

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010323\
 Data File : BG056187.D
 Acq On : 3 Jan 2023 15:36
 Operator : CG/JU
 Sample : N6225-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-122822DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023

Quant Time: Jan 03 16:39:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 05:20:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	50628	20.000	ng	0.00
21) Naphthalene-d8	11.172	136	186437	20.000	ng	0.00
39) Acenaphthene-d10	14.944	164	137784	20.000	ng	0.00
64) Phenanthrene-d10	17.682	188	336891	20.000	ng	0.00
76) Chrysene-d12	21.983	240	325996	20.000	ng	0.00
86) Perylene-d12	25.444	264	359745	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.855	112	25888	9.130	ng	0.00
7) Phenol-d6	7.465	99	36180	8.309	ng	0.00
23) Nitrobenzene-d5	9.510	82	19805	5.434	ng	0.00
42) 2,4,6-Tribromophenol	16.425	330	13041	7.473	ng	0.00
45) 2-Fluorobiphenyl	13.575	172	49853	4.996	ng	0.00
79) Terphenyl-d14	20.256	244	78213	4.297	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.225	128	58258	5.937	ng	97
37) 2-Methylnaphthalene	12.800	142	30887	3.728	ng	94
38) 1-Methylnaphthalene	13.017	142	22655	2.945	ng	95
52) Acenaphthene	15.009	154	26764	3.247	ng	91
55) Dibenzofuran	15.338	168	54453	3.992	ng	98
58) Fluorene	15.990	166	80192	7.309	ng	94
71) Phenanthrene	17.729	178	549876	31.496	ng	98
72) Anthracene	17.817	178	127213	7.064	ng	95
73) Carbazole	18.076	167	47794	3.157	ng	95
75) Fluoranthene	19.715	202	611065	26.832	ng	99
78) Pyrene	20.074	202	523357	22.777	ng	99
81) Benzo(a)anthracene	21.960	228	256275	11.193	ng	98
83) Chrysene	22.030	228	216920	10.114	ng	98
87) Indeno(1,2,3-cd)pyrene	29.427	276	113126	4.324	ng	# 98
88) Benzo(b)fluoranthene	24.333	252	257902	11.283	ng	# 96
89) Benzo(k)fluoranthene	24.398	252	88819m	3.902	ng	
90) Benzo(a)pyrene	25.273	252	198687	8.912	ng	99
92) Benzo(g,h,i)perylene	30.667	276	100105	4.706	ng	# 98

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

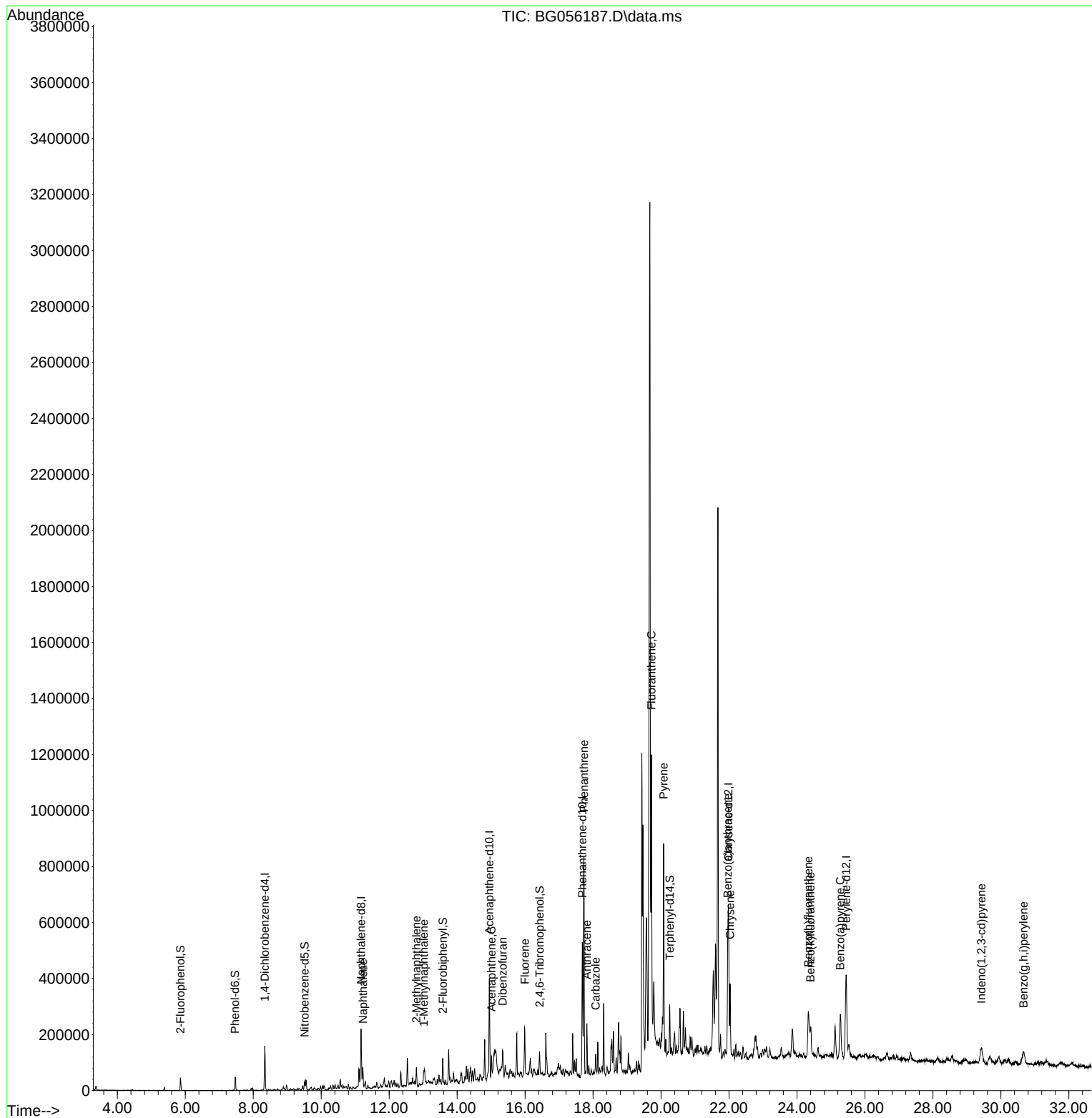
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010323\
Data File : BG056187.D
Acq On : 3 Jan 2023 15:36
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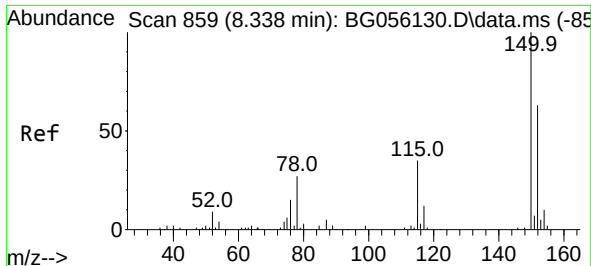
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

Quant Time: Jan 03 16:39:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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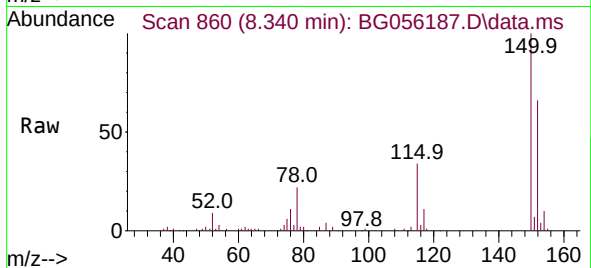
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 80
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

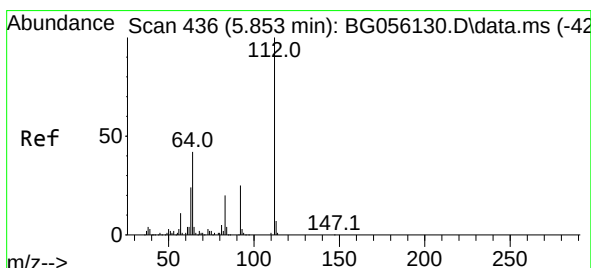
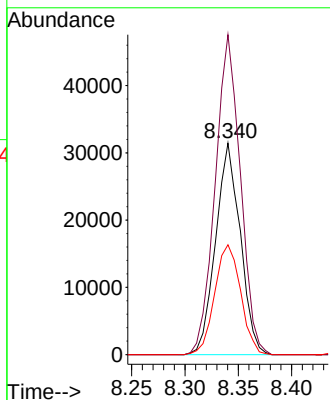
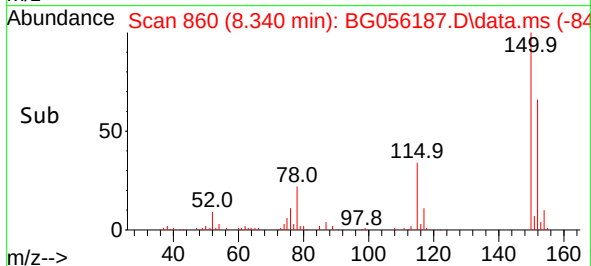
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL



Tgt Ion:152 Resp: 50628
Ion Ratio Lower Upper
152 100
150 151.4 127.9 191.9
115 52.0 44.2 66.2

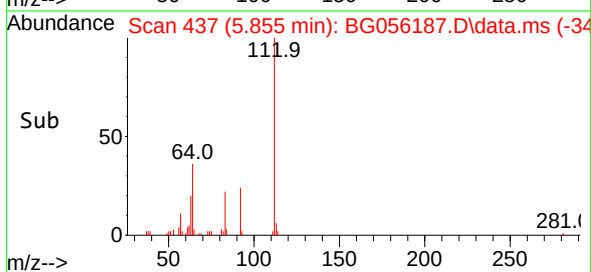
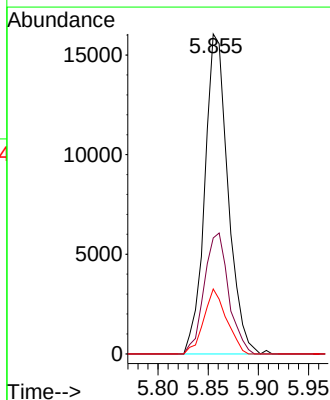
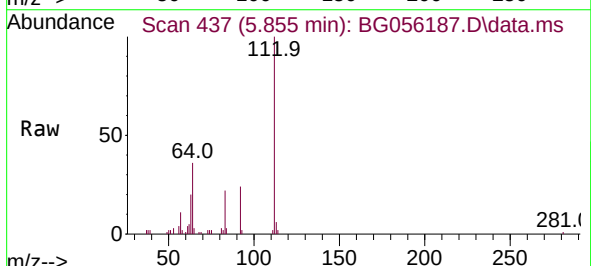
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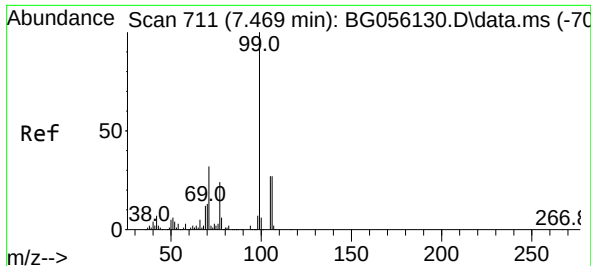
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#5
2-Fluorophenol
Concen: 9.130 ng
RT: 5.855 min Scan# 437
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

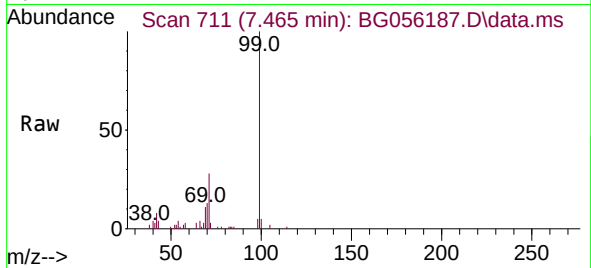
Tgt Ion:112 Resp: 25888
Ion Ratio Lower Upper
112 100
64 36.2 33.3 49.9
63 20.3 19.0 28.4





#7
Phenol-d6
Concen: 8.309 ng
RT: 7.465 min Scan# 711
Delta R.T. -0.004 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

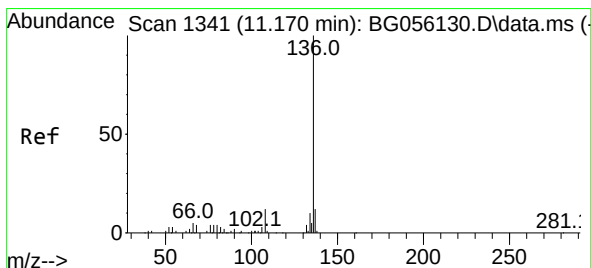
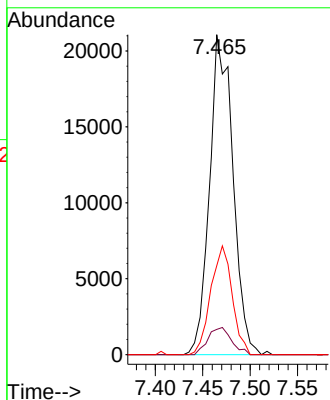
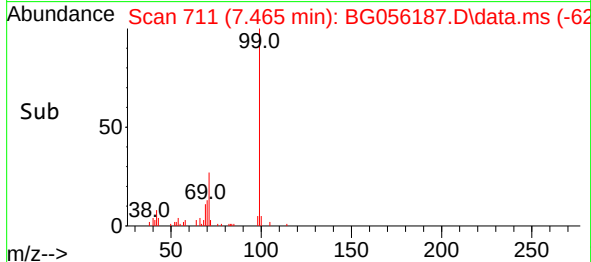
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL



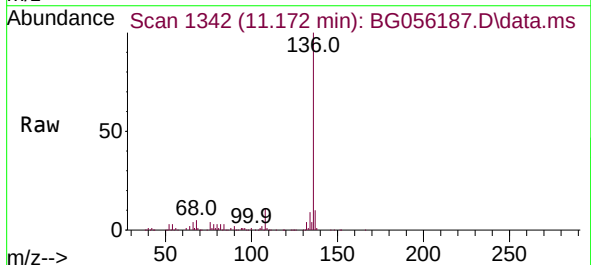
Tgt Ion: 99 Resp: 36180
Ion Ratio Lower Upper
99 100
42 7.9 5.9 8.9
71 27.8 25.4 38.2

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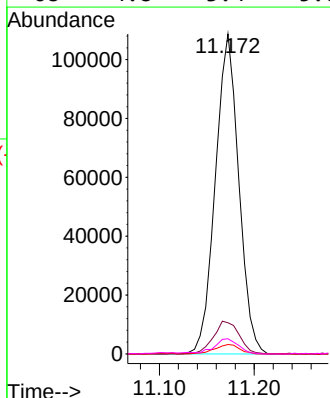
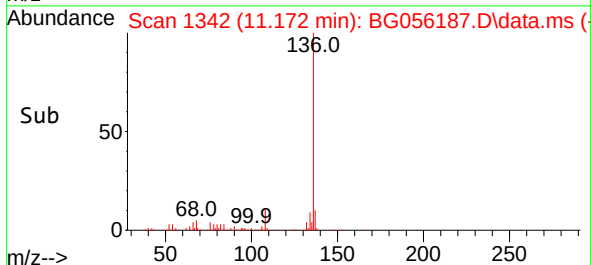
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023

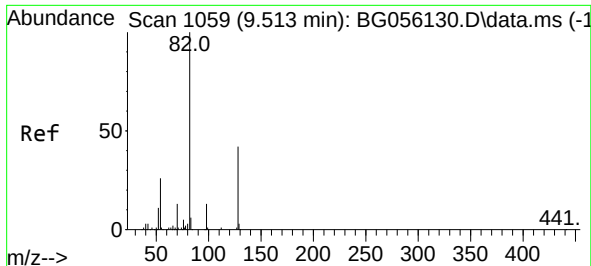


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.172 min Scan# 1342
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36



Tgt Ion:136 Resp: 186437
Ion Ratio Lower Upper
136 100
137 9.7 9.4 14.0
54 2.9 2.2 3.2
68 4.8 3.4 5.0





#23

Nitrobenzene-d5

Concen: 5.434 ng

RT: 9.510 min Scan# 1059

Delta R.T. -0.004 min

Lab File: BG056187.D

Acq: 3 Jan 2023 15:36

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

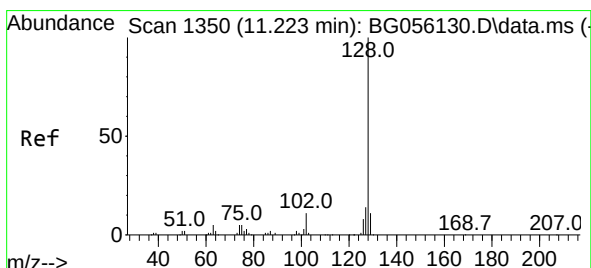
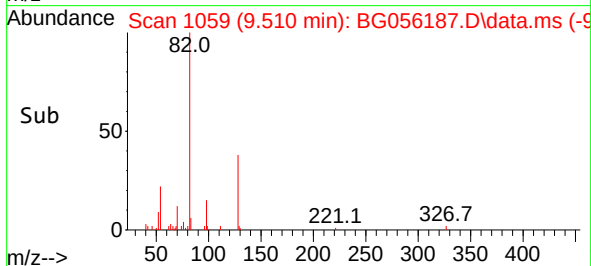
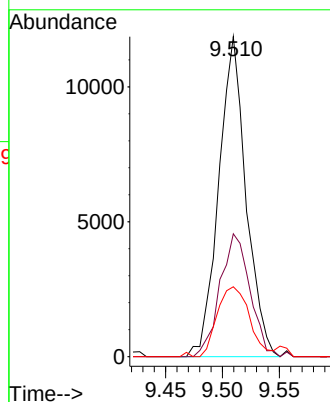
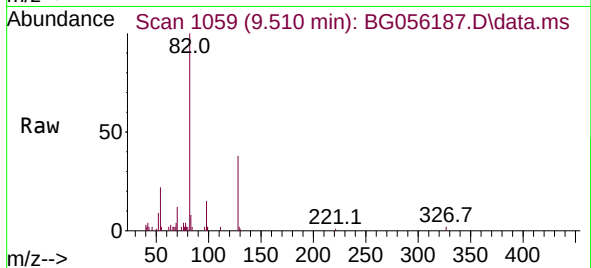
Tgt Ion: 82 Resp: 19805

Ion	Ratio	Lower	Upper
82	100		
128	38.4	33.4	50.2
54	21.8	20.3	30.5

Manual Integrations

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#31

Naphthalene

Concen: 5.937 ng

RT: 11.225 min Scan# 1351

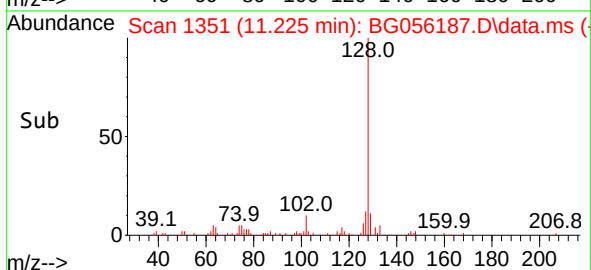
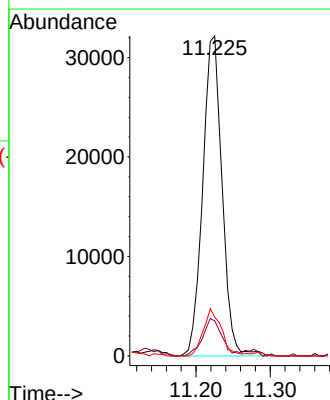
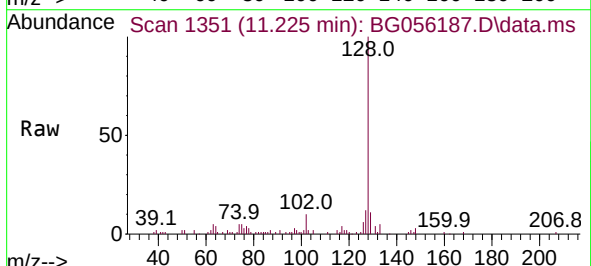
Delta R.T. 0.002 min

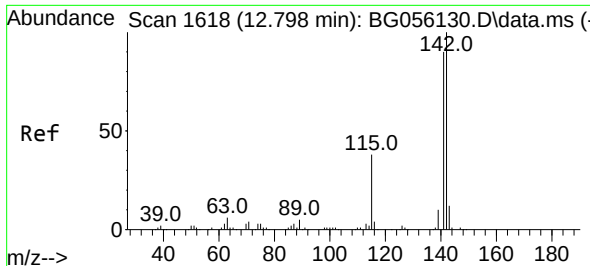
Lab File: BG056187.D

Acq: 3 Jan 2023 15:36

Tgt Ion:128 Resp: 58258

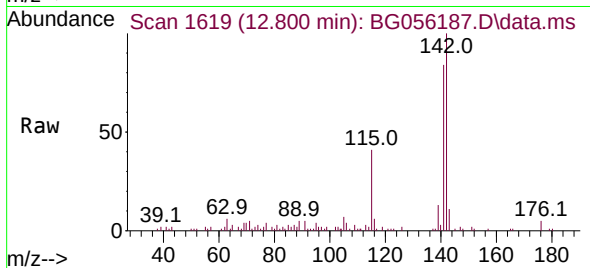
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	12.1	11.2	16.8





#37
2-Methylnaphthalene
Concen: 3.728 ng
RT: 12.800 min Scan# 1619
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

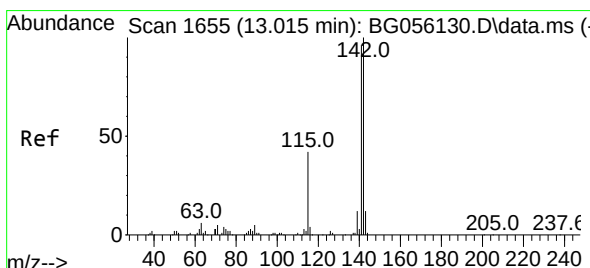
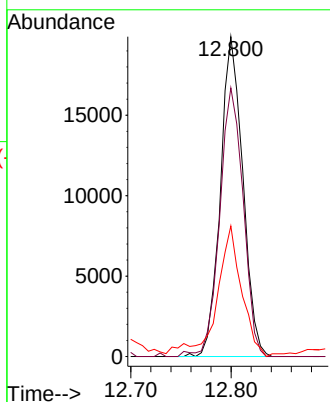
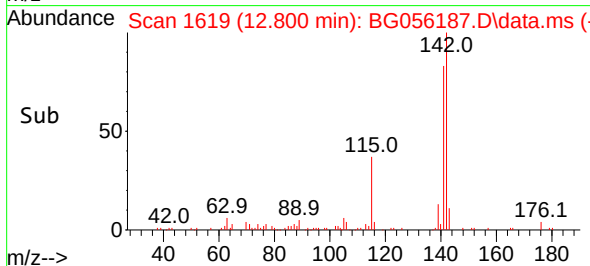
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL



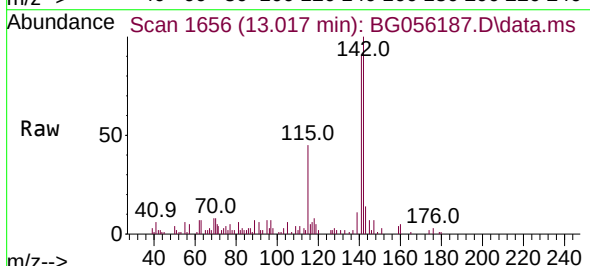
Tgt Ion:142 Resp: 3088
Ion Ratio Lower Upper
142 100
141 84.0 72.2 108.4
115 40.8 30.7 46.1

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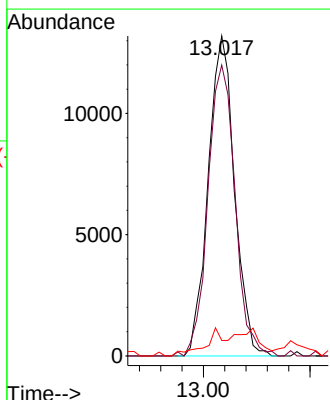
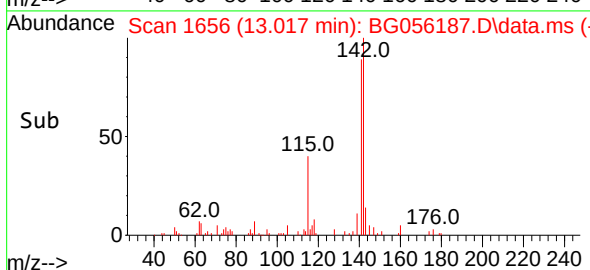
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023

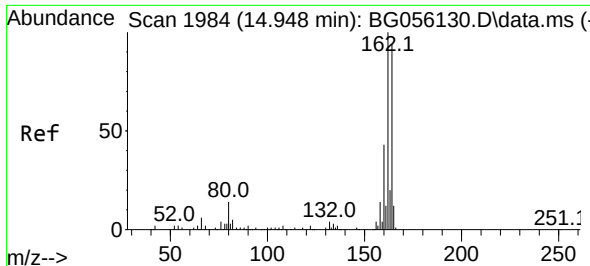


#38
1-Methylnaphthalene
Concen: 2.945 ng
RT: 13.017 min Scan# 1656
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36



Tgt Ion:142 Resp: 22655
Ion Ratio Lower Upper
142 100
141 90.9 77.0 115.6
116 4.8 3.6 5.4





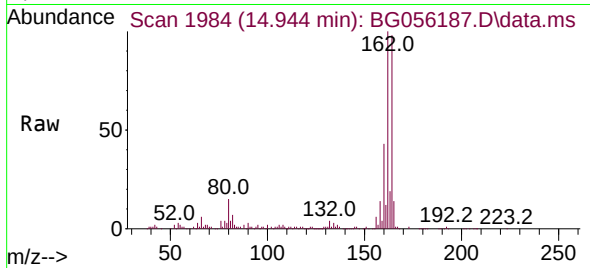
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.944 min Scan# 1984
Delta R.T. -0.004 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

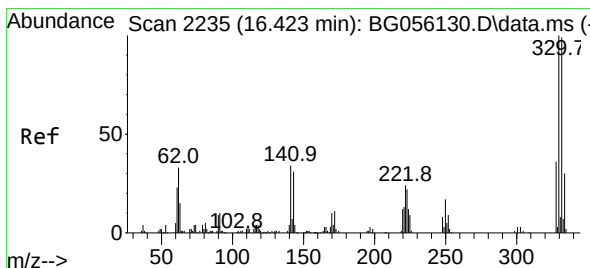
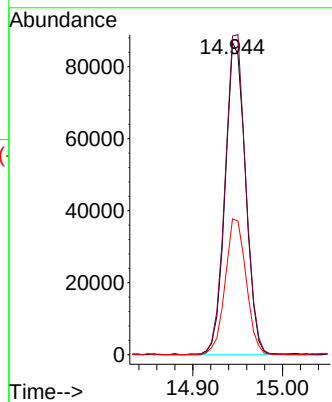
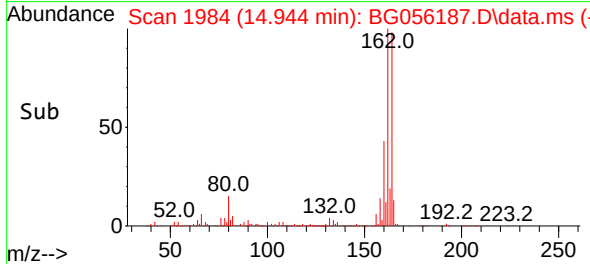


Tgt Ion:164 Resp: 137784
Ion Ratio Lower Upper
164 100
162 102.0 84.7 127.1
160 43.5 36.3 54.5

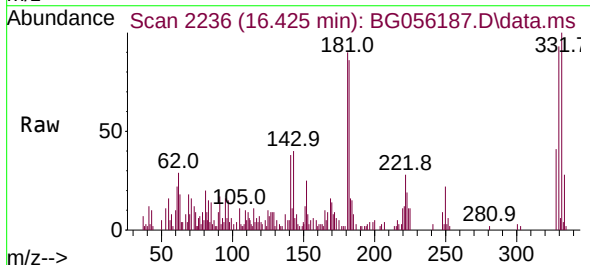
Manual Integrations

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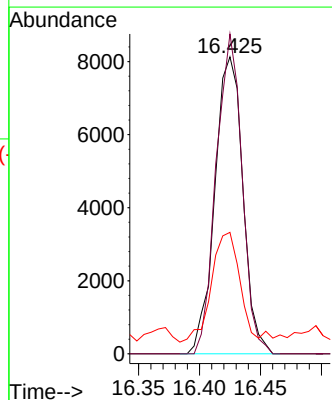
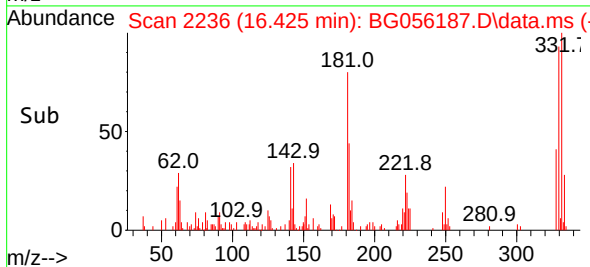
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023

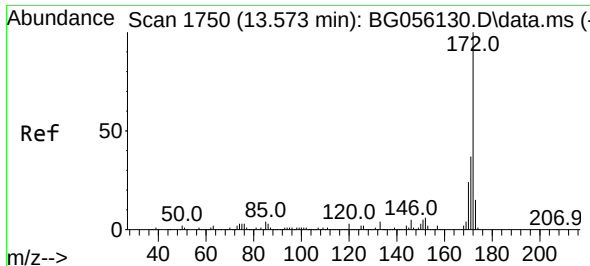


#42
2,4,6-Tribromophenol
Concen: 7.473 ng
RT: 16.425 min Scan# 2236
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36



Tgt Ion:330 Resp: 13041
Ion Ratio Lower Upper
330 100
332 98.9 77.3 115.9
141 37.0 27.9 41.9





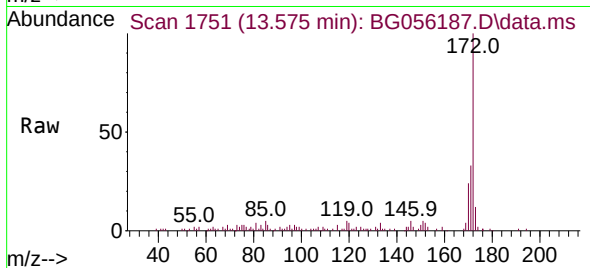
#45
2-Fluorobiphenyl
Concen: 4.996 ng
RT: 13.575 min Scan# 1750
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

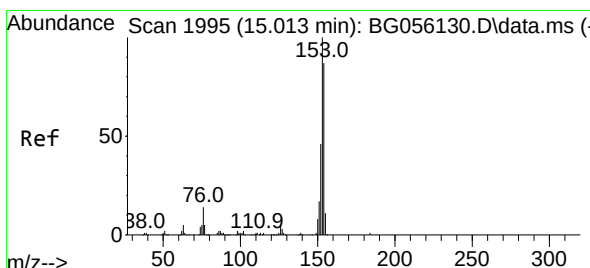
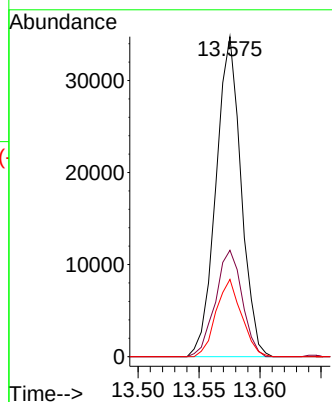
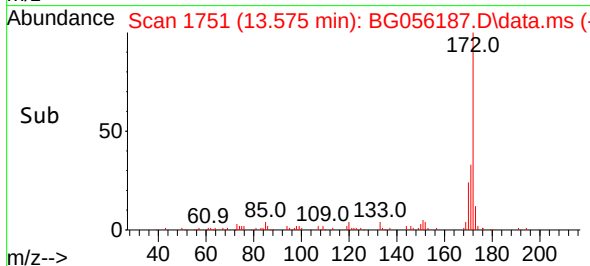


Tgt Ion:172 Resp: 49853
Ion Ratio Lower Upper
172 100
171 33.2 29.6 44.4
170 24.1 19.4 29.2

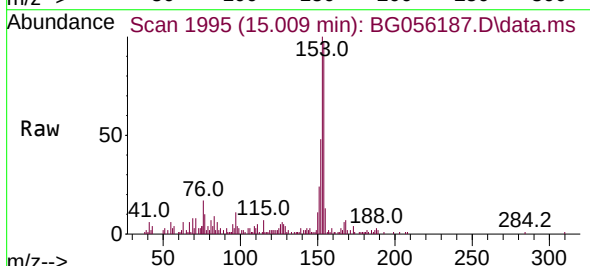
Manual Integrations

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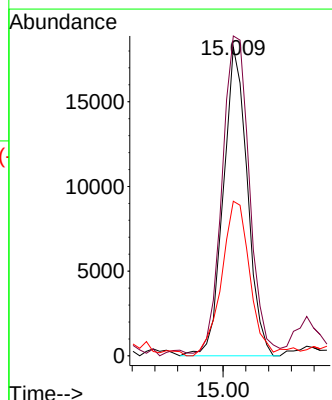
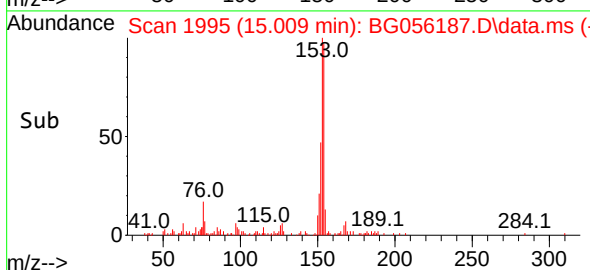
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023

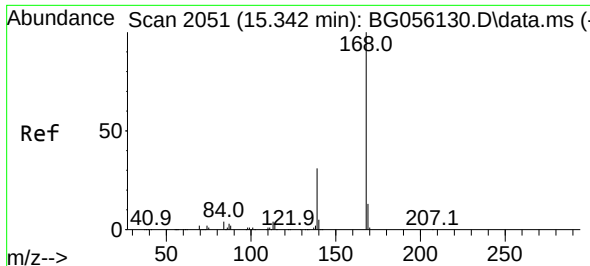


#52
Acenaphthene
Concen: 3.247 ng
RT: 15.009 min Scan# 1995
Delta R.T. -0.004 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36



Tgt Ion:154 Resp: 26764
Ion Ratio Lower Upper
154 100
153 103.6 92.0 138.0
152 50.1 42.5 63.7





#55
Dibenzenofuran
Concen: 3.992 ng
RT: 15.338 min Scan# 2051
Delta R.T. -0.004 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

Instrument :

BNA_G

ClientSampleId :

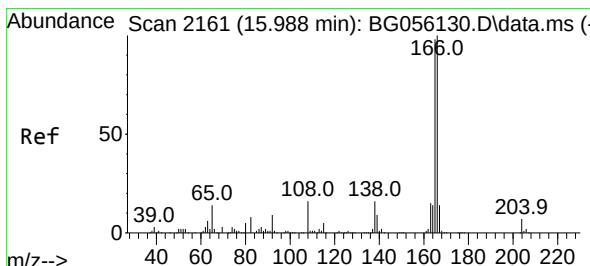
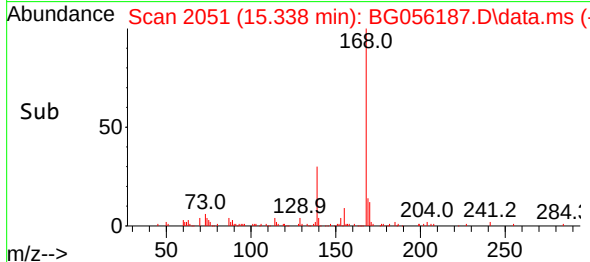
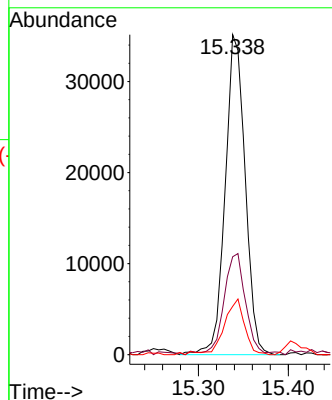
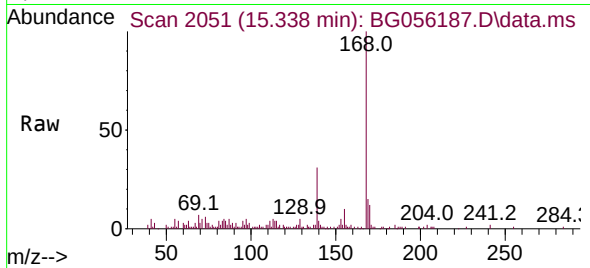
EO-03-122822DL

Tgt Ion:168 Resp: 54453
Ion Ratio Lower Upper
168 100
139 30.6 24.7 37.1
169 15.1 10.3 15.5

Manual Integrations

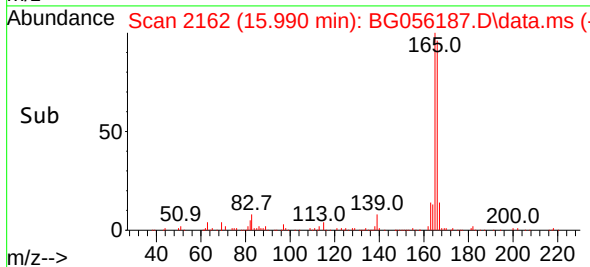
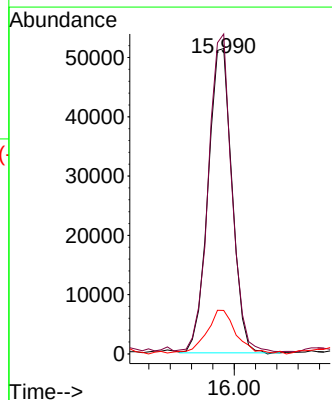
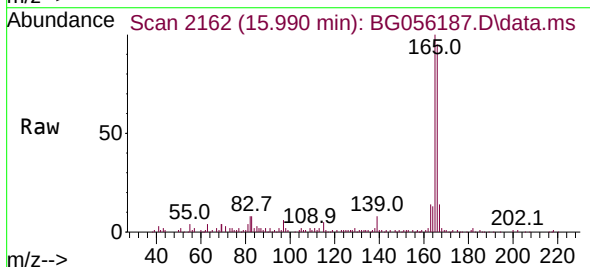
APPROVED

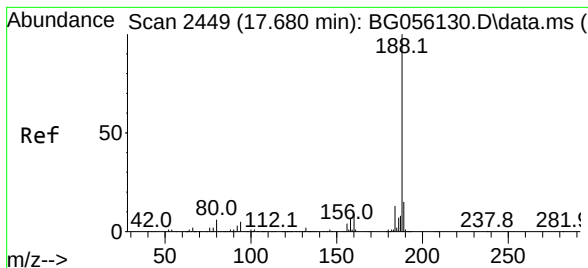
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#58
Fluorene
Concen: 7.309 ng
RT: 15.990 min Scan# 2162
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

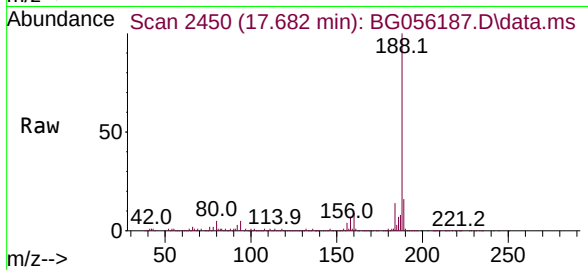
Tgt Ion:166 Resp: 80192
Ion Ratio Lower Upper
166 100
165 104.8 78.6 118.0
167 14.2 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.682 min Scan# 2449
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

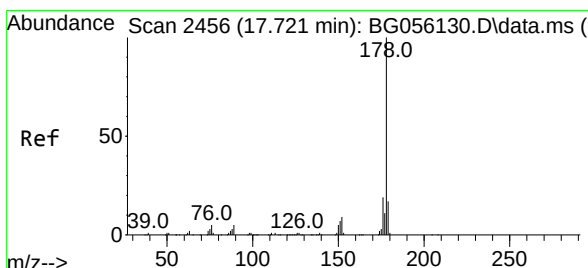
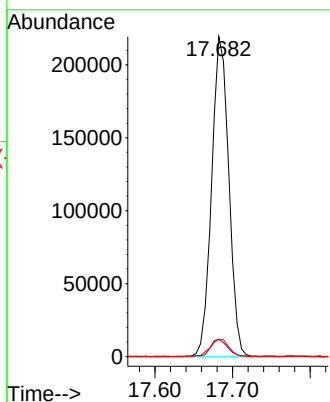
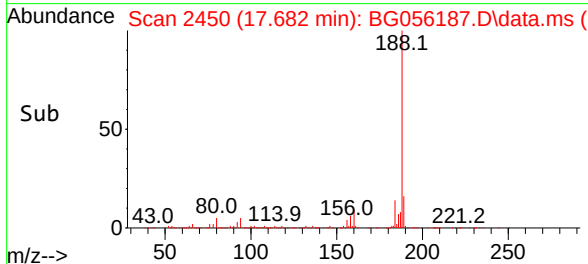
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL



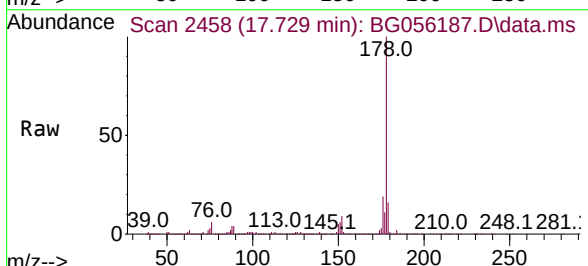
Tgt Ion:188 Resp: 336891
Ion Ratio Lower Upper
188 100
94 5.4 4.2 6.2
80 5.5 5.0 7.4

Manual Integrations
APPROVED

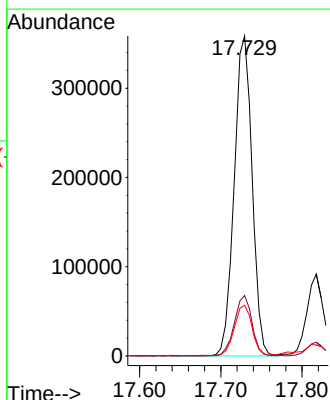
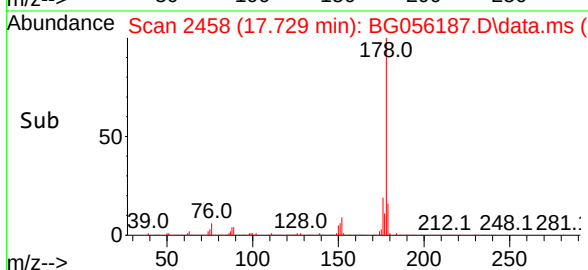
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023

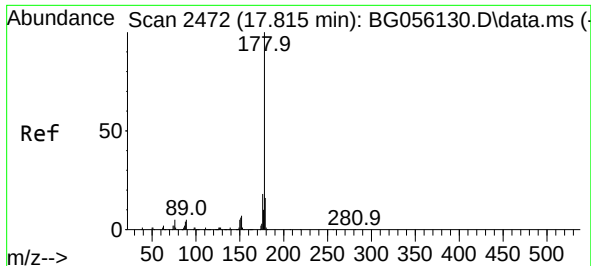


#71
Phenanthrene
Concen: 31.496 ng
RT: 17.729 min Scan# 2458
Delta R.T. 0.008 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36



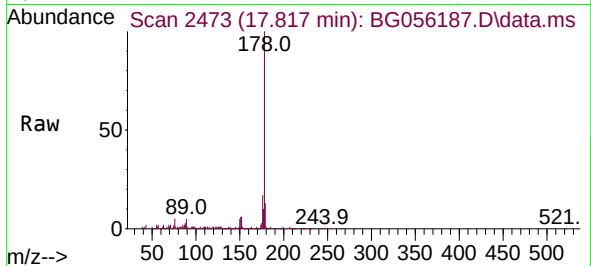
Tgt Ion:178 Resp: 549876
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.8 13.6 20.4





#72
 Anthracene
 Concen: 7.064 ng
 RT: 17.817 min Scan# 2472
 Delta R.T. 0.002 min
 Lab File: BG056187.D
 Acq: 3 Jan 2023 15:36

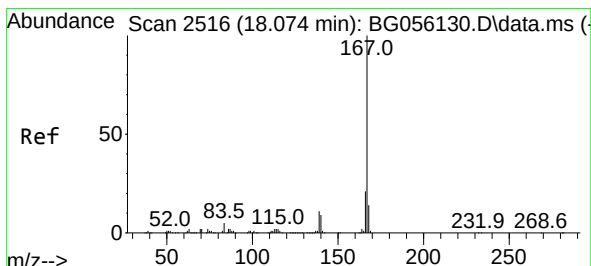
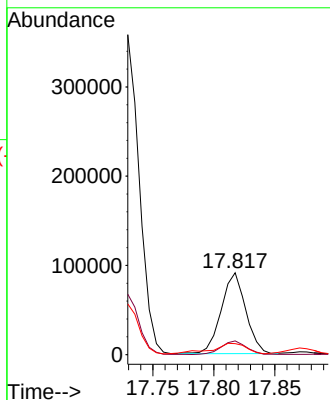
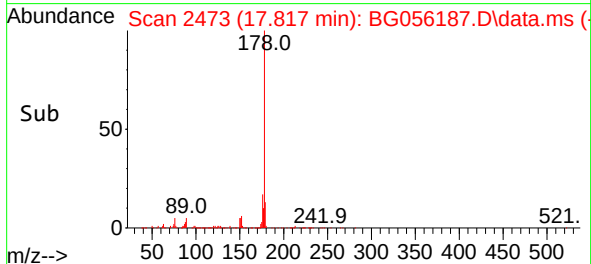
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-122822DL



Tgt Ion:178 Resp: 127213
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.6 22.0
 179 13.5 12.7 19.1

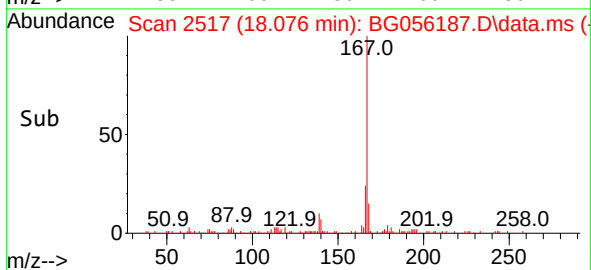
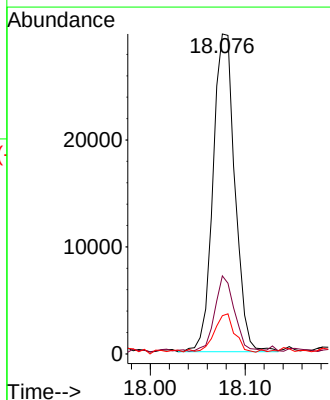
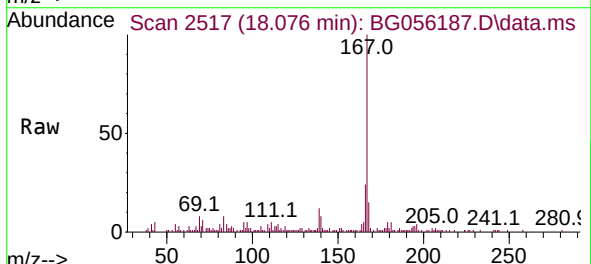
Manual Integrations
 APPROVED

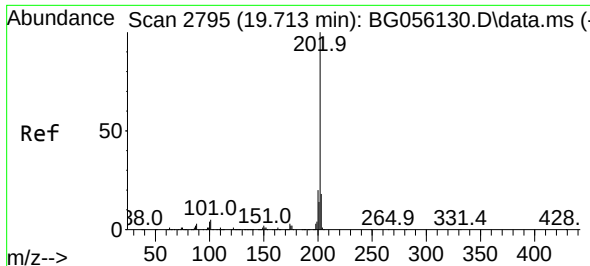
Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023



#73
 Carbazole
 Concen: 3.157 ng
 RT: 18.076 min Scan# 2517
 Delta R.T. 0.002 min
 Lab File: BG056187.D
 Acq: 3 Jan 2023 15:36

Tgt Ion:167 Resp: 47794
 Ion Ratio Lower Upper
 167 100
 166 24.4 16.8 25.2
 139 11.9 8.9 13.3





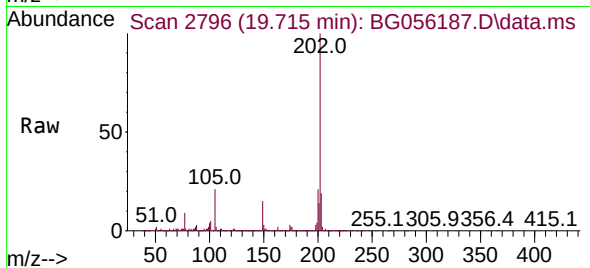
#75
Fluoranthene
Concen: 26.832 ng
RT: 19.715 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

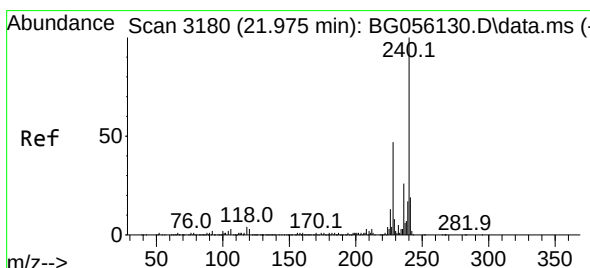
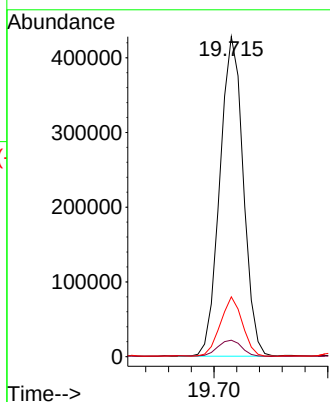
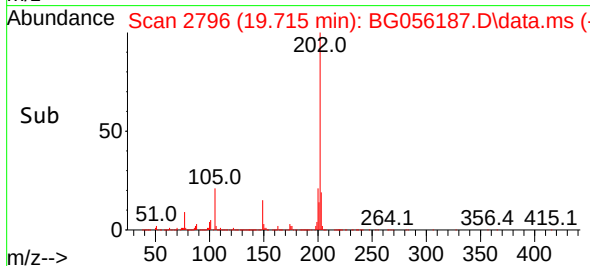


Tgt Ion:202 Resp: 611065
Ion Ratio Lower Upper
202 100
101 5.2 0.0 25.0
203 18.7 0.0 38.0

Manual Integrations

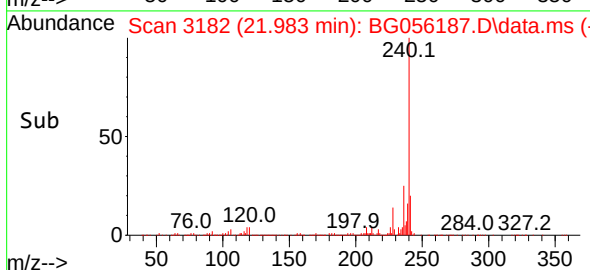
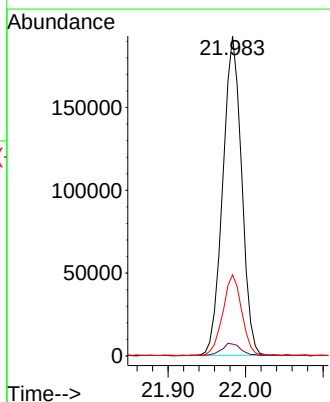
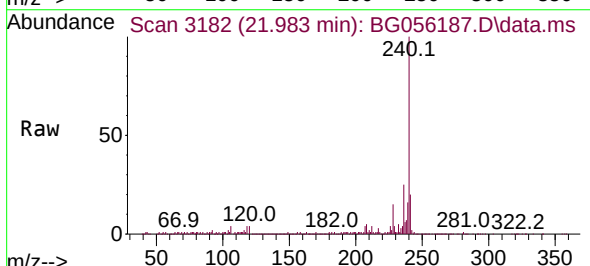
APPROVED

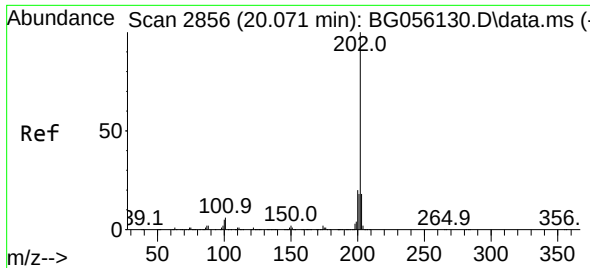
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.983 min Scan# 3182
Delta R.T. 0.008 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

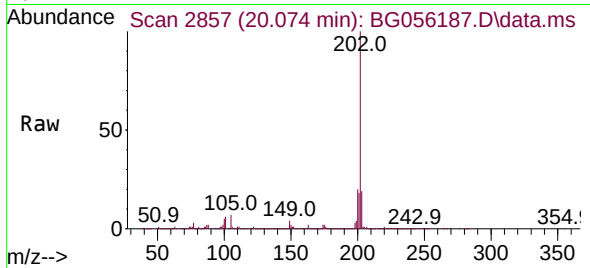
Tgt Ion:240 Resp: 325996
Ion Ratio Lower Upper
240 100
120 3.7 2.6 4.0
236 25.3 20.8 31.2





#78
 Pyrene
 Concen: 22.777 ng
 RT: 20.074 min Scan# 2856
 Delta R.T. 0.002 min
 Lab File: BG056187.D
 Acq: 3 Jan 2023 15:36

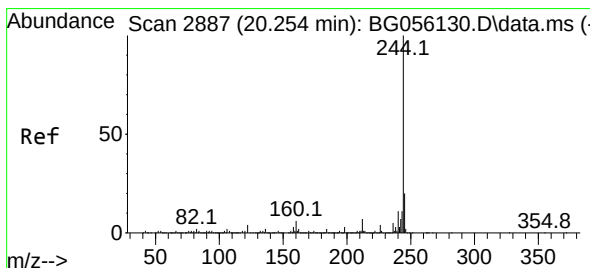
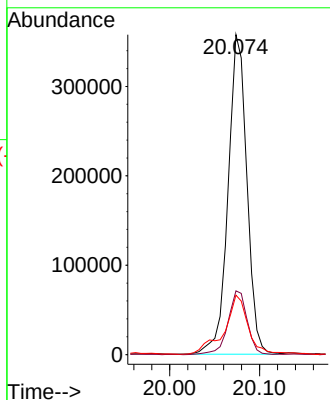
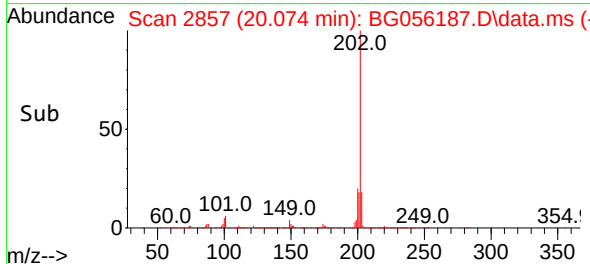
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-122822DL



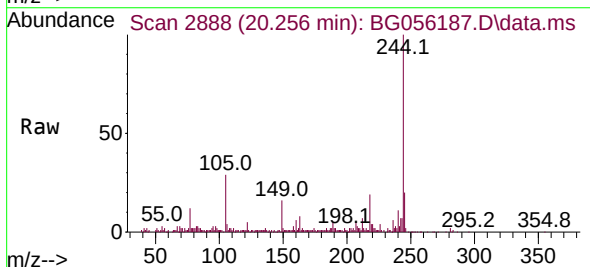
Tgt Ion:202 Resp: 523352
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.4 24.6
 203 18.6 14.3 21.5

Manual Integrations
 APPROVED

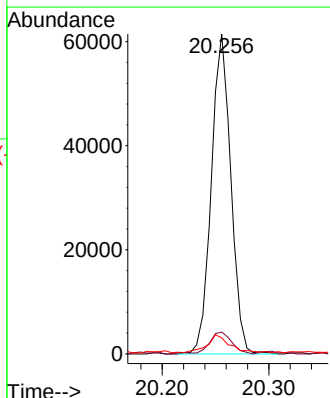
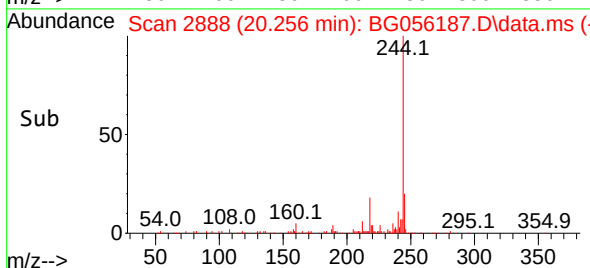
Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023

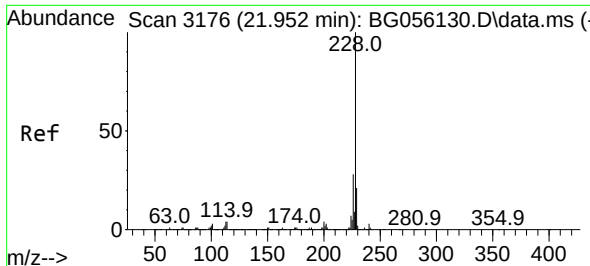


#79
 Terphenyl-d14
 Concen: 4.297 ng
 RT: 20.256 min Scan# 2888
 Delta R.T. 0.002 min
 Lab File: BG056187.D
 Acq: 3 Jan 2023 15:36



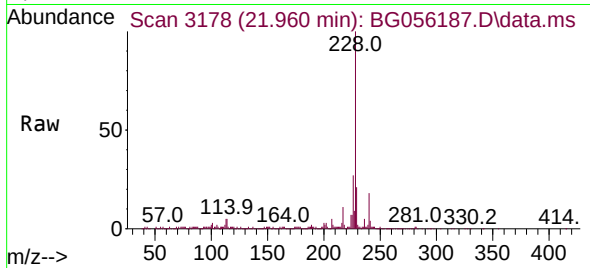
Tgt Ion:244 Resp: 78213
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 5.0 3.5 5.3





#81
Benzo(a)anthracene
Concen: 11.193 ng
RT: 21.960 min Scan# 3176
Delta R.T. 0.008 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

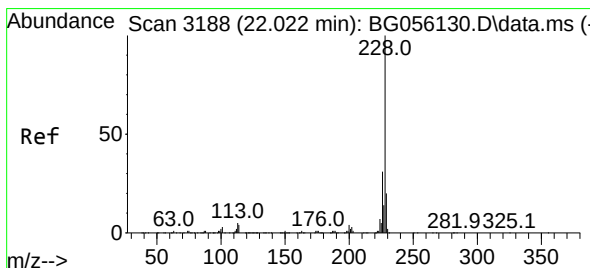
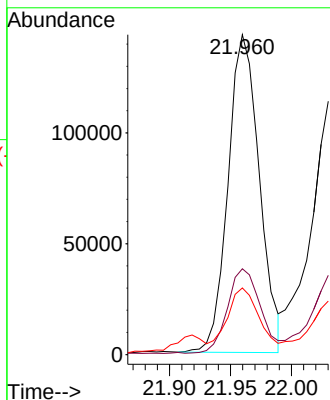
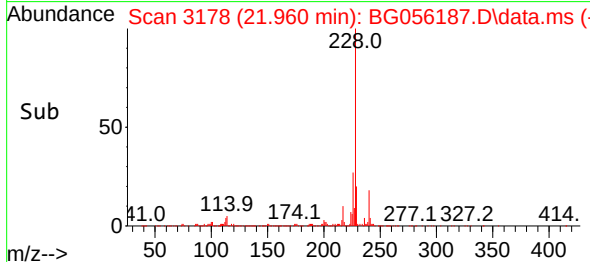
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL



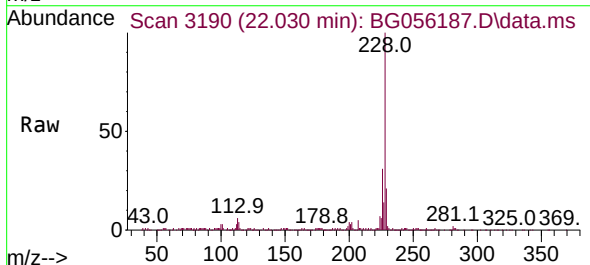
Tgt Ion:228 Resp: 256275
Ion Ratio Lower Upper
228 100
226 26.8 22.6 34.0
229 20.8 16.9 25.3

Manual Integrations
APPROVED

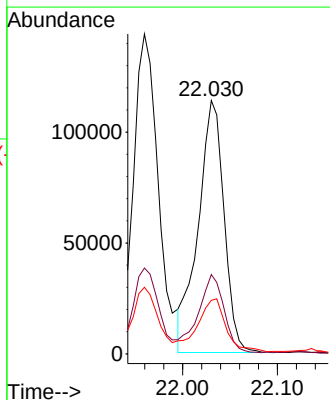
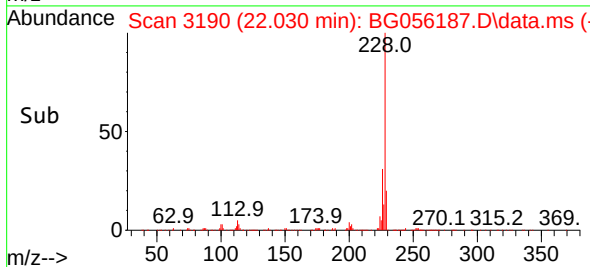
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023

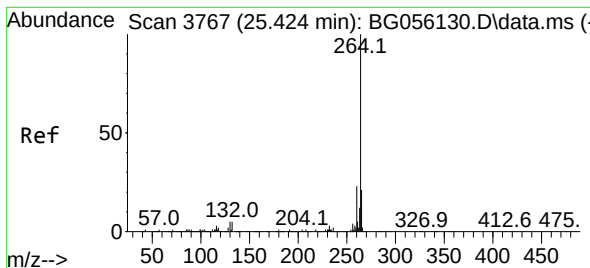


#83
Chrysene
Concen: 10.114 ng
RT: 22.030 min Scan# 3190
Delta R.T. 0.008 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36



Tgt Ion:228 Resp: 216920
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 21.1 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.444 min Scan# 31

Delta R.T. 0.020 min

Lab File: BG056187.D

Acq: 3 Jan 2023 15:36

Instrument :

BNA_G

ClientSampleId :

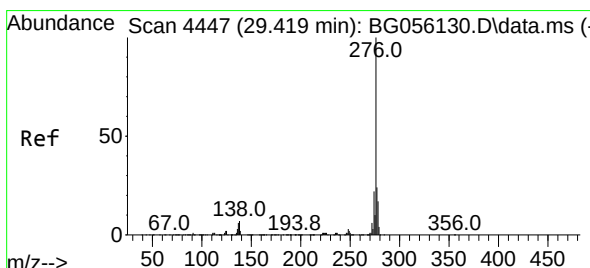
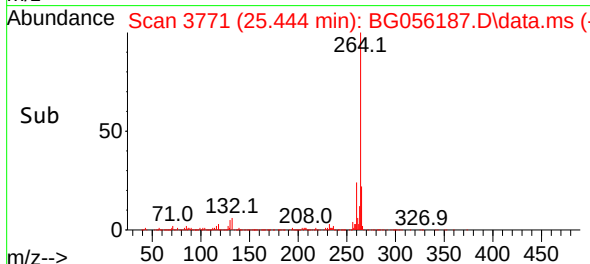
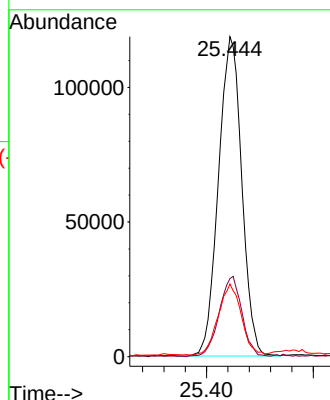
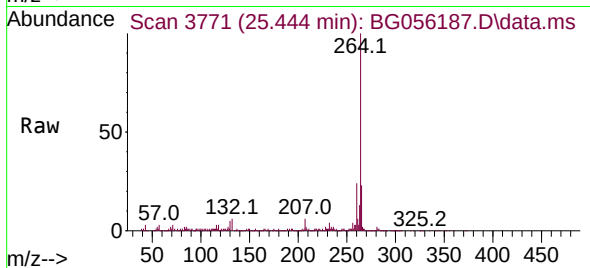
EO-03-122822DL

Tgt Ion:264	Resp:	359745
Ion Ratio	Lower	Upper
264	100	
260	24.4	18.6 28.0
265	22.7	16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.324 ng

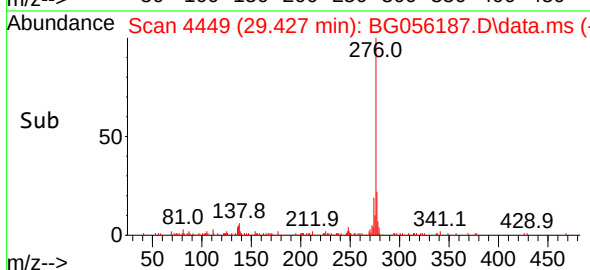
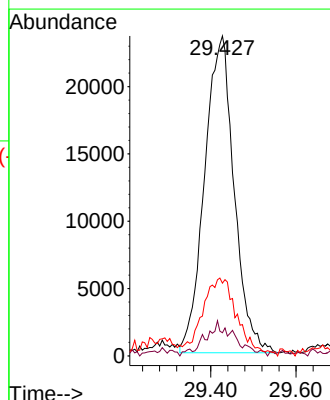
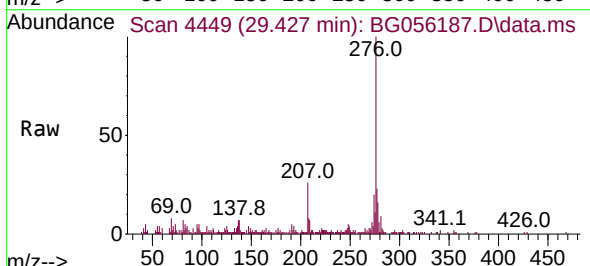
RT: 29.427 min Scan# 4449

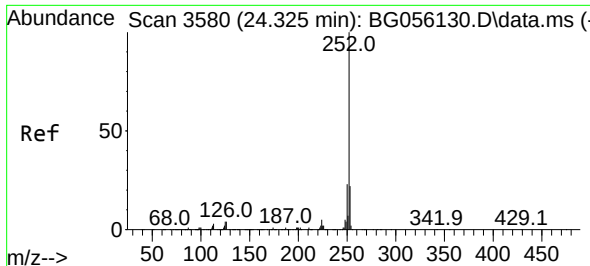
Delta R.T. 0.008 min

Lab File: BG056187.D

Acq: 3 Jan 2023 15:36

Tgt Ion:276	Resp:	113126
Ion Ratio	Lower	Upper
276	100	
138	1.9	5.0 7.4#
277	25.6	20.5 30.7





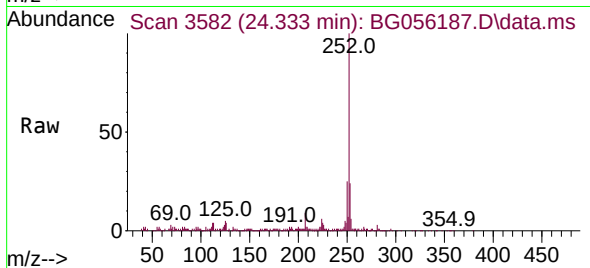
#88
Benzo(b)fluoranthene
Concen: 11.283 ng
RT: 24.333 min Scan# 3580
Delta R.T. 0.008 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

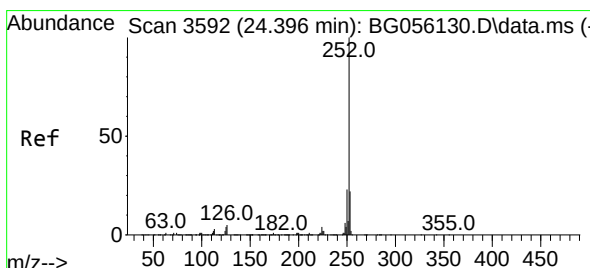
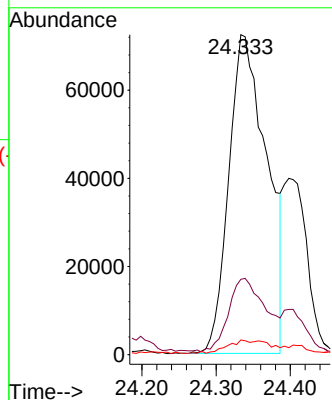
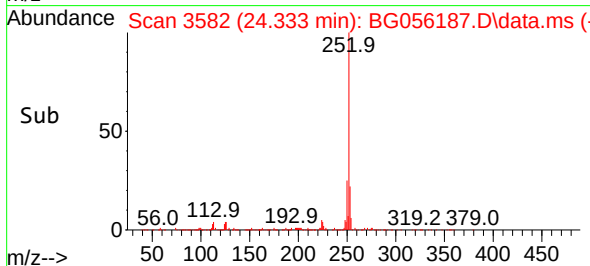


Tgt Ion:252 Resp: 257902
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 4.6 3.0 4.4

Manual Integrations

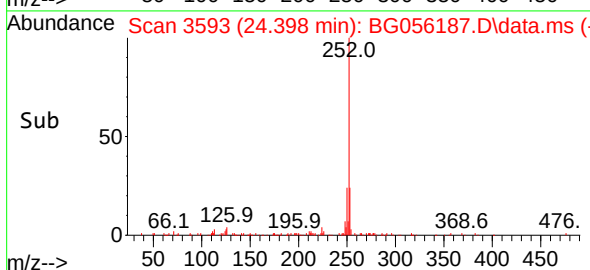
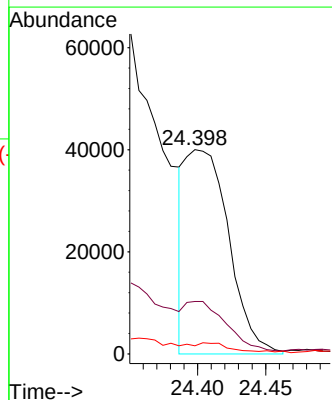
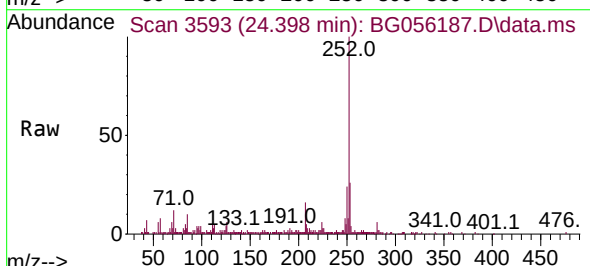
APPROVED

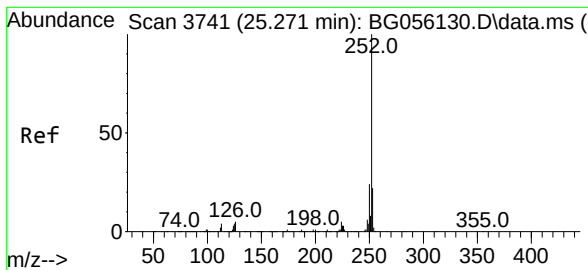
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#89
Benzo(k)fluoranthene
Concen: 3.902 ng m
RT: 24.398 min Scan# 3593
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

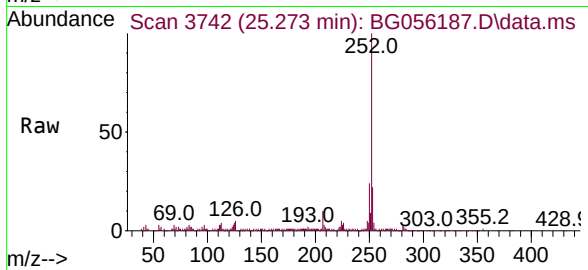
Tgt Ion:252 Resp: 88819
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 3.9 3.4 5.0





#90
Benzo(a)pyrene
Concen: 8.912 ng
RT: 25.273 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36

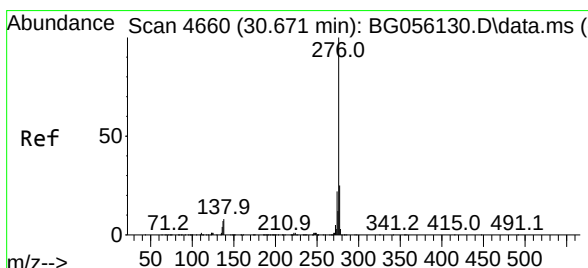
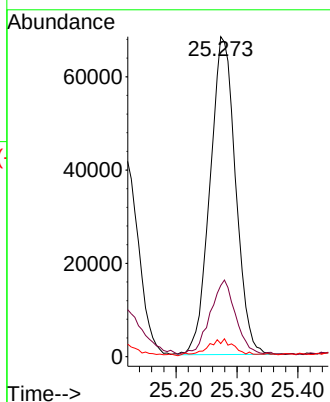
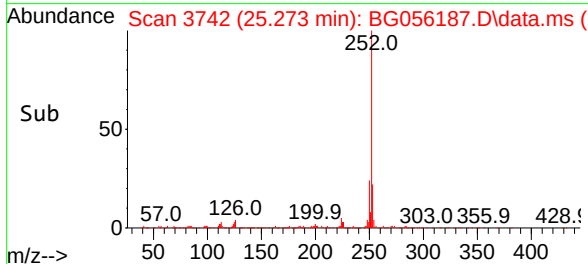
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL



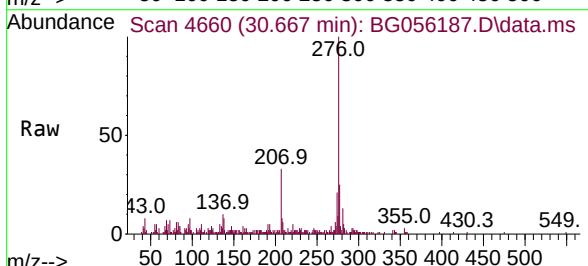
Tgt Ion:252 Resp: 19868
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 4.1 3.2 4.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#92
Benzo(g,h,i)perylene
Concen: 4.706 ng
RT: 30.667 min Scan# 4660
Delta R.T. -0.004 min
Lab File: BG056187.D
Acq: 3 Jan 2023 15:36



Tgt Ion:276 Resp: 100105
Ion Ratio Lower Upper
276 100
277 24.9 19.7 29.5
138 10.1 6.7 10.1#

