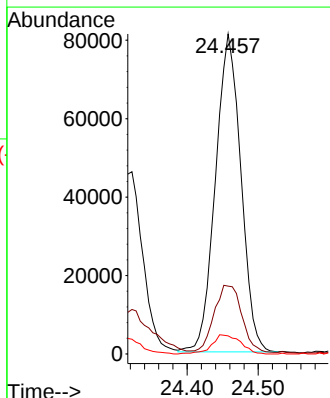
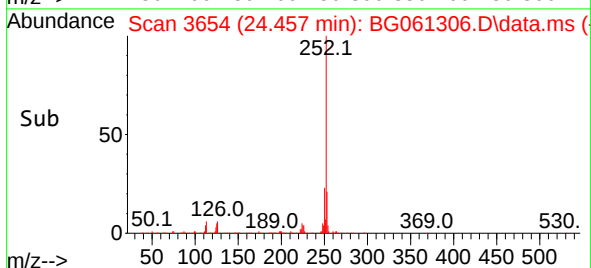
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

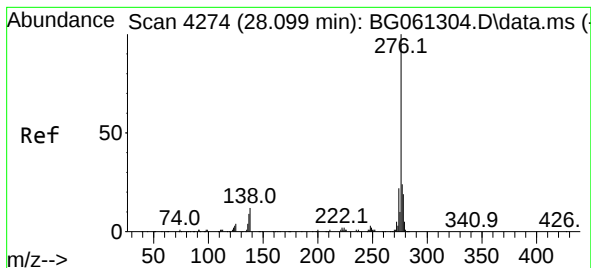


#93
Benzo(a)pyrene
Concen: 12.891 ng/ul
RT: 24.457 min Scan# 3654
Delta R.T. -0.006 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22



Tgt Ion:252 Resp: 201049
Ion Ratio Lower Upper
252 100
253 21.2 16.4 24.6
125 5.6 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.403 ng/ul

RT: 28.089 min Scan# 41

Delta R.T. -0.018 min

Lab File: BG061306.D

Acq: 28 May 2024 19:22

Instrument :

BNA_G

ClientSampleId :

BH5R5

Tgt Ion:276 Resp: 13963

Ion Ratio Lower Upper

276 100

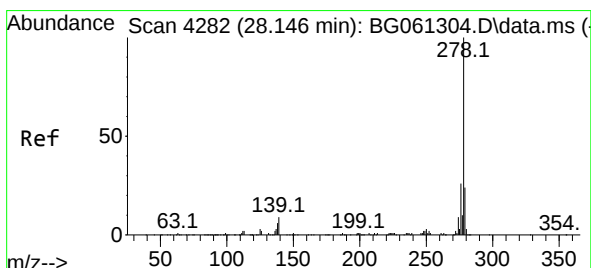
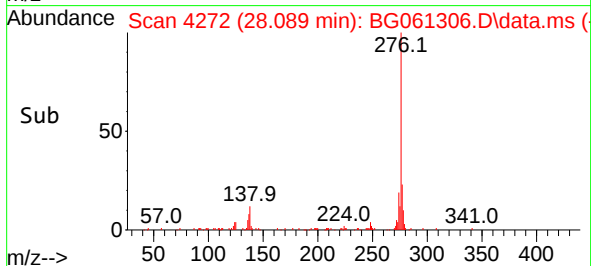
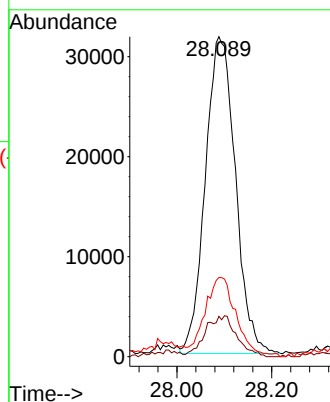
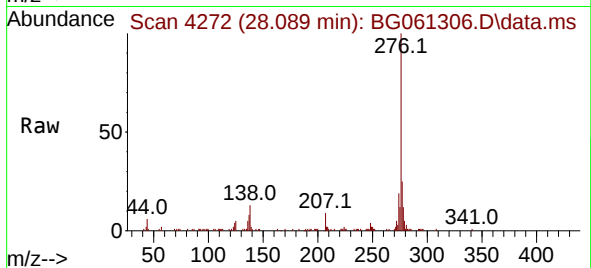
138 12.6 8.6 13.0

277 24.7 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.414 ng/ul m

RT: 28.130 min Scan# 4279

Delta R.T. -0.029 min

Lab File: BG061306.D

Acq: 28 May 2024 19:22

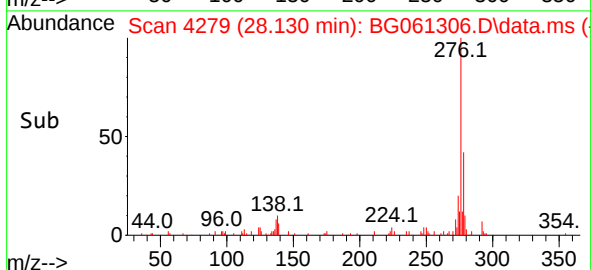
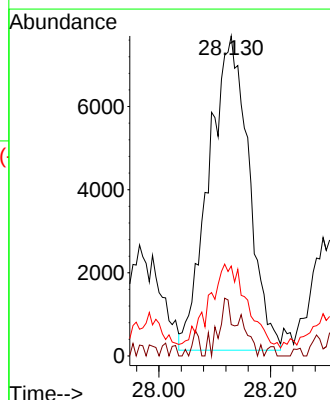
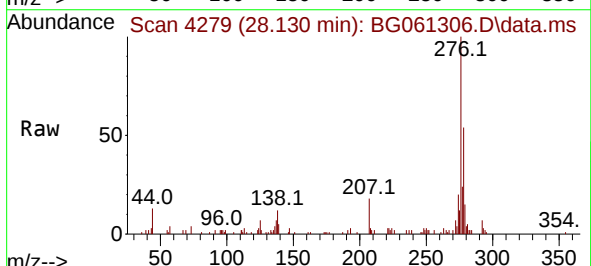
Tgt Ion:278 Resp: 37549

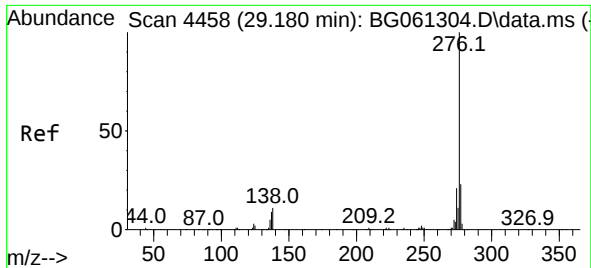
Ion Ratio Lower Upper

278 100

139 9.8 6.4 9.6#

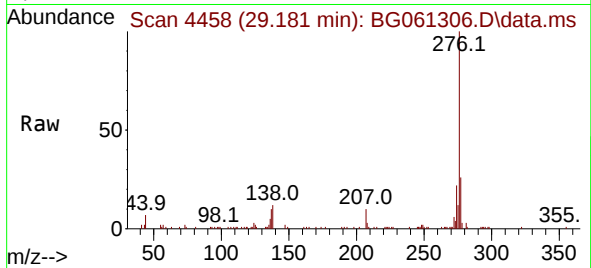
279 28.1 19.9 29.9





#96
Benzo(g,h,i)perylene
Concen: 8.944 ng/ul m
RT: 29.181 min Scan# 44
Delta R.T. -0.012 min
Lab File: BG061306.D
Acq: 28 May 2024 19:22

Instrument :
BNA_G
ClientSampleId :
BH5R5



Tgt Ion:276 Resp: 134199
Ion Ratio Lower Upper
276 100
138 12.1 8.7 13.1
277 26.0 18.2 27.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

