

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056532.D
 Acq On : 3 Feb 2023 3:03
 Operator : CG/JU
 Sample : 01386-07 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-6-013123

Manual Integrations
 APPROVED

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

Quant Time: Feb 03 06:01:58 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.281	152	57608	20.000	ng	# 0.00
21) Naphthalene-d8	11.113	136	208132	20.000	ng	0.00
39) Acenaphthene-d10	14.903	164	145640	20.000	ng	0.00
64) Phenanthrene-d10	17.641	188	320049	20.000	ng	0.00
76) Chrysene-d12	21.942	240	301250	20.000	ng	0.02
86) Perylene-d12	25.379	264	327061	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.802	112	25195	8.045	ng	0.00
7) Phenol-d6	7.424	99	35681	7.690	ng	0.00
23) Nitrobenzene-d5	9.457	82	19245	5.251	ng	0.00
42) 2,4,6-Tribromophenol	16.384	330	14305	7.388	ng	0.00
45) 2-Fluorobiphenyl	13.522	172	58576	5.576	ng	0.00
79) Terphenyl-d14	20.215	244	89433	5.214	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.166	128	165382	15.055	ng	98
37) 2-Methylnaphthalene	12.747	142	32084	3.543	ng	96
38) 1-Methylnaphthalene	12.964	142	23244	2.748	ng	91
52) Acenaphthene	14.962	154	127613	16.019	ng	99
55) Dibenzofuran	15.297	168	126653	8.865	ng	98
58) Fluorene	15.937	166	130175	11.451	ng	99
71) Phenanthrene	17.688	178	1886431	112.617	ng	98
72) Anthracene	17.776	178	499671	29.059	ng	98
73) Carbazole	18.035	167	132879	9.073	ng	99
75) Fluoranthene	19.686	202	2933646	138.763	ng	95
78) Pyrene	20.050	202	2627177	122.619	ng	95
81) Benzo(a)anthracene	21.918	228	1513104	71.845	ng	97
83) Chrysene	21.989	228	1296250	65.513	ng	97
87) Indeno(1,2,3-cd)pyrene	29.339	276	652578	27.257	ng	# 93
88) Benzo(b)fluoranthene	24.292	252	1857558	91.503	ng	99
89) Benzo(k)fluoranthene	24.351	252	618317m	30.168	ng	
90) Benzo(a)pyrene	25.226	252	1425880	71.305	ng	98
91) Dibenzo(a,h)anthracene	29.363	278	160985	8.011	ng	# 87
92) Benzo(g,h,i)perylene	30.585	276	585230	30.181	ng	96

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

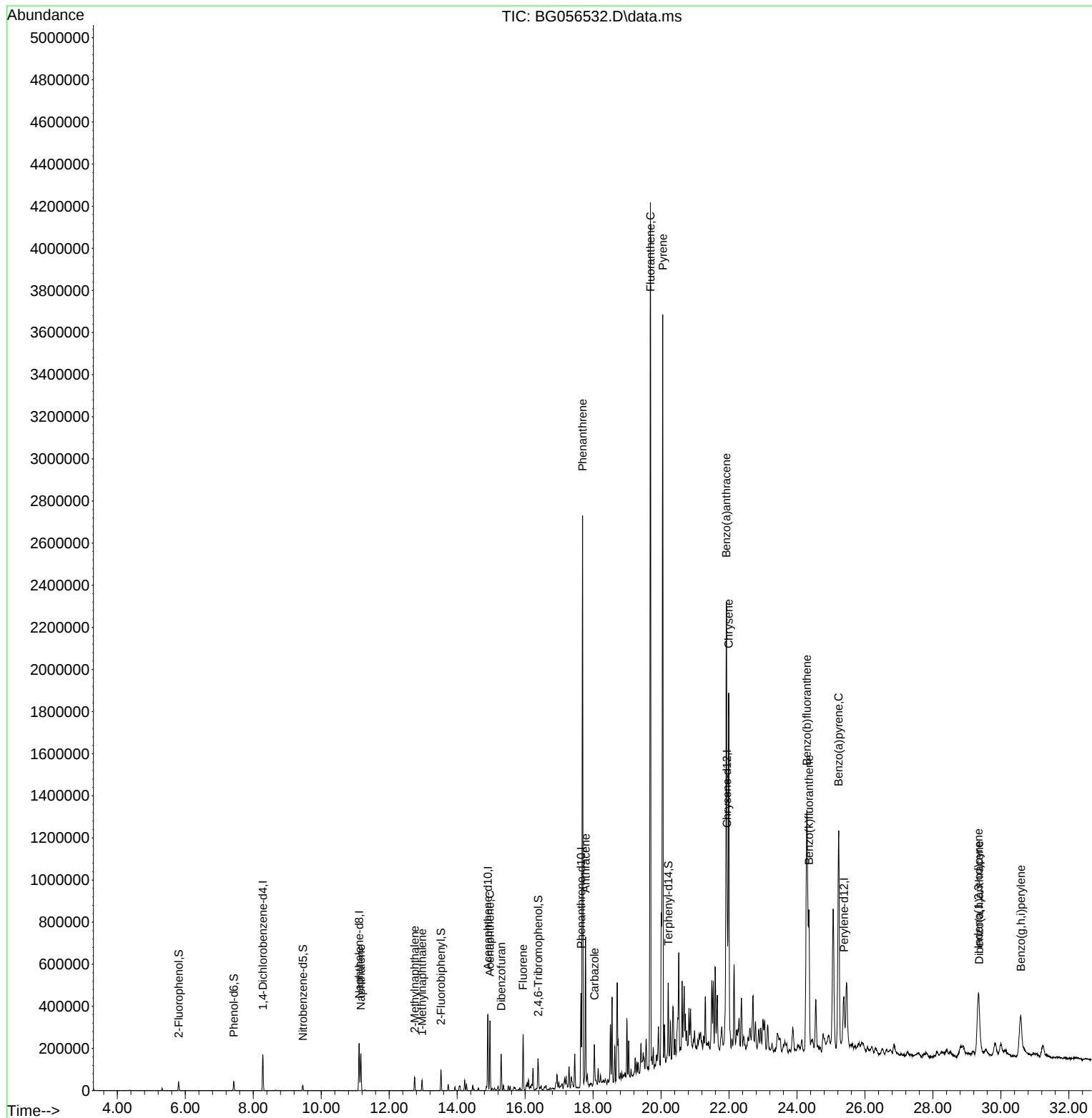
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
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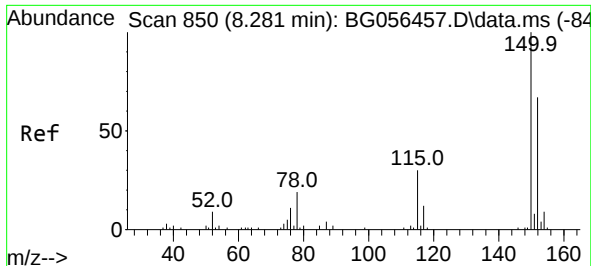
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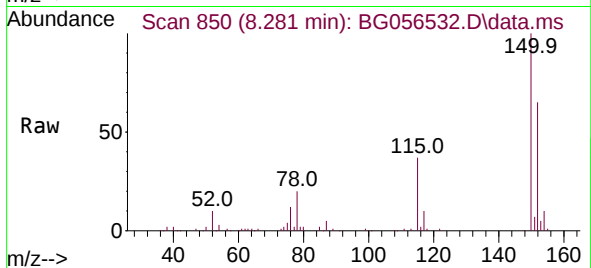
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.281 min Scan# 850
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

Instrument :

BNA_G

ClientSampleId :

JPP-6-013123

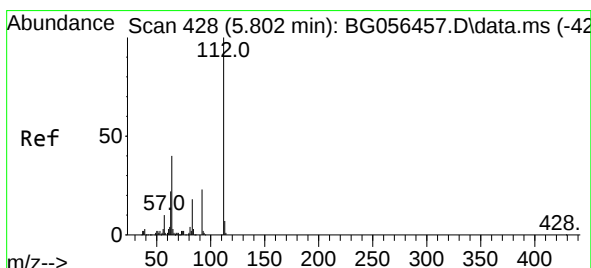
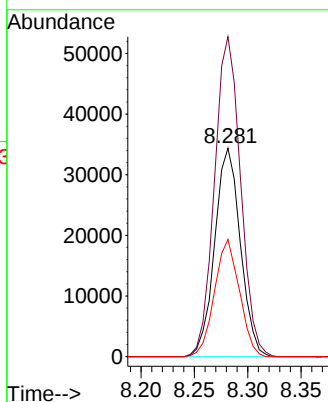
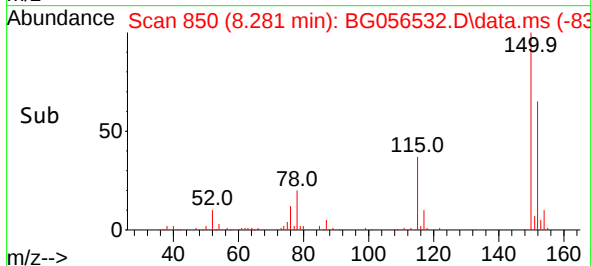


Tgt Ion:152 Resp: 57608
Ion Ratio Lower Upper
152 100
150 153.6 120.2 180.4
115 56.3 36.3 54.5

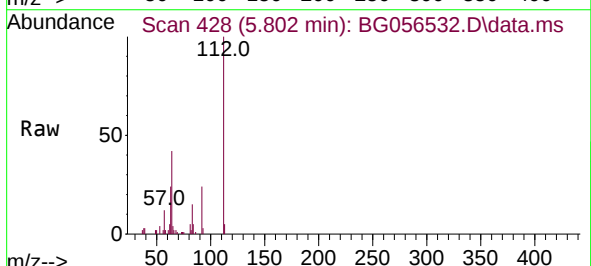
Manual Integrations

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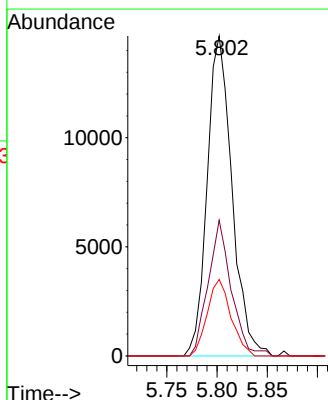
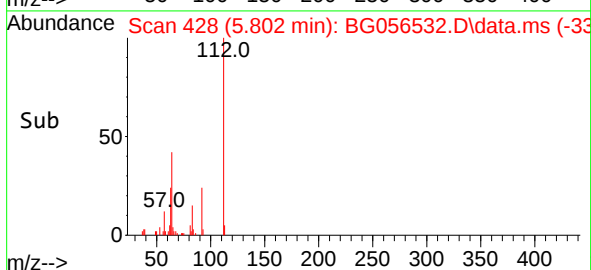
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

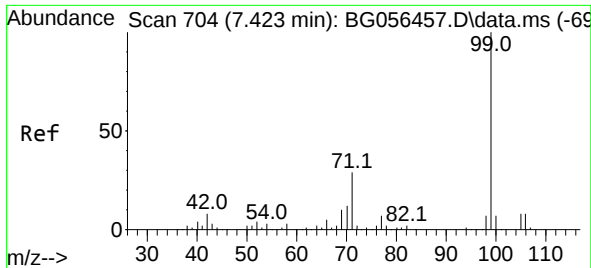


#5
2-Fluorophenol
Concen: 8.045 ng
RT: 5.802 min Scan# 428
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03



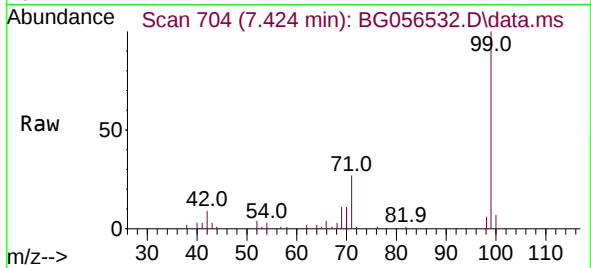
Tgt Ion:112 Resp: 25195
Ion Ratio Lower Upper
112 100
64 42.4 31.9 47.9
63 23.9 17.4 26.0





#7
Phenol-d6
Concen: 7.690 ng
RT: 7.424 min Scan# 704
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

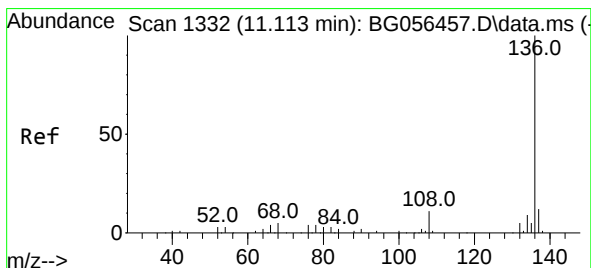
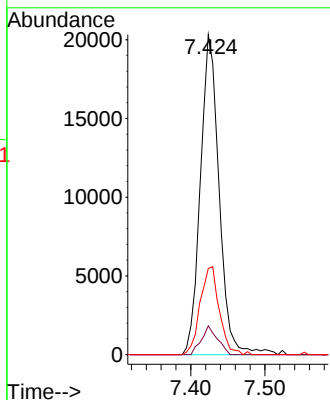
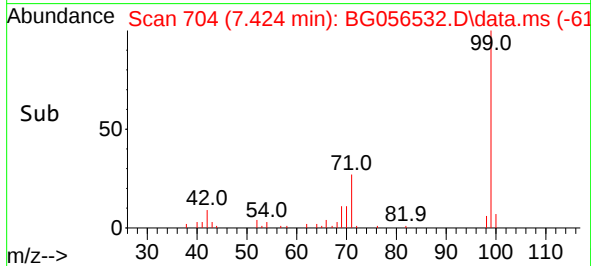
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ClientSampleId :
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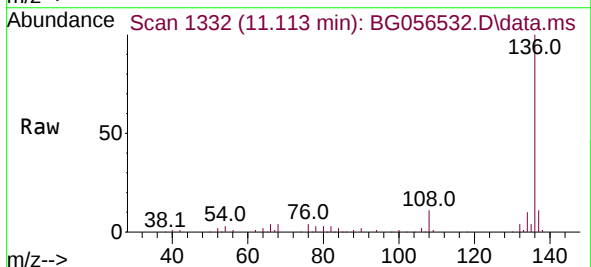
Tgt Ion: 99 Resp: 3568
Ion Ratio Lower Upper
99 100
42 9.0 6.6 10.0
71 26.9 23.4 35.0

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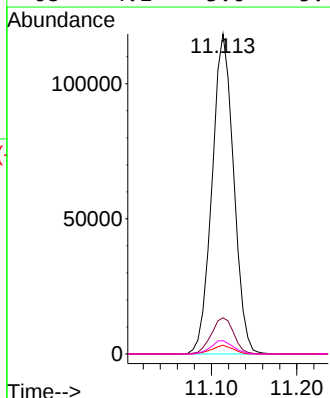
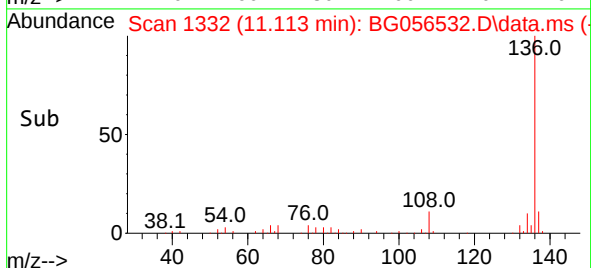
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

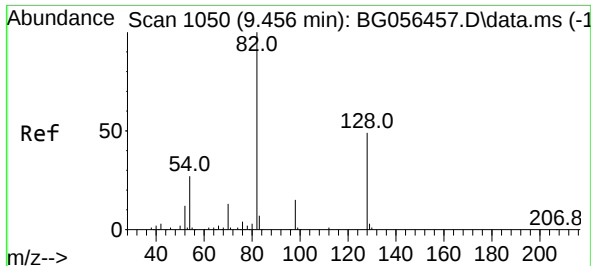


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.113 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03



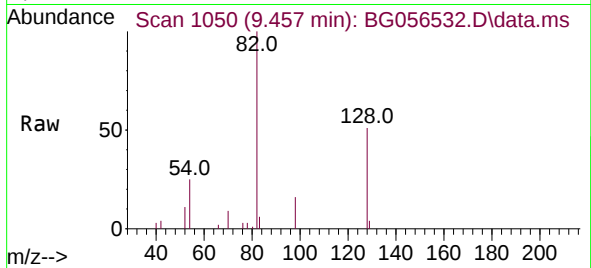
Tgt Ion:136 Resp: 208132
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.0
54 2.7 2.2 3.4
68 4.1 3.6 5.4





#23
Nitrobenzene-d5
Concen: 5.251 ng
RT: 9.457 min Scan# 1050
Delta R.T. 0.000 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

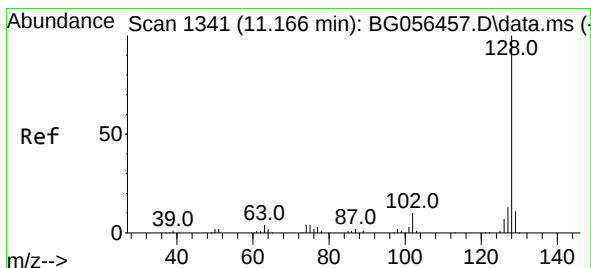
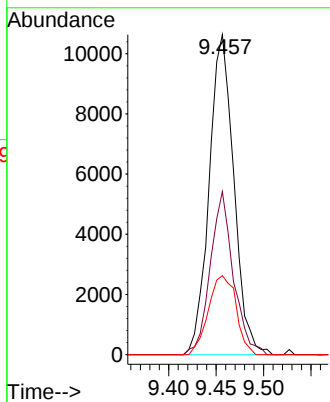
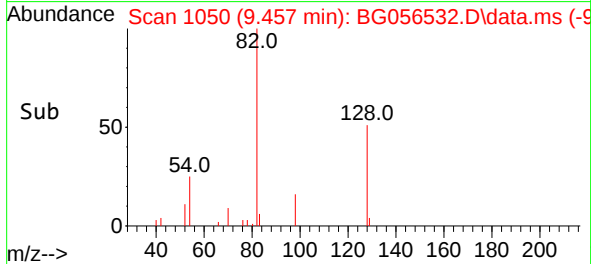
Instrument :
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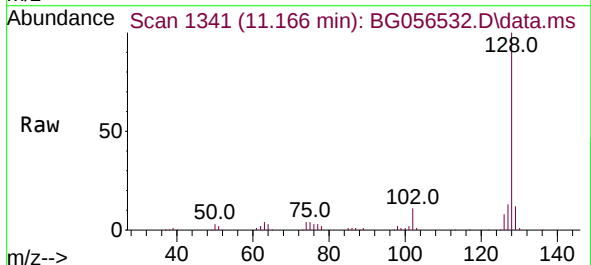
Tgt Ion: 82 Resp: 19245
Ion Ratio Lower Upper
82 100
128 50.9 39.4 59.2
54 24.7 21.4 32.2

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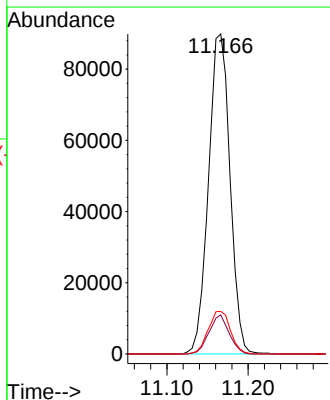
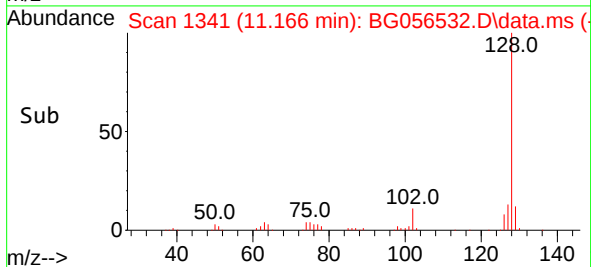
Reviewed By :Christian Giraldo 02/03/2023
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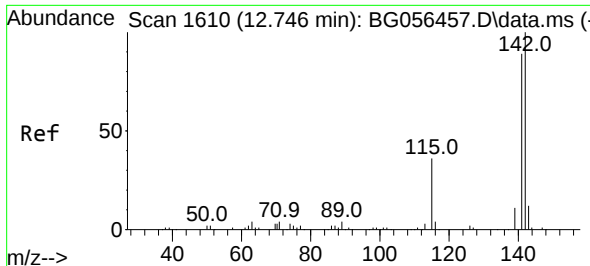


#31
Naphthalene
Concen: 15.055 ng
RT: 11.166 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03



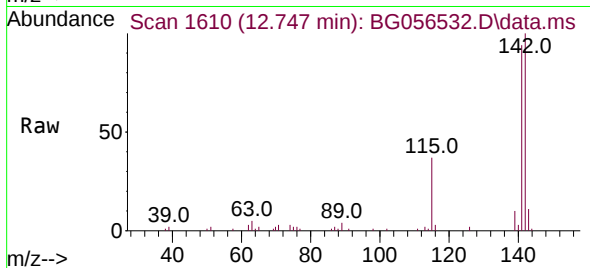
Tgt Ion:128 Resp: 165382
Ion Ratio Lower Upper
128 100
129 12.2 8.7 13.1
127 13.3 10.4 15.6





#37
2-Methylnaphthalene
Concen: 3.543 ng
RT: 12.747 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

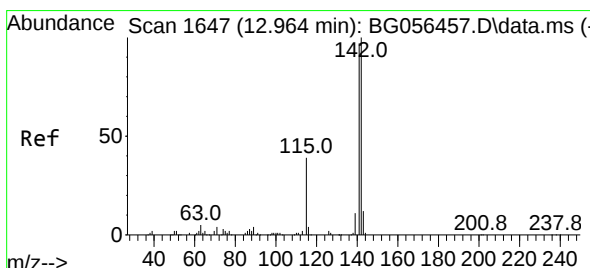
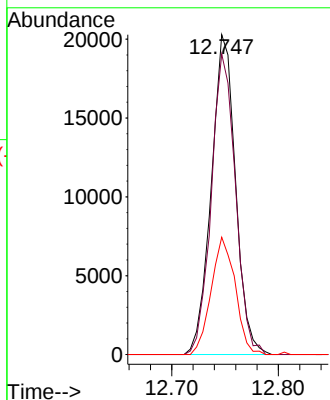
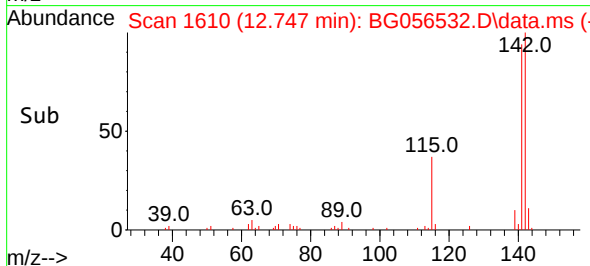
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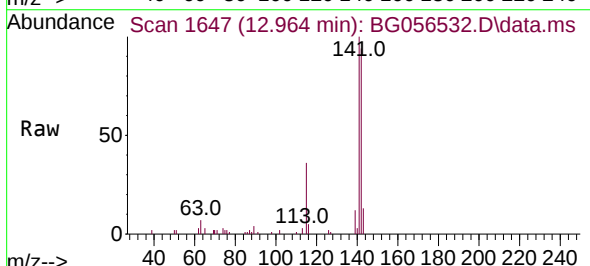
Tgt Ion:142 Resp: 32084
Ion Ratio Lower Upper
142 100
141 93.9 71.4 107.0
115 36.7 28.4 42.6

Manual Integrations
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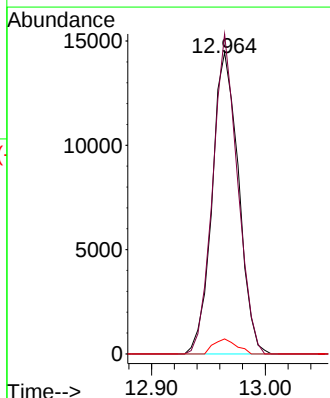
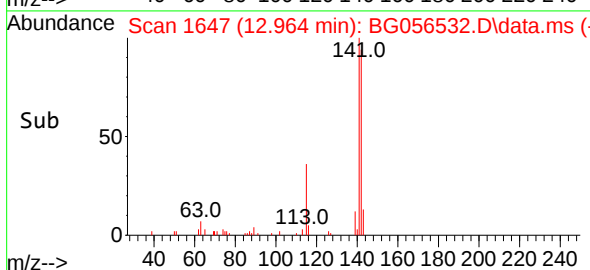
Reviewed By :Christian Giraldo 02/03/2023
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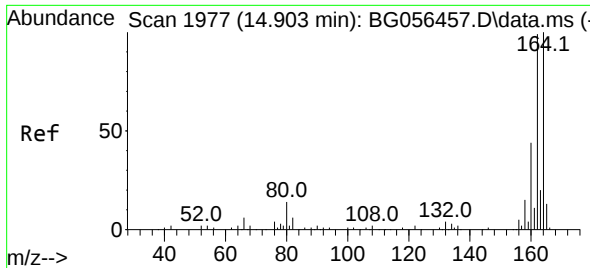


#38
1-Methylnaphthalene
Concen: 2.748 ng
RT: 12.964 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03



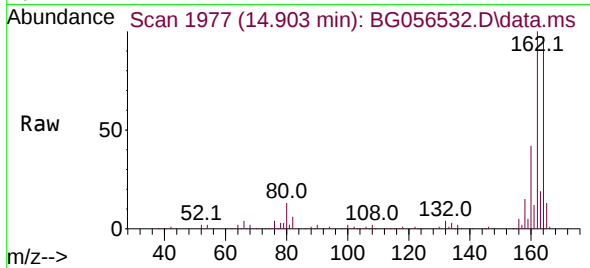
Tgt Ion:142 Resp: 23244
Ion Ratio Lower Upper
142 100
141 106.1 77.7 116.5
116 4.9 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.903 min Scan# 1977
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

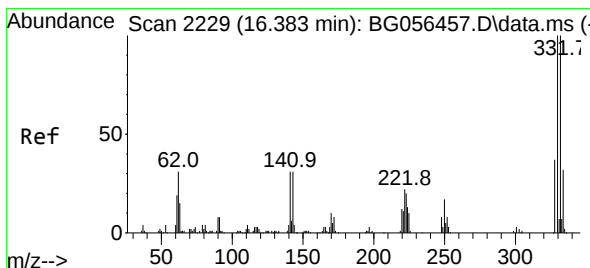
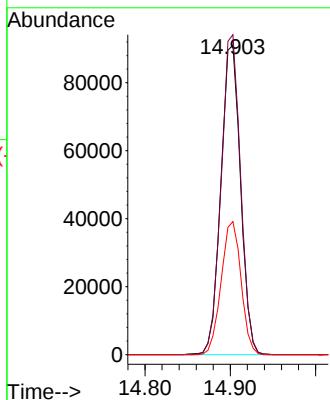
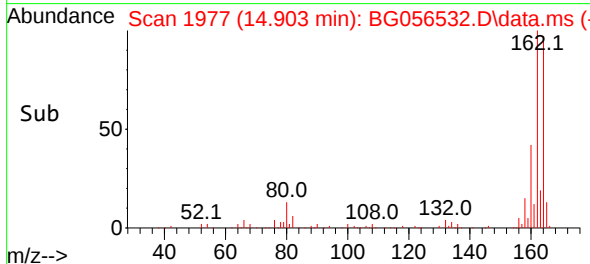
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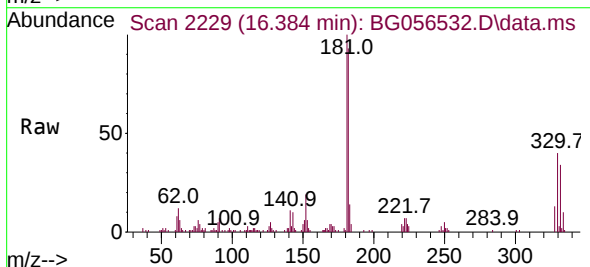
Tgt Ion:164 Resp: 145640
Ion Ratio Lower Upper
164 100
162 103.4 79.6 119.4
160 43.0 34.9 52.3

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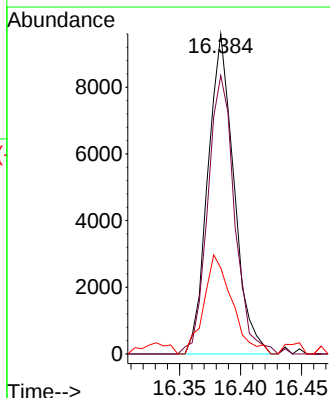
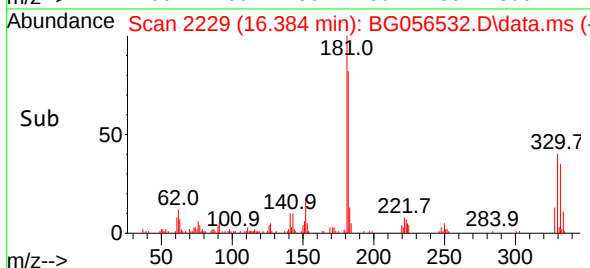
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Supervised By :Jagrut Upadhyay 02/03/2023

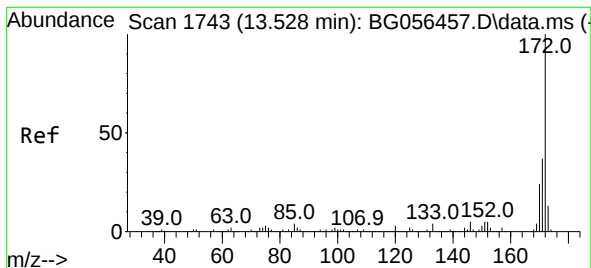


#42
2,4,6-Tribromophenol
Concen: 7.388 ng
RT: 16.384 min Scan# 2229
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03



Tgt Ion:330 Resp: 14305
Ion Ratio Lower Upper
330 100
332 89.7 79.0 118.6
141 33.3 24.2 36.4





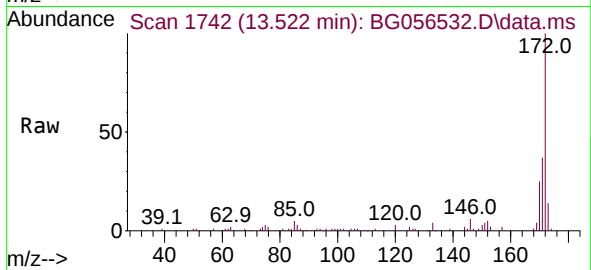
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2-Fluorobiphenyl
Concen: 5.576 ng
RT: 13.522 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

Instrument :

BNA_G

ClientSampleId :

JPP-6-013123

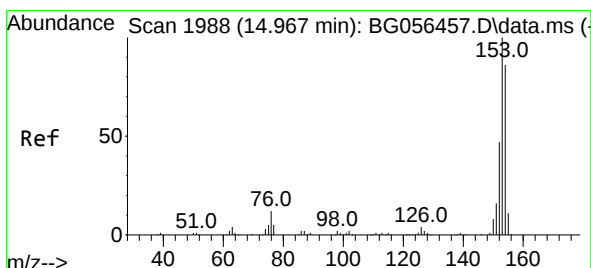
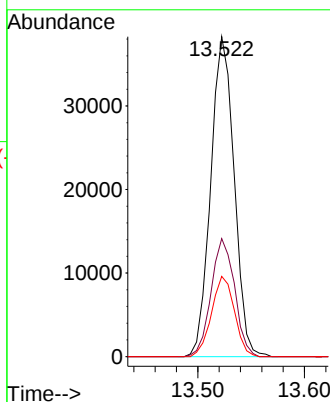
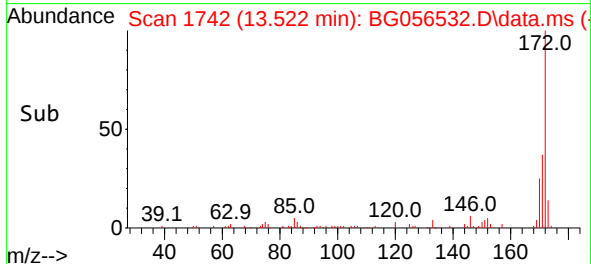


Tgt Ion:172 Resp: 58576
Ion Ratio Lower Upper
172 100
171 36.9 29.5 44.3
170 25.1 19.2 28.8

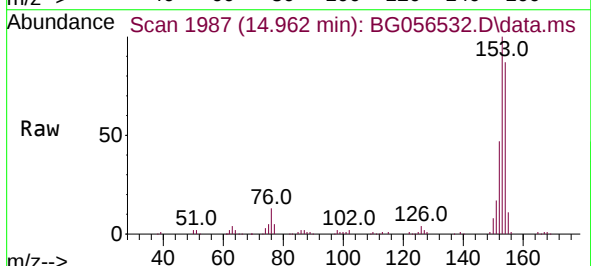
Manual Integrations

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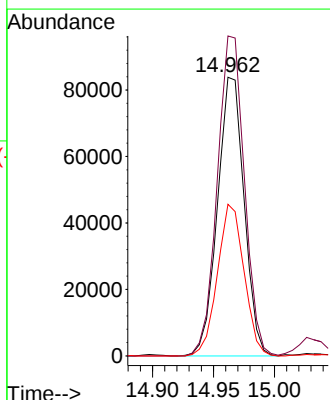
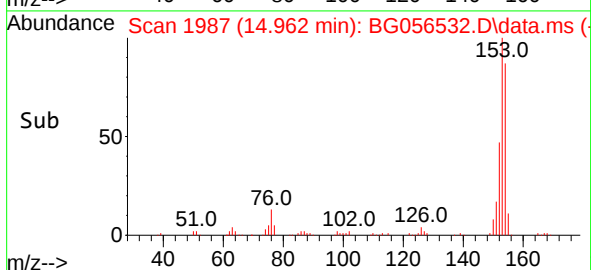
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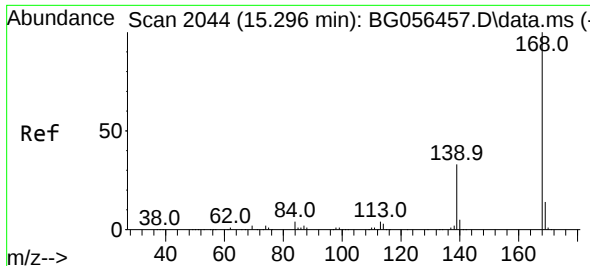


#52
Acenaphthene
Concen: 16.019 ng
RT: 14.962 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03



Tgt Ion:154 Resp: 127613
Ion Ratio Lower Upper
154 100
153 114.8 93.4 140.0
152 54.4 43.4 65.2





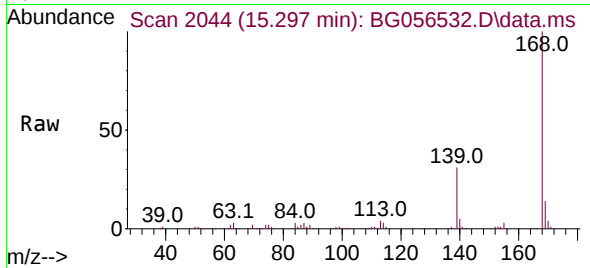
#55
Dibenzenofuran
Concen: 8.865 ng
RT: 15.297 min Scan# 2044
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

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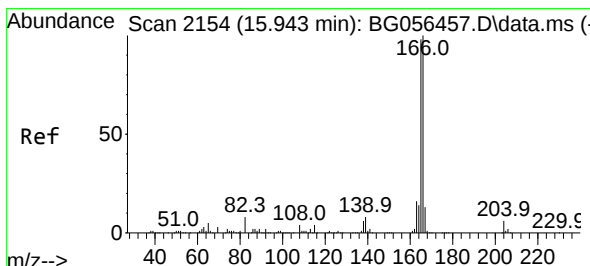
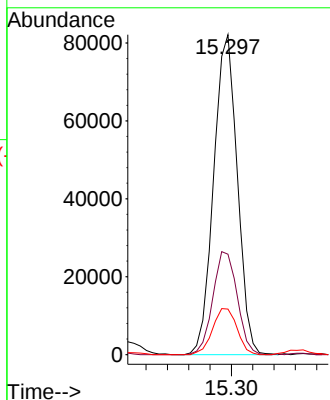
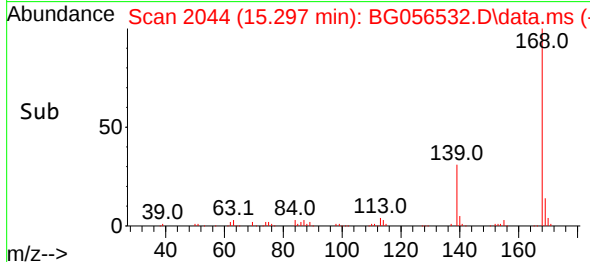


Tgt Ion:168 Resp: 126653
Ion Ratio Lower Upper
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139 31.4 26.2 39.2
169 14.2 11.0 16.6

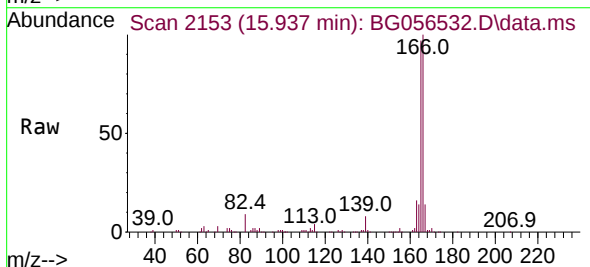
Manual Integrations

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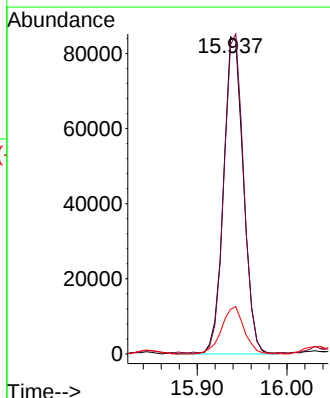
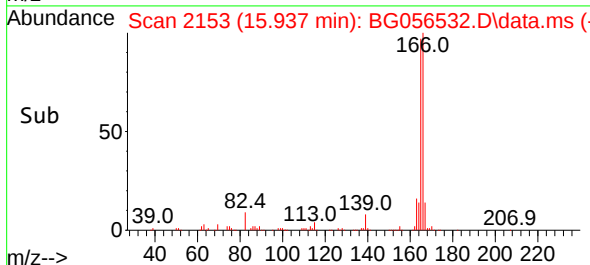
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

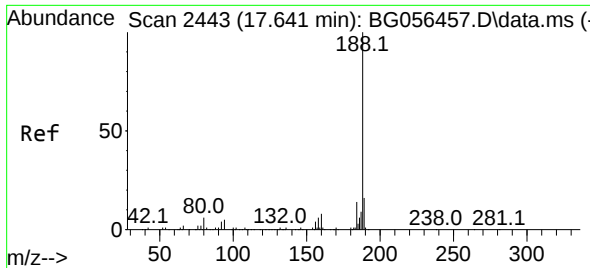


#58
Fluorene
Concen: 11.451 ng
RT: 15.937 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03



Tgt Ion:166 Resp: 130175
Ion Ratio Lower Upper
166 100
165 97.4 78.8 118.2
167 14.1 10.6 15.8





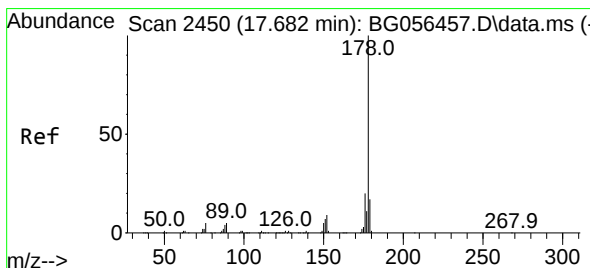
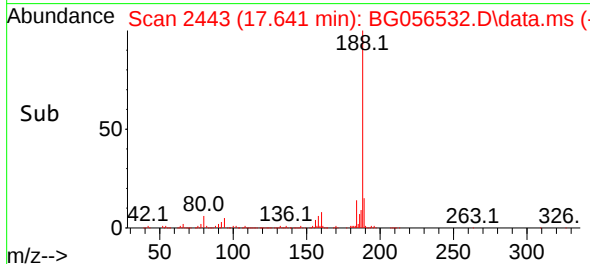
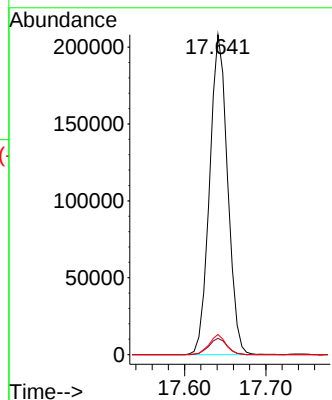
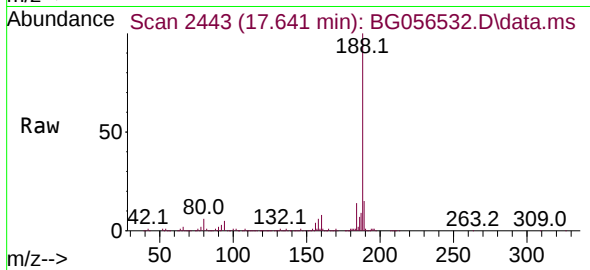
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.641 min Scan# 2443
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

Instrument :
BNA_G
ClientSampleId :
JPP-6-013123

Tgt Ion:188 Resp: 320049
Ion Ratio Lower Upper
188 100
94 5.1 4.1 6.1
80 6.3 5.0 7.4

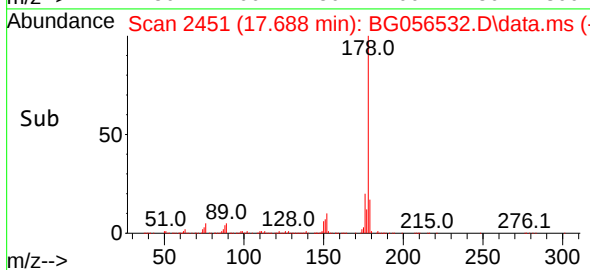
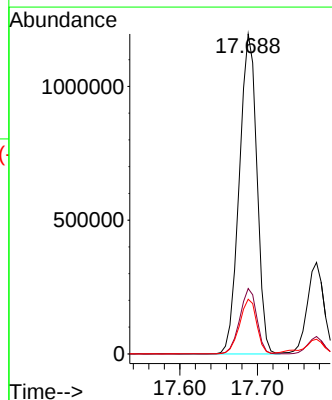
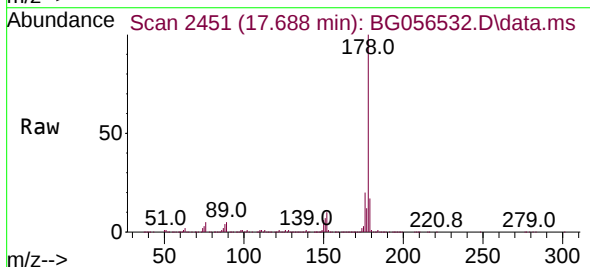
Manual Integrations
APPROVED

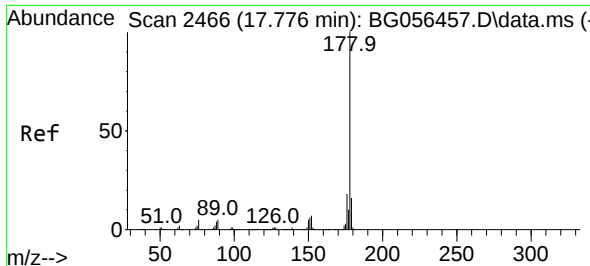
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#71
Phenanthrene
Concen: 112.617 ng
RT: 17.688 min Scan# 2451
Delta R.T. 0.012 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

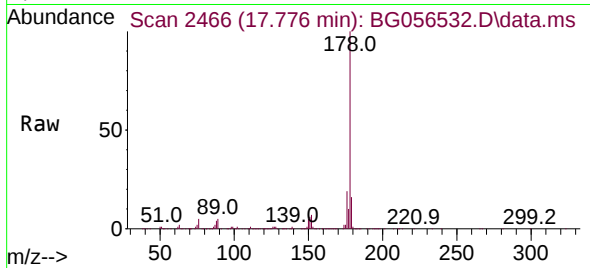
Tgt Ion:178 Resp: 1886431
Ion Ratio Lower Upper
178 100
176 20.4 15.6 23.4
179 17.1 13.3 19.9





#72
 Anthracene
 Concen: 29.059 ng
 RT: 17.776 min Scan# 2466
 Delta R.T. 0.006 min
 Lab File: BG056532.D
 Acq: 3 Feb 2023 3:03

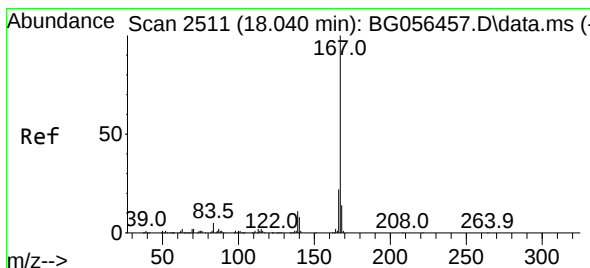
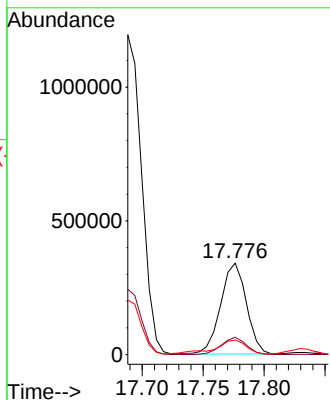
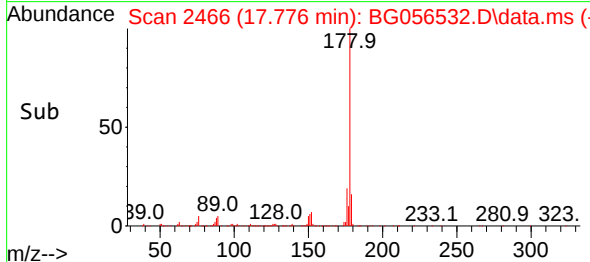
Instrument :
 BNA_G
 ClientSampleId :
 JPP-6-013123



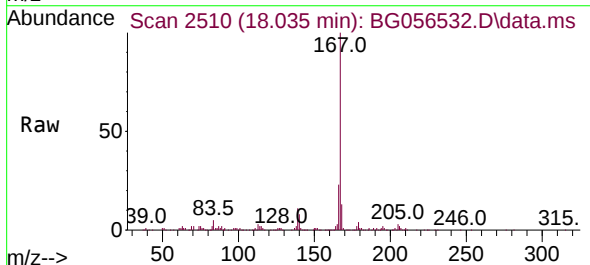
Tgt Ion:178 Resp: 499671
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.5 21.7
 179 16.0 12.5 18.7

Manual Integrations
 APPROVED

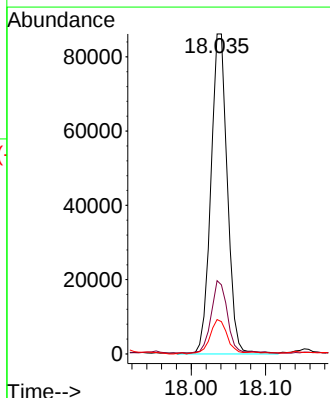
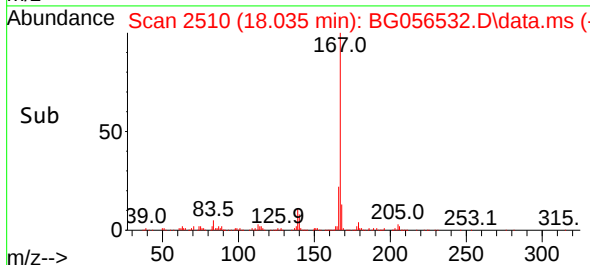
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023

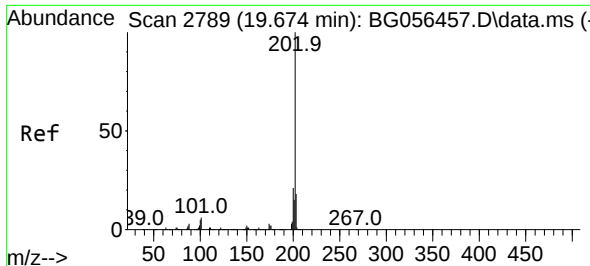


#73
 Carbazole
 Concen: 9.073 ng
 RT: 18.035 min Scan# 2510
 Delta R.T. 0.000 min
 Lab File: BG056532.D
 Acq: 3 Feb 2023 3:03



Tgt Ion:167 Resp: 132879
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.8 26.6
 139 10.7 8.9 13.3





#75
Fluoranthene
Concen: 138.763 ng
RT: 19.686 min Scan# 2791
Delta R.T. 0.018 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

Instrument :

BNA_G

ClientSampleId :

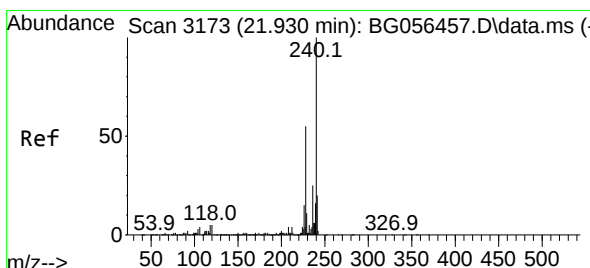
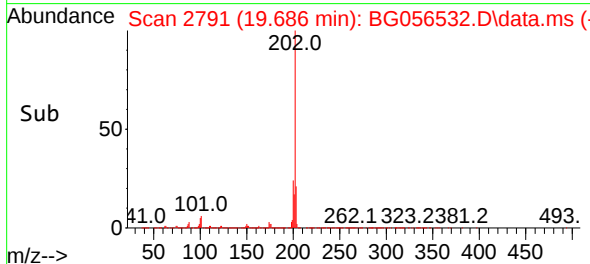
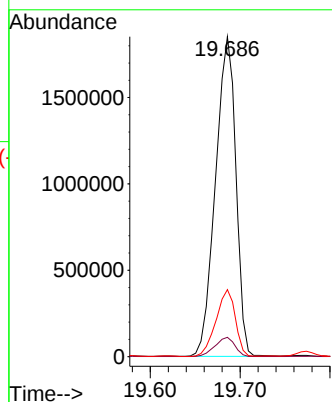
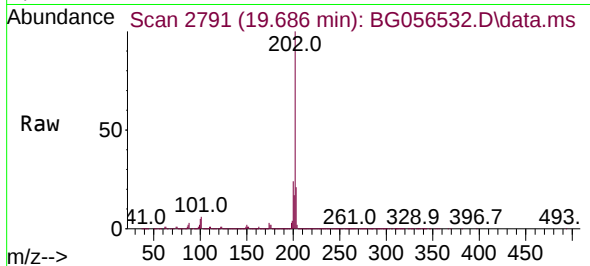
JPP-6-013123

Tgt Ion:202 Resp: 2933646
Ion Ratio Lower Upper
202 100
101 6.0 0.0 25.6
203 20.9 0.0 38.1

Manual Integrations

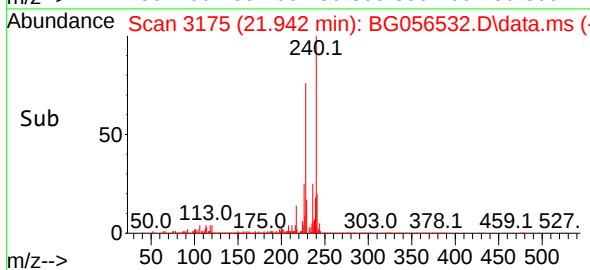
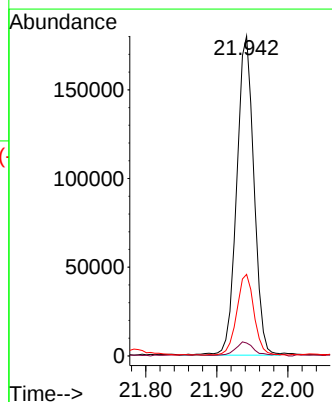
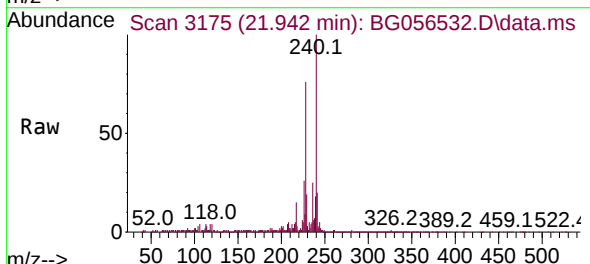
APPROVED

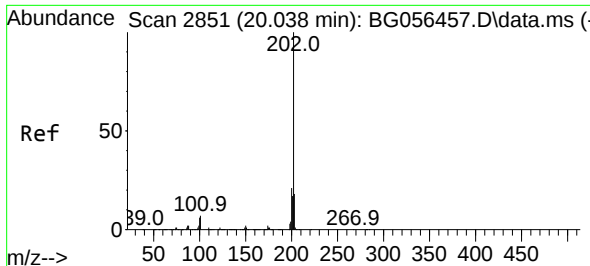
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.942 min Scan# 3175
Delta R.T. 0.018 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

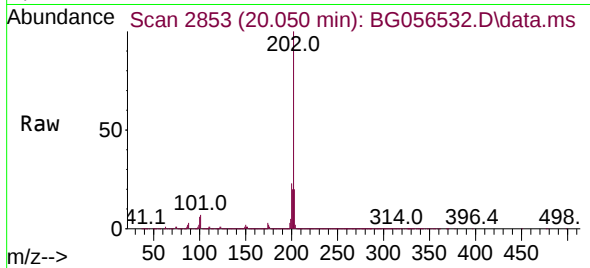
Tgt Ion:240 Resp: 301250
Ion Ratio Lower Upper
240 100
120 4.0 3.8 5.8
236 25.5 20.2 30.2





#78
Pyrene
Concen: 122.619 ng
RT: 20.050 min Scan# 2853
Delta R.T. 0.018 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

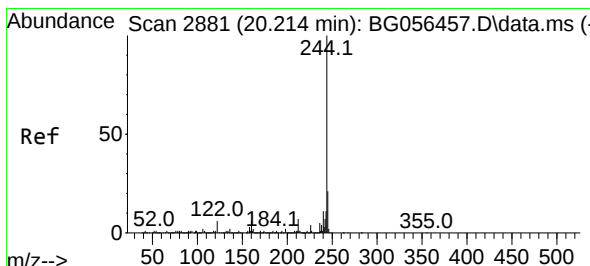
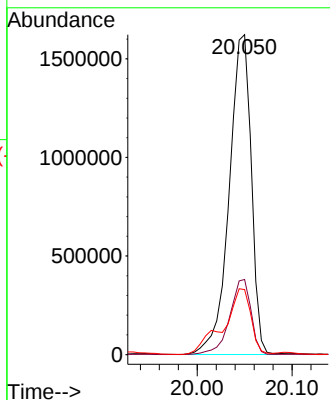
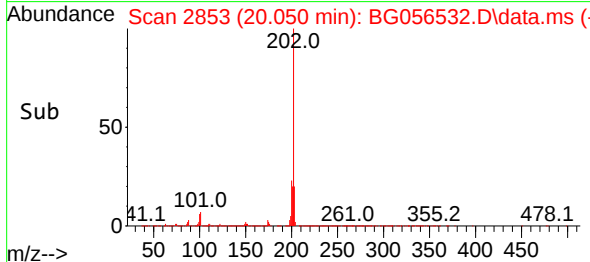
Instrument :
BNA_G
ClientSampleId :
JPP-6-013123



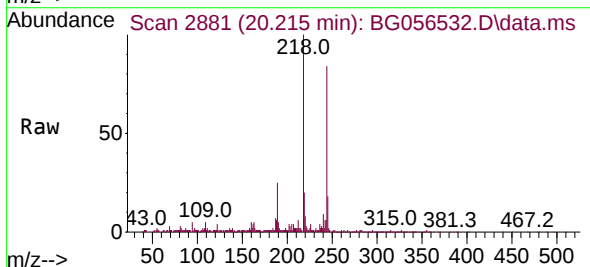
Tgt Ion:202 Resp: 262717
Ion Ratio Lower Upper
202 100
200 23.5 16.7 25.1
203 20.3 14.4 21.6

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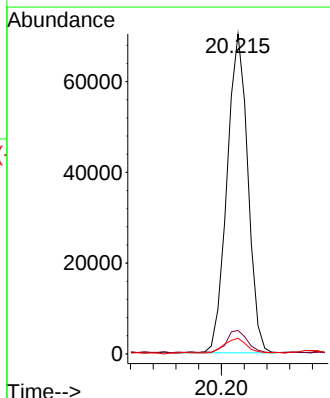
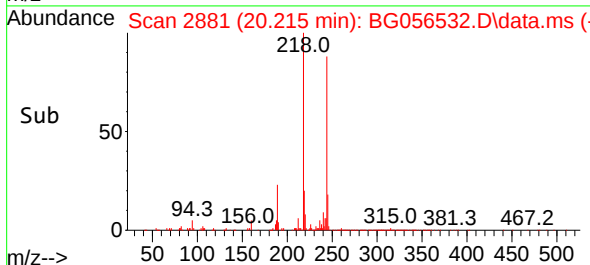
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

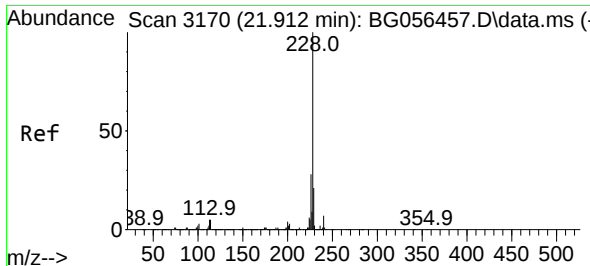


#79
Terphenyl-d14
Concen: 5.214 ng
RT: 20.215 min Scan# 2881
Delta R.T. 0.006 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03



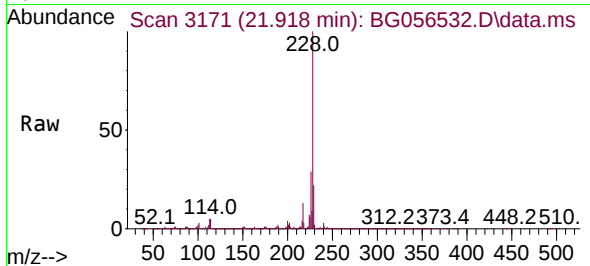
Tgt Ion:244 Resp: 89433
Ion Ratio Lower Upper
244 100
212 7.3 5.5 8.3
122 4.9 4.4 6.6





#81
Benzo(a)anthracene
Concen: 71.845 ng
RT: 21.918 min Scan# 3170
Delta R.T. 0.018 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

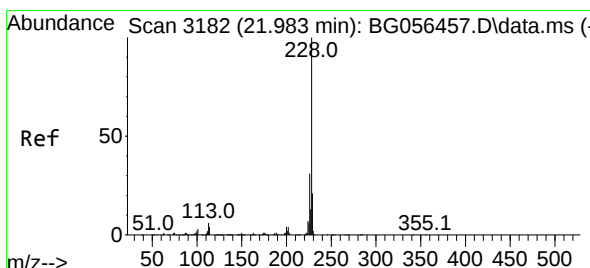
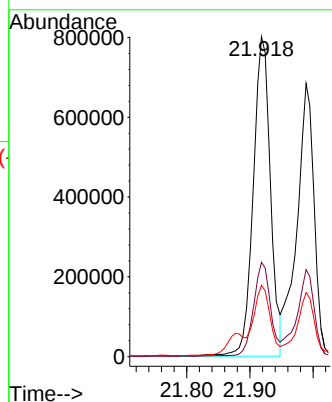
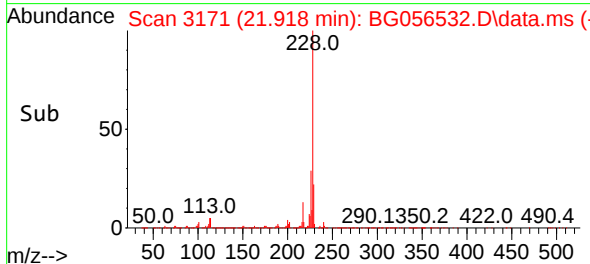
Instrument :
BNA_G
ClientSampleId :
JPP-6-013123



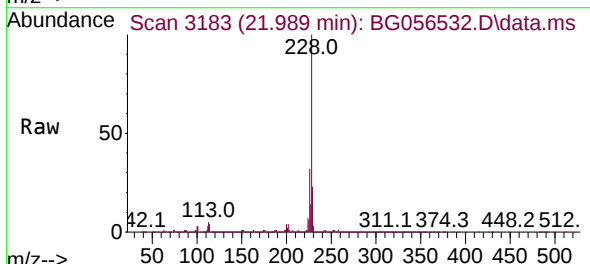
Tgt Ion:228 Resp: 1513104
Ion Ratio Lower Upper
228 100
226 29.5 22.4 33.6
229 22.3 16.5 24.7

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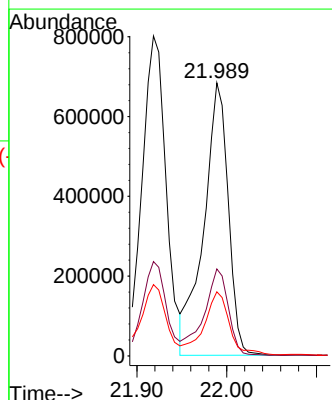
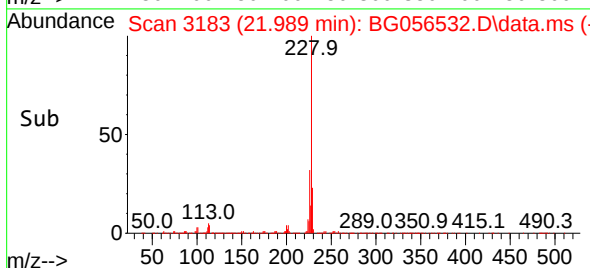
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

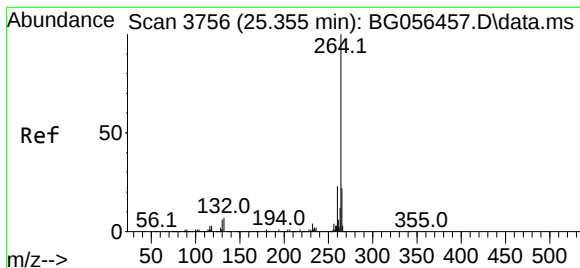


#83
Chrysene
Concen: 65.513 ng
RT: 21.989 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03



Tgt Ion:228 Resp: 1296250
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.4
229 23.5 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.379 min Scan# 31

Delta R.T. 0.035 min

Lab File: BG056532.D

Acq: 3 Feb 2023 3:03

Instrument :

BNA_G

ClientSampleId :

JPP-6-013123

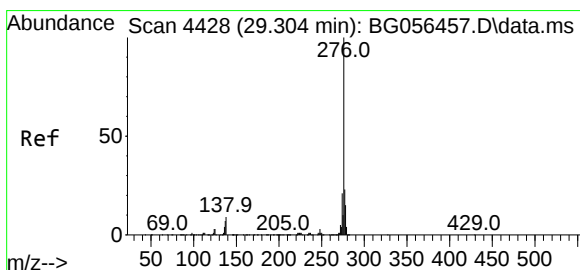
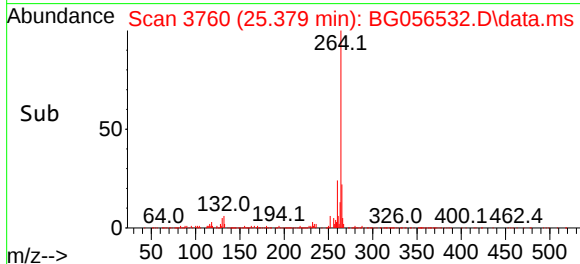
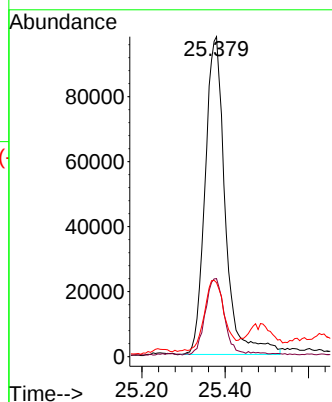
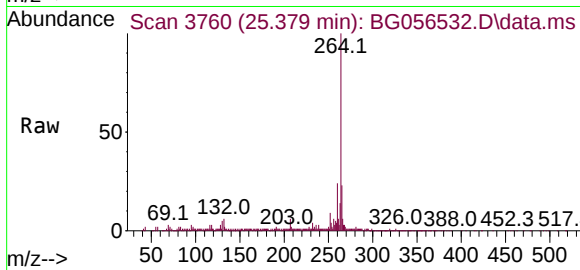
Tgt Ion:	264	Resp:	32706
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.2	27.4
265	23.1	18.1	27.1

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 27.257 ng

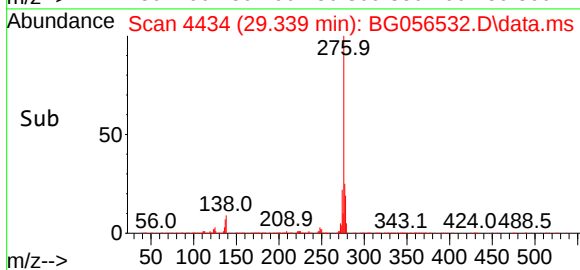
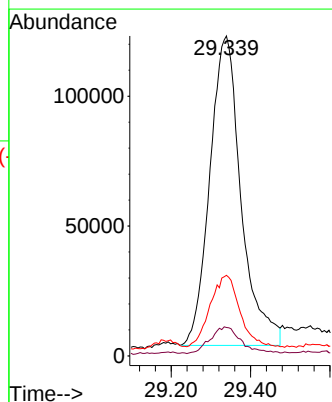
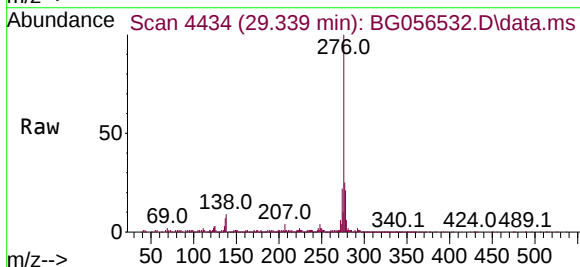
RT: 29.339 min Scan# 4434

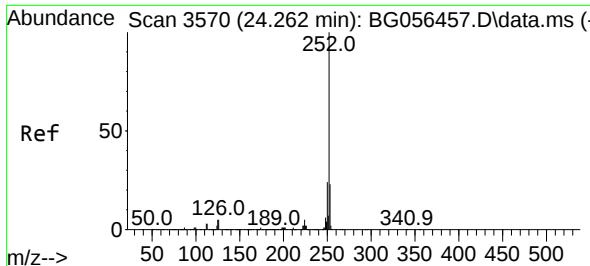
Delta R.T. 0.059 min

Lab File: BG056532.D

Acq: 3 Feb 2023 3:03

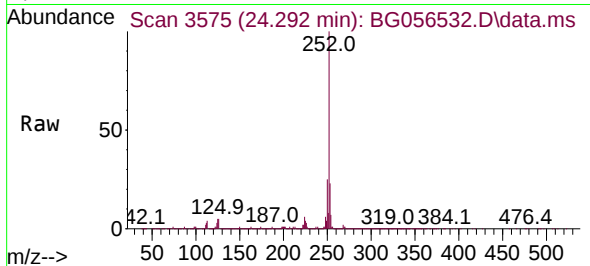
Tgt Ion:	276	Resp:	652578
Ion Ratio	Lower	Upper	
276	100		
138	8.5	9.4	14.2
277	22.6	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 91.503 ng
RT: 24.292 min Scan# 3575
Delta R.T. 0.041 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

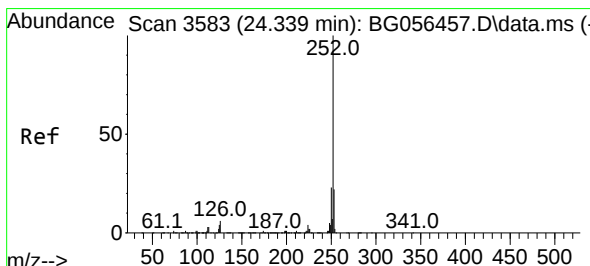
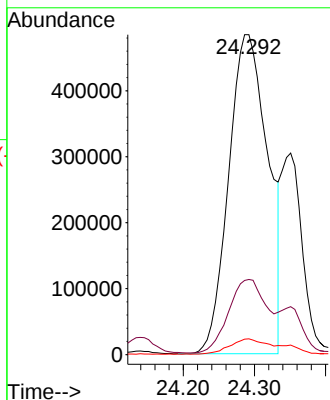
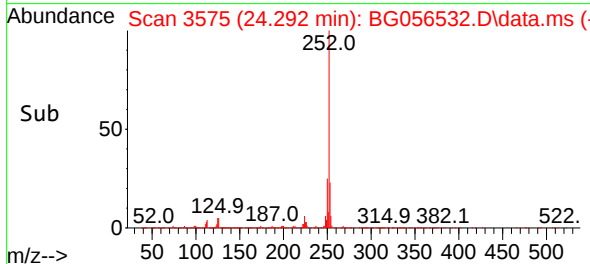
Instrument :
BNA_G
ClientSampleId :
JPP-6-013123



Tgt Ion:252 Resp: 1857558
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 4.9 3.9 5.9

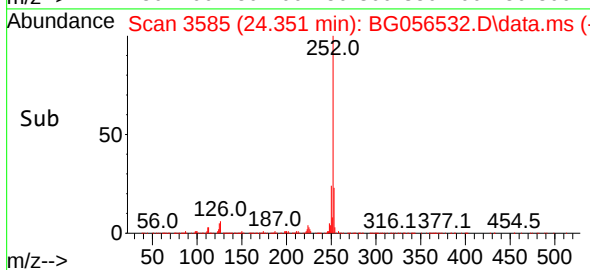
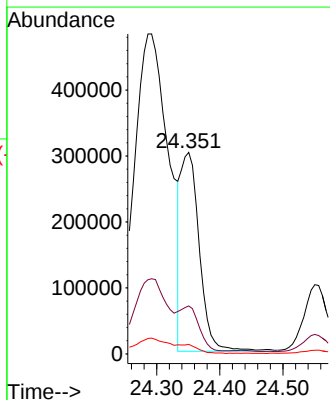
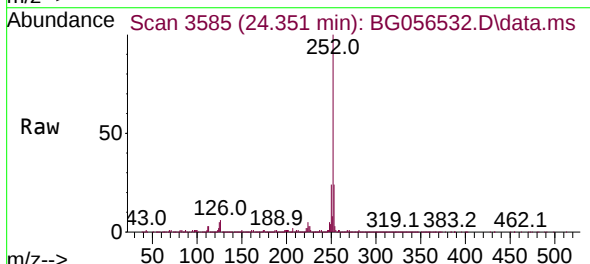
Manual Integrations
APPROVED

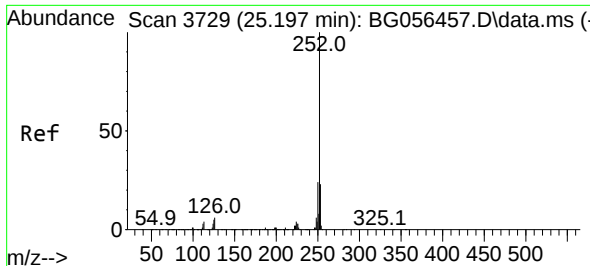
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#89
Benzo(k)fluoranthene
Concen: 30.168 ng m
RT: 24.351 min Scan# 3585
Delta R.T. 0.030 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

Tgt Ion:252 Resp: 618317
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 4.7 3.4 5.0





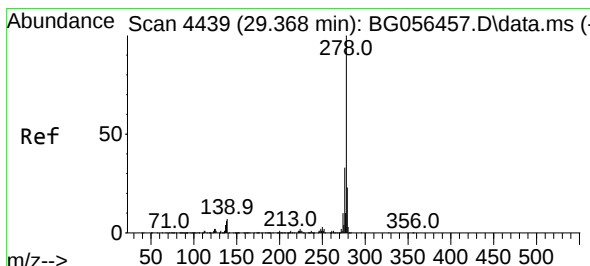
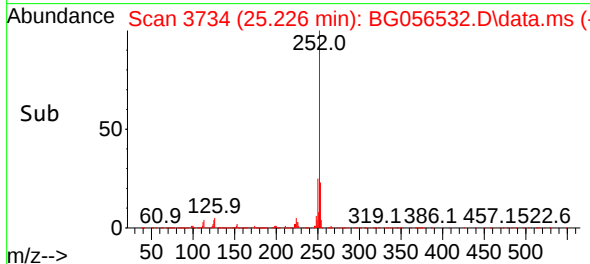
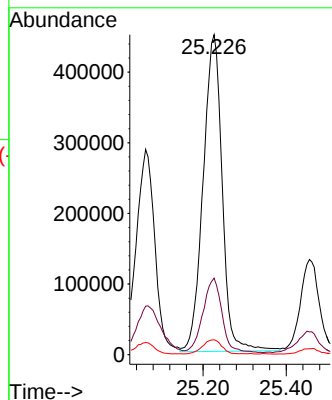
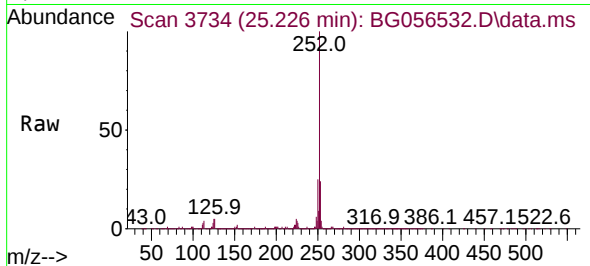
#90
Benzo(a)pyrene
Concen: 71.305 ng
RT: 25.226 min Scan# 31
Delta R.T. 0.041 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

Instrument :
BNA_G
ClientSampleId :
JPP-6-013123

Tgt Ion:252 Resp: 1425880
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 4.6 4.1 6.1

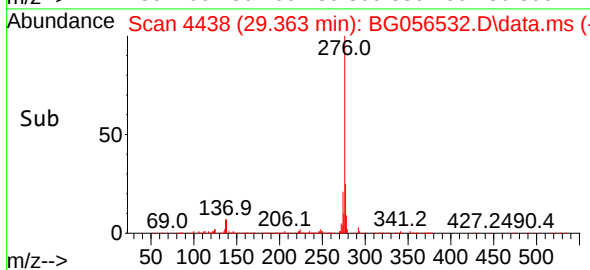
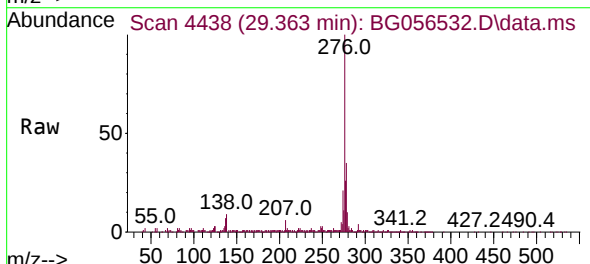
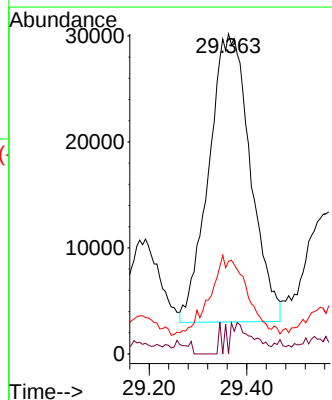
Manual Integrations
APPROVED

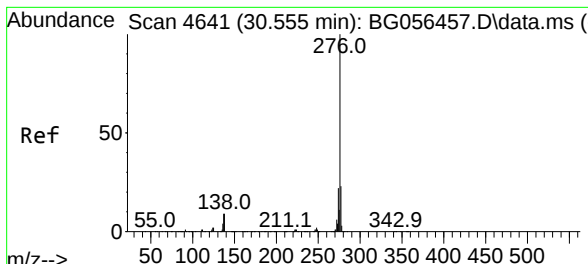
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#91
Dibenzo(a,h)anthracene
Concen: 8.011 ng
RT: 29.363 min Scan# 4438
Delta R.T. 0.018 min
Lab File: BG056532.D
Acq: 3 Feb 2023 3:03

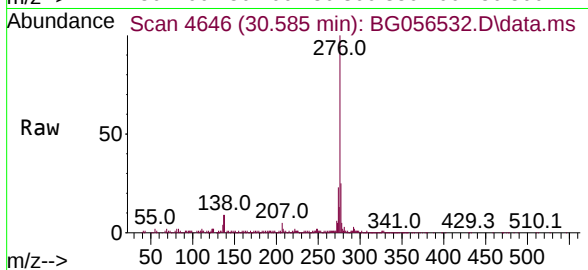
Tgt Ion:278 Resp: 160985
Ion Ratio Lower Upper
278 100
139 0.0 5.5 8.3#
279 28.9 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 30.181 ng
 RT: 30.585 min Scan# 4641
 Delta R.T. 0.059 min
 Lab File: BG056532.D
 Acq: 3 Feb 2023 3:03

Instrument :
 BNA_G
 ClientSampleId :
 JPP-6-013123



Tgt Ion: 276 Resp: 585230

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.5	27.7
138	8.6	7.4	11.0

Manual Integrations
 APPROVED

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

