

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056526.D
 Acq On : 2 Feb 2023 22:58
 Operator : CG/JU
 Sample : 01374-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-3-13123-ADL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

Quant Time: Feb 03 06:00:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

Supervised By : Jagrut
 Upadhyay
 02/03/2023
 02/03/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.277	152	48981	20.000	ng	# 0.00
21) Naphthalene-d8	11.109	136	185193	20.000	ng	0.00
39) Acenaphthene-d10	14.898	164	134119	20.000	ng	0.00
64) Phenanthrene-d10	17.636	188	305030	20.000	ng	0.00
76) Chrysene-d12	21.925	240	292544	20.000	ng	0.00
86) Perylene-d12	25.357	264	330499	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	58884	22.115	ng	0.00
7) Phenol-d6	7.419	99	81764	20.725	ng	0.00
23) Nitrobenzene-d5	9.452	82	44269	13.574	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	32993	18.504	ng	0.00
45) 2-Fluorobiphenyl	13.524	172	128451	13.278	ng	0.00
79) Terphenyl-d14	20.210	244	199169	11.958	ng	0.00
Target Compounds						
31) Naphthalene	11.162	128	78160	7.996	ng	Qvalue 96
37) 2-Methylnaphthalene	12.748	142	29079	3.609	ng	98
38) 1-Methylnaphthalene	12.965	142	22618	3.005	ng	97
52) Acenaphthene	14.963	154	35419	4.828	ng	98
55) Dibenzofuran	15.292	168	66068	5.022	ng	97
58) Fluorene	15.938	166	72714	6.946	ng	97
71) Phenanthrene	17.677	178	532357	33.346	ng	98
72) Anthracene	17.772	178	111705	6.816	ng	99
73) Carbazole	18.036	167	41716	2.989	ng	98
75) Fluoranthene	19.675	202	596934	29.625	ng	99
78) Pyrene	20.034	202	524933	25.229	ng	99
81) Benzo(a)anthracene	21.908	228	272123	13.305	ng	99
83) Chrysene	21.978	228	232657	12.108	ng	97
87) Indeno(1,2,3-cd)pyrene	29.299	276	159439	6.590	ng	# 94
88) Benzo(b)fluoranthene	24.264	252	334009	16.282	ng	99
89) Benzo(k)fluoranthene	24.329	252	107700m	5.200	ng	
90) Benzo(a)pyrene	25.198	252	274652	13.592	ng	100
92) Benzo(g,h,i)perylene	30.545	276	148636	7.586	ng	# 97

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

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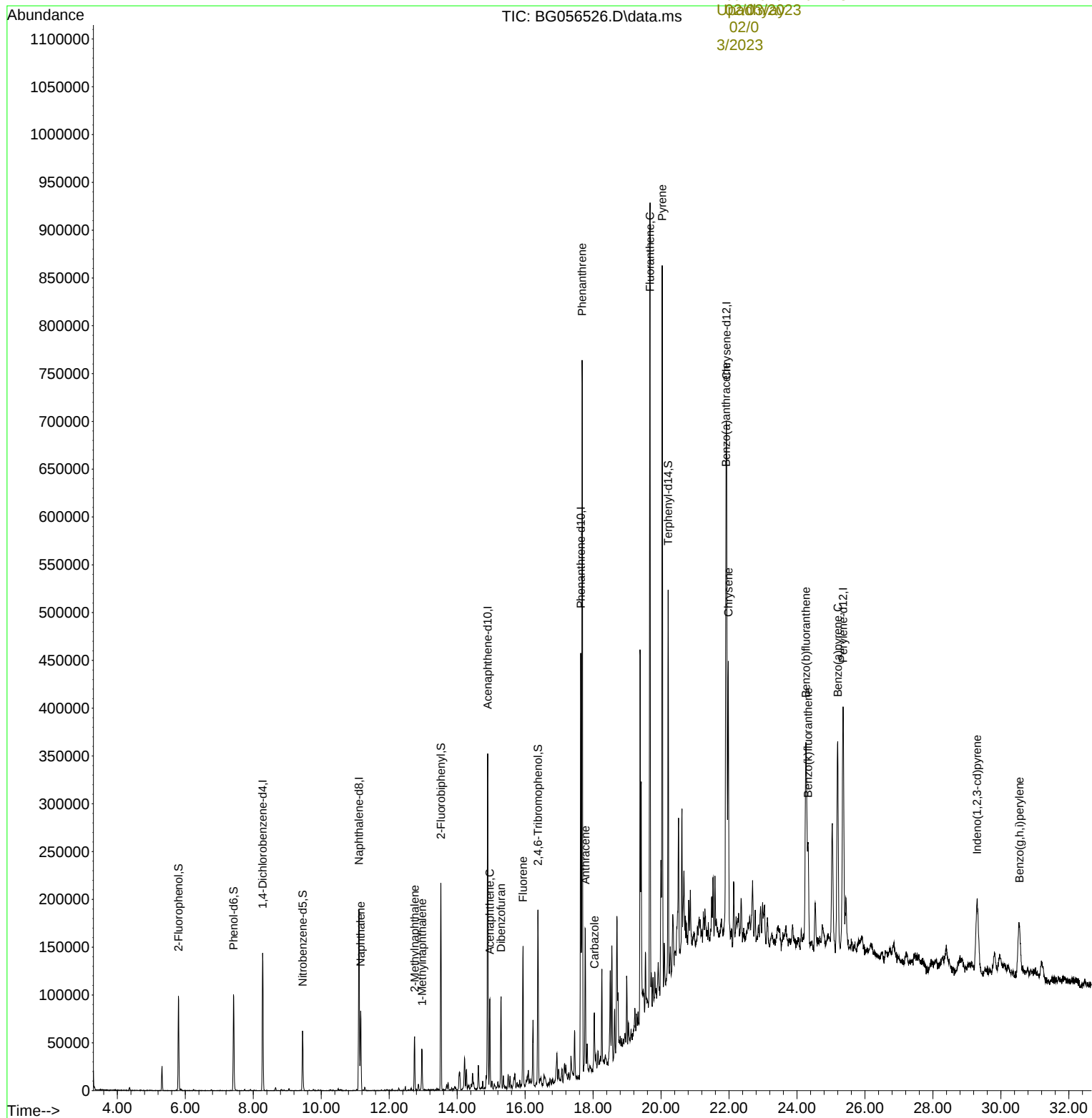
Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

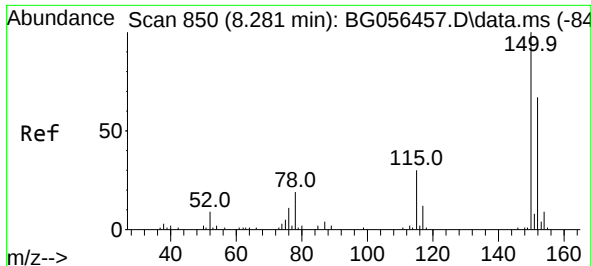
Quant Time: Feb 03 06:00:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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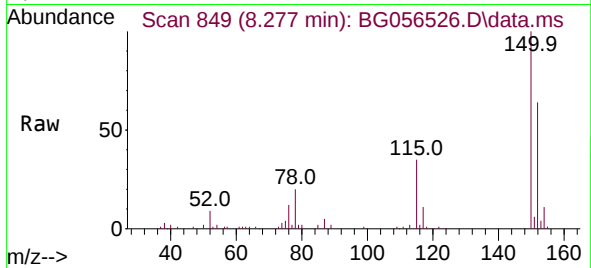
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02/03/2023
02/03/2023
3/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.277 min Scan# 849
Delta R.T. 0.002 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

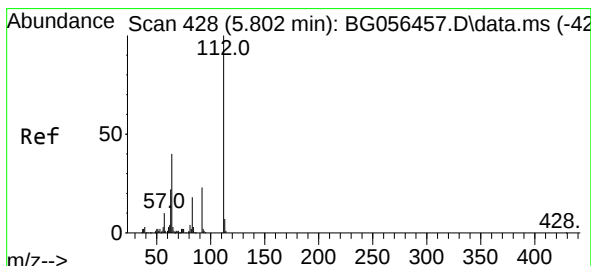
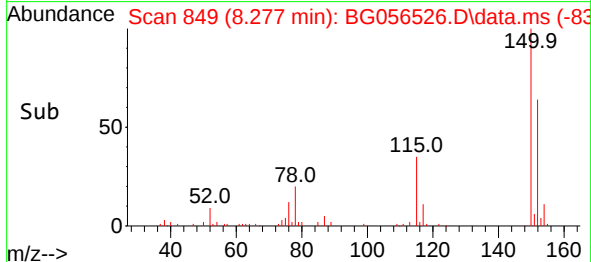
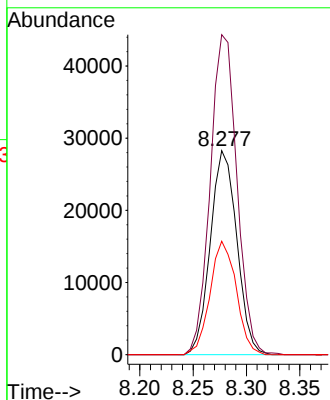


Tgt Ion:152 Resp: 4898
Ion Ratio Lower Upper
152 100
150 156.9 120.2 180.4
115 55.6 36.3 54.5

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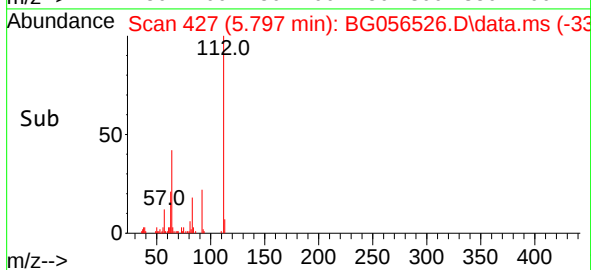
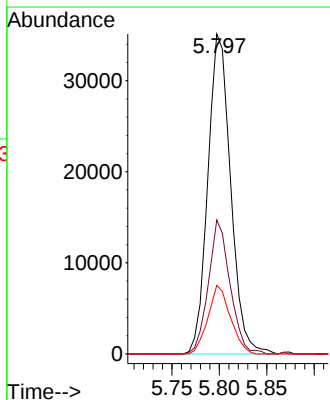
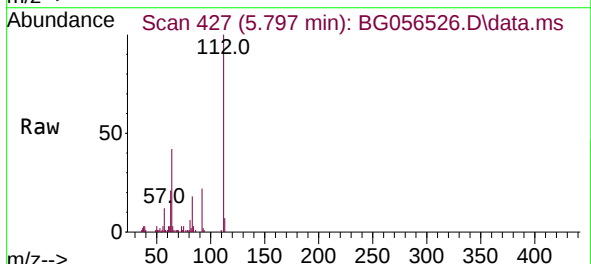
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Supervised By :Jagrut Upadhyay 02/03/2023

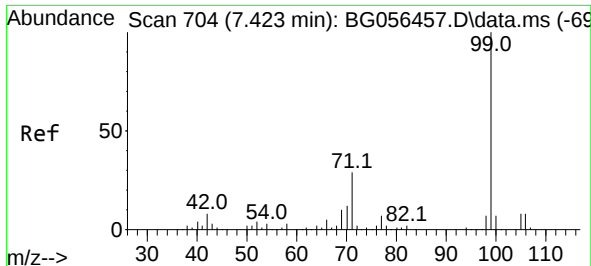
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#5
2-Fluorophenol
Concen: 22.115 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion:112 Resp: 58884
Ion Ratio Lower Upper
112 100
64 41.8 31.9 47.9
63 21.4 17.4 26.0





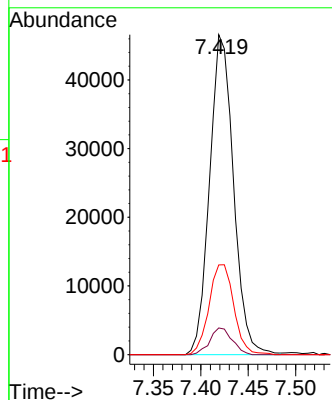
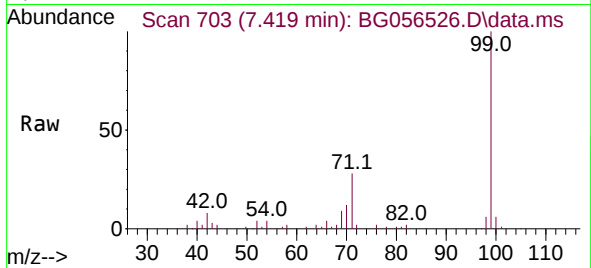
#7
Phenol-d6
Concen: 20.725 ng
RT: 7.419 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

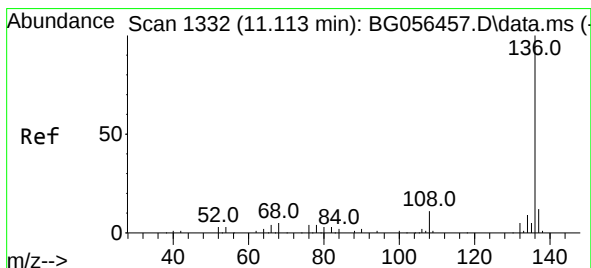
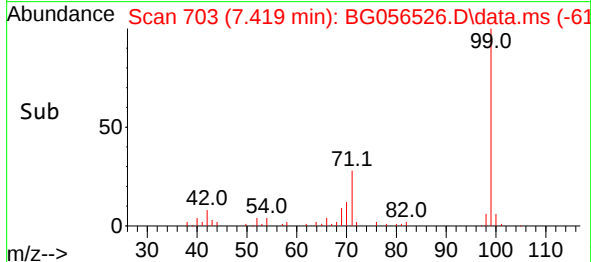
Tgt Ion: 99 Resp: 81764
Ion Ratio Lower Upper
99 100
42 8.3 6.6 10.0
71 28.0 23.4 35.0

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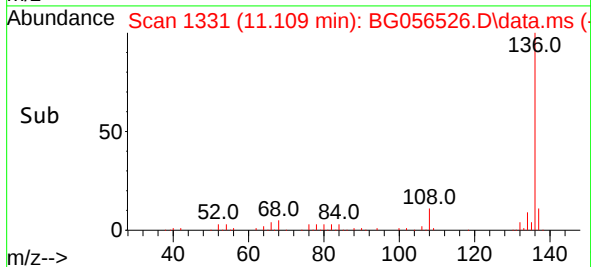
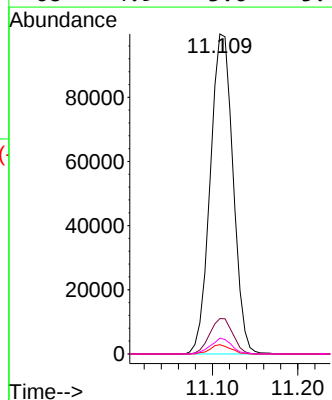
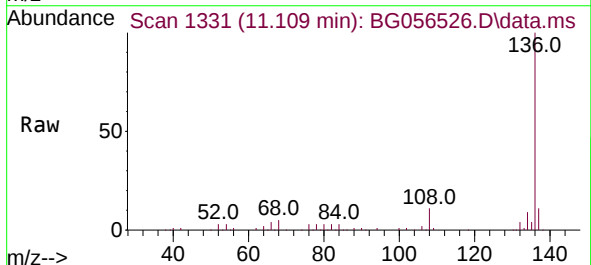


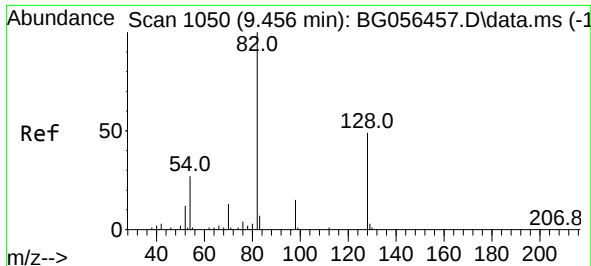
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.109 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion:136 Resp: 185193
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.0
54 2.9 2.2 3.4
68 4.9 3.6 5.4





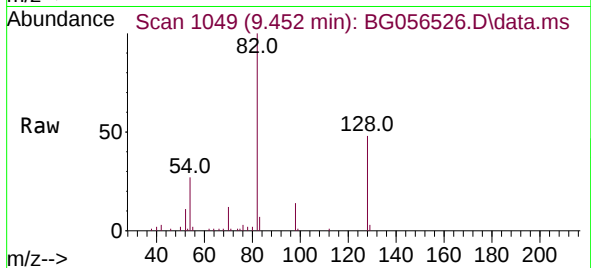
#23
Nitrobenzene-d5
Concen: 13.574 ng
RT: 9.452 min Scan# 1049
Delta R.T. -0.005 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :

BNA_G

ClientSampleId :

JC-3-13123-ADL

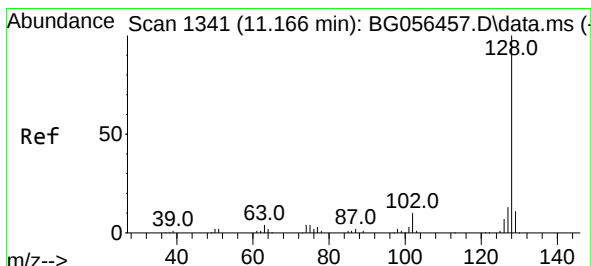
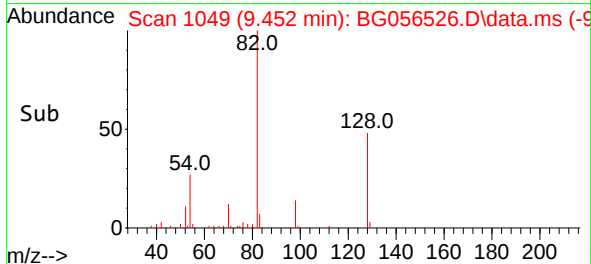
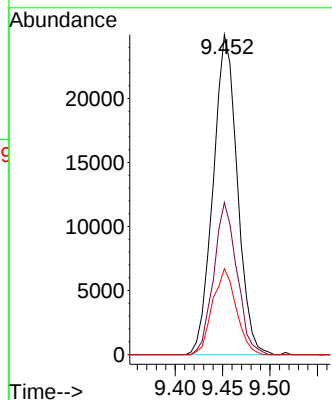


Tgt Ion: 82 Resp: 44269
Ion Ratio Lower Upper
82 100
128 47.5 39.4 59.2
54 26.8 21.4 32.2

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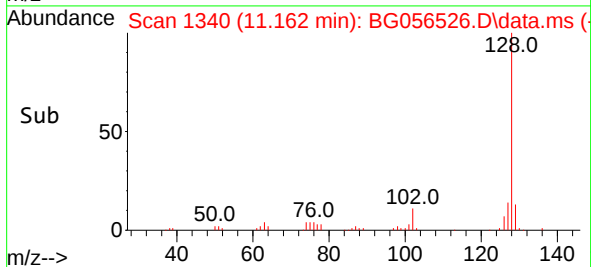
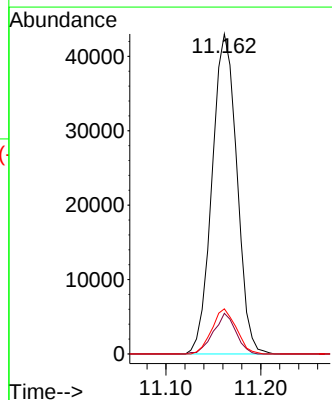
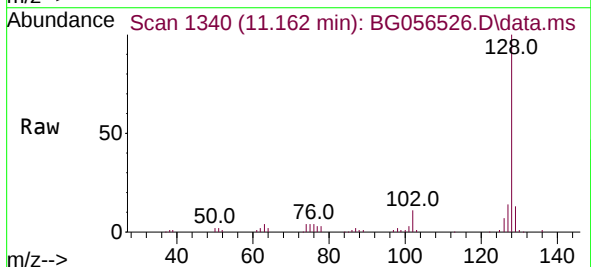
Reviewed By :Christian Giraldo 02/03/2023
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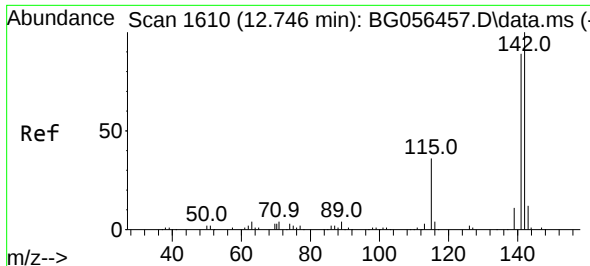
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#31
Naphthalene
Concen: 7.996 ng
RT: 11.162 min Scan# 1340
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

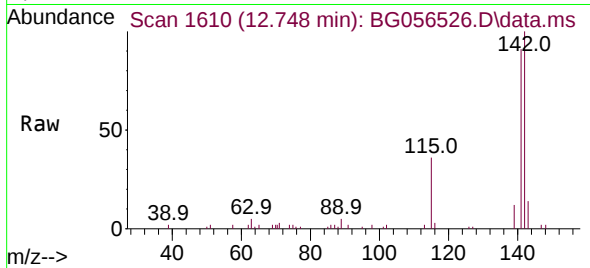
Tgt Ion:128 Resp: 78160
Ion Ratio Lower Upper
128 100
129 12.7 8.7 13.1
127 14.1 10.4 15.6





#37
2-Methylnaphthalene
Concen: 3.609 ng
RT: 12.748 min Scan# 1610
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
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ClientSampleId :
JC-3-13123-ADL

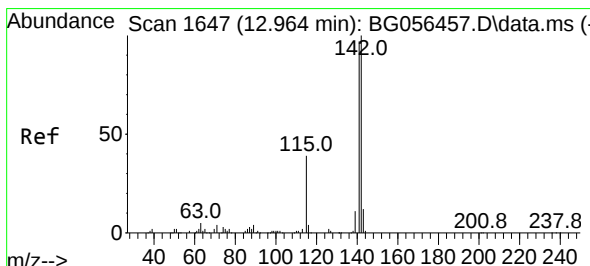
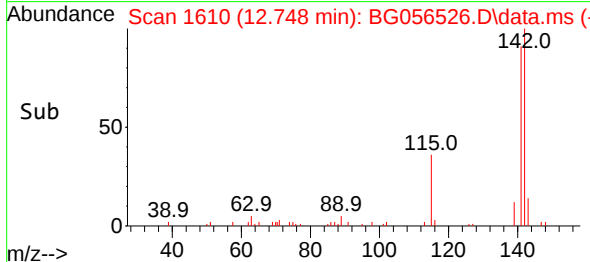
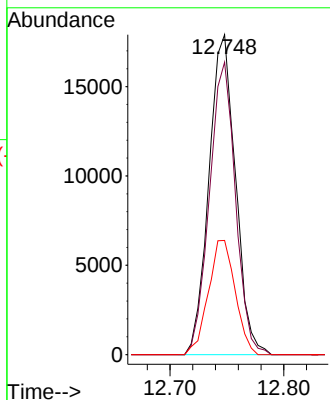


Tgt Ion:142 Resp: 29079
Ion Ratio Lower Upper
142 100
141 91.4 71.4 107.0
115 35.7 28.4 42.6

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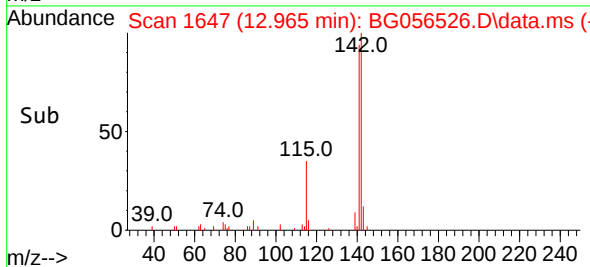
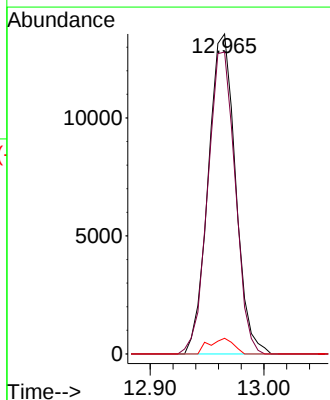
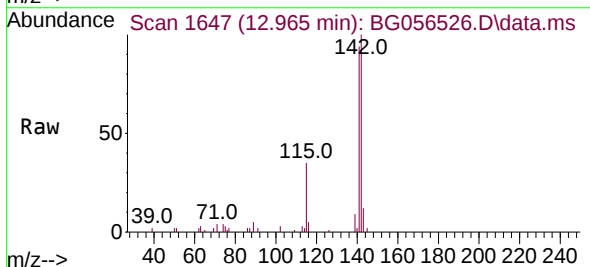
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Supervised By :Jagrut Upadhyay 02/03/2023

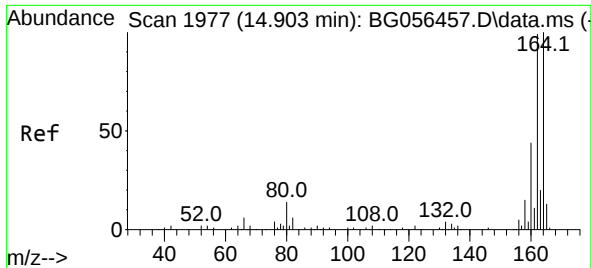
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02/03/2023
02/0
3/2023



#38
1-Methylnaphthalene
Concen: 3.005 ng
RT: 12.965 min Scan# 1647
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

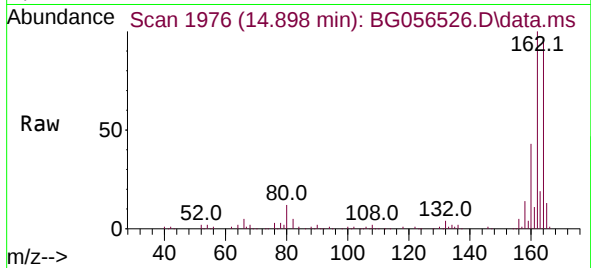
Tgt Ion:142 Resp: 22618
Ion Ratio Lower Upper
142 100
141 94.3 77.7 116.5
116 4.9 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.898 min Scan# 1977
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
BNA_G
Client Sample Id :
JC-3-13123-ADL

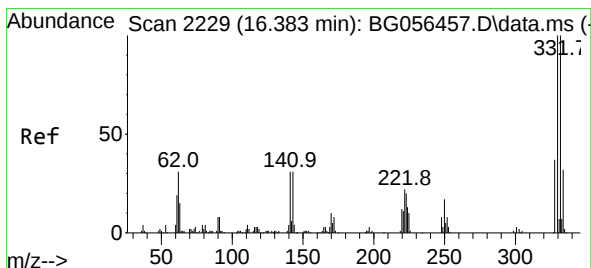
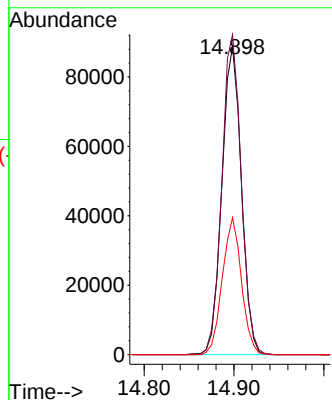


Tgt Ion:164 Resp: 134119
Ion Ratio Lower Upper
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162 103.9 79.6 119.4
160 44.5 34.9 52.3

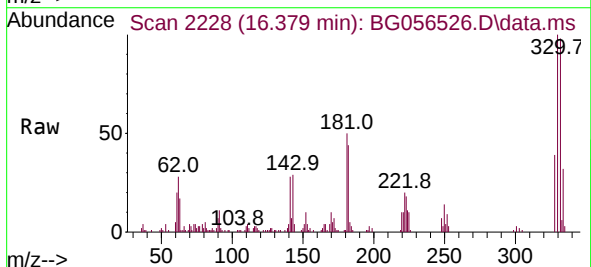
Manual Integrations
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Supervised By :Jagrut Upadhyay 02/03/2023

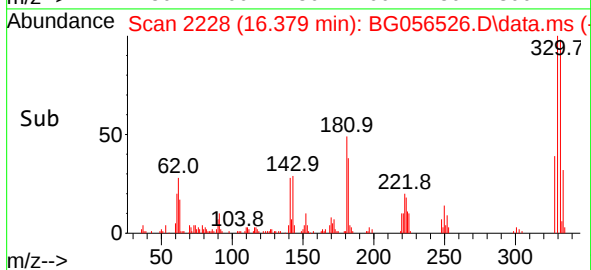
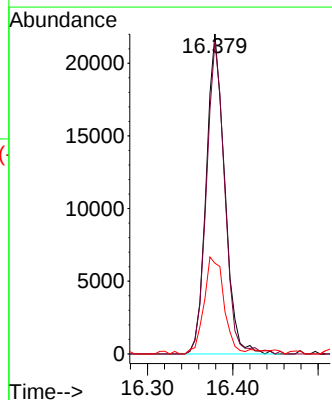
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02/0
3/2023

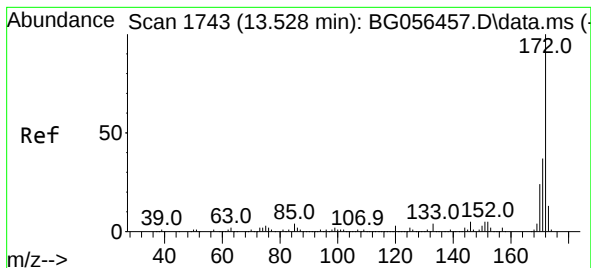


#42
2,4,6-Tribromophenol
Concen: 18.504 ng
RT: 16.379 min Scan# 2228
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58



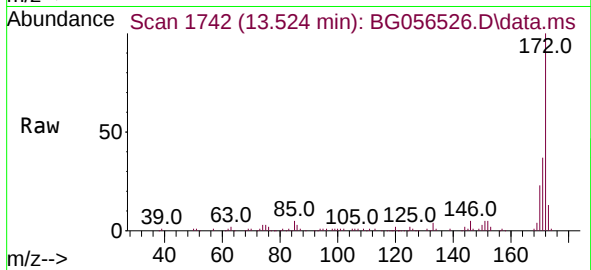
Tgt Ion:330 Resp: 32993
Ion Ratio Lower Upper
330 100
332 96.7 79.0 118.6
141 32.7 24.2 36.4





#45
2-Fluorobiphenyl
Concen: 13.278 ng
RT: 13.524 min Scan# 1743
Delta R.T. 0.001 min
Lab File: BG056526.D
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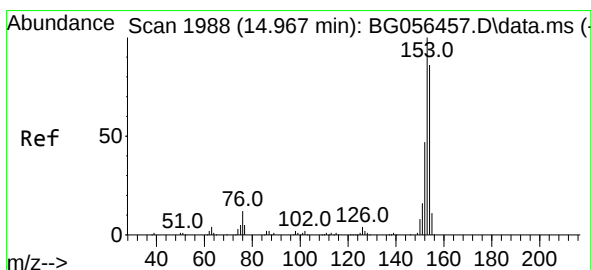
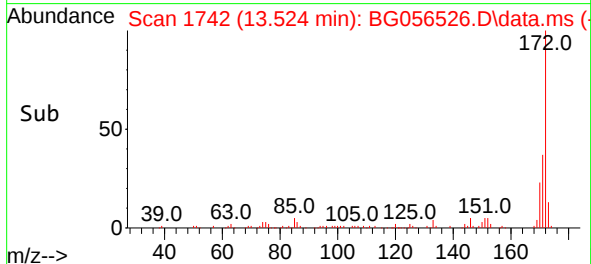
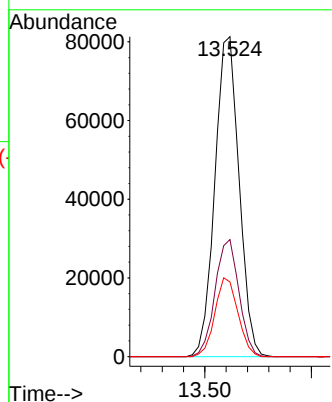


Tgt Ion:172 Resp: 12845
Ion Ratio Lower Upper
172 100
171 36.6 29.5 44.3
170 23.3 19.2 28.8

Manual Integrations
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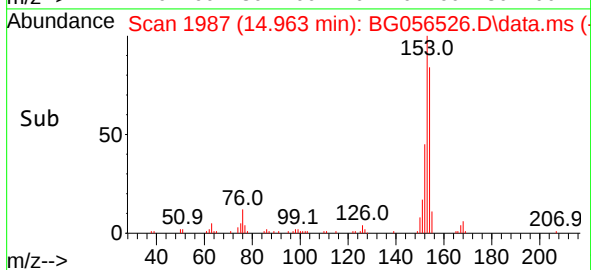
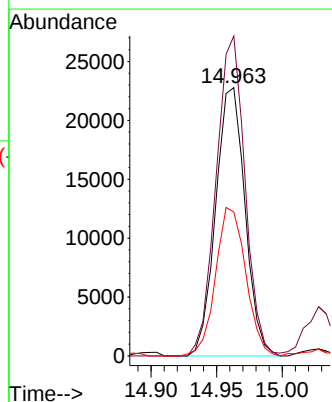
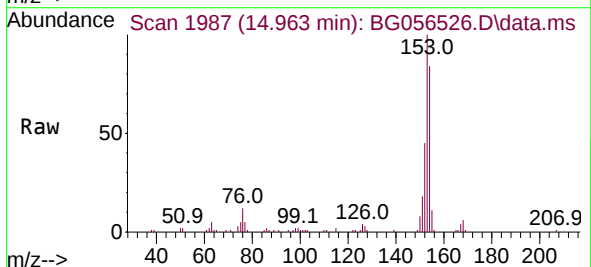
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

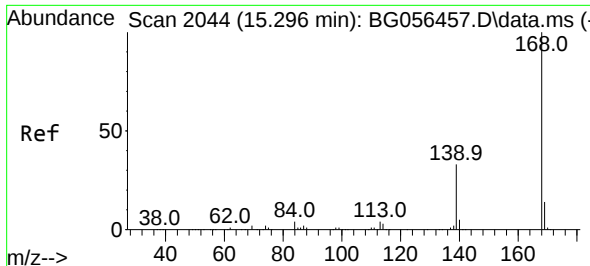
Supervised By :Jagrut
Upadhyay
02/03/2023
02/03/2023



#52
Acenaphthene
Concen: 4.828 ng
RT: 14.963 min Scan# 1987
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

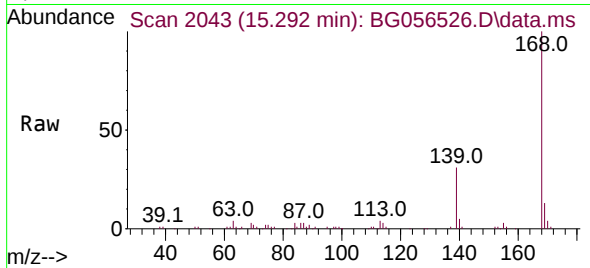
Tgt Ion:154 Resp: 35419
Ion Ratio Lower Upper
154 100
153 119.3 93.4 140.0
152 53.6 43.4 65.2





#55
Dibenzofuran
Concen: 5.022 ng
RT: 15.292 min Scan# 2044
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
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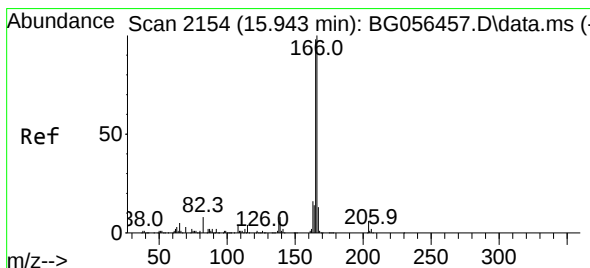
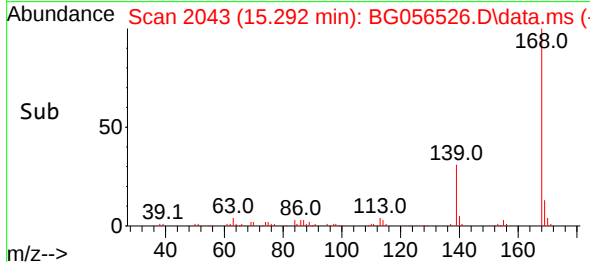
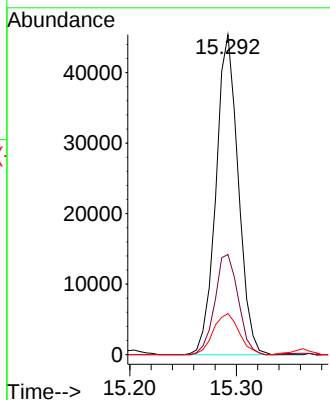


Tgt Ion:168 Resp: 66068
Ion Ratio Lower Upper
168 100
139 31.3 26.2 39.2
169 12.8 11.0 16.6

Manual Integrations
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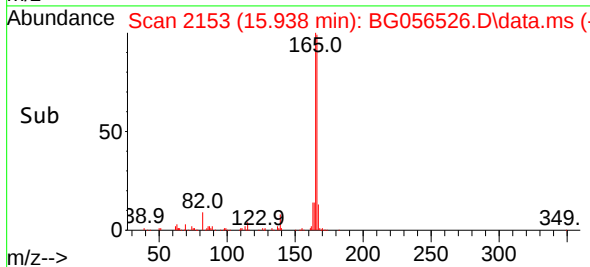
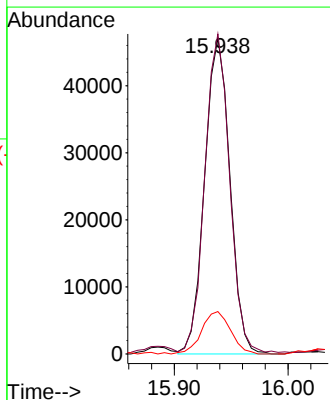
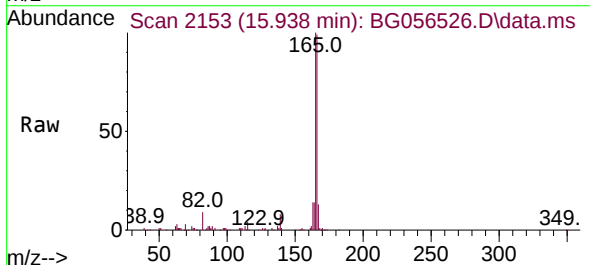
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

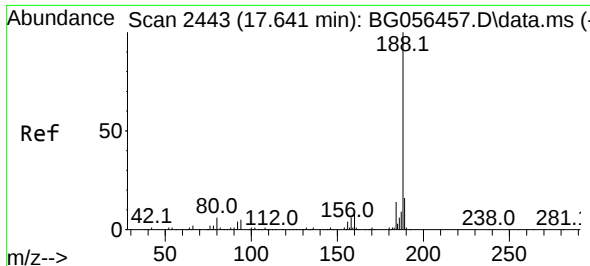
Supervised By :Jagrut
Upadhyay
02/03/2023
02/03/2023



#58
Fluorene
Concen: 6.946 ng
RT: 15.938 min Scan# 2153
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

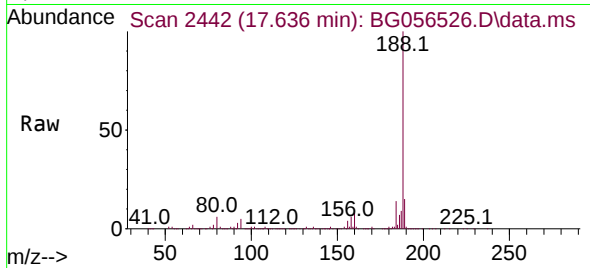
Tgt Ion:166 Resp: 72714
Ion Ratio Lower Upper
166 100
165 101.3 78.8 118.2
167 13.4 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.636 min Scan# 2442
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

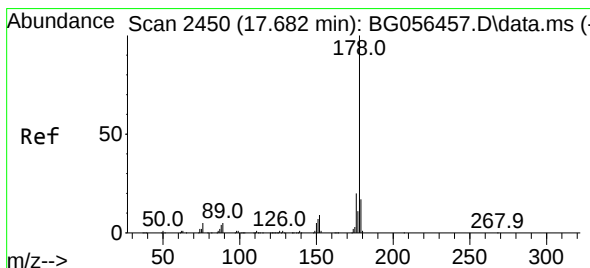
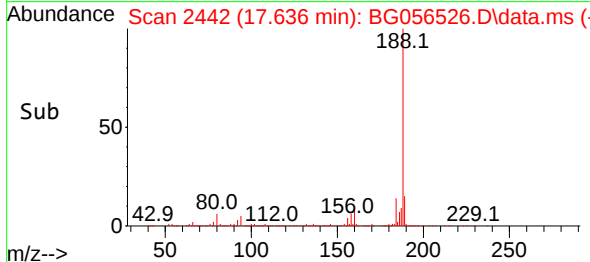
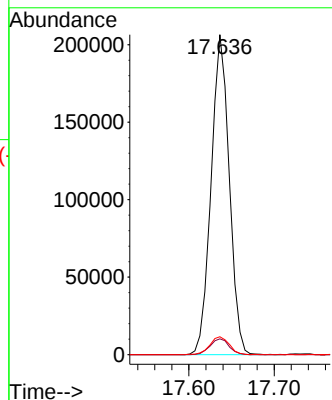


Tgt Ion:188 Resp: 305030
Ion Ratio Lower Upper
188 100
94 4.9 4.1 6.1
80 5.6 5.0 7.4

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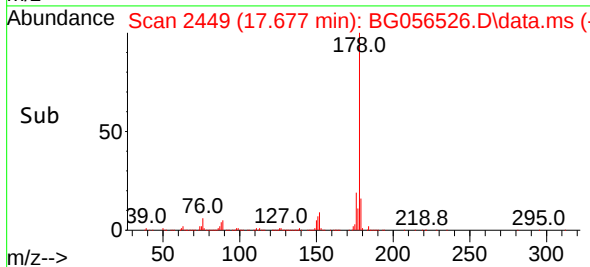
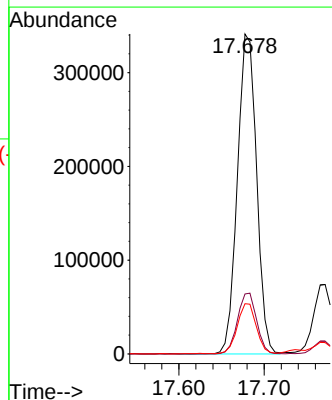
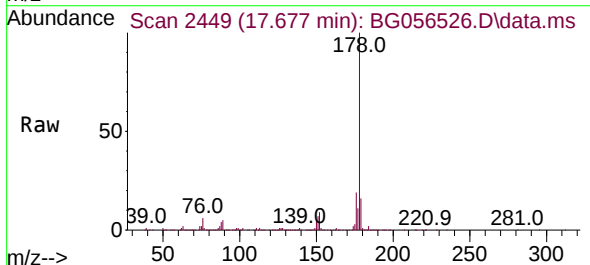
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

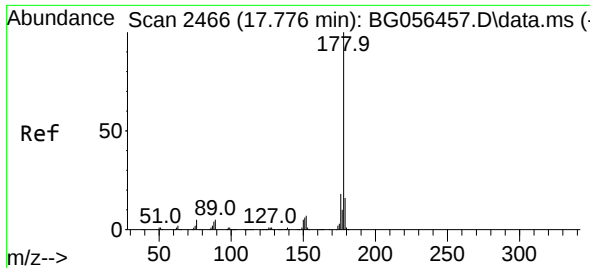
Supervised By :Jagrut
Upadhyay
02/03/2023
02/03/2023



#71
Phenanthrene
Concen: 33.346 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

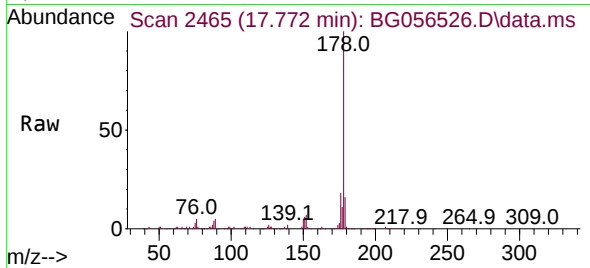
Tgt Ion:178 Resp: 532357
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.7 13.3 19.9





#72
 Anthracene
 Concen: 6.816 ng
 RT: 17.772 min Scan# 2466
 Delta R.T. 0.001 min
 Lab File: BG056526.D
 Acq: 2 Feb 2023 22:58

Instrument :
 BNA_G
 ClientSampleId :
 JC-3-13123-ADL

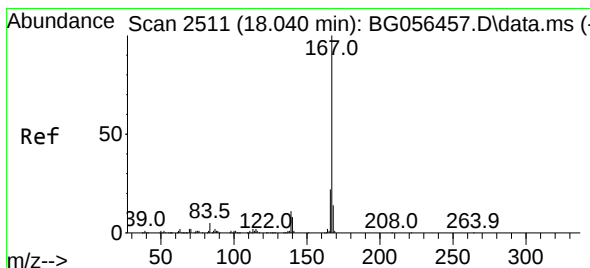
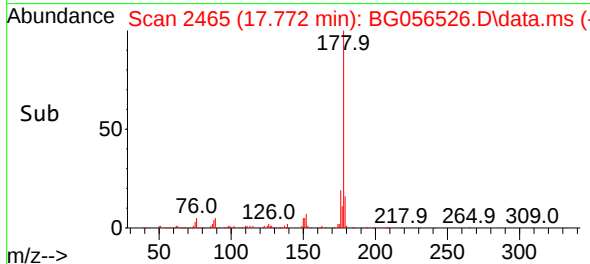
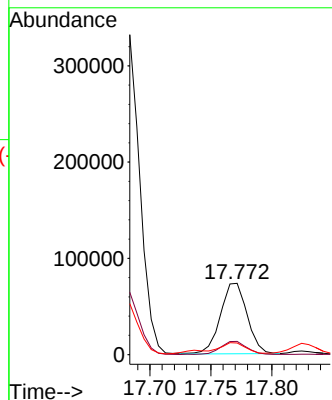


Tgt Ion:178 Resp: 111705
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.5 21.7
 179 16.3 12.5 18.7

Manual Integrations APPROVED

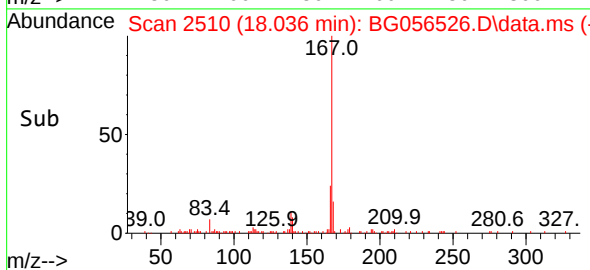
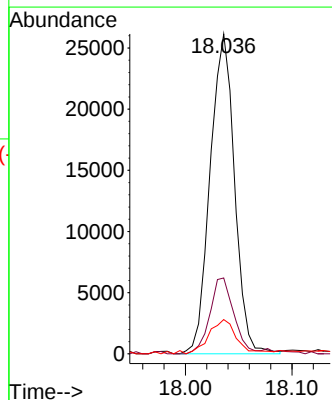
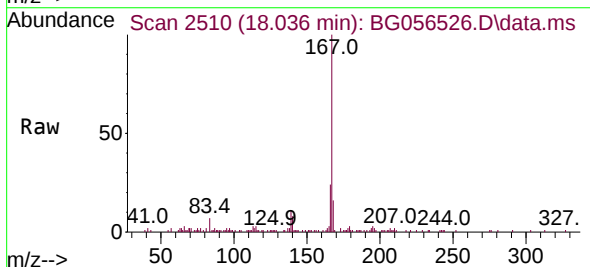
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023

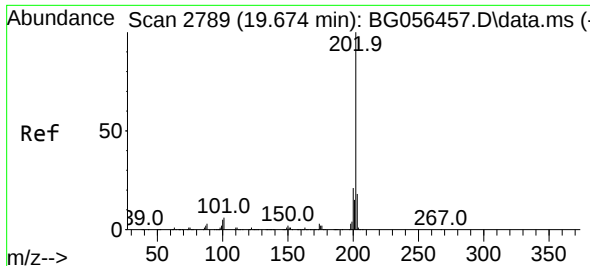
Supervised By :Jagrut
 Upadhyay
 02/03/2023
 02/03/2023



#73
 Carbazole
 Concen: 2.989 ng
 RT: 18.036 min Scan# 2510
 Delta R.T. 0.001 min
 Lab File: BG056526.D
 Acq: 2 Feb 2023 22:58

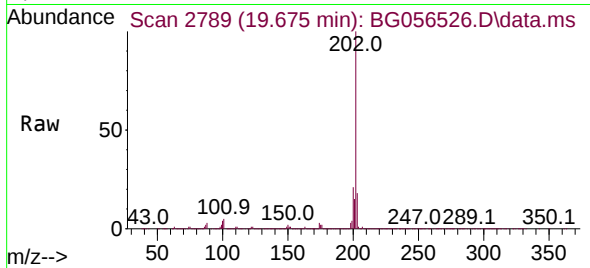
Tgt Ion:167 Resp: 41716
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.8 26.6
 139 10.7 8.9 13.3





#75
Fluoranthene
Concen: 29.625 ng
RT: 19.675 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

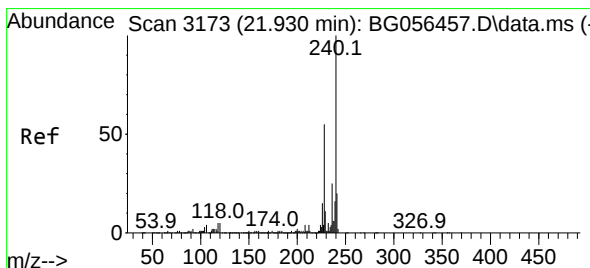
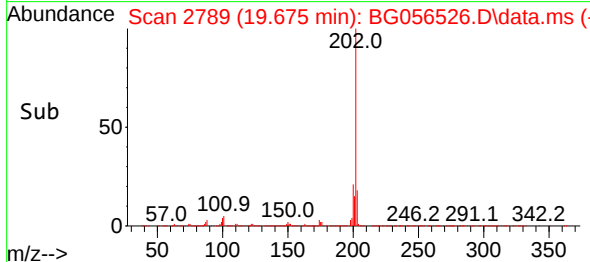
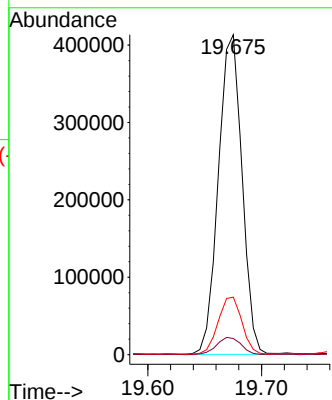


Tgt Ion:202 Resp: 596934
Ion Ratio Lower Upper
202 100
101 5.0 0.0 25.6
203 18.0 0.0 38.1

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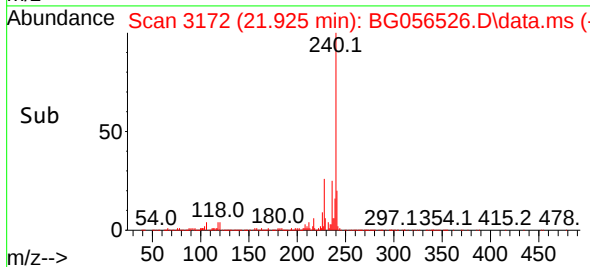
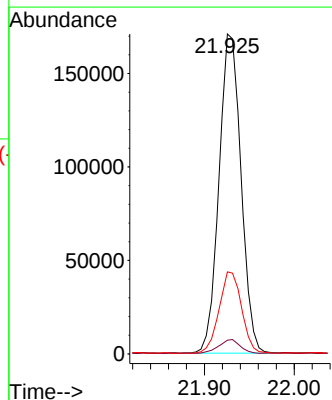
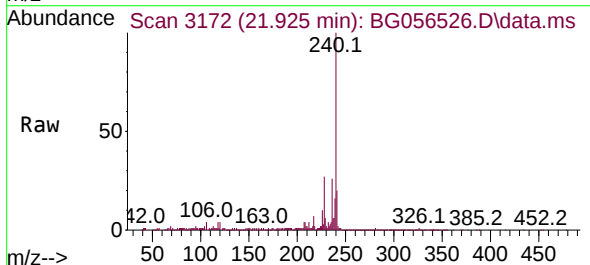
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

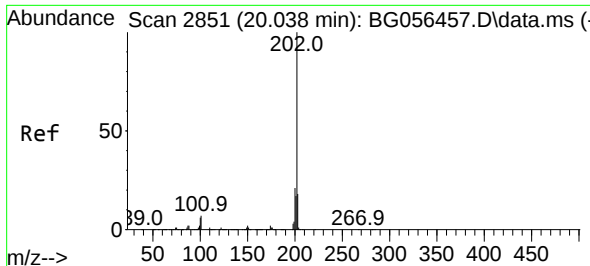
Supervised By :Jagrut
Upadhyay
02/03/2023
02/0
3/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

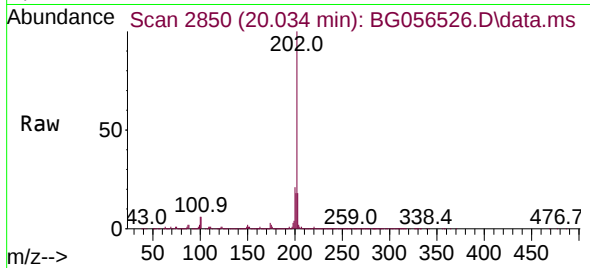
Tgt Ion:240 Resp: 292544
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 25.6 20.2 30.2





#78
Pyrene
Concen: 25.229 ng
RT: 20.034 min Scan# 2851
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

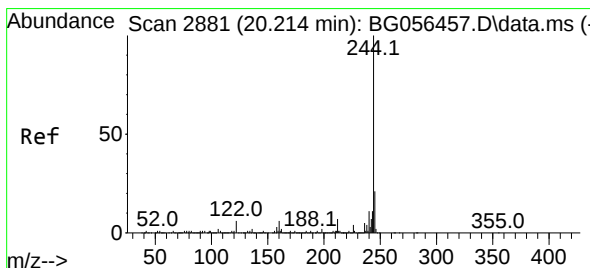
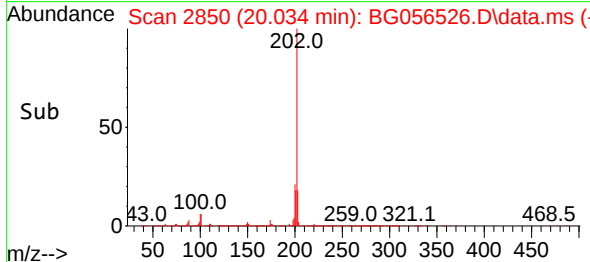
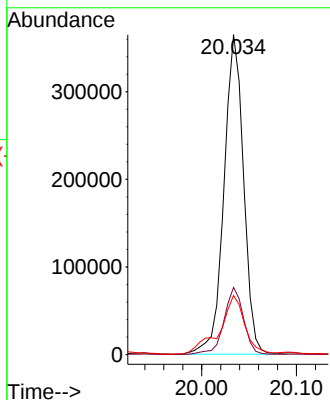


Tgt Ion:202 Resp: 524933
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 18.5 14.4 21.6

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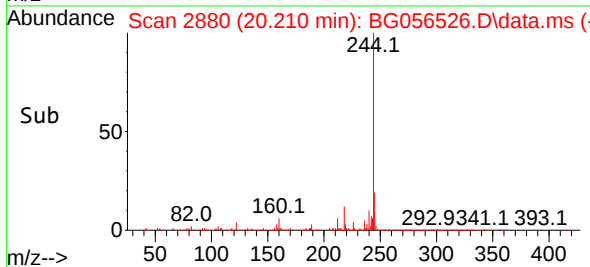
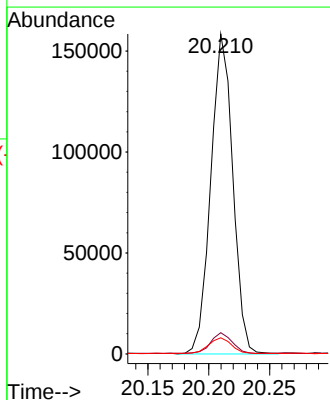
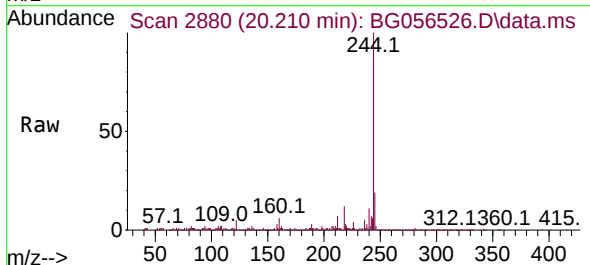
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

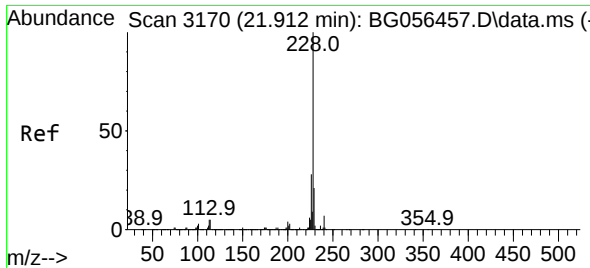
Supervised By :Jagrut
Upadhyay
02/03/2023
02/0
3/2023



#79
Terphenyl-d14
Concen: 11.958 ng
RT: 20.210 min Scan# 2880
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

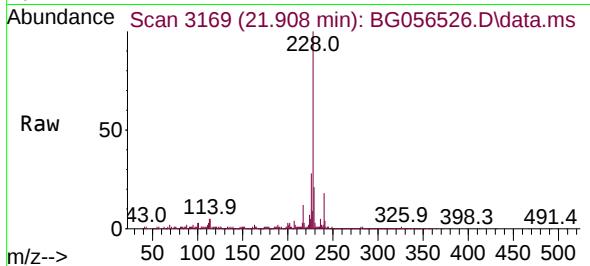
Tgt Ion:244 Resp: 199169
Ion Ratio Lower Upper
244 100
212 6.6 5.5 8.3
122 5.0 4.4 6.6





#81
Benzo(a)anthracene
Concen: 13.305 ng
RT: 21.908 min Scan# 3169
Delta R.T. 0.007 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

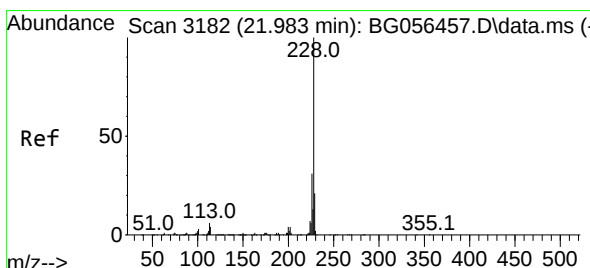
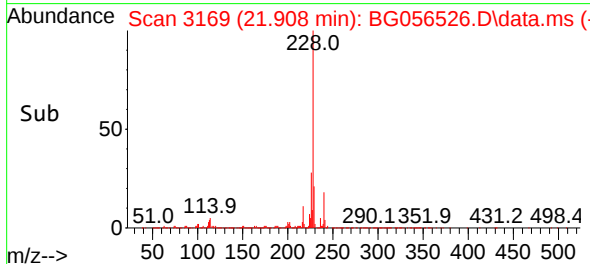
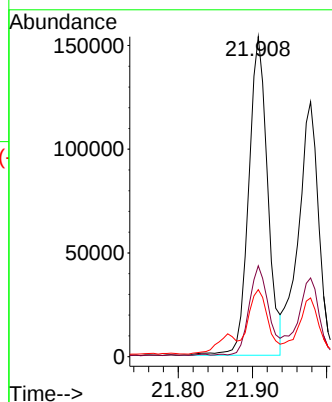


Tgt Ion:228 Resp: 272123
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 20.9 16.5 24.7

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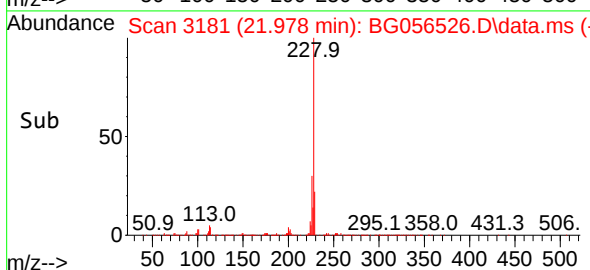
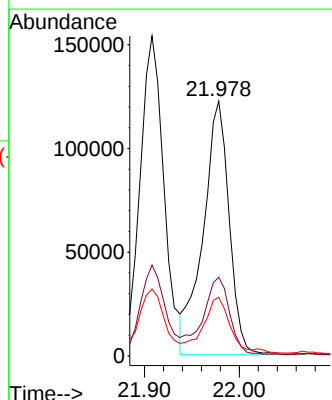
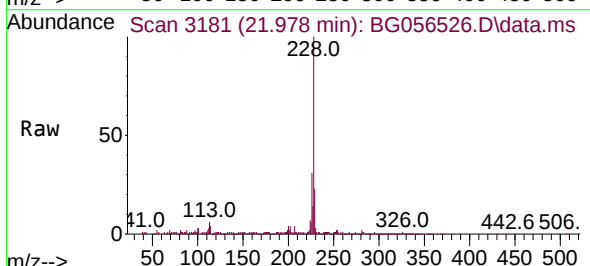
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

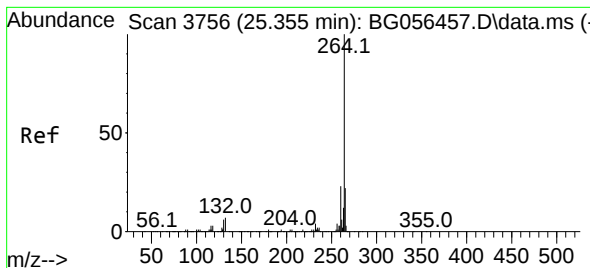
Supervised By :Jagrut
Upadhyay
02/03/2023
02/03/2023



#83
Chrysene
Concen: 12.108 ng
RT: 21.978 min Scan# 3181
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion:228 Resp: 232657
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.4
229 23.0 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.357 min Scan# 31

Delta R.T. 0.013 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

Instrument :

BNA_G

ClientSampleId :

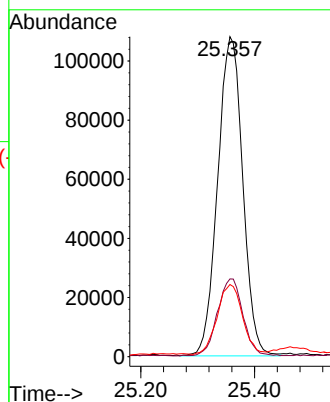
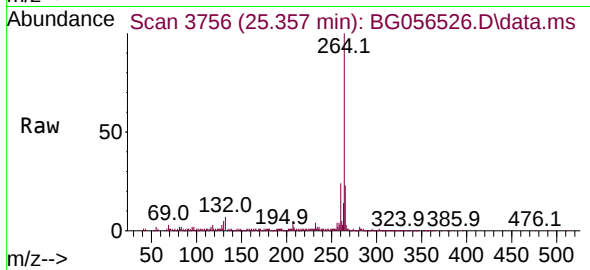
JC-3-13123-ADL

Tgt Ion:264 Resp: 330499

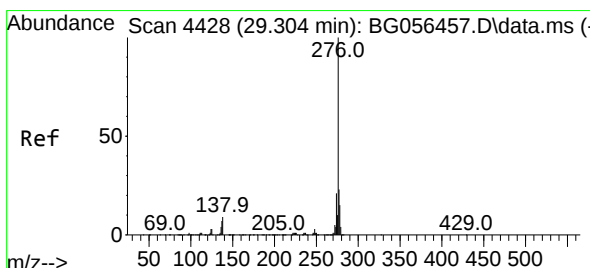
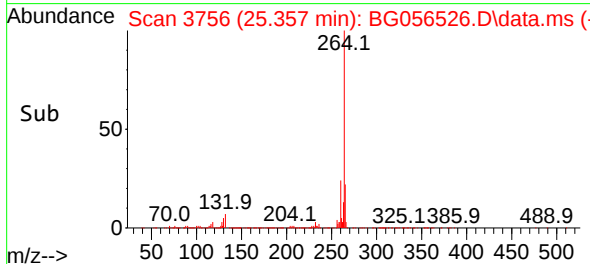
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	22.5	18.1	27.1

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Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



Supervised By :Jagrut
Upadhyay
02/03/2023
02/0
3/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.590 ng

RT: 29.299 min Scan# 4427

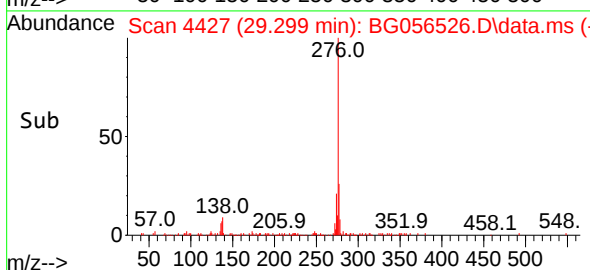
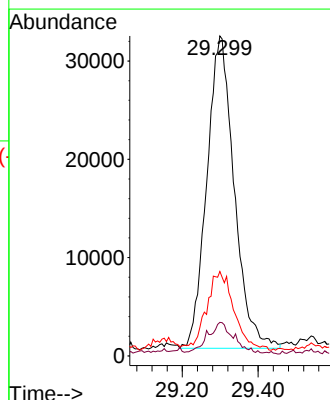
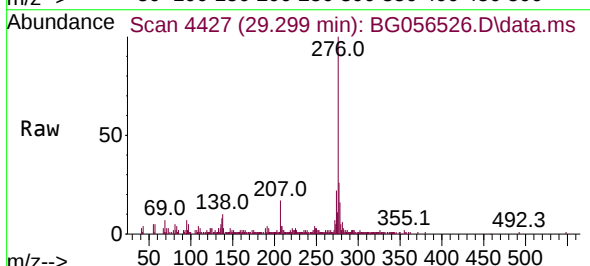
Delta R.T. 0.019 min

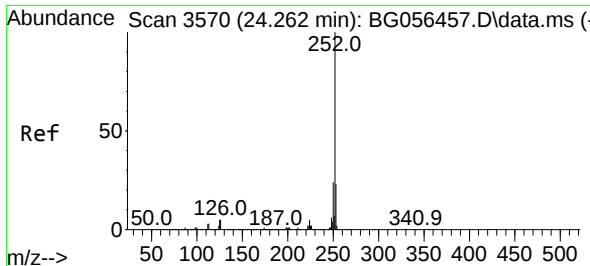
Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

Tgt Ion:276 Resp: 159439

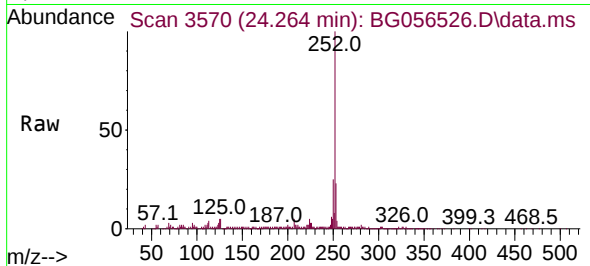
Ion	Ratio	Lower	Upper
276	100		
138	8.7	9.4	14.2#
277	23.1	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 16.282 ng
RT: 24.264 min Scan# 3570
Delta R.T. 0.013 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

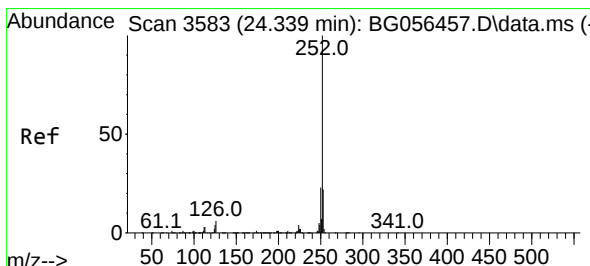
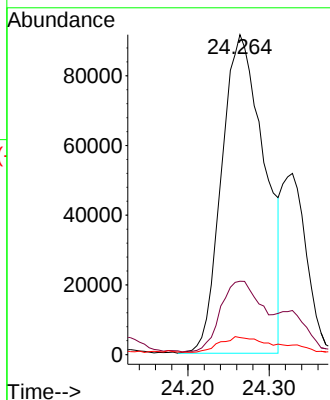
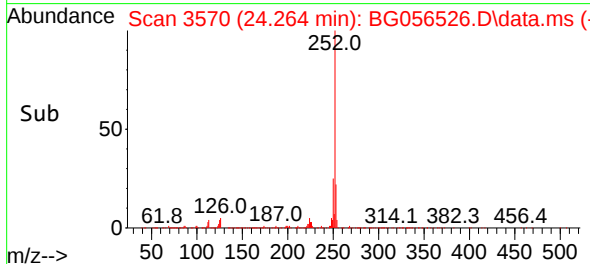


Tgt Ion:252 Resp: 334009
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 5.3 3.9 5.9

Manual Integrations
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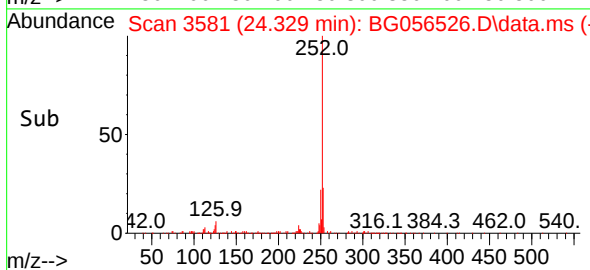
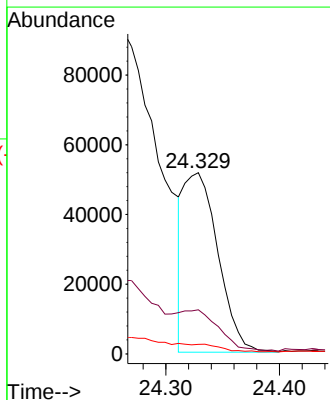
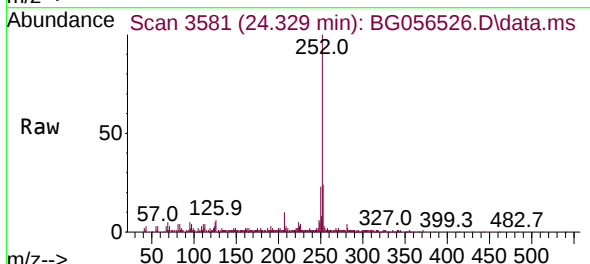
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

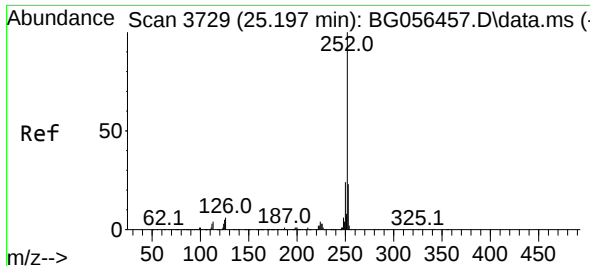
Supervised By :Jagrut
Upadhyay
02/03/2023
02/03/2023



#89
Benzo(k)fluoranthene
Concen: 5.200 ng m
RT: 24.329 min Scan# 3581
Delta R.T. 0.007 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

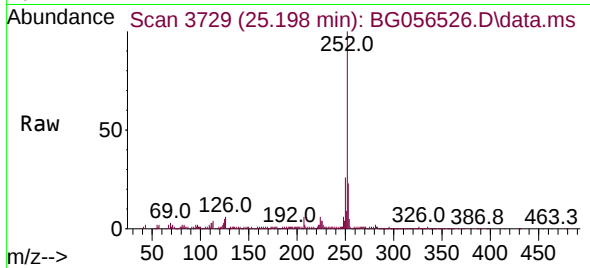
Tgt Ion:252 Resp: 107700
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 5.2 3.4 5.0#





#90
Benzo(a)pyrene
Concen: 13.592 ng
RT: 25.198 min Scan# 31
Delta R.T. 0.013 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

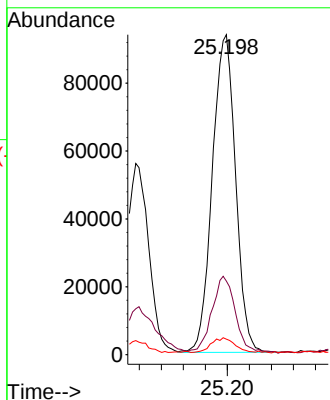
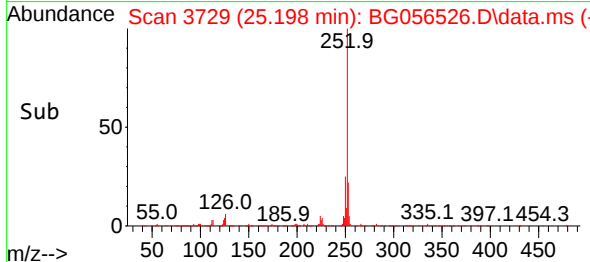
Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL



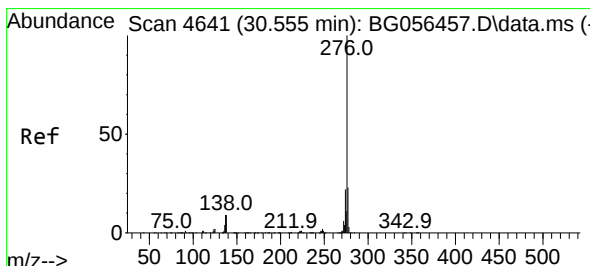
Tgt Ion:252 Resp: 274652
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 4.8 4.1 6.1

Manual Integrations
APPROVED

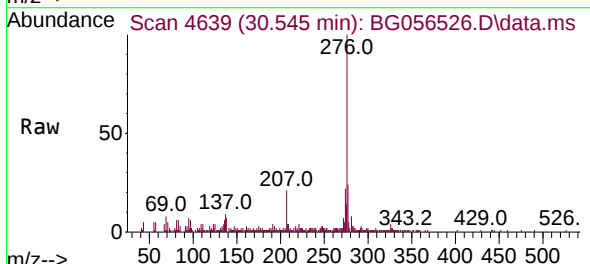
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



Supervised By :Jagrut
Upadhyay
02/03/2023
02/0
3/2023



#92
Benzo(g,h,i)perylene
Concen: 7.586 ng
RT: 30.545 min Scan# 4639
Delta R.T. 0.019 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58



Tgt Ion:276 Resp: 148636
Ion Ratio Lower Upper
276 100
277 23.6 18.5 27.7
138 6.9 7.4 11.0#

