

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061497.D
 Acq On : 5 Jun 2024 22:03
 Operator : MA/JU
 Sample : P2623-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBQ8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 23:22:24 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	7.875	152	30699	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	119468	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.509	164	80110	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.264	188	176919	20.000	ng/u1	0.00
79) Chrysene-d12	21.524	240	203725	20.000	ng/u1	0.01
88) Perylene-d12	24.615	264	227617	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.339	96	1849	3.371	ng/uL	0.00
4) Pyridine-d5	3.745	84	12015	6.157	ng/u1	0.00
7) Phenol-d5	7.065	99	42972	17.045	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.206	67	27419	17.304	ng/u1	0.00
11) 2-Chlorophenol-d4	7.417	132	36530	19.579	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	32487	15.113	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	18497	20.109	ng/u1	0.00
24) 2-Nitrophenol-d4	9.755	143	21592	20.058	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	43547	20.750	ng/u1	0.00
31) 4-Chloroaniline-d4	10.807	131	34079	12.412	ng/u1	0.00
46) Dimethylphthalate-d6	13.915	166	124507	20.039	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	135054	20.908	ng/u1	0.00
54) 4-Nitrophenol-d4	14.767	143	10708m	13.940	ng/u1	0.03
60) Fluorene-d10	15.508	176	106416	19.838	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.654	200	12886	12.043	ng/u1	0.02
73) Anthracene-d10	17.364	188	174719	22.400	ng/u1	0.00
81) Pyrene-d10	19.656	212	202931	19.400	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.403	264	175954	16.079	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.719	128	7643	1.212	ng/u1	97
52) Acenaphthene	14.573	153	11440	2.435	ng/u1	98
56) Dibenzofuran	14.908	168	14361	2.138	ng/u1	99
61) Fluorene	15.560	166	13751	2.366	ng/u1#	86
72) Phenanthrene	17.305	178	383085	44.613	ng/u1	99
74) Anthracene	17.394	178	70382	7.927	ng/u1	98
77) Carbazole	17.670	167	41230	5.709	ng/u1	97
78) Di-n-butylphthalate	18.222	149	9735	1.076	ng/u1	99
80) Fluoranthene	19.327	202	747769	59.590	ng/u1	98
82) Pyrene	19.685	202	511288	39.253	ng/u1	98
85) Benzo(a)anthracene	21.501	228	408011	29.025	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.407	149	29114	4.396	ng/u1#	99
87) Chrysene	21.565	228	361212	27.907	ng/u1	94
90) Benzo(b)fluoranthene	23.639	252	471172	34.767	ng/u1	99
91) Benzo(k)fluoranthene	23.698	252	181717m	13.208	ng/u1	
93) Benzo(a)pyrene	24.468	252	190118	14.774	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.128	276	143790m	9.240	ng/u1	
95) Dibenzo(a,h)anthracene	28.157	278	45993m	3.584	ng/u1	
96) Benzo(g,h,i)perylene	29.215	276	21207m	1.713	ng/u1	

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

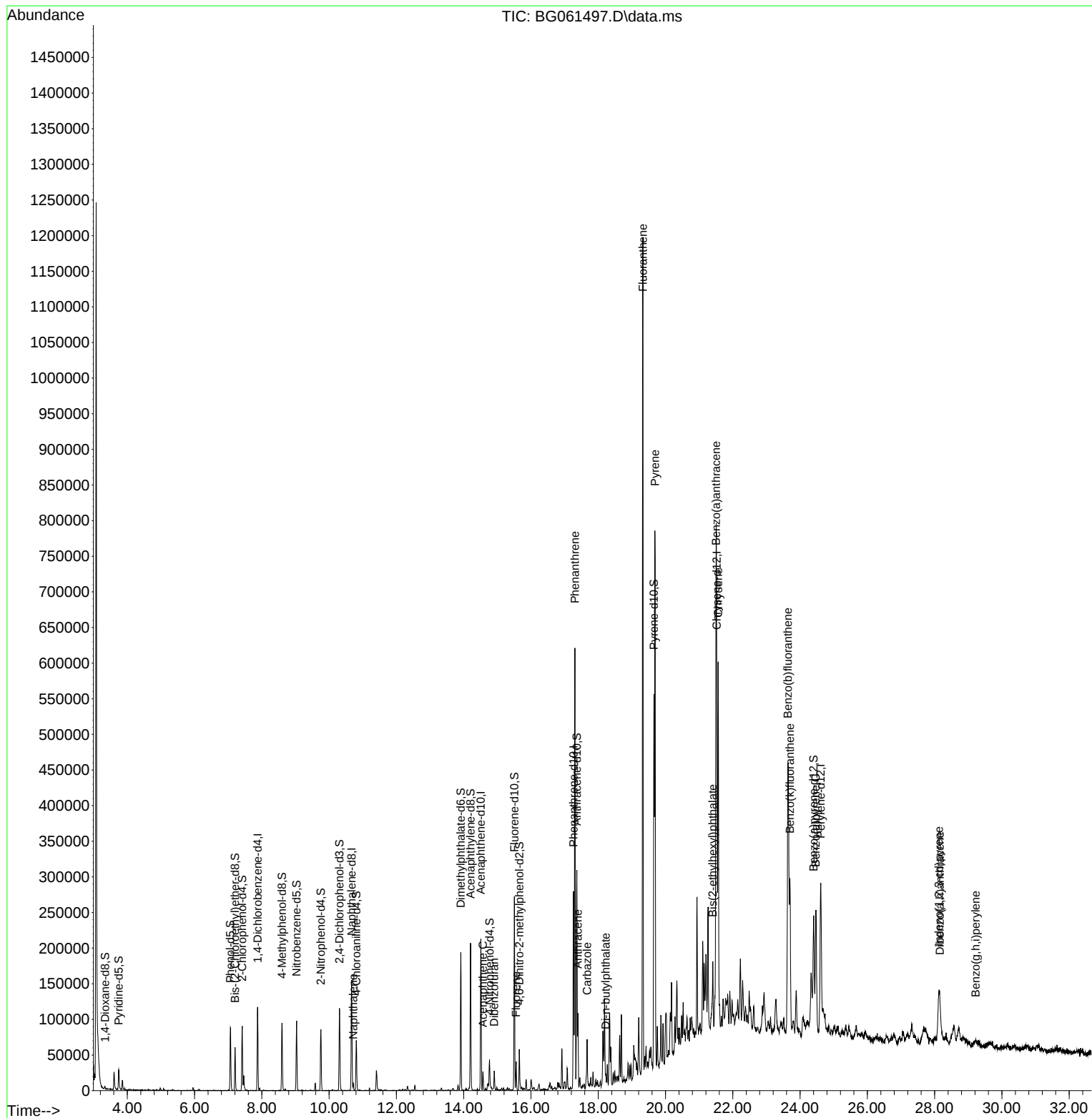
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
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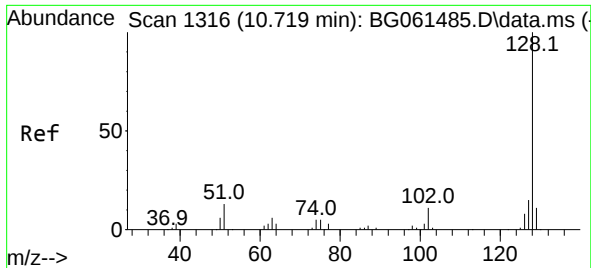
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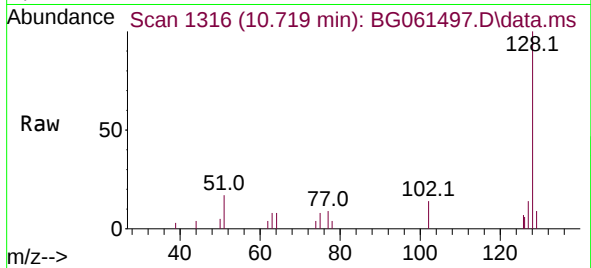
Quant Time: Jun 05 23:22:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
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#30
Naphthalene
Concen: 1.212 ng/ul
RT: 10.719 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG061497.D
Acq: 5 Jun 2024 22:03

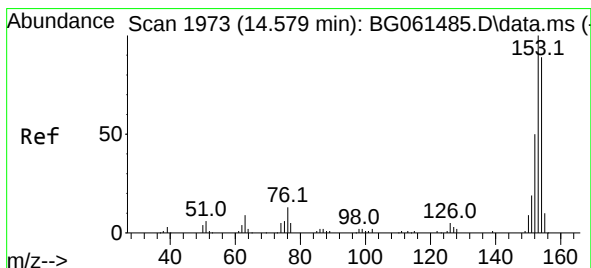
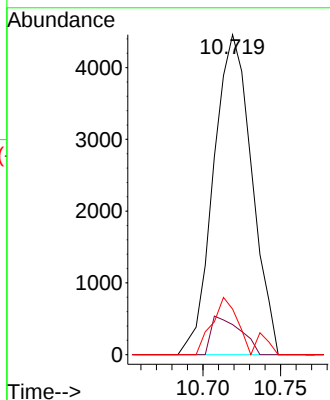
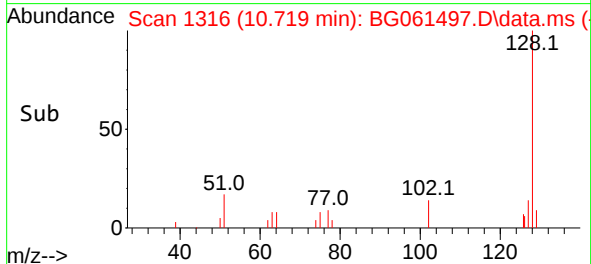
Instrument :
BNA_G
ClientSampleId :
BHBQ8



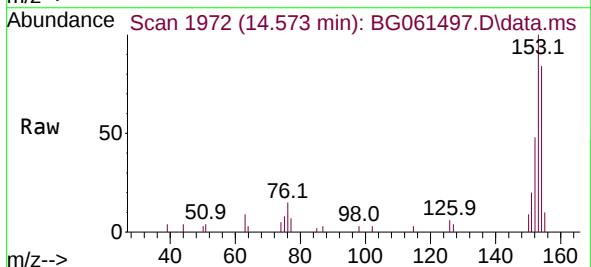
Tgt Ion:	128	Resp:	764
Ion	Ratio	Lower	Upper
128	100		
129	9.4	8.6	12.8
127	14.2	10.8	16.2

Manual Integrations
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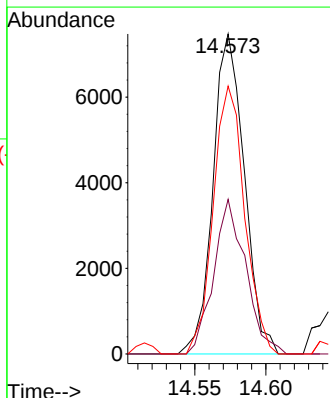
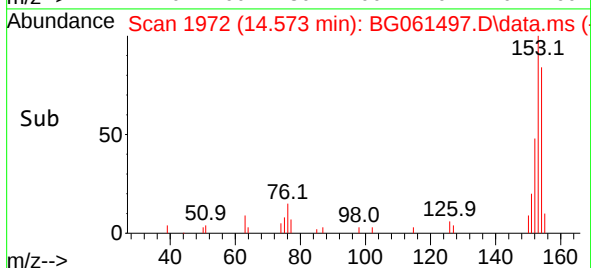
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

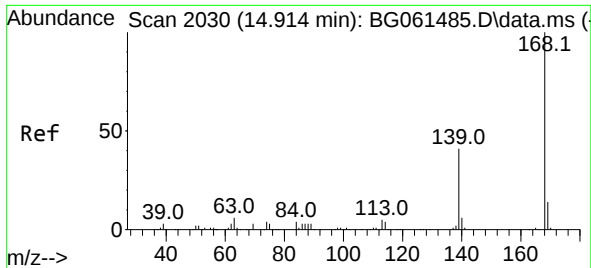


#52
Acenaphthene
Concen: 2.435 ng/ul
RT: 14.573 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG061497.D
Acq: 5 Jun 2024 22:03



Tgt Ion:	153	Resp:	11440
Ion	Ratio	Lower	Upper
153	100		
152	48.3	37.8	56.8
154	83.7	69.0	103.6





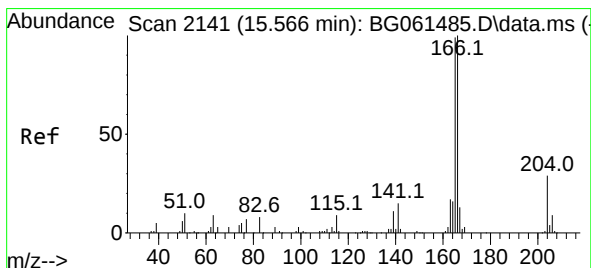
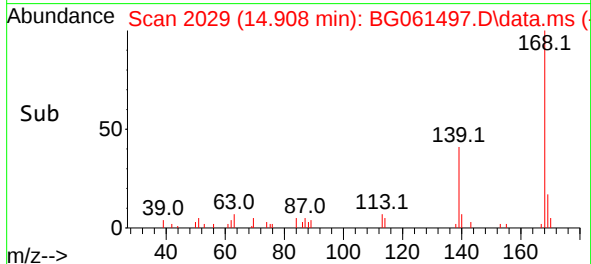
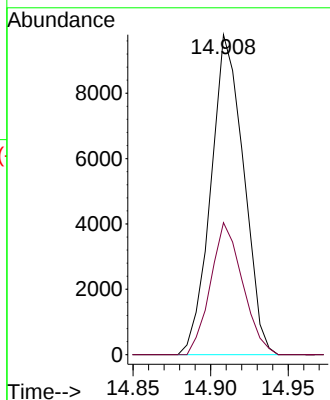
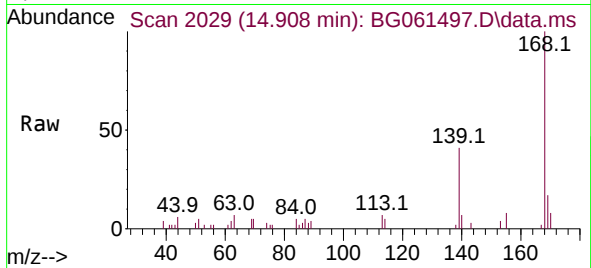
#56
Dibenzofuran
Concen: 2.138 ng/ul
RT: 14.908 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BG061497.D
Acq: 5 Jun 2024 22:03

Instrument :
BNA_G
ClientSampleId :
BHBQ8

Tgt Ion:168 Resp: 1436
Ion Ratio Lower Upper
168 100
139 41.2 33.4 50.2

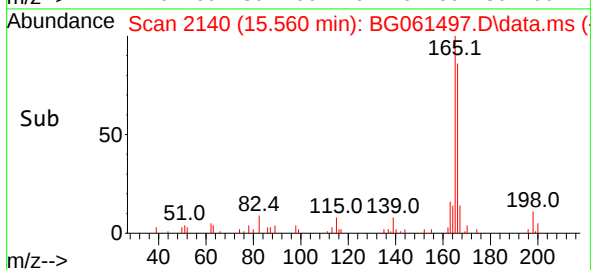
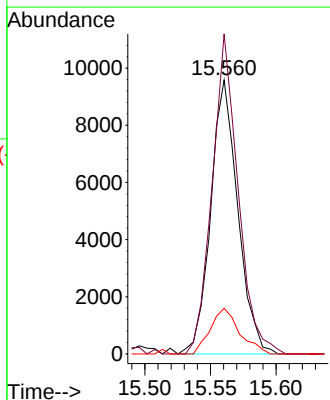
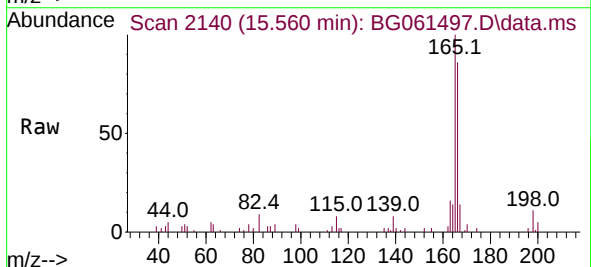
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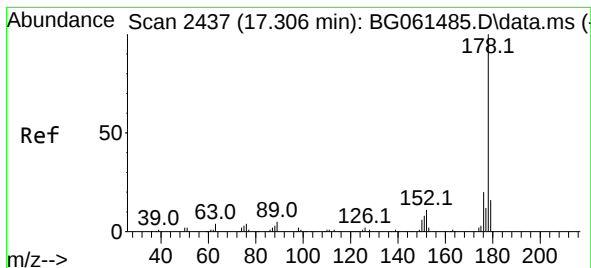
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#61
Fluorene
Concen: 2.366 ng/ul
RT: 15.560 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061497.D
Acq: 5 Jun 2024 22:03

Tgt Ion:166 Resp: 13751
Ion Ratio Lower Upper
166 100
165 116.8 81.8 122.8
167 16.6 10.6 16.0#





#72

Phenanthrene

Concen: 44.613 ng/uI

RT: 17.305 min Scan# 2437

Delta R.T. 0.006 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

Instrument :

BNA_G

ClientSampleId :

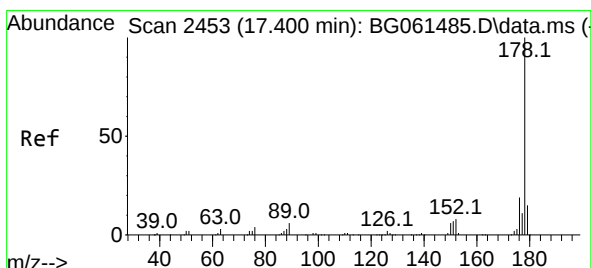
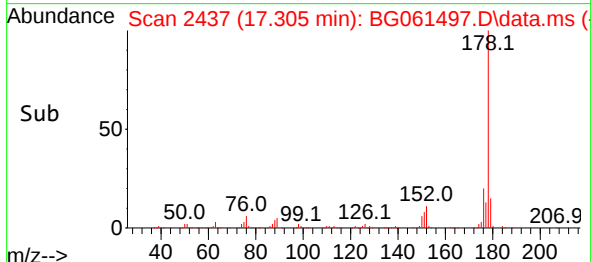
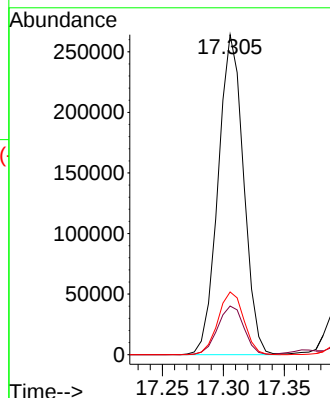
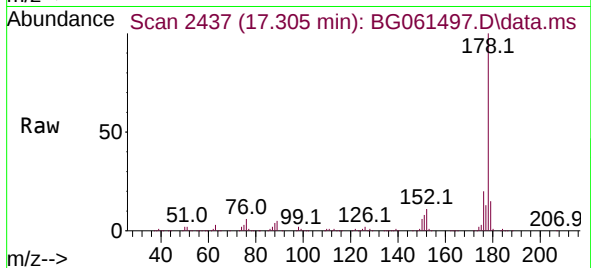
BHBQ8

Tgt Ion:178 Resp: 383085
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.7 19.1
 176 19.6 15.5 23.3

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#74

Anthracene

Concen: 7.927 ng/uI

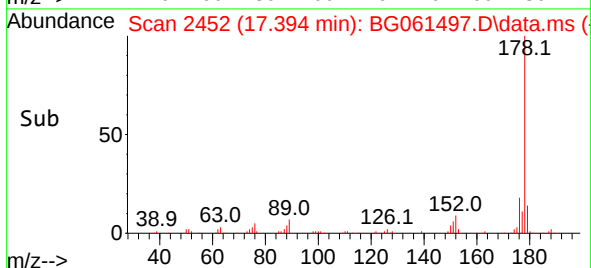
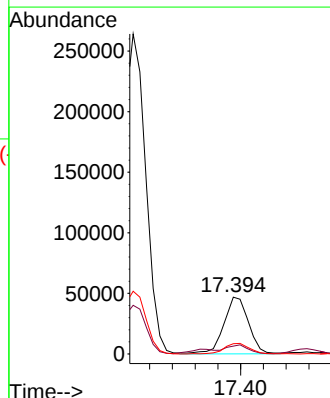
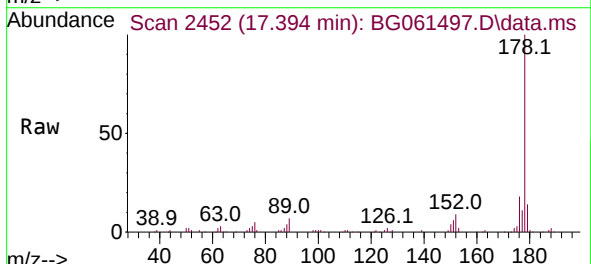
RT: 17.394 min Scan# 2452

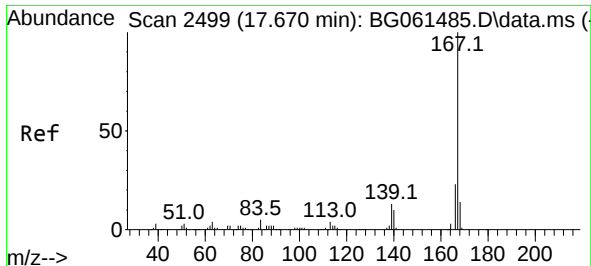
Delta R.T. 0.000 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

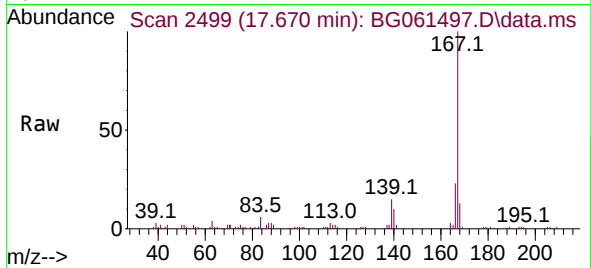
Tgt Ion:178 Resp: 70382
 Ion Ratio Lower Upper
 178 100
 179 13.8 11.8 17.6
 176 18.0 14.9 22.3





#77
 Carbazole
 Concen: 5.709 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. 0.006 min
 Lab File: BG061497.D
 Acq: 5 Jun 2024 22:03

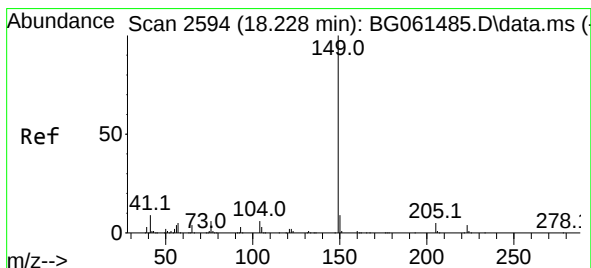
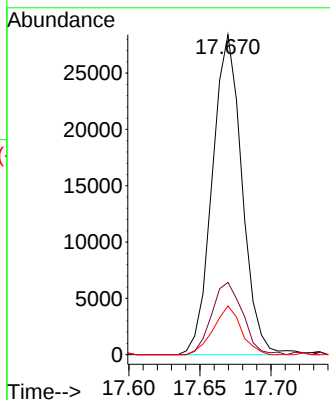
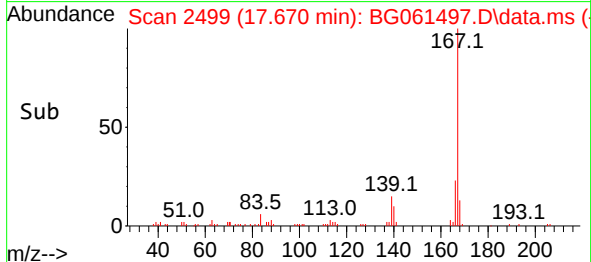
Instrument :
 BNA_G
 ClientSampleId :
 BHBQ8



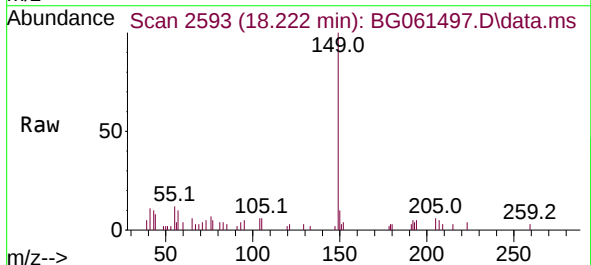
Tgt Ion:167 Resp: 41230
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.6 28.0
 139 15.3 10.6 15.8

Manual Integrations
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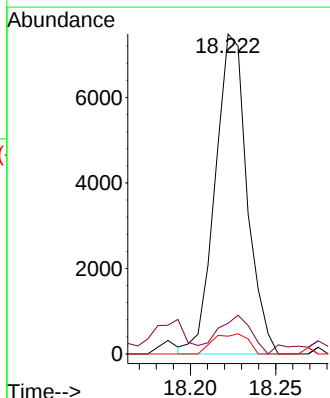
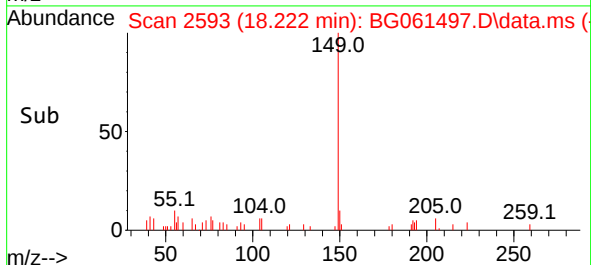
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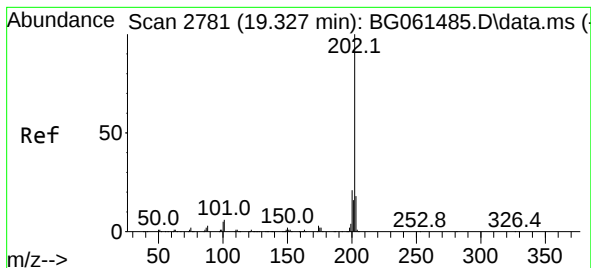


#78
 Di-n-butylphthalate
 Concen: 1.076 ng/ul
 RT: 18.222 min Scan# 2593
 Delta R.T. 0.000 min
 Lab File: BG061497.D
 Acq: 5 Jun 2024 22:03



Tgt Ion:149 Resp: 9735
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.8 11.8
 104 5.6 4.8 7.2





#80

Fluoranthene

Concen: 59.590 ng/uI

RT: 19.327 min Scan# 21

Delta R.T. 0.012 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

Instrument :

BNA_G

ClientSampleId :

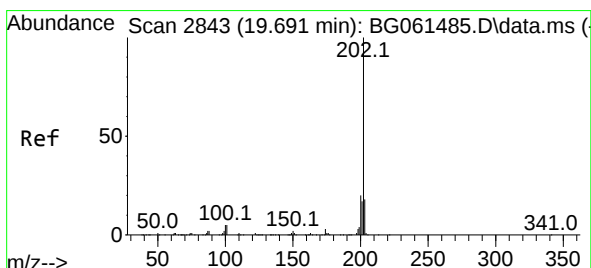
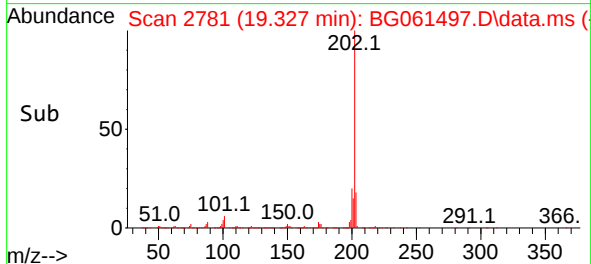
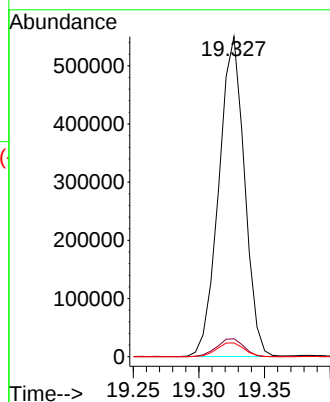
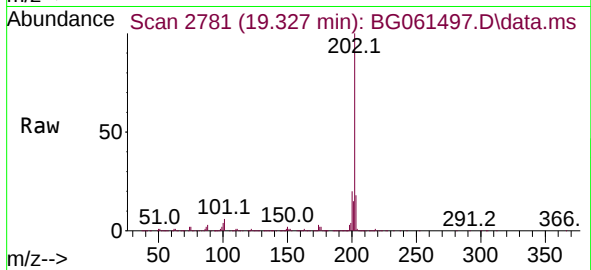
BHBQ8

Tgt Ion:	202	Resp:	747769
Ion Ratio	Lower	Upper	
202	100		
101	5.6	4.8	7.2
100	4.3	4.1	6.1

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#82

Pyrene

Concen: 39.253 ng/uI

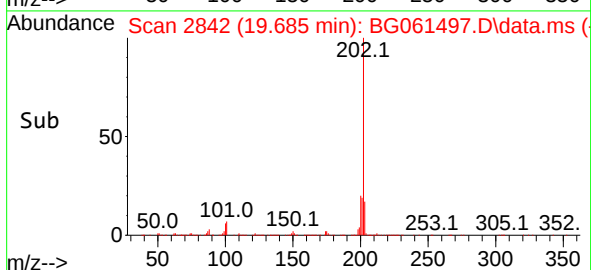
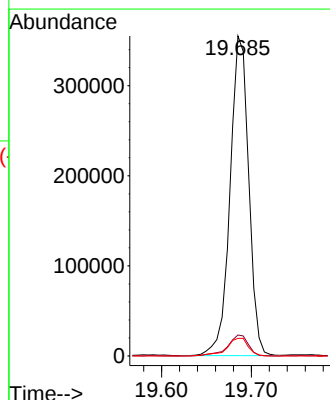
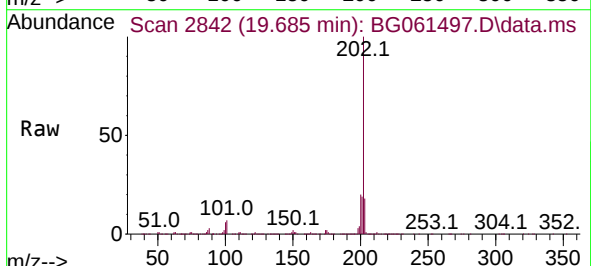
RT: 19.685 min Scan# 2842

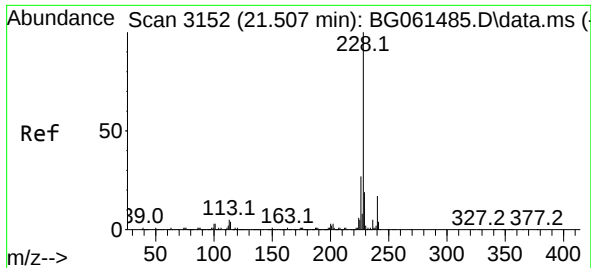
Delta R.T. 0.006 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

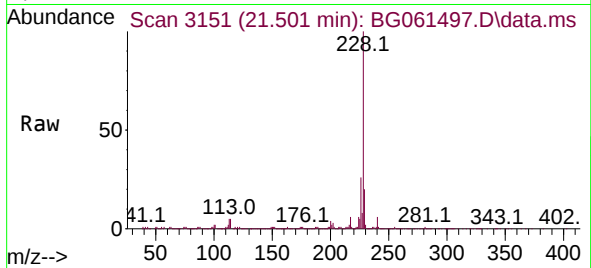
Tgt Ion:	202	Resp:	511288
Ion Ratio	Lower	Upper	
202	100		
101	6.5	5.7	8.5
100	5.5	5.1	7.7





#85
Benzo(a)anthracene
Concen: 29.025 ng/ul
RT: 21.501 min Scan# 3151
Delta R.T. 0.006 min
Lab File: BG061497.D
Acq: 5 Jun 2024 22:03

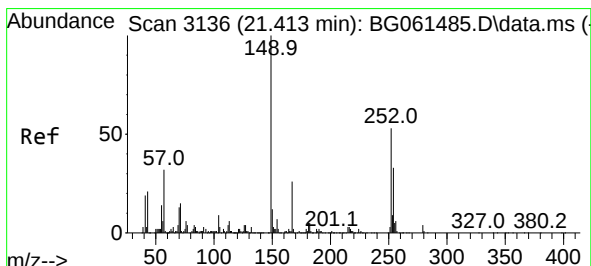
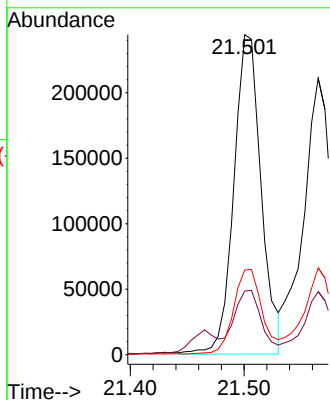
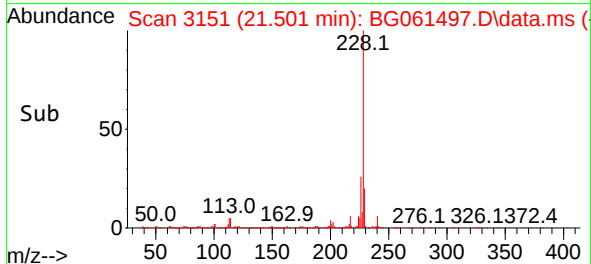
Instrument :
BNA_G
ClientSampleId :
BHBQ8



Tgt Ion:228 Resp: 40801
Ion Ratio Lower Upper
228 100
229 19.9 15.2 22.8
226 26.5 21.4 32.2

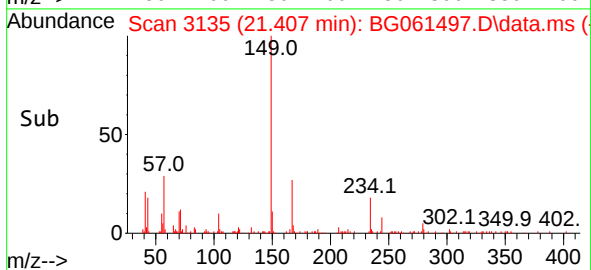
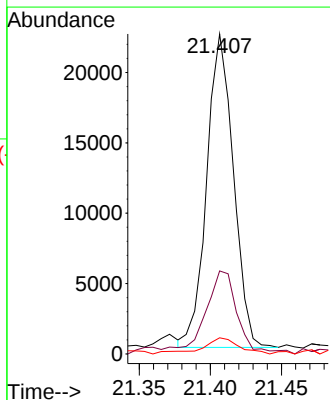
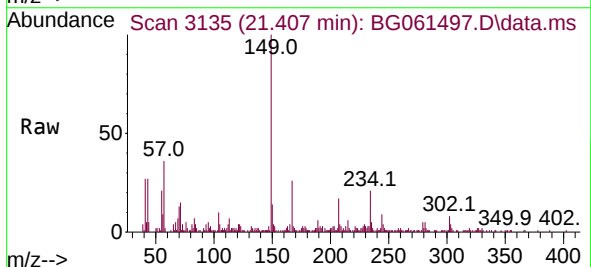
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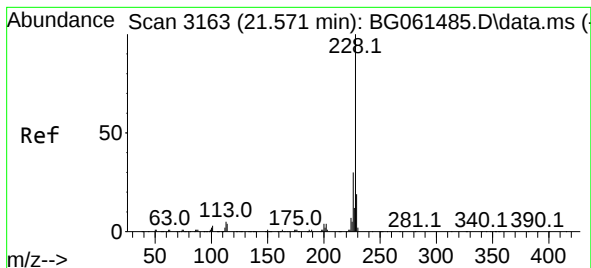
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 4.396 ng/ul
RT: 21.407 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BG061497.D
Acq: 5 Jun 2024 22:03

Tgt Ion:149 Resp: 29114
Ion Ratio Lower Upper
149 100
167 26.0 21.1 31.7
279 5.0 3.3 4.9#





#87

Chrysene

Concen: 27.907 ng/ul

RT: 21.565 min Scan# 3162

Delta R.T. 0.012 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

Instrument :

BNA_G

ClientSampleId :

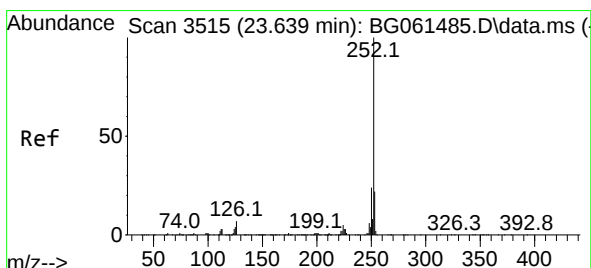
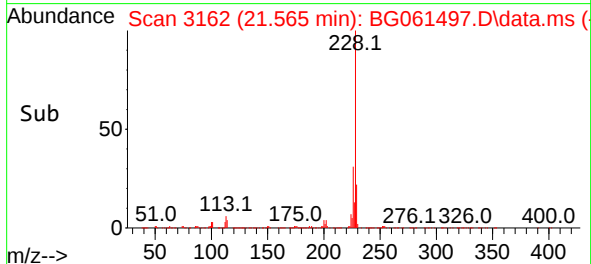
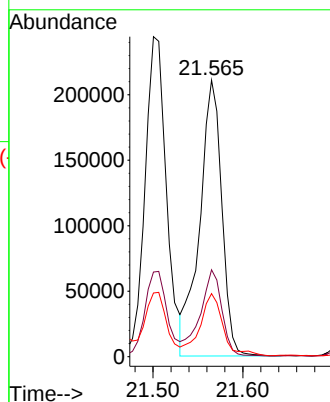
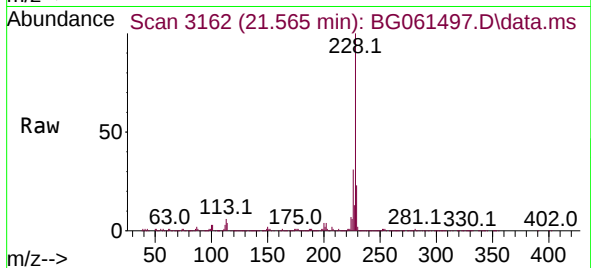
BHBQ8

Tgt Ion:	228	Resp:	36121
Ion Ratio	Lower	Upper	
228	100		
226	31.4	23.4	35.0
229	22.8	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#90

Benzo(b)fluoranthene

Concen: 34.767 ng/ul

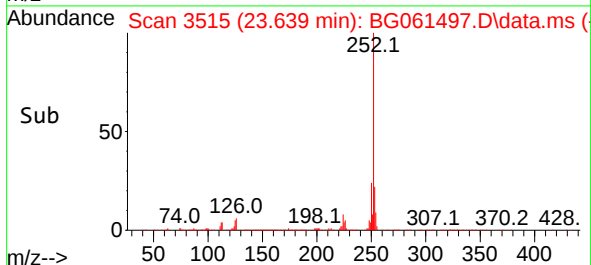
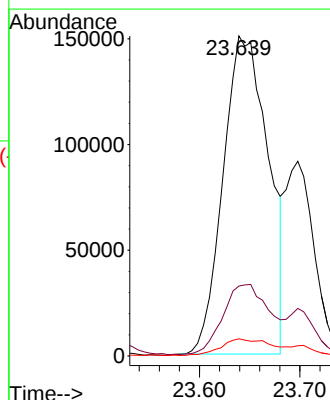
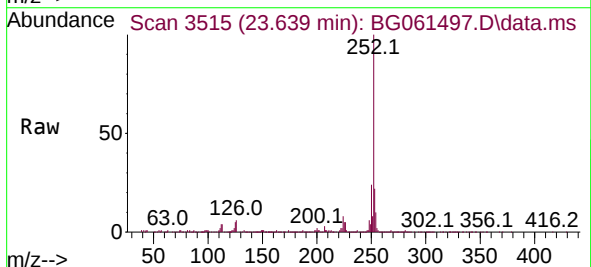
RT: 23.639 min Scan# 3515

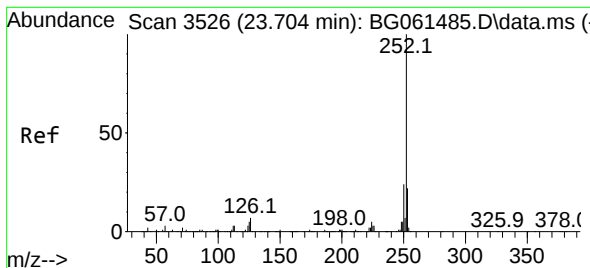
Delta R.T. 0.024 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

Tgt Ion:	252	Resp:	471172
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.8	26.8
125	5.4	4.6	6.8





#91

Benzo(k)fluoranthene

Concen: 13.208 ng/ul m

RT: 23.698 min Scan# 3

Delta R.T. 0.018 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

Instrument :

BNA_G

ClientSampleId :

BHBQ8

Tgt Ion:252 Resp: 18171

Ion Ratio Lower Upper

252 100

253 24.4 16.0 24.0

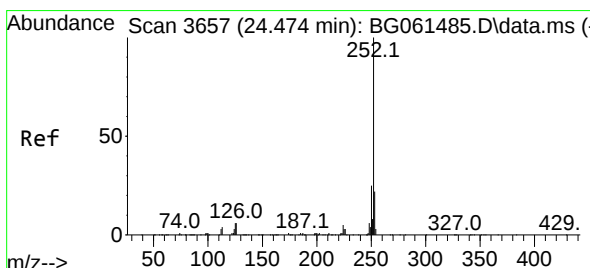
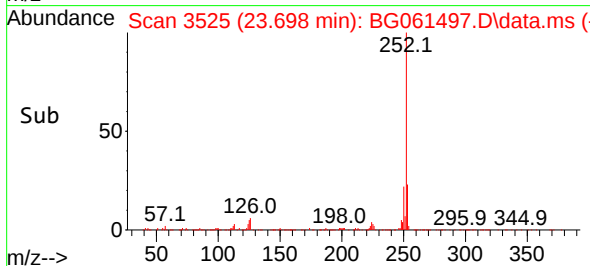
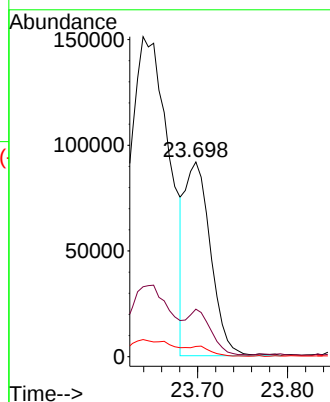
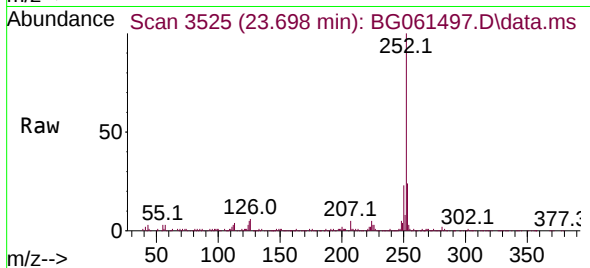
125 5.2 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024

Supervised By :mohammad ahmed 06/07/2024



#93

Benzo(a)pyrene

Concen: 14.774 ng/ul

RT: 24.468 min Scan# 3656

Delta R.T. 0.018 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

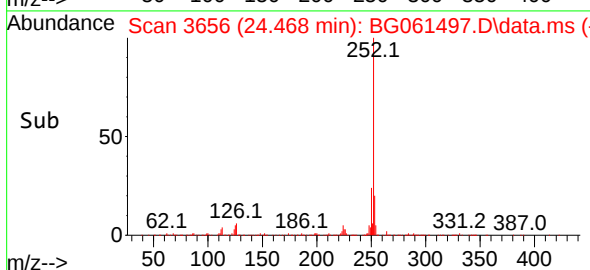
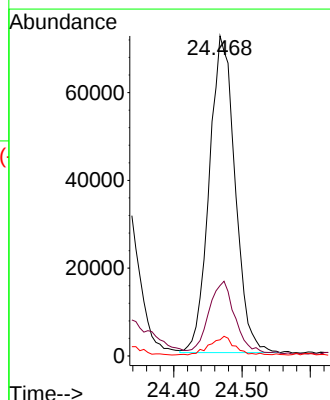
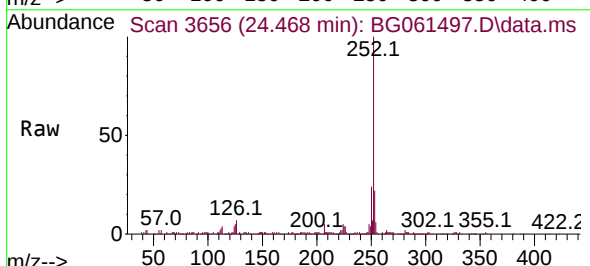
Tgt Ion:252 Resp: 190118

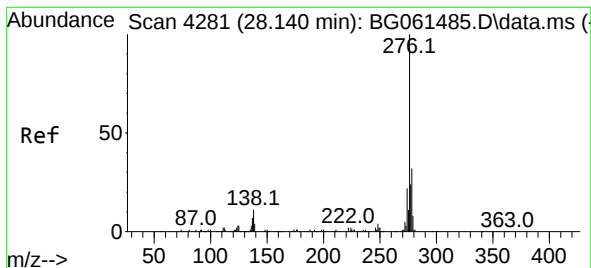
Ion Ratio Lower Upper

252 100

253 22.0 16.4 24.6

125 5.1 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.240 ng/ul m

RT: 28.128 min Scan# 4279

Delta R.T. 0.035 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

Instrument :

BNA_G

ClientSampleId :

BHBQ8

Tgt Ion:276 Resp: 143790

Ion Ratio Lower Upper

276 100

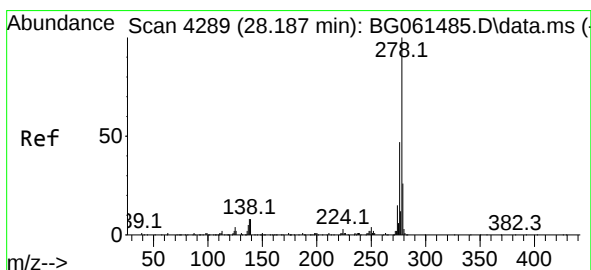
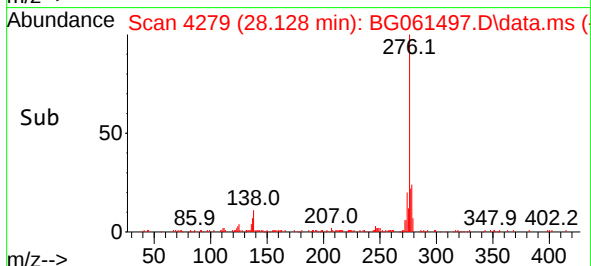
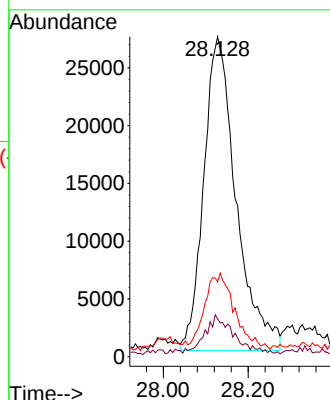
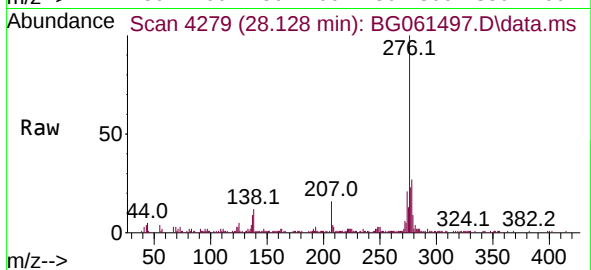
138 11.8 8.6 13.0

277 23.4 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.584 ng/ul m

RT: 28.157 min Scan# 4284

Delta R.T. 0.018 min

Lab File: BG061497.D

Acq: 5 Jun 2024 22:03

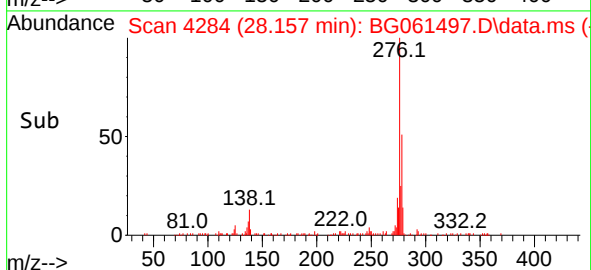
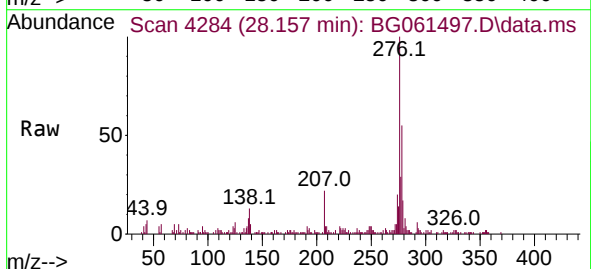
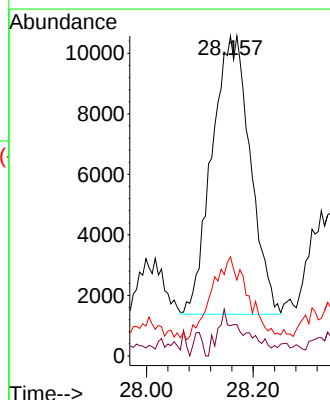
Tgt Ion:278 Resp: 45993

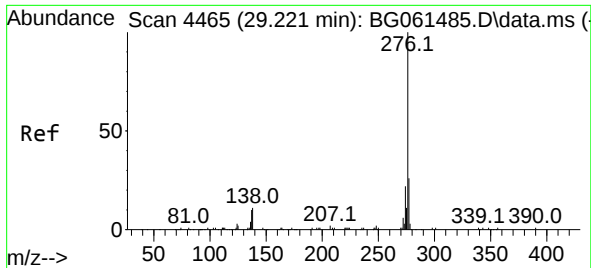
Ion Ratio Lower Upper

278 100

139 9.5 6.4 9.6

279 31.0 19.9 29.9#





#96
 Benzo(g,h,i)perylene
 Concen: 1.713 ng/ul m
 RT: 29.215 min Scan# 44
 Delta R.T. 0.041 min
 Lab File: BG061497.D
 Acq: 5 Jun 2024 22:03

Instrument :
 BNA_G
 ClientSampleId :
 BHBQ8

Tgt Ion:	276	Resp:	2120
Ion Ratio	Lower	Upper	
276	100		
138	13.6	8.7	13.1
277	22.4	18.2	27.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

