

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011823\
 Data File : BG056345.D
 Acq On : 19 Jan 2023 2:20
 Operator : CG/JU
 Sample : 01178-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-5-011723

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/19/2023
 Supervised By : Jagrut Upadhyay 01/19/2023

Quant Time: Jan 19 03:48:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.309	152	48009	20.000	ng	0.00
21) Naphthalene-d8	11.141	136	178139	20.000	ng	0.00
39) Acenaphthene-d10	14.919	164	123990	20.000	ng	0.00
64) Phenanthrene-d10	17.657	188	274969	20.000	ng	0.00
76) Chrysene-d12	21.952	240	255675	20.000	ng	0.00
86) Perylene-d12	25.401	264	253662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.829	112	184089	68.464	ng	0.00
7) Phenol-d6	7.451	99	264792	64.125	ng	0.00
23) Nitrobenzene-d5	9.484	82	145350	41.736	ng	0.00
42) 2,4,6-Tribromophenol	16.399	330	94752	60.340	ng	0.00
45) 2-Fluorobiphenyl	13.544	172	437846	48.764	ng	0.00
79) Terphenyl-d14	20.230	244	648614	45.437	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.698	178	179666	12.608	ng	98
72) Anthracene	17.792	178	44857	3.052	ng	99
75) Fluoranthene	19.695	202	468039	25.180	ng	100
78) Pyrene	20.054	202	394495	21.891	ng	99
81) Benzo(a)anthracene	21.934	228	239055	13.312	ng	99
83) Chrysene	21.999	228	180142m	10.709	ng	
87) Indeno(1,2,3-cd)pyrene	29.355	276	41636m	2.257	ng	
88) Benzo(b)fluoranthene	24.296	252	209870	13.022	ng	# 94
89) Benzo(k)fluoranthene	24.361	252	71756m	4.471	ng	
90) Benzo(a)pyrene	25.230	252	117998	7.506	ng	# 92
92) Benzo(g,h,i)perylene	30.606	276	34779m	2.319	ng	

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

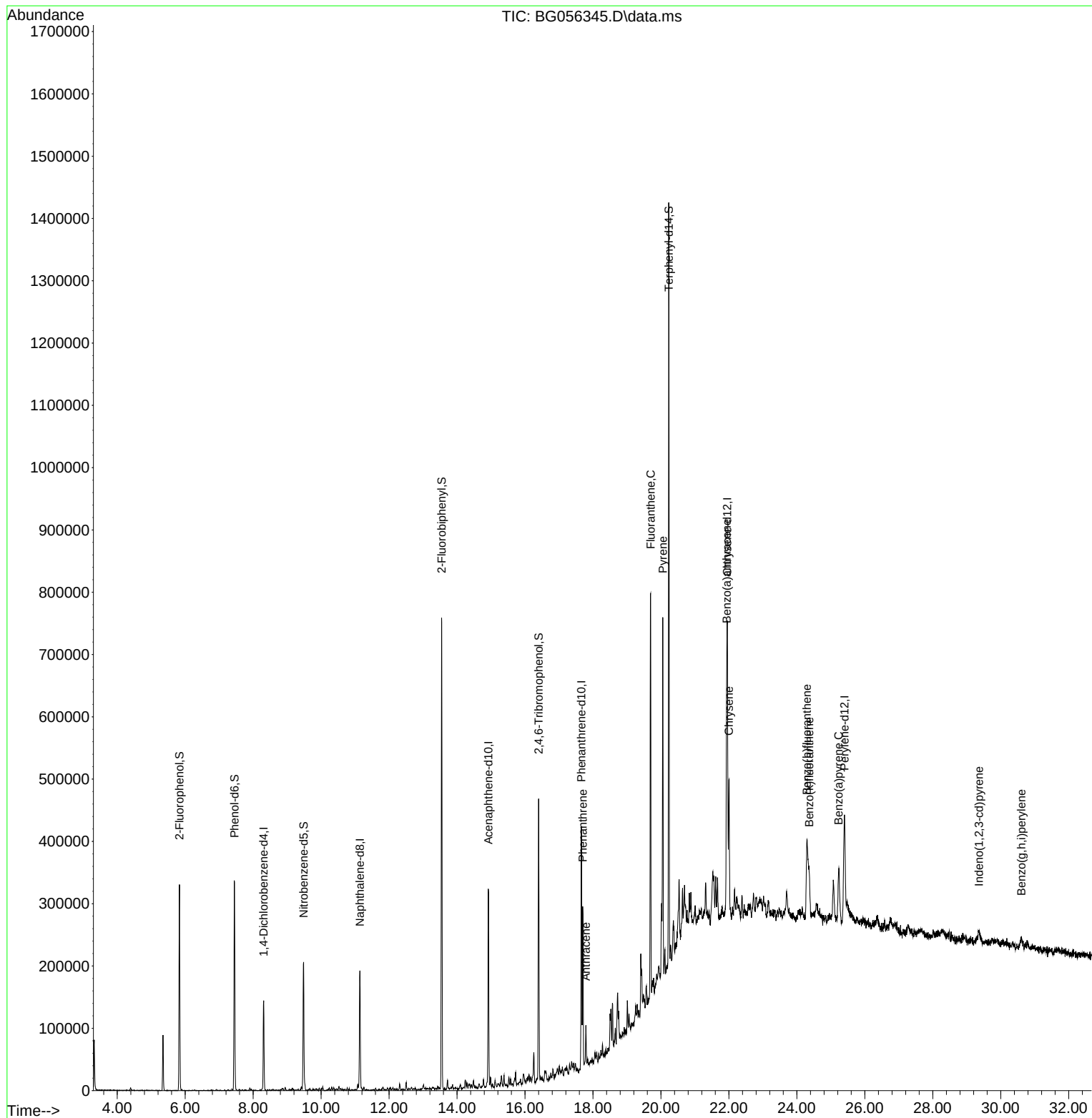
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011823\
Data File : BG056345.D
Acq On : 19 Jan 2023 2:20
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ALS Vial : 17 Sample Multiplier: 1

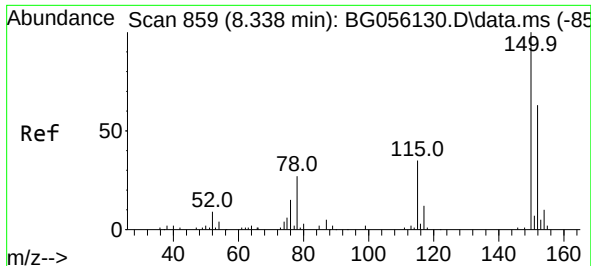
Instrument :
BNA_G
ClientSampleId :
AU-5-011723

Quant Time: Jan 19 03:48:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
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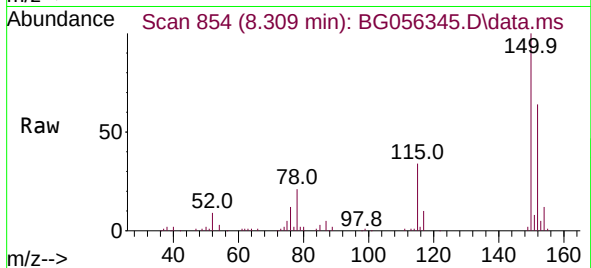
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.309 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Instrument :

BNA_G

ClientSampleId :

AU-5-011723

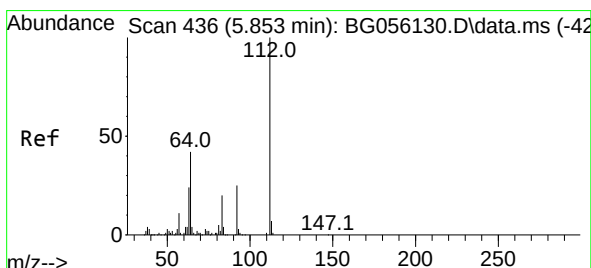
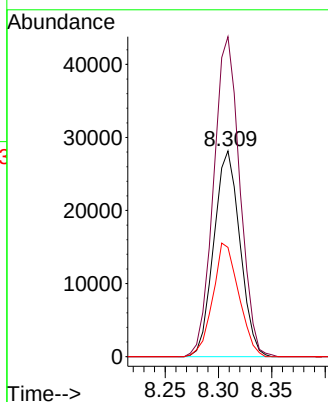
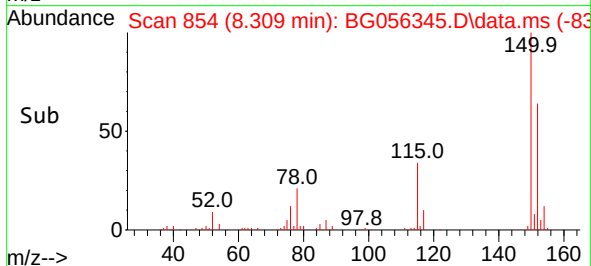


Tgt Ion:152 Resp: 48009
Ion Ratio Lower Upper
152 100
150 155.6 127.9 191.9
115 53.1 44.2 66.2

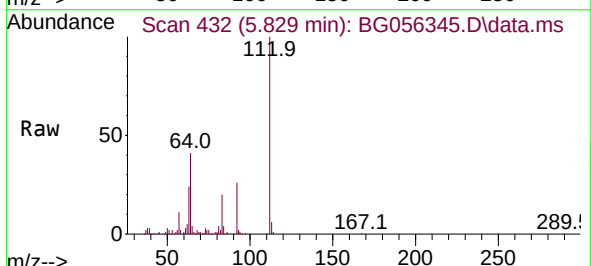
Manual Integrations

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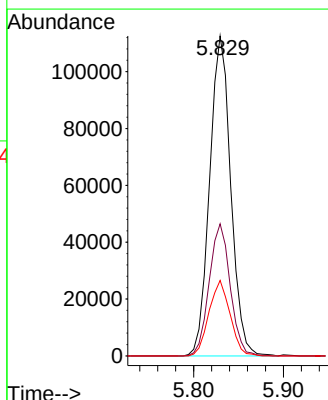
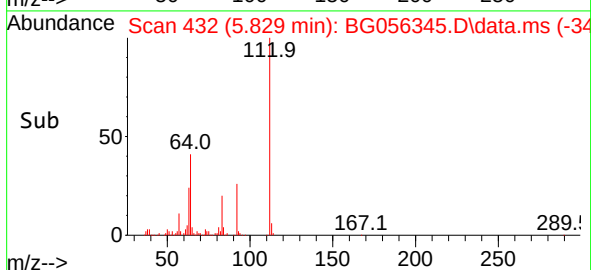
Reviewed By :Christian Giraldo 01/19/2023
Supervised By :Jagrut Upadhyay 01/19/2023

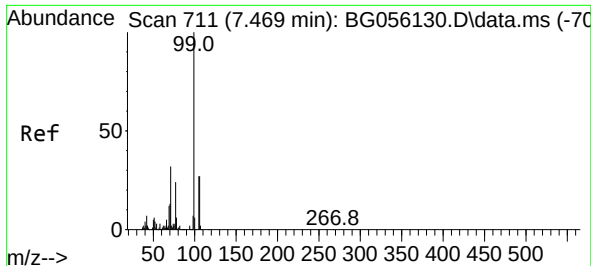


#5
2-Fluorophenol
Concen: 68.464 ng
RT: 5.829 min Scan# 432
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20



Tgt Ion:112 Resp: 184089
Ion Ratio Lower Upper
112 100
64 41.3 33.3 49.9
63 23.6 19.0 28.4





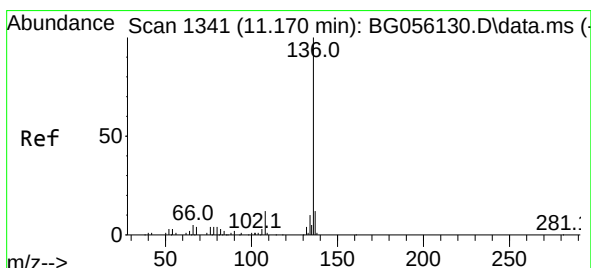
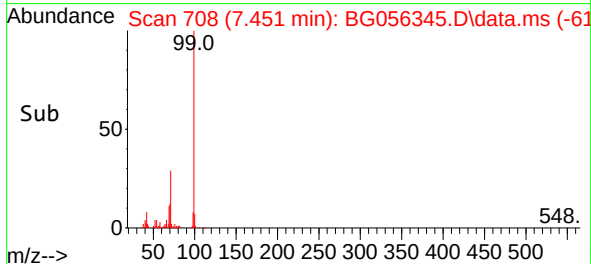
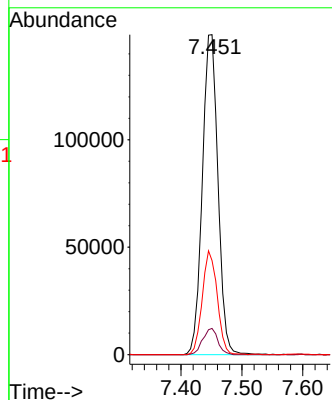
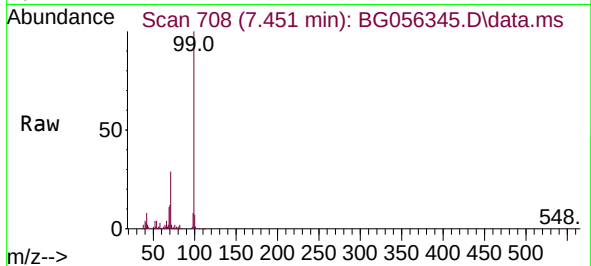
#7
Phenol-d6
Concen: 64.125 ng
RT: 7.451 min Scan# 708
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Instrument :
BNA_G
ClientSampleId :
AU-5-011723

Tgt Ion: 99 Resp: 264792
Ion Ratio Lower Upper
99 100
42 8.2 5.9 8.9
71 29.4 25.4 38.2

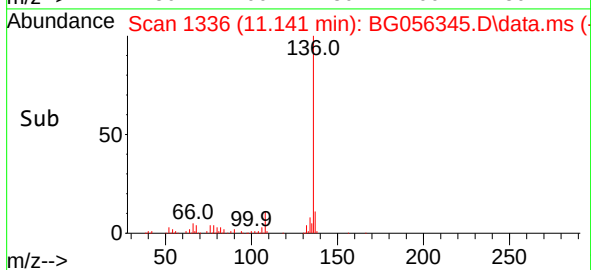
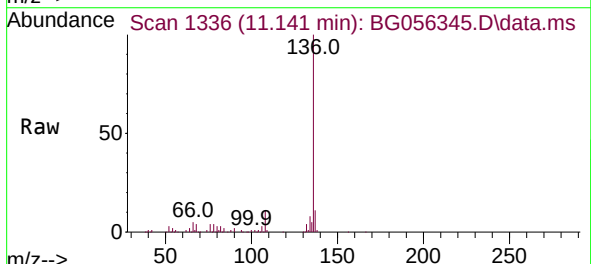
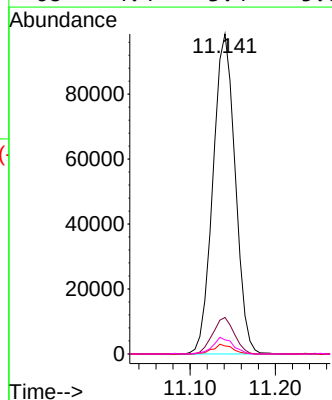
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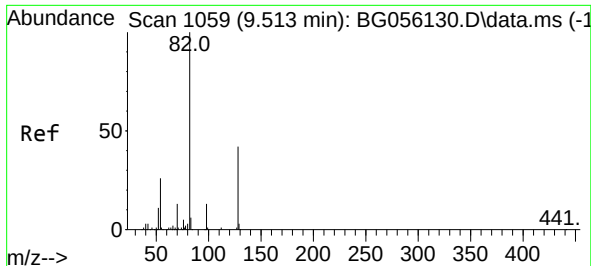
Reviewed By :Christian Giraldo 01/19/2023
Supervised By :Jagrut Upadhyay 01/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.141 min Scan# 1336
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

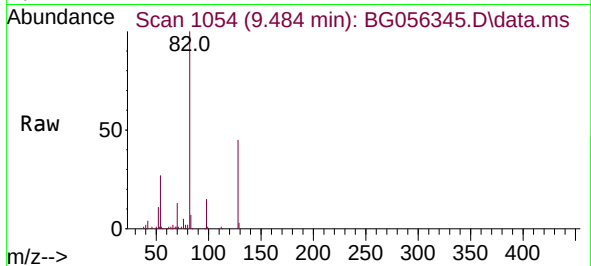
Tgt Ion:136 Resp: 178139
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.0
54 2.5 2.2 3.2
68 4.4 3.4 5.0





#23
Nitrobenzene-d5
Concen: 41.736 ng
RT: 9.484 min Scan# 1059
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

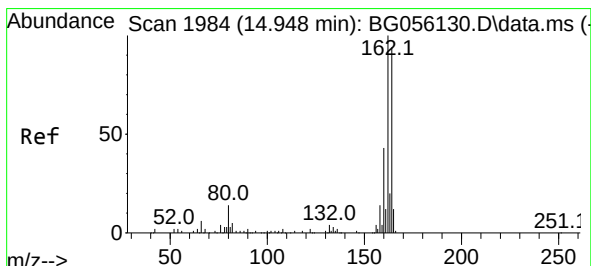
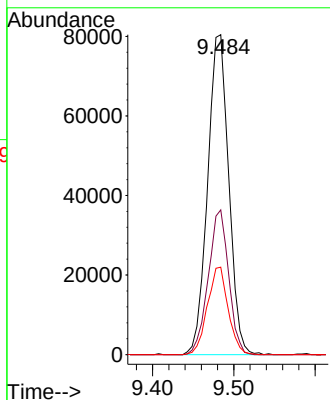
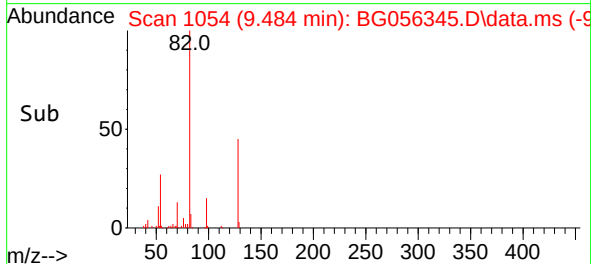
Instrument :
BNA_G
ClientSampleId :
AU-5-011723



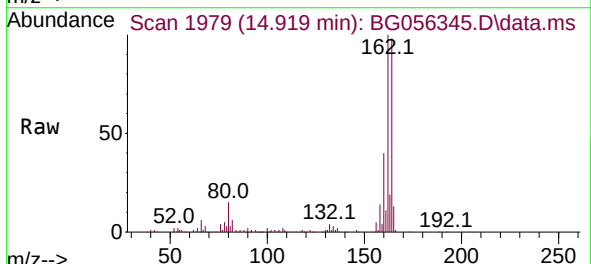
Tgt Ion: 82 Resp: 145350
Ion Ratio Lower Upper
82 100
128 45.2 33.4 50.2
54 27.3 20.3 30.5

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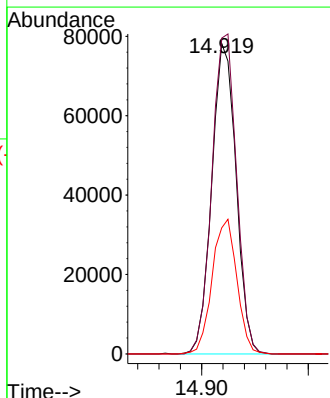
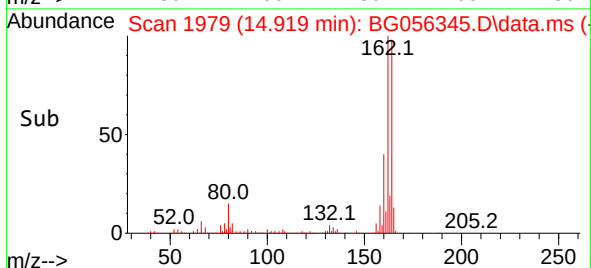
Reviewed By :Christian Giraldo 01/19/2023
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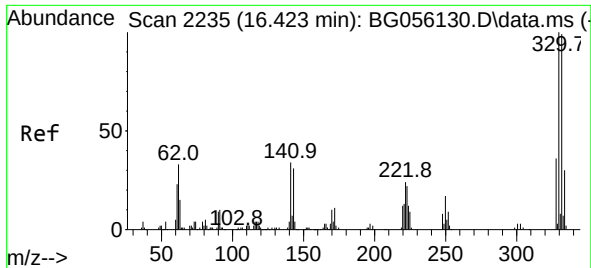


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.919 min Scan# 1979
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20



Tgt Ion:164 Resp: 123990
Ion Ratio Lower Upper
164 100
162 101.7 84.7 127.1
160 40.6 36.3 54.5





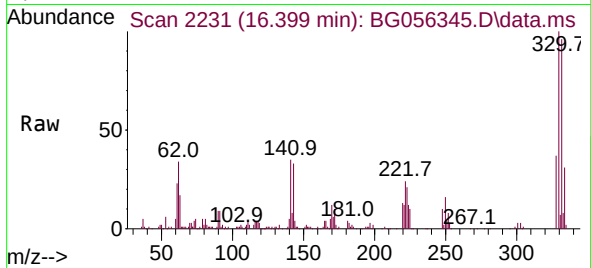
#42
2,4,6-Tribromophenol
Concen: 60.340 ng
RT: 16.399 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Instrument :

BNA_G

ClientSampleId :

AU-5-011723

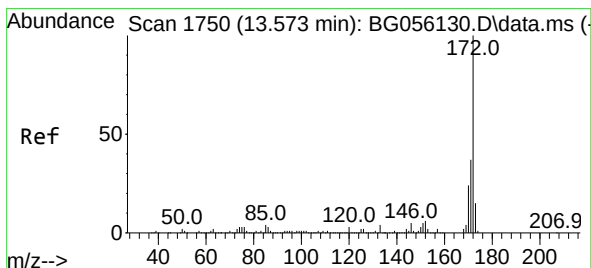
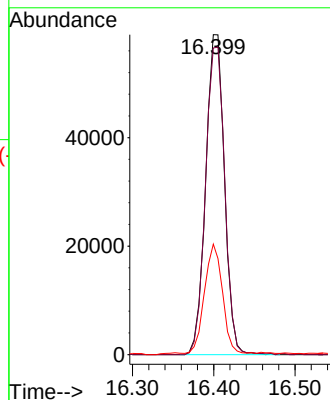
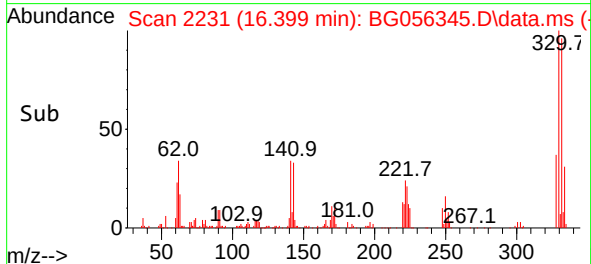


Tgt Ion:330 Resp: 94752
Ion Ratio Lower Upper
330 100
332 98.7 77.3 115.9
141 32.4 27.9 41.9

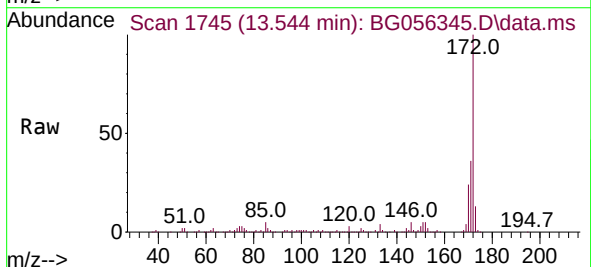
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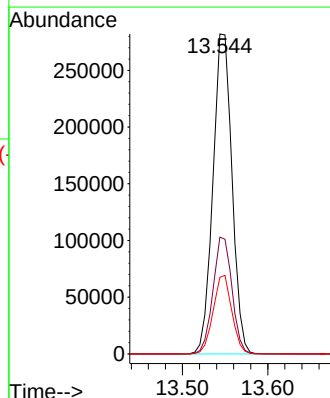
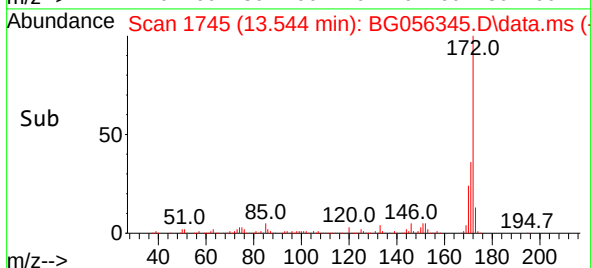
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Supervised By :Jagrut Upadhyay 01/19/2023

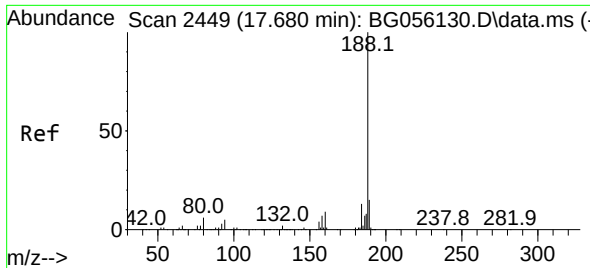


#45
2-Fluorobiphenyl
Concen: 48.764 ng
RT: 13.544 min Scan# 1745
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20



Tgt Ion:172 Resp: 437846
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 23.9 19.4 29.2





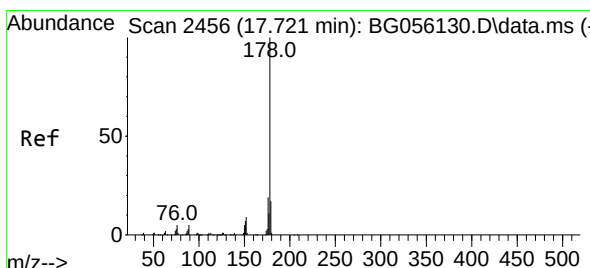
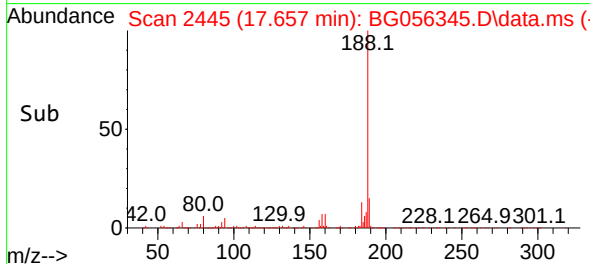
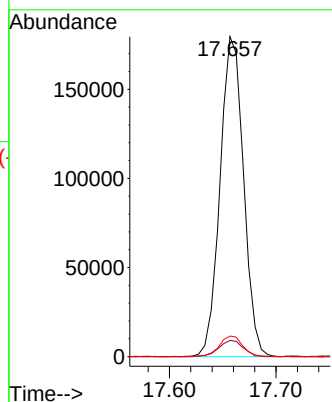
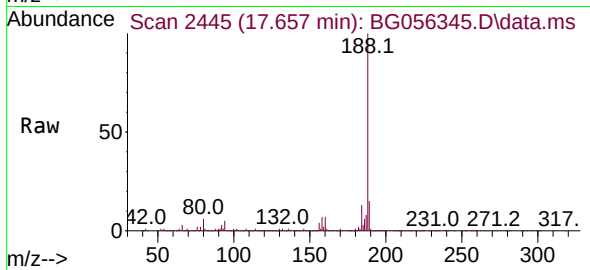
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.657 min Scan# 2445
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

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BNA_G
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AU-5-011723

Tgt Ion:188 Resp: 274969
Ion Ratio Lower Upper
188 100
94 5.0 4.2 6.2
80 6.4 5.0 7.4

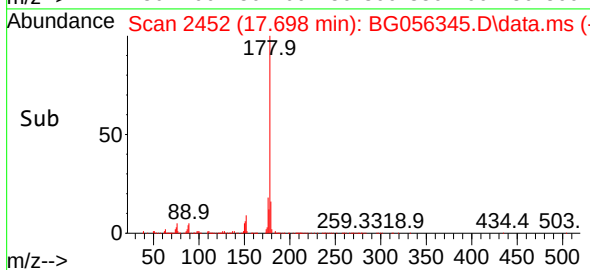
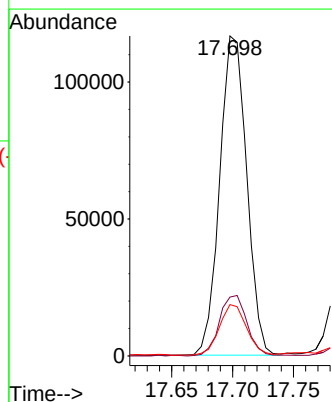
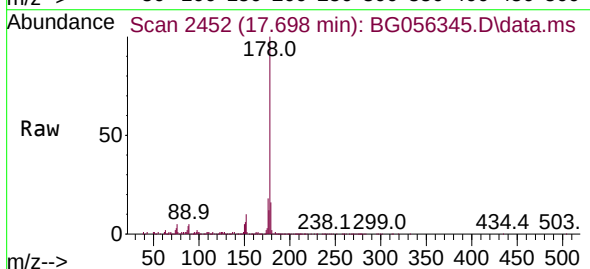
Manual Integrations
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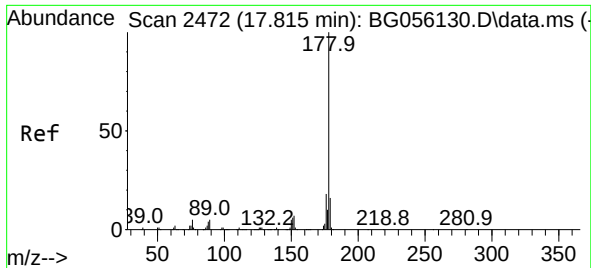
Reviewed By :Christian Giraldo 01/19/2023
Supervised By :Jagrut Upadhyay 01/19/2023



#71
Phenanthrene
Concen: 12.608 ng
RT: 17.698 min Scan# 2452
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

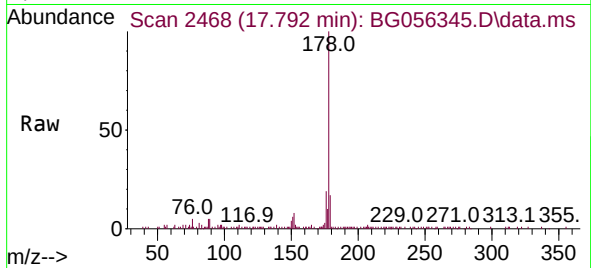
Tgt Ion:178 Resp: 179666
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 16.0 13.6 20.4





#72
 Anthracene
 Concen: 3.052 ng
 RT: 17.792 min Scan# 2472
 Delta R.T. -0.003 min
 Lab File: BG056345.D
 Acq: 19 Jan 2023 2:20

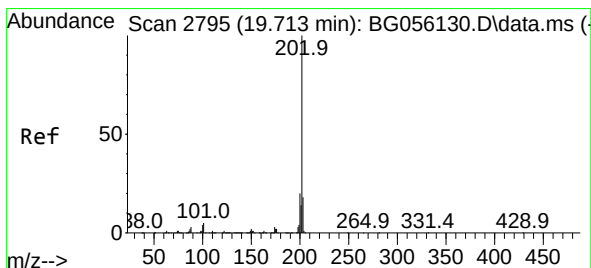
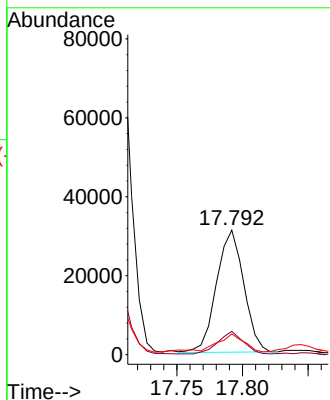
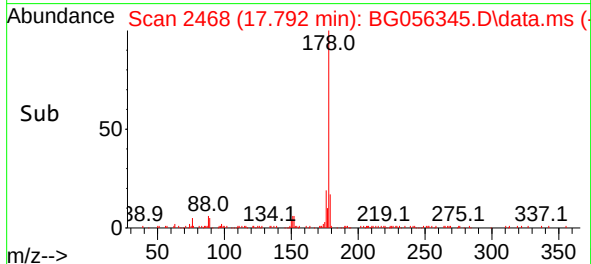
Instrument :
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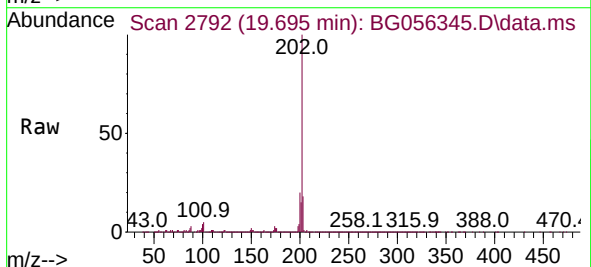
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 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 22.0
 179 16.7 12.7 19.1

Manual Integrations
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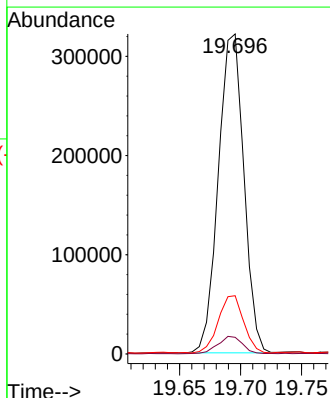
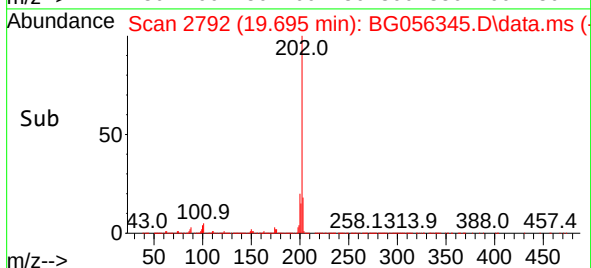
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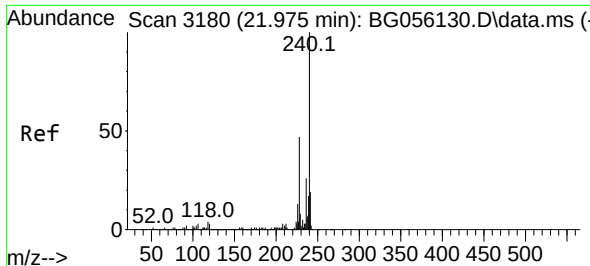


#75
 Fluoranthene
 Concen: 25.180 ng
 RT: 19.695 min Scan# 2792
 Delta R.T. 0.003 min
 Lab File: BG056345.D
 Acq: 19 Jan 2023 2:20



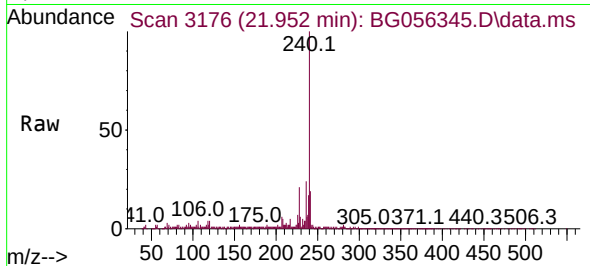
Tgt Ion:202 Resp: 468039
 Ion Ratio Lower Upper
 202 100
 101 5.2 0.0 25.0
 203 18.2 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.952 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

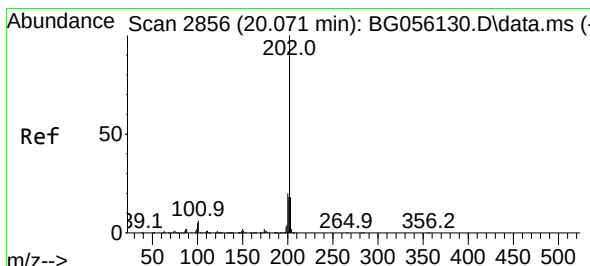
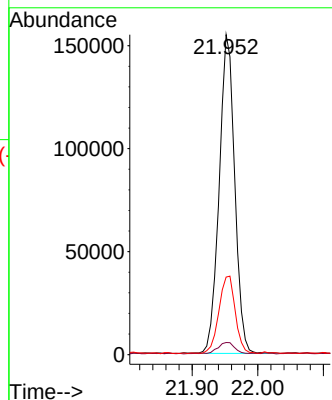
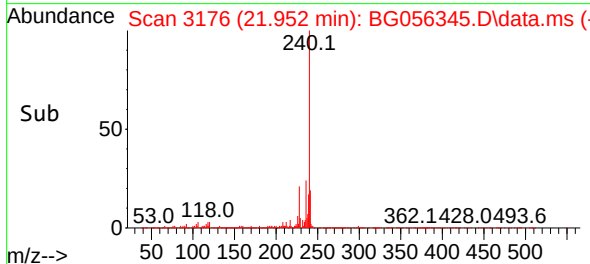
Instrument :
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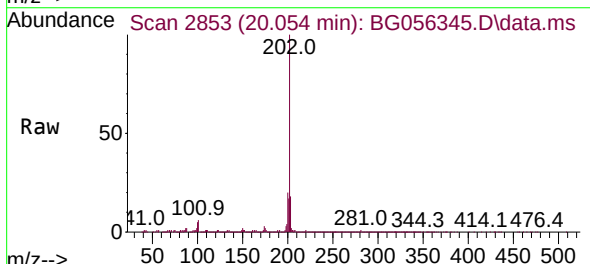
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Ion Ratio Lower Upper
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120 3.8 2.6 4.0
236 24.2 20.8 31.2

Manual Integrations
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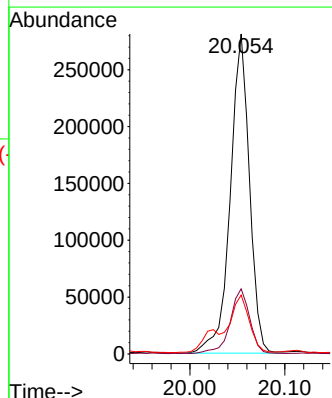
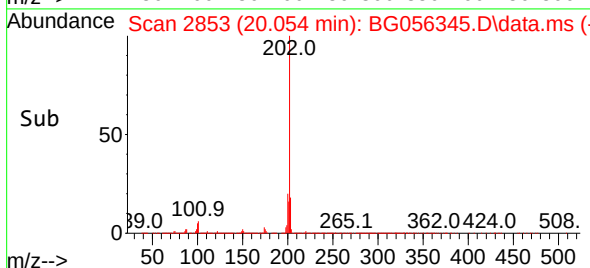
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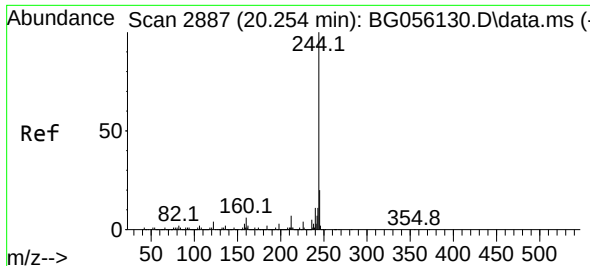


#78
Pyrene
Concen: 21.891 ng
RT: 20.054 min Scan# 2853
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20



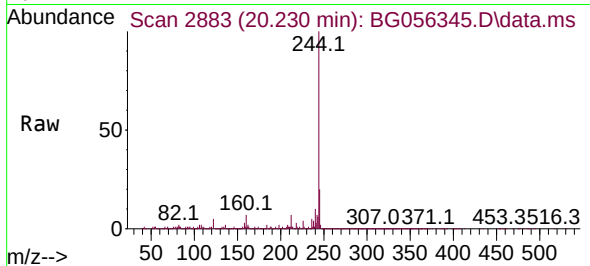
Tgt Ion:202 Resp: 394495
Ion Ratio Lower Upper
202 100
200 20.3 16.4 24.6
203 18.4 14.3 21.5





#79
 Terphenyl-d14
 Concen: 45.437 ng
 RT: 20.230 min Scan# 2883
 Delta R.T. -0.003 min
 Lab File: BG056345.D
 Acq: 19 Jan 2023 2:20

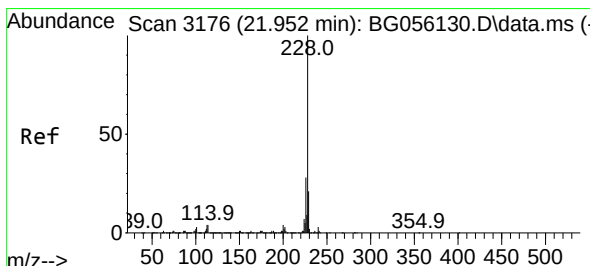
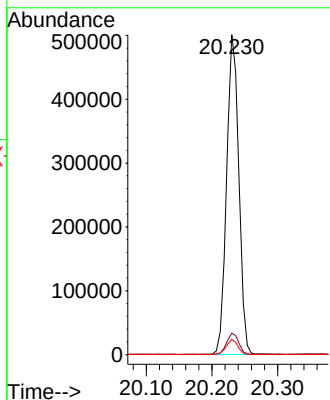
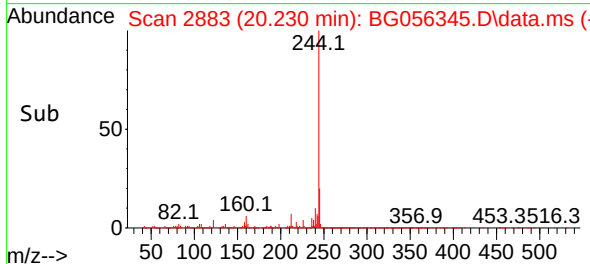
Instrument :
 BNA_G
 ClientSampleId :
 AU-5-011723



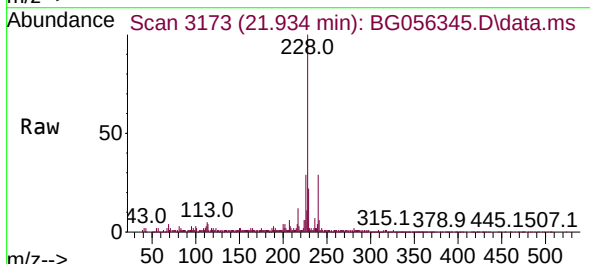
Tgt Ion:244 Resp: 648614
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 4.8 3.5 5.3

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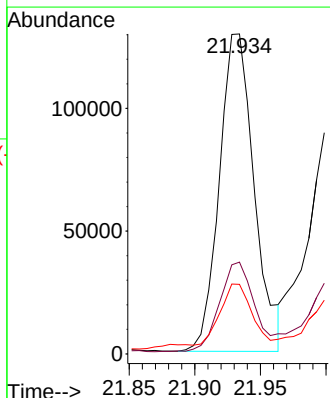
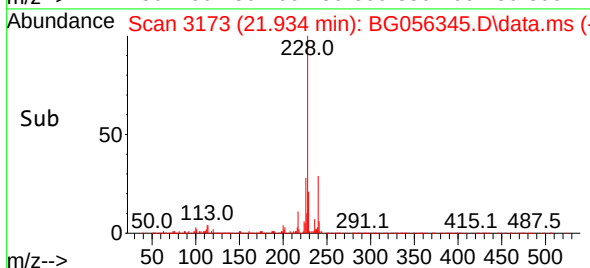
Reviewed By :Christian Giraldo 01/19/2023
 Supervised By :Jagrut Upadhyay 01/19/2023

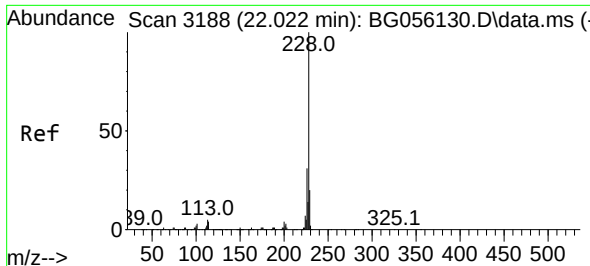


#81
 Benzo(a)anthracene
 Concen: 13.312 ng
 RT: 21.934 min Scan# 3173
 Delta R.T. 0.003 min
 Lab File: BG056345.D
 Acq: 19 Jan 2023 2:20



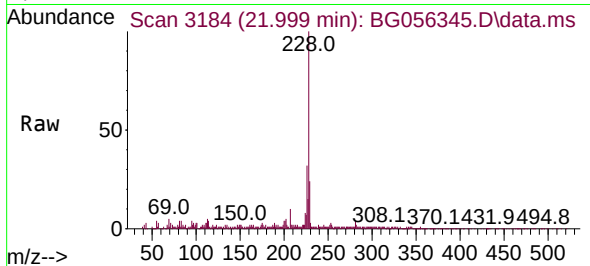
Tgt Ion:228 Resp: 239055
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 34.0
 229 21.7 16.9 25.3





#83
Chrysene
Concen: 10.709 ng m
RT: 21.999 min Scan# 3188
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

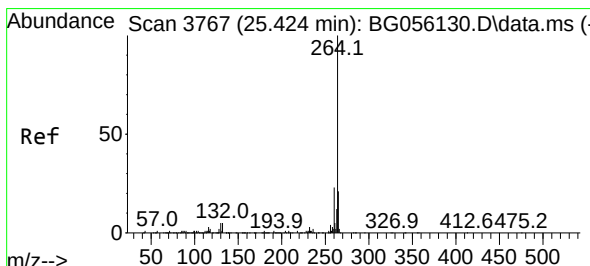
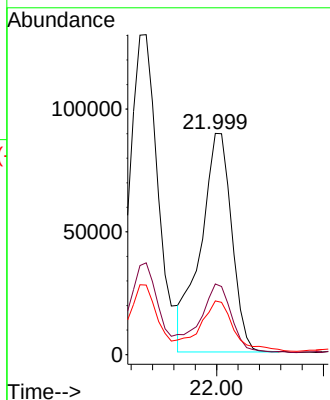
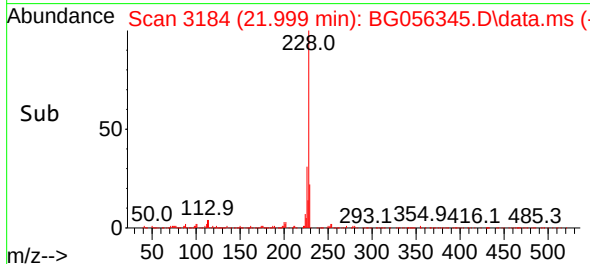
Instrument :
BNA_G
ClientSampleId :
AU-5-011723



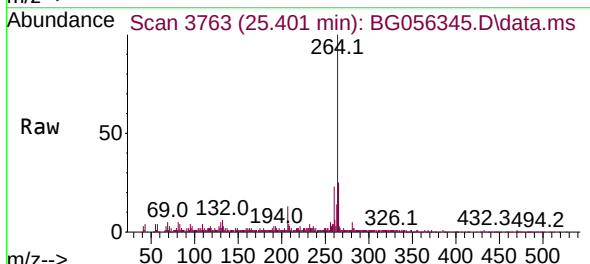
Tgt Ion:228 Resp: 180142
Ion Ratio Lower Upper
228 100
226 32.0 24.6 36.8
229 24.3 15.8 23.6

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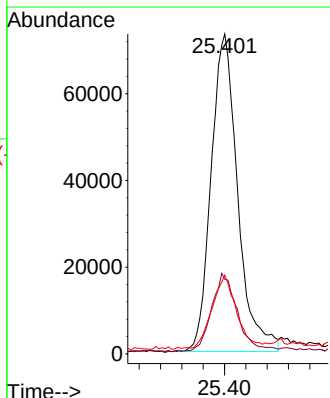
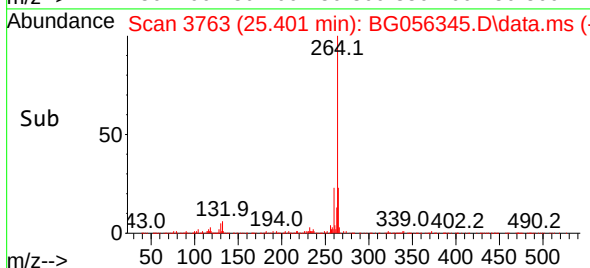
Reviewed By :Christian Giraldo 01/19/2023
Supervised By :Jagrut Upadhyay 01/19/2023

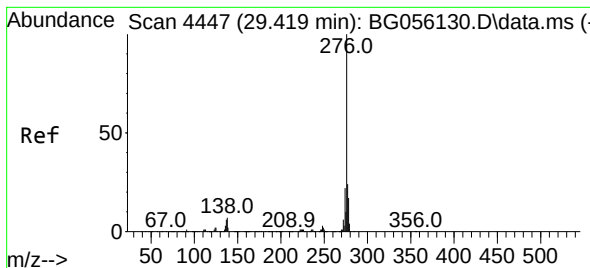


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.401 min Scan# 3763
Delta R.T. 0.009 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20



Tgt Ion:264 Resp: 253662
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 24.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.257 ng m

RT: 29.355 min Scan# 4447

Delta R.T. -0.003 min

Lab File: BG056345.D

Acq: 19 Jan 2023 2:20

Instrument :

BNA_G

ClientSampleId :

AU-5-011723

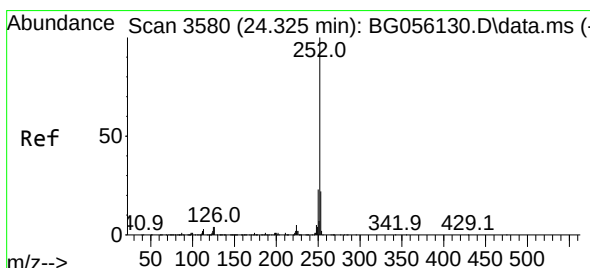
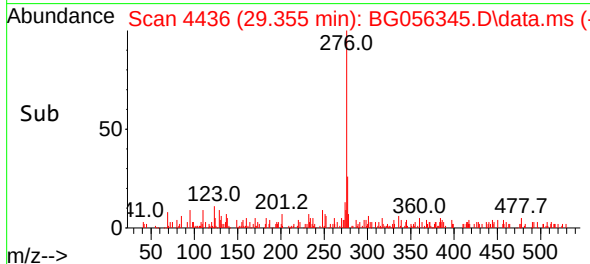
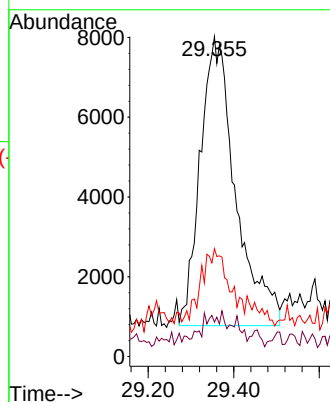
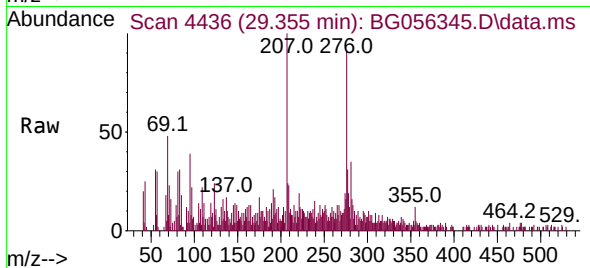
Tgt Ion:	276	Resp:	41636
Ion Ratio	Lower	Upper	
276	100		
138	0.0	5.0	7.4
277	0.0	20.5	30.7

Manual Integrations

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Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#88

Benzo(b)fluoranthene

Concen: 13.022 ng

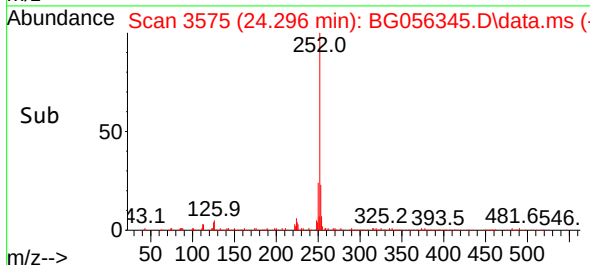
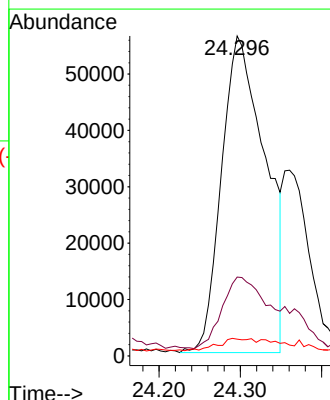
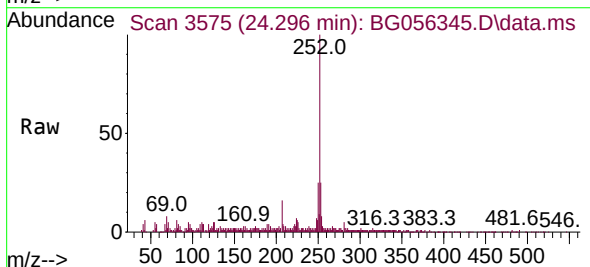
RT: 24.296 min Scan# 3575

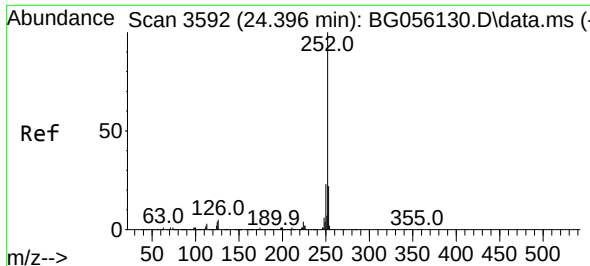
Delta R.T. 0.003 min

Lab File: BG056345.D

Acq: 19 Jan 2023 2:20

Tgt Ion:	252	Resp:	209870
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.4	26.2
125	5.2	3.0	4.4





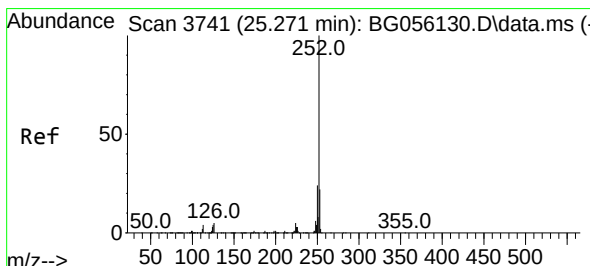
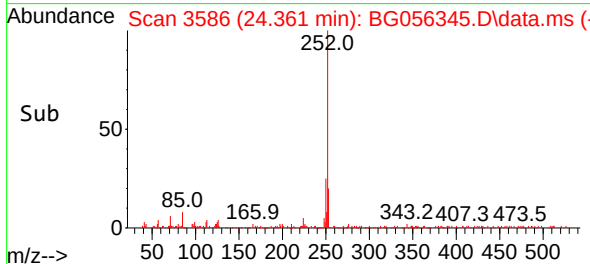
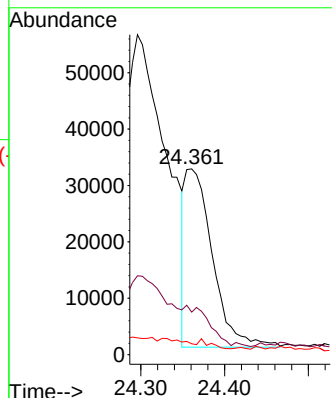
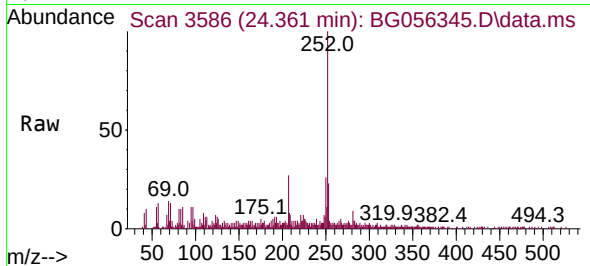
#89
Benzo(k)fluoranthene
Concen: 4.471 ng m
RT: 24.361 min Scan# 3586
Delta R.T. -0.009 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Instrument :
BNA_G
ClientSampleId :
AU-5-011723

Tgt Ion:252 Resp: 71756
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 5.9 3.4 5.0

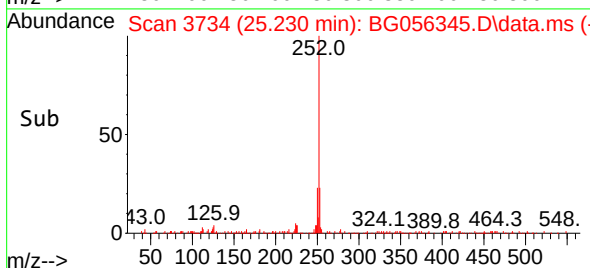
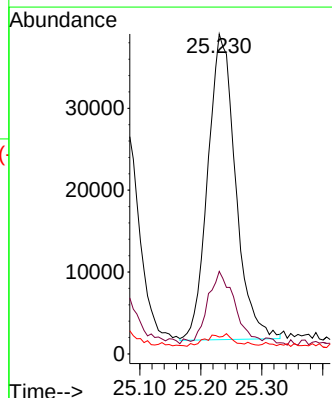
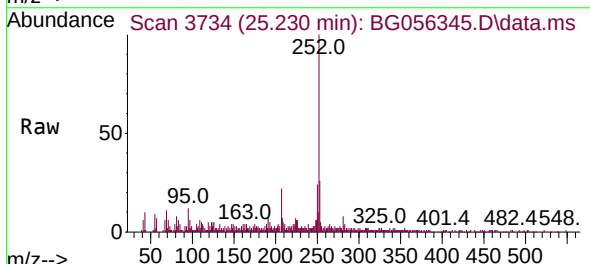
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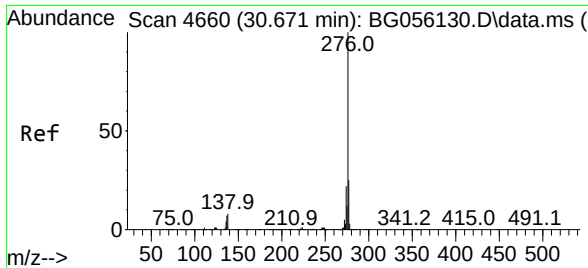
Reviewed By :Christian Giraldo 01/19/2023
Supervised By :Jagrut Upadhyay 01/19/2023



#90
Benzo(a)pyrene
Concen: 7.506 ng
RT: 25.230 min Scan# 3734
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

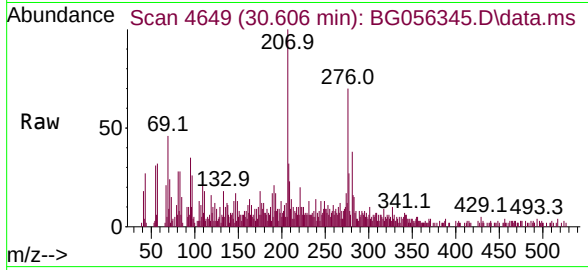
Tgt Ion:252 Resp: 117998
Ion Ratio Lower Upper
252 100
253 25.8 17.4 26.2
125 5.3 3.2 4.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.319 ng m
 RT: 30.606 min Scan# 4649
 Delta R.T. 0.009 min
 Lab File: BG056345.D
 Acq: 19 Jan 2023 2:20

Instrument :
 BNA_G
 ClientSampleId :
 AU-5-011723



Tgt Ion: 276 Resp: 34779

Ion	Ratio	Lower	Upper
276	100		
277	38.3	19.7	29.5
138	15.6	6.7	10.1

Manual Integrations
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Reviewed By : Christian Giraldo 01/19/2023
 Supervised By : Jagrut Upadhyay 01/19/2023

