

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061382.D
 Acq On : 31 May 2024 6:49
 Operator : MA/JU
 Sample : P2570-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6B9

Quant Time: May 31 07:28:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

05/31/2024
 Supervised By :mohammad
 ahmed

06/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	28298	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	112626	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	82289	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.260	188	187023	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.513	240	195809	20.000	ng/u1	0.00
88) Perylene-d12	24.598	264	222387	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	2481	4.906	ng/uL	0.00
4) Pyridine-d5	3.746	84	10299	5.725	ng/u1	0.00
7) Phenol-d5	7.060	99	60161	25.889	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.207	67	39836	27.273	ng/u1	0.00
11) 2-Chlorophenol-d4	7.412	132	51609	30.008	ng/u1	0.00
15) 4-Methylphenol-d8	8.593	113	49072	24.765	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	26887	31.007	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	29911	29.473	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.303	165	60382	30.519	ng/u1	0.00
31) 4-Chloroaniline-d4	10.802	131	55823	21.567	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	196832	30.841	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	221721	33.416	ng/u1	0.00
54) 4-Nitrophenol-d4	14.751	143	14321m	18.150	ng/u1	0.01
60) Fluorene-d10	15.503	176	178553	32.405	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.644	200	24501	21.660	ng/u1	0.00
73) Anthracene-d10	17.359	188	286891	34.795	ng/u1	0.00
81) Pyrene-d10	19.651	212	350746	34.887	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.386	264	379494	35.495	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.301	178	72122	7.945	ng/u1	100
77) Carbazole	17.659	167	7991	1.047	ng/u1	94
78) Di-n-butylphthalate	18.223	149	27525	2.878	ng/u1#	97
80) Fluoranthene	19.316	202	210506	17.453	ng/u1	99
82) Pyrene	19.680	202	191571	15.302	ng/u1	98
83) Butylbenzylphthalate	20.567	149	46610	10.838	ng/u1	96
85) Benzo(a)anthracene	21.490	228	111892	8.282	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.408	149	65823	10.340	ng/u1#	99
87) Chrysene	21.554	228	119915	9.639	ng/u1	99
90) Benzo(b)fluoranthene	23.623	252	159554	12.050	ng/u1	98
91) Benzo(k)fluoranthene	23.681	252	52699m	3.921	ng/u1	
93) Benzo(a)pyrene	24.451	252	108203	8.606	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.094	276	74420m	4.895	ng/u1	
95) Dibenzo(a,h)anthracene	28.135	278	20727m	1.653	ng/u1	
96) Benzo(g,h,i)perylene	29.169	276	70892m	5.861	ng/u1	

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

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 Acq On : 31 May 2024 6:49
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 Sample : P2570-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

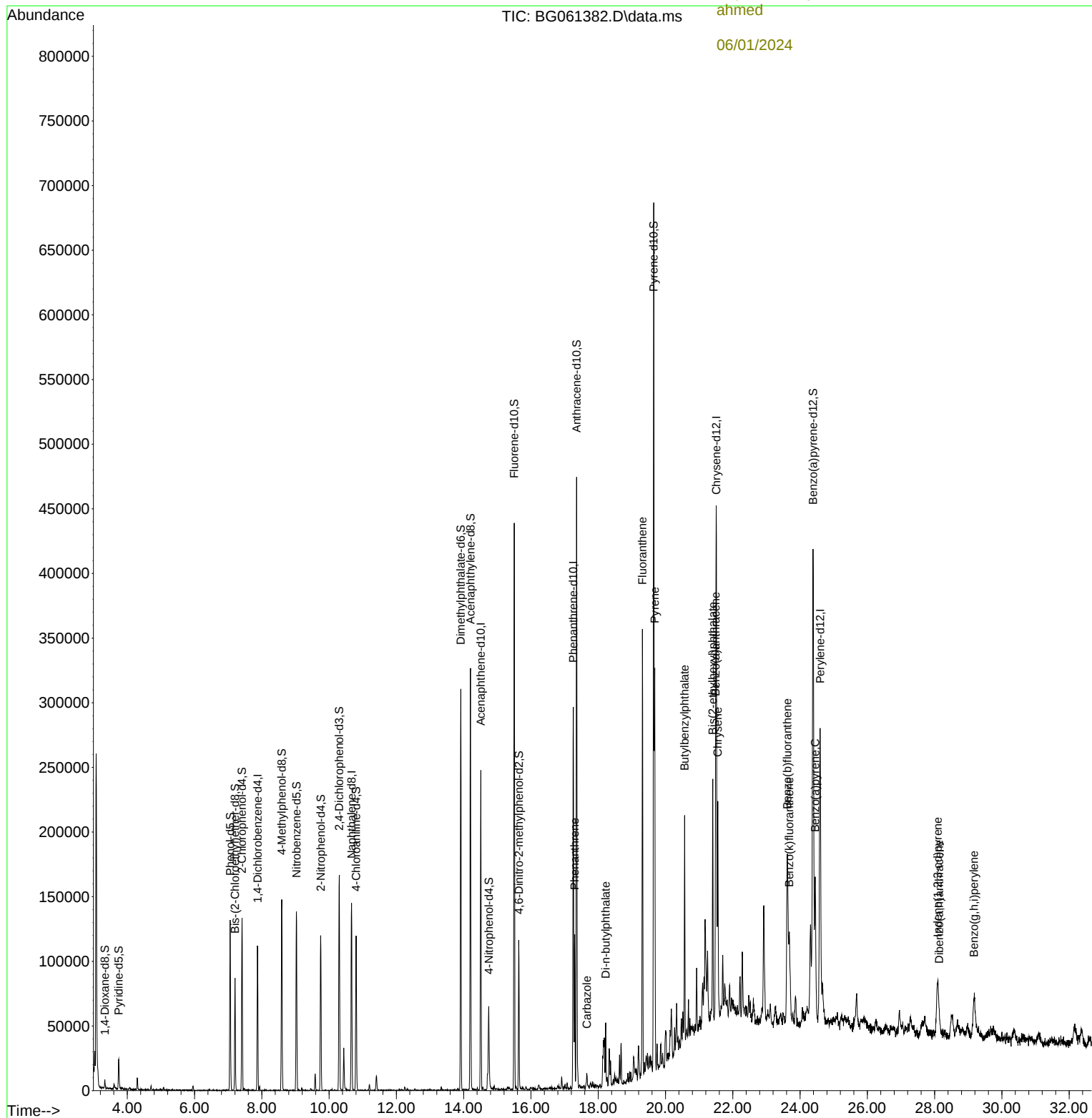
Instrument :
 BNA_G
 ClientSampleId :
 BH6B9

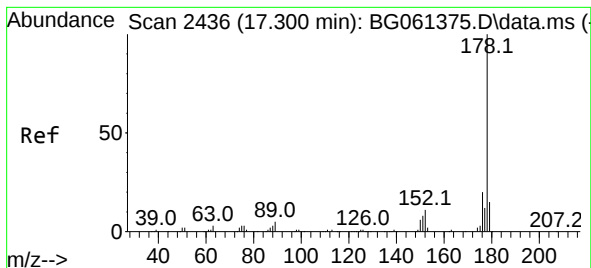
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#72

Phenanthrene

Concen: 7.945 ng/ul

RT: 17.301 min Scan# 2436

Delta R.T. 0.001 min

Lab File: BG061382.D

Acq: 31 May 2024 6:49

Instrument :

BNA_G

ClientSampleId :

BH6B9

Tgt Ion:178	Resp:	7212
Ion Ratio	Lower	Upper
178	100	
179	15.7	12.7 19.1
176	19.4	15.5 23.3

Manual Integrations

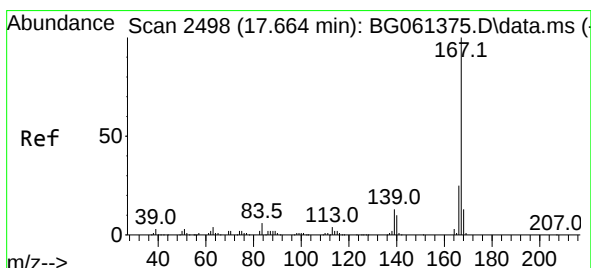
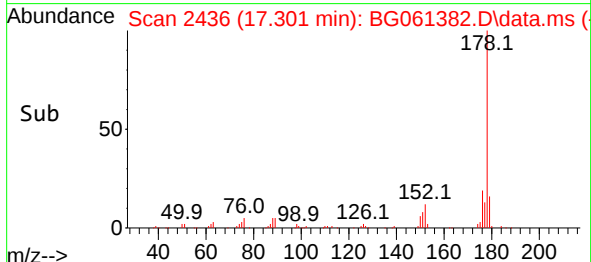
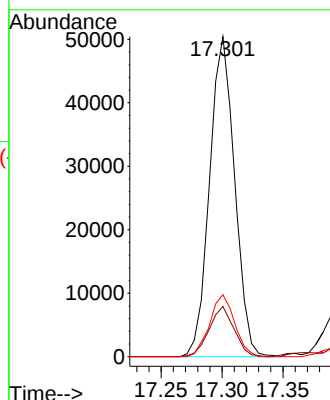
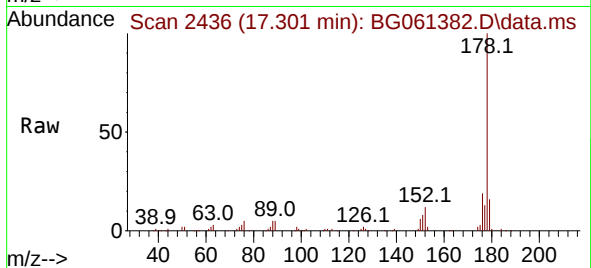
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#77

Carbazole

Concen: 1.047 ng/ul

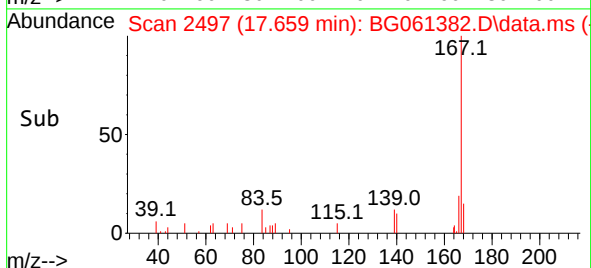
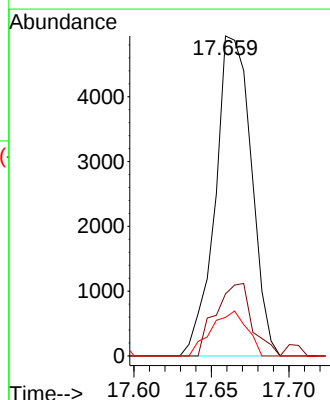
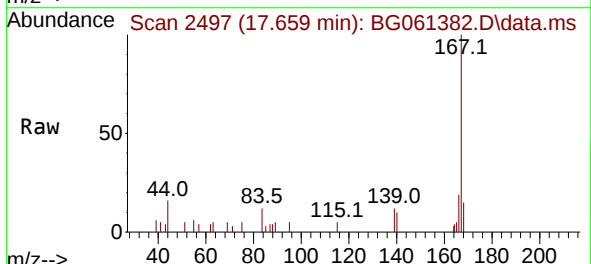
RT: 17.659 min Scan# 2497

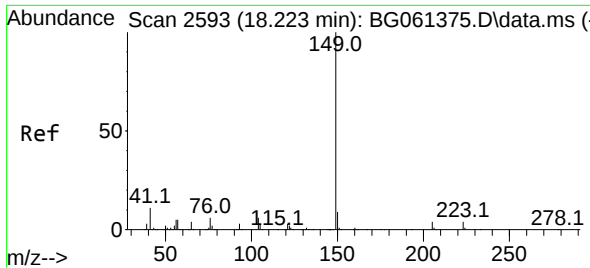
Delta R.T. -0.005 min

Lab File: BG061382.D

Acq: 31 May 2024 6:49

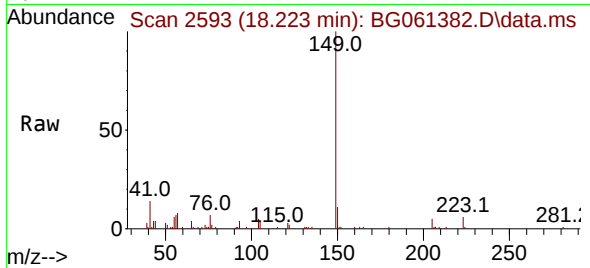
Tgt Ion:167	Resp:	7991
Ion Ratio	Lower	Upper
167	100	
166	19.4	18.6 28.0
139	12.1	10.6 15.8





#78
Di-n-butylphthalate
Concen: 2.878 ng/ul
RT: 18.223 min Scan# 2593
Delta R.T. 0.001 min
Lab File: BG061382.D
Acq: 31 May 2024 6:49

Instrument :
BNA_G
ClientSampleId :
BH6B9



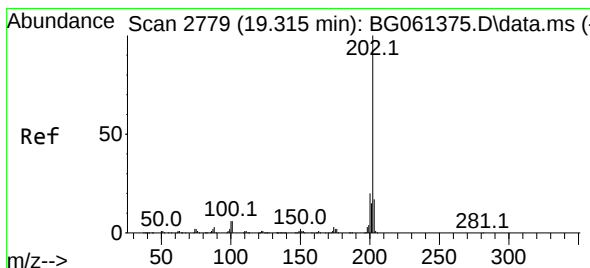
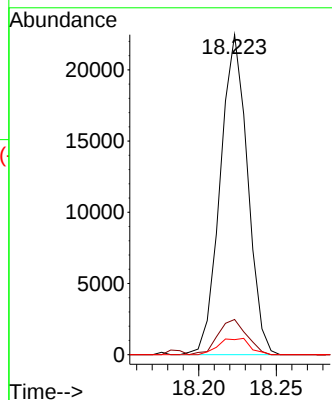
Tgt Ion:149 Resp: 2752
Ion Ratio Lower Upper
149 100
150 11.0 7.8 11.8
104 4.7 4.8 7.2

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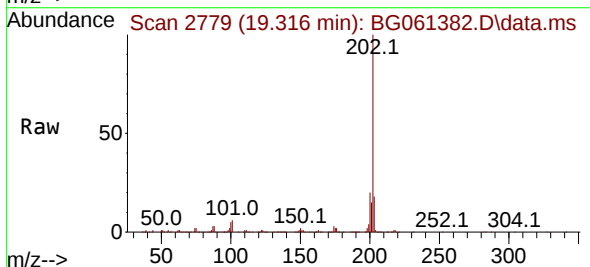
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

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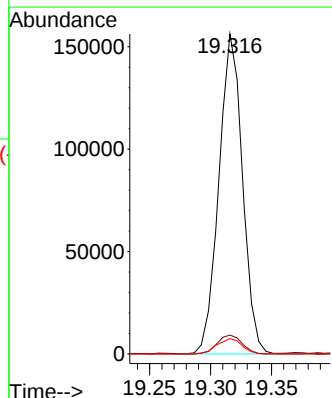
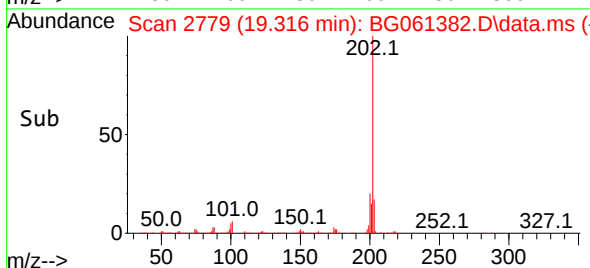
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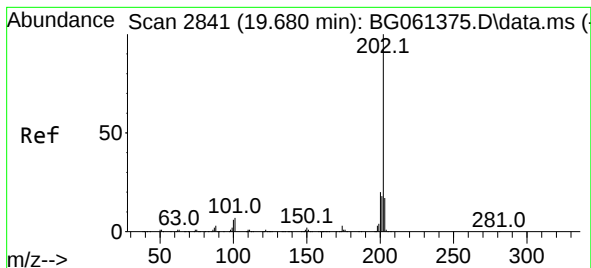


#80
Fluoranthene
Concen: 17.453 ng/ul
RT: 19.316 min Scan# 2779
Delta R.T. 0.001 min
Lab File: BG061382.D
Acq: 31 May 2024 6:49



Tgt Ion:202 Resp: 210506
Ion Ratio Lower Upper
202 100
101 5.9 4.8 7.2
100 4.8 4.1 6.1





#82

Pyrene

Concen: 15.302 ng/ul

RT: 19.680 min Scan# 2841

Delta R.T. 0.001 min

Lab File: BG061382.D

Acq: 31 May 2024 6:49

Instrument :

BNA_G

ClientSampleId :

BH6B9

Tgt Ion:	202	Resp:	19157
Ion Ratio	Lower	Upper	
202	100		
101	6.6	5.7	8.5
100	5.6	5.1	7.7

Manual Integrations

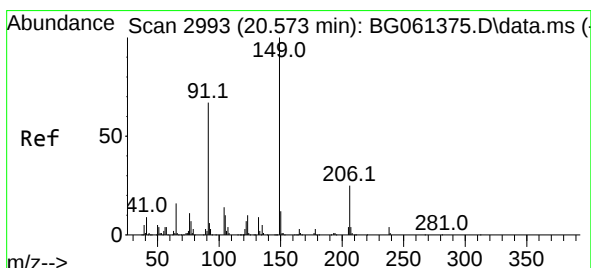
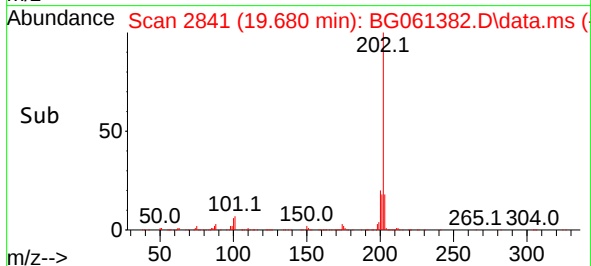
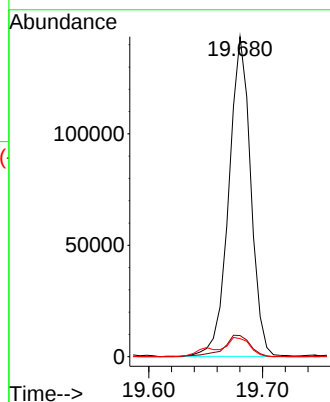
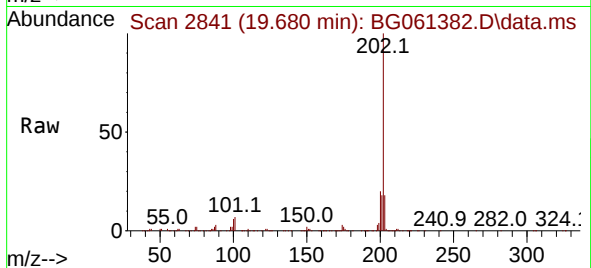
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#83

Butylbenzylphthalate

Concen: 10.838 ng/ul

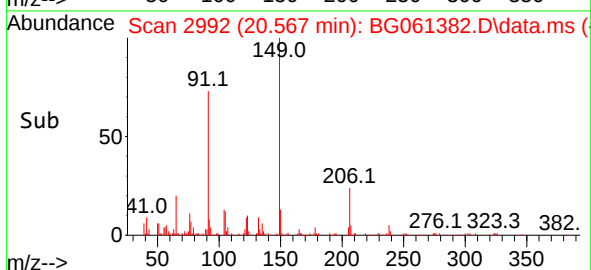
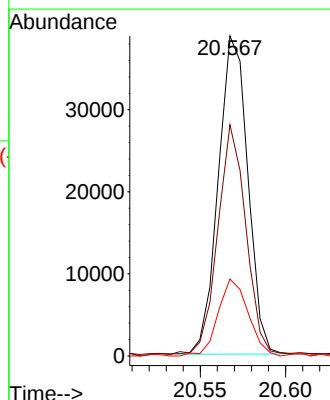
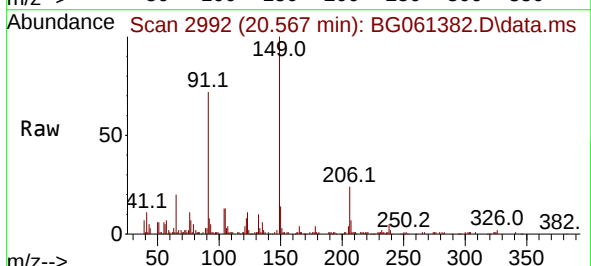
RT: 20.567 min Scan# 2992

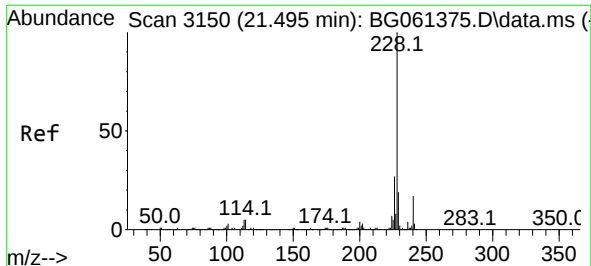
Delta R.T. -0.005 min

Lab File: BG061382.D

Acq: 31 May 2024 6:49

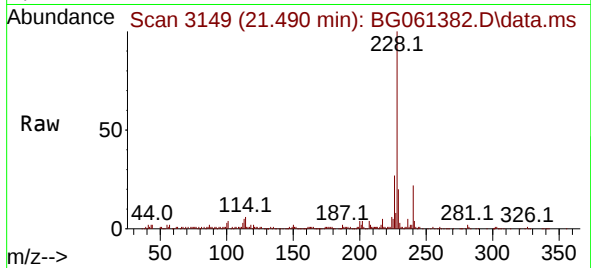
Tgt Ion:	149	Resp:	46610
Ion Ratio	Lower	Upper	
149	100		
91	72.3	54.8	82.2
206	24.0	19.4	29.0





#85
Benzo(a)anthracene
Concen: 8.282 ng/ul
RT: 21.490 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BG061382.D
Acq: 31 May 2024 6:49

Instrument :
BNA_G
ClientSampleId :
BH6B9



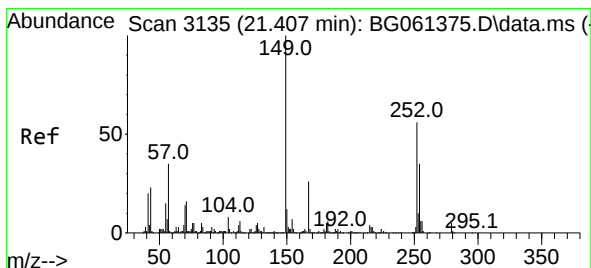
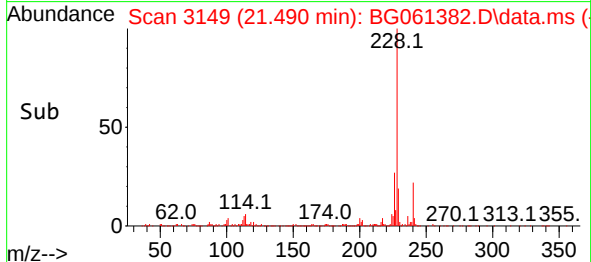
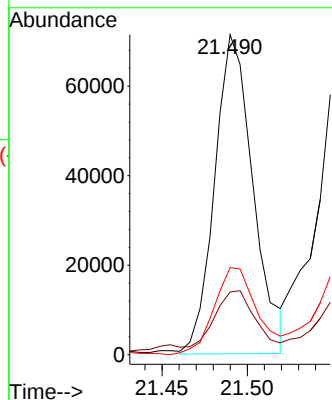
Tgt Ion:228 Resp: 111892
Ion Ratio Lower Upper
228 100
229 19.6 15.2 22.8
226 27.2 21.4 32.2

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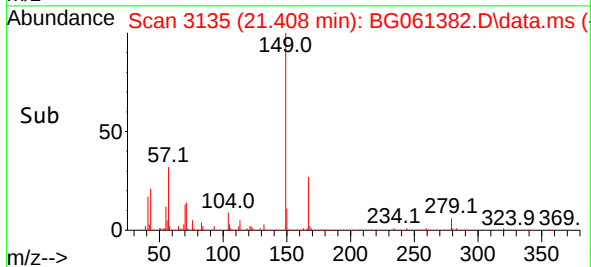
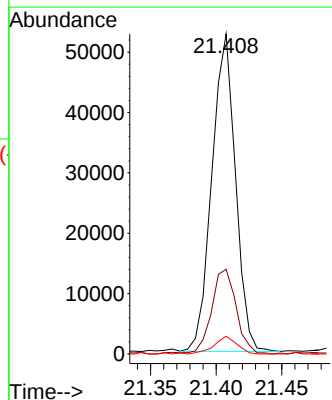
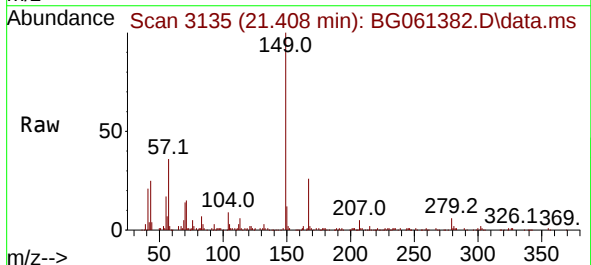
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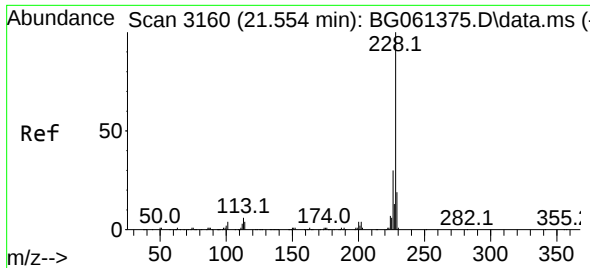
06/01/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 10.340 ng/ul
RT: 21.408 min Scan# 3135
Delta R.T. 0.001 min
Lab File: BG061382.D
Acq: 31 May 2024 6:49

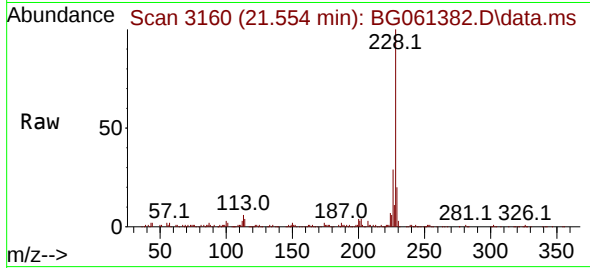
Tgt Ion:149 Resp: 65823
Ion Ratio Lower Upper
149 100
167 26.5 21.1 31.7
279 5.6 3.3 4.9#





#87
Chrysene
Concen: 9.639 ng/u1
RT: 21.554 min Scan# 3160
Delta R.T. 0.001 min
Lab File: BG061382.D
Acq: 31 May 2024 6:49

Instrument :
BNA_G
ClientSampleId :
BH6B9



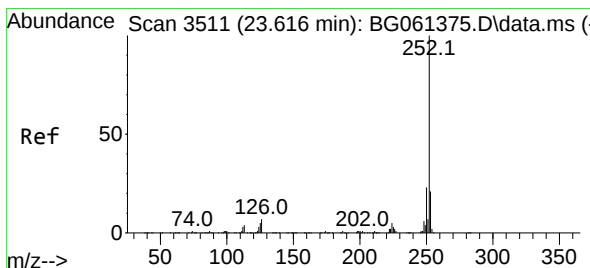
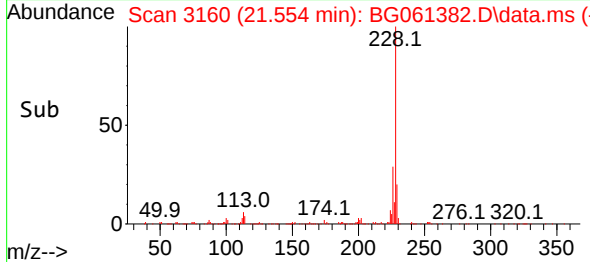
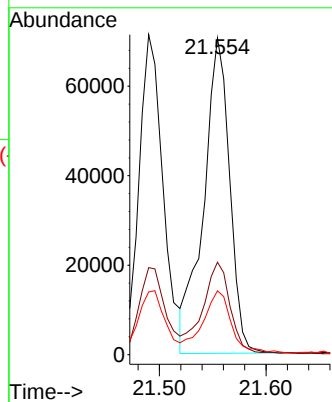
Tgt Ion:228 Resp: 119915
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.0
229 20.1 15.4 23.2

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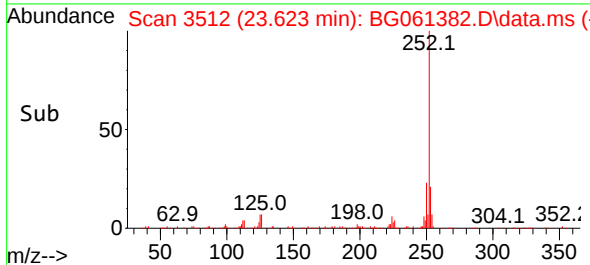
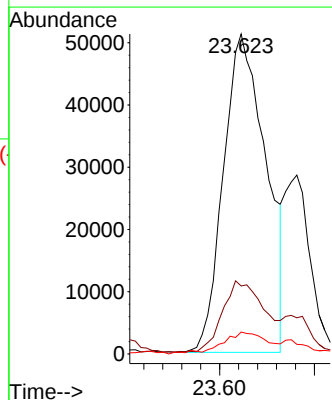
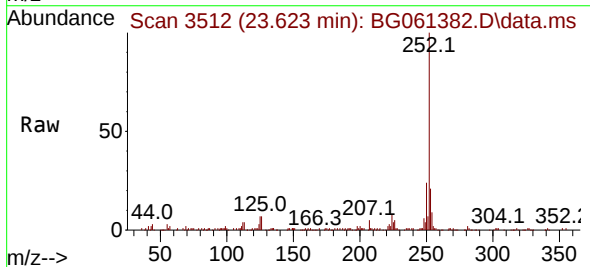
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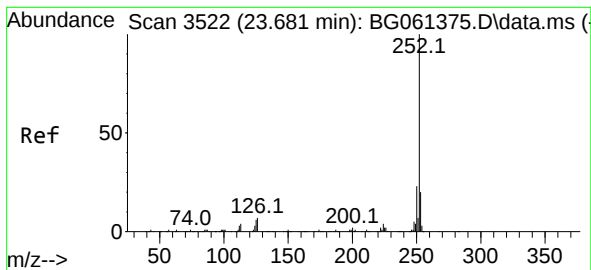
06/01/2024



#90
Benzo(b)fluoranthene
Concen: 12.050 ng/u1
RT: 23.623 min Scan# 3512
Delta R.T. 0.007 min
Lab File: BG061382.D
Acq: 31 May 2024 6:49

Tgt Ion:252 Resp: 159554
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.8
125 6.8 4.6 6.8





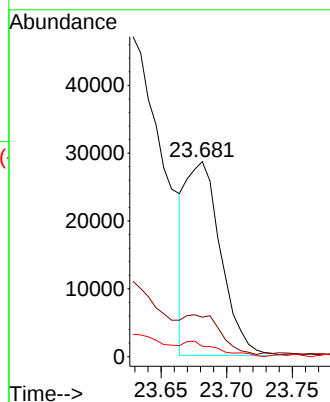
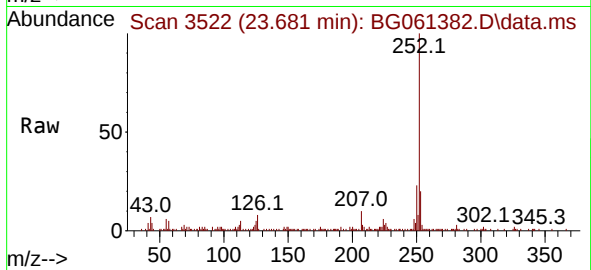
#91
Benzo(k)fluoranthene
Concen: 3.921 ng/ul m
RT: 23.681 min Scan# 3522
Delta R.T. 0.001 min
Lab File: BG061382.D
Acq: 31 May 2024 6:49

Instrument :
BNA_G
ClientSampleId :
BH6B9

Tgt Ion:252 Resp: 52699
Ion Ratio Lower Upper
252 100
253 20.3 16.0 24.0
125 5.3 4.3 6.5

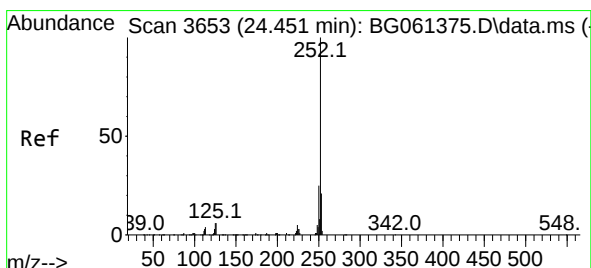
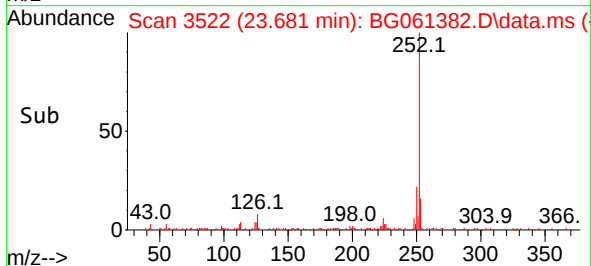
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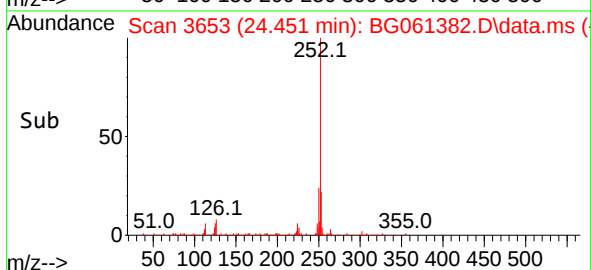
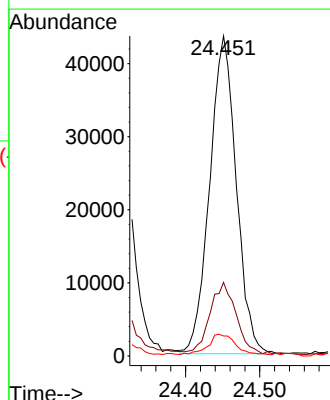
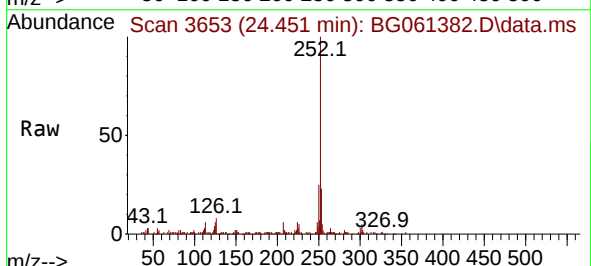
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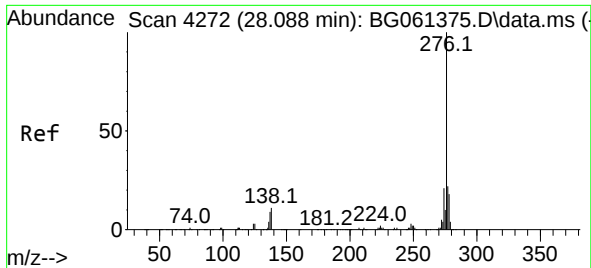
06/01/2024



#93
Benzo(a)pyrene
Concen: 8.606 ng/ul
RT: 24.451 min Scan# 3653
Delta R.T. 0.001 min
Lab File: BG061382.D
Acq: 31 May 2024 6:49

Tgt Ion:252 Resp: 108203
Ion Ratio Lower Upper
252 100
253 23.0 16.4 24.6
125 6.2 4.3 6.5





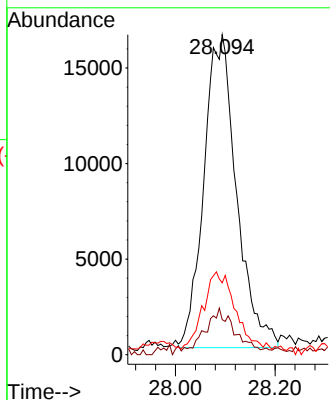
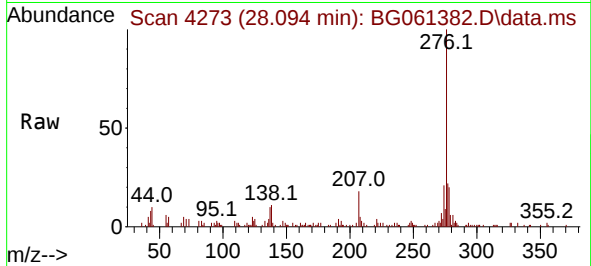
#94
 Indeno(1,2,3-cd)pyrene
 Concen: 4.895 ng/ul m
 RT: 28.094 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: BG061382.D
 Acq: 31 May 2024 6:49

Instrument :
 BNA_G
 ClientSampleId :
 BH6B9

Tgt Ion:276 Resp: 74420
 Ion Ratio Lower Upper
 276 100
 138 10.9 8.6 13.0
 277 22.5 19.7 29.5

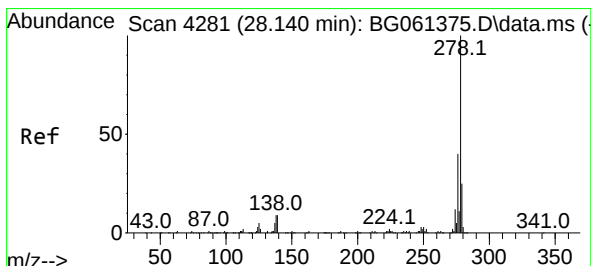
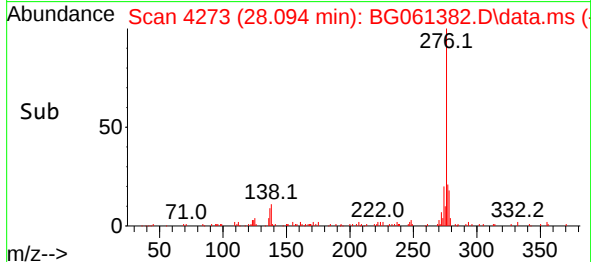
Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024



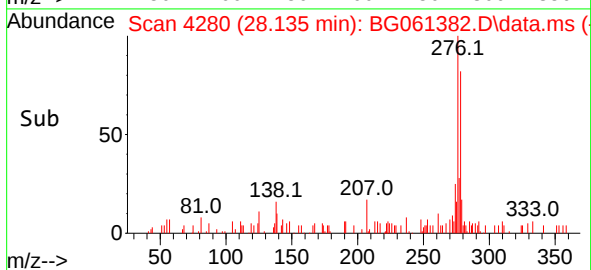
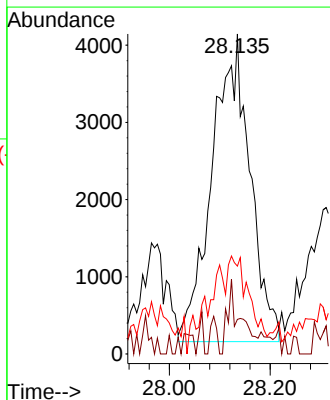
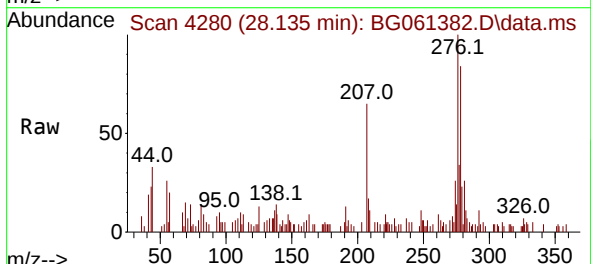
05/31/2024
 Supervised By :mohammad
 ahmed

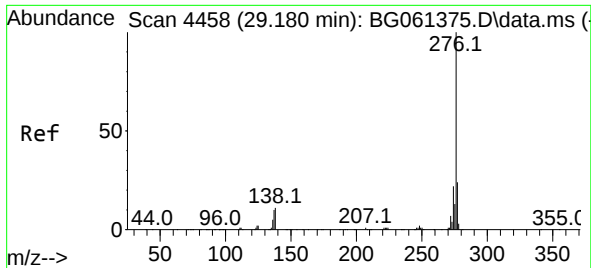
06/01/2024



#95
 Dibenzo(a,h)anthracene
 Concen: 1.653 ng/ul m
 RT: 28.135 min Scan# 4280
 Delta R.T. -0.005 min
 Lab File: BG061382.D
 Acq: 31 May 2024 6:49

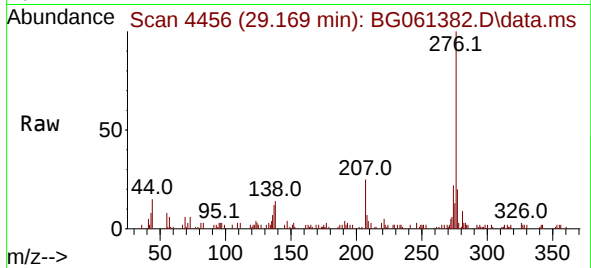
Tgt Ion:278 Resp: 20727
 Ion Ratio Lower Upper
 278 100
 139 10.8 6.4 9.6#
 279 27.4 19.9 29.9





#96
 Benzo(g,h,i)perylene
 Concen: 5.861 ng/ul m
 RT: 29.169 min Scan# 44
 Delta R.T. -0.005 min
 Lab File: BG061382.D
 Acq: 31 May 2024 6:49

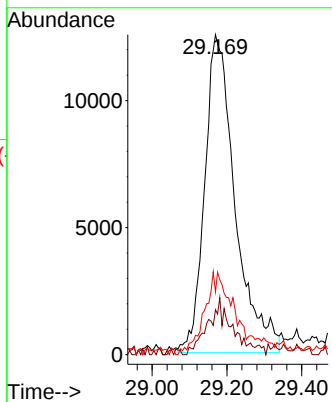
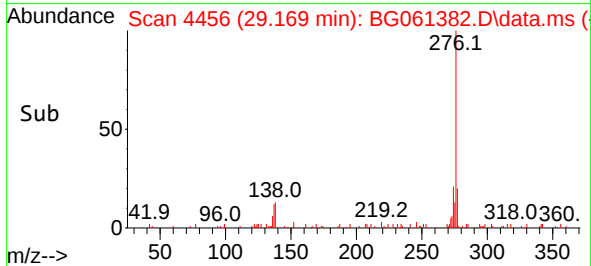
Instrument :
 BNA_G
 ClientSampleId :
 BH6B9



Tgt Ion:276 Resp: 70892
 Ion Ratio Lower Upper
 276 100
 138 14.1 8.7 13.1
 277 19.6 18.2 27.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024



05/31/2024
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 ahmed
 06/01/2024