

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061378.D
 Acq On : 31 May 2024 4:06
 Operator : MA/JU
 Sample : P2570-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6B3

Manual Integrations
 APPROVED

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

Quant Time: May 31 04:46:02 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.872	152	32538	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	126331	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.506	164	90594	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.256	188	198197	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.509	240	210609	20.000	ng/u1	0.00
88) Perylene-d12	24.594	264	234990	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	2311	3.975	ng/uL	0.00
4) Pyridine-d5	3.748	84	39953	19.315	ng/u1	0.00
7) Phenol-d5	7.062	99	64100	23.989	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.203	67	39114	23.289	ng/u1	0.00
11) 2-Chlorophenol-d4	7.414	132	50543	25.559	ng/u1	0.00
15) 4-Methylphenol-d8	8.589	113	49441	21.700	ng/u1	0.00
21) Nitrobenzene-d5	9.030	128	26049	26.781	ng/u1	0.00
24) 2-Nitrophenol-d4	9.753	143	30563	26.849	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.299	165	61388	27.662	ng/u1	0.00
31) 4-Chloroaniline-d4	10.804	131	52541	18.097	ng/u1	0.00
46) Dimethylphthalate-d6	13.912	166	199757	28.430	ng/u1	0.00
49) Acenaphthylene-d8	14.200	160	221311	30.297	ng/u1	0.00
54) 4-Nitrophenol-d4	14.741	143	22734m	26.171	ng/u1	0.00
60) Fluorene-d10	15.505	176	174690	28.797	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.640	200	30065m	25.081	ng/u1	0.00
73) Anthracene-d10	17.355	188	280751	32.130	ng/u1	0.00
81) Pyrene-d10	19.653	212	337101	31.173	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.383	264	363966	32.217	ng/u1	0.00
Target Compounds					Qvalue	
52) Acenaphthene	14.570	153	6239	1.174	ng/u1#	84
72) Phenanthrene	17.297	178	153915	16.000	ng/u1	99
74) Anthracene	17.391	178	18518	1.862	ng/u1	94
77) Carbazole	17.661	167	15100	1.866	ng/u1#	95
80) Fluoranthene	19.318	202	324567	25.019	ng/u1	99
82) Pyrene	19.682	202	289659	21.511	ng/u1	99
83) Butylbenzylphthalate	20.569	149	8871	1.918	ng/u1	100
85) Benzo(a)anthracene	21.492	228	167011	11.493	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.404	149	58649	8.565	ng/u1	99
87) Chrysene	21.556	228	184252m	13.770	ng/u1	
90) Benzo(b)fluoranthene	23.619	252	260002	18.583	ng/u1	98
91) Benzo(k)fluoranthene	23.677	252	77925	5.486	ng/u1	94
93) Benzo(a)pyrene	24.447	252	172062	12.951	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	28.084	276	122247	7.609	ng/u1	95
95) Dibenzo(a,h)anthracene	28.125	278	32628m	2.463	ng/u1	
96) Benzo(g,h,i)perylene	29.183	276	119629m	9.360	ng/u1	

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

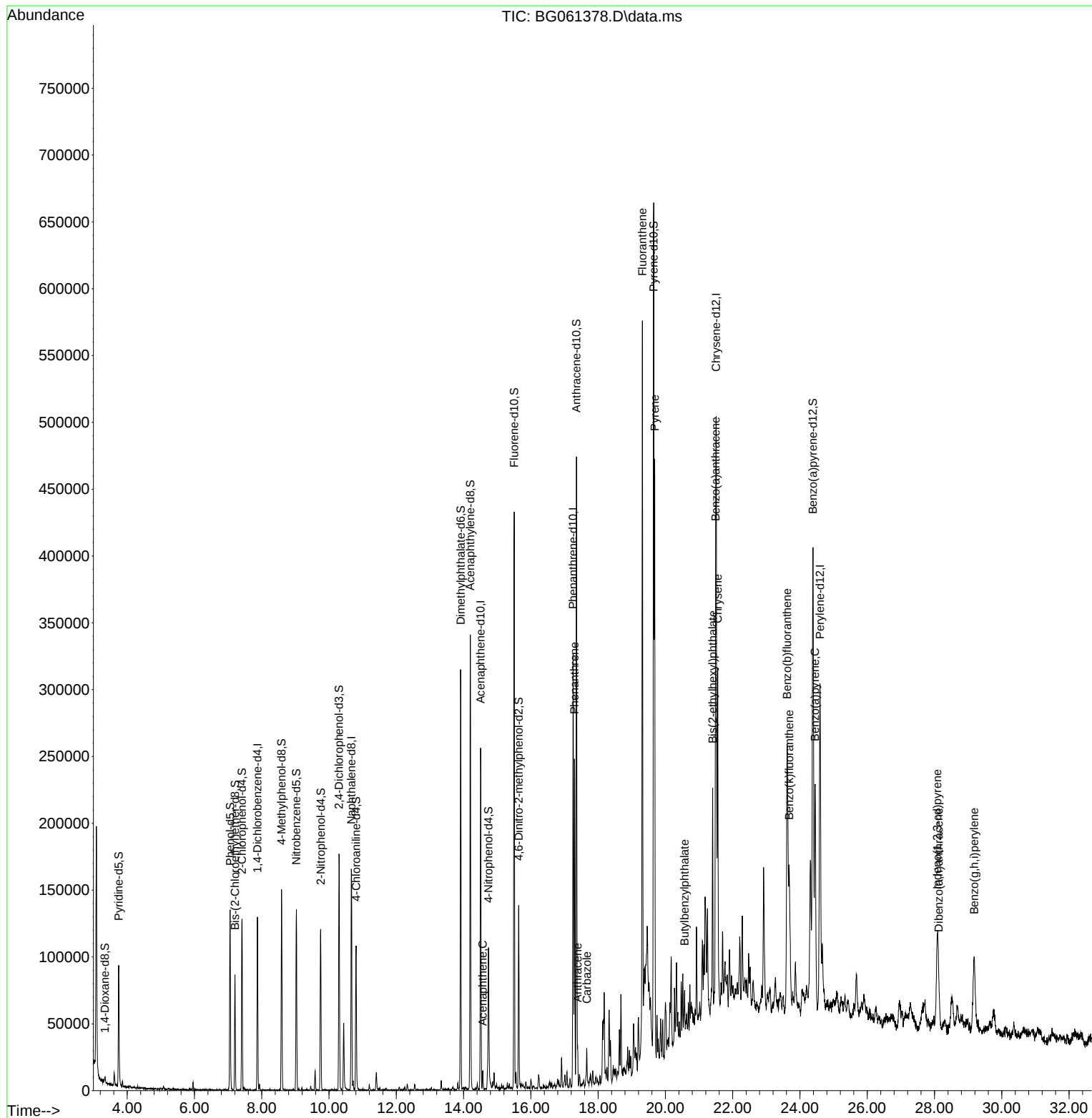
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061378.D
 Acq On : 31 May 2024 4:06
 Operator : MA/JU
 Sample : P2570-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

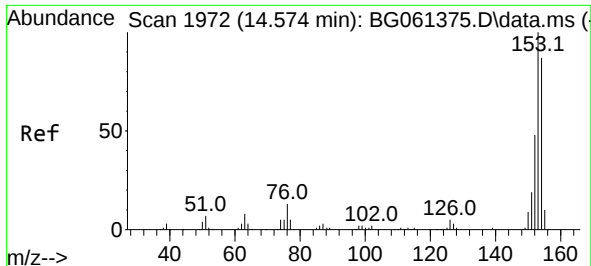
Instrument :
 BNA_G
 ClientSampleId :
 BH6B3

Manual Integrations APPROVED

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

Quant Time: May 31 04:46:02 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





#52
Acenaphthene
Concen: 1.174 ng/ul
RT: 14.570 min Scan# 1972
Delta R.T. -0.003 min
Lab File: BG061378.D
Acq: 31 May 2024 4:06

Instrument :

BNA_G

ClientSampleId :

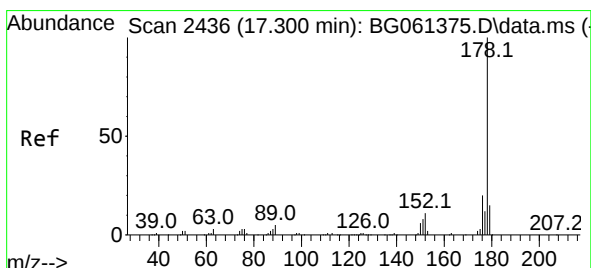
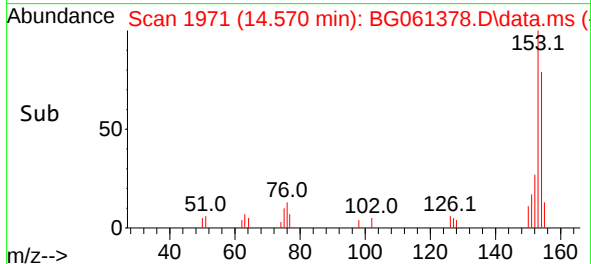
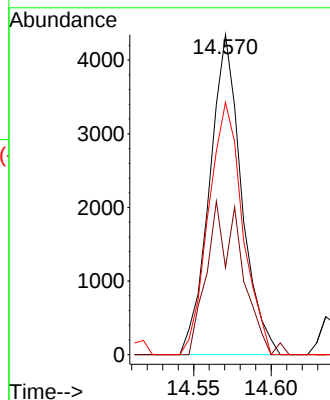
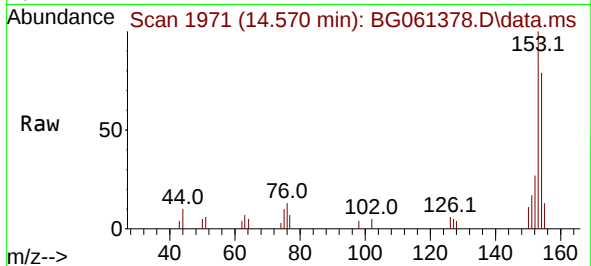
BH6B3

Tgt Ion:153 Resp: 6239
Ion Ratio Lower Upper
153 100
152 27.3 37.8 56.8
154 78.9 69.0 103.6

Manual Integrations

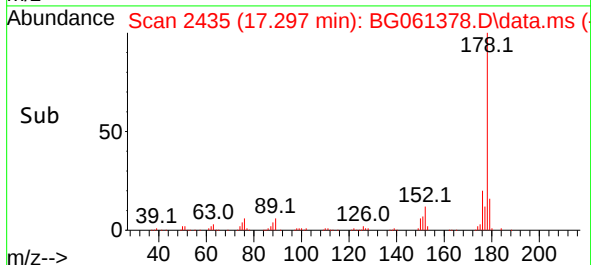
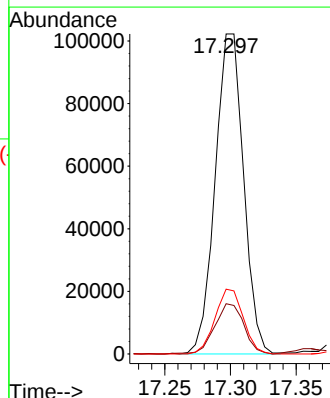
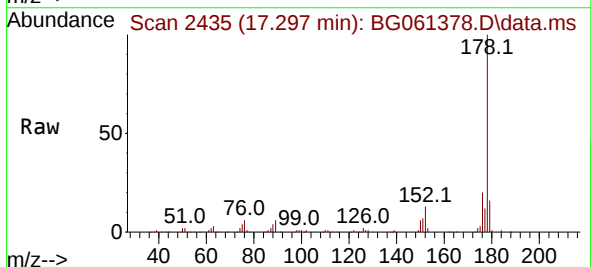
APPROVED

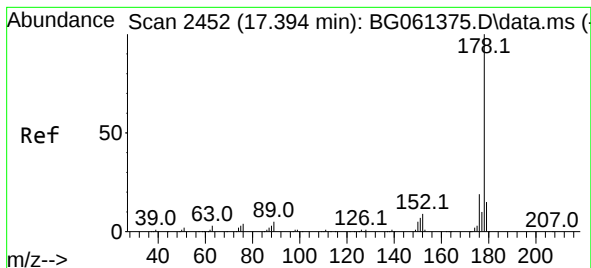
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#72
Phenanthrene
Concen: 16.000 ng/ul
RT: 17.297 min Scan# 2435
Delta R.T. -0.003 min
Lab File: BG061378.D
Acq: 31 May 2024 4:06

Tgt Ion:178 Resp: 153915
Ion Ratio Lower Upper
178 100
179 15.7 12.7 19.1
176 20.2 15.5 23.3





#74

Anthracene

Concen: 1.862 ng/ul

RT: 17.391 min Scan# 2451

Delta R.T. -0.003 min

Lab File: BG061378.D

Acq: 31 May 2024 4:06

Instrument :

BNA_G

ClientSampleId :

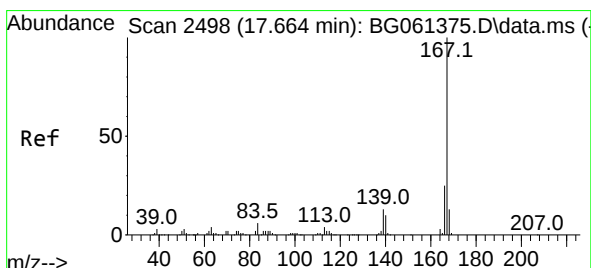
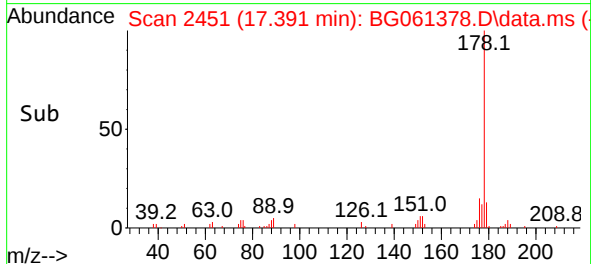
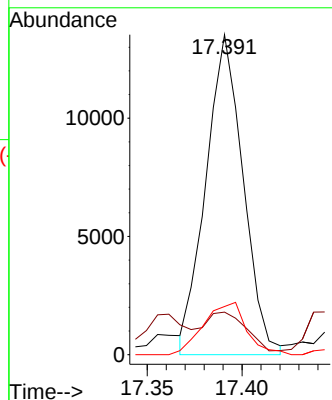
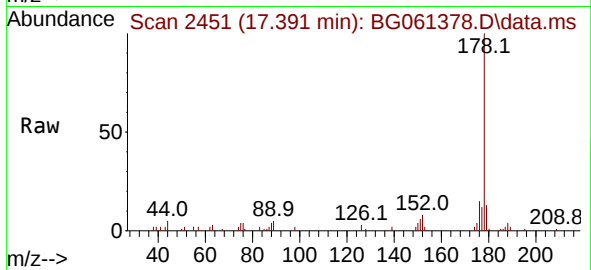
BH6B3

Tgt Ion:178	Resp:	18518
Ion Ratio	Lower	Upper
178	100	
179	13.3	11.8 17.6
176	15.0	14.9 22.3

Manual Integrations

APPROVED

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



#77

Carbazole

Concen: 1.866 ng/ul

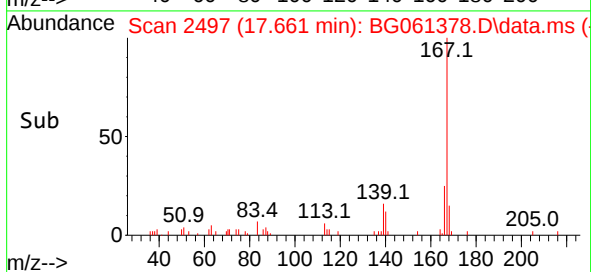
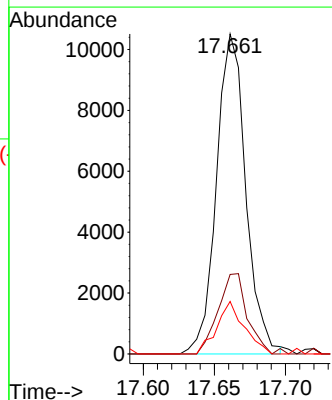
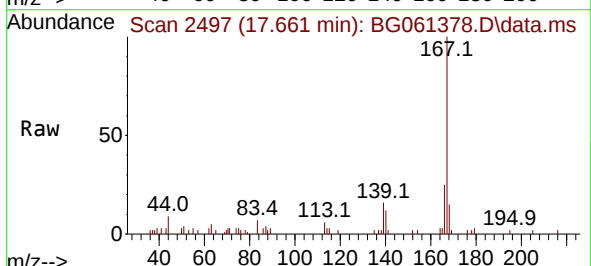
RT: 17.661 min Scan# 2497

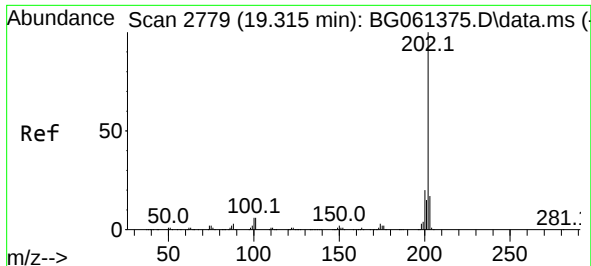
Delta R.T. -0.003 min

Lab File: BG061378.D

Acq: 31 May 2024 4:06

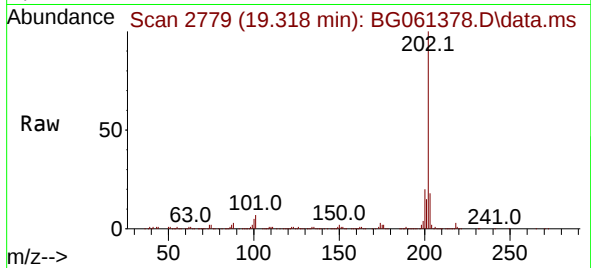
Tgt Ion:167	Resp:	15100
Ion Ratio	Lower	Upper
167	100	
166	24.8	18.6 28.0
139	16.4	10.6 15.8





#80
Fluoranthene
Concen: 25.019 ng/u1
RT: 19.318 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG061378.D
Acq: 31 May 2024 4:06

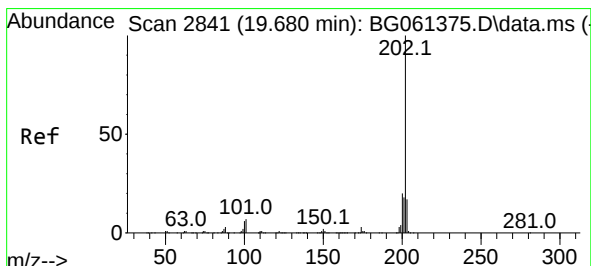
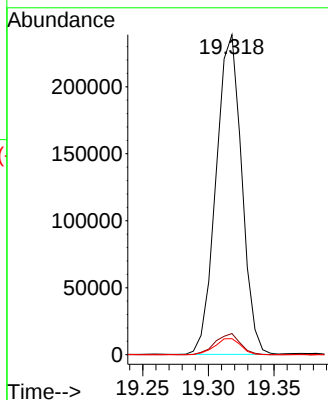
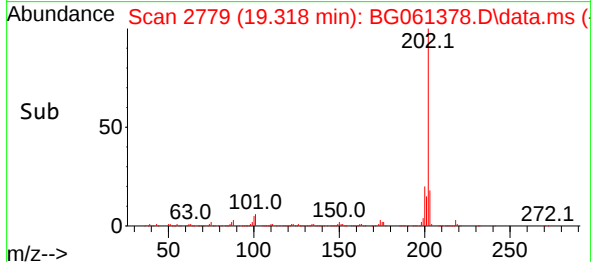
Instrument :
BNA_G
ClientSampleId :
BH6B3



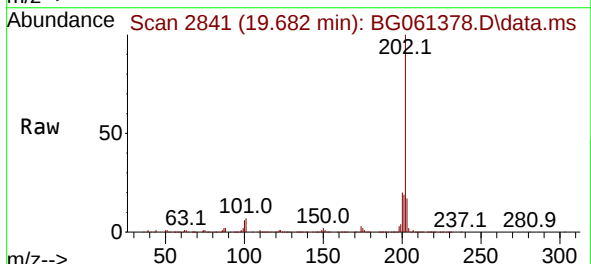
Tgt Ion:202 Resp: 32456
Ion Ratio Lower Upper
202 100
101 6.6 4.8 7.2
100 5.0 4.1 6.1

Manual Integrations
APPROVED

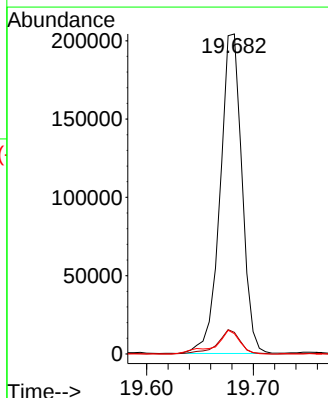
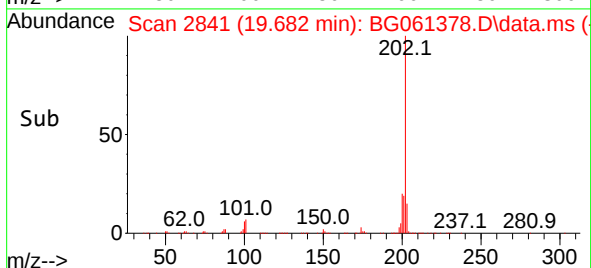
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

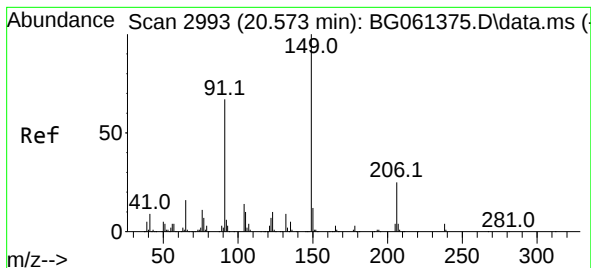


#82
Pyrene
Concen: 21.511 ng/u1
RT: 19.682 min Scan# 2841
Delta R.T. 0.003 min
Lab File: BG061378.D
Acq: 31 May 2024 4:06



Tgt Ion:202 Resp: 289659
Ion Ratio Lower Upper
202 100
101 6.7 5.7 8.5
100 6.3 5.1 7.7





#83

Butylbenzylphthalate

Concen: 1.918 ng/ul

RT: 20.569 min Scan# 2992

Delta R.T. -0.003 min

Lab File: BG061378.D

Acq: 31 May 2024 4:06

Instrument :

BNA_G

ClientSampleId :

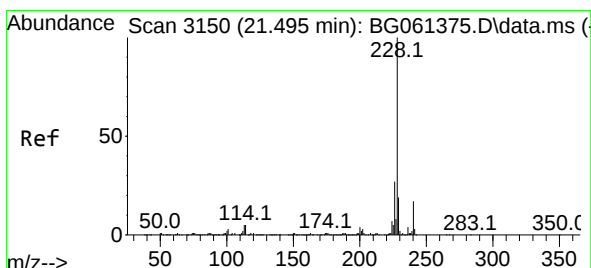
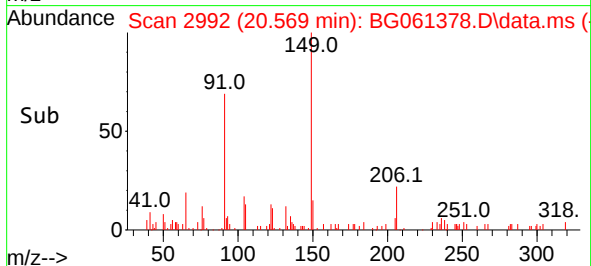
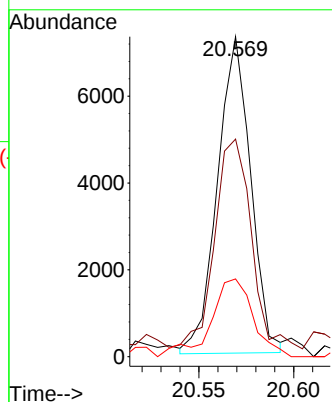
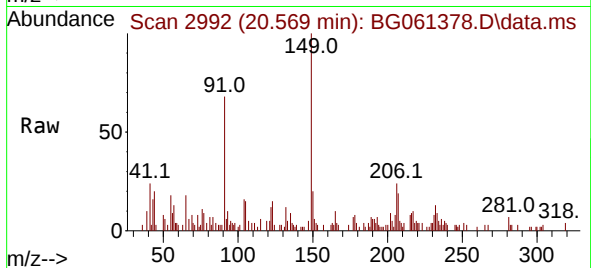
BH6B3

Tgt Ion:	149	Resp:	887
Ion Ratio	Lower	Upper	
149	100		
91	68.0	54.8	82.2
206	24.3	19.4	29.0

Manual Integrations

APPROVED

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



#85

Benzo(a)anthracene

Concen: 11.493 ng/ul

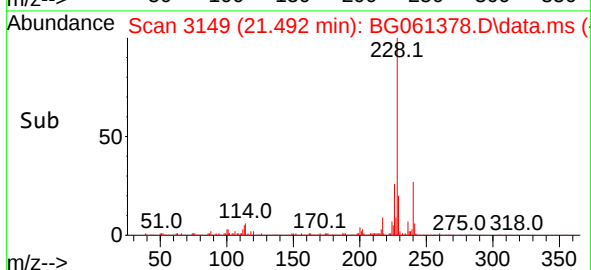
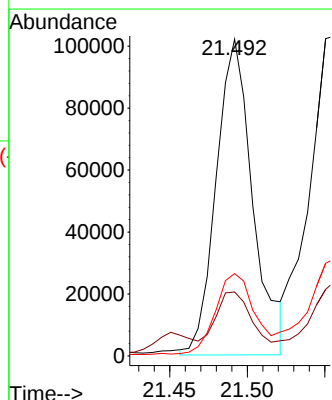
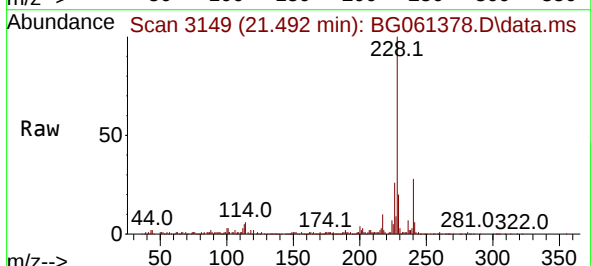
RT: 21.492 min Scan# 3149

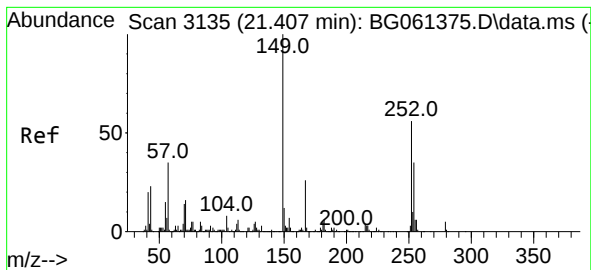
Delta R.T. -0.003 min

Lab File: BG061378.D

Acq: 31 May 2024 4:06

Tgt Ion:	228	Resp:	167011
Ion Ratio	Lower	Upper	
228	100		
229	20.2	15.2	22.8
226	26.0	21.4	32.2





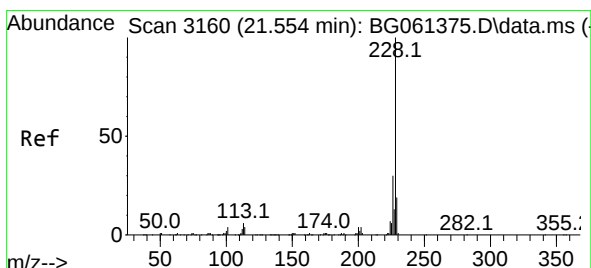
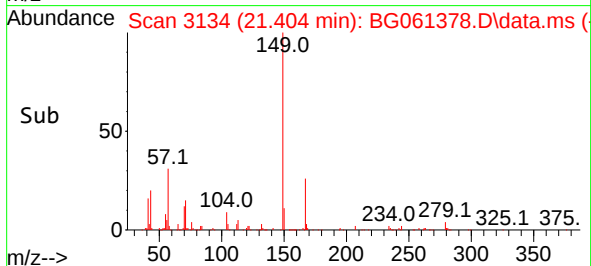
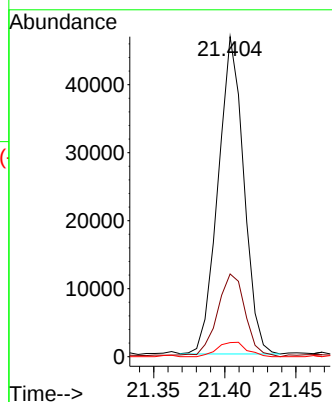
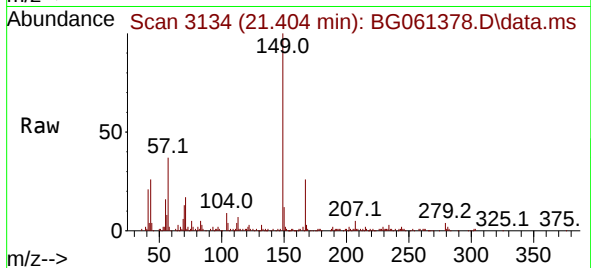
#86
 Bis(2-ethylhexyl)phthalate
 Concen: 8.565 ng/ul
 RT: 21.404 min Scan# 3135
 Delta R.T. -0.003 min
 Lab File: BG061378.D
 Acq: 31 May 2024 4:06

Instrument :
 BNA_G
 ClientSampleId :
 BH6B3

Tgt Ion:149 Resp: 58649
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.1 31.7
 279 4.4 3.3 4.9

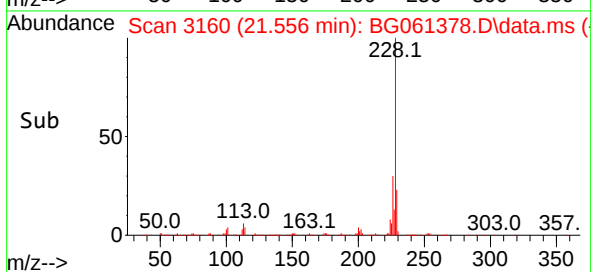
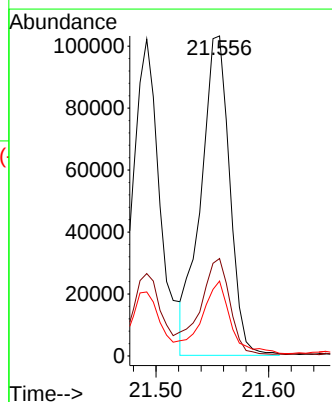
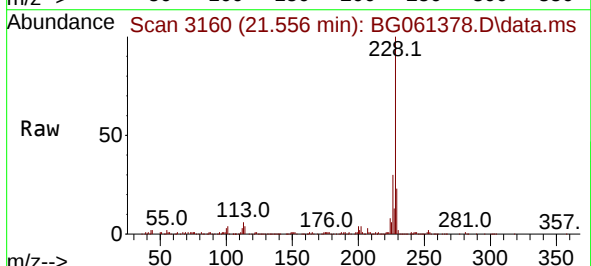
Manual Integrations
 APPROVED

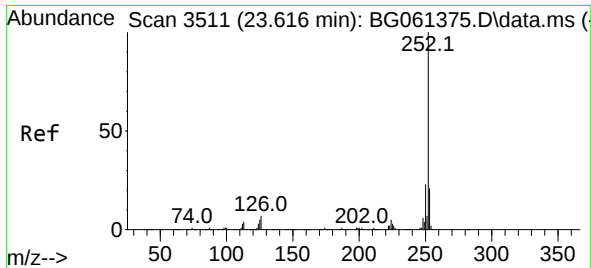
Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024



#87
 Chrysene
 Concen: 13.770 ng/ul m
 RT: 21.556 min Scan# 3160
 Delta R.T. 0.003 min
 Lab File: BG061378.D
 Acq: 31 May 2024 4:06

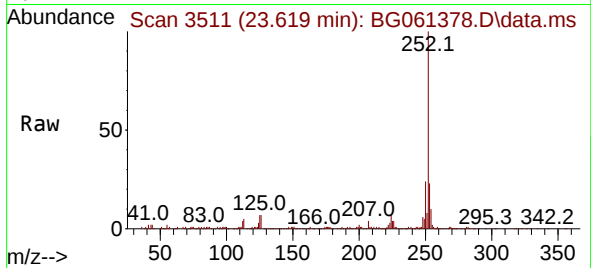
Tgt Ion:228 Resp: 184252
 Ion Ratio Lower Upper
 228 100
 226 30.5 23.4 35.0
 229 23.4 15.4 23.2#





#90
Benzo(b)fluoranthene
Concen: 18.583 ng/ul
RT: 23.619 min Scan# 3511
Delta R.T. 0.003 min
Lab File: BG061378.D
Acq: 31 May 2024 4:06

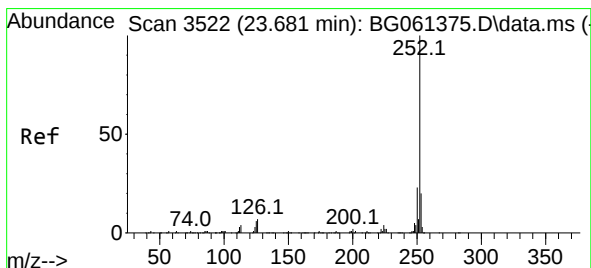
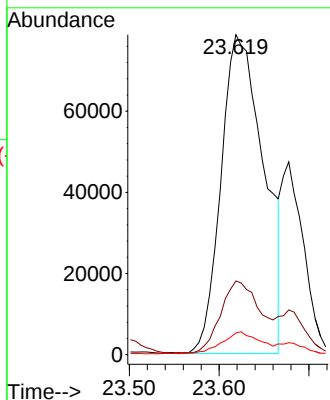
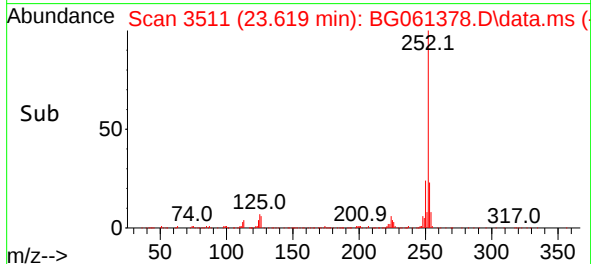
Instrument :
BNA_G
ClientSampleId :
BH6B3



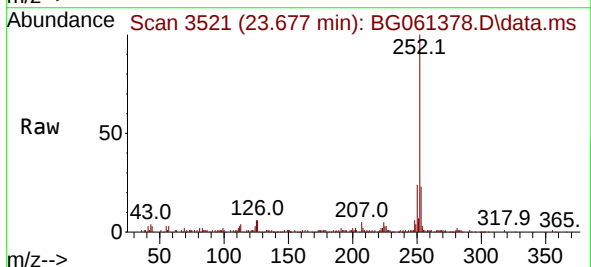
Tgt Ion:252 Resp: 26000
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 6.8 4.6 6.8

Manual Integrations
APPROVED

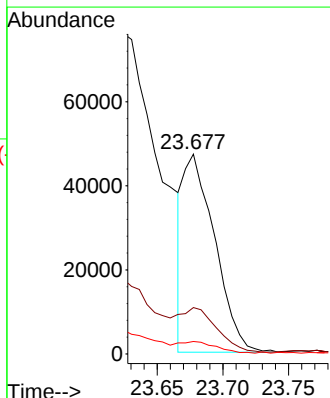
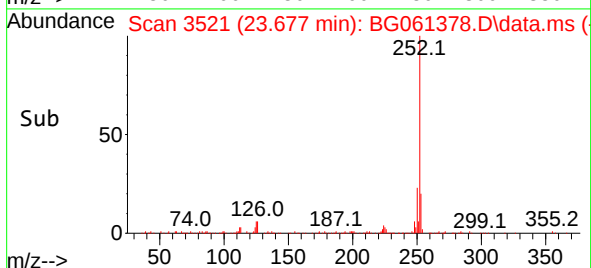
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

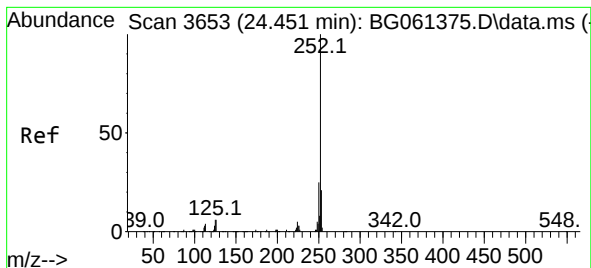


#91
Benzo(k)fluoranthene
Concen: 5.486 ng/ul
RT: 23.677 min Scan# 3521
Delta R.T. -0.003 min
Lab File: BG061378.D
Acq: 31 May 2024 4:06



Tgt Ion:252 Resp: 77925
Ion Ratio Lower Upper
252 100
253 23.3 16.0 24.0
125 6.2 4.3 6.5





#93

Benzo(a)pyrene

Concen: 12.951 ng/ul

RT: 24.447 min Scan# 30

Delta R.T. -0.003 min

Lab File: BG061378.D

Acq: 31 May 2024 4:06

Instrument :

BNA_G

ClientSampleId :

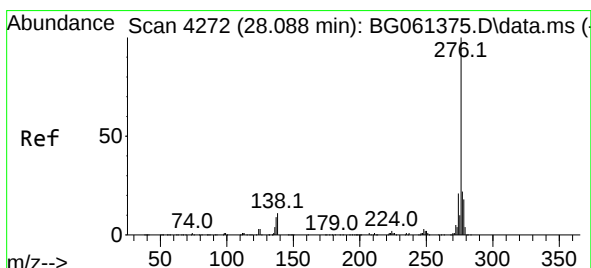
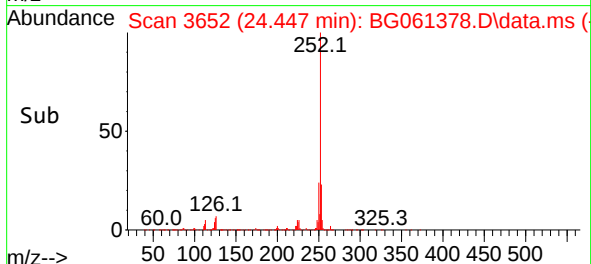
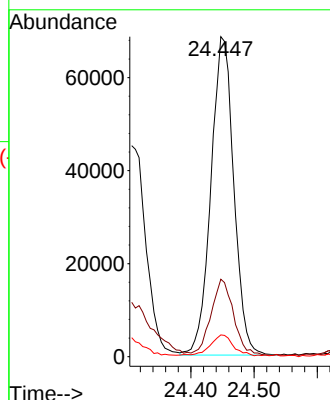
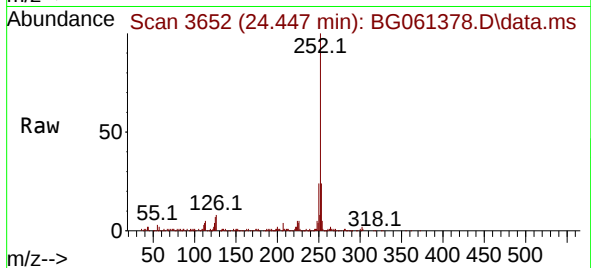
BH6B3

Tgt Ion:	252	Resp:	172062
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.4	24.6
125	6.8	4.3	6.5

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.609 ng/ul

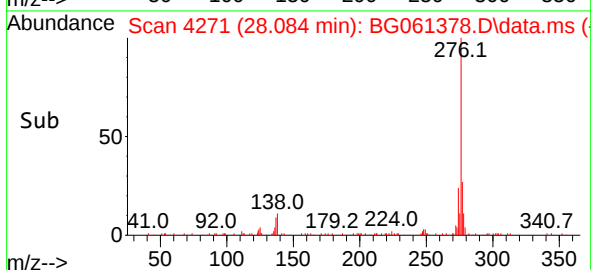
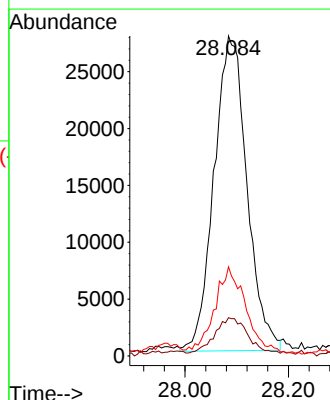
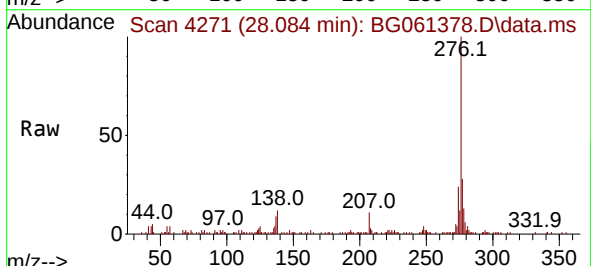
RT: 28.084 min Scan# 4271

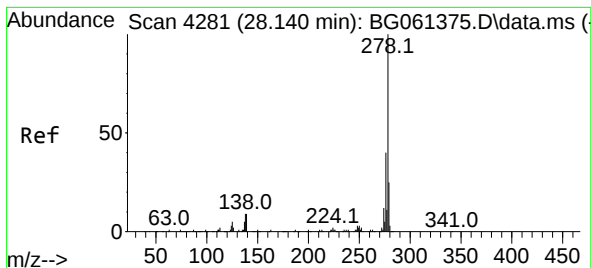
Delta R.T. -0.009 min

Lab File: BG061378.D

Acq: 31 May 2024 4:06

Tgt Ion:	276	Resp:	122247
Ion Ratio	Lower	Upper	
276	100		
138	12.0	8.6	13.0
277	27.9	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 2.463 ng/ul m

RT: 28.125 min Scan# 4281

Delta R.T. -0.014 min

Lab File: BG061378.D

Acq: 31 May 2024 4:06

Instrument :

BNA_G

ClientSampleId :

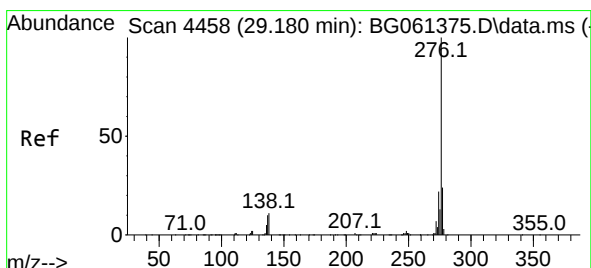
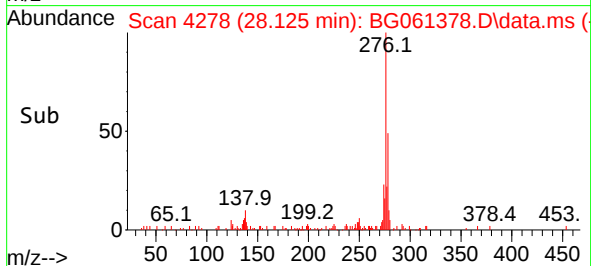
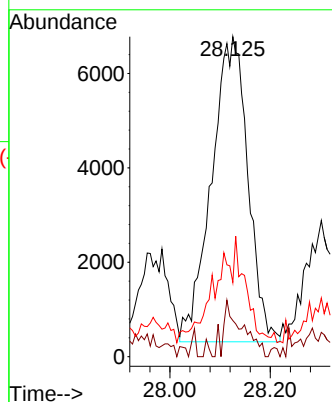
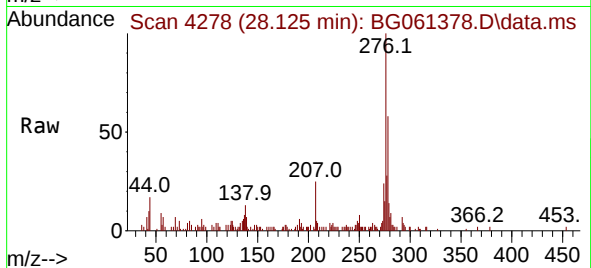
BH6B3

Tgt Ion:278 Resp: 32628
 Ion Ratio Lower Upper
 278 100
 139 11.3 6.4 9.6
 279 23.2 19.9 29.9

Manual Integrations

APPROVED

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



#96

Benzo(g,h,i)perylene

Concen: 9.360 ng/ul m

RT: 29.183 min Scan# 4458

Delta R.T. 0.009 min

Lab File: BG061378.D

Acq: 31 May 2024 4:06

Tgt Ion:276 Resp: 119629
 Ion Ratio Lower Upper
 276 100
 138 11.6 8.7 13.1
 277 24.5 18.2 27.2

