

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061489.D
 Acq On : 5 Jun 2024 16:33
 Operator : MA/JU
 Sample : P2623-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBR2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 17:13:30 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	7.877	152	28330	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	104087	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	83569	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	190490	20.000	ng/u1	0.00
79) Chrysene-d12	21.525	240	208243	20.000	ng/u1	0.01
88) Perylene-d12	24.616	264	241121	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	1818	3.591	ng/uL	0.00
4) Pyridine-d5	3.746	84	10698	5.940	ng/u1	0.00
7) Phenol-d5	7.066	99	44881	19.291	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.201	67	29861	20.421	ng/u1	0.00
11) 2-Chlorophenol-d4	7.412	132	39034	22.671	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	34201	17.240	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	21080	26.304	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	21745	23.185	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	40221	21.997	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	21895	9.153	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	145415	22.436	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	157101	23.315	ng/u1	0.00
54) 4-Nitrophenol-d4	14.768	143	12301	15.351	ng/u1	0.03
60) Fluorene-d10	15.509	176	128547	22.972	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	17517	15.204	ng/u1	0.02
73) Anthracene-d10	17.365	188	214524	25.544	ng/u1	0.00
81) Pyrene-d10	19.657	212	235739	22.047	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.404	264	208602	17.995	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.720	128	22123	4.027	ng/u1#	96
36) 2-Methylnaphthalene	12.330	142	12001	3.012	ng/u1	96
37) 1-Methylnaphthalene	12.547	142	11675	2.855	ng/u1	100
52) Acenaphthene	14.575	153	37877	7.727	ng/u1	97
56) Dibenzofuran	14.909	168	51086	7.289	ng/u1	92
61) Fluorene	15.562	166	44444	7.329	ng/u1#	98
72) Phenanthrene	17.313	178	1191577	128.881	ng/u1	98
74) Anthracene	17.401	178	227393	23.787	ng/u1	99
77) Carbazole	17.671	167	119950	15.427	ng/u1	100
78) Di-n-butylphthalate	18.223	149	36373	3.733	ng/u1	96
80) Fluoranthene	19.334	202	2011266	156.801	ng/u1	99
82) Pyrene	19.692	202	1438186	108.018	ng/u1	99
83) Butylbenzylphthalate	20.573	149	5582	1.220	ng/u1#	92
85) Benzo(a)anthracene	21.508	228	1077750	75.006	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.408	149	34854m	5.148	ng/u1	
87) Chrysene	21.572	228	975246	73.711	ng/u1	96
90) Benzo(b)fluoranthene	23.658	252	1246384	86.818	ng/u1	100
91) Benzo(k)fluoranthene	23.705	252	452500	31.048	ng/u1	95
93) Benzo(a)pyrene	24.481	252	522675	38.341	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.135	276	386972	23.473	ng/u1	99
95) Dibenzo(a,h)anthracene	28.164	278	133317	9.808	ng/u1#	98
96) Benzo(g,h,i)perylene	29.216	276	53864m	4.107	ng/u1	

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

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

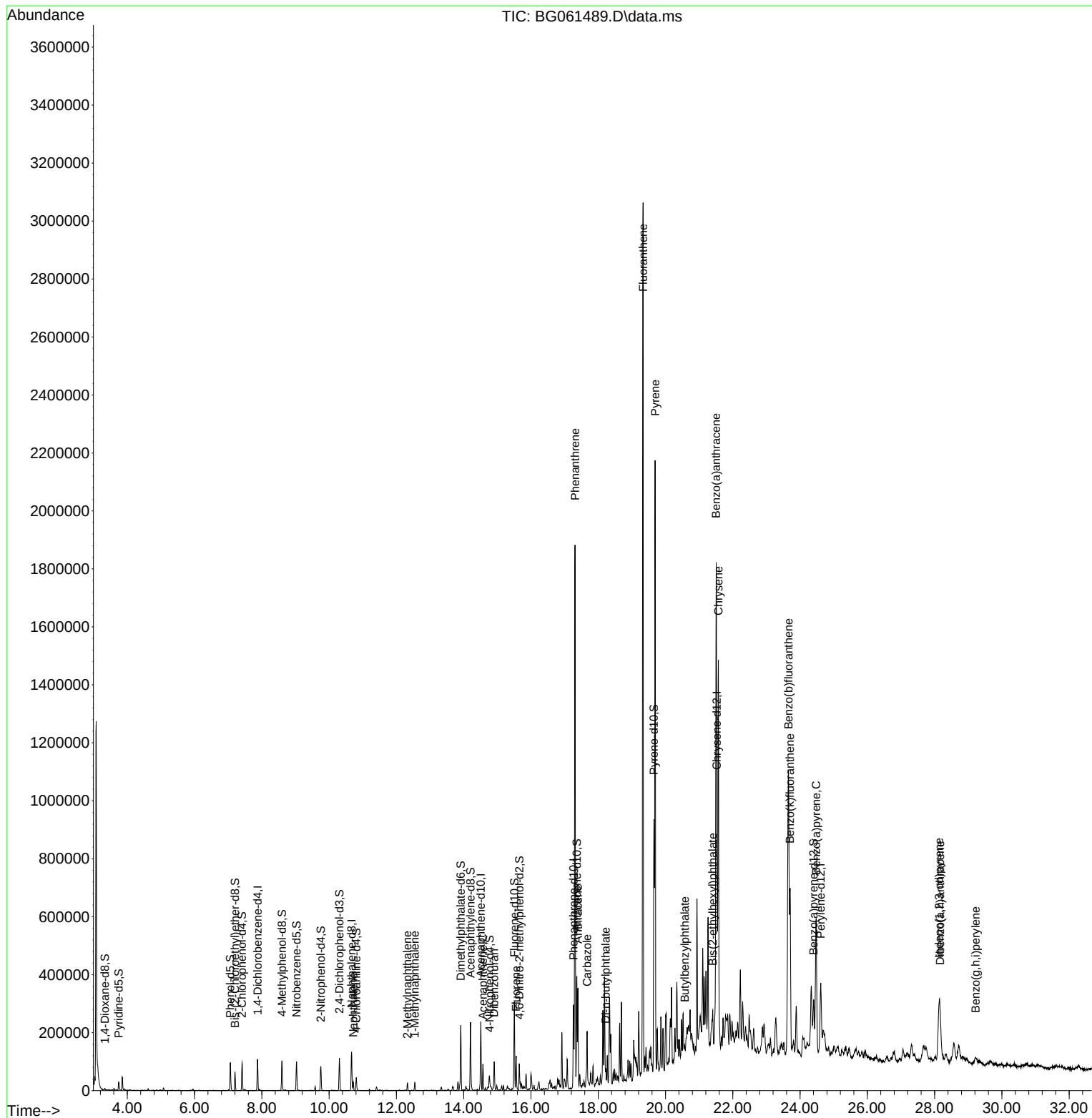
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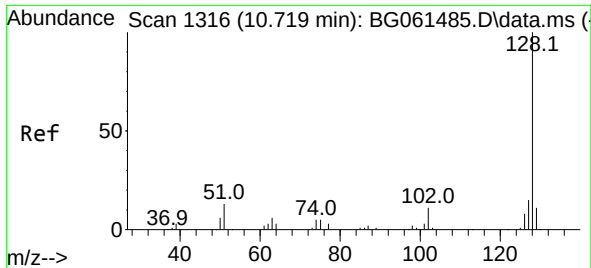
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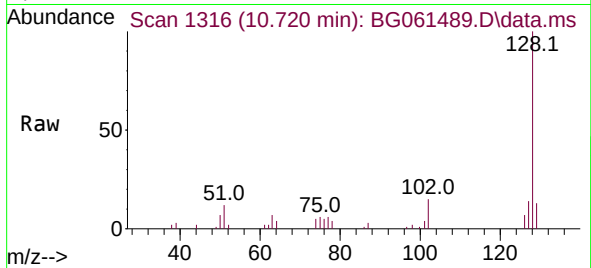
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#30
Naphthalene
Concen: 4.027 ng/ul
RT: 10.720 min Scan# 1316
Delta R.T. 0.001 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33

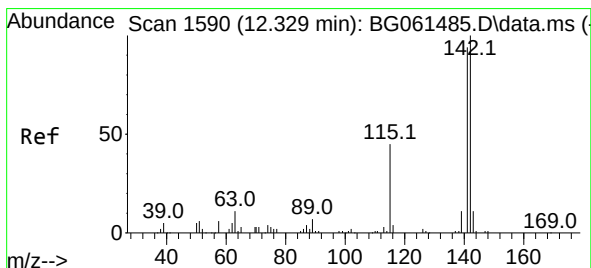
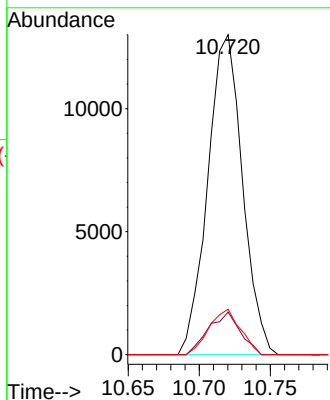
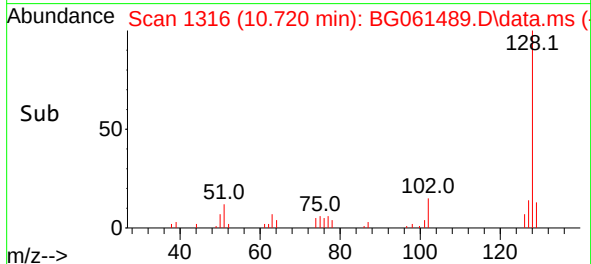
Instrument :
BNA_G
ClientSampleId :
BHBR2



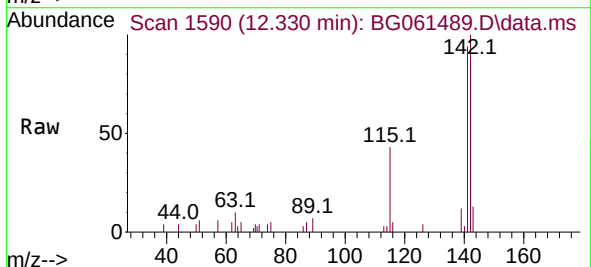
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Ion Ratio Lower Upper
128 100
129 13.3 8.6 12.8
127 14.2 10.8 16.2

Manual Integrations
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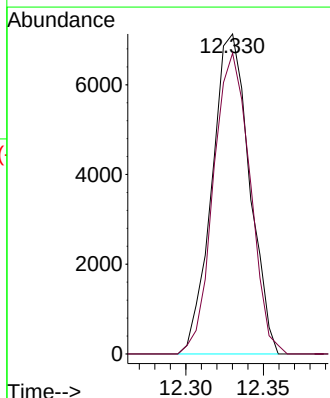
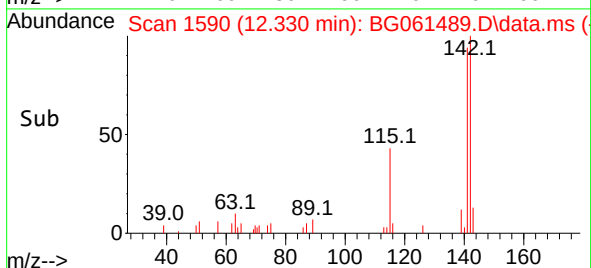
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

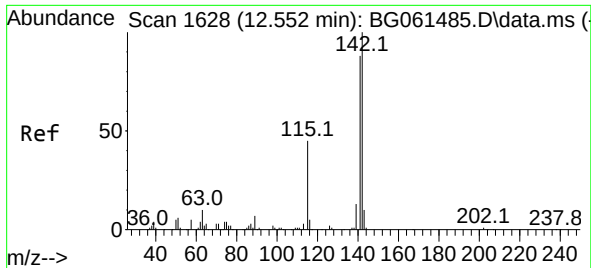


#36
2-Methylnaphthalene
Concen: 3.012 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.001 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33



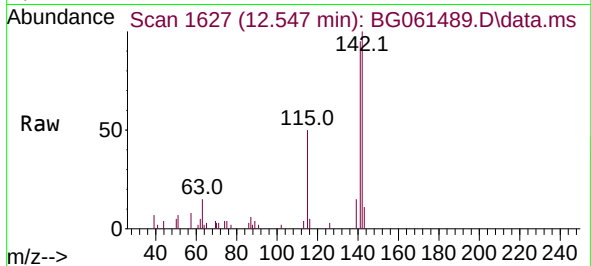
Tgt Ion:142 Resp: 12001
Ion Ratio Lower Upper
142 100
141 94.0 72.2 108.2





#37
1-Methylnaphthalene
Concen: 2.855 ng/ul
RT: 12.547 min Scan# 1167
Delta R.T. 0.001 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33

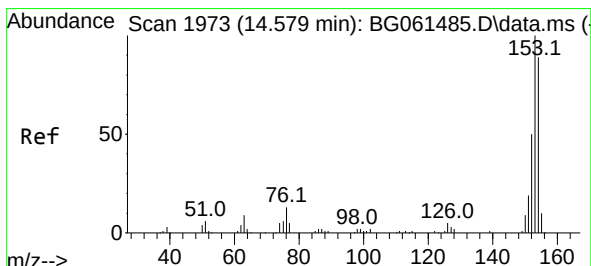
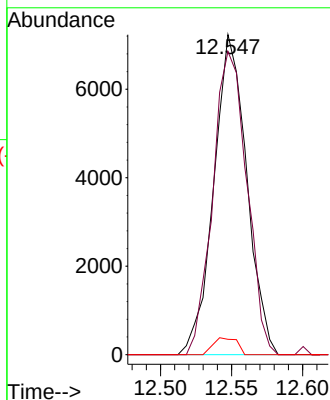
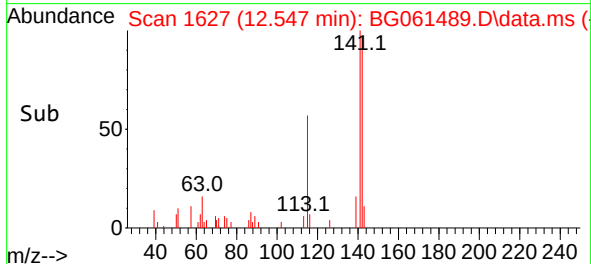
Instrument :
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ClientSampleId :
BHBR2



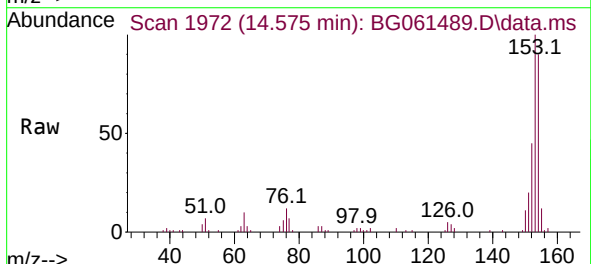
Tgt Ion:142 Resp: 1167
Ion Ratio Lower Upper
142 100
141 94.7 75.5 113.3
116 4.8 4.0 6.0

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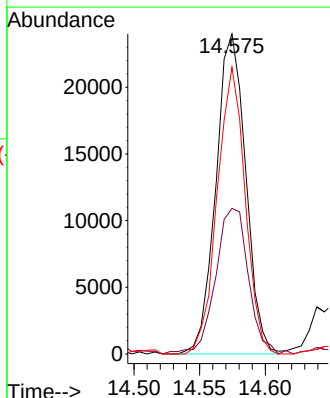
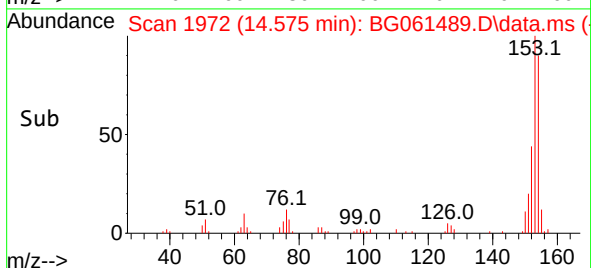
Reviewed By :Jagrut Upadhyay 06/05/2024
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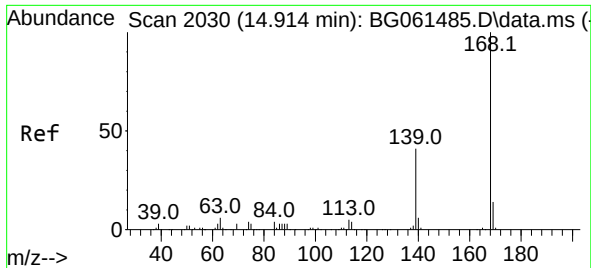


#52
Acenaphthene
Concen: 7.727 ng/ul
RT: 14.575 min Scan# 1972
Delta R.T. 0.001 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33



Tgt Ion:153 Resp: 37877
Ion Ratio Lower Upper
153 100
152 45.5 37.8 56.8
154 89.5 69.0 103.6





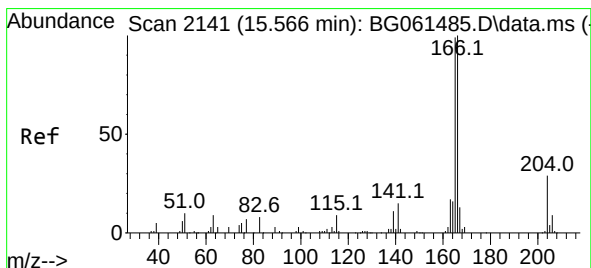
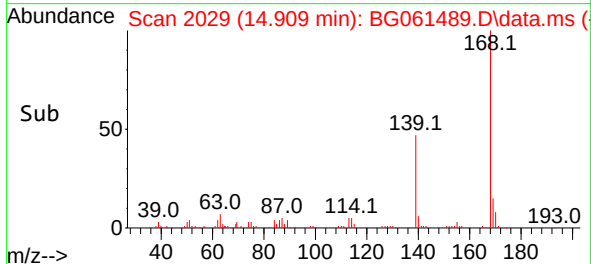
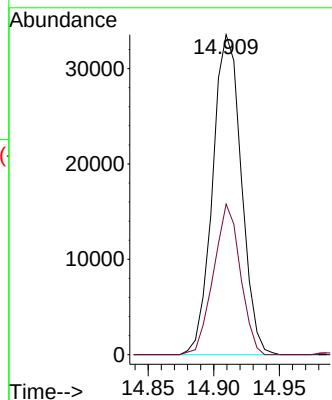
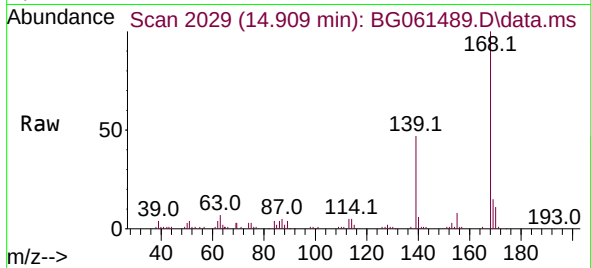
#56
Dibenzo(a,h)anthracene
Concen: 7.289 ng/ul
RT: 14.909 min Scan# 2030
Delta R.T. 0.001 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33

Instrument :
BNA_G
ClientSampleId :
BHBR2

Tgt Ion:168 Resp: 51080
Ion Ratio Lower Upper
168 100
139 47.1 33.4 50.2

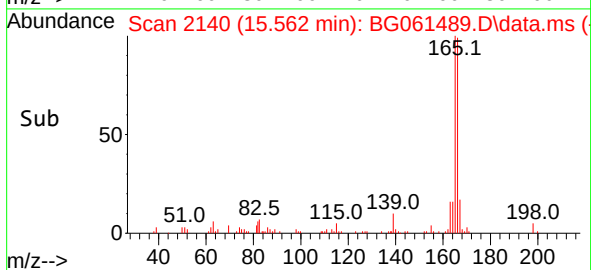
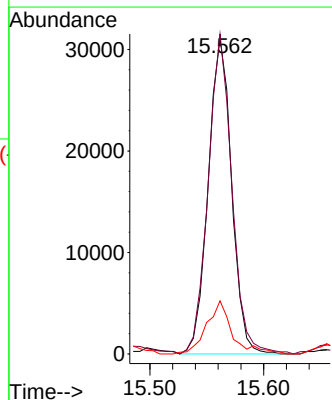
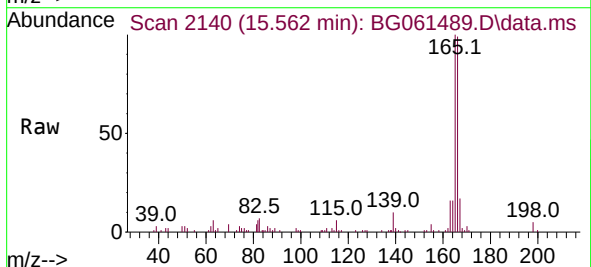
Manual Integrations
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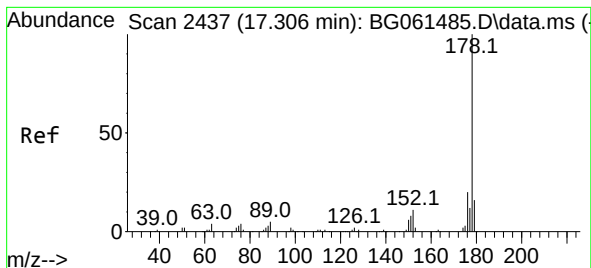
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#61
Fluorene
Concen: 7.329 ng/ul
RT: 15.562 min Scan# 2140
Delta R.T. 0.001 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33

Tgt Ion:166 Resp: 44444
Ion Ratio Lower Upper
166 100
165 101.5 81.8 122.8
167 16.8 10.6 16.0#





#72

Phenanthrene

Concen: 128.881 ng/u1

RT: 17.313 min Scan# 2438

Delta R.T. 0.013 min

Lab File: BG061489.D

Acq: 5 Jun 2024 16:33

Instrument :

BNA_G

ClientSampleId :

BHBR2

Tgt Ion:178 Resp: 119157

Ion Ratio Lower Upper

178 100

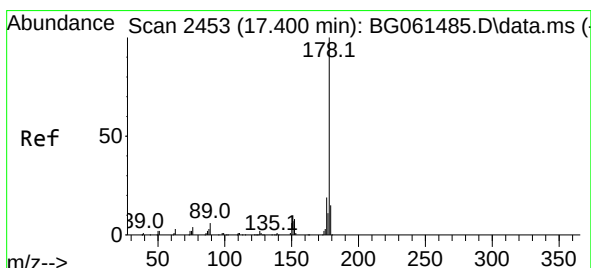
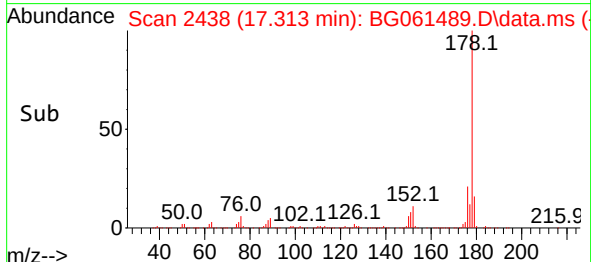
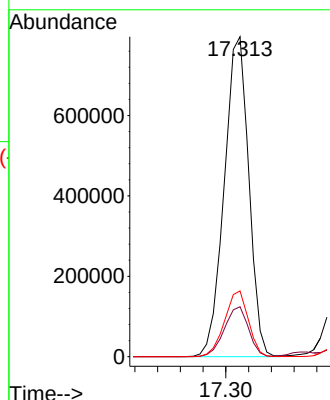
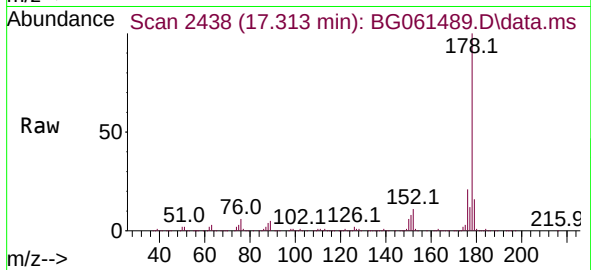
179 15.6 12.7 19.1

176 20.6 15.5 23.3

Manual Integrations

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#74

Anthracene

Concen: 23.787 ng/u1

RT: 17.401 min Scan# 2453

Delta R.T. 0.007 min

Lab File: BG061489.D

Acq: 5 Jun 2024 16:33

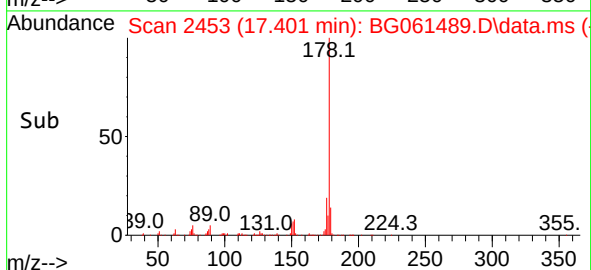
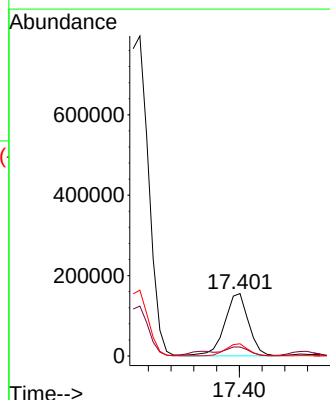
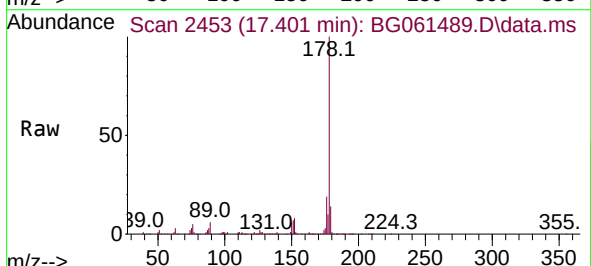
Tgt Ion:178 Resp: 227393

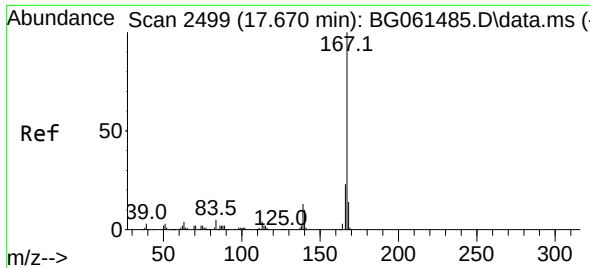
Ion Ratio Lower Upper

178 100

179 14.3 11.8 17.6

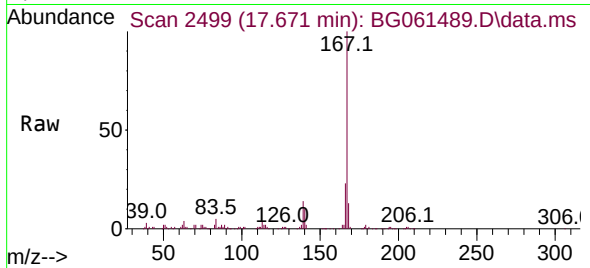
176 19.4 14.9 22.3





#77
 Carbazole
 Concen: 15.427 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.007 min
 Lab File: BG061489.D
 Acq: 5 Jun 2024 16:33

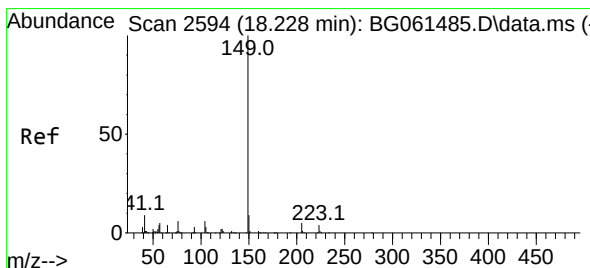
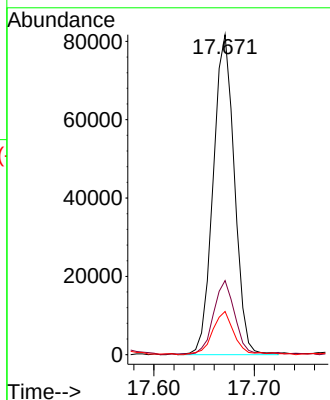
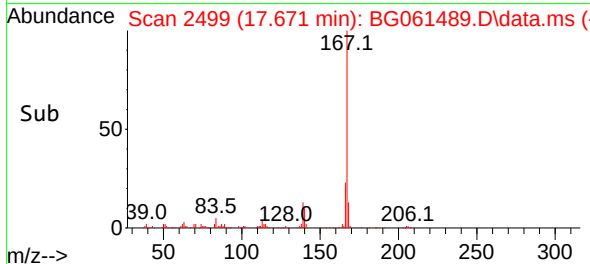
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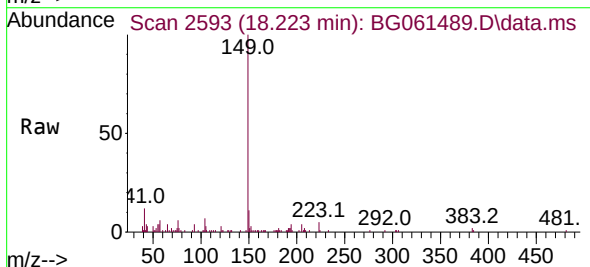
Tgt Ion:167 Resp: 119950
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.6 28.0
 139 13.5 10.6 15.8

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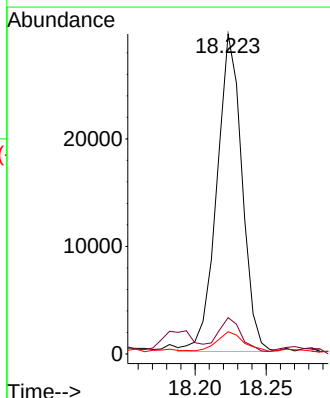
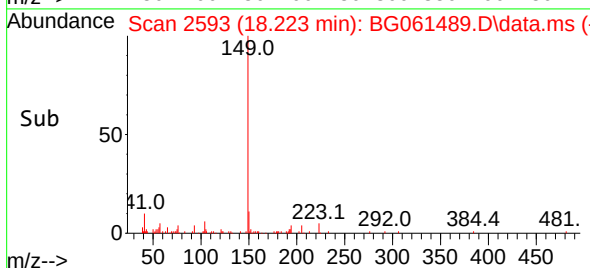
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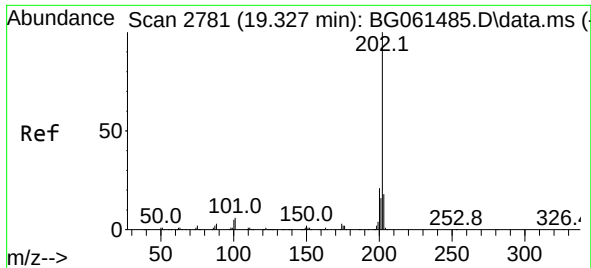


#78
 Di-n-butylphthalate
 Concen: 3.733 ng/ul
 RT: 18.223 min Scan# 2593
 Delta R.T. 0.001 min
 Lab File: BG061489.D
 Acq: 5 Jun 2024 16:33



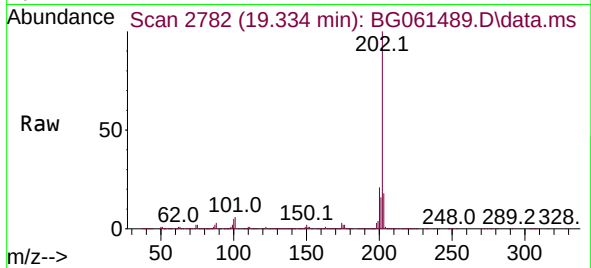
Tgt Ion:149 Resp: 36373
 Ion Ratio Lower Upper
 149 100
 150 11.3 7.8 11.8
 104 6.9 4.8 7.2





#80
Fluoranthene
Concen: 156.801 ng/u1
RT: 19.334 min Scan# 2781
Delta R.T. 0.019 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33

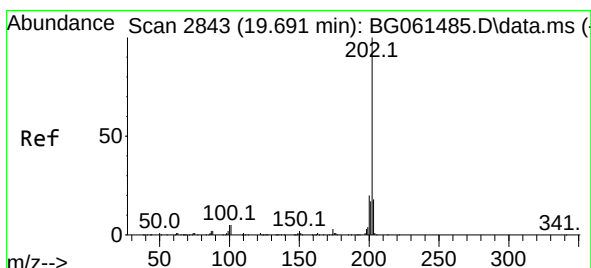
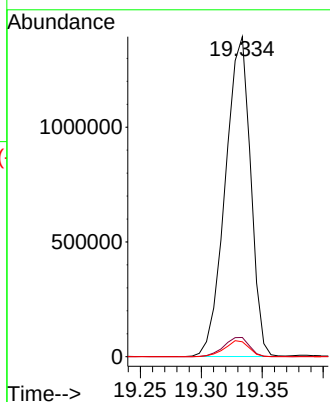
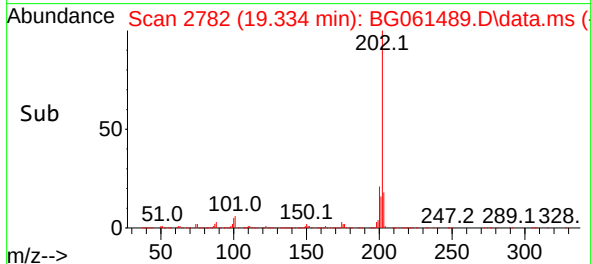
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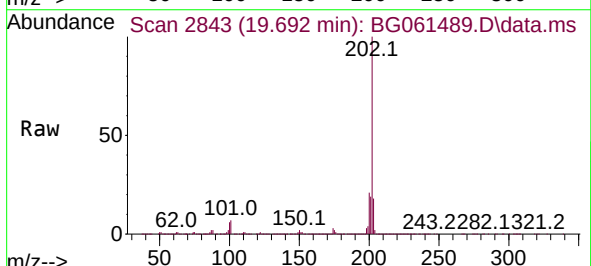
Tgt Ion:202 Resp: 2011260
Ion Ratio Lower Upper
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101 6.0 4.8 7.2
100 4.7 4.1 6.1

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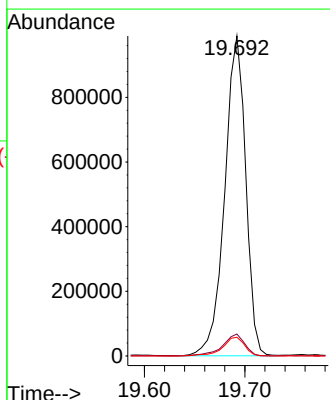
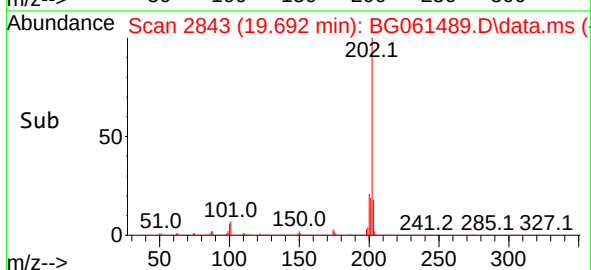
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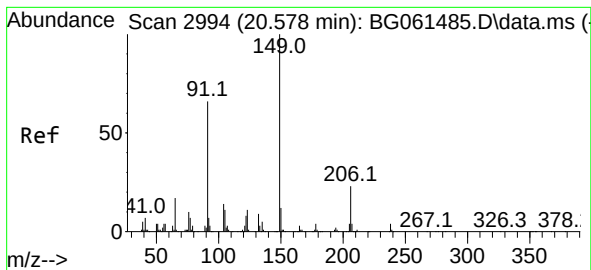


#82
Pyrene
Concen: 108.018 ng/u1
RT: 19.692 min Scan# 2843
Delta R.T. 0.013 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33



Tgt Ion:202 Resp: 1438186
Ion Ratio Lower Upper
202 100
101 6.8 5.7 8.5
100 5.9 5.1 7.7





#83

Butylbenzylphthalate

Concen: 1.220 ng/ul

RT: 20.573 min Scan# 2994

Delta R.T. 0.001 min

Lab File: BG061489.D

Acq: 5 Jun 2024 16:33

Instrument :

BNA_G

ClientSampleId :

BHBR2

Tgt Ion:149 Resp: 558

Ion Ratio Lower Upper

149 100

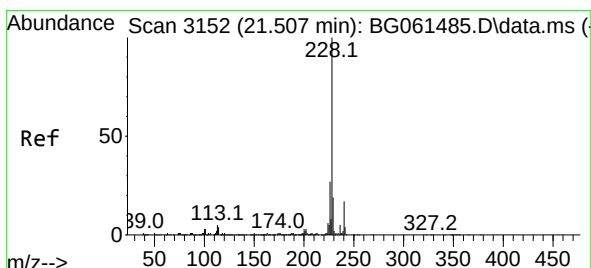
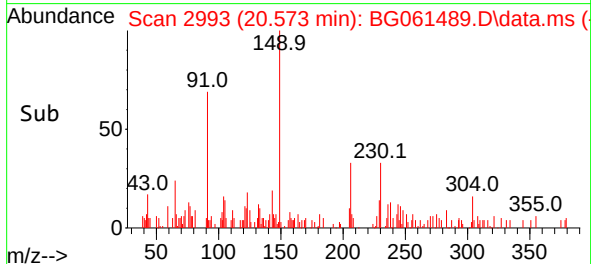
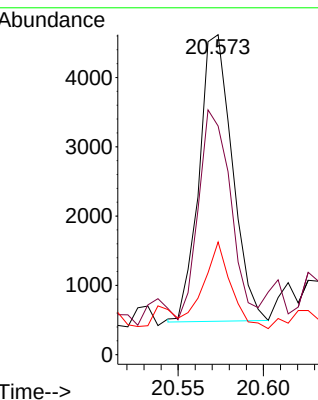
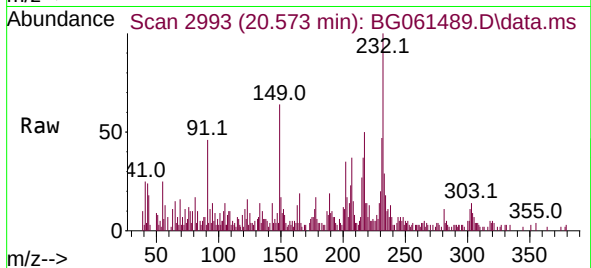
91 71.4 54.8 82.2

206 35.2 19.4 29.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#85

Benzo(a)anthracene

Concen: 75.006 ng/ul

RT: 21.508 min Scan# 3152

Delta R.T. 0.013 min

Lab File: BG061489.D

Acq: 5 Jun 2024 16:33

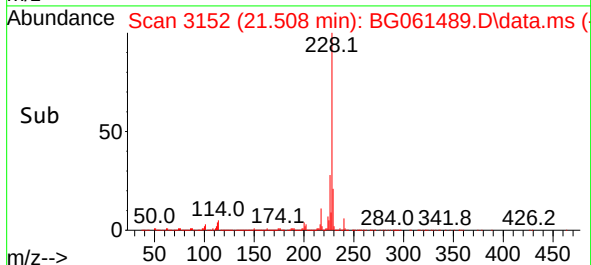
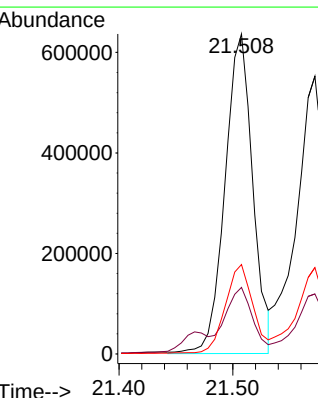
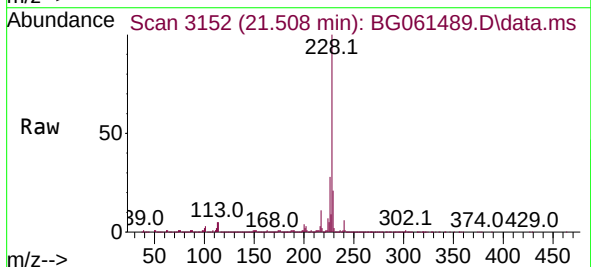
Tgt Ion:228 Resp: 1077750

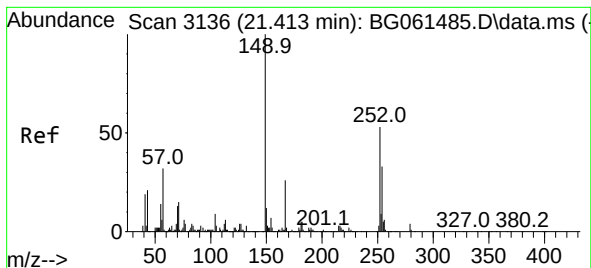
Ion Ratio Lower Upper

228 100

229 20.8 15.2 22.8

226 27.9 21.4 32.2





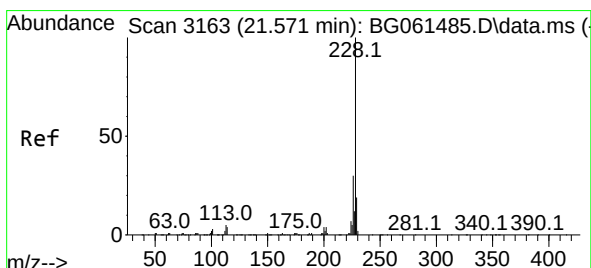
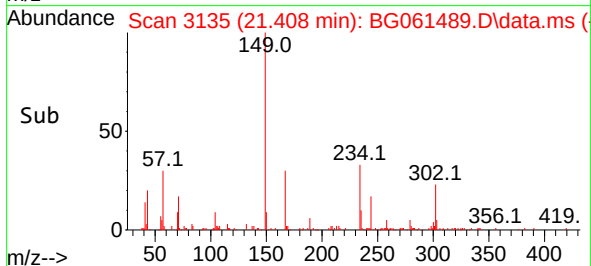
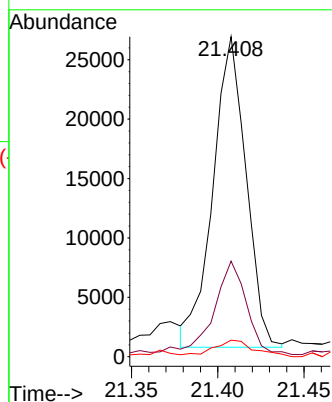
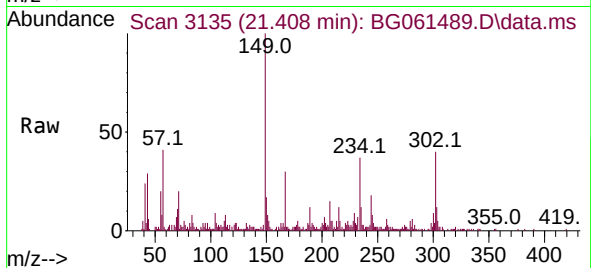
#86
 Bis(2-ethylhexyl)phthalate
 Concen: 5.148 ng/ul m
 RT: 21.408 min Scan# 3135
 Delta R.T. 0.001 min
 Lab File: BG061489.D
 Acq: 5 Jun 2024 16:33

Instrument :
 BNA_G
 ClientSampleId :
 BHBR2

Tgt Ion:149 Resp: 34854
 Ion Ratio Lower Upper
 149 100
 167 29.9 21.1 31.7
 279 5.2 3.3 4.9

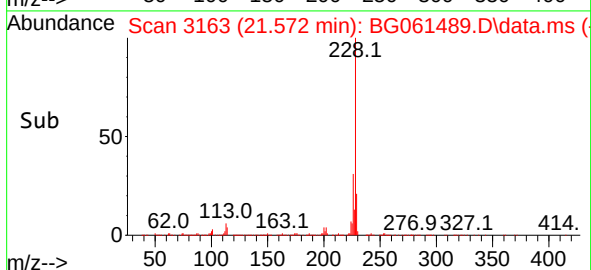
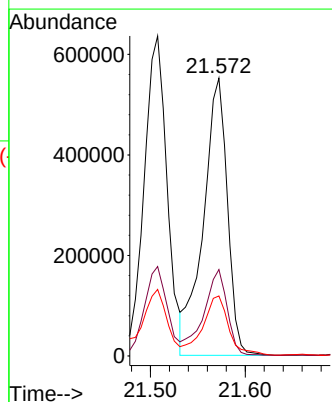
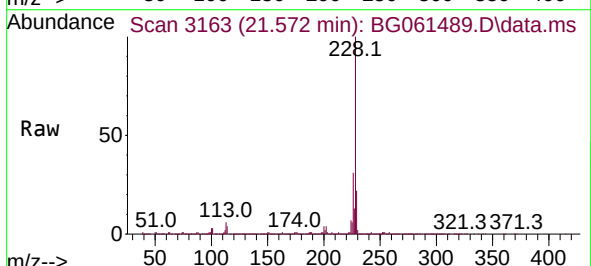
Manual Integrations
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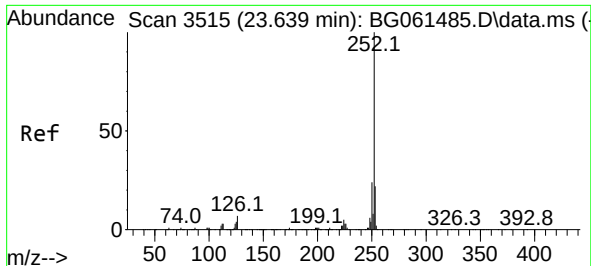
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#87
 Chrysene
 Concen: 73.711 ng/ul
 RT: 21.572 min Scan# 3163
 Delta R.T. 0.019 min
 Lab File: BG061489.D
 Acq: 5 Jun 2024 16:33

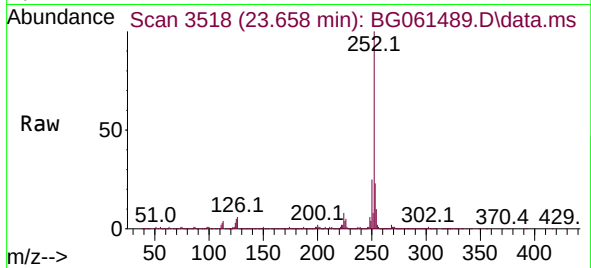
Tgt Ion:228 Resp: 975246
 Ion Ratio Lower Upper
 228 100
 226 31.1 23.4 35.0
 229 21.6 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 86.818 ng/ul
RT: 23.658 min Scan# 3515
Delta R.T. 0.043 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33

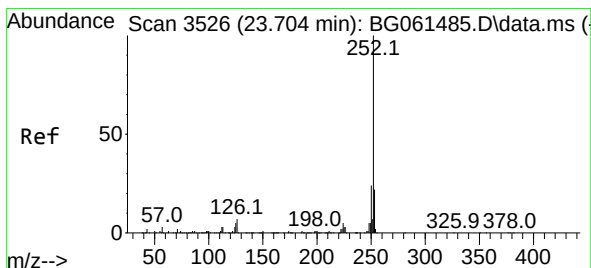
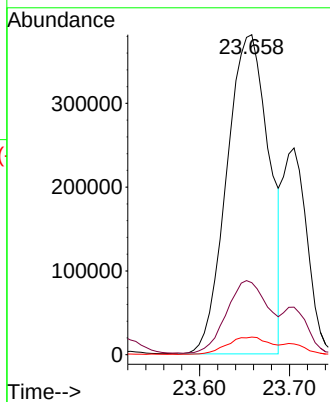
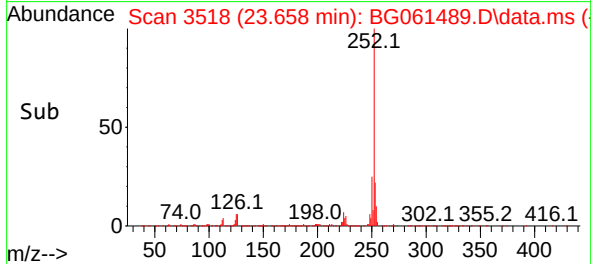
Instrument :
BNA_G
ClientSampleId :
BHBR2



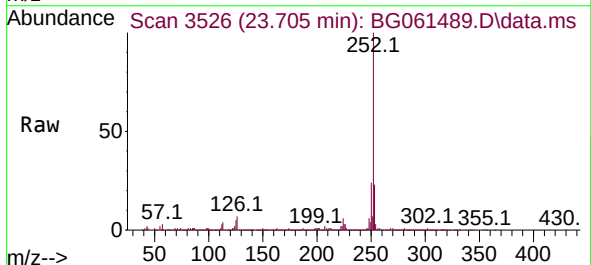
Tgt Ion:252 Resp: 1246384
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 5.5 4.6 6.8

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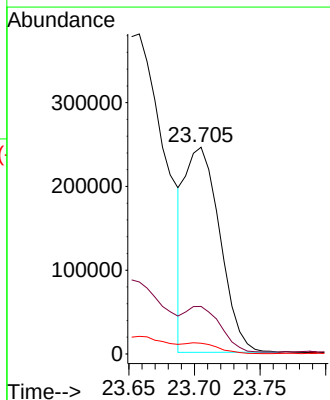
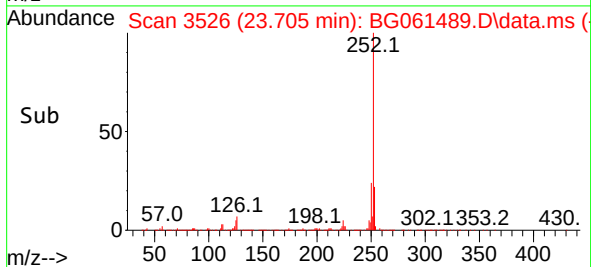
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

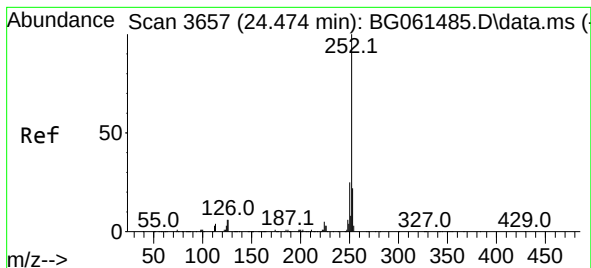


#91
Benzo(k)fluoranthene
Concen: 31.048 ng/ul
RT: 23.705 min Scan# 3526
Delta R.T. 0.025 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33



Tgt Ion:252 Resp: 452500
Ion Ratio Lower Upper
252 100
253 23.0 16.0 24.0
125 5.2 4.3 6.5





#93

Benzo(a)pyrene

Concen: 38.341 ng/ul

RT: 24.481 min Scan# 3

Delta R.T. 0.031 min

Lab File: BG061489.D

Acq: 5 Jun 2024 16:33

Instrument :

BNA_G

ClientSampleId :

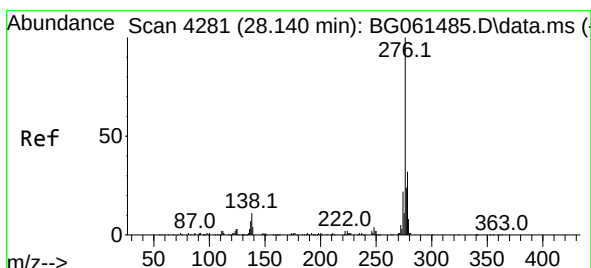
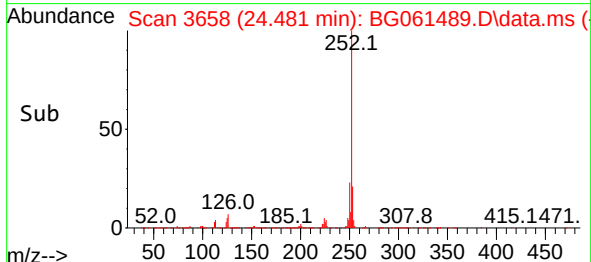
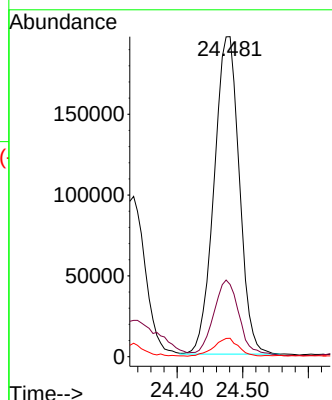
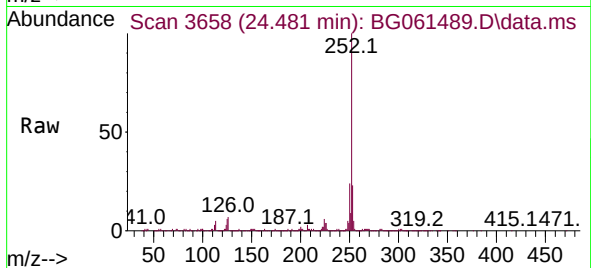
BHBR2

Tgt Ion:252 Resp: 522679
 Ion Ratio Lower Upper
 252 100
 253 22.5 16.4 24.6
 125 5.7 4.3 6.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 23.473 ng/ul

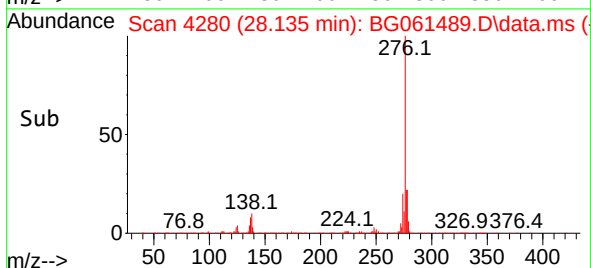
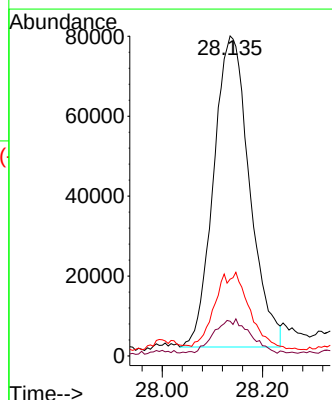
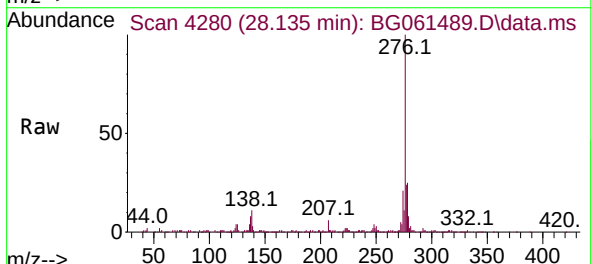
RT: 28.135 min Scan# 4280

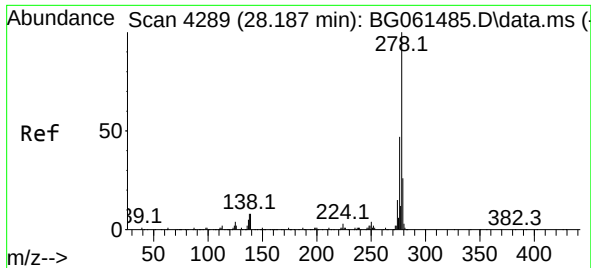
Delta R.T. 0.043 min

Lab File: BG061489.D

Acq: 5 Jun 2024 16:33

Tgt Ion:276 Resp: 386972
 Ion Ratio Lower Upper
 276 100
 138 10.8 8.6 13.0
 277 24.0 19.7 29.5





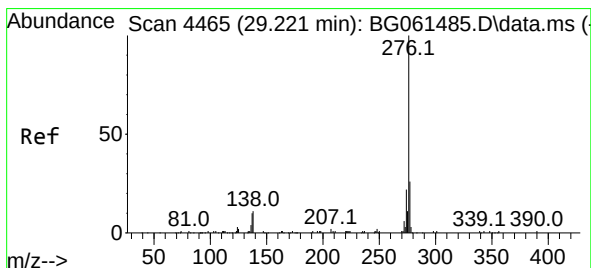
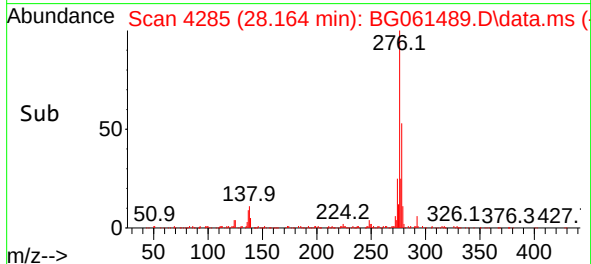
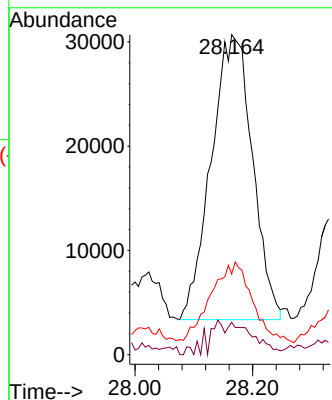
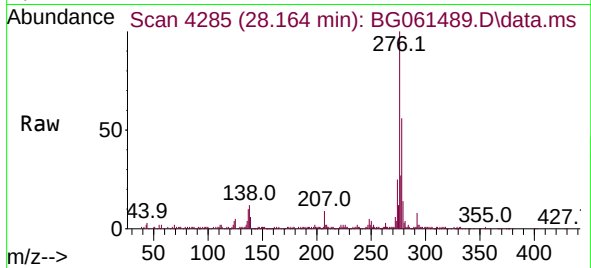
#95
Dibenzo(a,h)anthracene
Concen: 9.808 ng/ul
RT: 28.164 min Scan# 4285
Delta R.T. 0.025 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33

Instrument :
BNA_G
ClientSampleId :
BHBR2

Tgt Ion:278 Resp: 13331
Ion Ratio Lower Upper
278 100
139 10.1 6.4 9.6
279 25.2 19.9 29.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#96
Benzo(g,h,i)perylene
Concen: 4.107 ng/ul m
RT: 29.216 min Scan# 4464
Delta R.T. 0.042 min
Lab File: BG061489.D
Acq: 5 Jun 2024 16:33

Tgt Ion:276 Resp: 53864
Ion Ratio Lower Upper
276 100
138 13.7 8.7 13.1#
277 27.2 18.2 27.2

