

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG123022\
 Data File : BG056175.D
 Acq On : 30 Dec 2022 17:55
 Operator : CG/JU
 Sample : N6225-01DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-122822DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023
 Supervised By :Yogesh Patel 01/03/2023

Quant Time: Dec 31 00:19:39 2022
 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	8.334	152	26127	20.000	ng	0.00
21) Naphthalene-d8	11.166	136	94098	20.000	ng	0.00
39) Acenaphthene-d10	14.944	164	72032	20.000	ng	0.00
64) Phenanthrene-d10	17.676	188	173831	20.000	ng	0.00
76) Chrysene-d12	21.971	240	186440	20.000	ng	0.00
86) Perylene-d12	25.426	264	202279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.855	112	19779	13.517	ng	0.00
7) Phenol-d6	7.465	99	28409	12.642	ng	0.00
23) Nitrobenzene-d5	9.504	82	14898	8.099	ng	0.00
42) 2,4,6-Tribromophenol	16.419	330	9595	10.518	ng	0.00
45) 2-Fluorobiphenyl	13.569	172	39933	7.655	ng	0.00
79) Terphenyl-d14	20.250	244	70458	6.769	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.219	128	42881	8.659	ng	98
37) 2-Methylnaphthalene	12.794	142	23863	5.707	ng	99
38) 1-Methylnaphthalene	13.017	142	17861	4.600	ng	91
52) Acenaphthene	15.009	154	21276	4.937	ng	97
55) Dibenzofuran	15.338	168	45114	6.326	ng	99
58) Fluorene	15.984	166	65186	11.364	ng	96
71) Phenanthrene	17.717	178	449477	49.895	ng	97
72) Anthracene	17.811	178	103422	11.129	ng	99
73) Carbazole	18.070	167	38356	4.910	ng	97
75) Fluoranthene	19.709	202	529511	45.062	ng	99
78) Pyrene	20.068	202	446757	33.997	ng	98
81) Benzo(a)anthracene	21.954	228	233624	17.841	ng	99
83) Chrysene	22.024	228	193593	15.783	ng	98
87) Indeno(1,2,3-cd)pyrene	29.386	276	99294	6.750	ng	# 98
88) Benzo(b)fluoranthene	24.321	252	240725	18.730	ng	96
89) Benzo(k)fluoranthene	24.392	252	63297m	4.946	ng	
90) Benzo(a)pyrene	25.262	252	175547	14.004	ng	# 99
91) Dibenzo(a,h)anthracene	29.451	278	29477m	2.390	ng	
92) Benzo(g,h,i)perylene	30.643	276	88008	7.358	ng	98

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

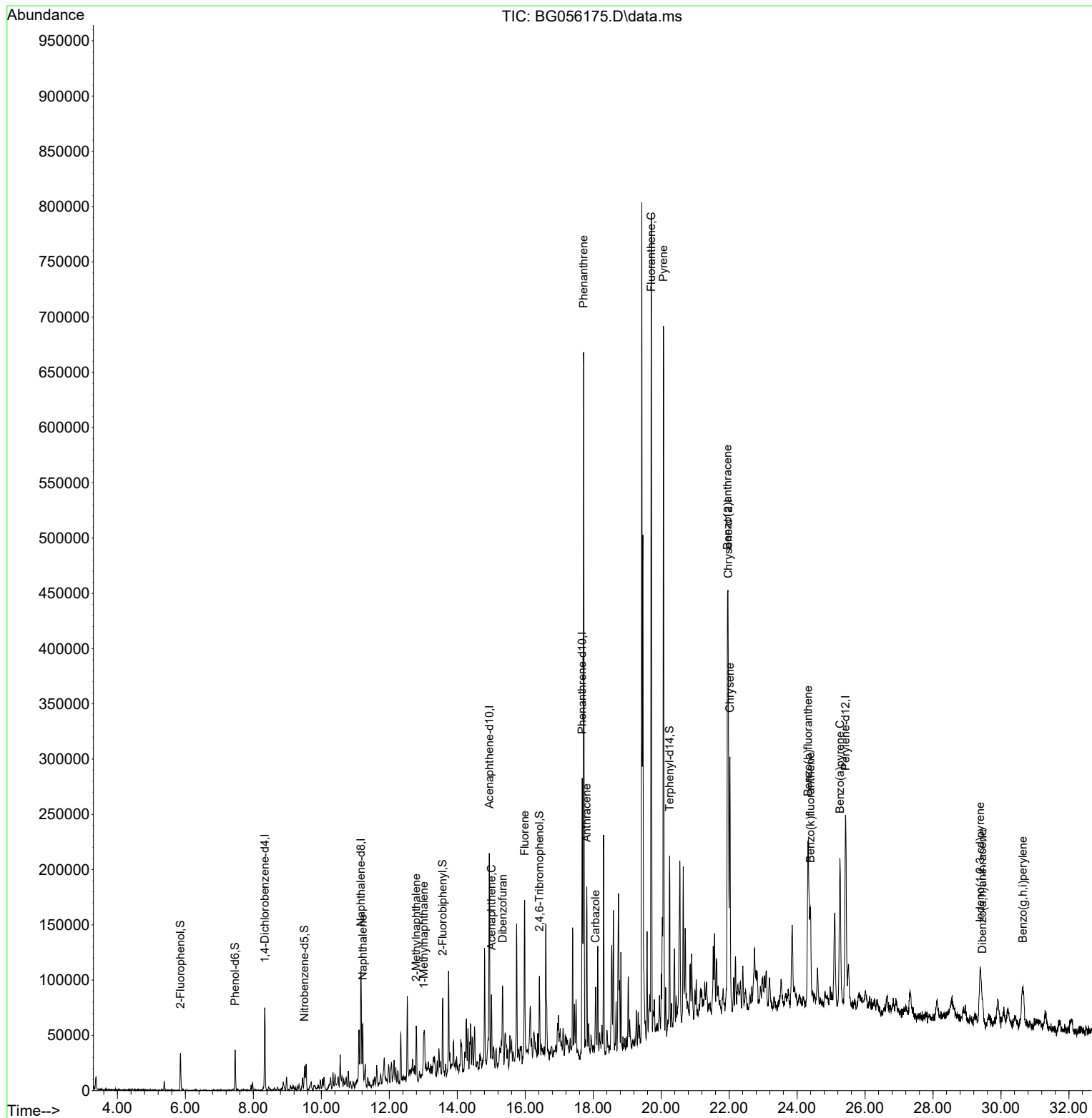
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG123022\
Data File : BG056175.D
Acq On : 30 Dec 2022 17:55
Operator : CG/JU
Sample : N6225-01DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

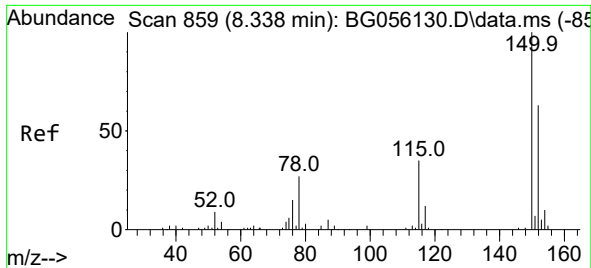
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

Quant Time: Dec 31 00:19:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
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Supervised By :Yogesh Patel 01/03/2023





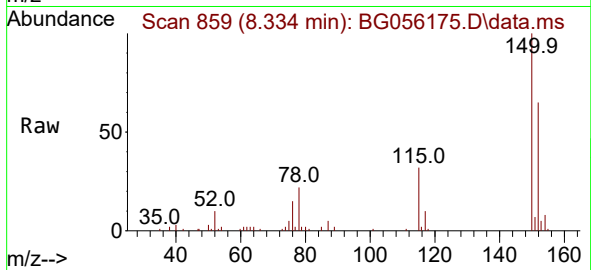
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

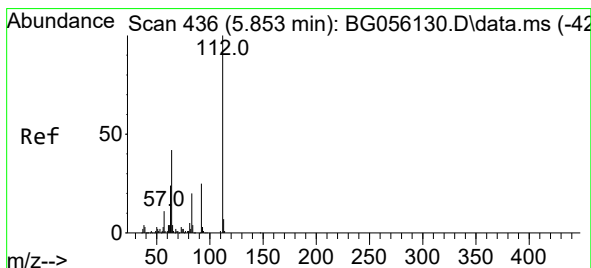
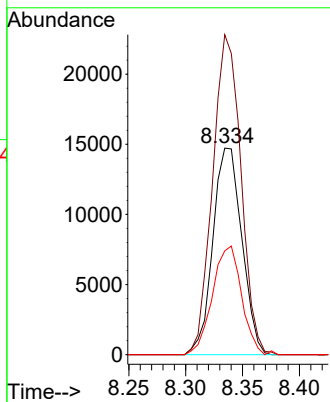
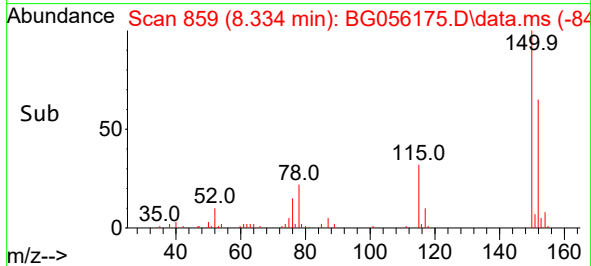


Tgt Ion:152 Resp: 2612
Ion Ratio Lower Upper
152 100
150 154.9 127.9 191.9
115 50.2 44.2 66.2

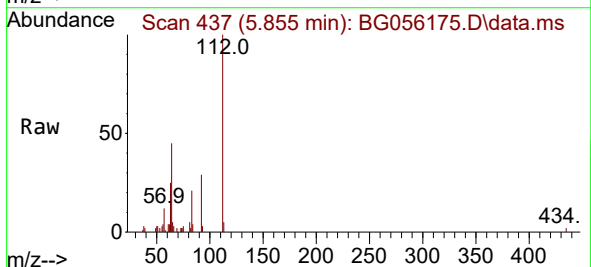
Manual Integrations

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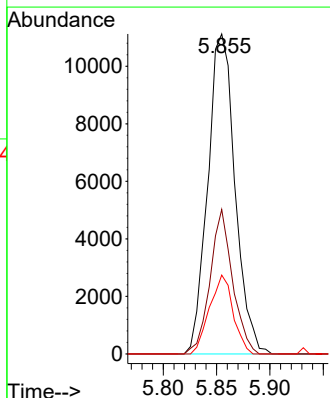
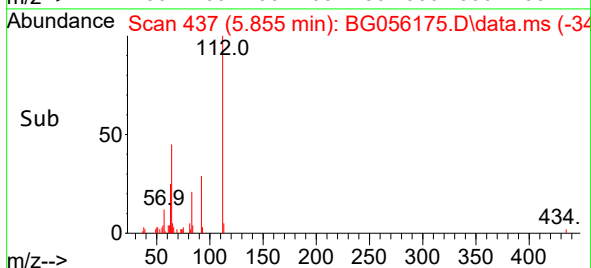
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023

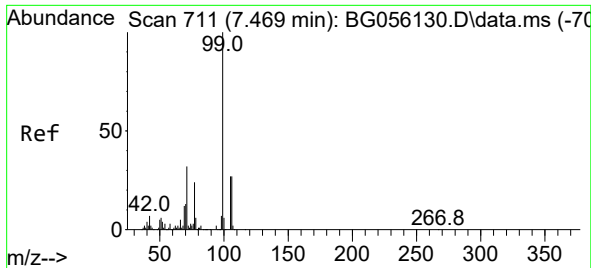


#5
2-Fluorophenol
Concen: 13.517 ng
RT: 5.855 min Scan# 437
Delta R.T. 0.002 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55



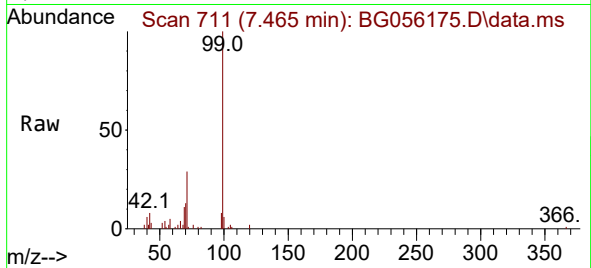
Tgt Ion:112 Resp: 19779
Ion Ratio Lower Upper
112 100
64 45.1 33.3 49.9
63 24.6 19.0 28.4





#7
Phenol-d6
Concen: 12.642 ng
RT: 7.465 min Scan# 711
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

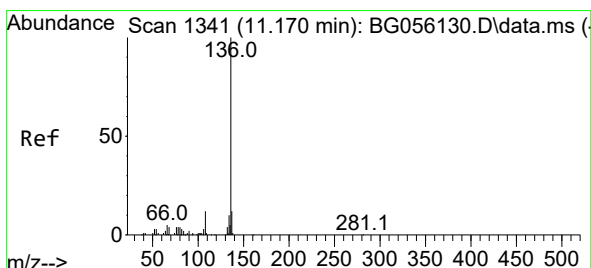
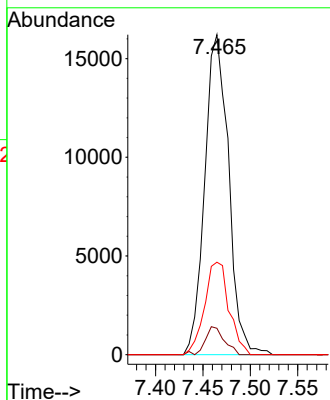
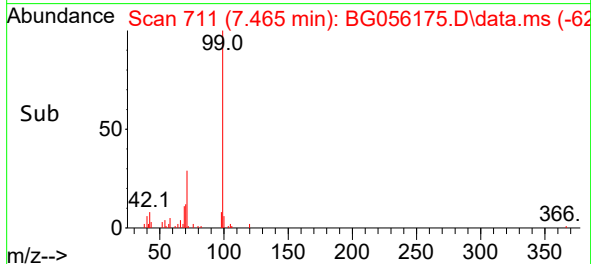
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL



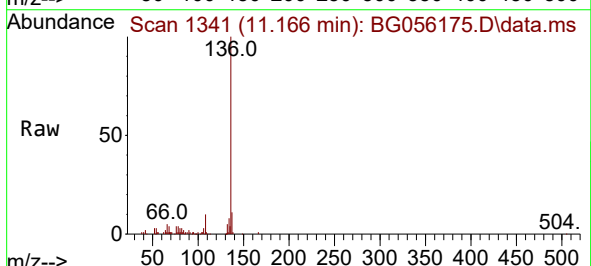
Tgt Ion: 99 Resp: 28409
Ion Ratio Lower Upper
99 100
42 8.2 5.9 8.9
71 28.9 25.4 38.2

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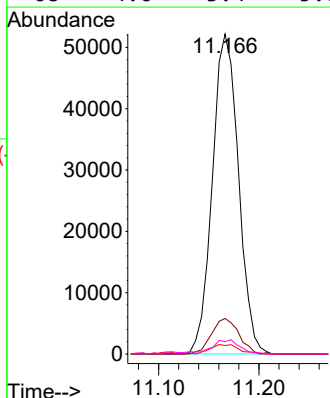
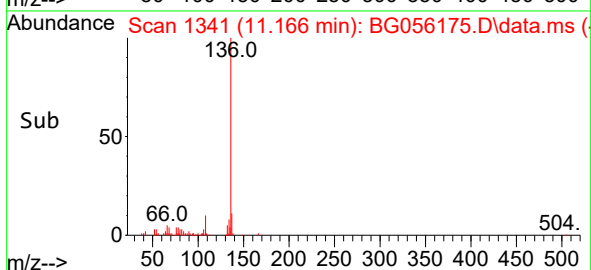
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023

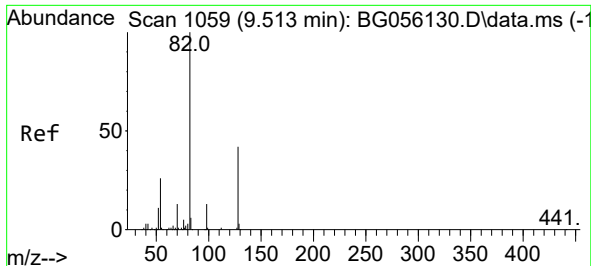


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.166 min Scan# 1341
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55



Tgt Ion:136 Resp: 94098
Ion Ratio Lower Upper
136 100
137 11.1 9.4 14.0
54 2.7 2.2 3.2
68 4.6 3.4 5.0





#23

Nitrobenzene-d5

Concen: 8.099 ng

RT: 9.504 min Scan# 1058

Delta R.T. -0.010 min

Lab File: BG056175.D

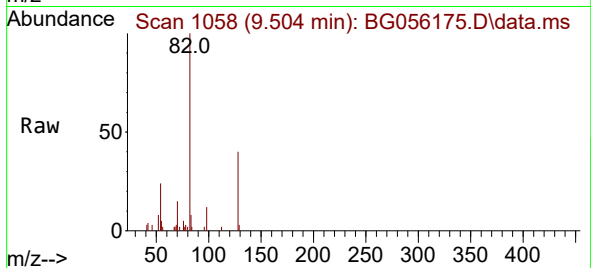
Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

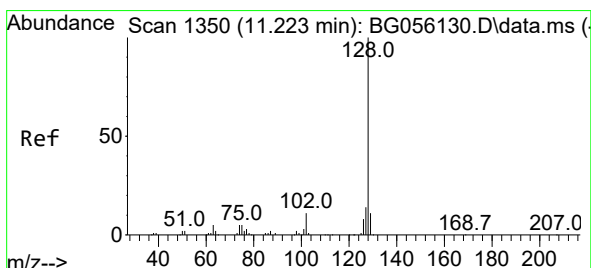
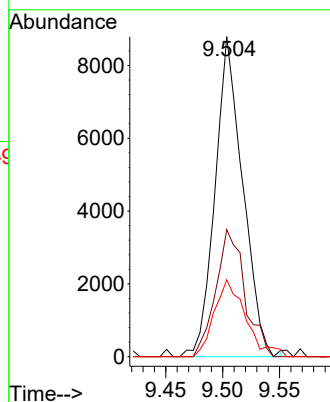
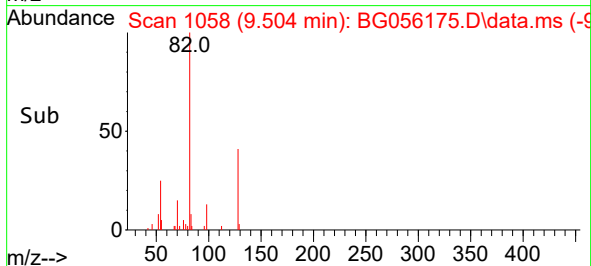


Tgt Ion: 82	Resp: 1489
Ion Ratio	Lower Upper
82	100
128	39.7 33.4 50.2
54	24.0 20.3 30.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#31

Naphthalene

Concen: 8.659 ng

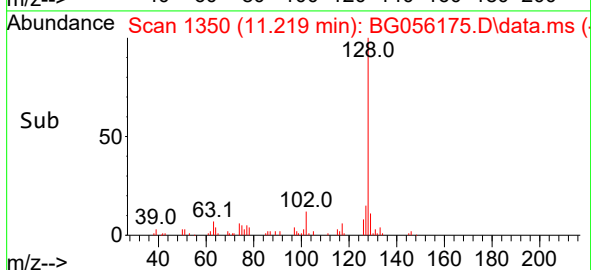
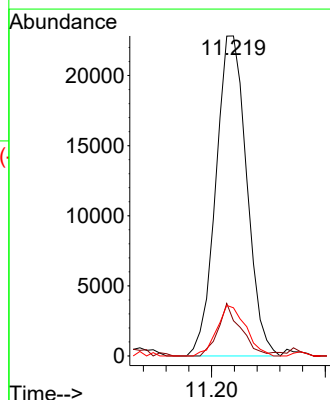
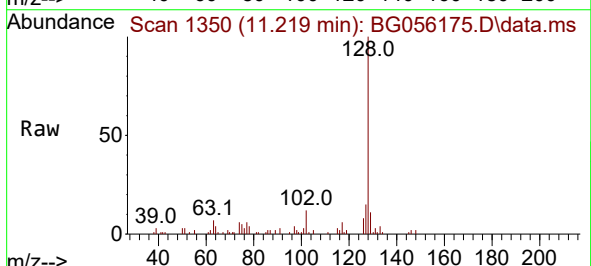
RT: 11.219 min Scan# 1350

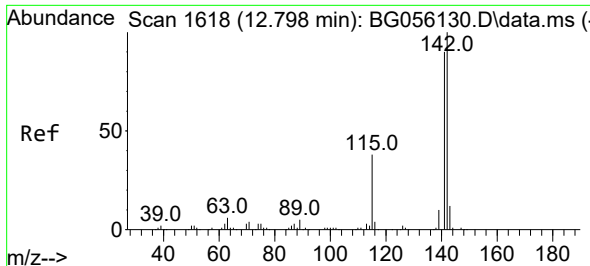
Delta R.T. -0.004 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

Tgt Ion:128	Resp: 42881
Ion Ratio	Lower Upper
128	100
129	11.0 8.9 13.3
127	15.0 11.2 16.8





#37
2-Methylnaphthalene
Concen: 5.707 ng
RT: 12.794 min Scan# 1618
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

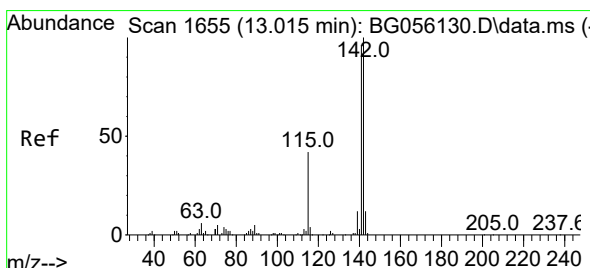
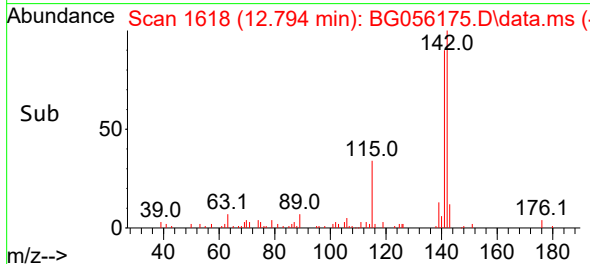
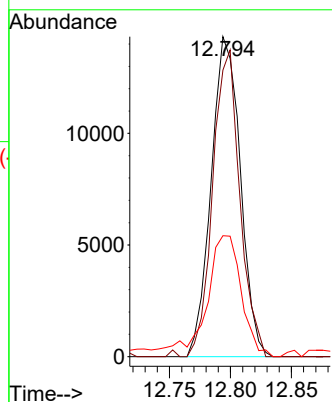
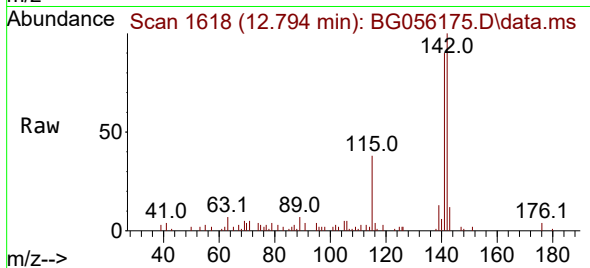
EO-03-122822DL

Tgt Ion:142 Resp: 2386
Ion Ratio Lower Upper
142 100
141 89.5 72.2 108.4
115 37.8 30.7 46.1

Manual Integrations

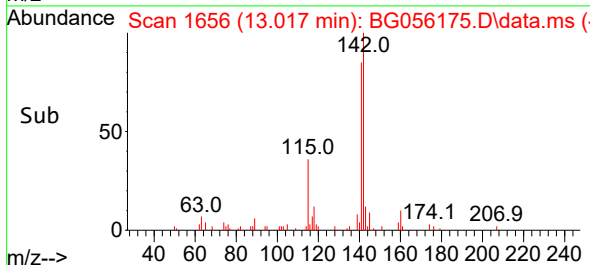
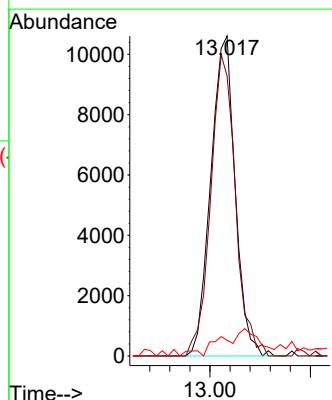
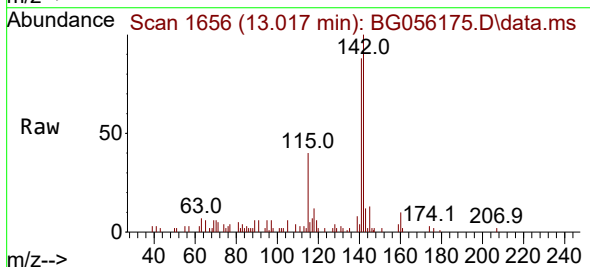
APPROVED

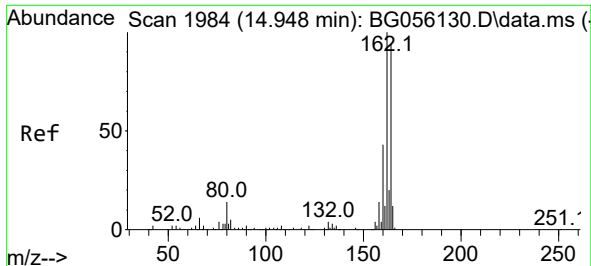
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#38
1-Methylnaphthalene
Concen: 4.600 ng
RT: 13.017 min Scan# 1656
Delta R.T. 0.002 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:142 Resp: 17861
Ion Ratio Lower Upper
142 100
141 87.5 77.0 115.6
116 4.9 3.6 5.4





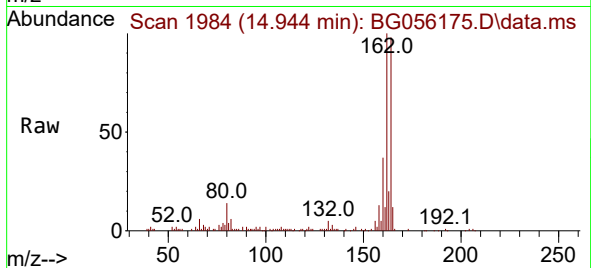
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.944 min Scan# 1984
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

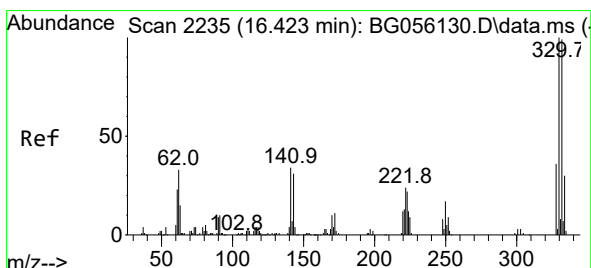
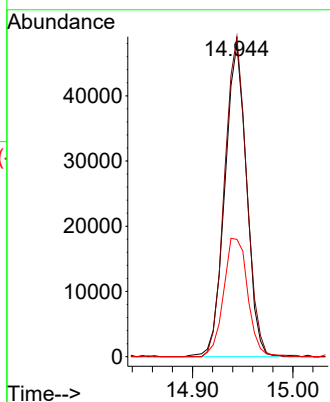
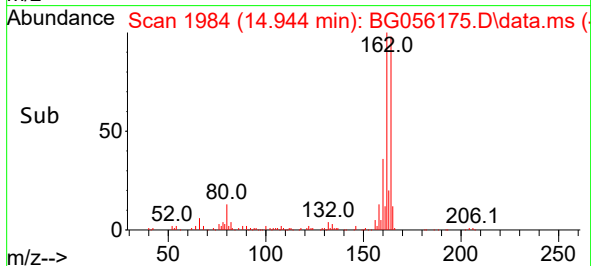


Tgt Ion:164 Resp: 7203
Ion Ratio Lower Upper
164 100
162 102.3 84.7 127.1
160 37.5 36.3 54.5

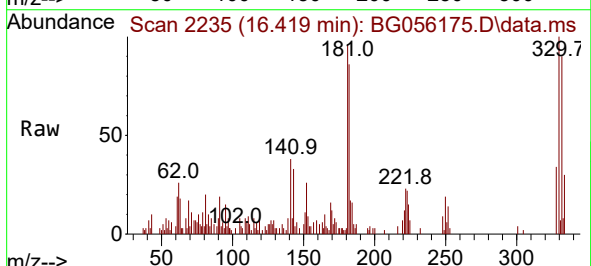
Manual Integrations

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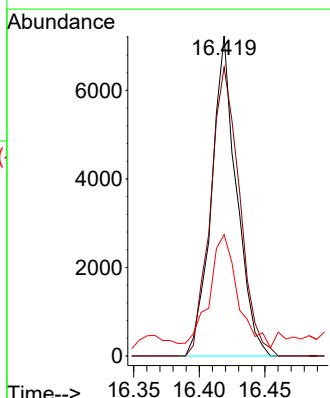
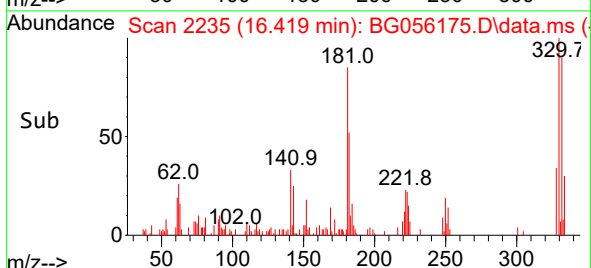
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023

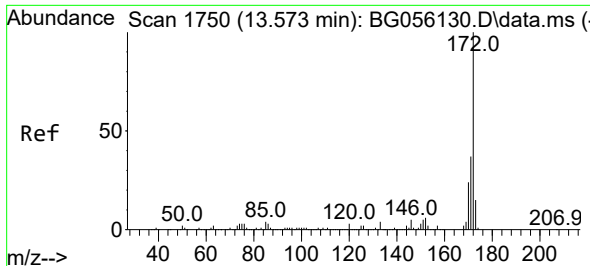


#42
2,4,6-Tribromophenol
Concen: 10.518 ng
RT: 16.419 min Scan# 2235
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55



Tgt Ion:330 Resp: 9595
Ion Ratio Lower Upper
330 100
332 104.6 77.3 115.9
141 40.2 27.9 41.9





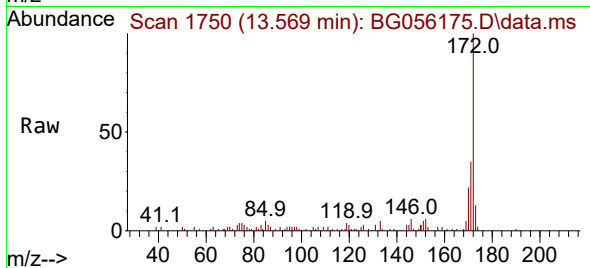
#45
2-Fluorobiphenyl
Concen: 7.655 ng
RT: 13.569 min Scan# 1750
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

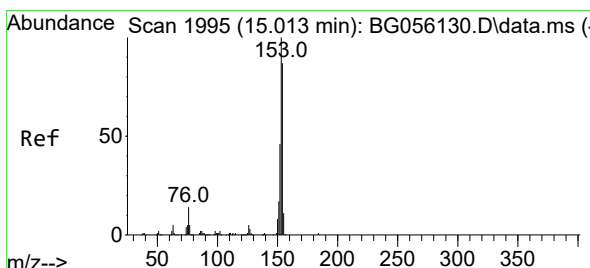
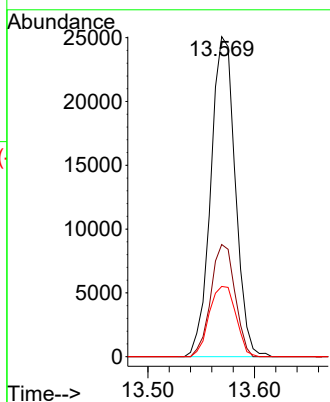
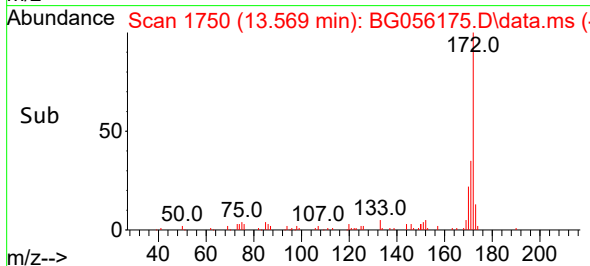


Tgt Ion:172 Resp: 3993
Ion Ratio Lower Upper
172 100
171 35.0 29.6 44.4
170 21.9 19.4 29.2

Manual Integrations

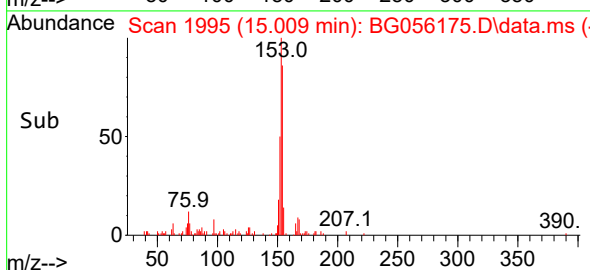
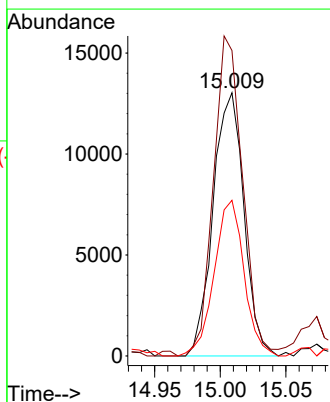
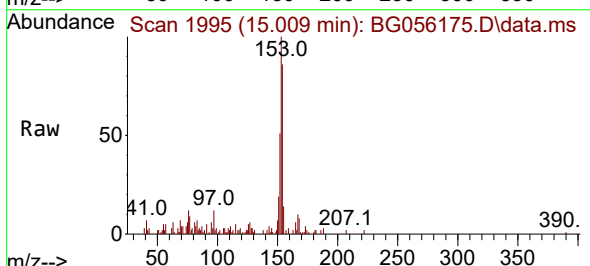
APPROVED

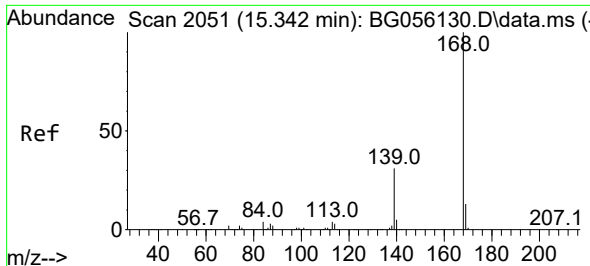
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#52
Acenaphthene
Concen: 4.937 ng
RT: 15.009 min Scan# 1995
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

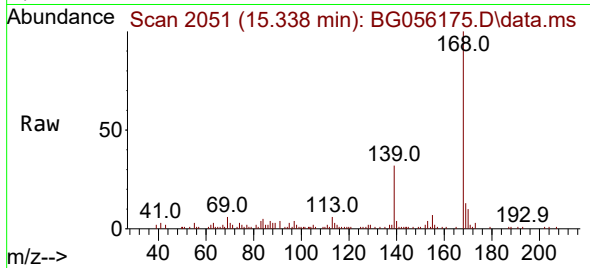
Tgt Ion:154 Resp: 21276
Ion Ratio Lower Upper
154 100
153 116.0 92.0 138.0
152 59.2 42.5 63.7





#55
Dibenzenofuran
Concen: 6.326 ng
RT: 15.338 min Scan# 2051
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

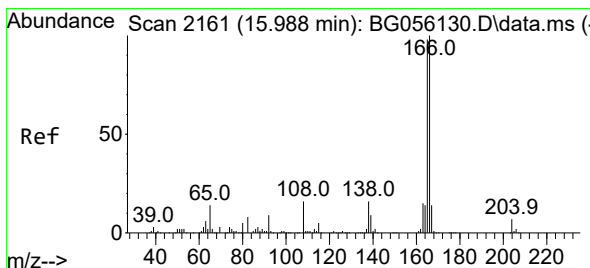
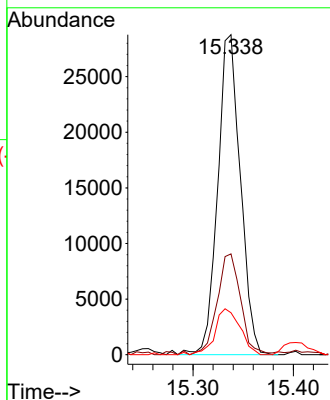
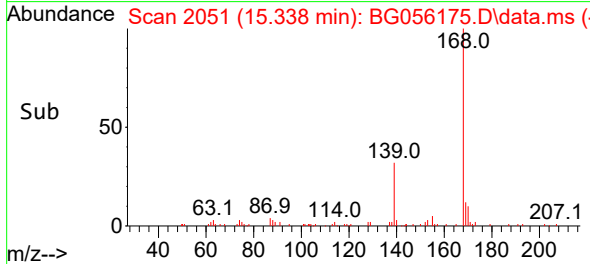
Instrument :
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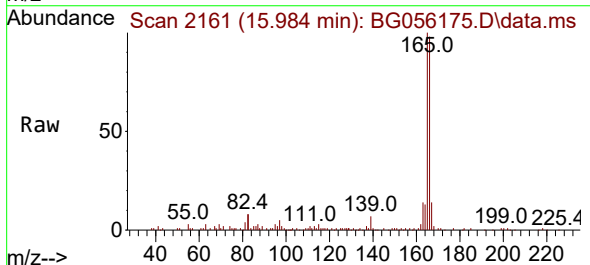
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Ion Ratio Lower Upper
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139 31.5 24.7 37.1
169 13.1 10.3 15.5

Manual Integrations
APPROVED

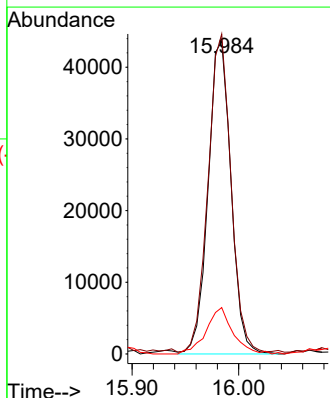
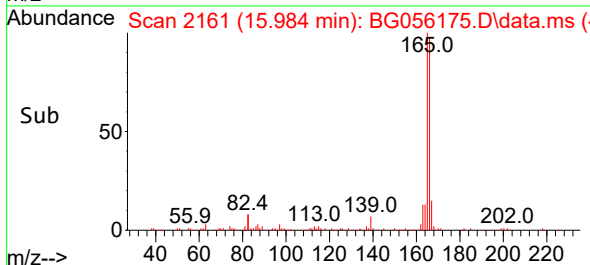
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023

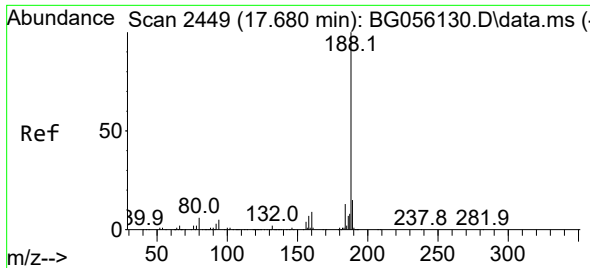


#58
Fluorene
Concen: 11.364 ng
RT: 15.984 min Scan# 2161
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55



Tgt Ion:166 Resp: 65186
Ion Ratio Lower Upper
166 100
165 102.3 78.6 118.0
167 14.8 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.676 min Scan# 2449
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

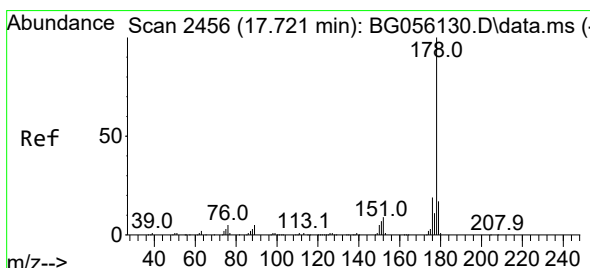
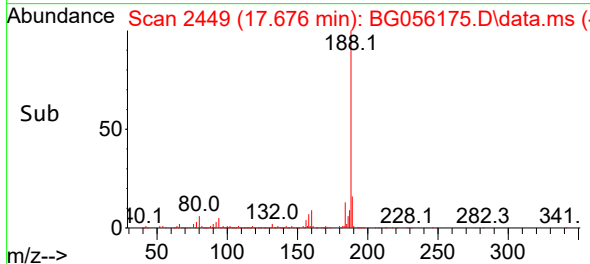
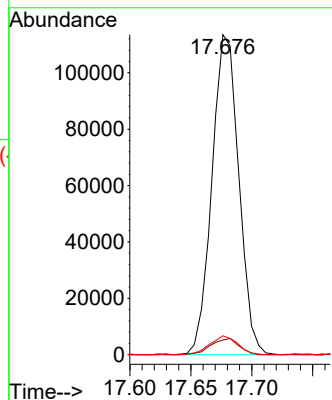
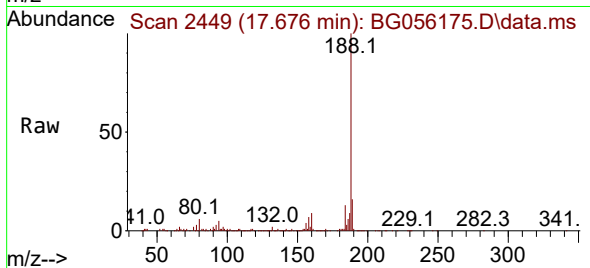
EO-03-122822DL

Tgt Ion:188 Resp: 17383
Ion Ratio Lower Upper
188 100
94 4.6 4.2 6.2
80 5.9 5.0 7.4

Manual Integrations

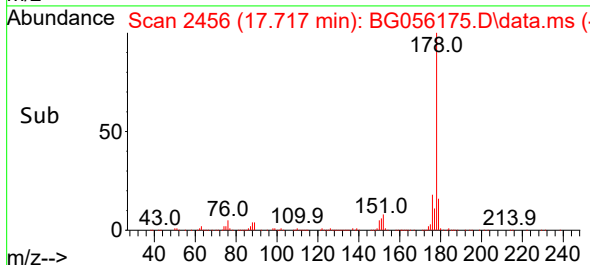
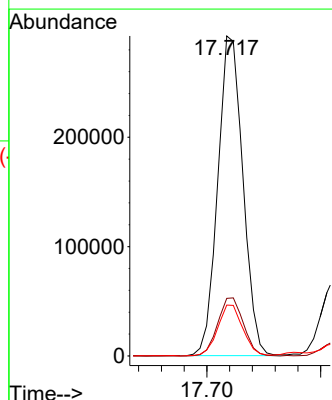
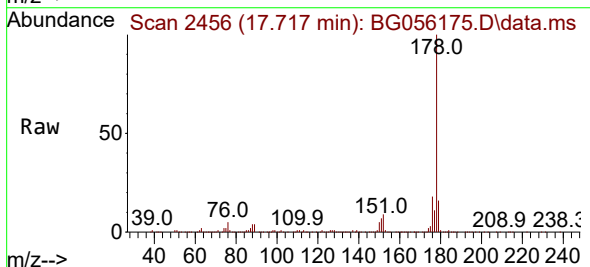
APPROVED

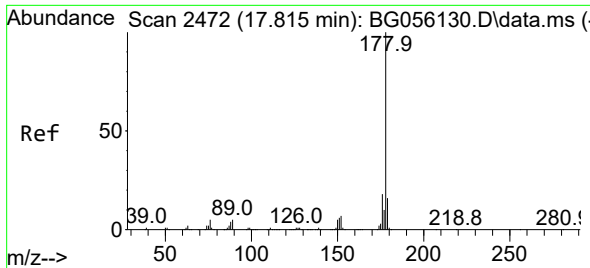
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#71
Phenanthrene
Concen: 49.895 ng
RT: 17.717 min Scan# 2456
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:178 Resp: 449477
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 15.9 13.6 20.4





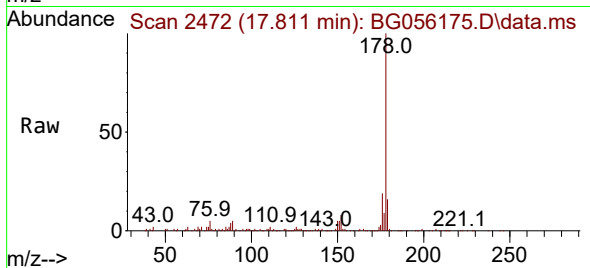
#72
 Anthracene
 Concen: 11.129 ng
 RT: 17.811 min Scan# 2472
 Delta R.T. -0.004 min
 Lab File: BG056175.D
 Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

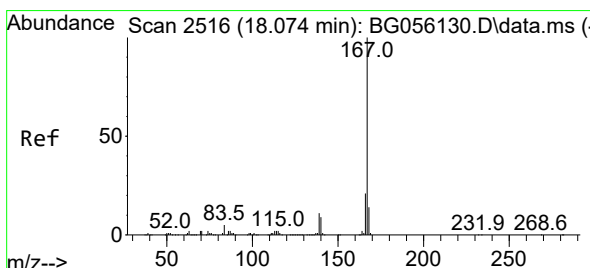
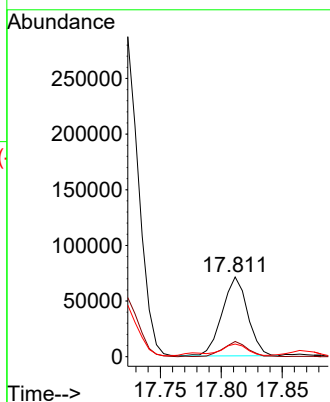
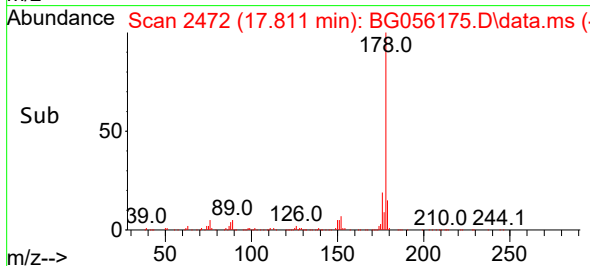


Tgt Ion:178 Resp: 103422
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.6 22.0
 179 15.8 12.7 19.1

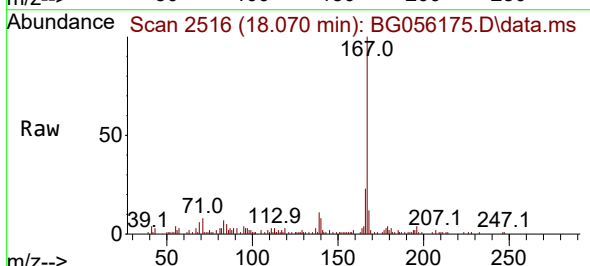
Manual Integrations

APPROVED

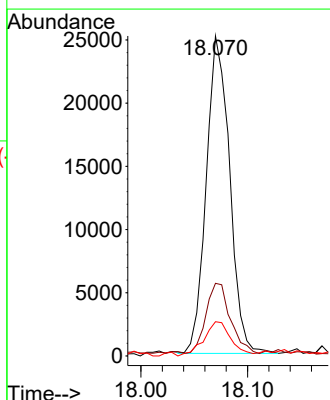
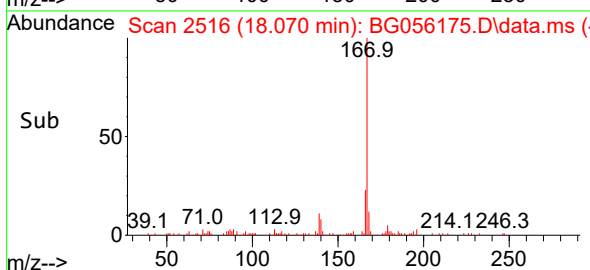
Reviewed By :Jagrut Upadhyay 01/03/2023
 Supervised By :Yogesh Patel 01/03/2023

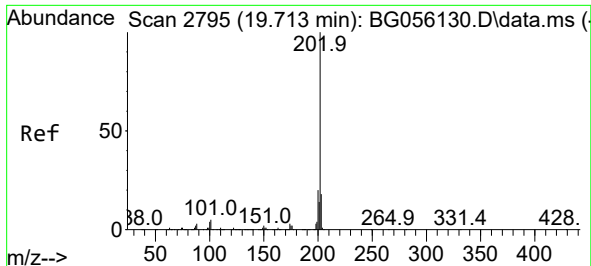


#73
 Carbazole
 Concen: 4.910 ng
 RT: 18.070 min Scan# 2516
 Delta R.T. -0.004 min
 Lab File: BG056175.D
 Acq: 30 Dec 2022 17:55



Tgt Ion:167 Resp: 38356
 Ion Ratio Lower Upper
 167 100
 166 22.7 16.8 25.2
 139 10.7 8.9 13.3





#75
Fluoranthene
Concen: 45.062 ng
RT: 19.709 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

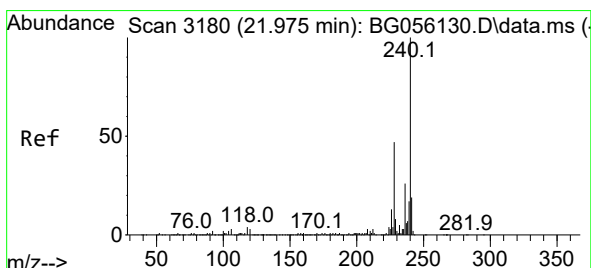
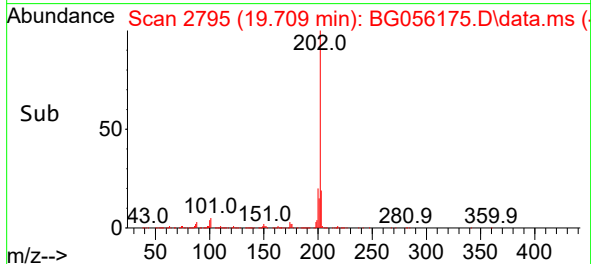
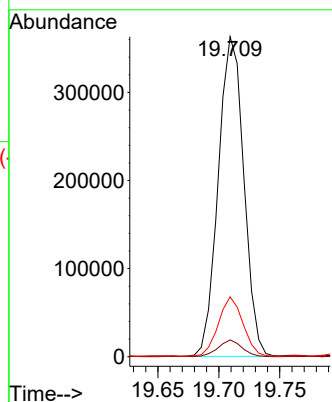
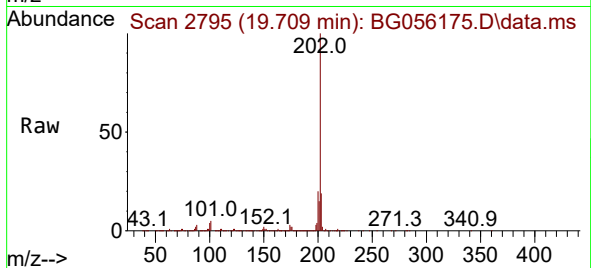
EO-03-122822DL

Tgt Ion:202 Resp: 52951
Ion Ratio Lower Upper
202 100
101 5.3 0.0 25.0
203 18.7 0.0 38.0

Manual Integrations

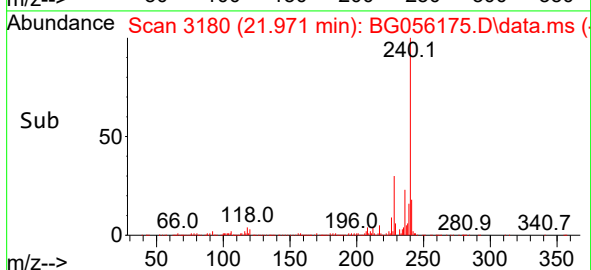
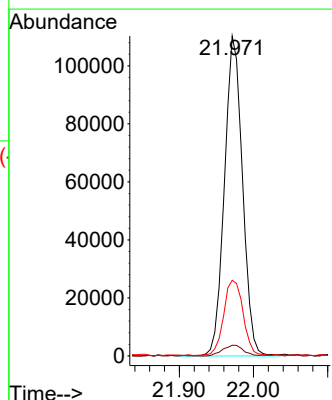
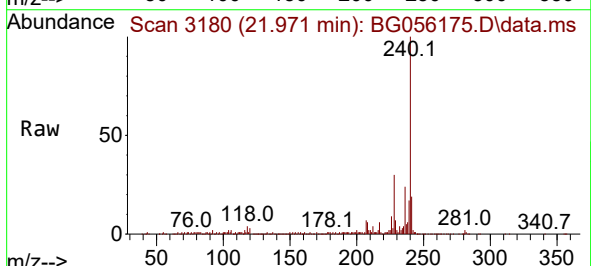
APPROVED

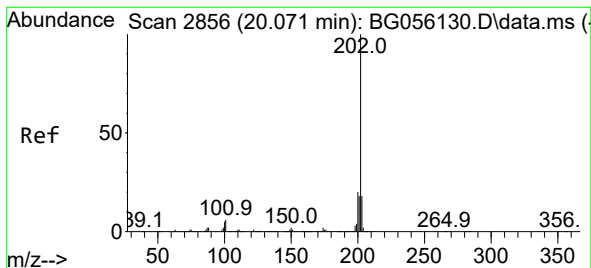
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.971 min Scan# 3180
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:240 Resp: 186440
Ion Ratio Lower Upper
240 100
120 3.4 2.6 4.0
236 23.7 20.8 31.2





#78

Pyrene

Concen: 33.997 ng

RT: 20.068 min Scan# 202

Delta R.T. -0.004 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

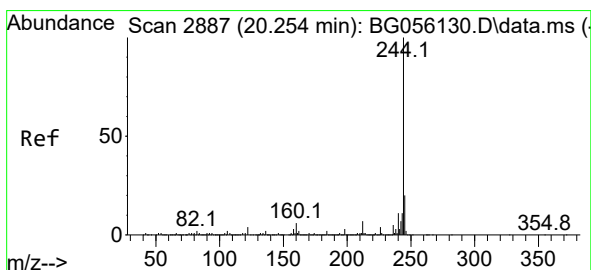
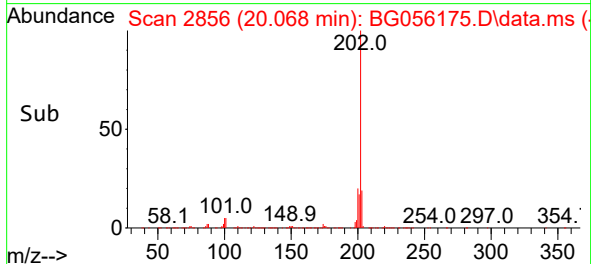
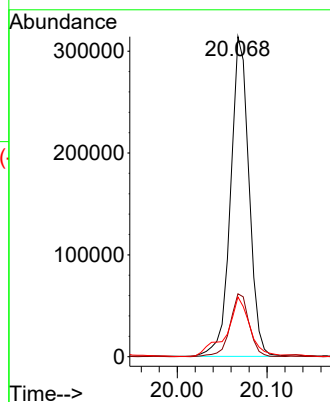
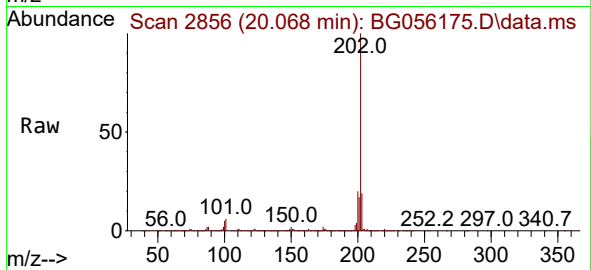
EO-03-122822DL

Tgt Ion:202	Resp: 44675
Ion Ratio	Lower Upper
202 100	
200 19.7	16.4 24.6
203 18.7	14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#79

Terphenyl-d14

Concen: 6.769 ng

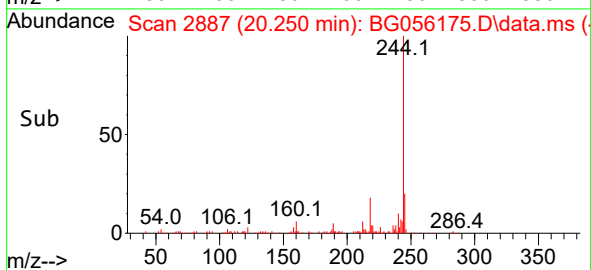
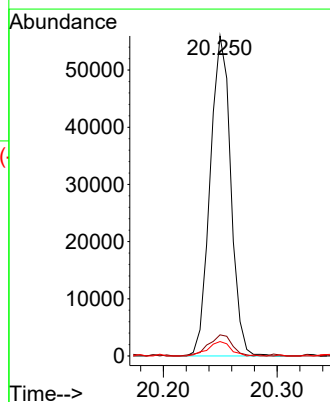
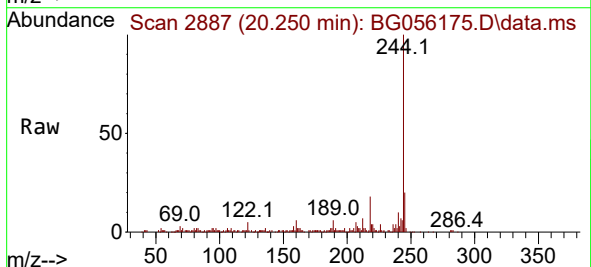
RT: 20.250 min Scan# 2887

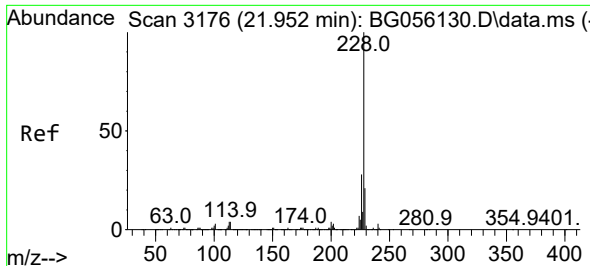
Delta R.T. -0.004 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

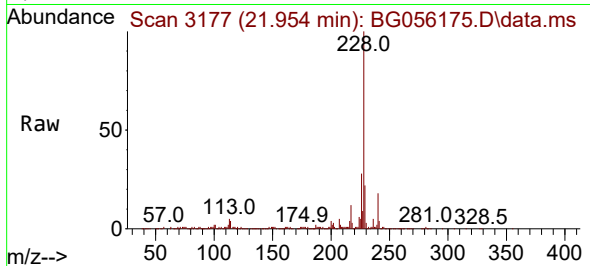
Tgt Ion:244	Resp: 70458
Ion Ratio	Lower Upper
244 100	
212 6.6	5.7 8.5
122 4.5	3.5 5.3





#81
Benzo(a)anthracene
Concen: 17.841 ng
RT: 21.954 min Scan# 3176
Delta R.T. 0.002 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

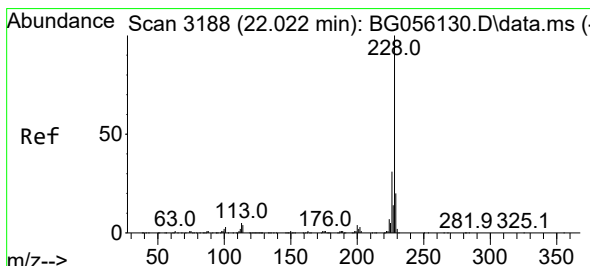
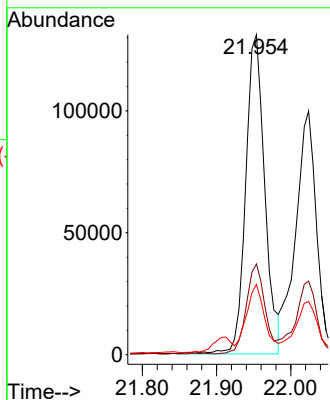
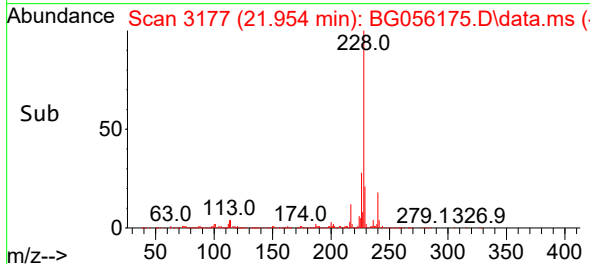
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL



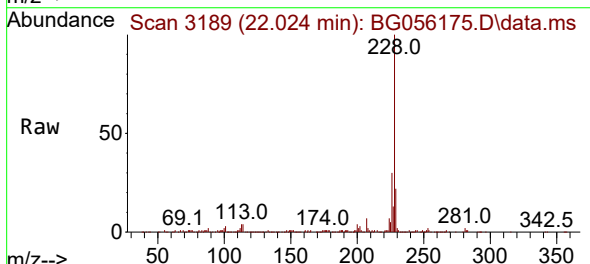
Tgt Ion:228 Resp: 233624
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 22.0 16.9 25.3

Manual Integrations
APPROVED

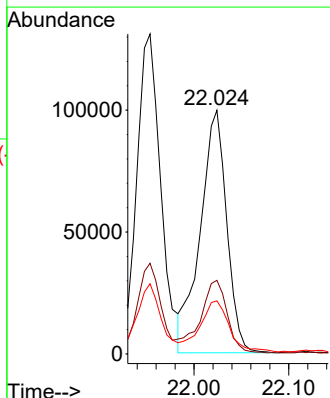
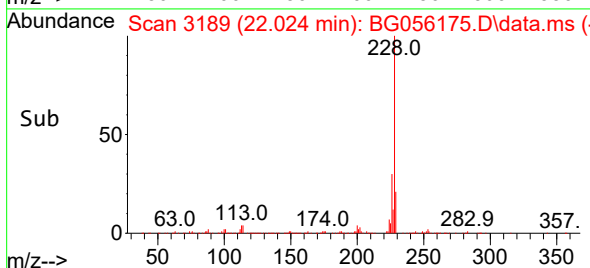
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023

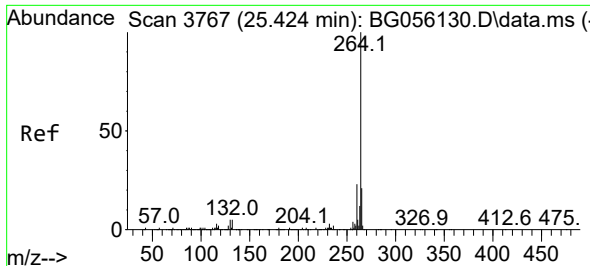


#83
Chrysene
Concen: 15.783 ng
RT: 22.024 min Scan# 3189
Delta R.T. 0.002 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55



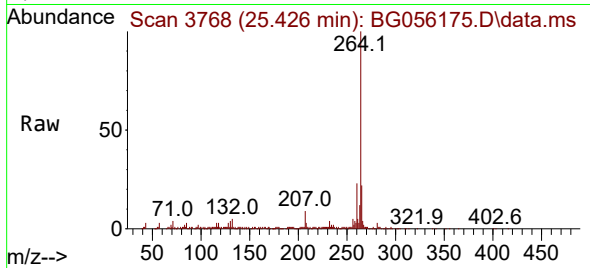
Tgt Ion:228 Resp: 193593
Ion Ratio Lower Upper
228 100
226 30.2 24.6 36.8
229 21.8 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.426 min Scan# 31
 Delta R.T. 0.002 min
 Lab File: BG056175.D
 Acq: 30 Dec 2022 17:55

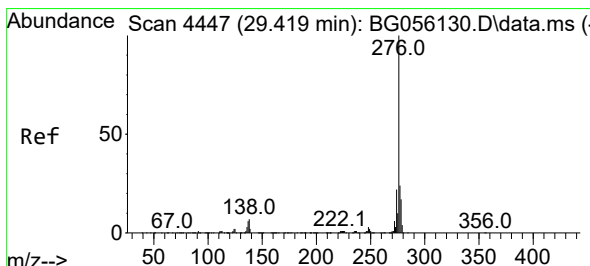
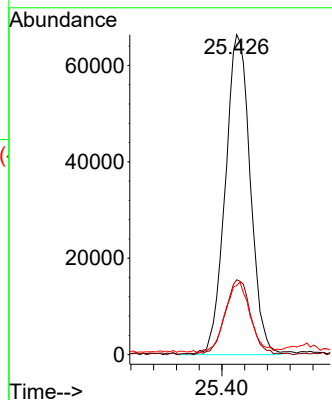
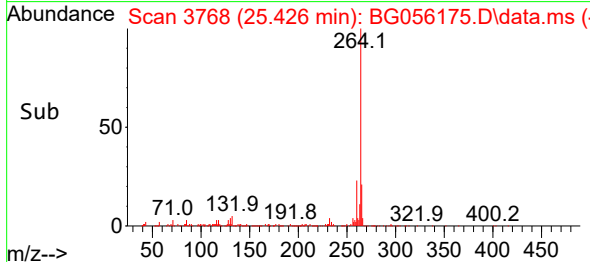
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-122822DL



Tgt Ion:264 Resp: 202279
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.7 16.7 25.1

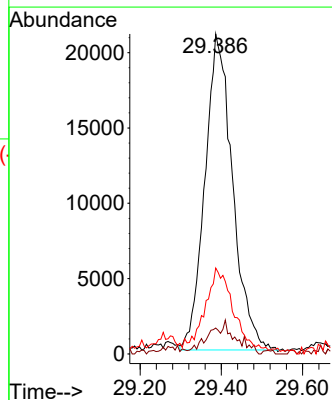
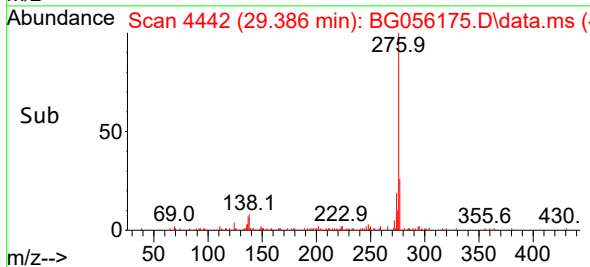
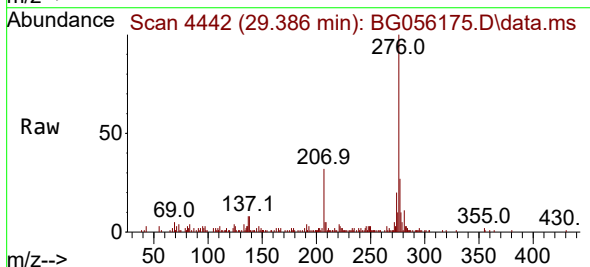
Manual Integrations
 APPROVED

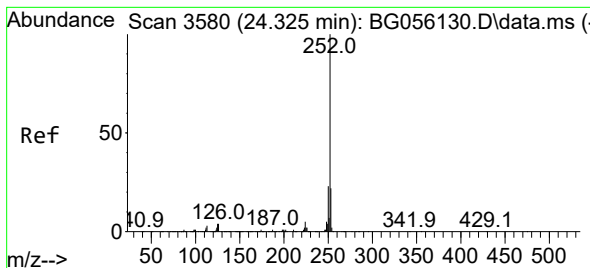
Reviewed By :Jagrut Upadhyay 01/03/2023
 Supervised By :Yogesh Patel 01/03/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.750 ng
 RT: 29.386 min Scan# 4442
 Delta R.T. -0.033 min
 Lab File: BG056175.D
 Acq: 30 Dec 2022 17:55

Tgt Ion:276 Resp: 99294
 Ion Ratio Lower Upper
 276 100
 138 3.9 5.0 7.4#
 277 26.0 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 18.730 ng

RT: 24.321 min Scan# 3580

Delta R.T. -0.004 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

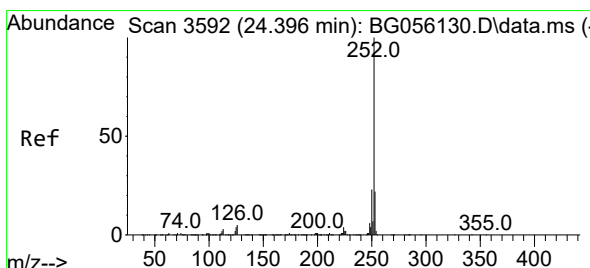
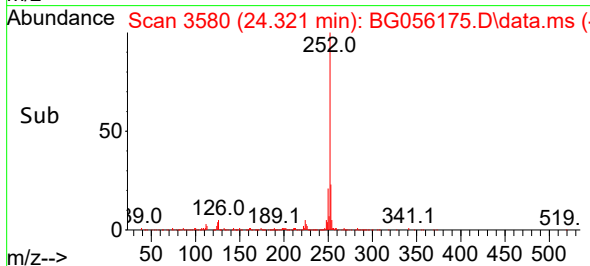
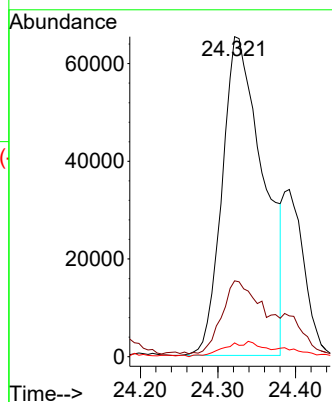
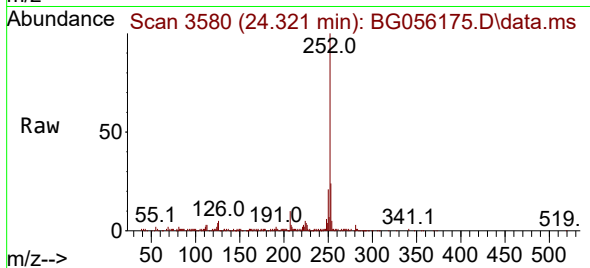
EO-03-122822DL

Tgt Ion:	252	Resp:	24072
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.2
125	4.3	3.0	4.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#89

Benzo(k)fluoranthene

Concen: 4.946 ng m

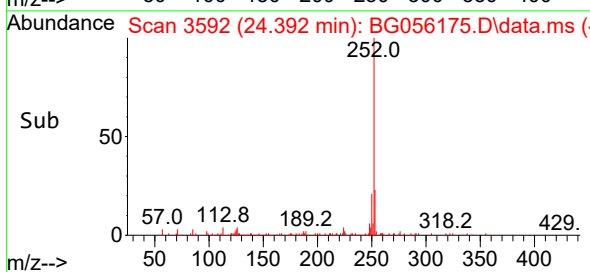
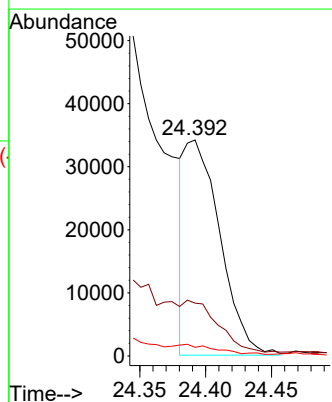
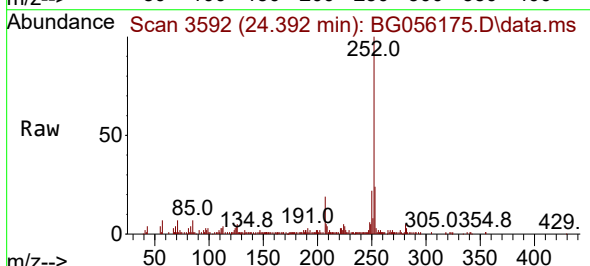
RT: 24.392 min Scan# 3592

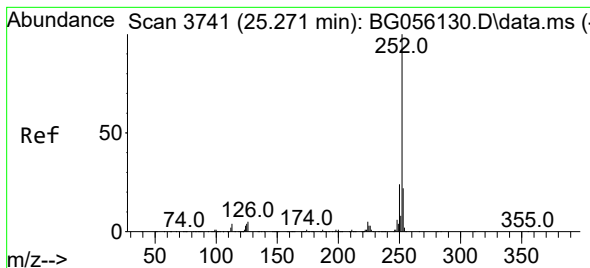
Delta R.T. -0.004 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

Tgt Ion:	252	Resp:	63297
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.5	26.3
125	4.0	3.4	5.0





#90

Benzo(a)pyrene

Concen: 14.004 ng

RT: 25.262 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

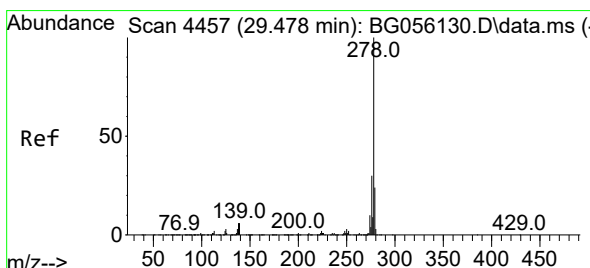
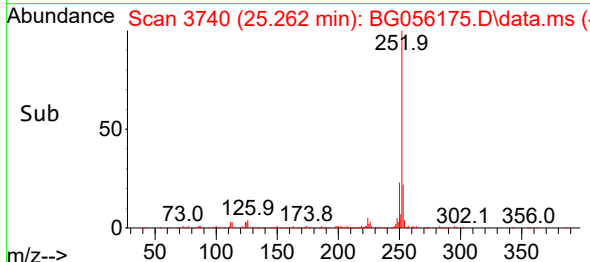
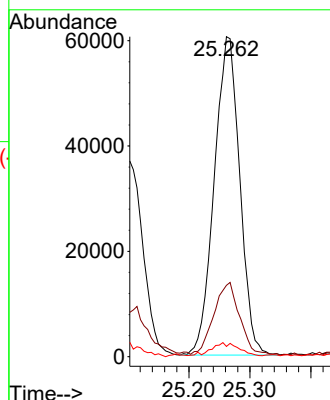
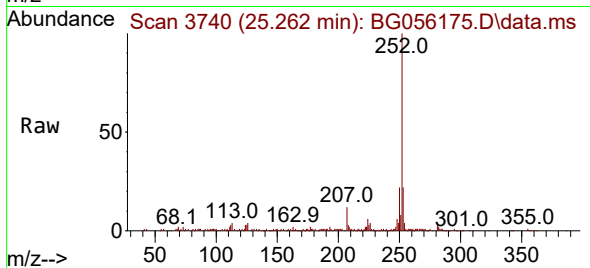
EO-03-122822DL

Tgt Ion:	252	Resp:	17554
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.2
125	3.2	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.390 ng m

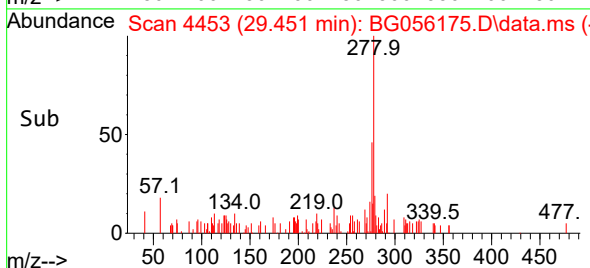
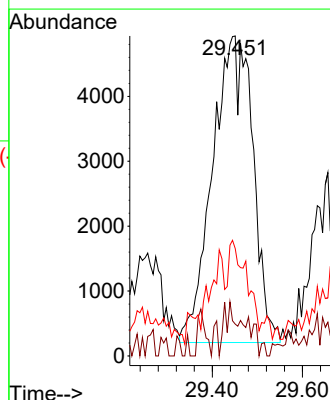
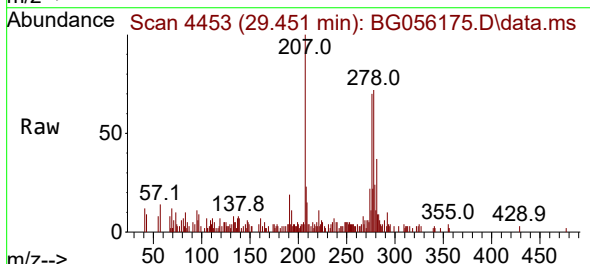
RT: 29.451 min Scan# 4453

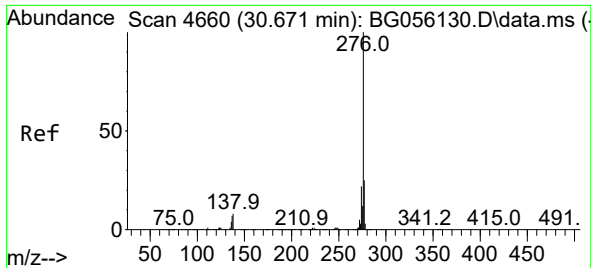
Delta R.T. -0.027 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

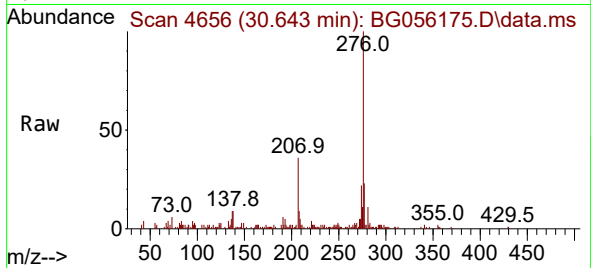
Tgt Ion:	278	Resp:	29477
Ion Ratio	Lower	Upper	
278	100		
139	9.9	4.8	7.2#
279	33.5	19.0	28.4#





#92
Benzo(g,h,i)perylene
Concen: 7.358 ng
RT: 30.643 min Scan# 40
Delta R.T. -0.027 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL



Tgt Ion:276 Resp: 88008
Ion Ratio Lower Upper
276 100
277 23.5 19.7 29.5
138 8.7 6.7 10.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023

