

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
 Data File : BG058456.D
 Acq On : 25 Jul 2023 21:44
 Operator : CG/JU
 Sample : 03540-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4734

Quant Time: Jul 26 01:36:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 24 22:10:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

07/26/2023
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.815	152	47107	20.000	ng/ul	0.00
20) Naphthalene-d8	10.617	136	217355	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.466	164	154778	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.210	188	330247	20.000	ng/ul	0.00
79) Chrysene-d12	21.458	240	263179	20.000	ng/ul	0.00
88) Perylene-d12	24.525	264	354836	20.000	ng/ul	# 0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.238	96	3879	3.031	ng/uL	0.00
4) Pyridine-d5	3.649	84	24191	6.368	ng/ul	0.00
7) Phenol-d5	6.986	99	63126	14.126	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.145	67	48593	17.398	ng/ul	0.00
11) 2-Chlorophenol-d4	7.351	132	57935	18.521	ng/ul	0.00
15) 4-Methylphenol-d8	8.526	113	59044	17.322	ng/ul	0.00
21) Nitrobenzene-d5	8.978	128	29693	18.226	ng/ul	0.00
24) 2-Nitrophenol-d4	9.701	143	34840	19.588	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.247	165	61773	18.117	ng/ul	0.00
31) 4-Chloroaniline-d4	10.806	131	1697m	0.343	ng/ul	0.05
46) Dimethylphthalate-d6	13.867	166	224979	18.850	ng/ul	0.00
49) Acenaphthylene-d8	14.155	160	222204	17.765	ng/ul	0.00
54) 4-Nitrophenol-d4	14.683	143	19557	10.850	ng/ul	0.00
60) Fluorene-d10	15.453	176	202522	20.495	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.588	200	18211	10.823	ng/ul	0.00
73) Anthracene-d10	17.310	188	268144	18.791	ng/ul	0.00
81) Pyrene-d10	19.601	212	107239	6.899	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.313	264	56910	3.318	ng/ul	0.00

Target Compounds					Qvalue
6) Benzaldehyde	6.957	77	6784	3.759	ng/ul 92
8) Phenol	7.016	94	18244m	3.931	ng/ul
16) Acetophenone	8.637	105	81429	14.028	ng/ul 97
30) Naphthalene	10.670	128	256876	22.110	ng/ul 98
36) 2-Methylnaphthalene	12.280	142	102664	13.190	ng/ul 98
37) 1-Methylnaphthalene	12.504	142	79395	9.952	ng/ul 99
43) 1,1'-Biphenyl	13.297	154	44301	4.233	ng/ul 99
47) Dimethylphthalate	13.914	163	70760	5.902	ng/ul 98
50) Acenaphthylene	14.184	152	33170	2.457	ng/ul# 89
52) Acenaphthene	14.525	153	372741	39.764	ng/ul 99
56) Dibenzofuran	14.860	168	416299	31.189	ng/ul 100
61) Fluorene	15.512	166	445032	40.658	ng/ul 100
72) Phenanthrene	17.263	178	3157054m	201.161	ng/ul
74) Anthracene	17.345	178	916162	58.149	ng/ul 100
77) Carbazole	17.615	167	122767	8.989	ng/ul 98
78) Di-n-butylphthalate	18.167	149	87912	5.066	ng/ul 99
80) Fluoranthene	19.278	202	3358529m	188.602	ng/ul
82) Pyrene	19.630	202	1168289	64.749	ng/ul 97
85) Benzo(a)anthracene	21.440	228	1782027	100.739	ng/ul 94
86) Bis(2-ethylhexyl)phtha...	21.340	149	213878	21.164	ng/ul 98
87) Chrysene	21.505	228	1486945m	88.619	ng/ul
90) Benzo(b)fluoranthene	23.567	252	1787828	87.082	ng/ul 97
91) Benzo(k)fluoranthene	23.620	252	750089	36.633	ng/ul 98
93) Benzo(a)pyrene	24.378	252	215677	11.811	ng/ul# 88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Indeno(1,2,3-cd)pyrene	28.021	276	283681	11.791	ng/ul	92
95) Dibenzo(a,h)anthracene	28.068	278	260630	13.211	ng/ul#	92

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

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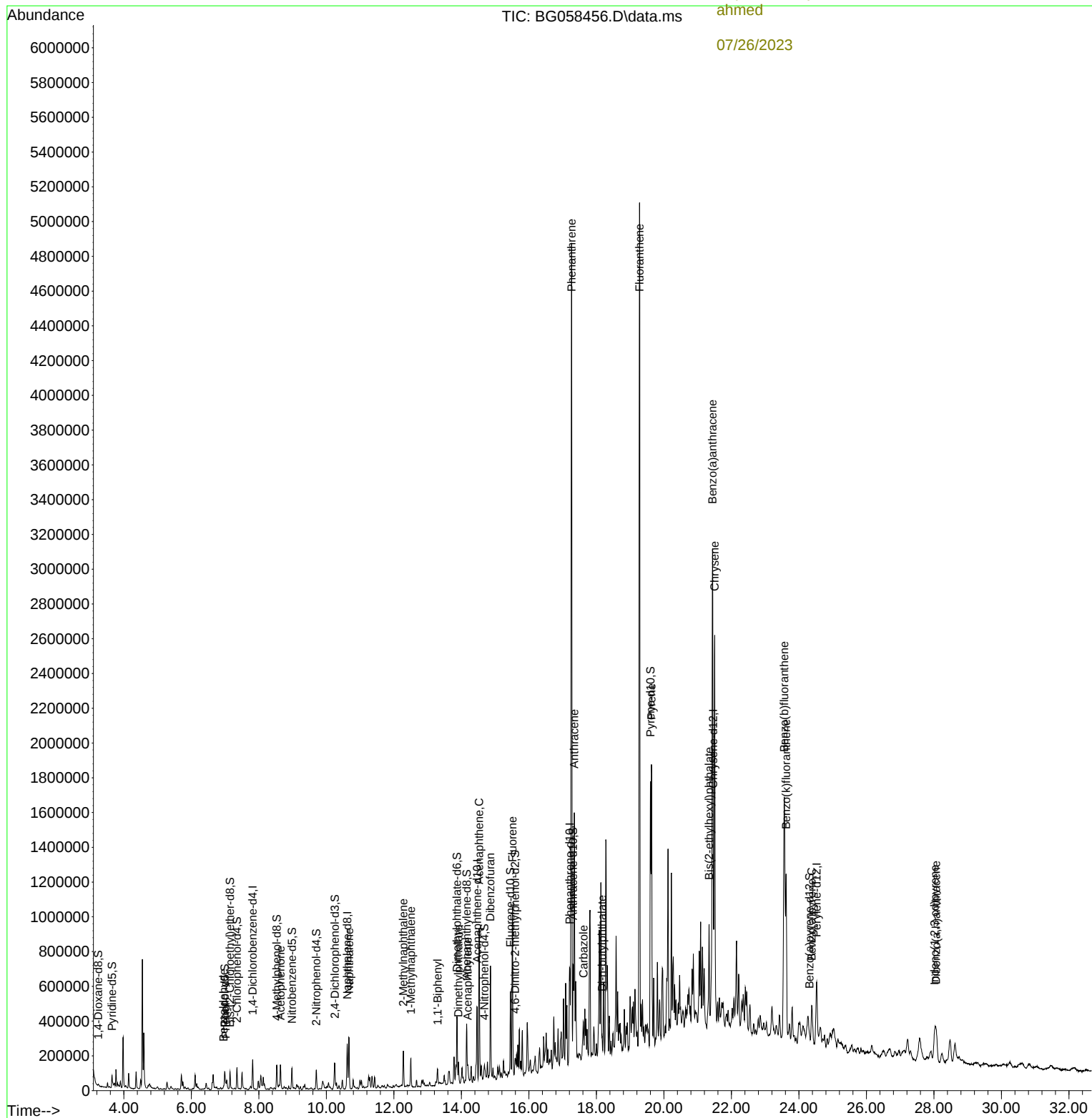
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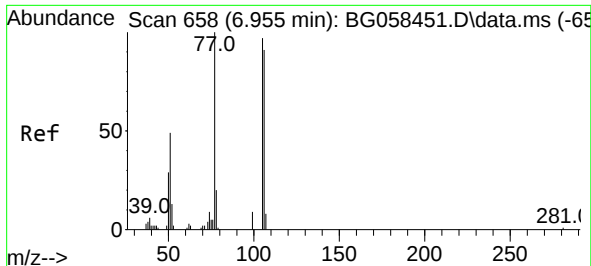
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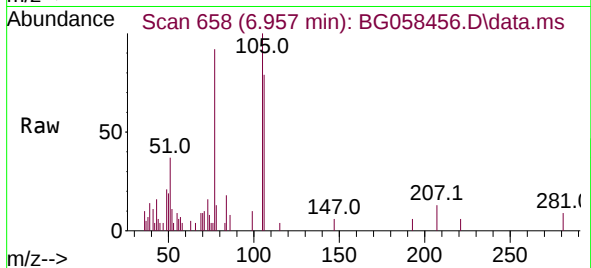
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#6
Benzaldehyde
Concen: 3.759 ng/ul
RT: 6.957 min Scan# 658
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Instrument :
BNA_G
ClientSampleId :
A4734



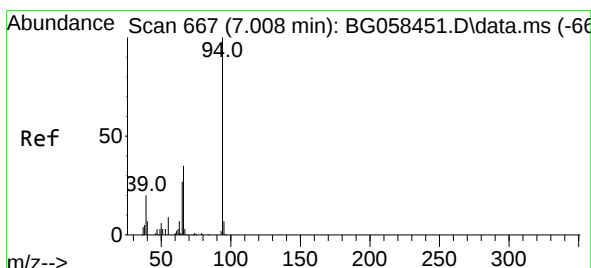
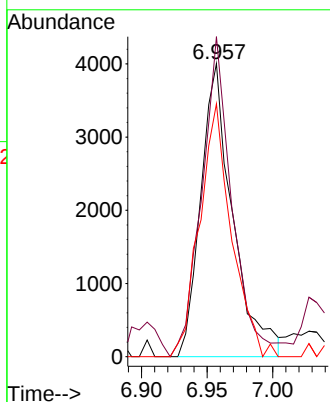
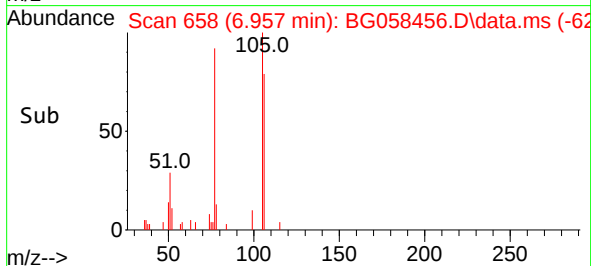
Tgt Ion: 77 Resp: 6784
Ion Ratio Lower Upper
77 100
105 109.2 78.2 117.4
106 86.3 71.6 107.4

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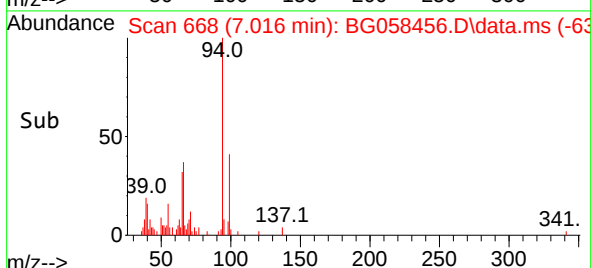
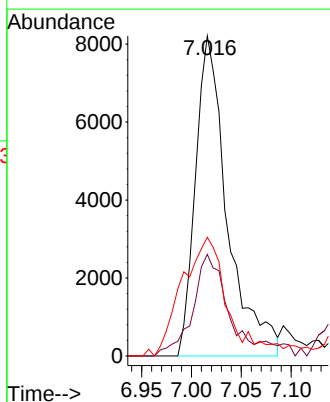
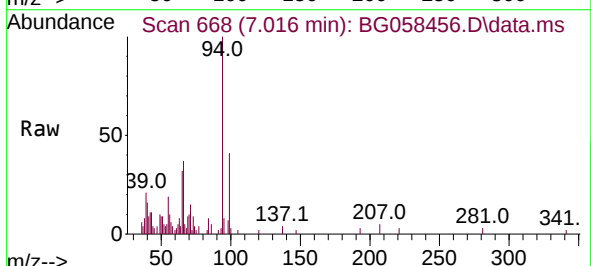
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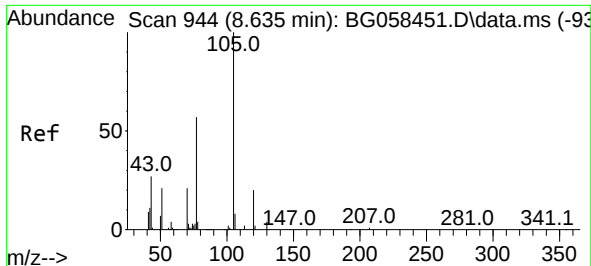
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#8
Phenol
Concen: 3.931 ng/ul m
RT: 7.016 min Scan# 668
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

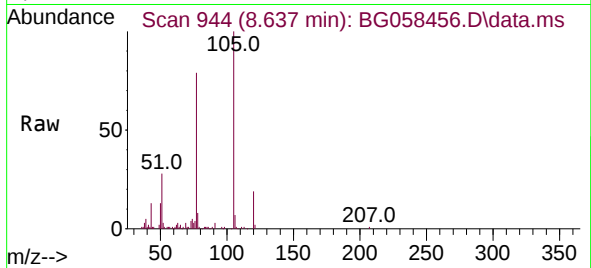
Tgt Ion: 94 Resp: 18244
Ion Ratio Lower Upper
94 100
65 31.8 23.8 35.8
66 37.1 31.2 46.8





#16
Acetophenone
Concen: 14.028 ng/ul
RT: 8.637 min Scan# 944
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

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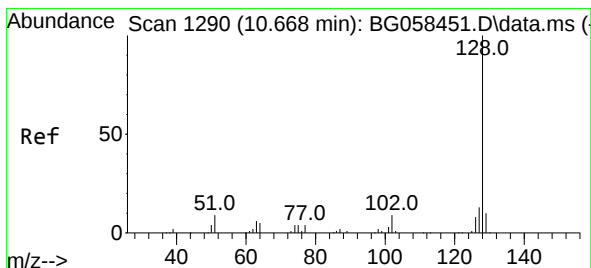
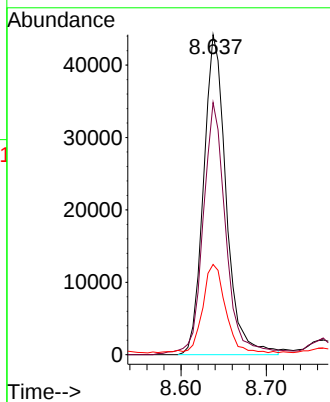
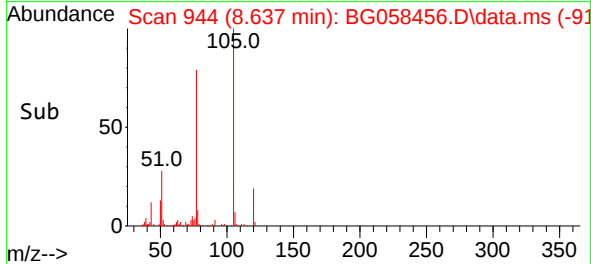
Tgt Ion:105 Resp: 81429
Ion Ratio Lower Upper
105 100
77 78.8 60.7 91.1
51 28.2 23.5 35.3

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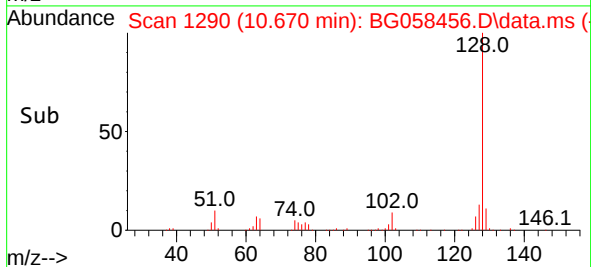
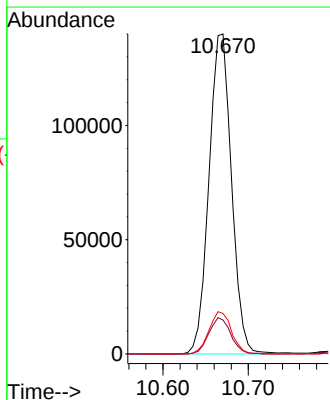
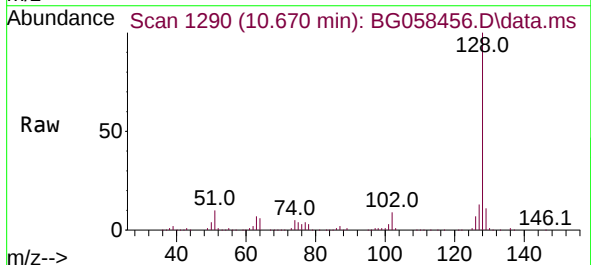
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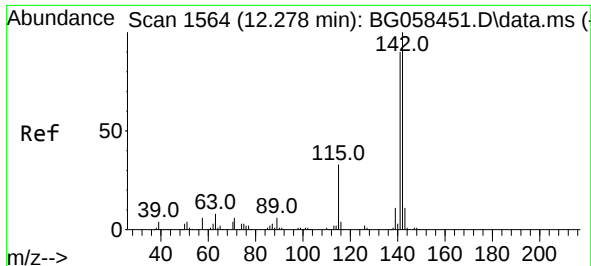
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#30
Naphthalene
Concen: 22.110 ng/ul
RT: 10.670 min Scan# 1290
Delta R.T. 0.003 min
Lab File: BG058456.D
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Tgt Ion:128 Resp: 256876
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.6 10.8 16.2





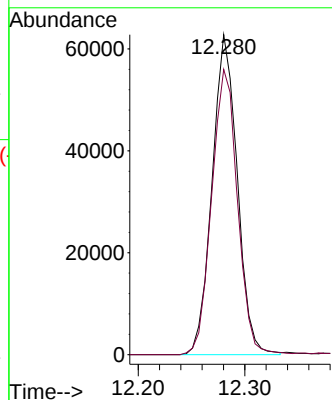
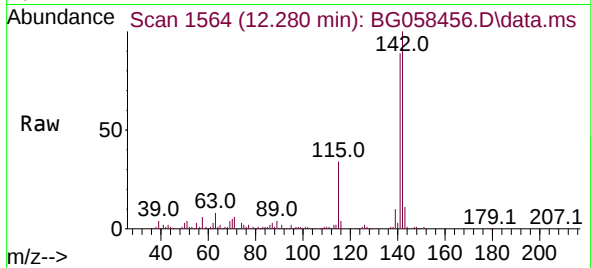
#36
2-Methylnaphthalene
Concen: 13.190 ng/ul
RT: 12.280 min Scan# 1564
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

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Tgt Ion:142 Resp: 102664
Ion Ratio Lower Upper
142 100
141 89.1 72.6 108.8

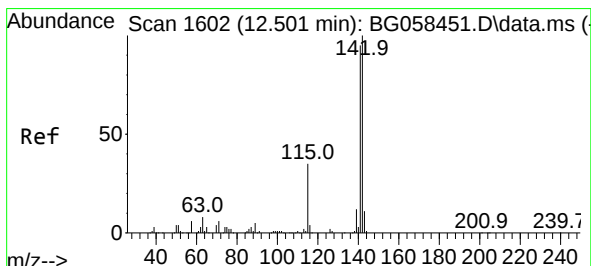
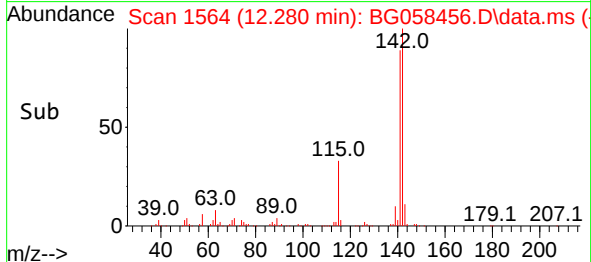
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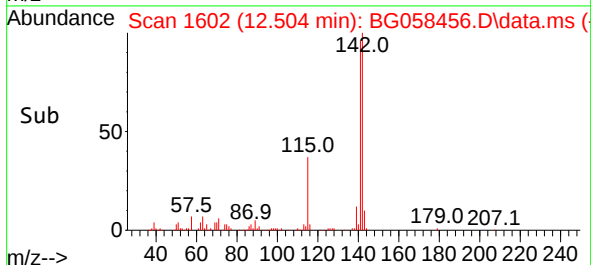
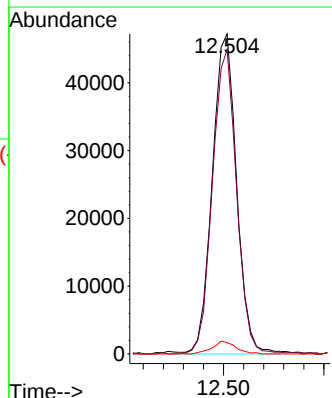
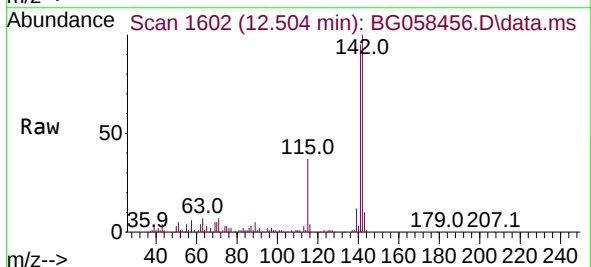
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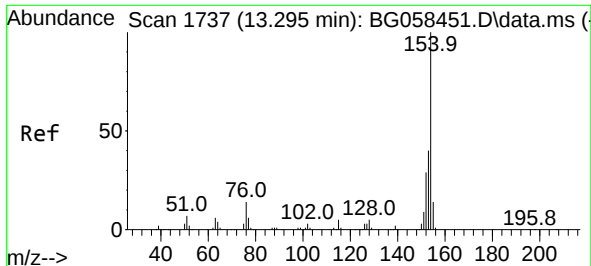
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#37
1-Methylnaphthalene
Concen: 9.952 ng/ul
RT: 12.504 min Scan# 1602
Delta R.T. -0.003 min
Lab File: BG058456.D
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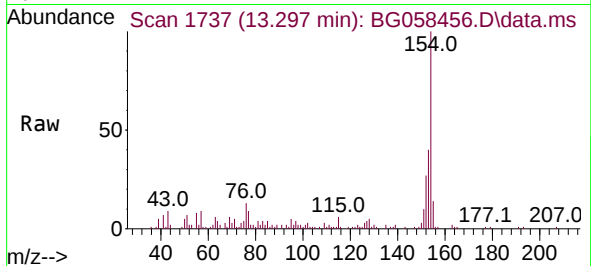
Tgt Ion:142 Resp: 79395
Ion Ratio Lower Upper
142 100
141 95.2 75.8 113.6
116 3.5 3.2 4.8





#43
1,1'-Biphenyl
Concen: 4.233 ng/ul
RT: 13.297 min Scan# 1737
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Instrument :
BNA_G
ClientSampleId :
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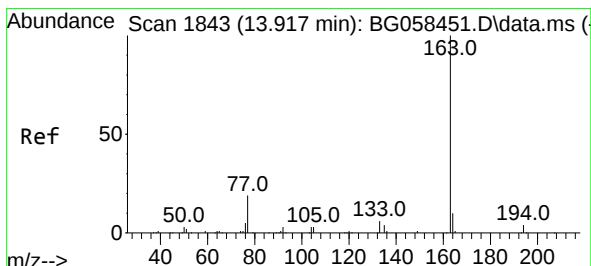
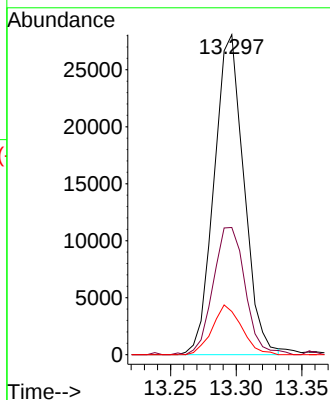
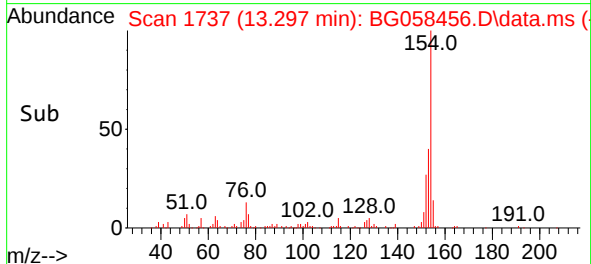
Tgt Ion:154 Resp: 4430
Ion Ratio Lower Upper
154 100
153 39.8 31.8 47.6
76 13.5 11.7 17.5

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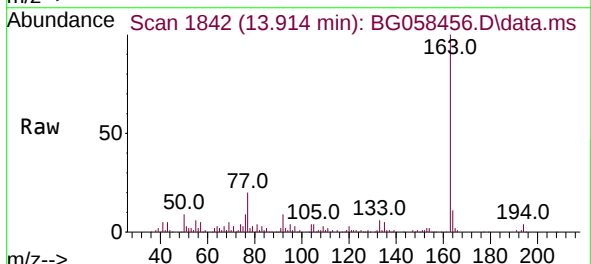
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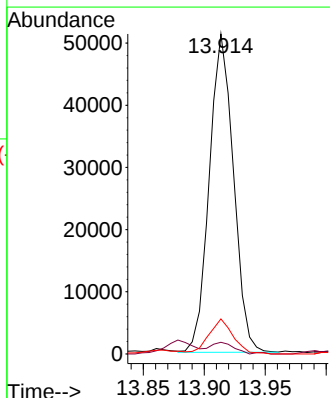
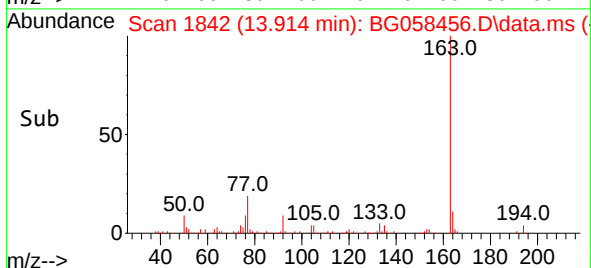
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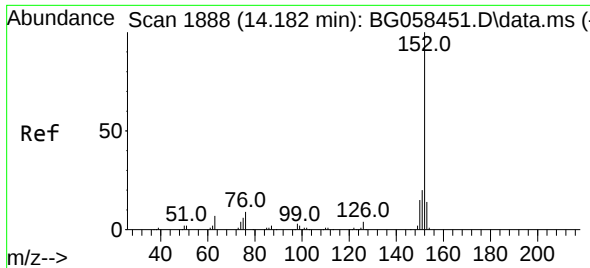


#47
Dimethylphthalate
Concen: 5.902 ng/ul
RT: 13.914 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG058456.D
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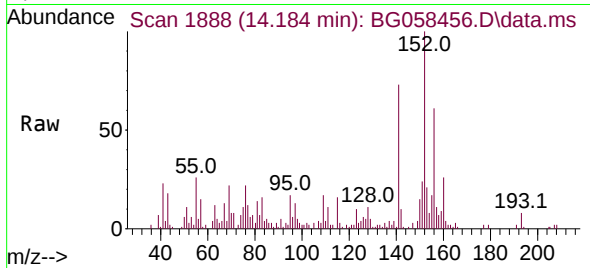
Tgt Ion:163 Resp: 70760
Ion Ratio Lower Upper
163 100
194 3.7 2.6 3.8
164 10.9 8.2 12.2





#50
Acenaphthylene
Concen: 2.457 ng/ul
RT: 14.184 min Scan# 1888
Delta R.T. -0.003 min
Lab File: BG058456.D
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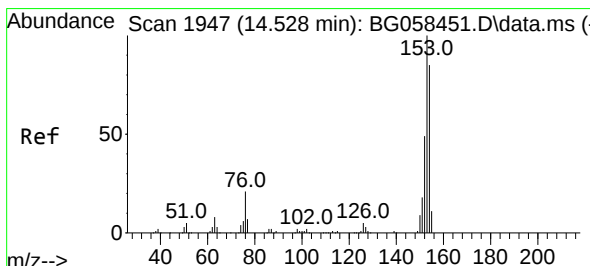
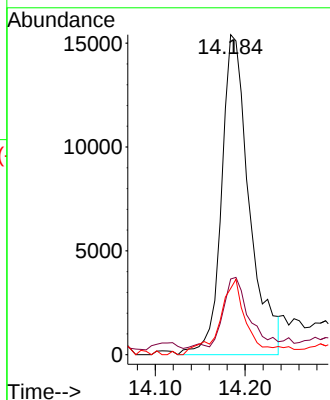
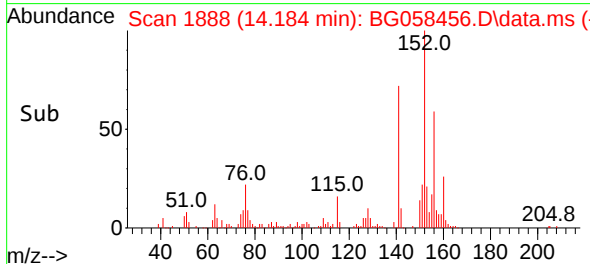
Tgt Ion:152 Resp: 33170
Ion Ratio Lower Upper
152 100
151 23.6 16.4 24.6
153 20.7 10.6 16.0

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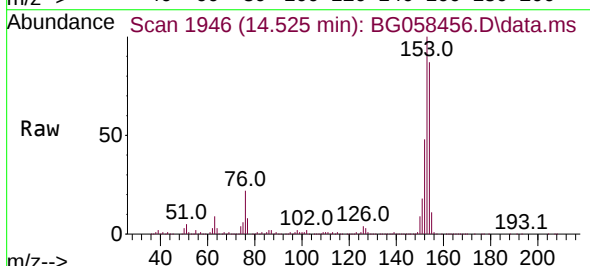
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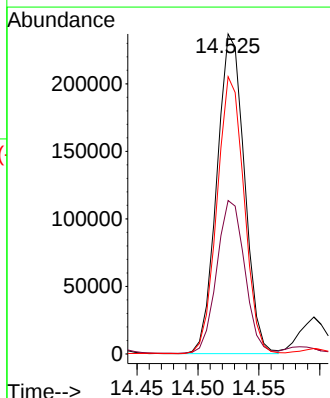
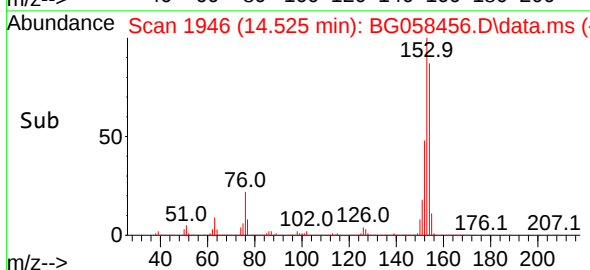
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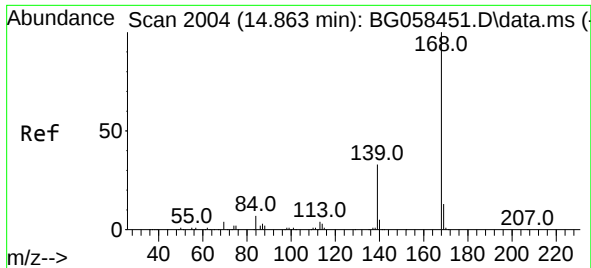


#52
Acenaphthene
Concen: 39.764 ng/ul
RT: 14.525 min Scan# 1946
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44



Tgt Ion:153 Resp: 372741
Ion Ratio Lower Upper
153 100
152 48.0 39.1 58.7
154 86.7 68.7 103.1





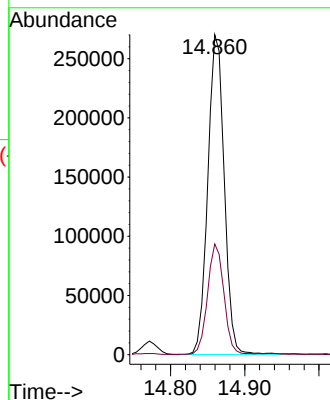
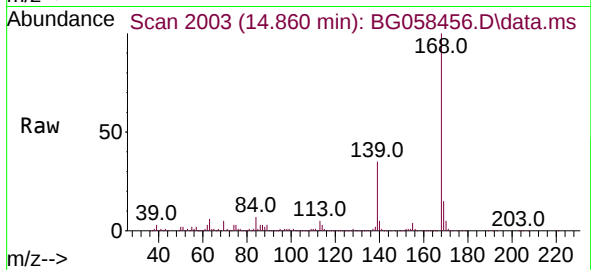
#56
Dibenzofuran
Concen: 31.189 ng/ul
RT: 14.860 min Scan# 2004
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Instrument :
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Tgt Ion:168 Resp: 416299
Ion Ratio Lower Upper
168 100
139 34.6 27.8 41.8

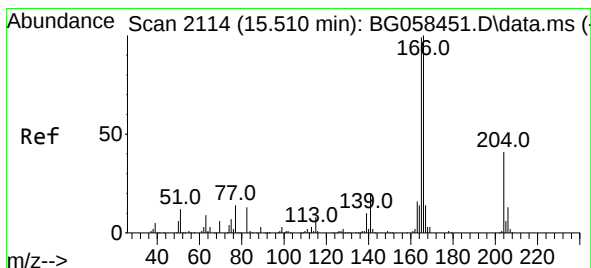
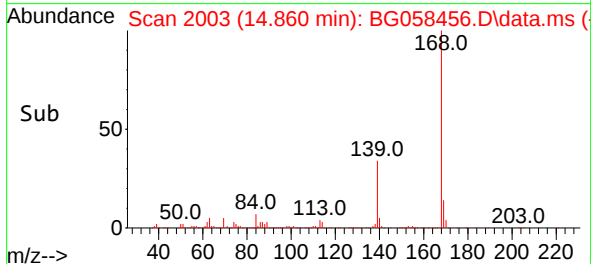
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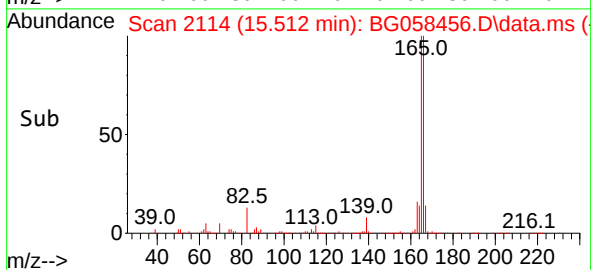
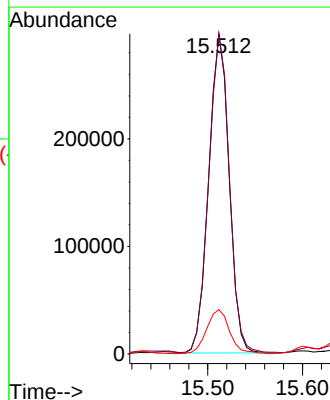
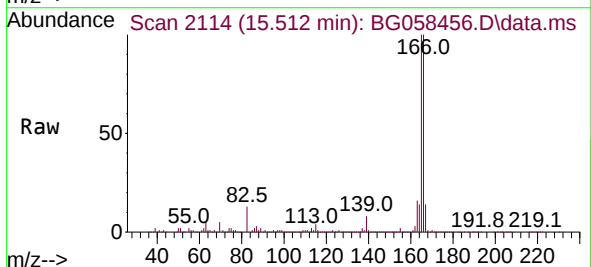
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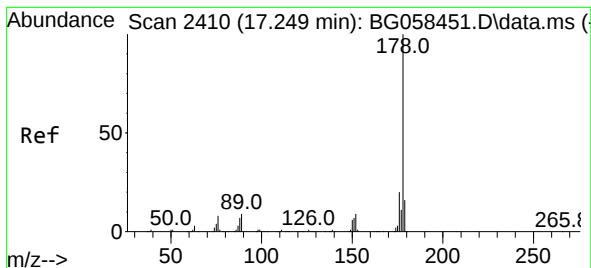
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#61
Fluorene
Concen: 40.658 ng/ul
RT: 15.512 min Scan# 2114
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion:166 Resp: 445032
Ion Ratio Lower Upper
166 100
165 100.0 80.2 120.2
167 13.9 10.5 15.7





#72

Phenanthrene

Concen: 201.161 ng/ul m

RT: 17.263 min Scan# 2410

Delta R.T. 0.009 min

Lab File: BG058456.D

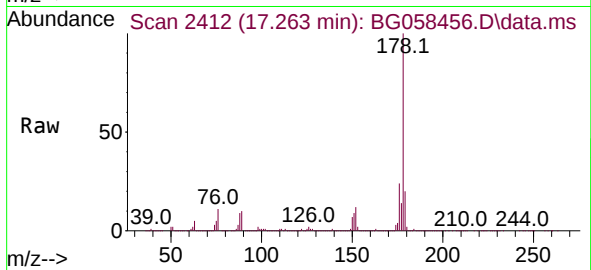
Acq: 25 Jul 2023 21:44

Instrument :

BNA_G

ClientSampleId :

A4734



Tgt Ion:178 Resp: 3157054

Ion Ratio Lower Upper

178 100

179 19.8 11.9 17.9

176 24.0 15.8 23.8

Manual Integrations

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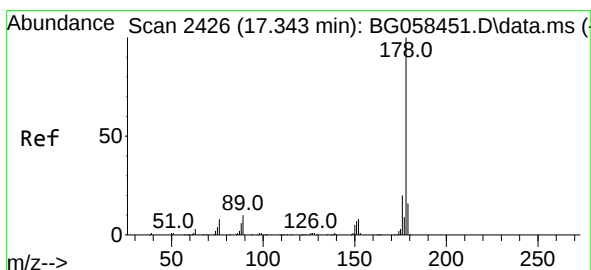
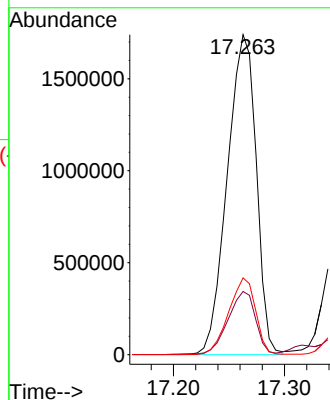
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ahmed

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#74

Anthracene

Concen: 58.149 ng/ul

RT: 17.345 min Scan# 2426

Delta R.T. 0.003 min

Lab File: BG058456.D

Acq: 25 Jul 2023 21:44

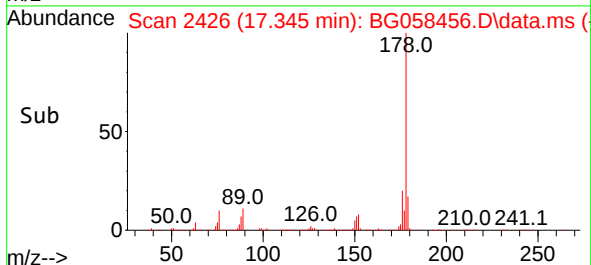
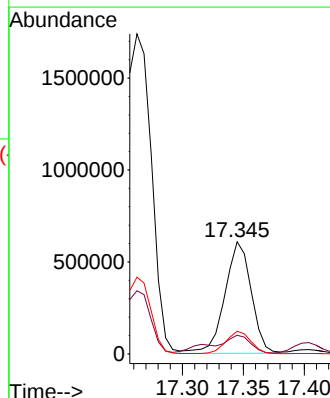
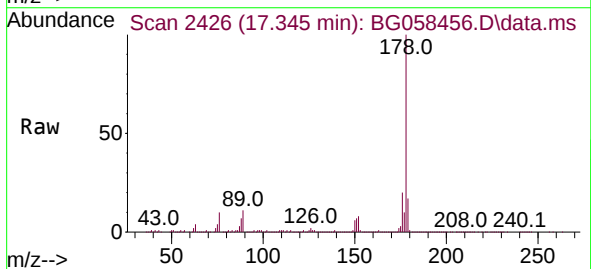
Tgt Ion:178 Resp: 916162

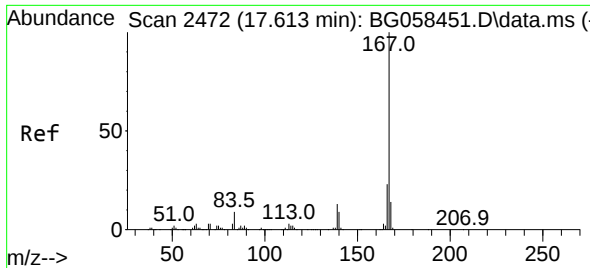
Ion Ratio Lower Upper

178 100

179 16.8 13.4 20.2

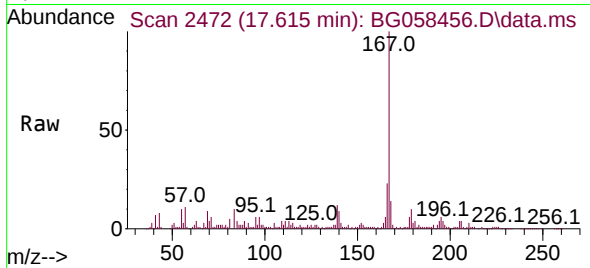
176 20.2 16.2 24.2





#77
 Carbazole
 Concen: 8.989 ng/ul
 RT: 17.615 min Scan# 2472
 Delta R.T. -0.003 min
 Lab File: BG058456.D
 Acq: 25 Jul 2023 21:44

Instrument :
 BNA_G
 ClientSampleId :
 A4734



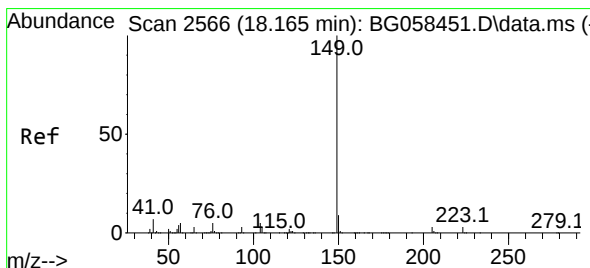
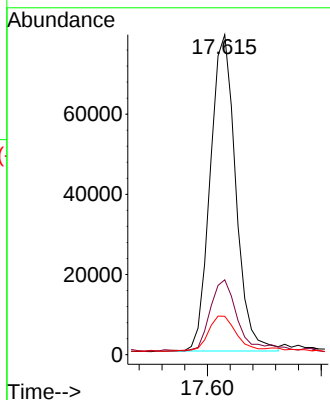
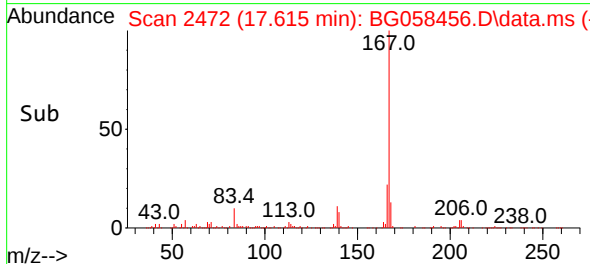
Tgt Ion:167 Resp: 12276
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.8 26.8
 139 12.0 9.4 14.0

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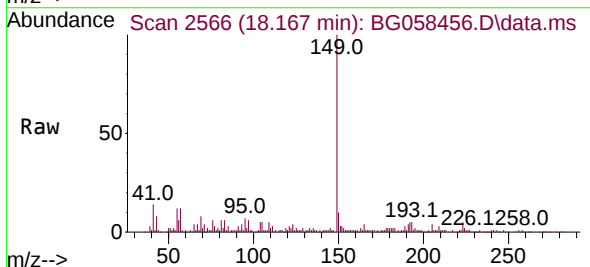
Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

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 ahmed

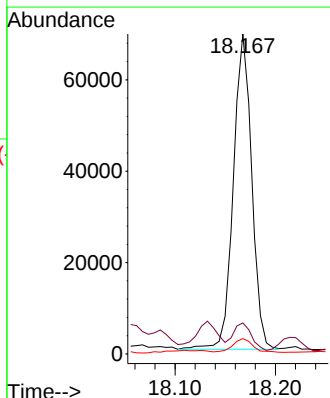
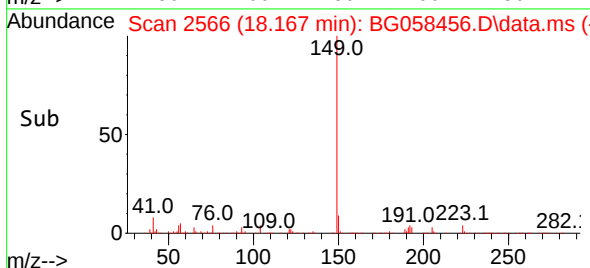
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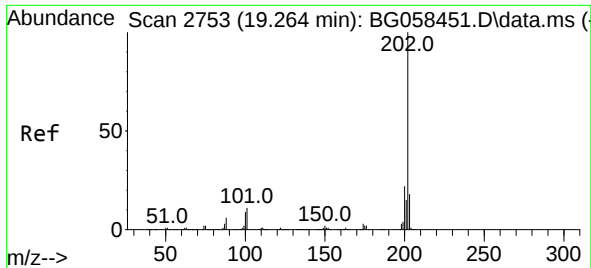


#78
 Di-n-butylphthalate
 Concen: 5.066 ng/ul
 RT: 18.167 min Scan# 2566
 Delta R.T. -0.003 min
 Lab File: BG058456.D
 Acq: 25 Jul 2023 21:44



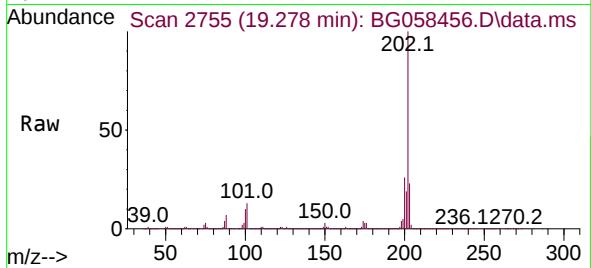
Tgt Ion:149 Resp: 87912
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.2 10.8
 104 4.8 3.9 5.9





#80
Fluoranthene
Concen: 188.602 ng/ul m
RT: 19.278 min Scan# 2753
Delta R.T. 0.009 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Instrument :
BNA_G
ClientSampleId :
A4734



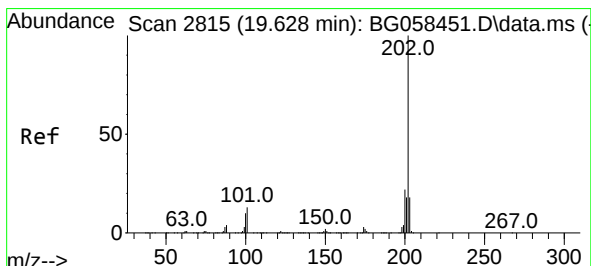
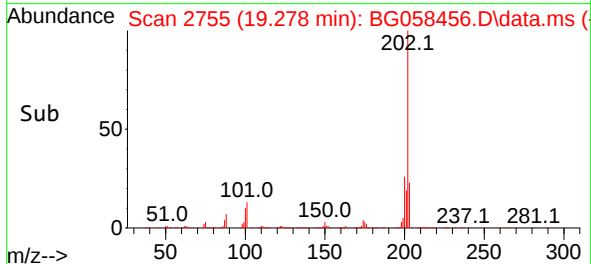
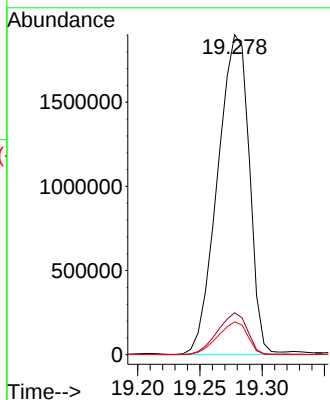
Tgt Ion:202 Resp: 3358529
Ion Ratio Lower Upper
202 100
101 13.1 8.6 12.8
100 10.2 7.2 10.8

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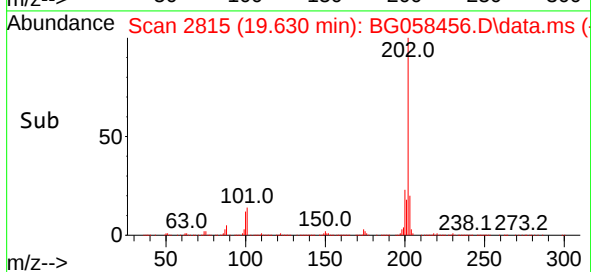
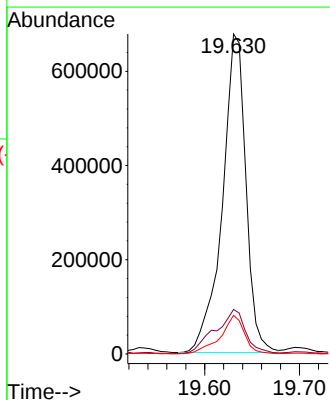
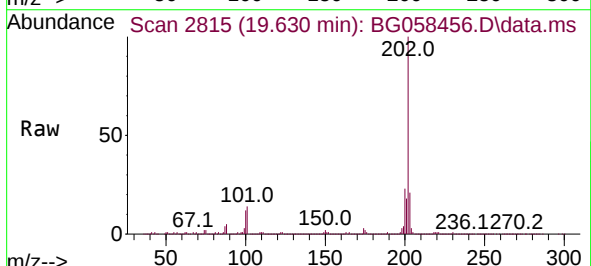
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Supervised By :mohammad
ahmed

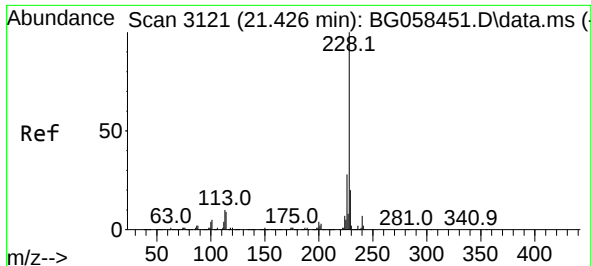
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#82
Pyrene
Concen: 64.749 ng/ul
RT: 19.630 min Scan# 2815
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

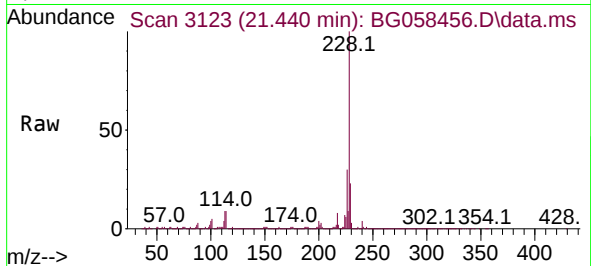
Tgt Ion:202 Resp: 1168289
Ion Ratio Lower Upper
202 100
101 13.9 10.2 15.2
100 12.0 8.9 13.3





#85
Benzo(a)anthracene
Concen: 100.739 ng/ul
RT: 21.440 min Scan# 3121
Delta R.T. 0.009 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Instrument :
BNA_G
ClientSampleId :
A4734



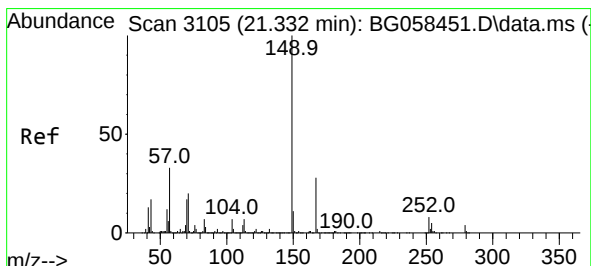
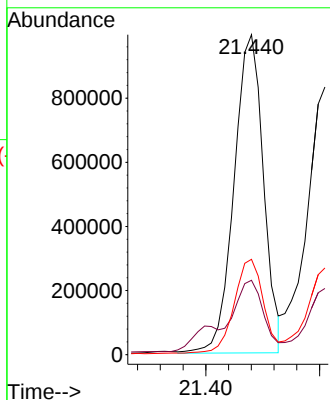
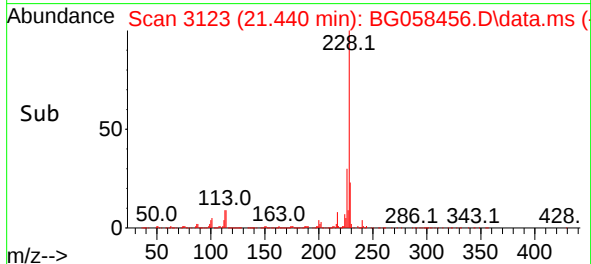
Tgt Ion:228 Resp: 178202
Ion Ratio Lower Upper
228 100
229 23.2 15.7 23.5
226 29.8 21.8 32.8

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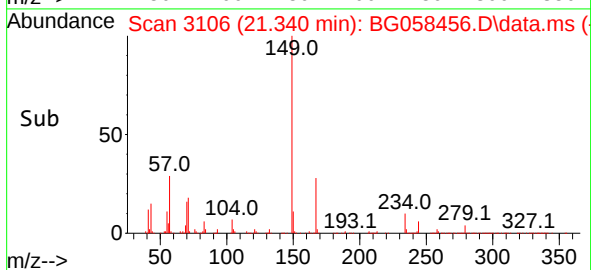
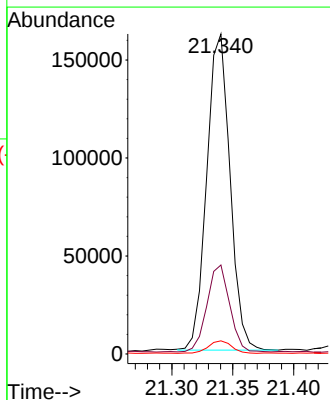
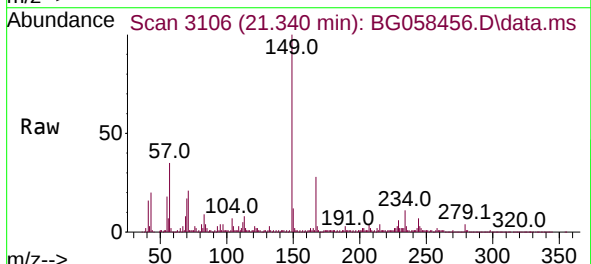
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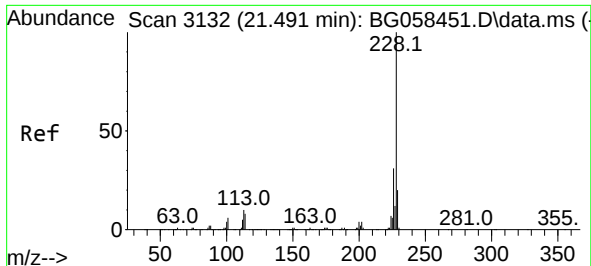
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#86
Bis(2-ethylhexyl)phthalate
Concen: 21.164 ng/ul
RT: 21.340 min Scan# 3106
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

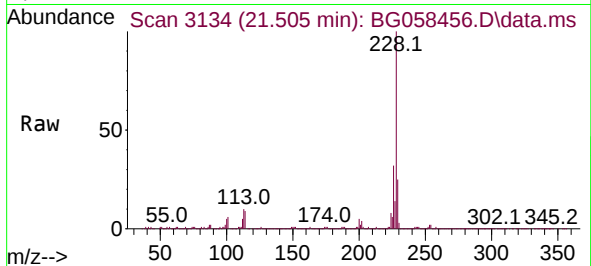
Tgt Ion:149 Resp: 213878
Ion Ratio Lower Upper
149 100
167 27.8 21.6 32.4
279 4.1 3.0 4.4





#87
Chrysene
Concen: 88.619 ng/ul m
RT: 21.505 min Scan# 3132
Delta R.T. 0.009 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Instrument :
BNA_G
ClientSampleId :
A4734



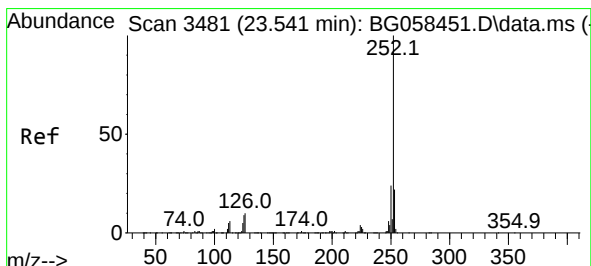
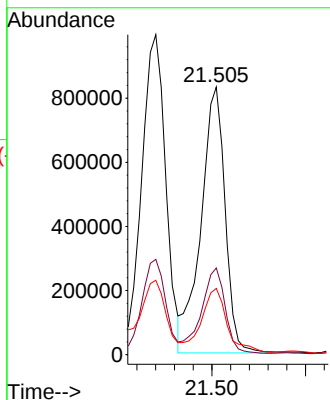
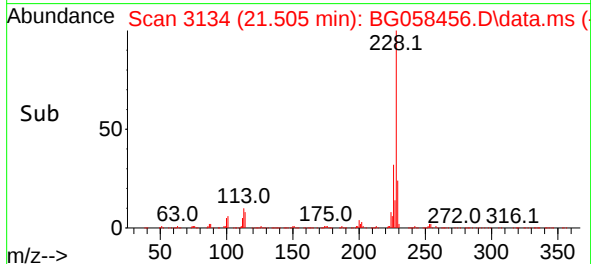
Tgt Ion:228 Resp: 148694
Ion Ratio Lower Upper
228 100
226 32.4 24.0 36.0
229 24.8 15.8 23.8

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Supervised By :mohammad ahmed 07/26/2023

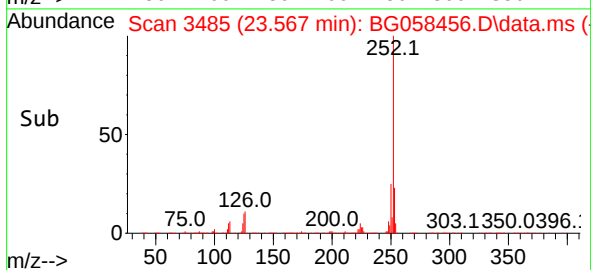
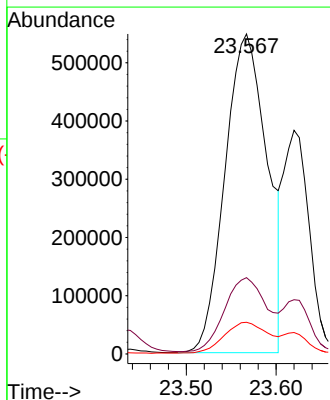
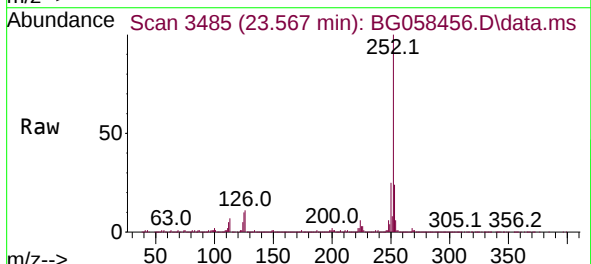
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ahmed

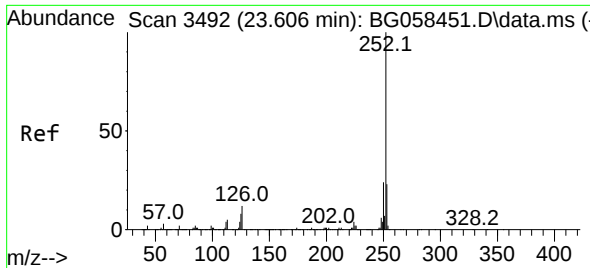
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#90
Benzo(b)fluoranthene
Concen: 87.082 ng/ul
RT: 23.567 min Scan# 3485
Delta R.T. 0.020 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

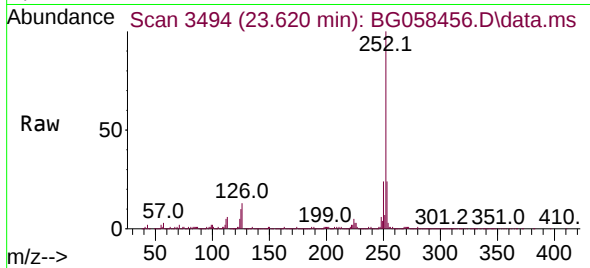
Tgt Ion:252 Resp: 1787828
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 9.9 6.7 10.1





#91
Benzo(k)fluoranthene
Concen: 36.633 ng/u1
RT: 23.620 min Scan# 3494
Delta R.T. 0.009 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Instrument :
BNA_G
ClientSampleId :
A4734



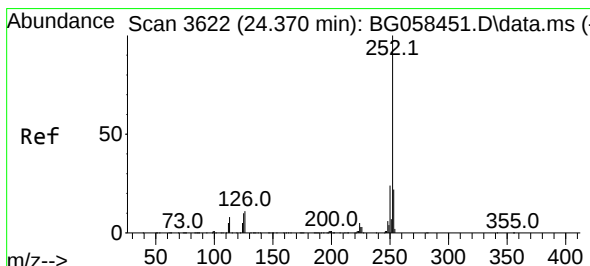
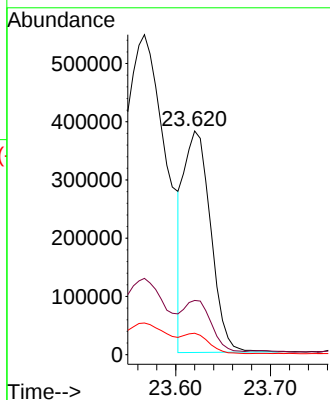
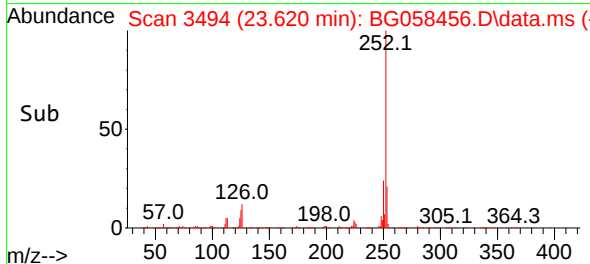
Tgt Ion:252 Resp: 750089
Ion Ratio Lower Upper
252 100
253 24.3 18.3 27.5
125 9.6 7.4 11.0

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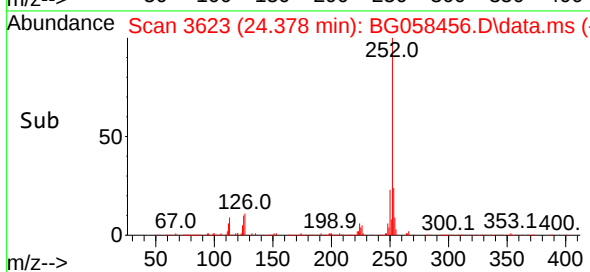
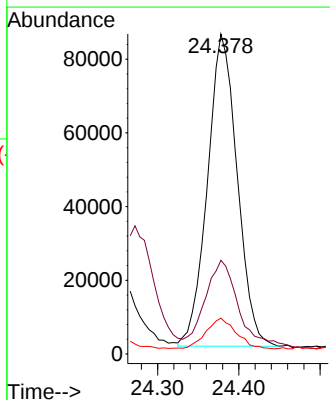
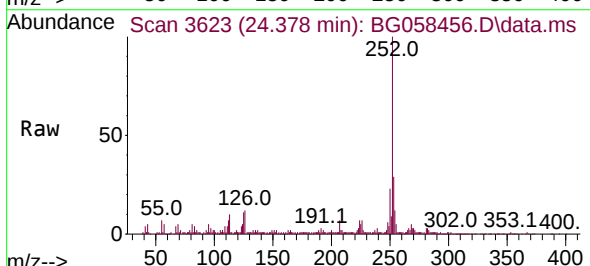
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ahmed

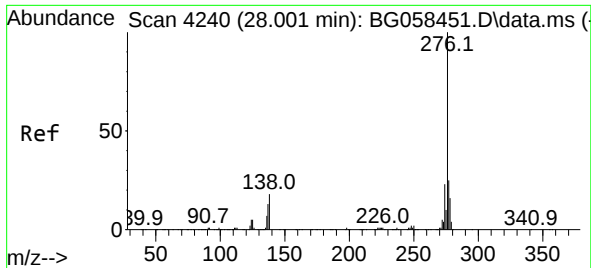
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#93
Benzo(a)pyrene
Concen: 11.811 ng/u1
RT: 24.378 min Scan# 3623
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion:252 Resp: 215677
Ion Ratio Lower Upper
252 100
253 29.2 17.4 26.0#
125 11.2 7.7 11.5





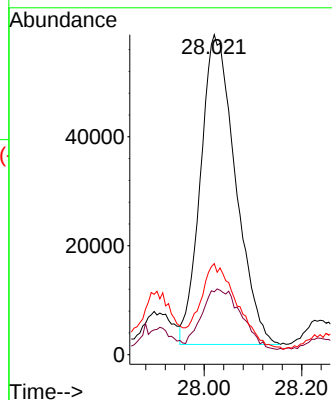
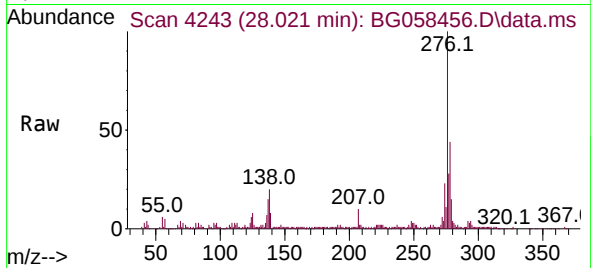
#94
 Indeno(1,2,3-cd)pyrene
 Concen: 11.791 ng/ul
 RT: 28.021 min Scan# 41
 Delta R.T. 0.009 min
 Lab File: BG058456.D
 Acq: 25 Jul 2023 21:44

Instrument :
 BNA_G
 ClientSampleId :
 A4734

Tgt Ion:276 Resp: 28368
 Ion Ratio Lower Upper
 276 100
 138 19.7 13.8 20.6
 277 28.5 19.2 28.8

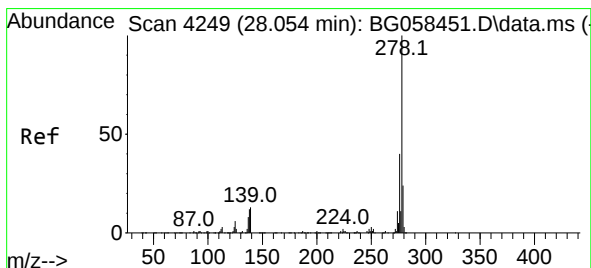
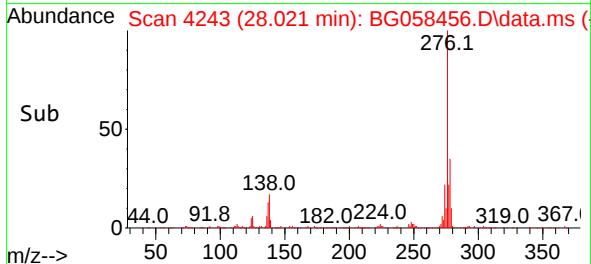
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 ahmed

07/26/2023



#95
 Dibenzo(a,h)anthracene
 Concen: 13.211 ng/ul
 RT: 28.068 min Scan# 4251
 Delta R.T. -0.003 min
 Lab File: BG058456.D
 Acq: 25 Jul 2023 21:44

Tgt Ion:278 Resp: 260630
 Ion Ratio Lower Upper
 278 100
 139 12.5 10.4 15.6
 279 29.0 18.4 27.6#

