

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060624\
 Data File : BG061527.D
 Acq On : 7 Jun 2024 2:39
 Operator : MA/JU
 Sample : P2634-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBV2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

Quant Time: Jun 07 03:34:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.882	152	32492	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	116387	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.509	164	80943	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.259	188	180051	20.000	ng/u1	0.00
79) Chrysene-d12	21.524	240	200997	20.000	ng/u1	0.00
88) Perylene-d12	24.621	264	231503	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	2156m	3.713	ng/uL	0.03
4) Pyridine-d5	3.781	84	17948	8.689	ng/u1	0.01
7) Phenol-d5	7.071	99	50541	18.942	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.212	67	29833	17.788	ng/u1	0.00
11) 2-Chlorophenol-d4	7.423	132	42177	21.358	ng/u1	0.00
15) 4-Methylphenol-d8	8.604	113	41413	18.202	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	20787	23.197	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	23923	22.811	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	48568	23.755	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	19712	7.369	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	145079	23.110	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	157233	24.091	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	16211m	20.887	ng/u1	0.00
60) Fluorene-d10	15.508	176	124012	22.881	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	6394	5.872	ng/u1	0.00
73) Anthracene-d10	17.359	188	206489	26.013	ng/u1	0.00
81) Pyrene-d10	19.656	212	232264	22.506	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.415	264	205296	18.446	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.719	128	8644	1.407	ng/u1#	96
36) 2-Methylnaphthalene	12.335	142	4976	1.117	ng/u1	92
37) 1-Methylnaphthalene	12.547	142	5479	1.198	ng/u1	96
50) Acenaphthylene	14.233	152	27022	3.734	ng/u1	97
52) Acenaphthene	14.574	153	25205	5.309	ng/u1	96
56) Dibenzofuran	14.909	168	10697	1.576	ng/u1	99
61) Fluorene	15.561	166	23114	3.935	ng/u1	93
72) Phenanthrene	17.306	178	607815	69.553	ng/u1	99
74) Anthracene	17.394	178	90366	10.001	ng/u1	98
77) Carbazole	17.670	167	54285	7.386	ng/u1	99
80) Fluoranthene	19.333	202	1828906	147.724	ng/u1	99
82) Pyrene	19.691	202	1502556	116.921	ng/u1	99
83) Butylbenzylphthalate	20.573	149	15872	3.595	ng/u1#	94
85) Benzo(a)anthracene	21.507	228	938619	67.678	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.407	149	88221	13.500	ng/u1#	97
87) Chrysene	21.571	228	1015713	79.537	ng/u1	97
90) Benzo(b)fluoranthene	23.657	252	1399286	101.518	ng/u1	98
91) Benzo(k)fluoranthene	23.710	252	470373m	33.616	ng/u1	
93) Benzo(a)pyrene	24.480	252	621937	47.518	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	28.152	276	462546	29.223	ng/u1	100
95) Dibenzo(a,h)anthracene	28.181	278	142375	10.909	ng/u1	96
96) Benzo(g,h,i)perylene	29.239	276	61128m	4.855	ng/u1	

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

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

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

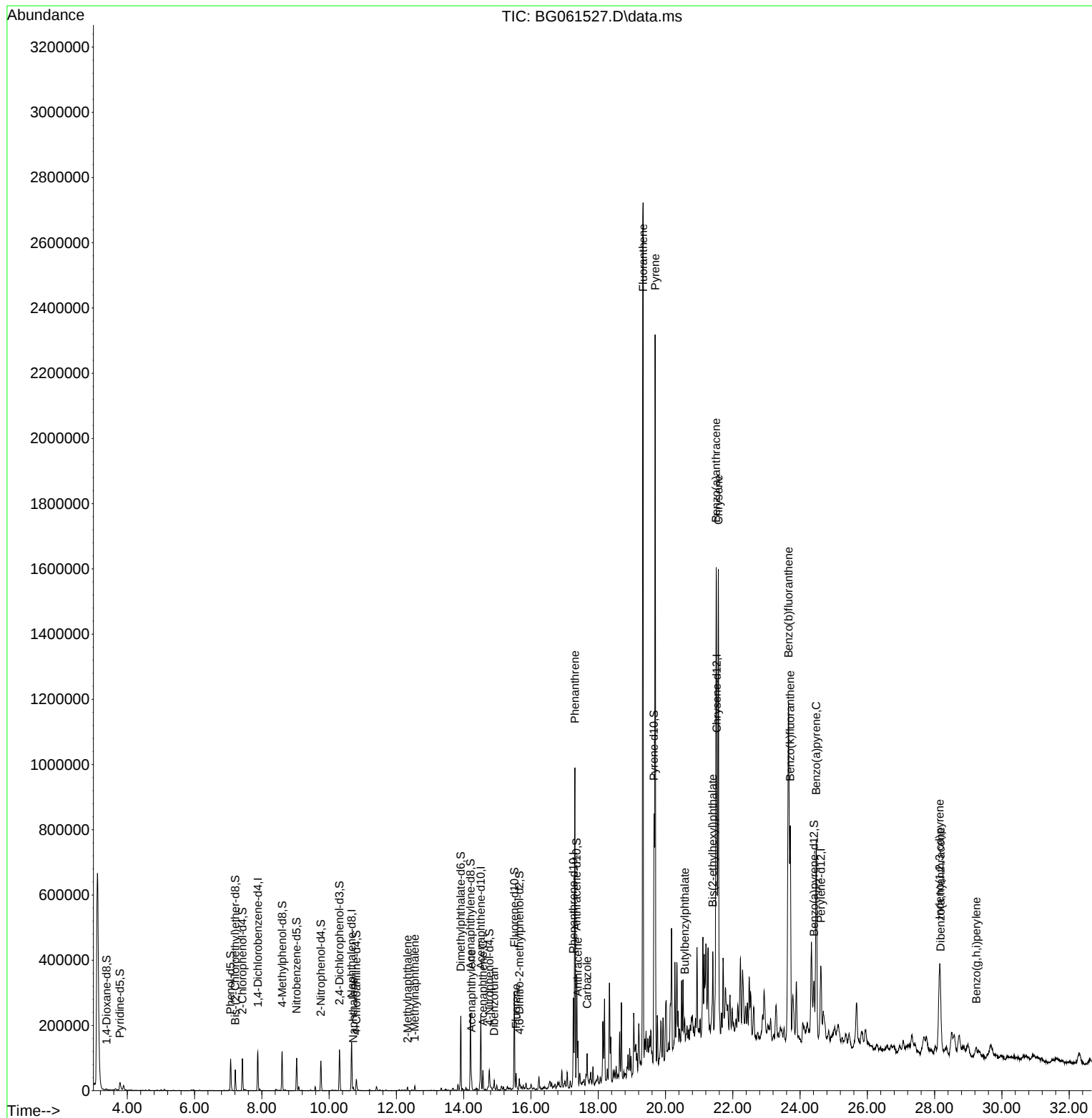
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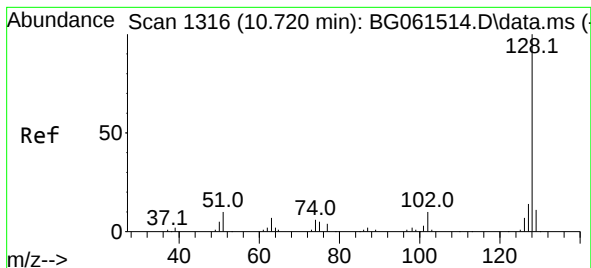
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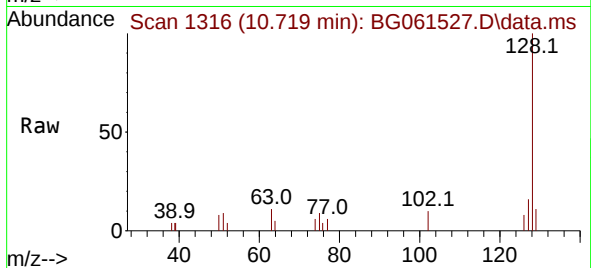
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#30
Naphthalene
Concen: 1.407 ng/ul
RT: 10.719 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39

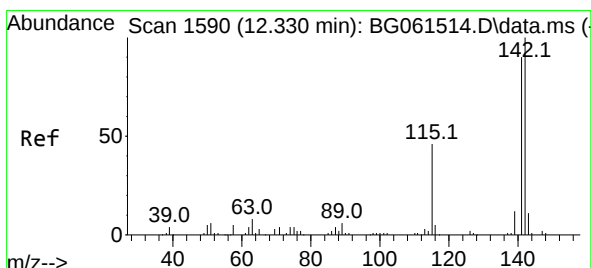
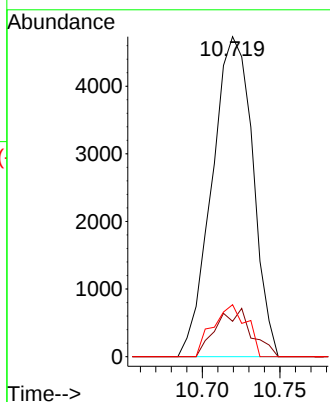
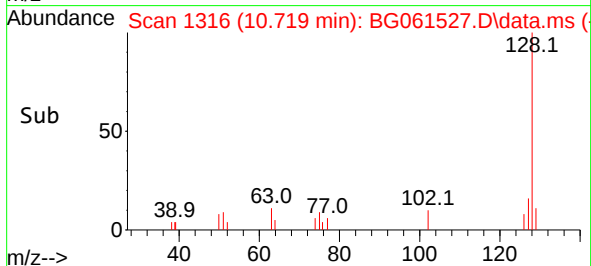
Instrument :
BNA_G
ClientSampleId :
BHBY2



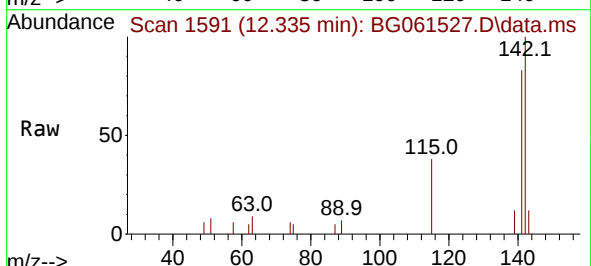
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Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 16.2 10.8 16.2

Manual Integrations
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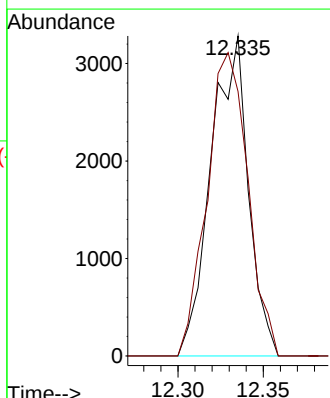
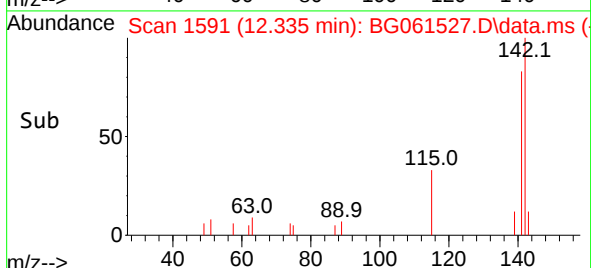
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

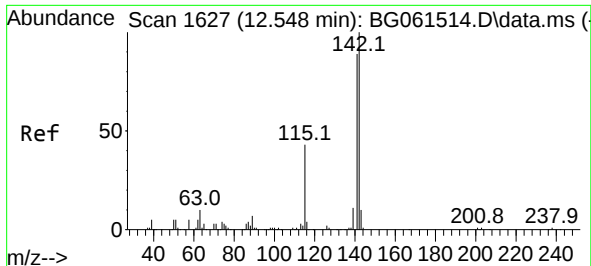


#36
2-Methylnaphthalene
Concen: 1.117 ng/ul
RT: 12.335 min Scan# 1591
Delta R.T. 0.005 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39



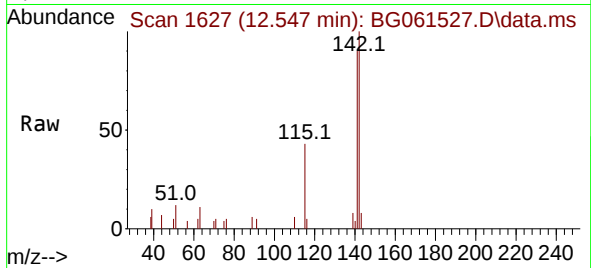
Tgt Ion:142 Resp: 4976
Ion Ratio Lower Upper
142 100
141 82.7 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.198 ng/ul
RT: 12.547 min Scan# 1627
Delta R.T. -0.000 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39

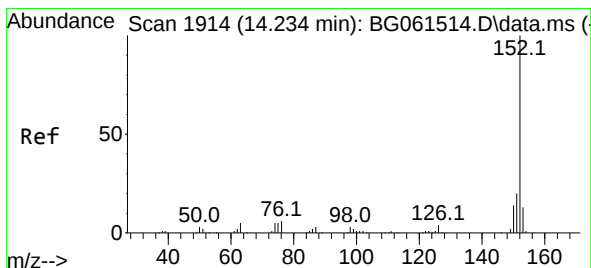
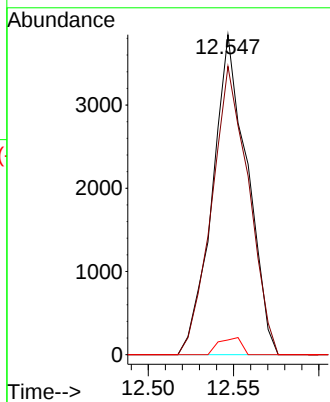
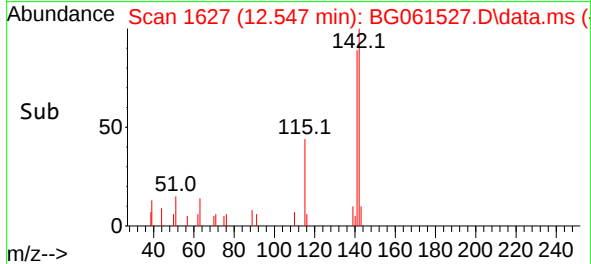
Instrument :
BNA_G
ClientSampleId :
BHY2



Tgt Ion:142 Resp: 5479
Ion Ratio Lower Upper
142 100
141 90.1 75.5 113.3
116 4.6 4.0 6.0

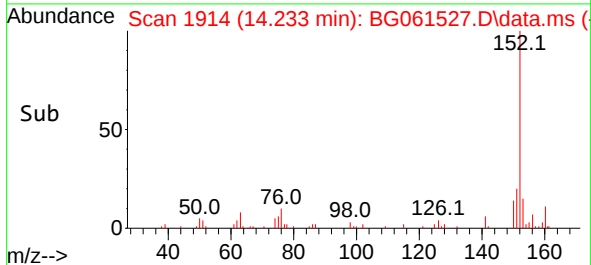
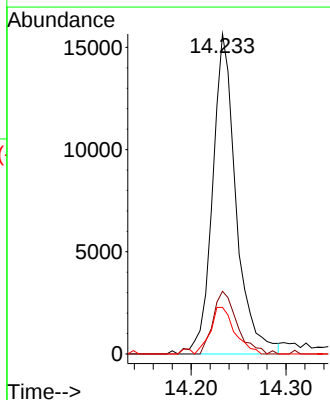
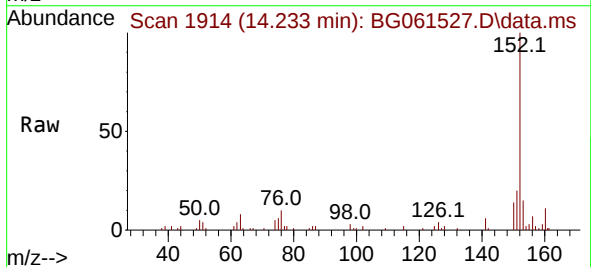
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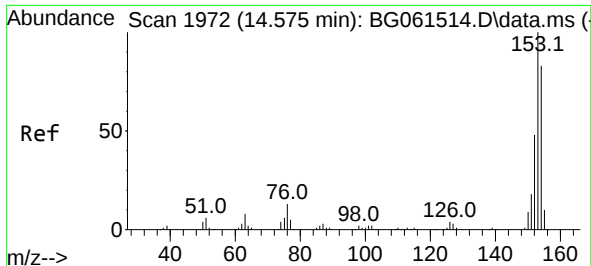
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#50
Acenaphthylene
Concen: 3.734 ng/ul
RT: 14.233 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39

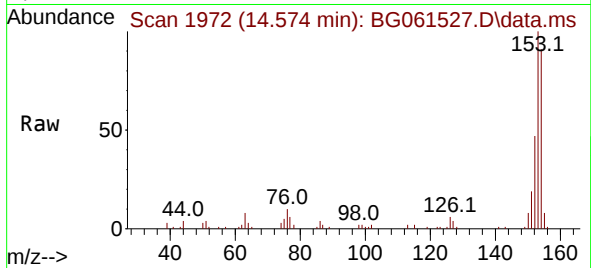
Tgt Ion:152 Resp: 27022
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 14.6 10.2 15.4





#52
Acenaphthene
Concen: 5.309 ng/u1
RT: 14.574 min Scan# 1972
Delta R.T. -0.001 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39

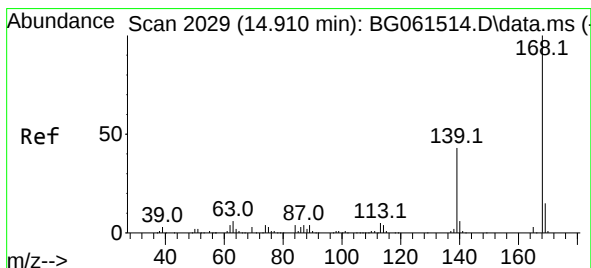
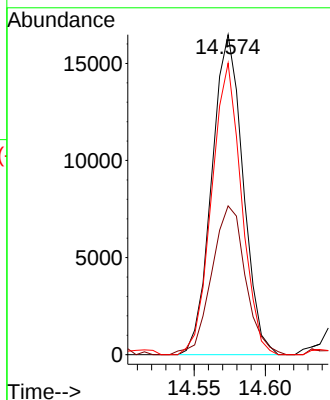
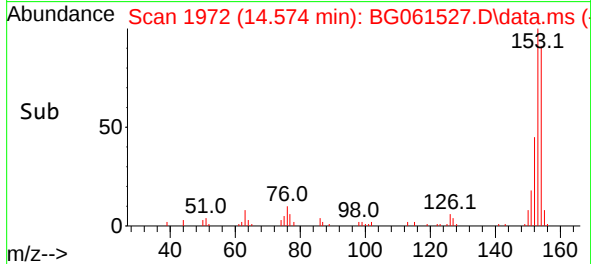
Instrument :
BNA_G
ClientSampleId :
BHY2



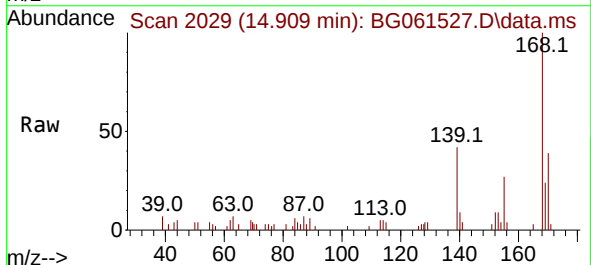
Tgt Ion:153 Resp: 2520
Ion Ratio Lower Upper
153 100
152 46.5 37.8 56.8
154 91.1 69.0 103.6

Manual Integrations
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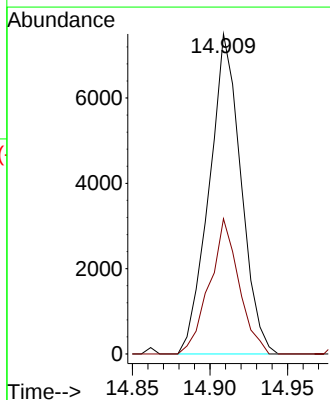
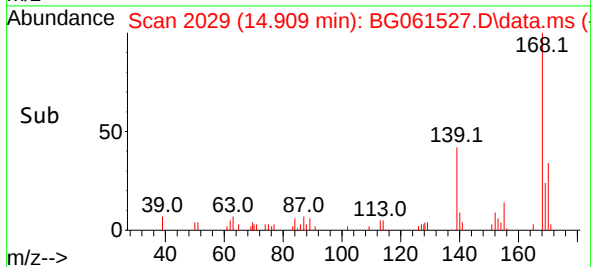
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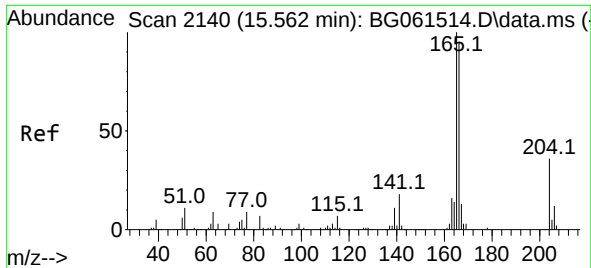


#56
Dibenzofuran
Concen: 1.576 ng/u1
RT: 14.909 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39



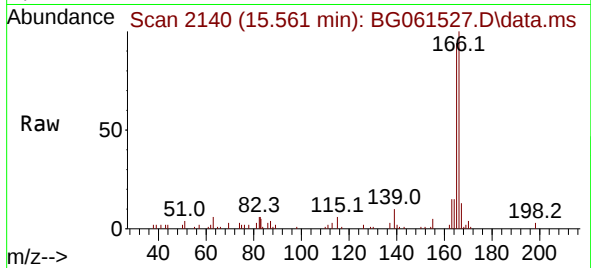
Tgt Ion:168 Resp: 10697
Ion Ratio Lower Upper
168 100
139 42.3 33.4 50.2





#61
Fluorene
Concen: 3.935 ng/ul
RT: 15.561 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39

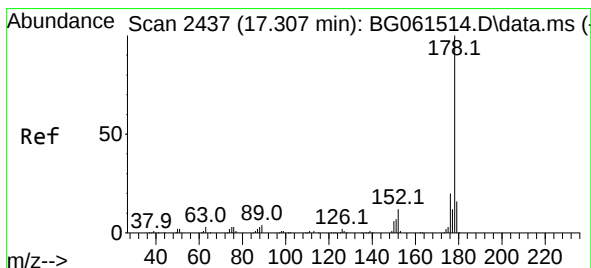
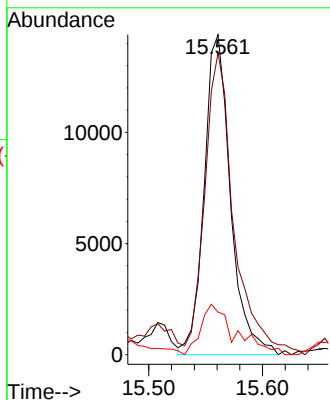
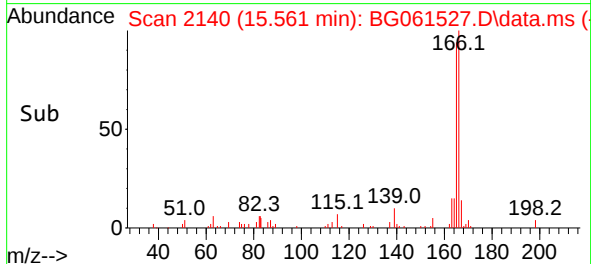
Instrument :
BNA_G
ClientSampleId :
BHY2



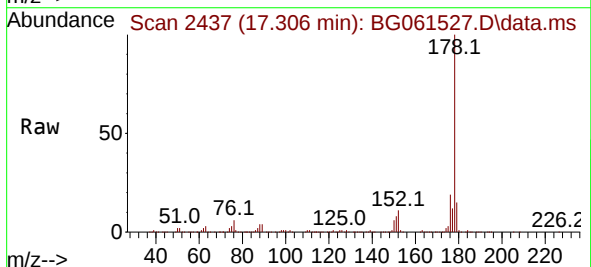
Tgt Ion:166 Resp: 23114
Ion Ratio Lower Upper
166 100
165 94.4 81.8 122.8
167 13.3 10.6 16.0

Manual Integrations
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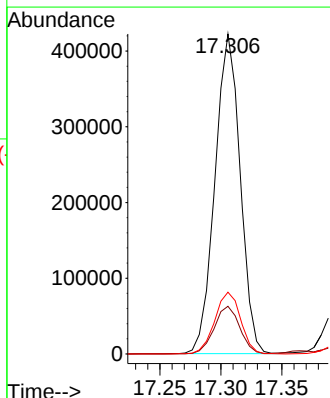
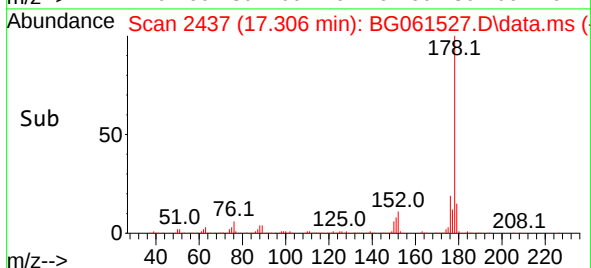
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

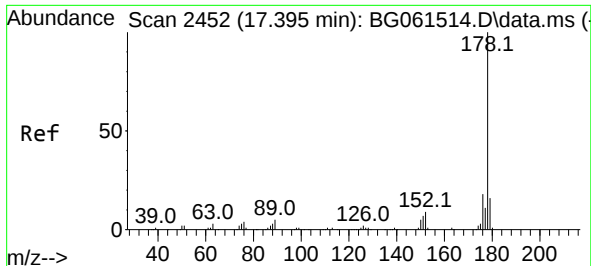


#72
Phenanthrene
Concen: 69.553 ng/ul
RT: 17.306 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39



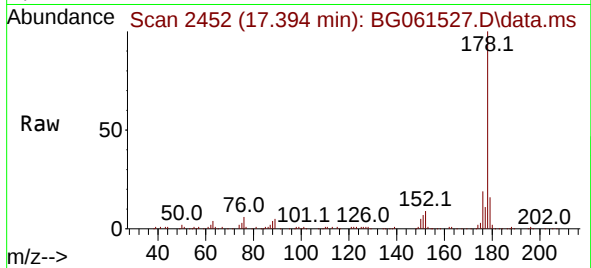
Tgt Ion:178 Resp: 607815
Ion Ratio Lower Upper
178 100
179 14.9 12.7 19.1
176 19.3 15.5 23.3





#74
 Anthracene
 Concen: 10.001 ng/ul
 RT: 17.394 min Scan# 2452
 Delta R.T. -0.001 min
 Lab File: BG061527.D
 Acq: 7 Jun 2024 2:39

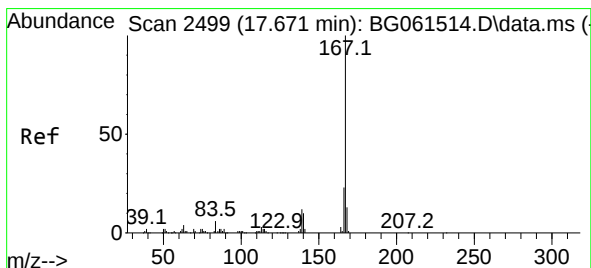
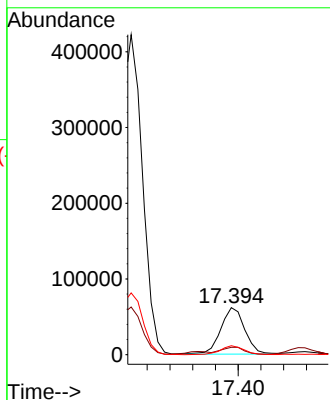
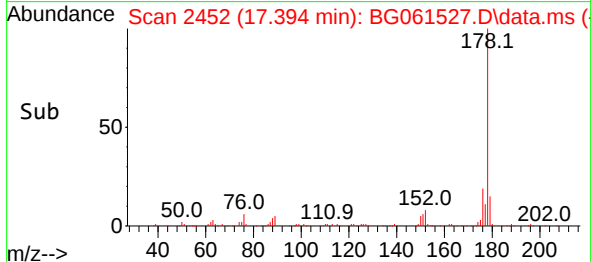
Instrument :
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 Ion Ratio Lower Upper
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 179 15.7 11.8 17.6
 176 19.1 14.9 22.3

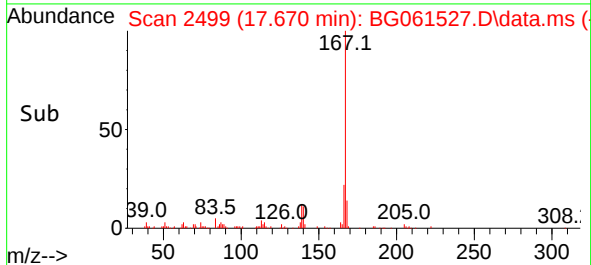
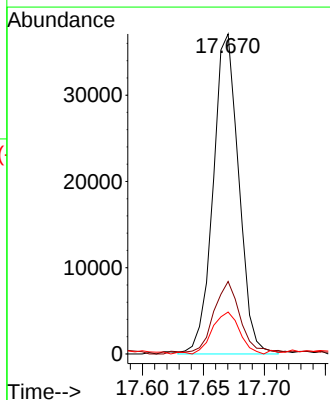
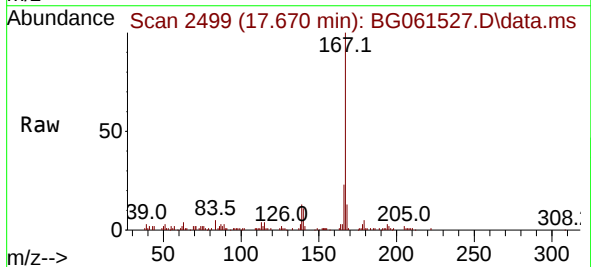
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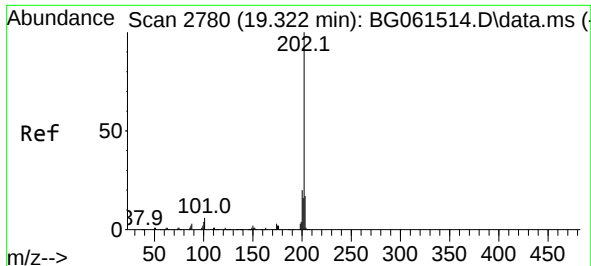
Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024



#77
 Carbazole
 Concen: 7.386 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. -0.000 min
 Lab File: BG061527.D
 Acq: 7 Jun 2024 2:39

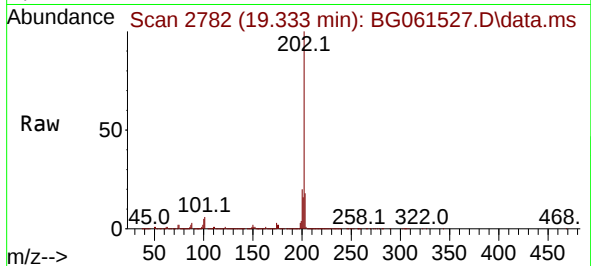
Tgt Ion:167 Resp: 54285
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.6 28.0
 139 13.1 10.6 15.8





#80
Fluoranthene
Concen: 147.724 ng/u1
RT: 19.333 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39

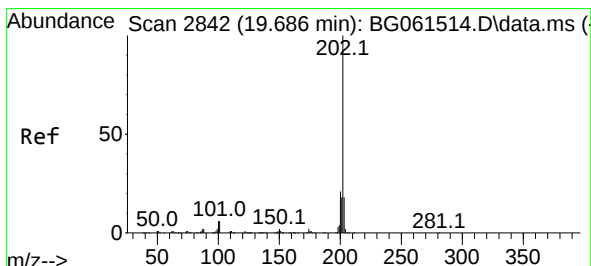
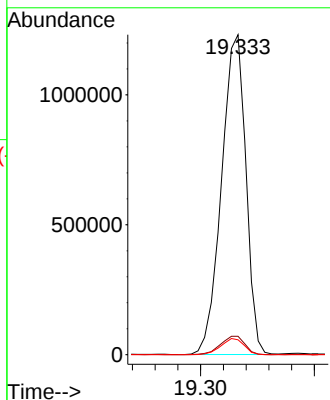
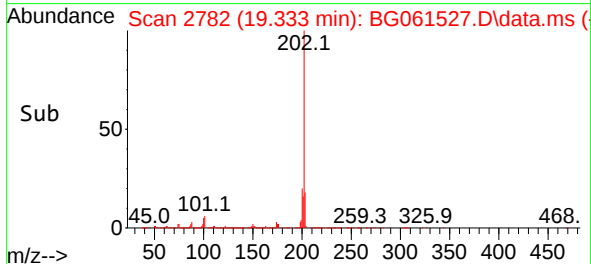
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BNA_G
ClientSampleId :
BHY2



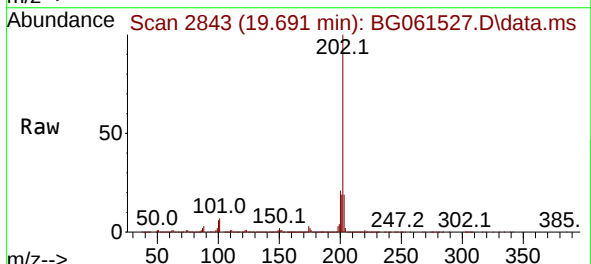
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Ion Ratio Lower Upper
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101 5.8 4.8 7.2
100 4.7 4.1 6.1

Manual Integrations
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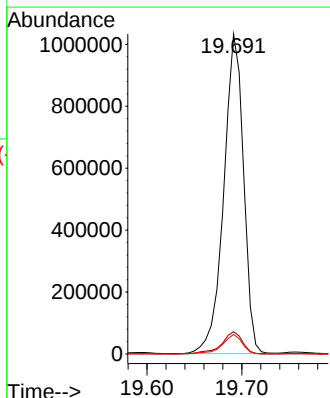
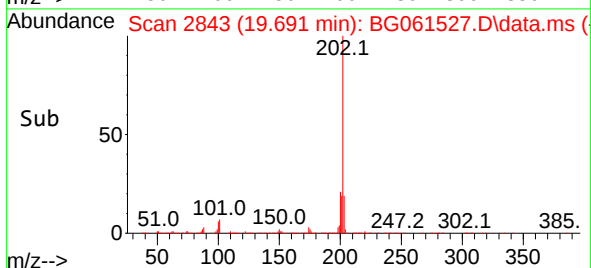
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

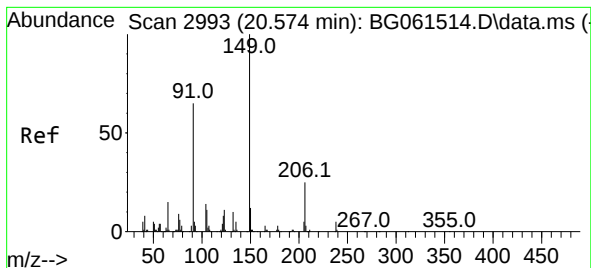


#82
Pyrene
Concen: 116.921 ng/u1
RT: 19.691 min Scan# 2843
Delta R.T. 0.005 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39



Tgt Ion:202 Resp: 1502556
Ion Ratio Lower Upper
202 100
101 6.9 5.7 8.5
100 6.1 5.1 7.7





#83

Butylbenzylphthalate

Concen: 3.595 ng/ul

RT: 20.573 min Scan# 2993

Delta R.T. -0.000 min

Lab File: BG061527.D

Acq: 7 Jun 2024 2:39

Instrument :

BNA_G

ClientSampleId :

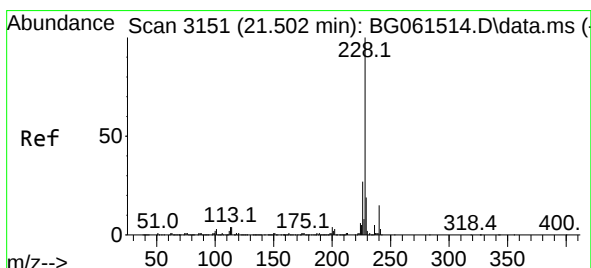
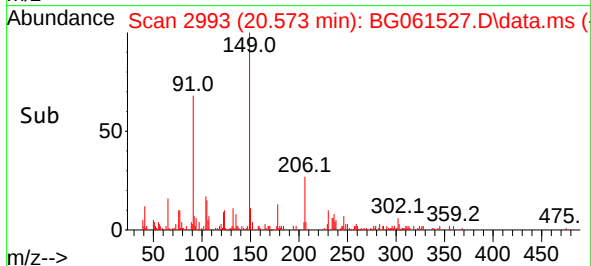
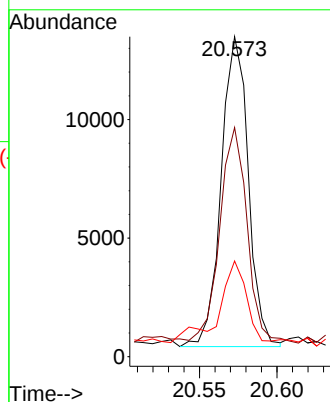
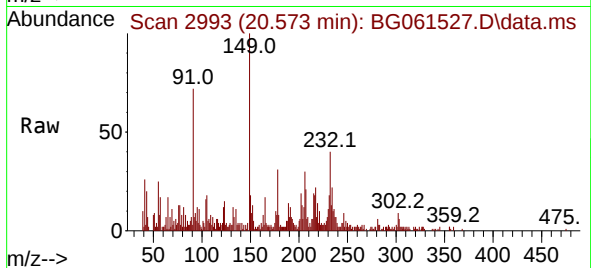
BHBY2

Tgt Ion:	149	Resp:	1587
Ion Ratio	Lower	Upper	
149	100		
91	71.6	54.8	82.2
206	29.9	19.4	29.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#85

Benzo(a)anthracene

Concen: 67.678 ng/ul

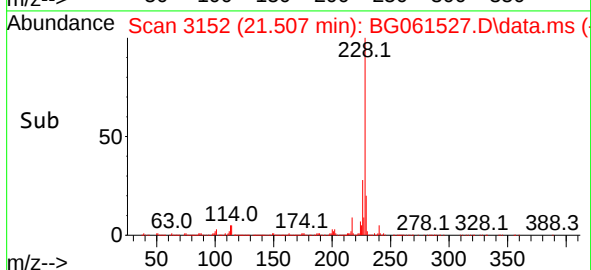
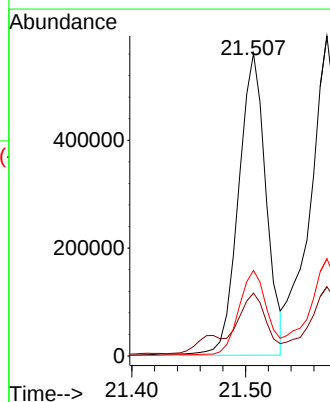
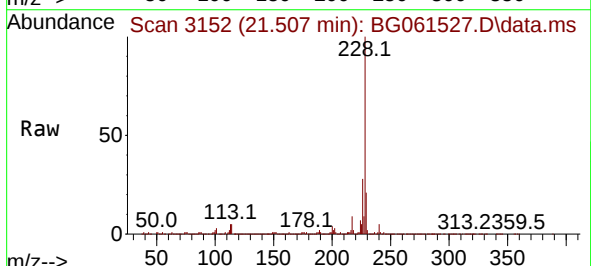
RT: 21.507 min Scan# 3152

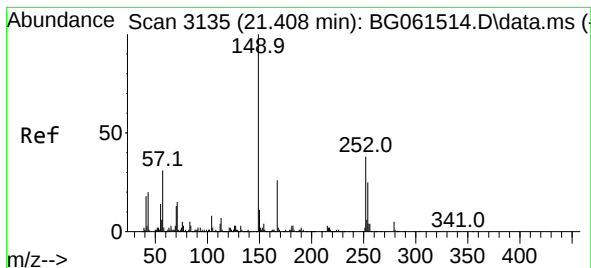
Delta R.T. 0.005 min

Lab File: BG061527.D

Acq: 7 Jun 2024 2:39

Tgt Ion:	228	Resp:	938619
Ion Ratio	Lower	Upper	
228	100		
229	20.8	15.2	22.8
226	28.3	21.4	32.2





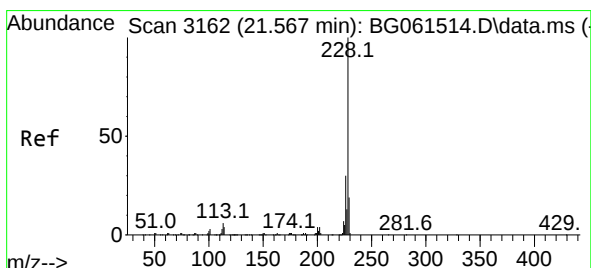
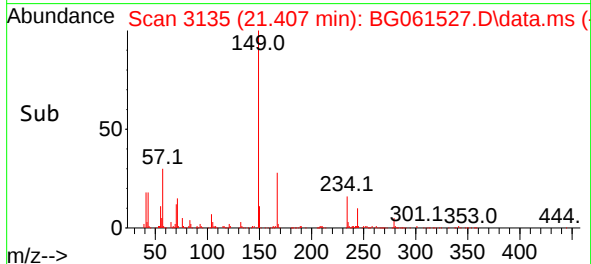
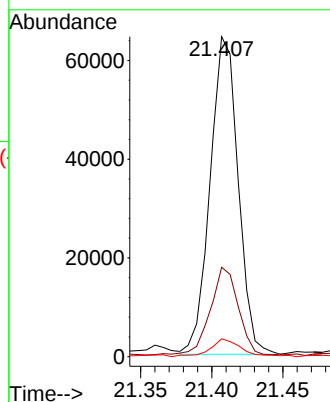
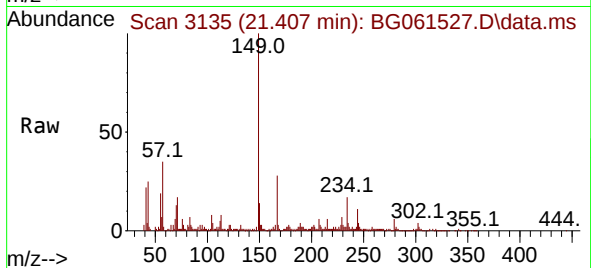
#86
 Bis(2-ethylhexyl)phthalate
 Concen: 13.500 ng/ul
 RT: 21.407 min Scan# 3135
 Delta R.T. -0.000 min
 Lab File: BG061527.D
 Acq: 7 Jun 2024 2:39

Instrument :
 BNA_G
 ClientSampleId :
 BHB2

Tgt Ion:149 Resp: 8822
 Ion Ratio Lower Upper
 149 100
 167 27.9 21.1 31.7
 279 5.6 3.3 4.9

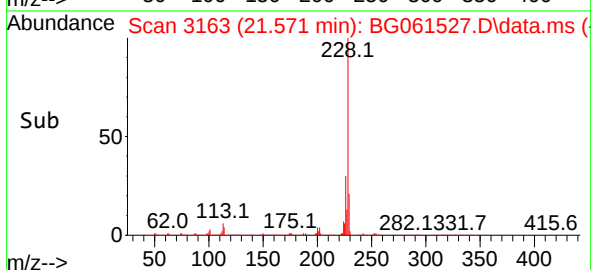
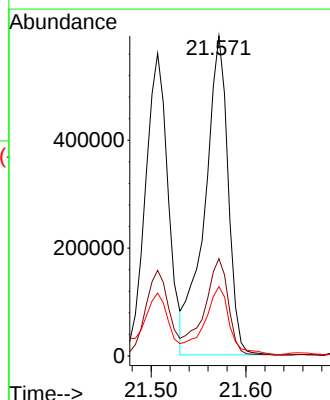
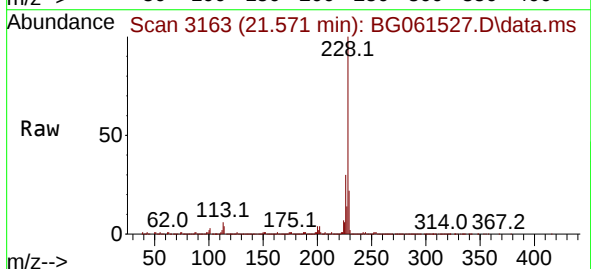
Manual Integrations
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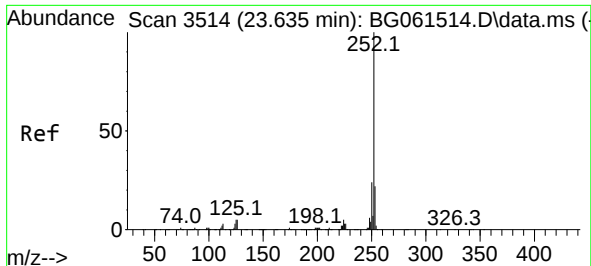
Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024



#87
 Chrysene
 Concen: 79.537 ng/ul
 RT: 21.571 min Scan# 3163
 Delta R.T. 0.005 min
 Lab File: BG061527.D
 Acq: 7 Jun 2024 2:39

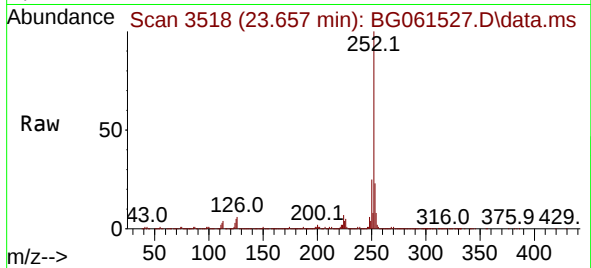
Tgt Ion:228 Resp: 1015713
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.4 35.0
 229 21.6 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 101.518 ng/ul
RT: 23.657 min Scan# 3518
Delta R.T. 0.023 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39

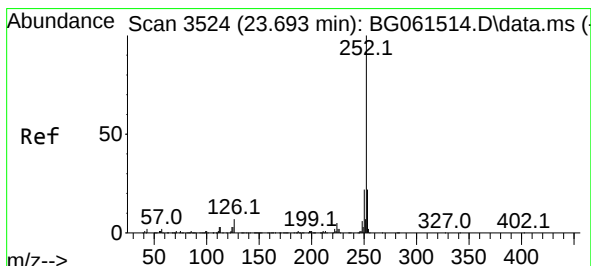
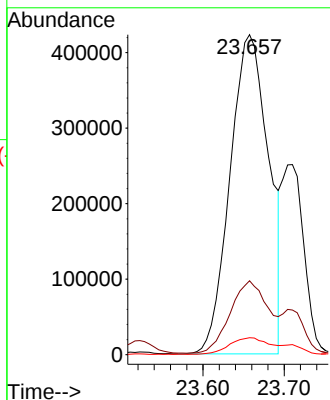
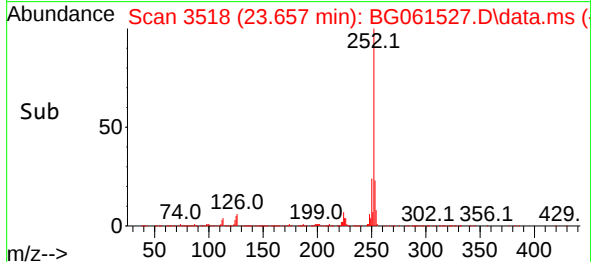
Instrument :
BNA_G
ClientSampleId :
BHY2



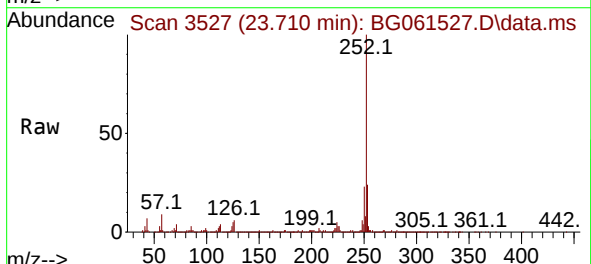
Tgt Ion:252 Resp: 1399280
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 5.3 4.6 6.8

Manual Integrations
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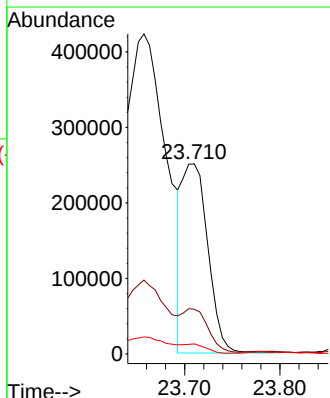
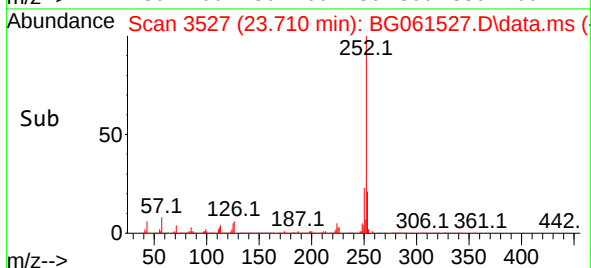
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

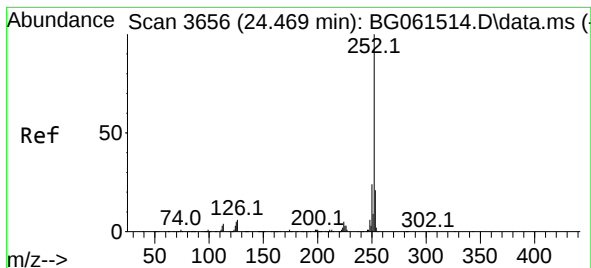


#91
Benzo(k)fluoranthene
Concen: 33.616 ng/ul m
RT: 23.710 min Scan# 3527
Delta R.T. 0.011 min
Lab File: BG061527.D
Acq: 7 Jun 2024 2:39



Tgt Ion:252 Resp: 470373
Ion Ratio Lower Upper
252 100
253 23.5 16.0 24.0
125 5.3 4.3 6.5





#93

Benzo(a)pyrene

Concen: 47.518 ng/u1

RT: 24.480 min Scan# 3

Delta R.T. 0.011 min

Lab File: BG061527.D

Acq: 7 Jun 2024 2:39

Instrument :

BNA_G

ClientSampleId :

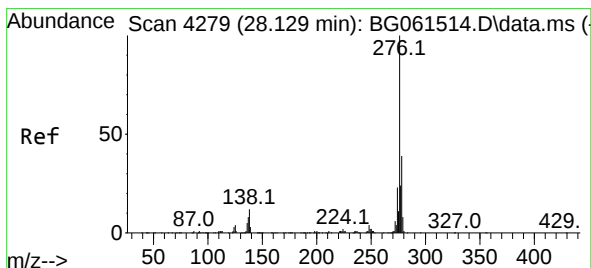
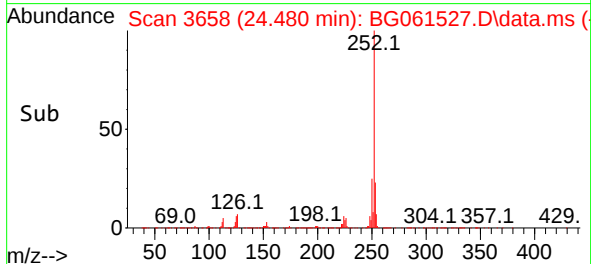
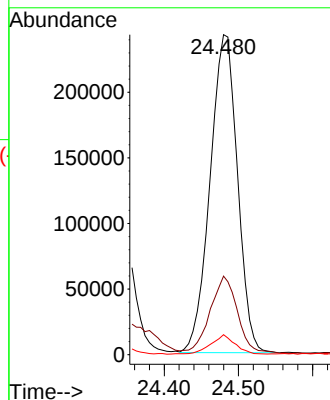
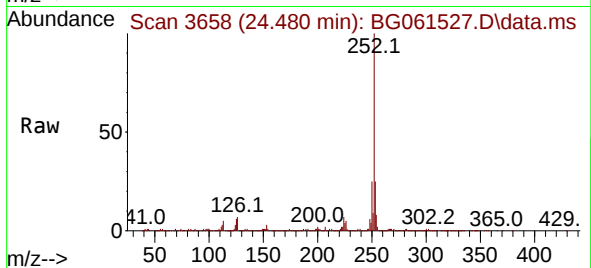
BHBY2

Tgt Ion:252 Resp: 62193
 Ion Ratio Lower Upper
 252 100
 253 24.5 16.4 24.6
 125 6.3 4.3 6.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 29.223 ng/u1

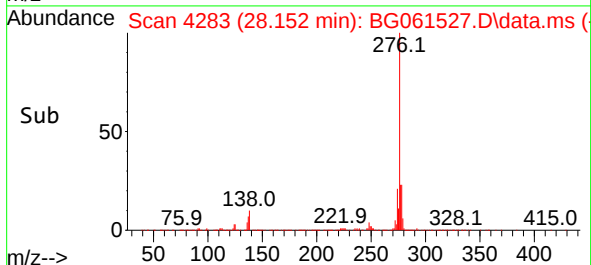
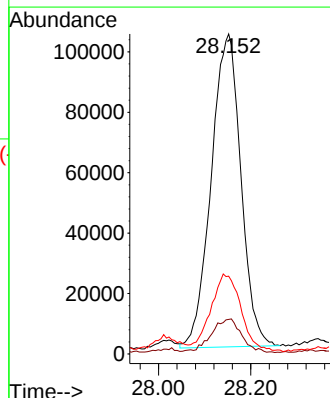
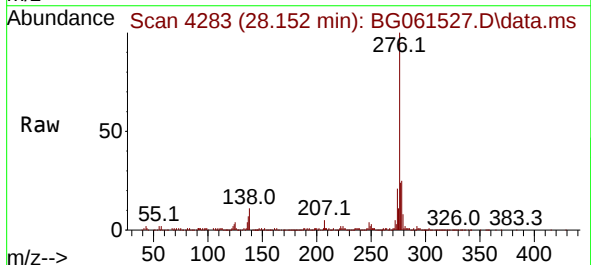
RT: 28.152 min Scan# 4283

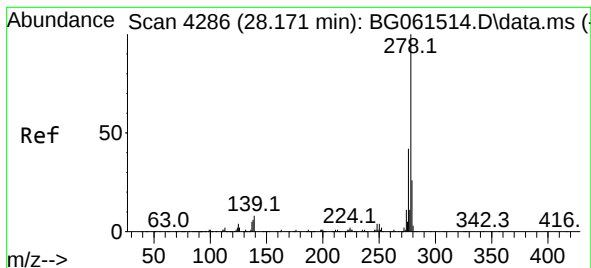
Delta R.T. 0.017 min

Lab File: BG061527.D

Acq: 7 Jun 2024 2:39

Tgt Ion:276 Resp: 462546
 Ion Ratio Lower Upper
 276 100
 138 10.8 8.6 13.0
 277 24.3 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 10.909 ng/ul

RT: 28.181 min Scan# 41

Delta R.T. 0.011 min

Lab File: BG061527.D

Acq: 7 Jun 2024 2:39

Instrument :

BNA_G

ClientSampleId :

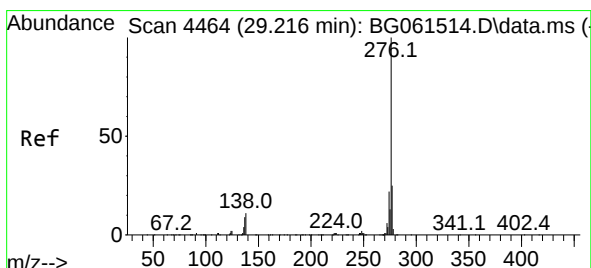
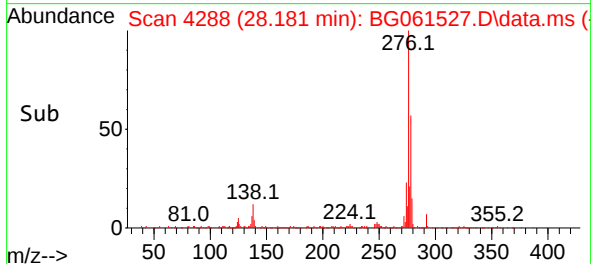
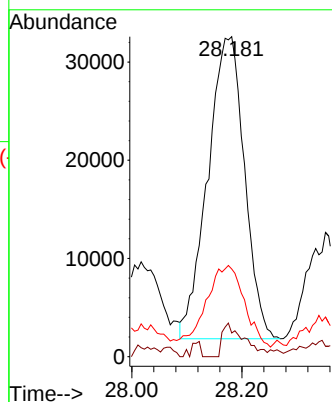
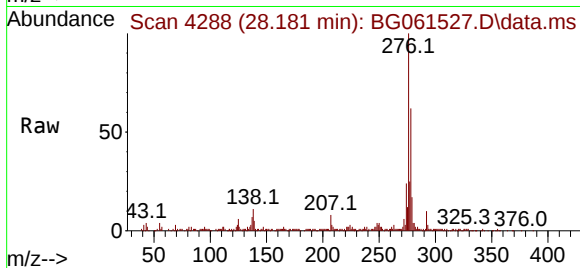
BHBY2

Tgt Ion:	278	Resp:	14237
Ion Ratio	Lower	Upper	
278	100		
139	7.4	6.4	9.6
279	27.4	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#96

Benzo(g,h,i)perylene

Concen: 4.855 ng/ul m

RT: 29.239 min Scan# 4468

Delta R.T. 0.017 min

Lab File: BG061527.D

Acq: 7 Jun 2024 2:39

Tgt Ion:	276	Resp:	61128
Ion Ratio	Lower	Upper	
276	100		
138	10.0	8.7	13.1
277	27.0	18.2	27.2

