

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052924\
 Data File : BG061353.D
 Acq On : 30 May 2024 8:24
 Operator : MA/JU
 Sample : P2571-13
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH667

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 30 09:07:35 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	7.876	152	26368	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.673	136	110792	20.000	ng/u1	#-0.01
38) Acenaphthene-d10	14.516	164	85196	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	187759	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.513	240	194078	20.000	ng/u1	0.00
88) Perylene-d12	24.604	264	217498	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	1930	4.096	ng/uL	0.00
4) Pyridine-d5	3.752	84	7986	4.764	ng/u1	0.00
7) Phenol-d5	7.060	99	44838	20.707	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.213	67	30867	22.679	ng/u1	0.00
11) 2-Chlorophenol-d4	7.418	132	37810	23.594	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	16042	8.688	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	21069	24.699	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.757	143	23567	23.607	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.309	165	44307	22.765	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	16636	6.534	ng/u1	-0.01
46) Dimethylphthalate-d6	13.922	166	156037	23.615	ng/u1	0.00
49) Acenaphthylene-d8	14.210	160	170721	24.852	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	12774m	15.637	ng/u1	0.00
60) Fluorene-d10	15.509	176	137334	24.074	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.644	200	15947	14.043	ng/u1	0.00
73) Anthracene-d10	17.365	188	204209	24.670	ng/u1	0.00
81) Pyrene-d10	19.657	212	256972	25.787	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.392	264	269078	25.733	ng/u1	0.00
Target Compounds					Qvalue	
72) Phenanthrene	17.307	178	108731	11.931	ng/u1	99
74) Anthracene	17.395	178	13055m	1.386	ng/u1	
77) Carbazole	17.665	167	10658	1.391	ng/u1	95
78) Di-n-butylphthalate	18.229	149	21803	2.270	ng/u1	99
80) Fluoranthene	19.322	202	350982	29.360	ng/u1	99
82) Pyrene	19.686	202	320558	25.833	ng/u1	99
83) Butylbenzylphthalate	20.573	149	21547	5.055	ng/u1	95
85) Benzo(a)anthracene	21.496	228	179573	13.410	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.408	149	132948	21.070	ng/u1#	97
87) Chrysene	21.560	228	214689	17.411	ng/u1	97
90) Benzo(b)fluoranthene	23.634	252	292654	22.599	ng/u1	99
91) Benzo(k)fluoranthene	23.687	252	103046m	7.838	ng/u1	
93) Benzo(a)pyrene	24.463	252	183702	14.939	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.094	276	125262	8.424	ng/u1	97
95) Dibenzo(a,h)anthracene	28.141	278	34208m	2.790	ng/u1	
96) Benzo(g,h,i)perylene	29.187	276	115467m	9.761	ng/u1	

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

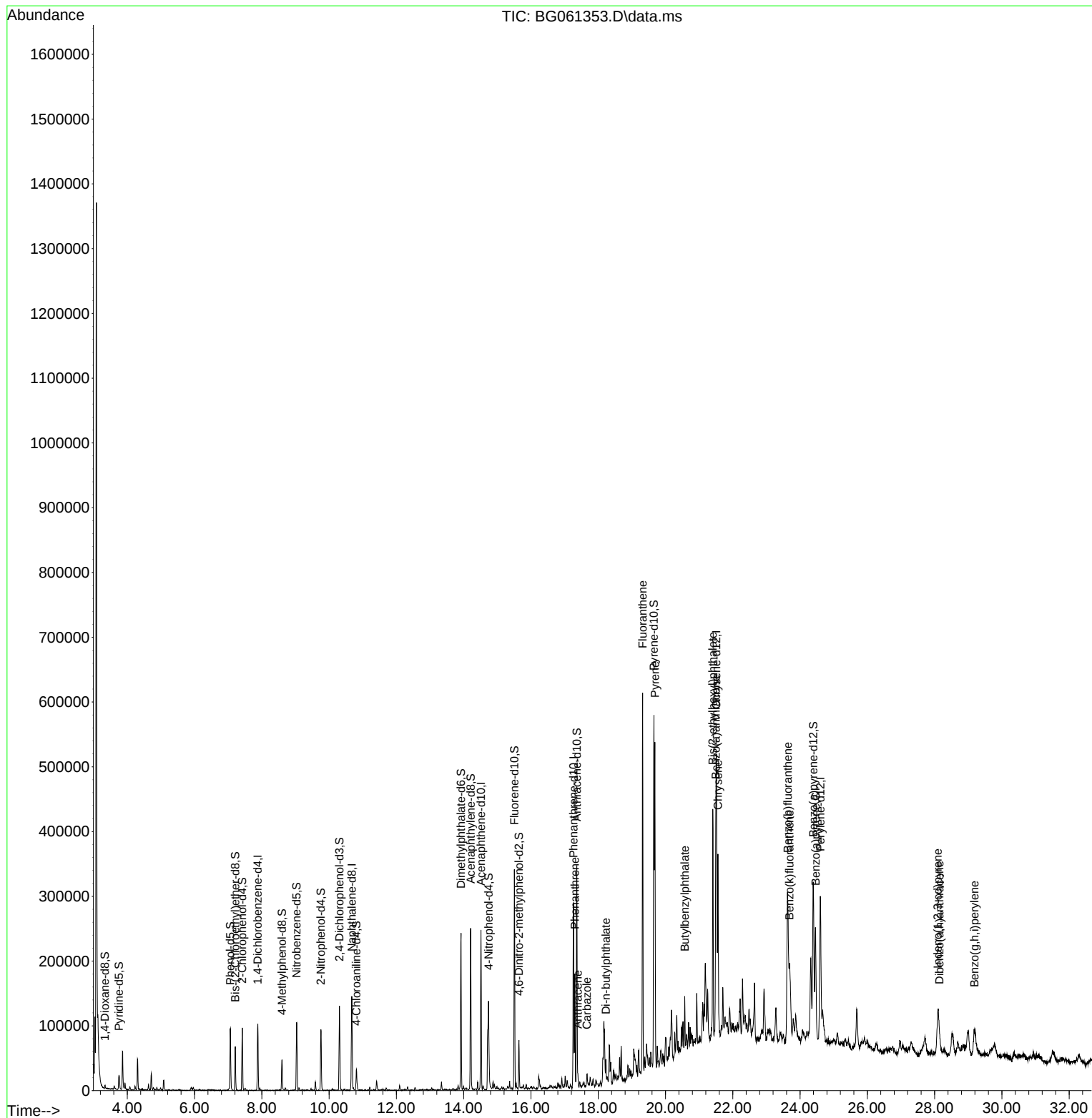
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052924\
Data File : BG061353.D
Acq On : 30 May 2024 8:24
Operator : MA/JU
Sample : P2571-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

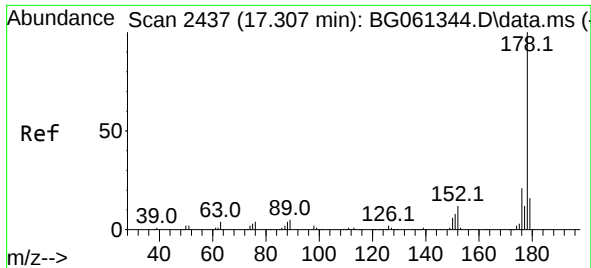
Instrument :
BNA_G
ClientSampleId :
BH667

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024

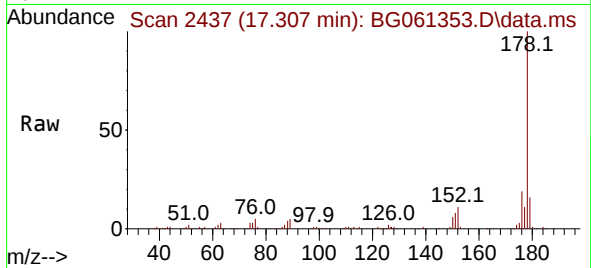
Quant Time: May 30 09:07:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration





#72
Phenanthrene
Concen: 11.931 ng/ul
RT: 17.307 min Scan# 2437
Delta R.T. -0.006 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24

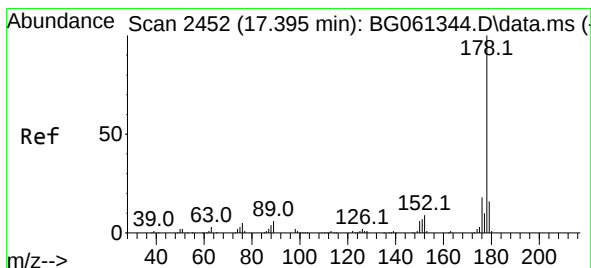
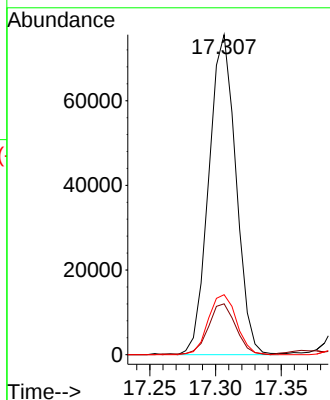
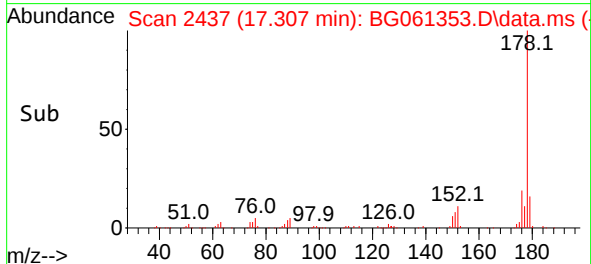
Instrument :
BNA_G
ClientSampleId :
BH667



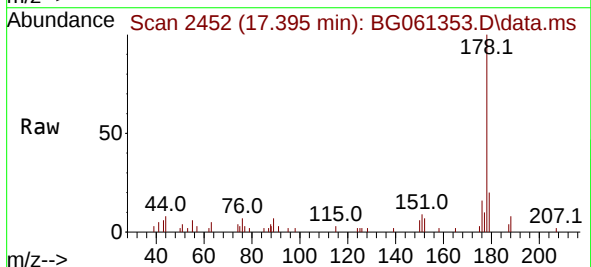
Tgt Ion:178 Resp: 10873
Ion Ratio Lower Upper
178 100
179 15.9 12.7 19.1
176 18.7 15.5 23.3

Manual Integrations
APPROVED

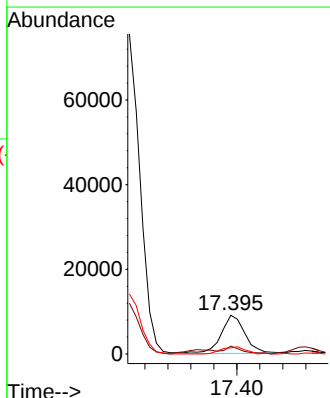
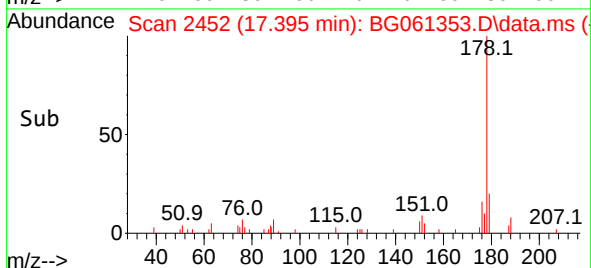
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024

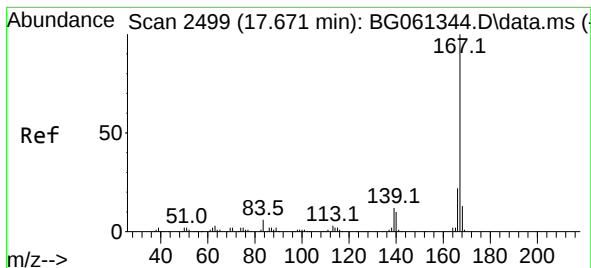


#74
Anthracene
Concen: 1.386 ng/ul m
RT: 17.395 min Scan# 2452
Delta R.T. -0.006 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24



Tgt Ion:178 Resp: 13055
Ion Ratio Lower Upper
178 100
179 20.1 11.8 17.6#
176 15.8 14.9 22.3





#77

Carbazole

Concen: 1.391 ng/ul

RT: 17.665 min Scan# 2498

Delta R.T. -0.012 min

Lab File: BG061353.D

Acq: 30 May 2024 8:24

Instrument :

BNA_G

ClientSampleId :

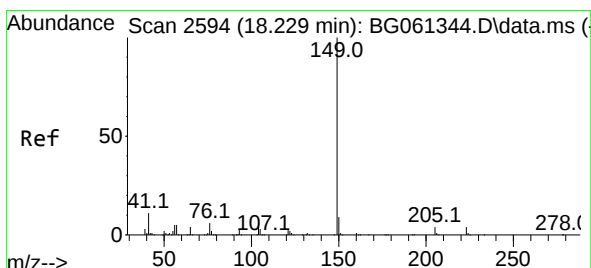
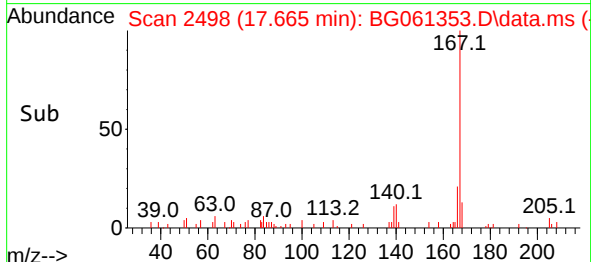
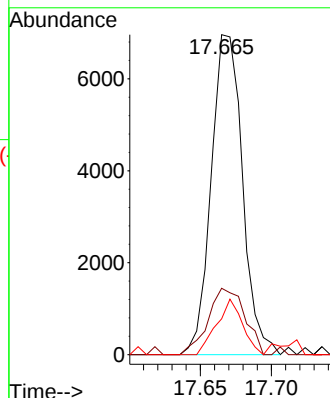
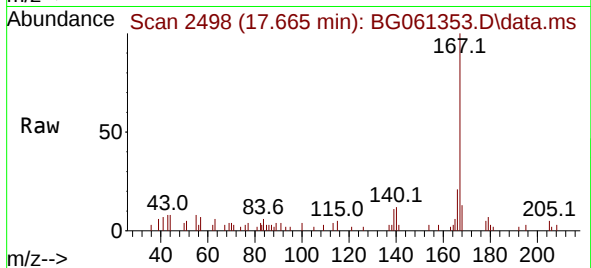
BH667

Tgt Ion:	167	Resp:	1065
Ion Ratio	Lower	Upper	
167	100		
166	20.7	18.6	28.0
139	11.2	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024



#78

Di-n-butylphthalate

Concen: 2.270 ng/ul

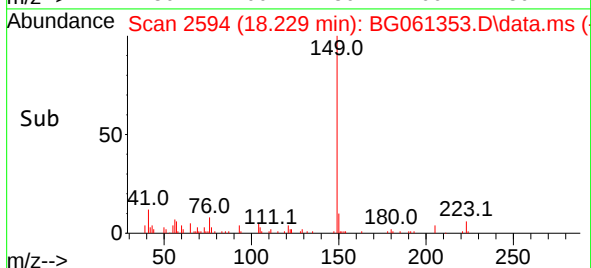
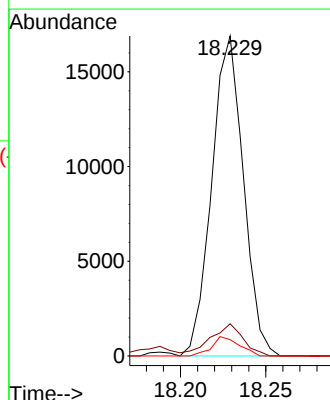
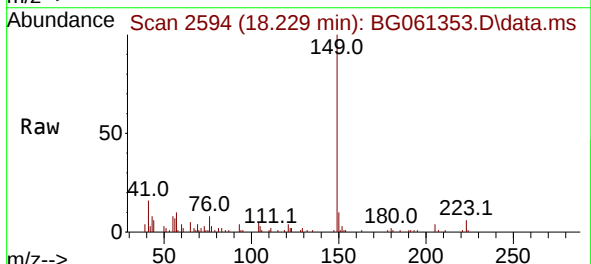
RT: 18.229 min Scan# 2594

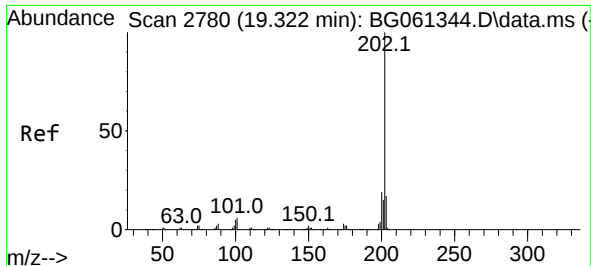
Delta R.T. -0.006 min

Lab File: BG061353.D

Acq: 30 May 2024 8:24

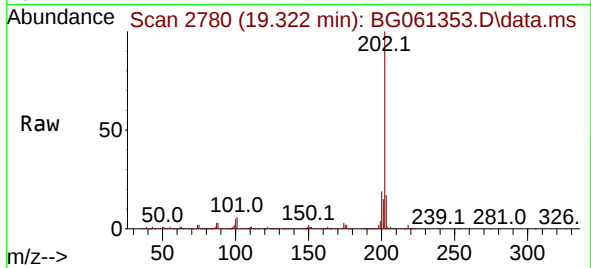
Tgt Ion:	149	Resp:	21803
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.8	11.8
104	5.1	4.8	7.2





#80
Fluoranthene
Concen: 29.360 ng/u1
RT: 19.322 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24

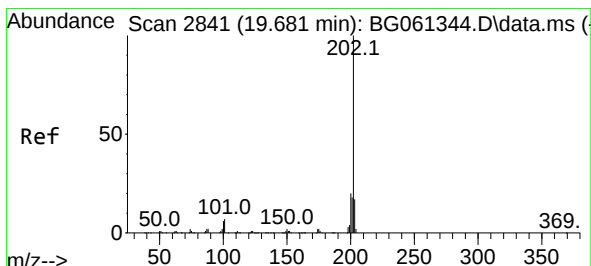
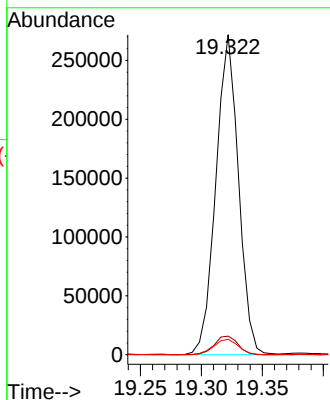
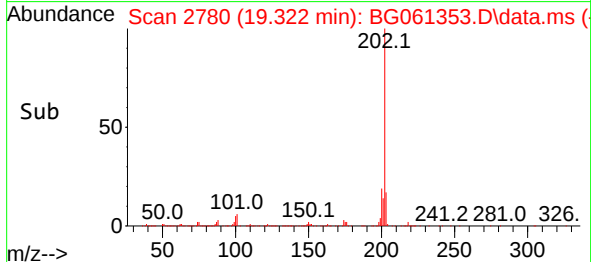
Instrument :
BNA_G
ClientSampleId :
BH667



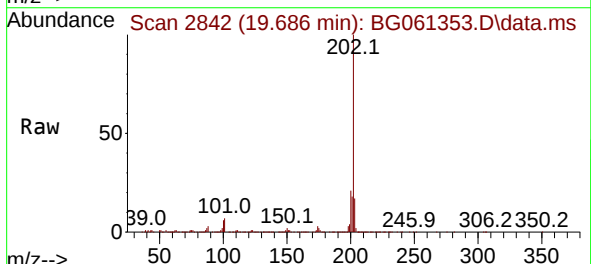
Tgt Ion:202 Resp: 35098
Ion Ratio Lower Upper
202 100
101 5.8 4.8 7.2
100 4.8 4.1 6.1

Manual Integrations
APPROVED

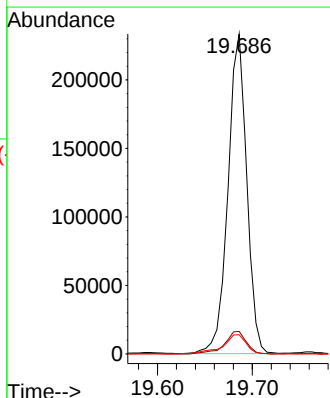
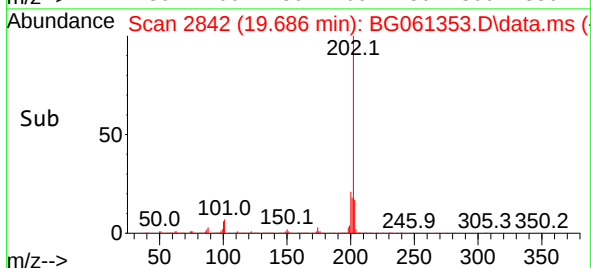
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024

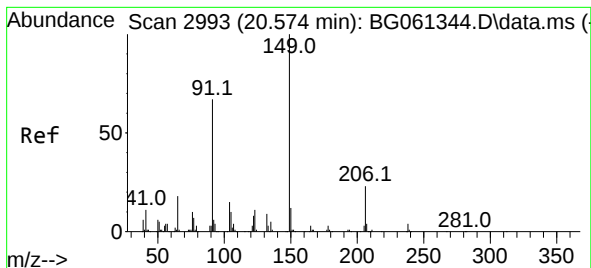


#82
Pyrene
Concen: 25.833 ng/u1
RT: 19.686 min Scan# 2842
Delta R.T. -0.000 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24



Tgt Ion:202 Resp: 320558
Ion Ratio Lower Upper
202 100
101 7.0 5.7 8.5
100 6.0 5.1 7.7





#83

Butylbenzylphthalate

Concen: 5.055 ng/ul

RT: 20.573 min Scan# 2993

Delta R.T. -0.006 min

Lab File: BG061353.D

Acq: 30 May 2024 8:24

Instrument :

BNA_G

ClientSampleId :

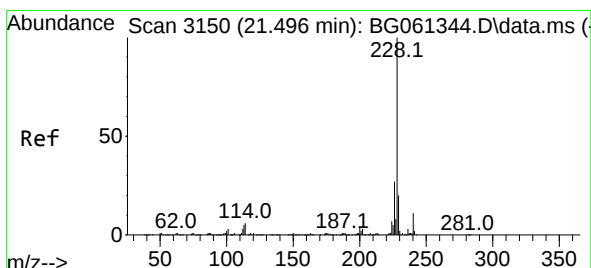
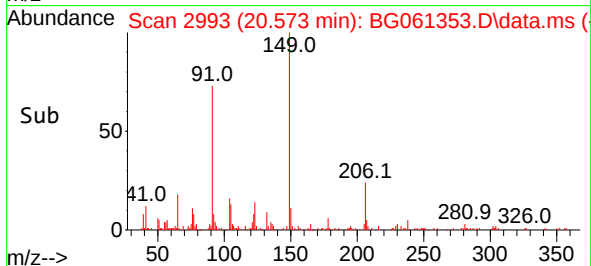
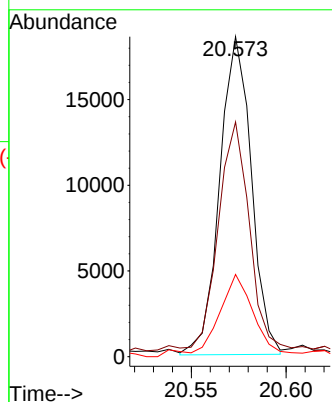
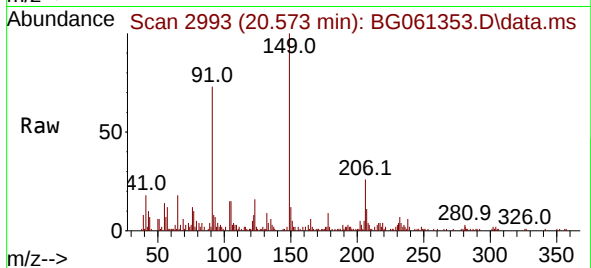
BH667

Tgt Ion:	149	Resp:	2154
Ion Ratio	Lower	Upper	
149	100		
91	73.4	54.8	82.2
206	25.7	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024



#85

Benzo(a)anthracene

Concen: 13.410 ng/ul

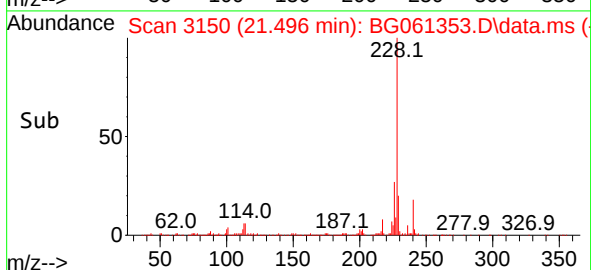
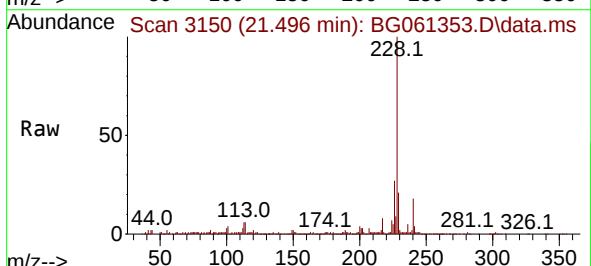
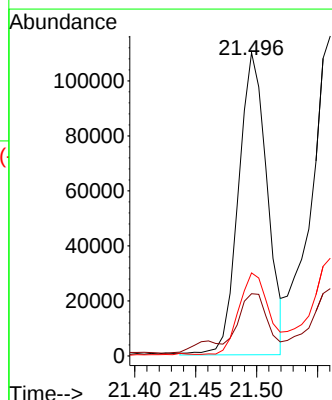
RT: 21.496 min Scan# 3150

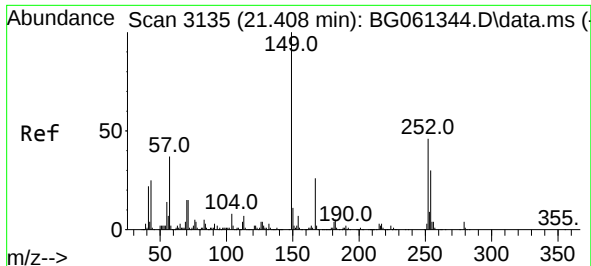
Delta R.T. -0.006 min

Lab File: BG061353.D

Acq: 30 May 2024 8:24

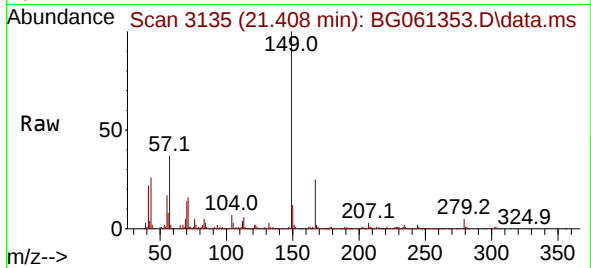
Tgt Ion:	228	Resp:	179573
Ion Ratio	Lower	Upper	
228	100		
229	20.5	15.2	22.8
226	27.4	21.4	32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 21.070 ng/ul
RT: 21.408 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24

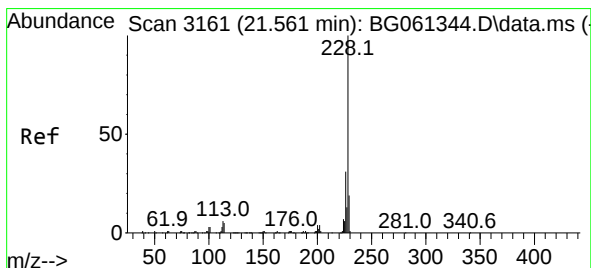
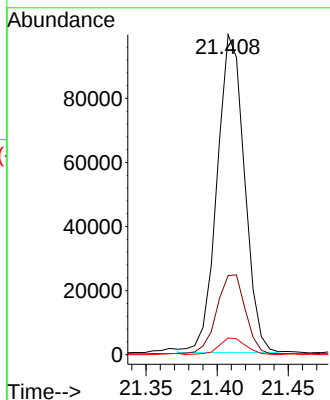
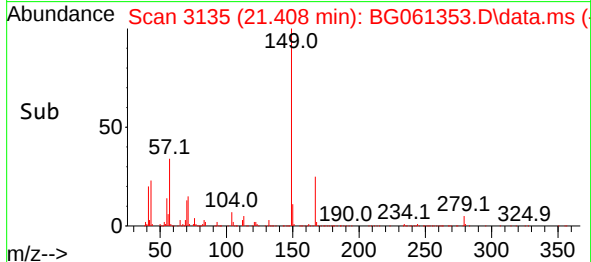
Instrument :
BNA_G
ClientSampleId :
BH667



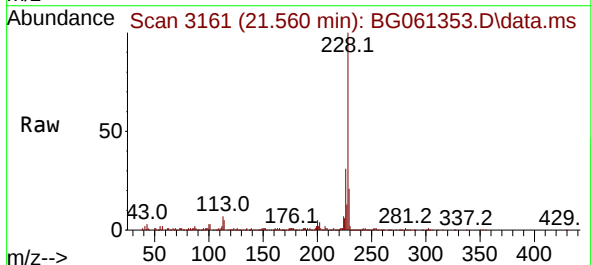
Tgt Ion:149 Resp: 132948
Ion Ratio Lower Upper
149 100
167 24.7 21.1 31.7
279 5.2 3.3 4.9

Manual Integrations
APPROVED

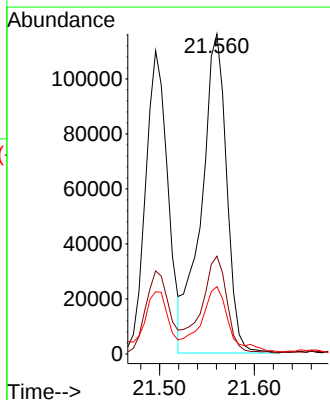
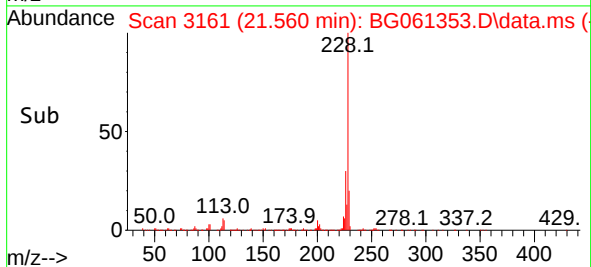
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024

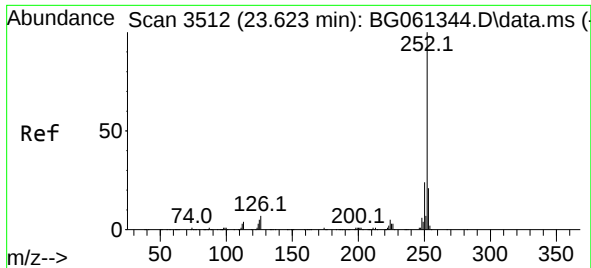


#87
Chrysene
Concen: 17.411 ng/ul
RT: 21.560 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24



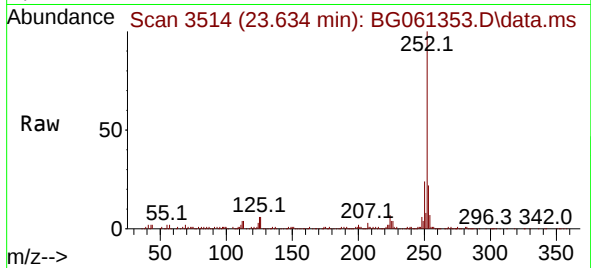
Tgt Ion:228 Resp: 214689
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.0
229 21.1 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 22.599 ng/ul
RT: 23.634 min Scan# 3512
Delta R.T. 0.006 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24

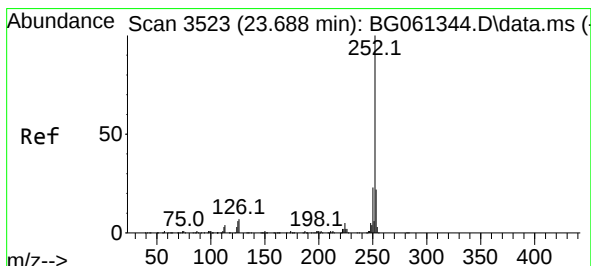
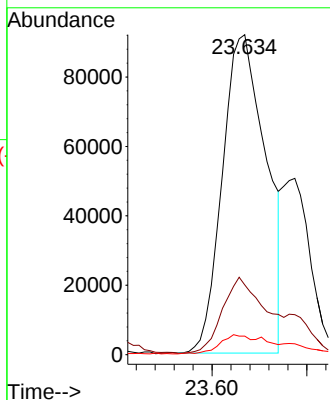
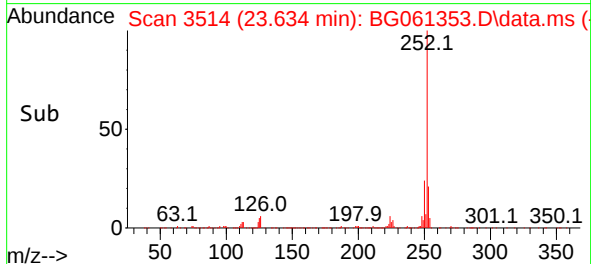
Instrument :
BNA_G
ClientSampleId :
BH667



Tgt Ion:252 Resp: 292654
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 5.8 4.6 6.8

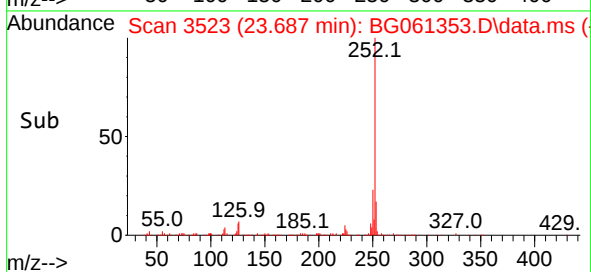
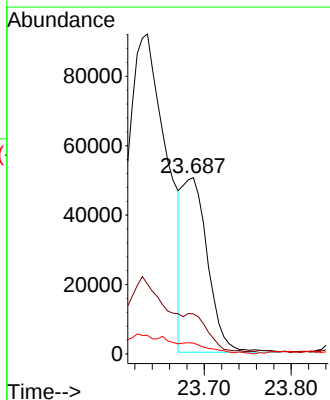
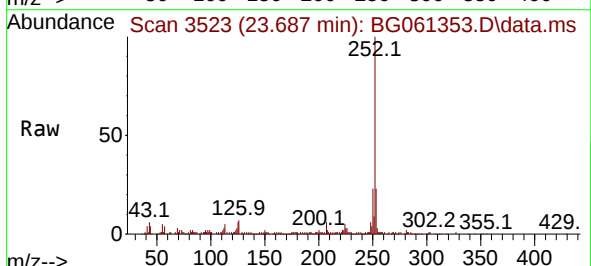
Manual Integrations
APPROVED

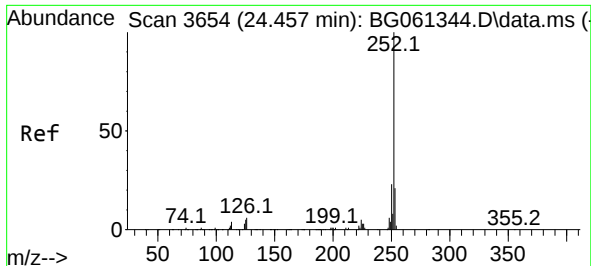
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024



#91
Benzo(k)fluoranthene
Concen: 7.838 ng/ul m
RT: 23.687 min Scan# 3523
Delta R.T. -0.006 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24

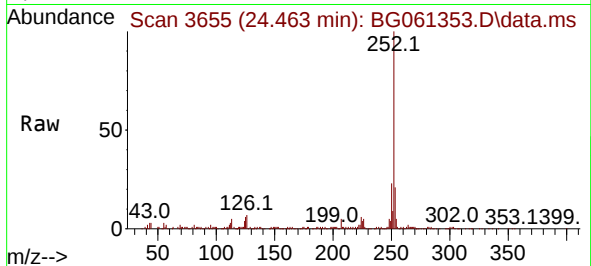
Tgt Ion:252 Resp: 103046
Ion Ratio Lower Upper
252 100
253 22.7 16.0 24.0
125 6.2 4.3 6.5





#93
Benzo(a)pyrene
Concen: 14.939 ng/ul
RT: 24.463 min Scan# 30
Delta R.T. -0.000 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24

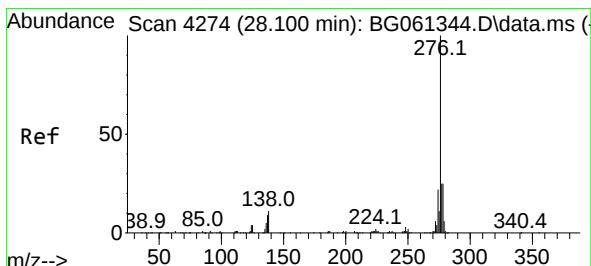
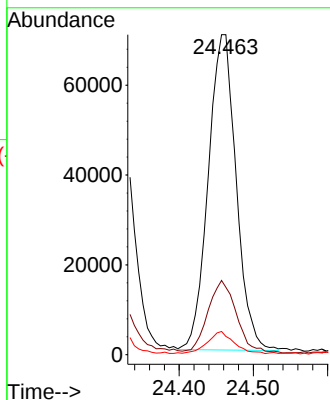
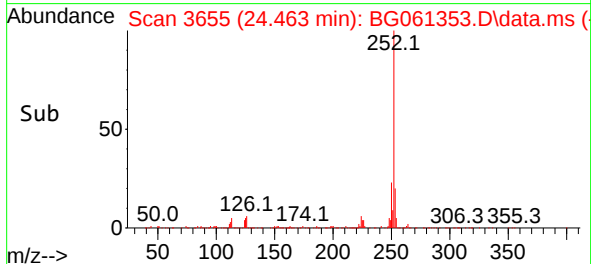
Instrument :
BNA_G
ClientSampleId :
BH667



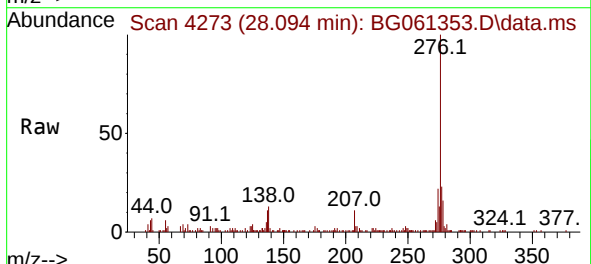
Tgt Ion:252 Resp: 183702
Ion Ratio Lower Upper
252 100
253 21.0 16.4 24.6
125 5.7 4.3 6.5

Manual Integrations
APPROVED

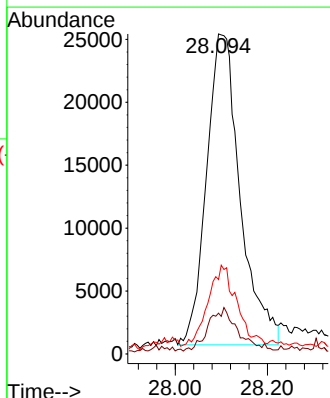
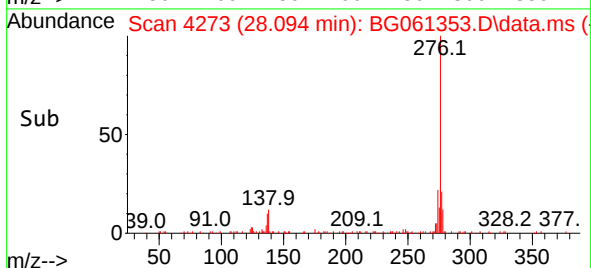
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024

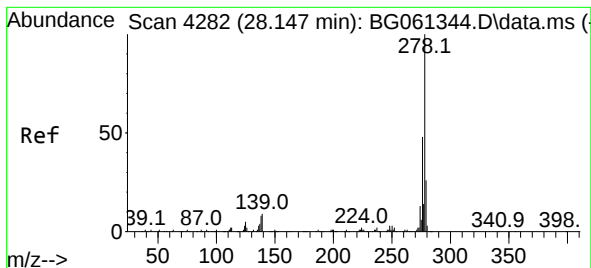


#94
Indeno(1,2,3-cd)pyrene
Concen: 8.424 ng/ul
RT: 28.094 min Scan# 4273
Delta R.T. -0.012 min
Lab File: BG061353.D
Acq: 30 May 2024 8:24



Tgt Ion:276 Resp: 125262
Ion Ratio Lower Upper
276 100
138 12.7 8.6 13.0
277 23.3 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 2.790 ng/ul m

RT: 28.141 min Scan# 441

Delta R.T. -0.018 min

Lab File: BG061353.D

Acq: 30 May 2024 8:24

Instrument :

BNA_G

ClientSampleId :

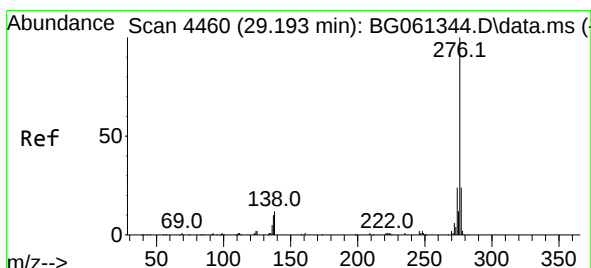
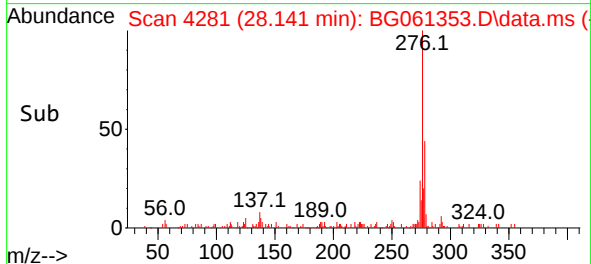
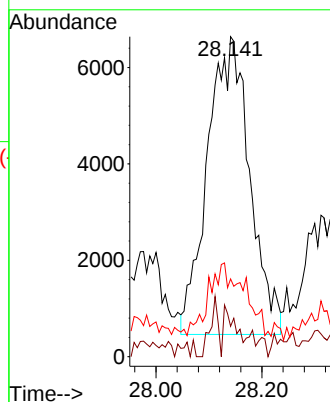
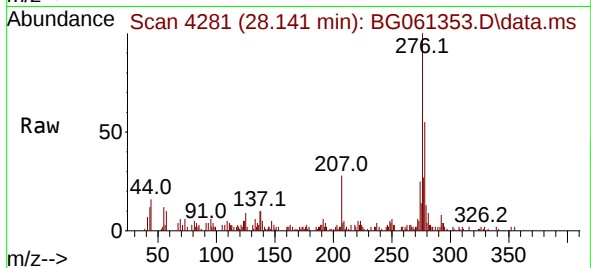
BH667

Tgt Ion:	278	Resp:	34208
Ion Ratio	Lower	Upper	
278	100		
139	9.5	6.4	9.6
279	24.3	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024



#96

Benzo(g,h,i)perylene

Concen: 9.761 ng/ul m

RT: 29.187 min Scan# 4459

Delta R.T. -0.006 min

Lab File: BG061353.D

Acq: 30 May 2024 8:24

Tgt Ion:	276	Resp:	115467
Ion Ratio	Lower	Upper	
276	100		
138	8.7	8.7	13.1
277	22.3	18.2	27.2

