

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052924\
 Data File : BG061348.D
 Acq On : 30 May 2024 4:59
 Operator : MA/JU
 Sample : P2571-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH658

Manual Integrations
 APPROVED

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

Quant Time: May 30 05:45:49 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	7.877	152	31035	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.673	136	133297	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.516	164	101672	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	221257	20.000	ng/u1	0.00
79) Chrysene-d12	21.514	240	228626	20.000	ng/u1	0.00
88) Perylene-d12	24.598	264	260780	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.341	96	2509	4.524	ng/uL	0.00
4) Pyridine-d5	3.746	84	9691	4.912	ng/u1	0.00
7) Phenol-d5	7.060	99	57795	22.677	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.213	67	36451	22.755	ng/u1	0.00
11) 2-Chlorophenol-d4	7.418	132	45995	24.385	ng/u1	0.00
15) 4-Methylphenol-d8	8.593	113	46543	21.417	ng/u1	-0.01
21) Nitrobenzene-d5	9.034	128	25557	24.902	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.757	143	28824	23.998	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.309	165	58974	25.185	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	41288	13.478	ng/u1	-0.01
46) Dimethylphthalate-d6	13.922	166	189476	24.028	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	211930	25.851	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.745	143	14258	14.625	ng/u1	0.00
60) Fluorene-d10	15.509	176	164579	24.174	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.644	200	22199	16.589	ng/u1	0.00
73) Anthracene-d10	17.360	188	251566	25.790	ng/u1	0.00
81) Pyrene-d10	19.651	212	307122	26.163	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.393	264	332271	26.503	ng/u1	0.00
Target Compounds					Qvalue	
72) Phenanthrene	17.307	178	149296	13.902	ng/u1	99
74) Anthracene	17.395	178	21977	1.979	ng/u1	97
77) Carbazole	17.665	167	13103	1.451	ng/u1	94
80) Fluoranthene	19.322	202	375513	26.665	ng/u1	99
82) Pyrene	19.686	202	340262	23.278	ng/u1	99
83) Butylbenzylphthalate	20.573	149	9191	1.830	ng/u1#	91
85) Benzo(a)anthracene	21.496	228	192510	12.203	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.408	149	40851	5.496	ng/u1#	95
87) Chrysene	21.561	228	221601	15.256	ng/u1	95
90) Benzo(b)fluoranthene	23.629	252	283976	18.290	ng/u1	100
91) Benzo(k)fluoranthene	23.687	252	114008m	7.233	ng/u1	
93) Benzo(a)pyrene	24.457	252	194179	13.170	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.094	276	137080m	7.688	ng/u1	
95) Dibenzo(a,h)anthracene	28.135	278	37887m	2.577	ng/u1	
96) Benzo(g,h,i)perylene	29.181	276	123920m	8.737	ng/u1	

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

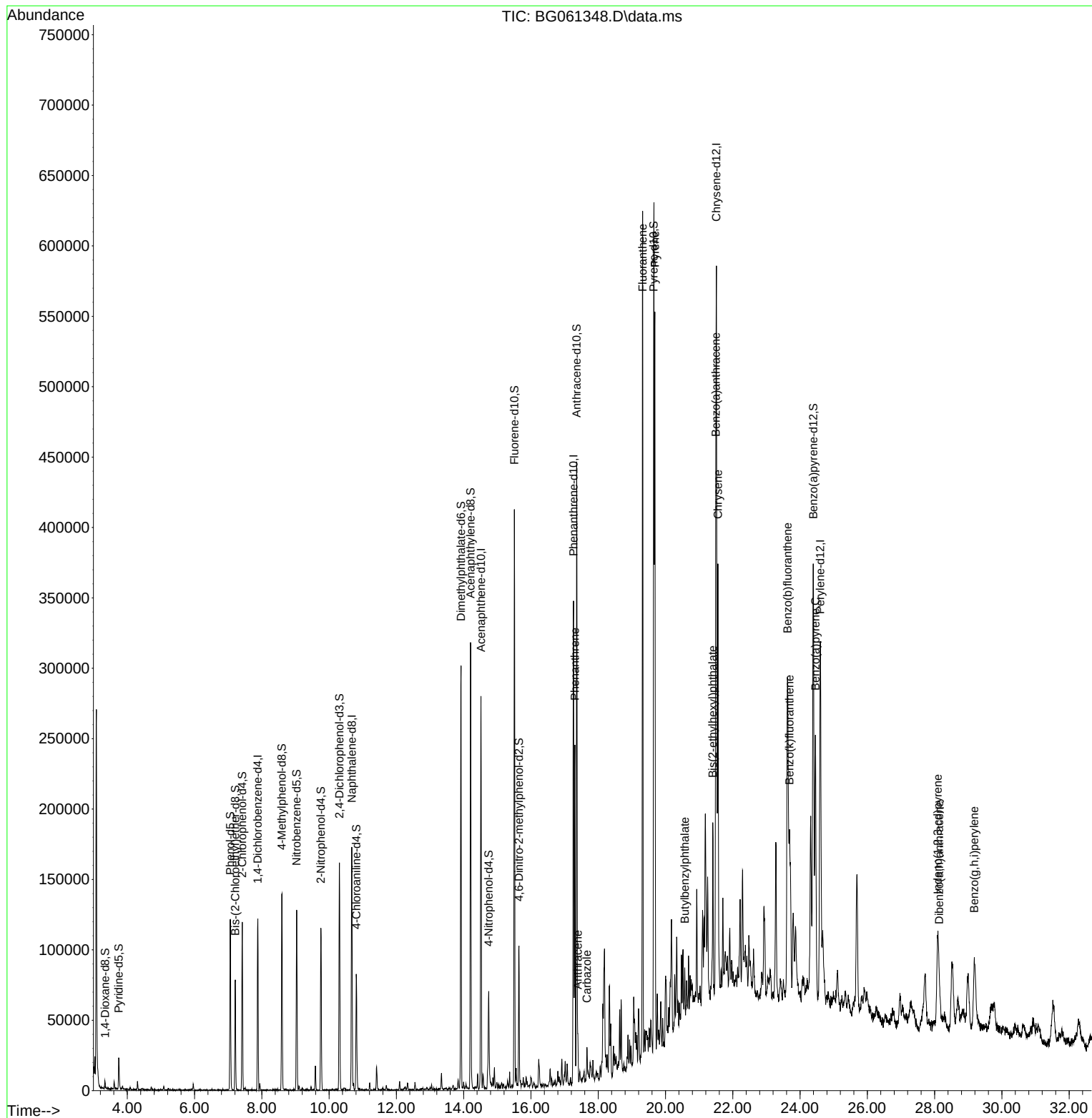
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052924\
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 ALS Vial : 21 Sample Multiplier: 1

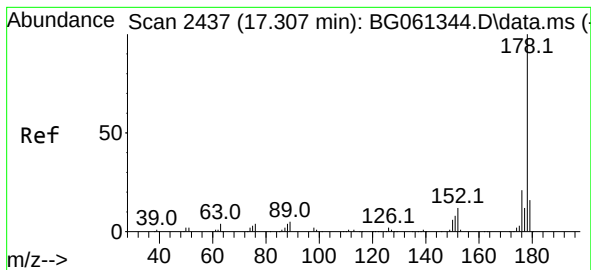
Instrument :
 BNA_G
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#72

Phenanthrene

Concen: 13.902 ng/ul

RT: 17.307 min Scan# 2437

Delta R.T. -0.006 min

Lab File: BG061348.D

Acq: 30 May 2024 4:59

Instrument :

BNA_G

ClientSampleId :

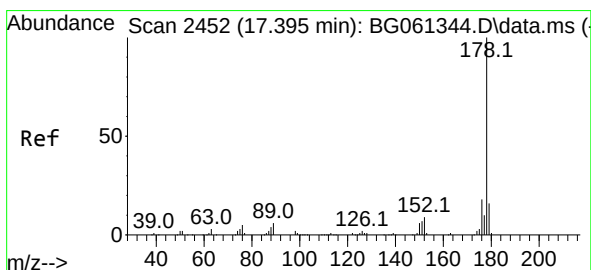
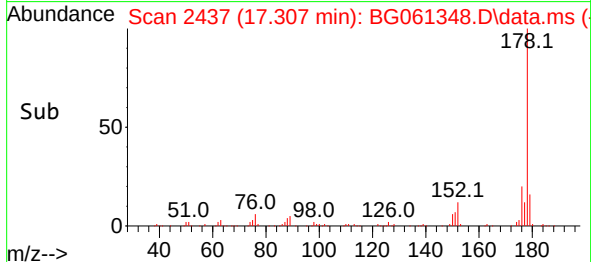
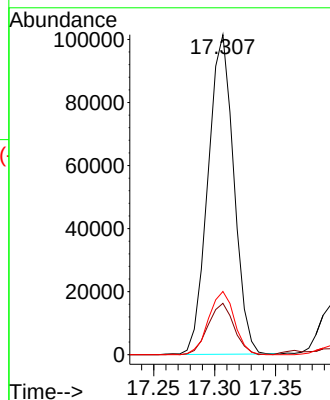
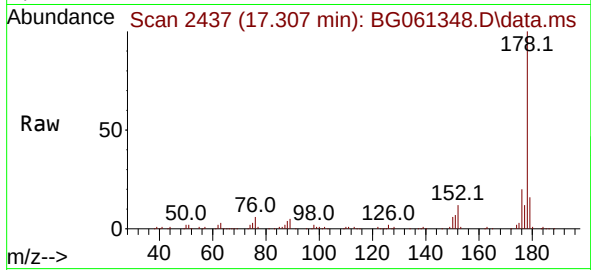
BH658

Tgt Ion:178	Resp:	149290
Ion Ratio	Lower	Upper
178	100	
179	16.1	12.7 19.1
176	19.8	15.5 23.3

Manual Integrations

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#74

Anthracene

Concen: 1.979 ng/ul

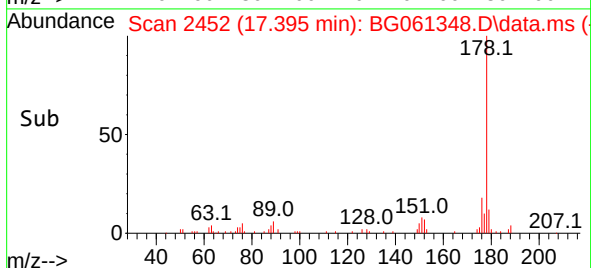
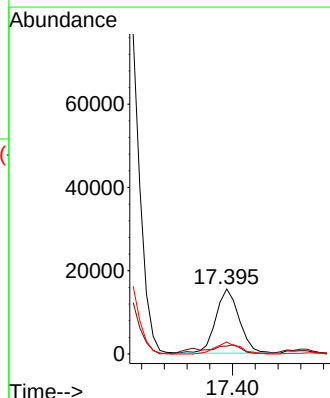
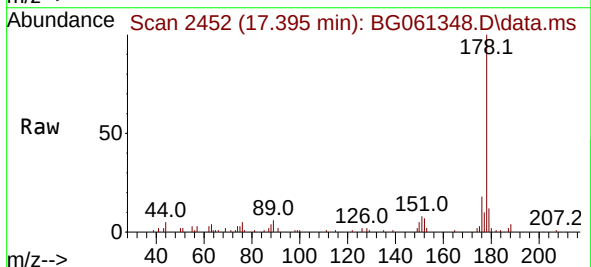
RT: 17.395 min Scan# 2452

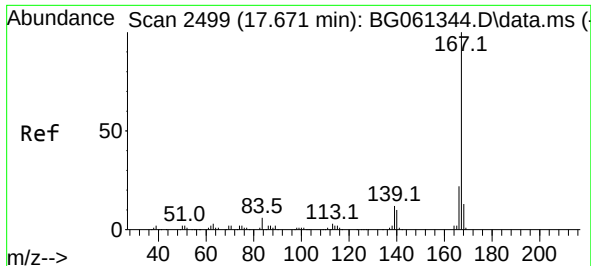
Delta R.T. -0.006 min

Lab File: BG061348.D

Acq: 30 May 2024 4:59

Tgt Ion:178	Resp:	21977
Ion Ratio	Lower	Upper
178	100	
179	12.1	11.8 17.6
176	18.4	14.9 22.3





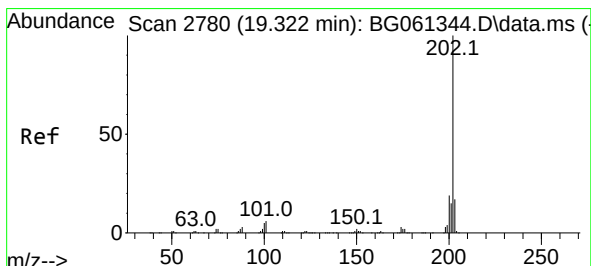
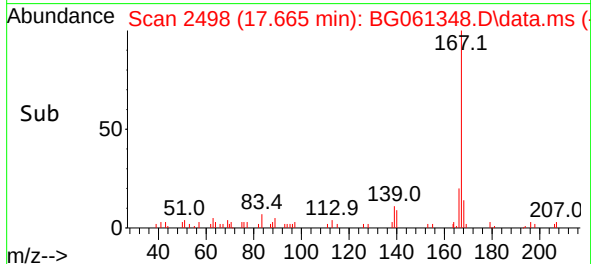
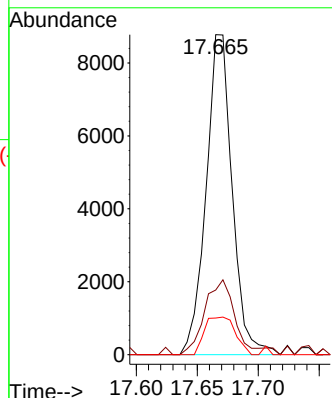
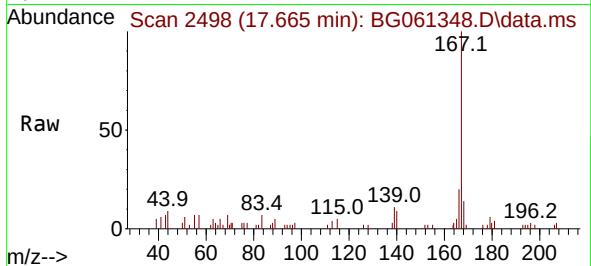
#77
 Carbazole
 Concen: 1.451 ng/ul
 RT: 17.665 min Scan# 2499
 Delta R.T. -0.012 min
 Lab File: BG061348.D
 Acq: 30 May 2024 4:59

Instrument :
 BNA_G
 ClientSampleId :
 BH658

Tgt Ion:167 Resp: 1310
 Ion Ratio Lower Upper
 167 100
 166 20.2 18.6 28.0
 139 11.5 10.6 15.8

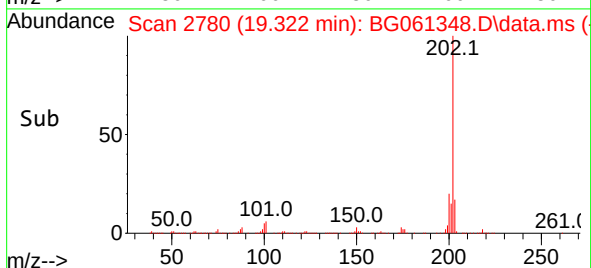
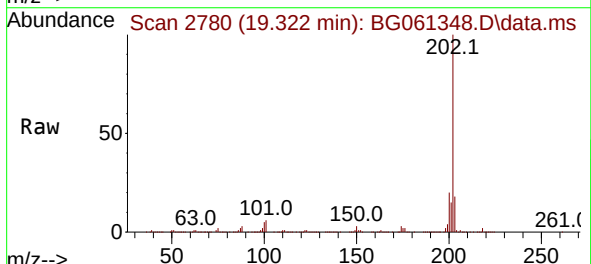
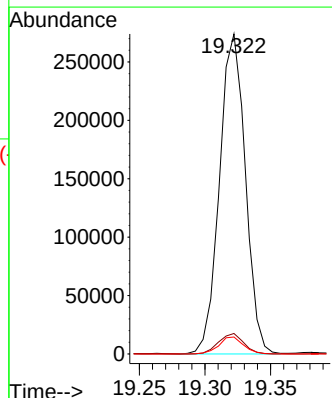
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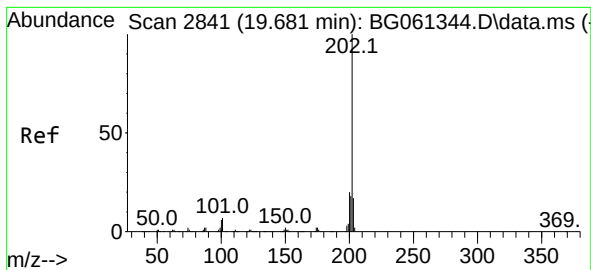
Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 06/01/2024



#80
 Fluoranthene
 Concen: 26.665 ng/ul
 RT: 19.322 min Scan# 2780
 Delta R.T. -0.006 min
 Lab File: BG061348.D
 Acq: 30 May 2024 4:59

Tgt Ion:202 Resp: 375513
 Ion Ratio Lower Upper
 202 100
 101 6.4 4.8 7.2
 100 5.3 4.1 6.1





#82

Pyrene

Concen: 23.278 ng/ul

RT: 19.686 min Scan# 2841

Delta R.T. -0.000 min

Lab File: BG061348.D

Acq: 30 May 2024 4:59

Instrument :

BNA_G

ClientSampleId :

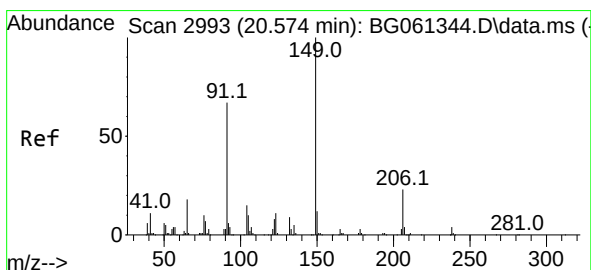
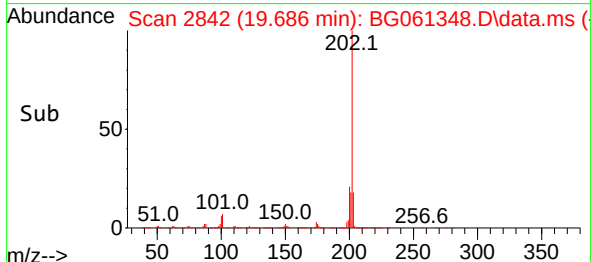
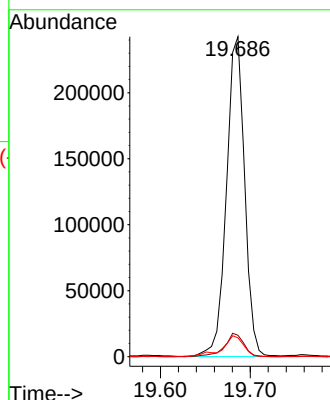
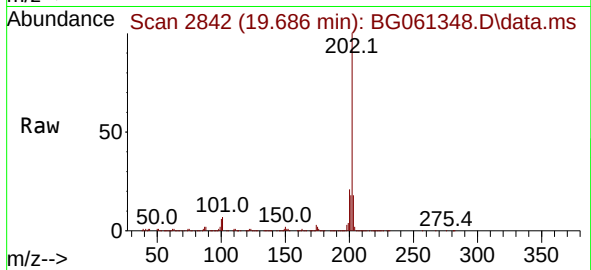
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Tgt Ion:	202	Resp:	34026
Ion Ratio	Lower	Upper	
202	100		
101	6.7	5.7	8.5
100	5.9	5.1	7.7

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Supervised By :mohammad ahmed 06/01/2024



#83

Butylbenzylphthalate

Concen: 1.830 ng/ul

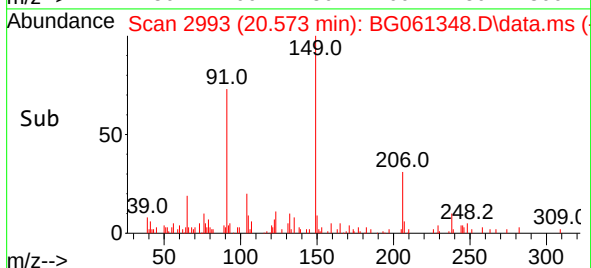
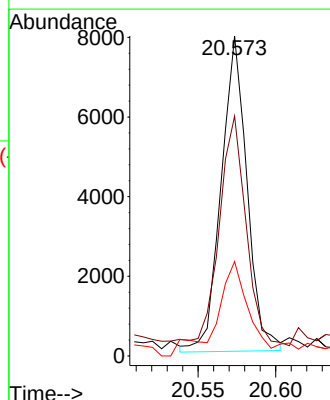
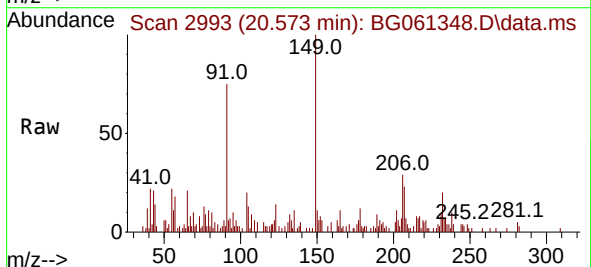
RT: 20.573 min Scan# 2993

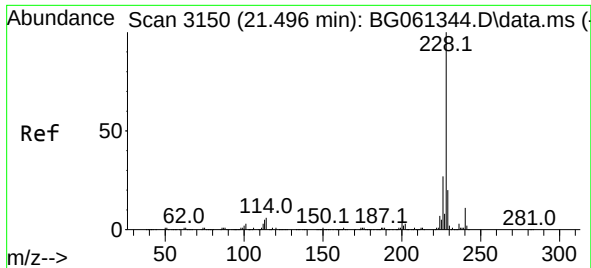
Delta R.T. -0.006 min

Lab File: BG061348.D

Acq: 30 May 2024 4:59

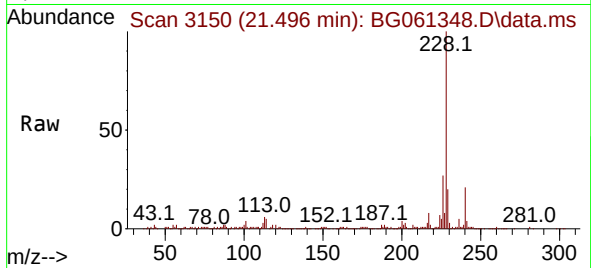
Tgt Ion:	149	Resp:	9191
Ion Ratio	Lower	Upper	
149	100		
91	74.9	54.8	82.2
206	29.5	19.4	29.0





#85
Benzo(a)anthracene
Concen: 12.203 ng/ul
RT: 21.496 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BG061348.D
Acq: 30 May 2024 4:59

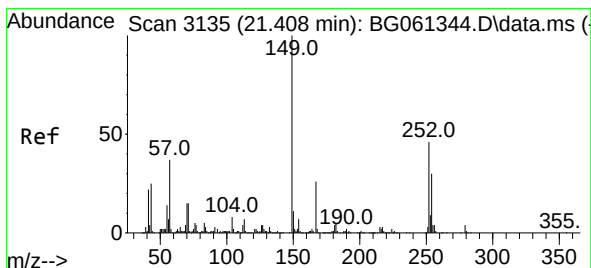
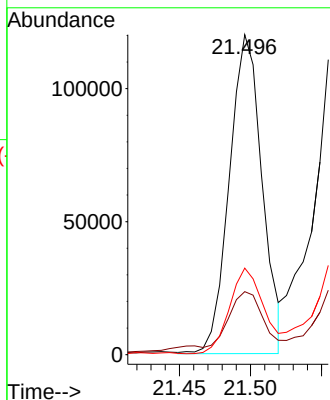
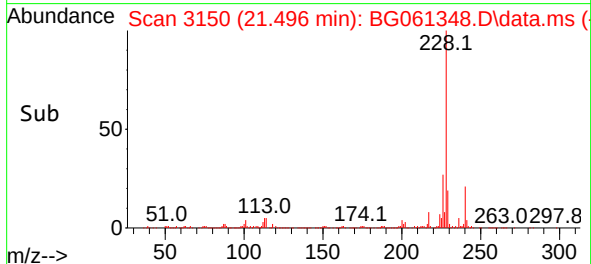
Instrument :
BNA_G
ClientSampleId :
BH658



Tgt Ion:228 Resp: 192510
Ion Ratio Lower Upper
228 100
229 19.7 15.2 22.8
226 27.1 21.4 32.2

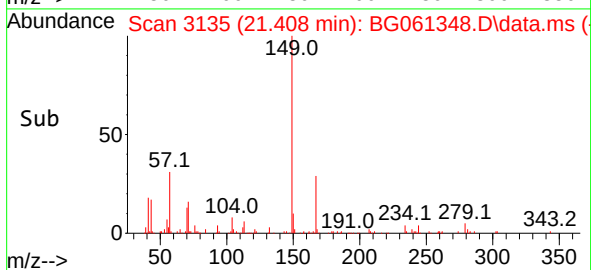
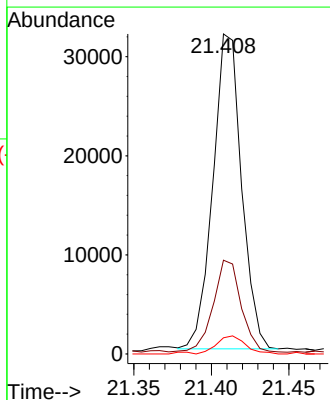
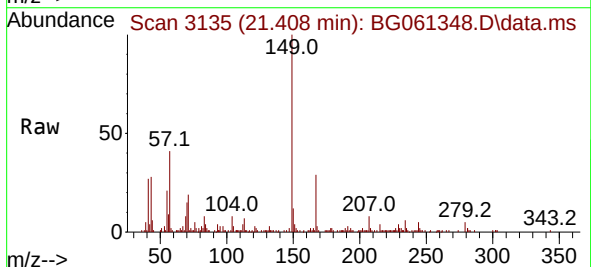
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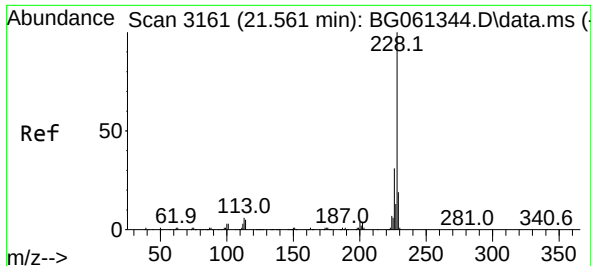
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 5.496 ng/ul
RT: 21.408 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BG061348.D
Acq: 30 May 2024 4:59

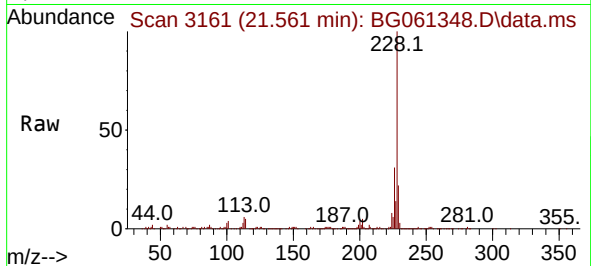
Tgt Ion:149 Resp: 40851
Ion Ratio Lower Upper
149 100
167 29.3 21.1 31.7
279 5.0 3.3 4.9#





#87
Chrysene
Concen: 15.256 ng/ul
RT: 21.561 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BG061348.D
Acq: 30 May 2024 4:59

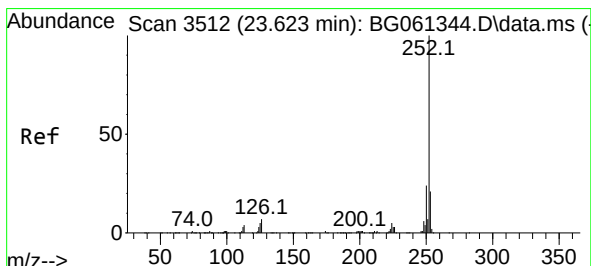
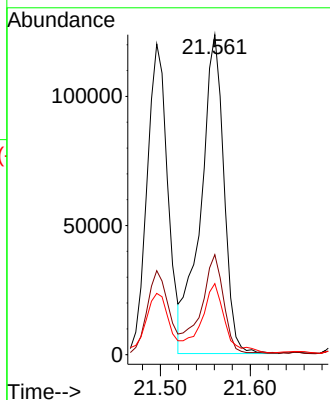
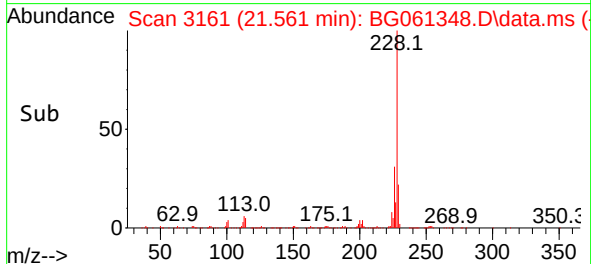
Instrument :
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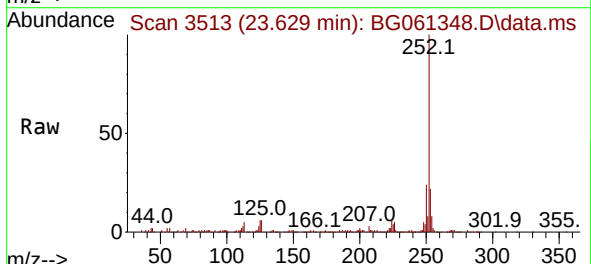
Tgt Ion:228 Resp: 221600
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.0
229 22.2 15.4 23.2

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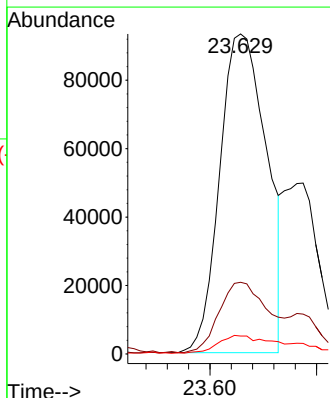
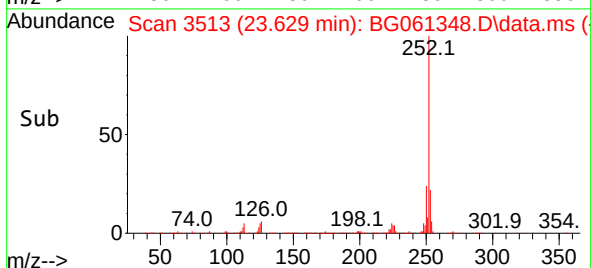
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024

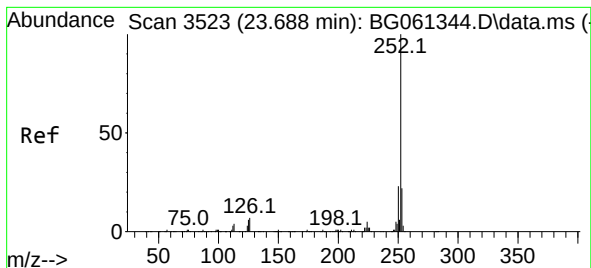


#90
Benzo(b)fluoranthene
Concen: 18.290 ng/ul
RT: 23.629 min Scan# 3513
Delta R.T. -0.000 min
Lab File: BG061348.D
Acq: 30 May 2024 4:59



Tgt Ion:252 Resp: 283976
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 5.6 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 7.233 ng/ul m

RT: 23.687 min Scan# 3

Delta R.T. -0.006 min

Lab File: BG061348.D

Acq: 30 May 2024 4:59

Instrument :

BNA_G

ClientSampleId :

BH658

Tgt Ion:252 Resp: 114008

Ion Ratio Lower Upper

252 100

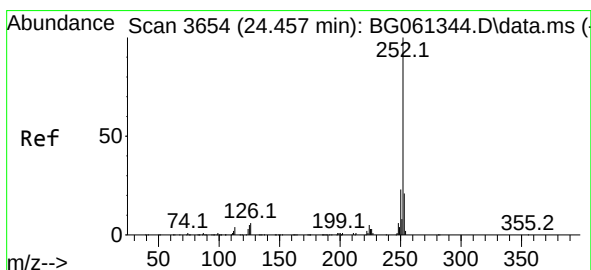
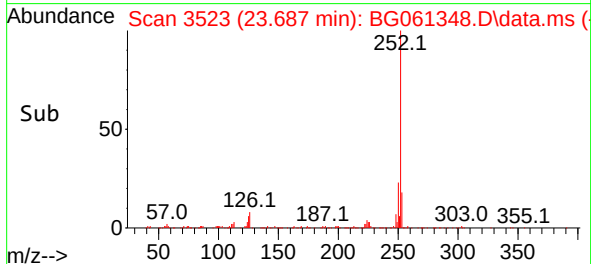
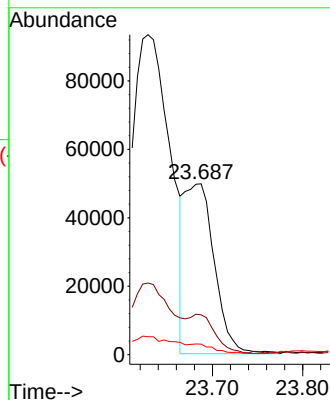
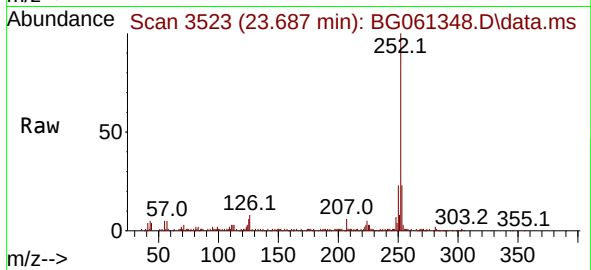
253 23.3 16.0 24.0

125 6.2 4.3 6.5

Manual Integrations

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#93

Benzo(a)pyrene

Concen: 13.170 ng/ul

RT: 24.457 min Scan# 3654

Delta R.T. -0.006 min

Lab File: BG061348.D

Acq: 30 May 2024 4:59

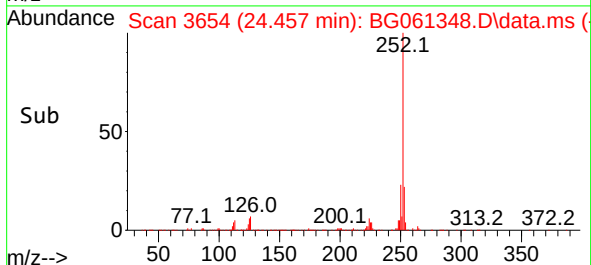
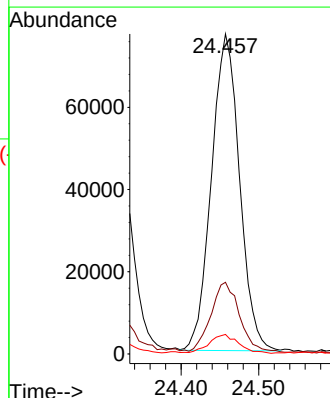
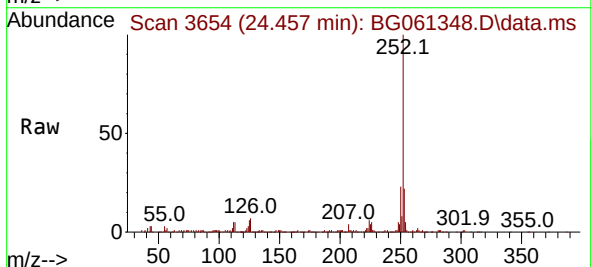
Tgt Ion:252 Resp: 194179

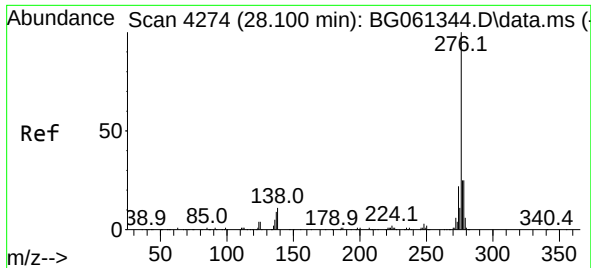
Ion Ratio Lower Upper

252 100

253 22.4 16.4 24.6

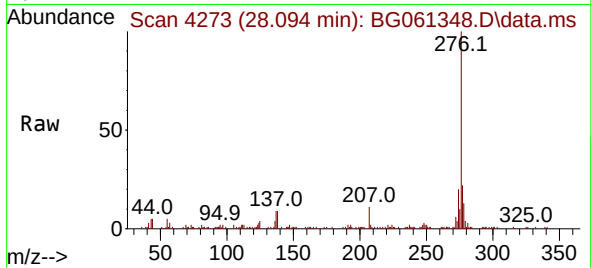
125 6.1 4.3 6.5





#94
Indeno(1,2,3-cd)pyrene
Concen: 7.688 ng/ul m
RT: 28.094 min Scan# 41
Delta R.T. -0.012 min
Lab File: BG061348.D
Acq: 30 May 2024 4:59

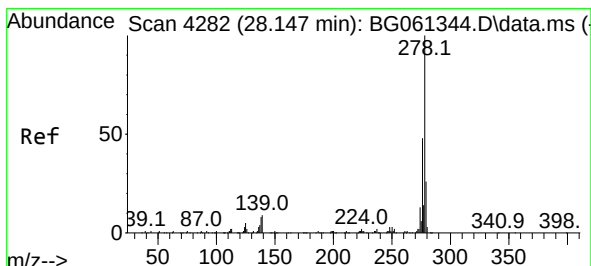
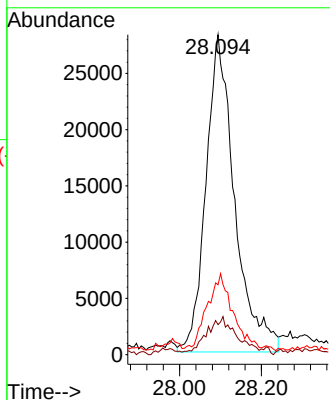
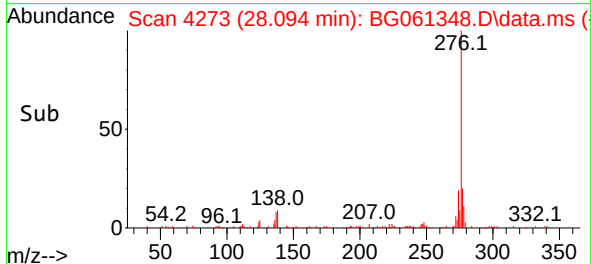
Instrument :
BNA_G
ClientSampleId :
BH658



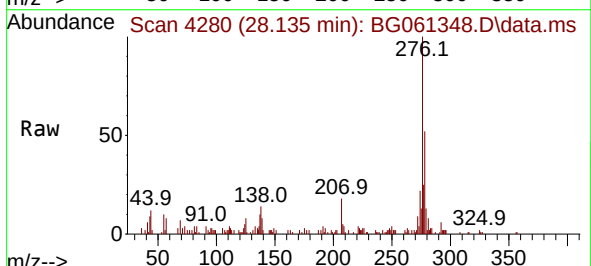
Tgt Ion:276 Resp: 137080
Ion Ratio Lower Upper
276 100
138 9.4 8.6 13.0
277 21.8 19.7 29.5

Manual Integrations
APPROVED

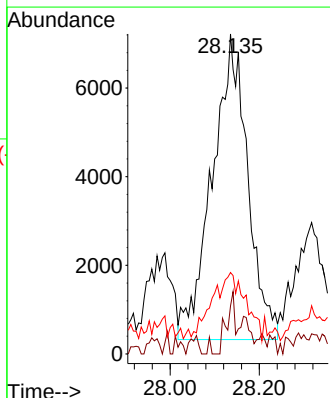
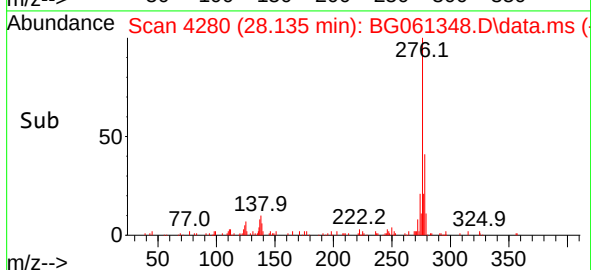
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 06/01/2024

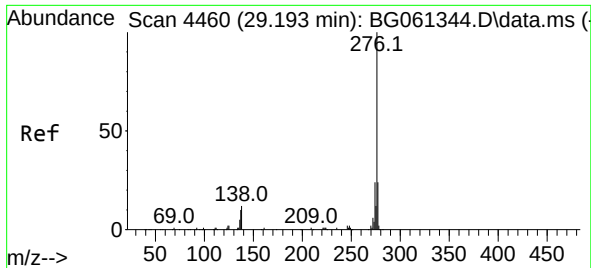


#95
Dibenzo(a,h)anthracene
Concen: 2.577 ng/ul m
RT: 28.135 min Scan# 4280
Delta R.T. -0.024 min
Lab File: BG061348.D
Acq: 30 May 2024 4:59



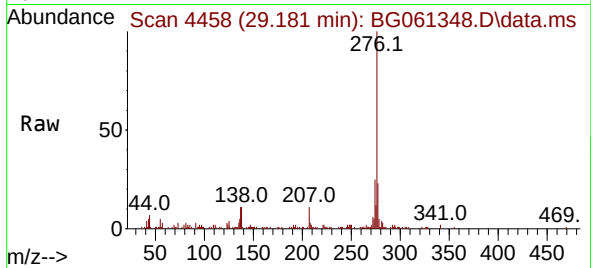
Tgt Ion:278 Resp: 37887
Ion Ratio Lower Upper
278 100
139 15.0 6.4 9.6#
279 25.5 19.9 29.9





#96
Benzo(g,h,i)perylene
Concen: 8.737 ng/ul m
RT: 29.181 min Scan# 44
Delta R.T. -0.012 min
Lab File: BG061348.D
Acq: 30 May 2024 4:59

Instrument :
BNA_G
ClientSampleId :
BH658



Tgt Ion:276 Resp: 123920
Ion Ratio Lower Upper
276 100
138 10.7 8.7 13.1
277 22.8 18.2 27.2

Manual Integrations
APPROVED

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

