

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060624\
 Data File : BG061525.D
 Acq On : 7 Jun 2024 1:16
 Operator : MA/JU
 Sample : P2634-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBX7

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 02:03:25 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	7.883	152	32379	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	116024	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	78951	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.260	188	179820	20.000	ng/u1	0.00
79) Chrysene-d12	21.520	240	197498	20.000	ng/u1	0.00
88) Perylene-d12	24.610	264	235699	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	3032m	5.240	ng/uL	0.00
4) Pyridine-d5	3.782	84	27351	13.288	ng/u1	0.01
7) Phenol-d5	7.072	99	69983	26.319	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.213	67	42130	25.208	ng/u1	0.00
11) 2-Chlorophenol-d4	7.424	132	58756	29.858	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	56002	24.700	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	30230	33.841	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	33064	31.626	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	65451	32.113	ng/u1	0.00
31) 4-Chloroaniline-d4	10.815	131	29707	11.141	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	198476	32.413	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	221172	34.743	ng/u1	0.00
54) 4-Nitrophenol-d4	14.757	143	21849	28.861	ng/u1	0.00
60) Fluorene-d10	15.503	176	176438	33.375	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	14539	13.368	ng/u1	0.00
73) Anthracene-d10	17.360	188	288880	36.439	ng/u1	0.00
81) Pyrene-d10	19.657	212	324667	32.016	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.410	264	299977	26.473	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.721	128	8760	1.430	ng/u1	98
36) 2-Methylnaphthalene	12.330	142	6766	1.524	ng/u1	92
37) 1-Methylnaphthalene	12.554	142	4765	1.045	ng/u1#	98
50) Acenaphthylene	14.234	152	16296	2.308	ng/u1	97
52) Acenaphthene	14.575	153	9751	2.106	ng/u1	96
56) Dibenzofuran	14.910	168	7988	1.206	ng/u1	99
61) Fluorene	15.562	166	8938	1.560	ng/u1	91
72) Phenanthrene	17.307	178	258306	29.596	ng/u1	99
74) Anthracene	17.395	178	38144	4.227	ng/u1	96
77) Carbazole	17.665	167	22396	3.051	ng/u1	99
80) Fluoranthene	19.322	202	805075	66.180	ng/u1	99
82) Pyrene	19.686	202	664248	52.604	ng/u1	99
83) Butylbenzylphthalate	20.574	149	19029	4.387	ng/u1	97
85) Benzo(a)anthracene	21.502	228	427259	31.353	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.408	149	104882	16.334	ng/u1#	98
87) Chrysene	21.567	228	484127	38.582	ng/u1	95
90) Benzo(b)fluoranthene	23.647	252	664781	47.371	ng/u1	99
91) Benzo(k)fluoranthene	23.699	252	238785	16.761	ng/u1	94
93) Benzo(a)pyrene	24.475	252	296627	22.260	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.135	276	245109	15.210	ng/u1	97
95) Dibenzo(a,h)anthracene	28.171	278	87771m	6.606	ng/u1	
96) Benzo(g,h,i)perylene	29.228	276	48582m	3.790	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						

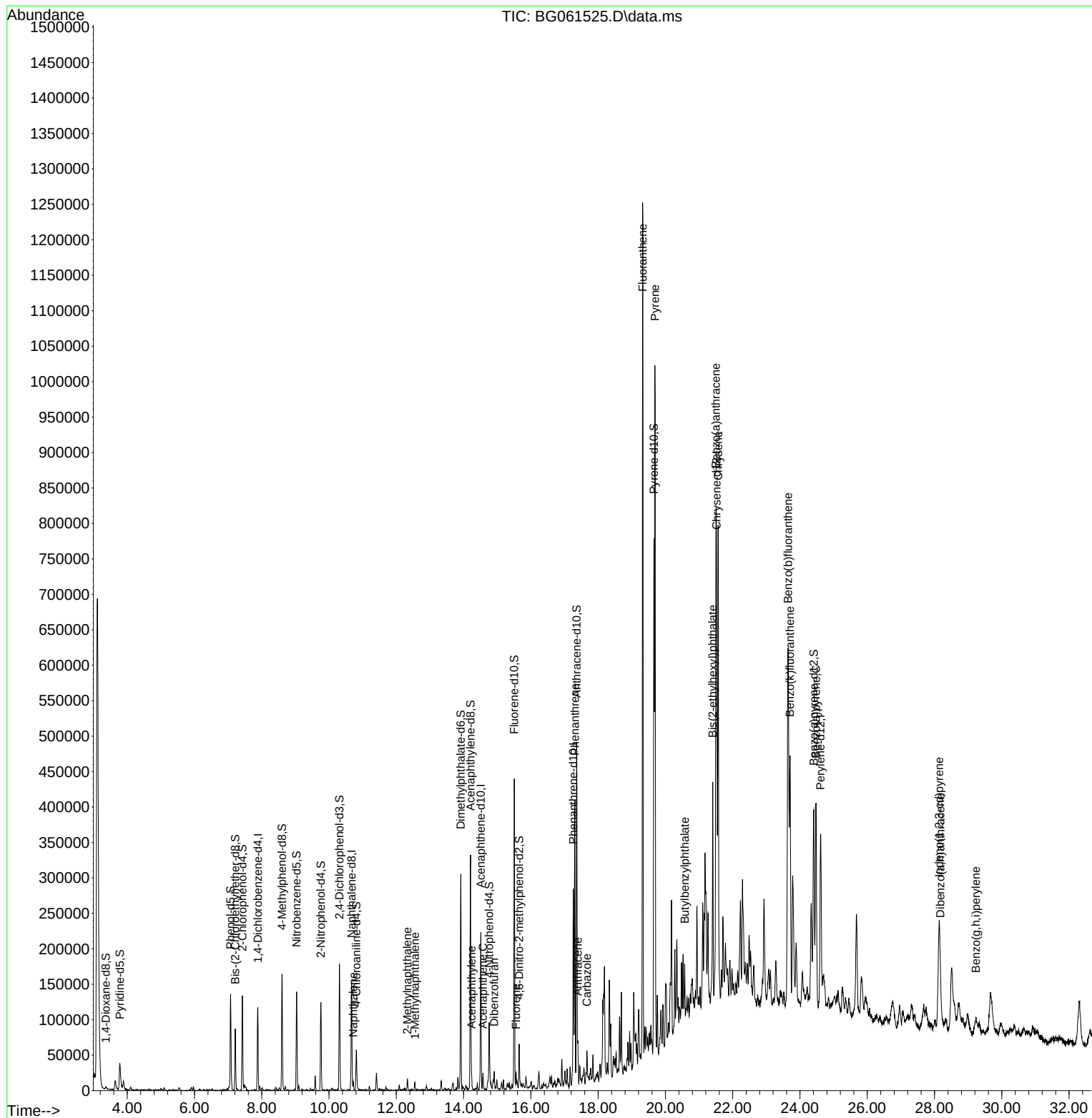
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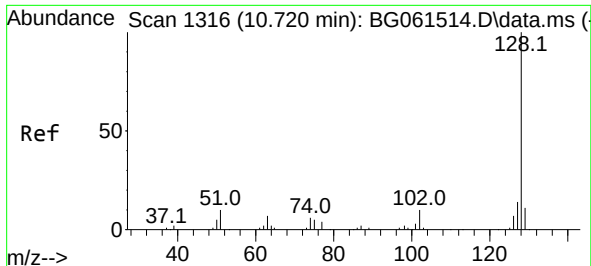
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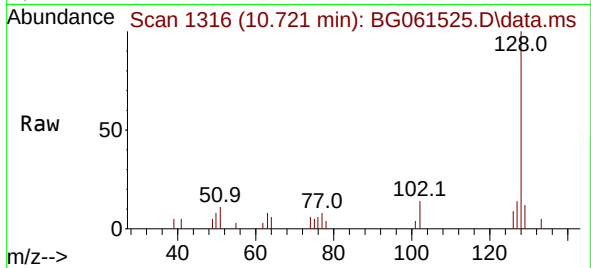
Quant Time: Jun 07 02:03:25 2024
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#30
Naphthalene
Concen: 1.430 ng/ul
RT: 10.721 min Scan# 1316
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16

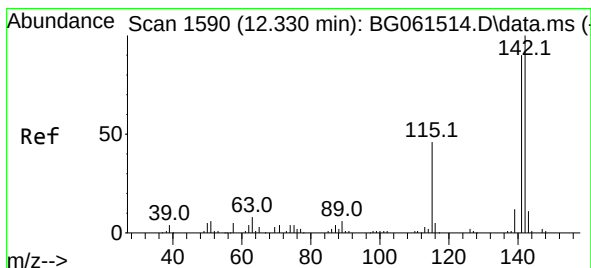
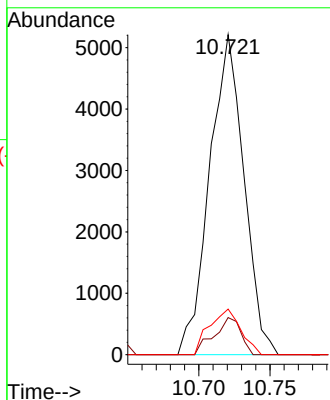
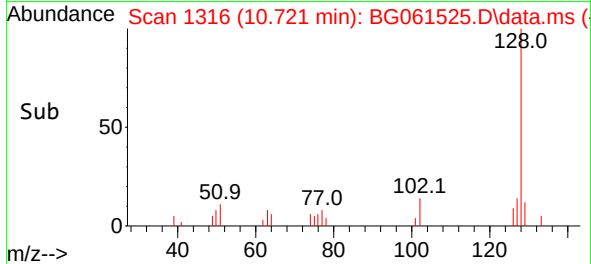
Instrument :
BNA_G
ClientSampleId :
BHBX7



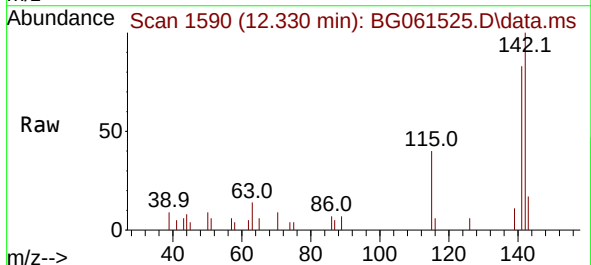
Tgt Ion:128 Resp: 8760
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 14.2 10.8 16.2

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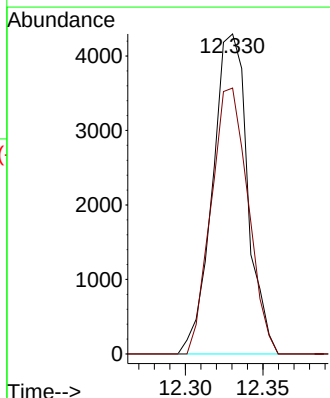
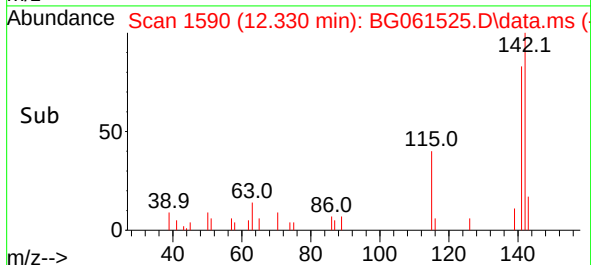
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

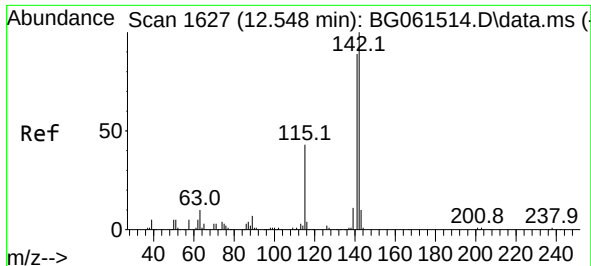


#36
2-Methylnaphthalene
Concen: 1.524 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16



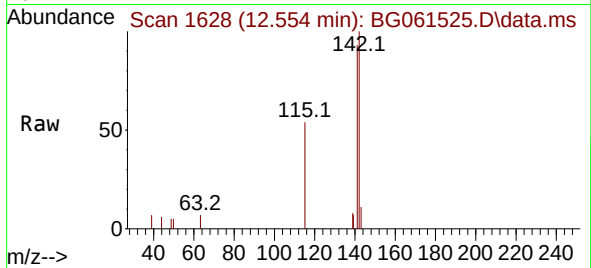
Tgt Ion:142 Resp: 6766
Ion Ratio Lower Upper
142 100
141 83.1 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.045 ng/ul
RT: 12.554 min Scan# 1628
Delta R.T. 0.006 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16

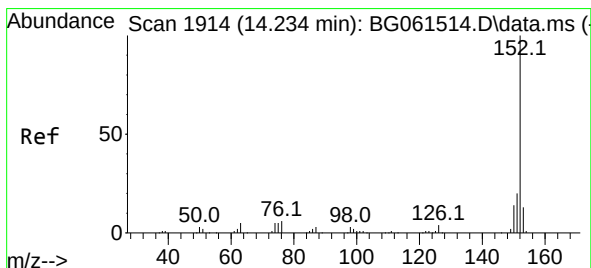
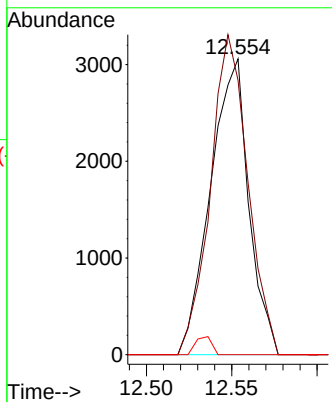
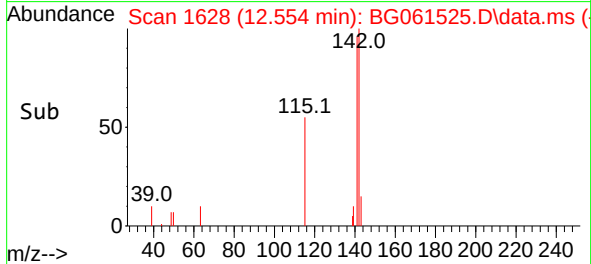
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:142 Resp: 476
Ion Ratio Lower Upper
142 100
141 92.7 75.5 113.3
116 0.0 4.0 6.0

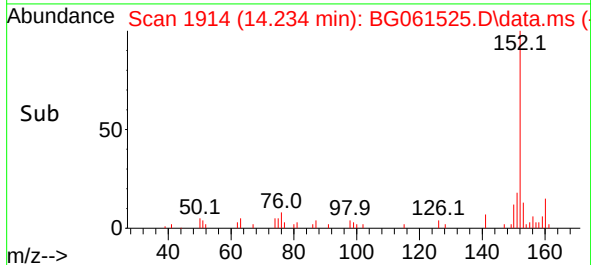
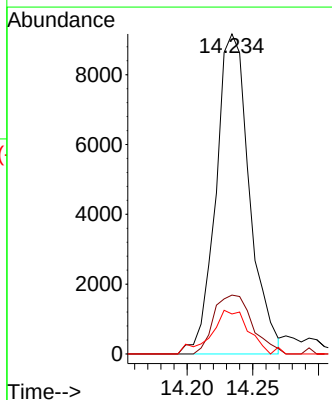
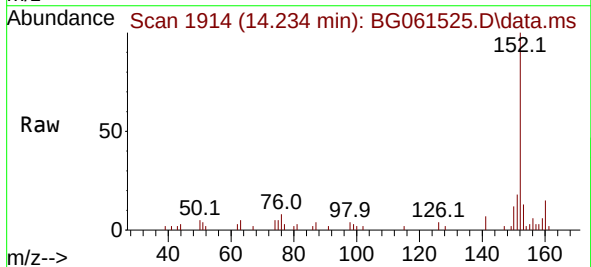
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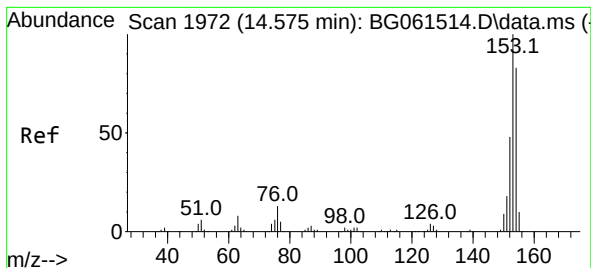
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#50
Acenaphthylene
Concen: 2.308 ng/ul
RT: 14.234 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16

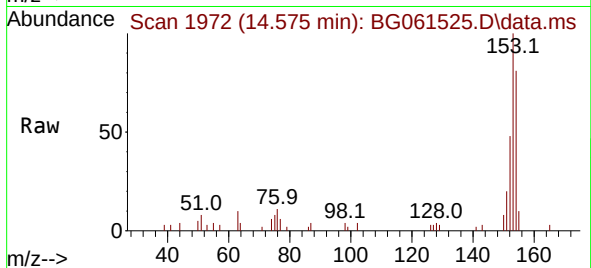
Tgt Ion:152 Resp: 16296
Ion Ratio Lower Upper
152 100
151 18.4 16.2 24.2
153 12.5 10.2 15.4





#52
Acenaphthene
Concen: 2.106 ng/u1
RT: 14.575 min Scan# 1972
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16

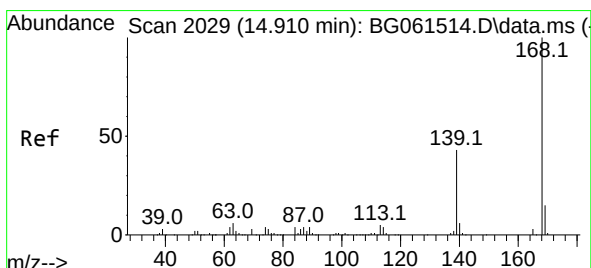
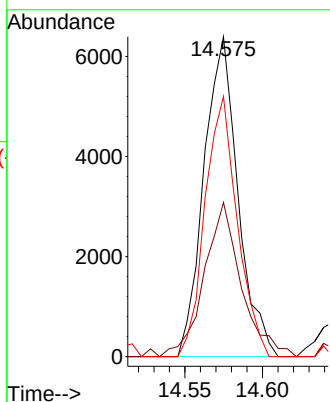
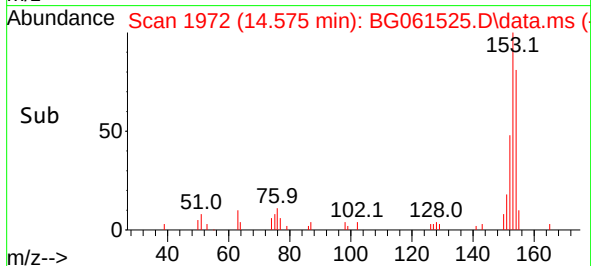
Instrument :
BNA_G
ClientSampleId :
BHBX7



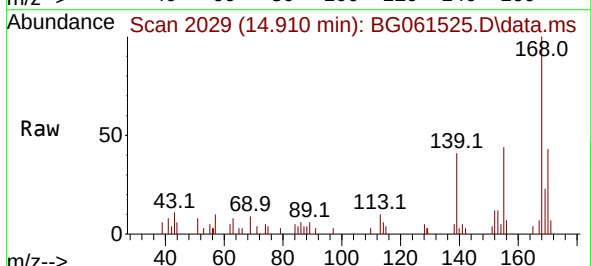
Tgt Ion:153 Resp: 975
Ion Ratio Lower Upper
153 100
152 48.2 37.8 56.8
154 81.4 69.0 103.6

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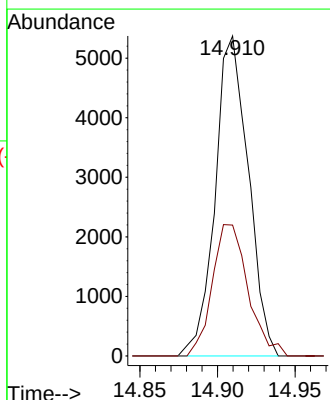
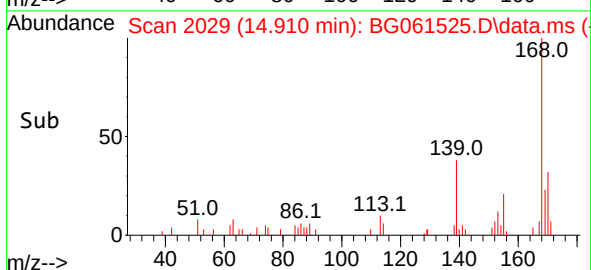
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

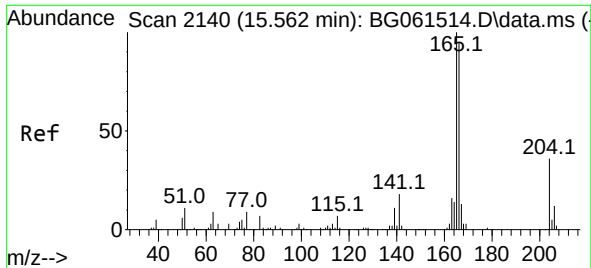


#56
Dibenzofuran
Concen: 1.206 ng/u1
RT: 14.910 min Scan# 2029
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16



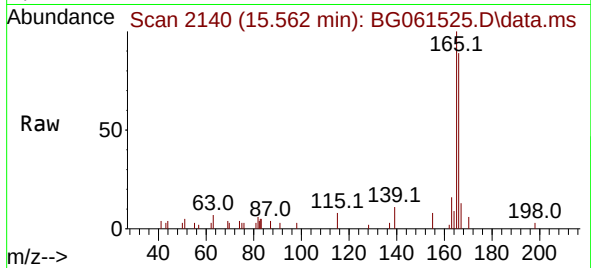
Tgt Ion:168 Resp: 7988
Ion Ratio Lower Upper
168 100
139 40.9 33.4 50.2





#61
Fluorene
Concen: 1.560 ng/u1
RT: 15.562 min Scan# 2140
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16

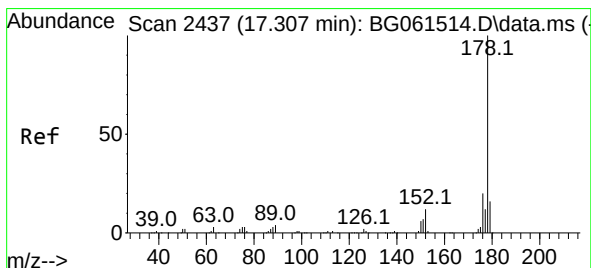
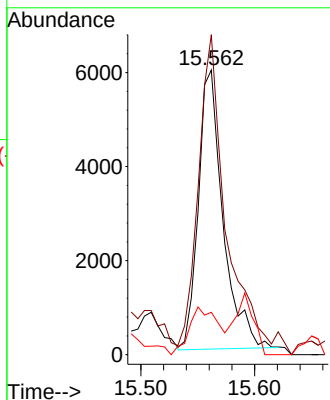
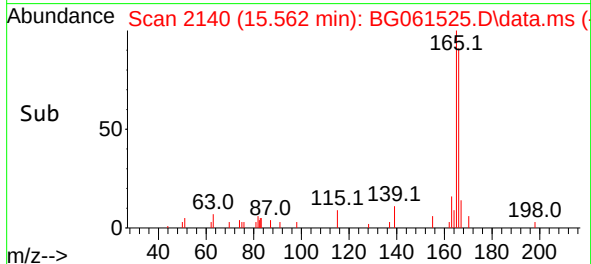
Instrument :
BNA_G
ClientSampleId :
BHBX7



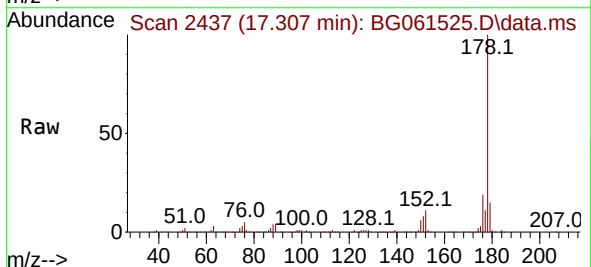
Tgt Ion:166 Resp: 8938
Ion Ratio Lower Upper
166 100
165 112.4 81.8 122.8
167 14.9 10.6 16.0

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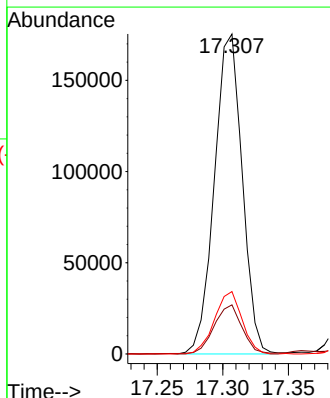
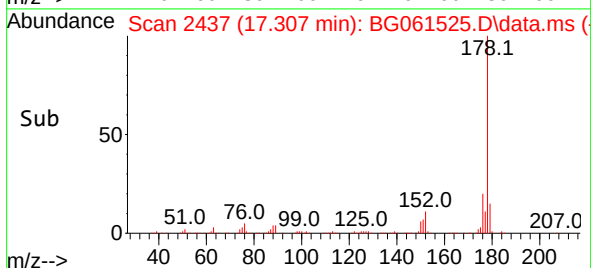
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

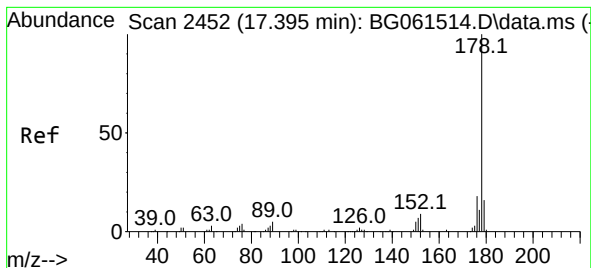


#72
Phenanthrene
Concen: 29.596 ng/u1
RT: 17.307 min Scan# 2437
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16



Tgt Ion:178 Resp: 258306
Ion Ratio Lower Upper
178 100
179 15.4 12.7 19.1
176 19.5 15.5 23.3





#74

Anthracene

Concen: 4.227 ng/ul

RT: 17.395 min Scan# 2452

Delta R.T. 0.001 min

Lab File: BG061525.D

Acq: 7 Jun 2024 1:16

Instrument :

BNA_G

ClientSampleId :

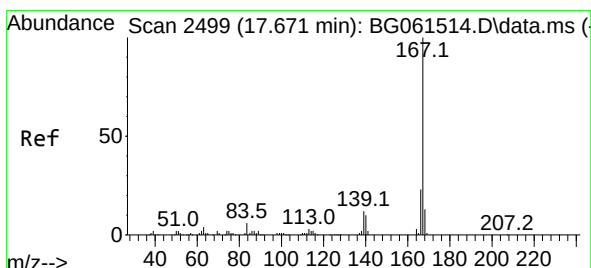
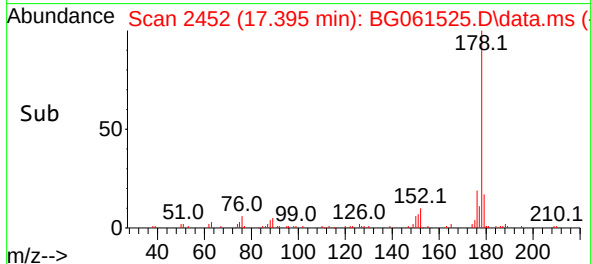
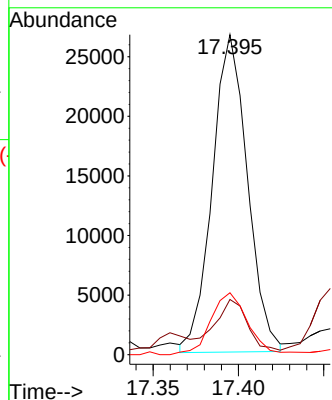
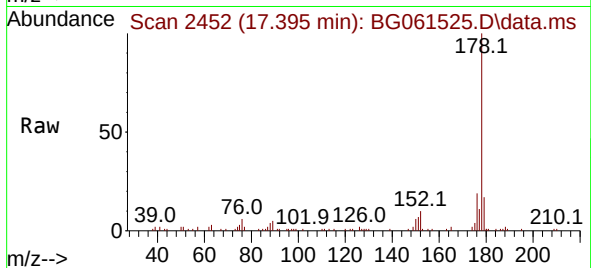
BHBX7

Tgt Ion:178	Resp:	3814
Ion Ratio	Lower	Upper
178	100	
179	17.3	11.8 17.6
176	19.3	14.9 22.3

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#77

Carbazole

Concen: 3.051 ng/ul

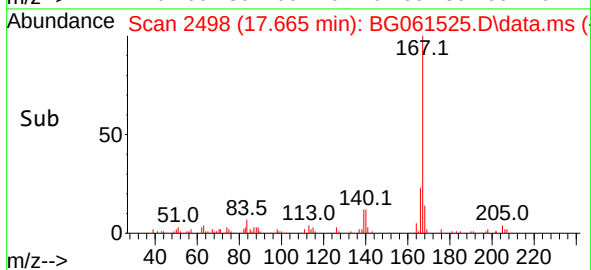
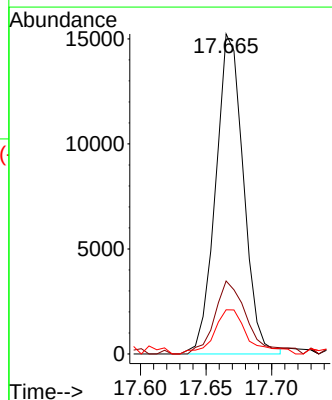
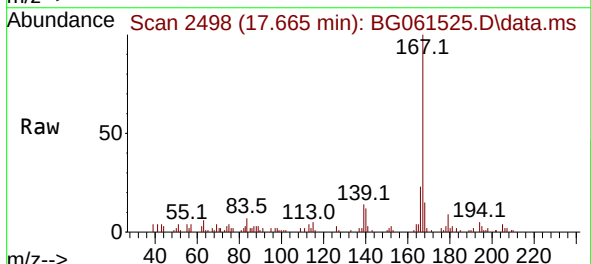
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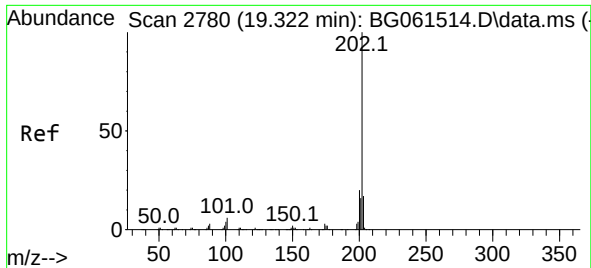
Delta R.T. -0.005 min

Lab File: BG061525.D

Acq: 7 Jun 2024 1:16

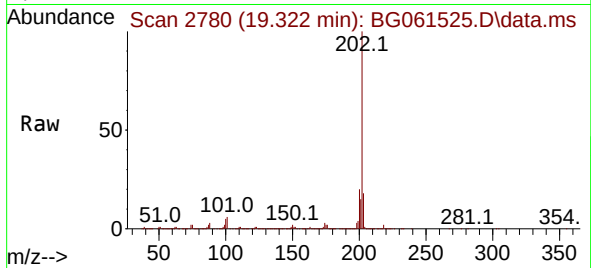
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Ion Ratio	Lower	Upper
167	100	
166	22.8	18.6 28.0
139	13.8	10.6 15.8





#80
Fluoranthene
Concen: 66.180 ng/ul
RT: 19.322 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16

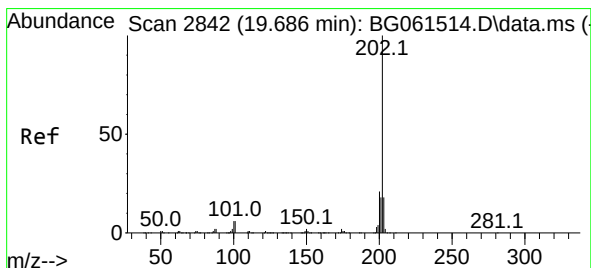
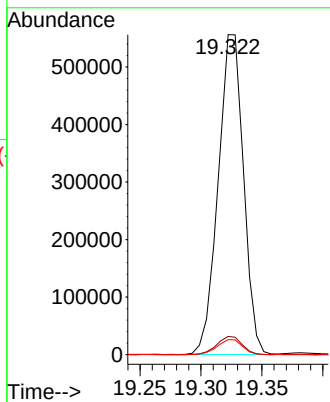
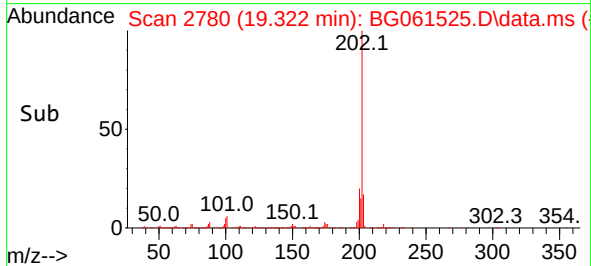
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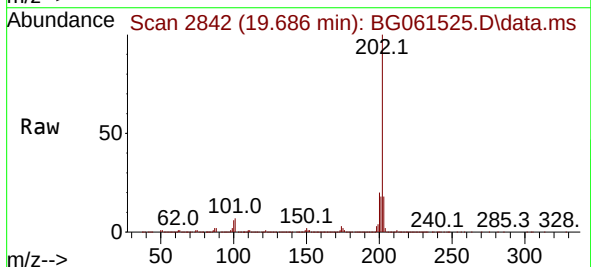
Tgt Ion:202 Resp: 805079
Ion Ratio Lower Upper
202 100
101 5.7 4.8 7.2
100 4.7 4.1 6.1

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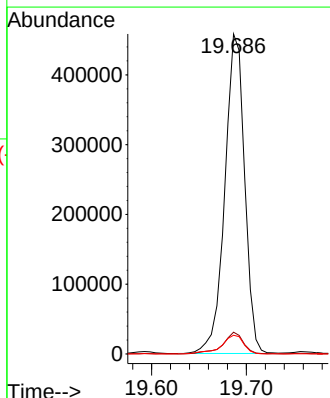
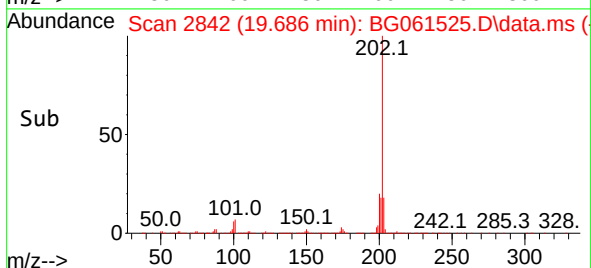
Reviewed By :Jagrut Upadhyay 06/07/2024
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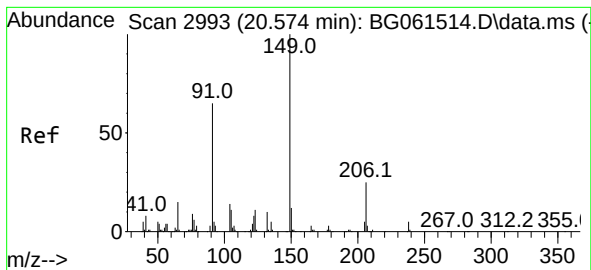


#82
Pyrene
Concen: 52.604 ng/ul
RT: 19.686 min Scan# 2842
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16



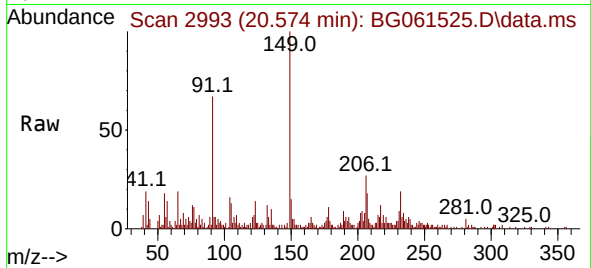
Tgt Ion:202 Resp: 664248
Ion Ratio Lower Upper
202 100
101 6.8 5.7 8.5
100 5.9 5.1 7.7





#83
Butylbenzylphthalate
Concen: 4.387 ng/ul
RT: 20.574 min Scan# 2993
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16

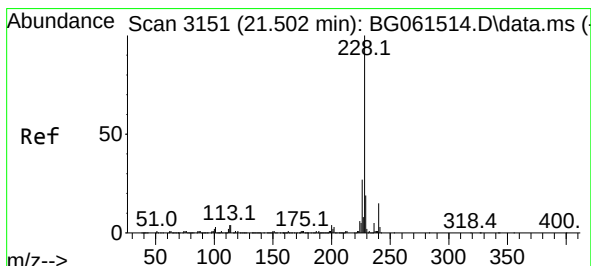
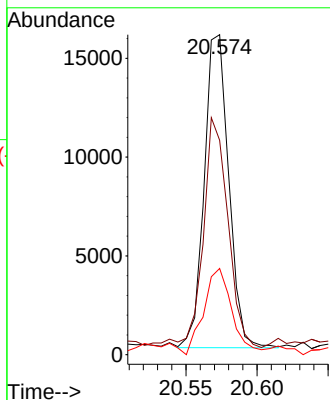
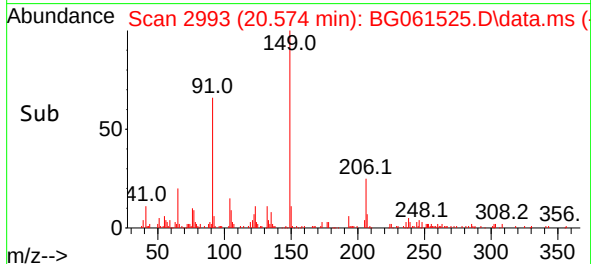
Instrument :
BNA_G
ClientSampleId :
BHBX7



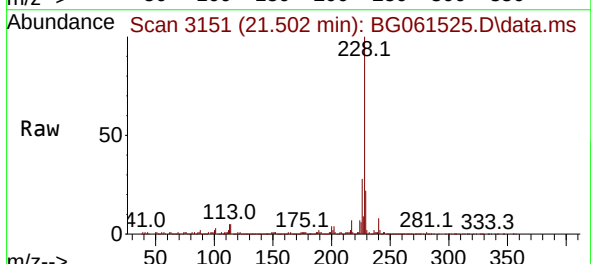
Tgt Ion:149 Resp: 19029
Ion Ratio Lower Upper
149 100
91 67.0 54.8 82.2
206 26.9 19.4 29.0

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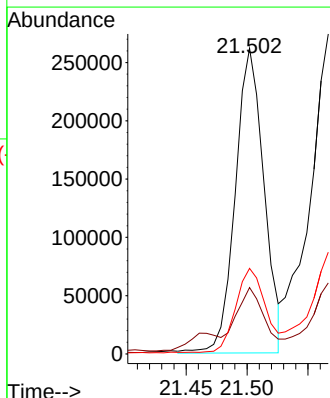
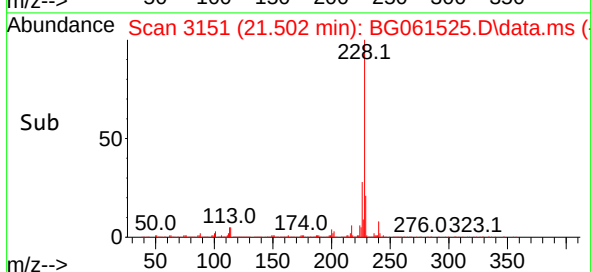
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

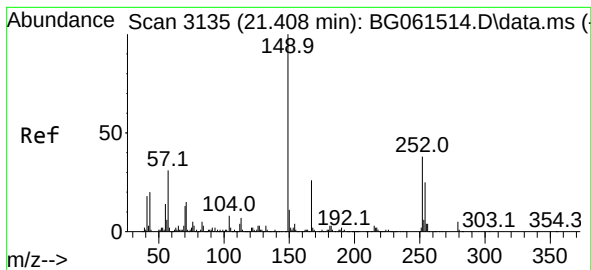


#85
Benzo(a)anthracene
Concen: 31.353 ng/ul
RT: 21.502 min Scan# 3151
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16



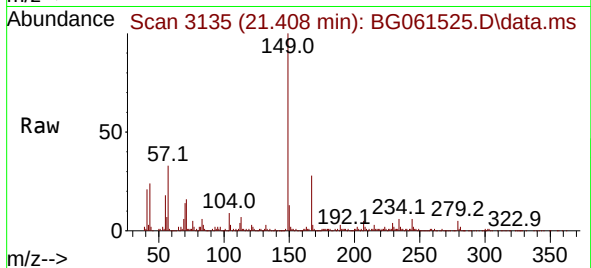
Tgt Ion:228 Resp: 427259
Ion Ratio Lower Upper
228 100
229 21.7 15.2 22.8
226 28.0 21.4 32.2





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 16.334 ng/ul
 RT: 21.408 min Scan# 3135
 Delta R.T. 0.001 min
 Lab File: BG061525.D
 Acq: 7 Jun 2024 1:16

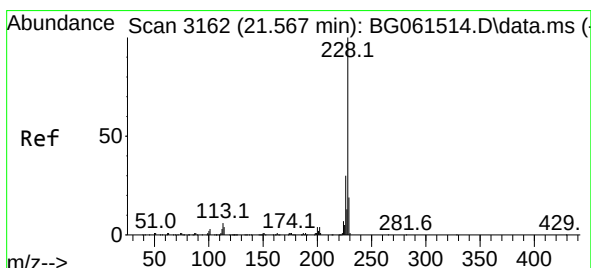
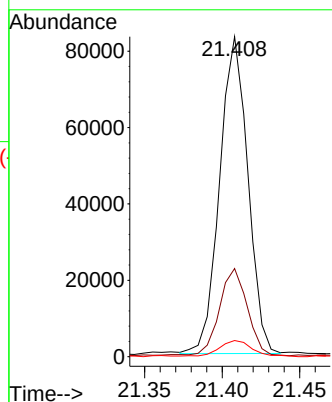
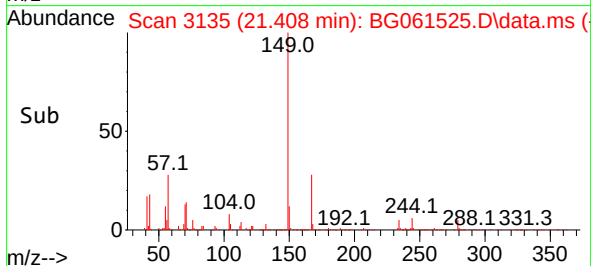
Instrument :
 BNA_G
 ClientSampleId :
 BHBX7



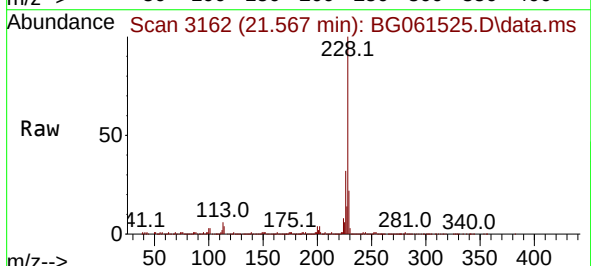
Tgt Ion:149 Resp: 104882
 Ion Ratio Lower Upper
 149 100
 167 27.6 21.1 31.7
 279 5.1 3.3 4.9

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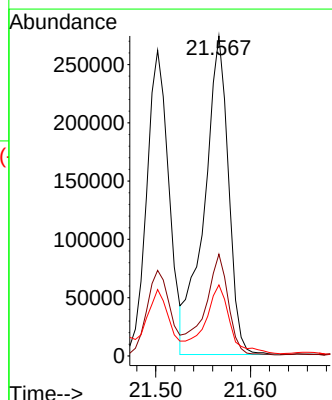
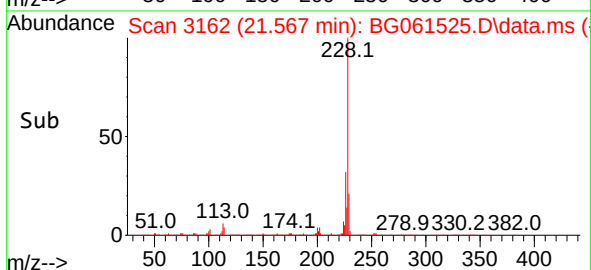
Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

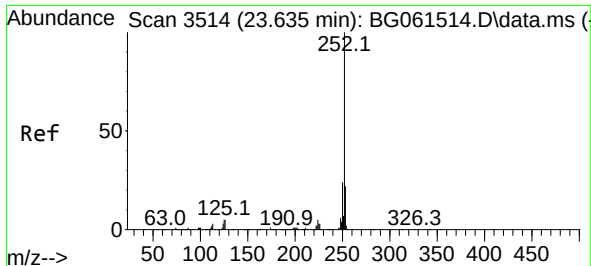


#87
 Chrysene
 Concen: 38.582 ng/ul
 RT: 21.567 min Scan# 3162
 Delta R.T. 0.001 min
 Lab File: BG061525.D
 Acq: 7 Jun 2024 1:16



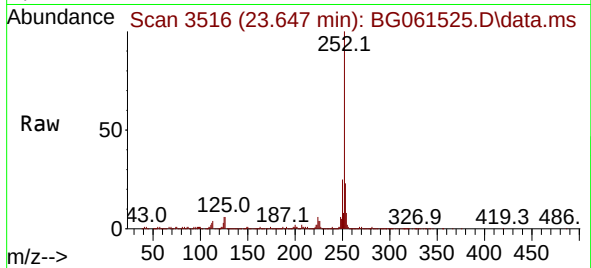
Tgt Ion:228 Resp: 484127
 Ion Ratio Lower Upper
 228 100
 226 31.8 23.4 35.0
 229 22.2 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 47.371 ng/ul
RT: 23.647 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16

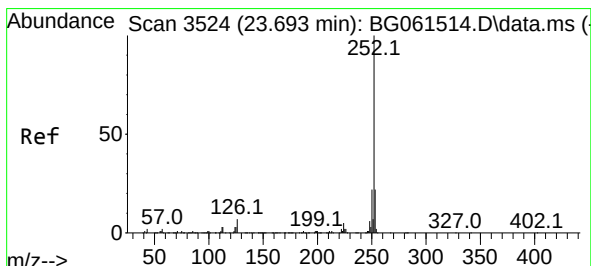
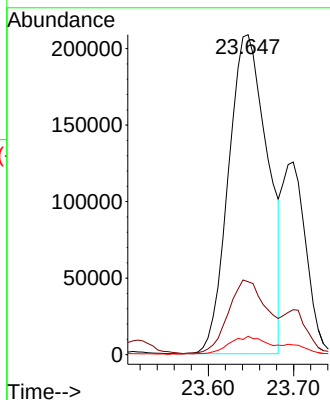
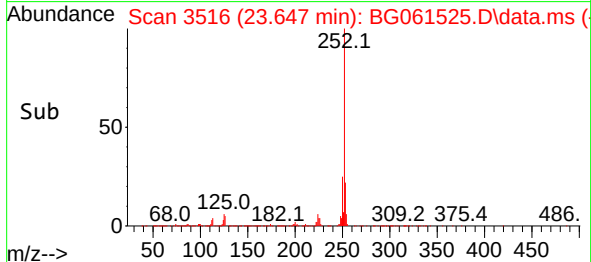
Instrument :
BNA_G
ClientSampleId :
BHBX7



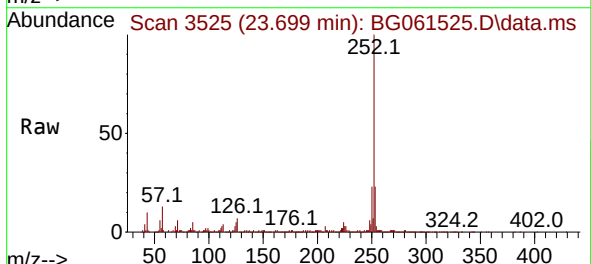
Tgt Ion:252 Resp: 66478
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 5.7 4.6 6.8

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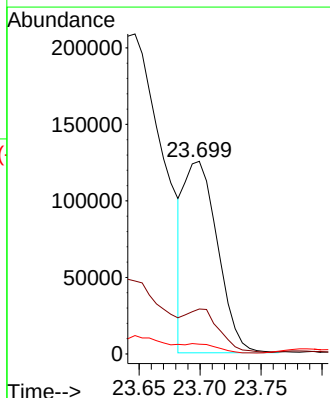
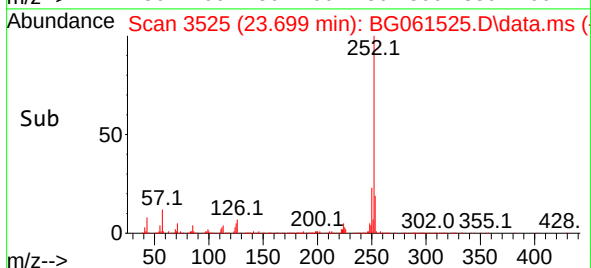
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

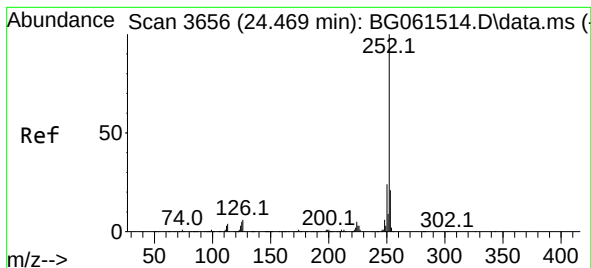


#91
Benzo(k)fluoranthene
Concen: 16.761 ng/ul
RT: 23.699 min Scan# 3525
Delta R.T. 0.001 min
Lab File: BG061525.D
Acq: 7 Jun 2024 1:16



Tgt Ion:252 Resp: 238785
Ion Ratio Lower Upper
252 100
253 23.4 16.0 24.0
125 5.1 4.3 6.5





#93

Benzo(a)pyrene

Concen: 22.260 ng/ul

RT: 24.475 min Scan# 30

Delta R.T. 0.006 min

Lab File: BG061525.D

Acq: 7 Jun 2024 1:16

Instrument :

BNA_G

ClientSampleId :

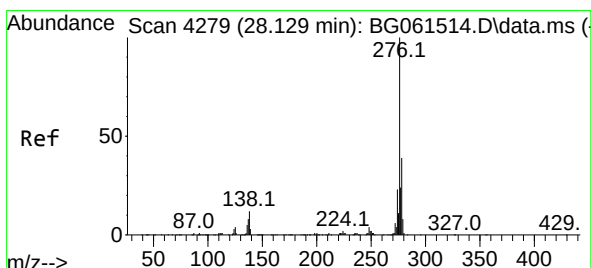
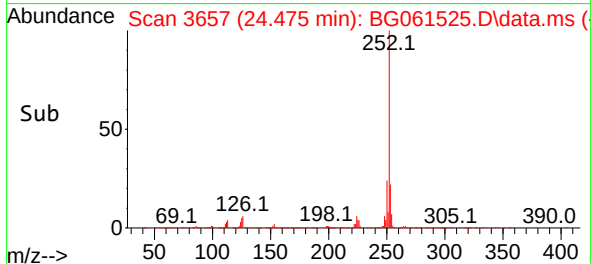
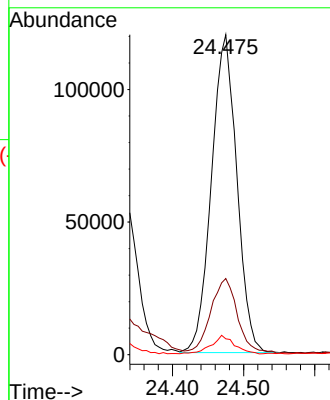
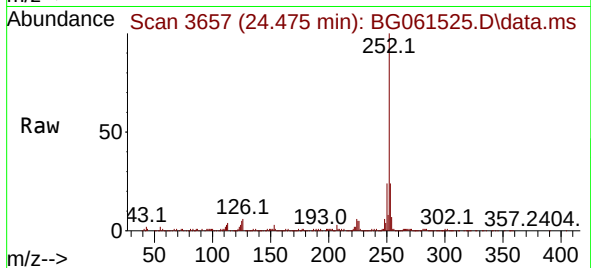
BHBX7

Tgt Ion:252 Resp: 29662
 Ion Ratio Lower Upper
 252 100
 253 23.8 16.4 24.6
 125 5.0 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: 15.210 ng/ul

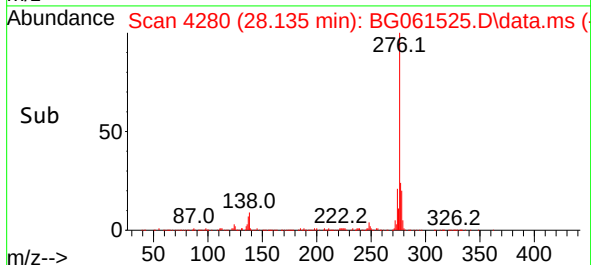
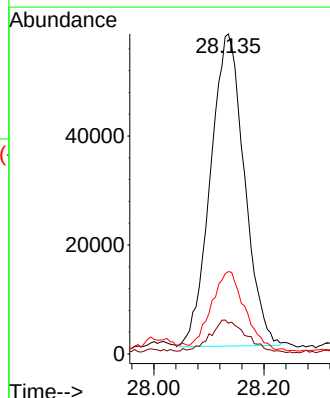
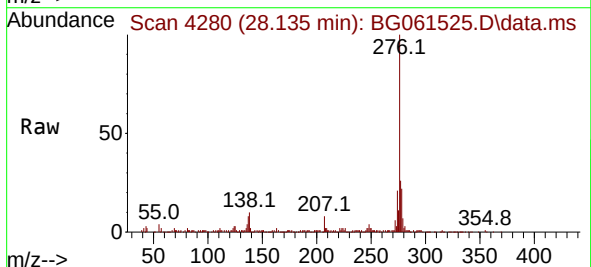
RT: 28.135 min Scan# 4280

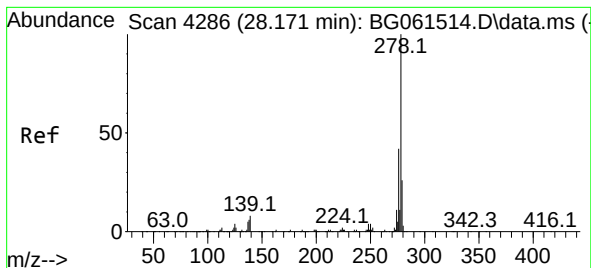
Delta R.T. 0.001 min

Lab File: BG061525.D

Acq: 7 Jun 2024 1:16

Tgt Ion:276 Resp: 245109
 Ion Ratio Lower Upper
 276 100
 138 9.6 8.6 13.0
 277 25.8 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 6.606 ng/ul m

RT: 28.171 min Scan# 4286

Delta R.T. 0.001 min

Lab File: BG061525.D

Acq: 7 Jun 2024 1:16

Instrument :

BNA_G

ClientSampleId :

BHBX7

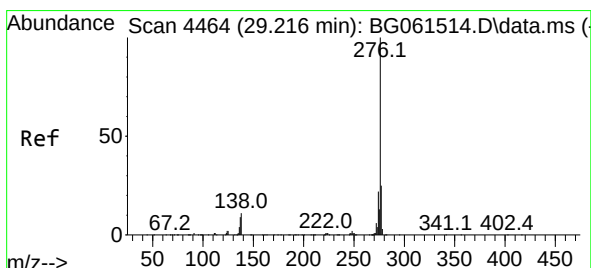
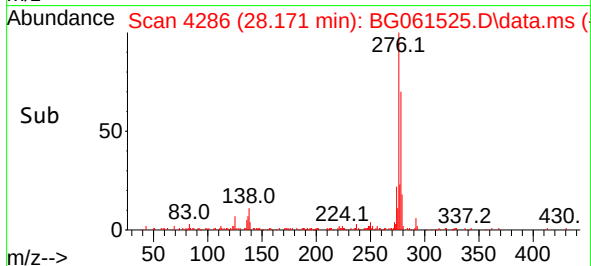
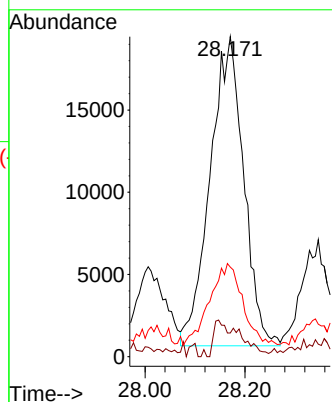
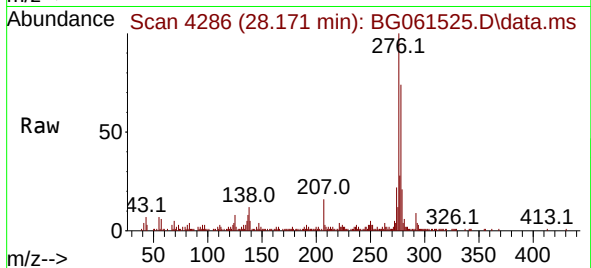
Tgt Ion:278 Resp: 8777

Ion	Ratio	Lower	Upper
278	100		
139	7.4	6.4	9.6
279	28.0	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: 3.790 ng/ul m

RT: 29.228 min Scan# 4466

Delta R.T. 0.006 min

Lab File: BG061525.D

Acq: 7 Jun 2024 1:16

Tgt Ion:276 Resp: 48582

Ion	Ratio	Lower	Upper
276	100		
138	11.2	8.7	13.1
277	27.3	18.2	27.2#

