

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013123\
 Data File : BG056486.D
 Acq On : 31 Jan 2023 15:27
 Operator : CG/JU
 Sample : 01270-01DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-1-012323DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/01/2023
 Supervised By : Jagrut Upadhyay 02/01/2023

Quant Time: Jan 31 16:02:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 00:39:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.277	152	44630	20.000	ng	0.00
21) Naphthalene-d8	11.109	136	171748	20.000	ng	0.00
39) Acenaphthene-d10	14.893	164	128076	20.000	ng	-0.01
64) Phenanthrene-d10	17.630	188	299028	20.000	ng	-0.01
76) Chrysene-d12	21.920	240	291856	20.000	ng	-0.01
86) Perylene-d12	25.345	264	321968	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	40562	16.719	ng	0.00
7) Phenol-d6	7.419	99	63982	17.799	ng	0.00
23) Nitrobenzene-d5	9.452	82	33886	11.204	ng	0.00
42) 2,4,6-Tribromophenol	16.373	330	20682	12.147	ng	-0.01
45) 2-Fluorobiphenyl	13.518	172	103280	11.180	ng	-0.01
79) Terphenyl-d14	20.204	244	170911	10.285	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.677	178	327463	20.923	ng	97
72) Anthracene	17.766	178	87672	5.457	ng	99
75) Fluoranthene	19.669	202	658525	33.338	ng	100
78) Pyrene	20.028	202	597579	28.789	ng	99
81) Benzo(a)anthracene	21.902	228	307222	15.057	ng	99
83) Chrysene	21.972	228	254019	13.251	ng	97
87) Indeno(1,2,3-cd)pyrene	29.276	276	158073	6.707	ng	# 97
88) Benzo(b)fluoranthene	24.252	252	327279	16.377	ng	98
89) Benzo(k)fluoranthene	24.317	252	129636m	6.425	ng	
90) Benzo(a)pyrene	25.180	252	262172	13.318	ng	98
91) Dibenzo(a,h)anthracene	29.317	278	42385	2.142	ng	# 86
92) Benzo(g,h,i)perylene	30.515	276	153900	8.062	ng	# 95

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

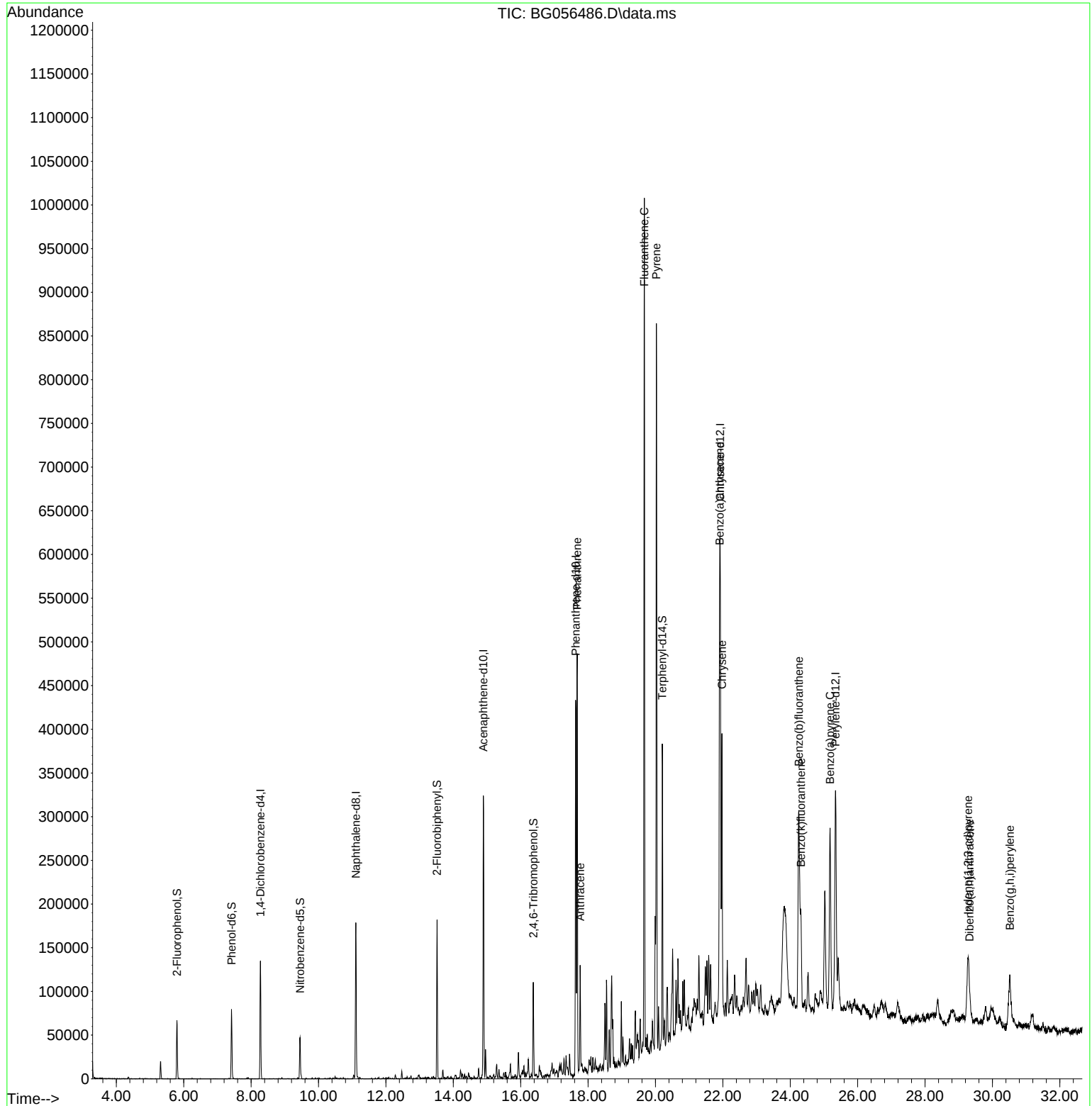
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013123\
Data File : BG056486.D
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Operator : CG/JU
Sample : 01270-01DL 5X
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ALS Vial : 9 Sample Multiplier: 1

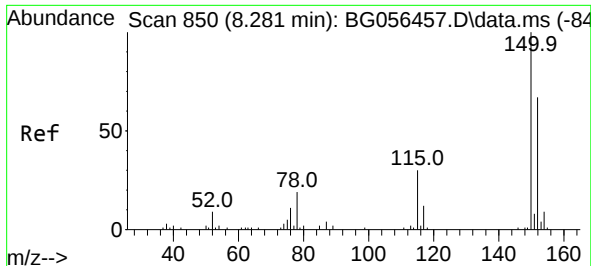
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Quant Time: Jan 31 16:02:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 00:39:13 2023
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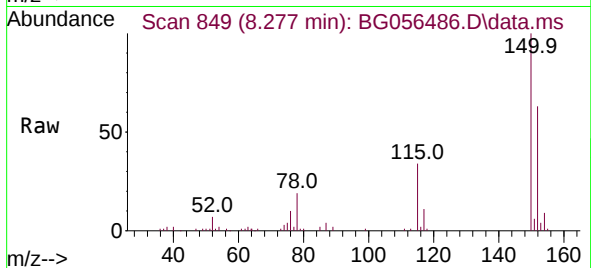
Reviewed By : Christian Giraldo 02/01/2023
Supervised By : Jagrut Upadhyay 02/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.277 min Scan# 84
Delta R.T. -0.004 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

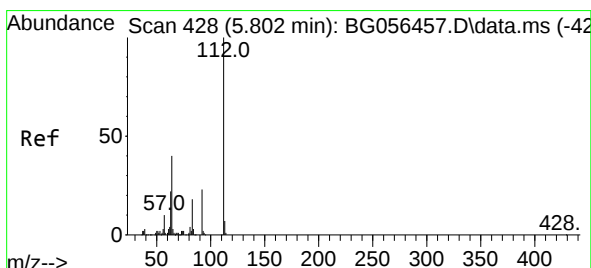
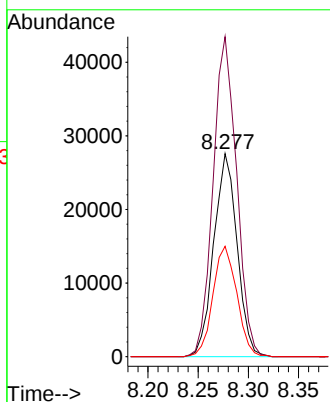
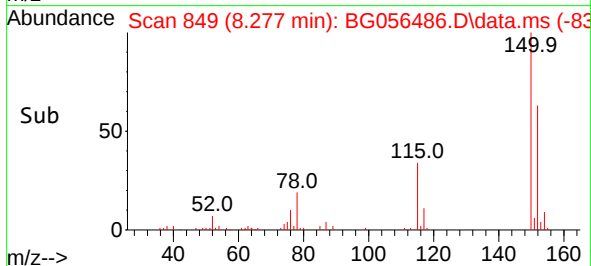
Instrument :
BNA_G
ClientSampleId :
JC-1-012323DL



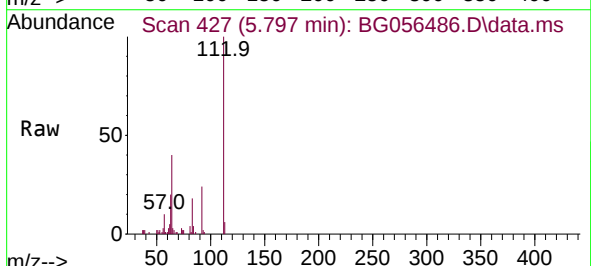
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Ion Ratio Lower Upper
152 100
150 157.7 120.2 180.4
115 54.4 36.3 54.5

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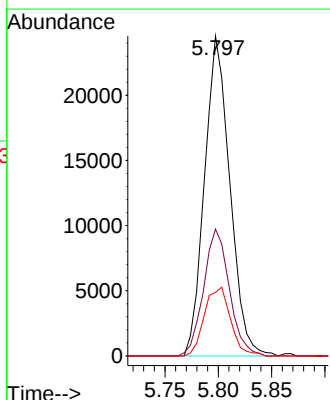
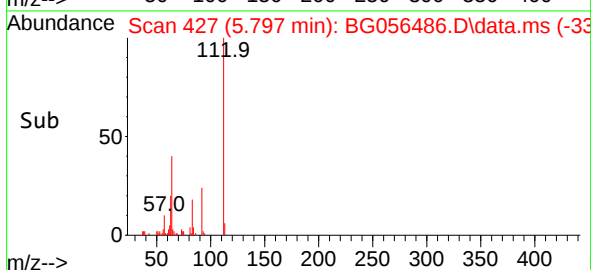
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

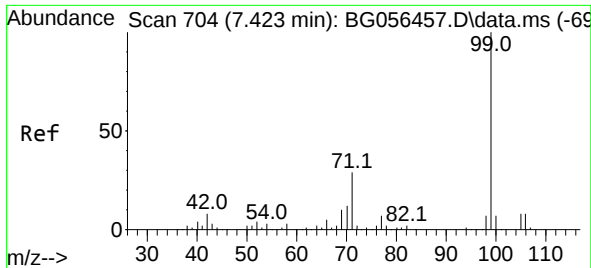


#5
2-Fluorophenol
Concen: 16.719 ng
RT: 5.797 min Scan# 427
Delta R.T. -0.004 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27



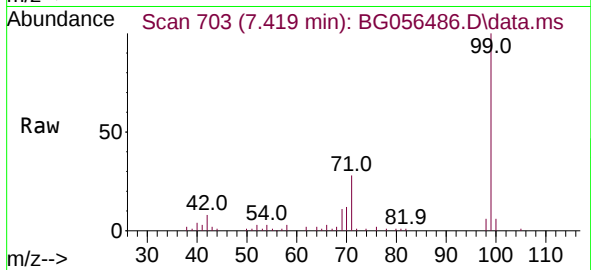
Tgt Ion:112 Resp: 40562
Ion Ratio Lower Upper
112 100
64 39.6 31.9 47.9
63 19.8 17.4 26.0





#7
Phenol-d6
Concen: 17.799 ng
RT: 7.419 min Scan# 704
Delta R.T. -0.004 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

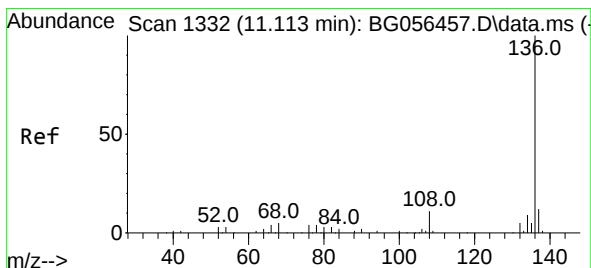
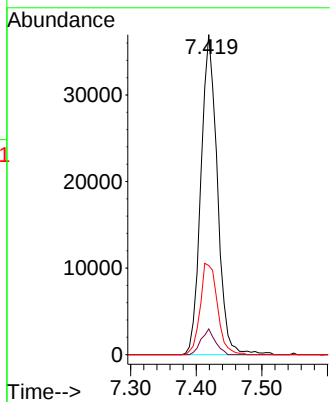
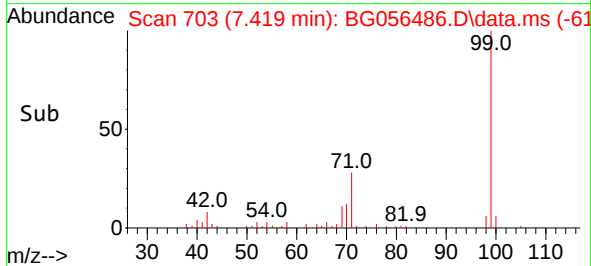
Instrument :
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ClientSampleId :
JC-1-012323DL



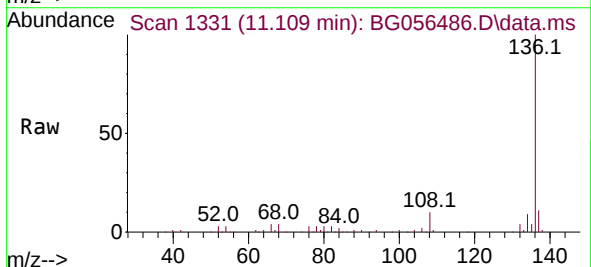
Tgt Ion: 99 Resp: 63982
Ion Ratio Lower Upper
99 100
42 8.0 6.6 10.0
71 27.8 23.4 35.0

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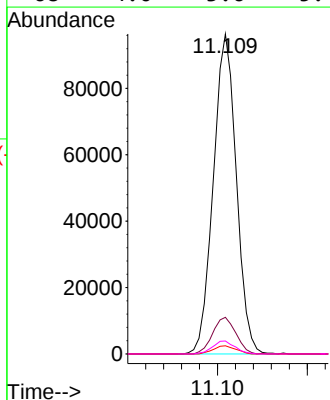
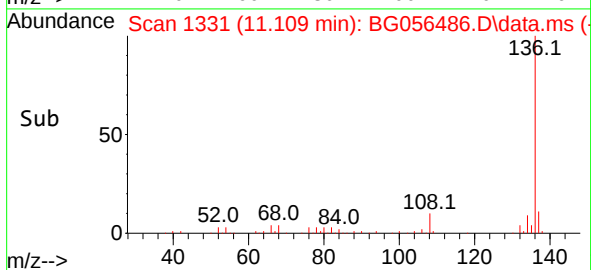
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

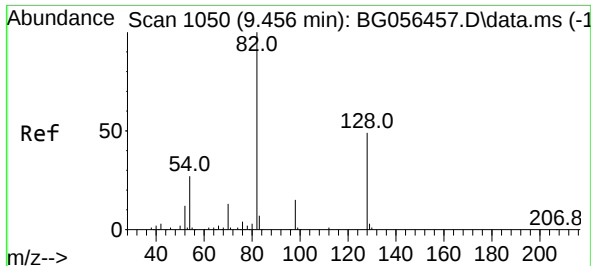


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.109 min Scan# 1331
Delta R.T. -0.004 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27



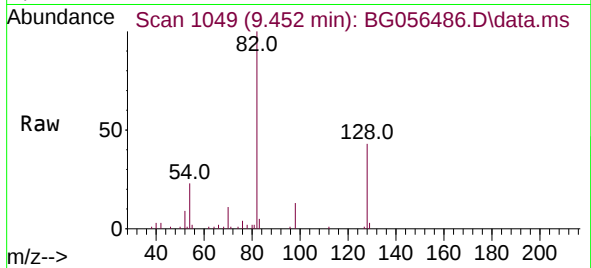
Tgt Ion:136 Resp: 171748
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.0
54 2.5 2.2 3.4
68 4.0 3.6 5.4





#23
Nitrobenzene-d5
Concen: 11.204 ng
RT: 9.452 min Scan# 1049
Delta R.T. -0.004 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

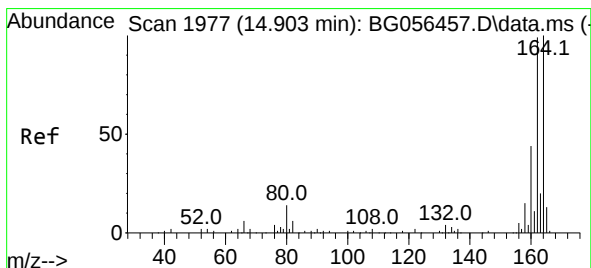
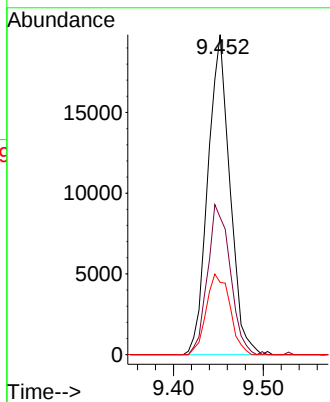
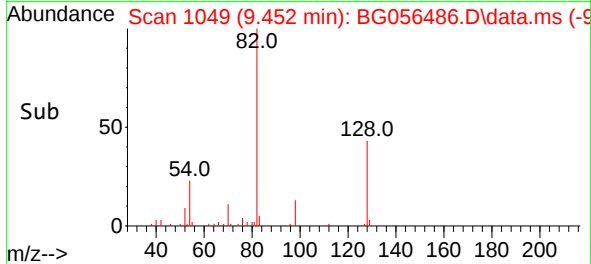
Instrument :
BNA_G
ClientSampleId :
JC-1-012323DL



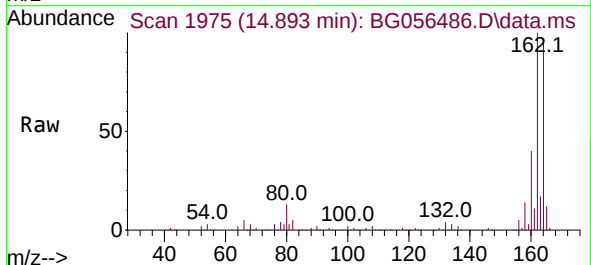
Tgt Ion: 82 Resp: 33886
Ion Ratio Lower Upper
82 100
128 42.9 39.4 59.2
54 22.6 21.4 32.2

Manual Integrations
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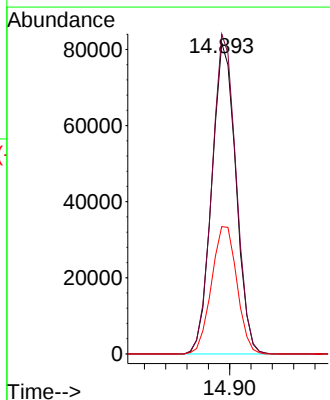
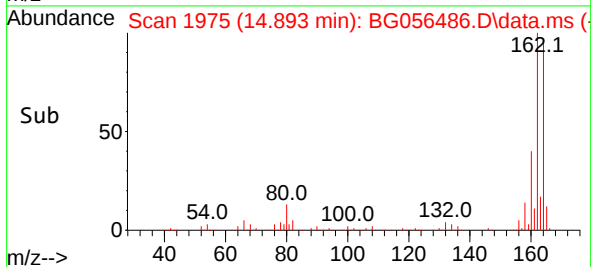
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

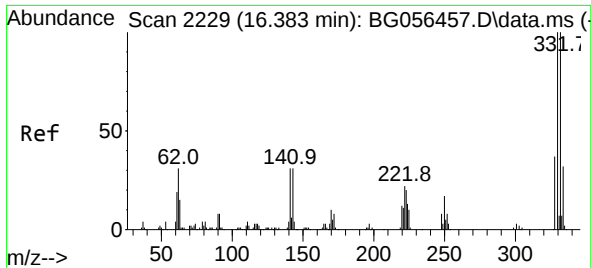


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.893 min Scan# 1975
Delta R.T. -0.010 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27



Tgt Ion:164 Resp: 128076
Ion Ratio Lower Upper
164 100
162 102.9 79.6 119.4
160 40.9 34.9 52.3





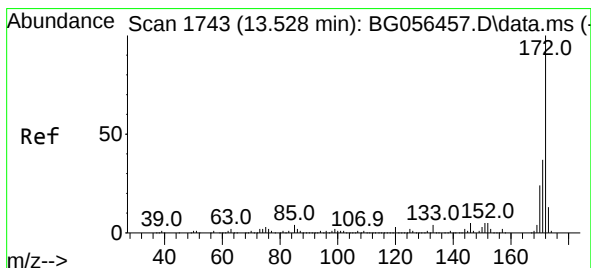
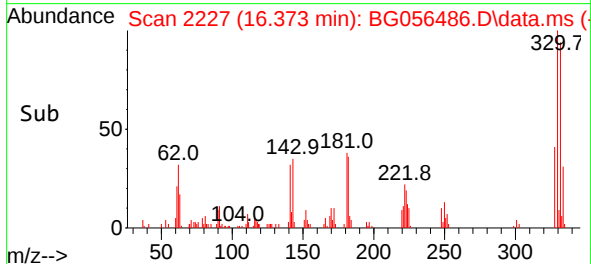
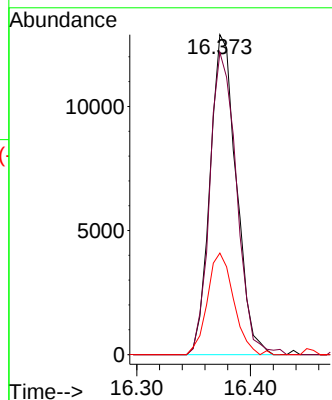
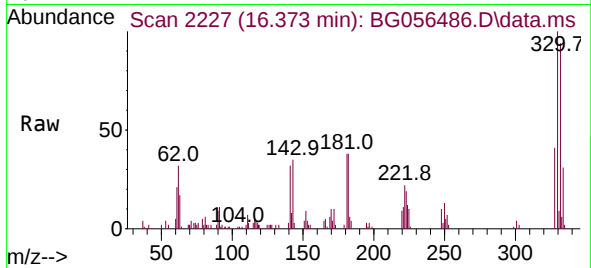
#42
2,4,6-Tribromophenol
Concen: 12.147 ng
RT: 16.373 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

Instrument :
BNA_G
ClientSampleId :
JC-1-012323DL

Tgt Ion:330 Resp: 20682
Ion Ratio Lower Upper
330 100
332 96.6 79.0 118.6
141 31.9 24.2 36.4

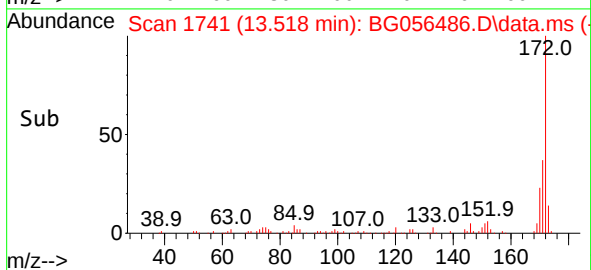
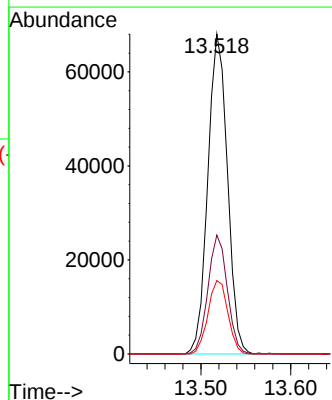
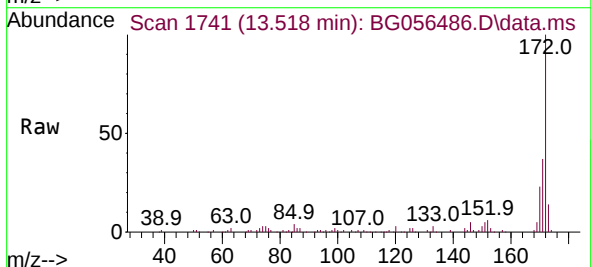
Manual Integrations
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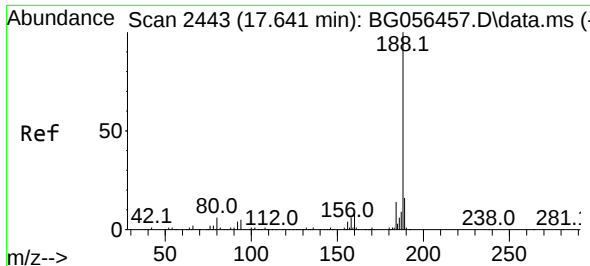
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#45
2-Fluorobiphenyl
Concen: 11.180 ng
RT: 13.518 min Scan# 1741
Delta R.T. -0.010 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

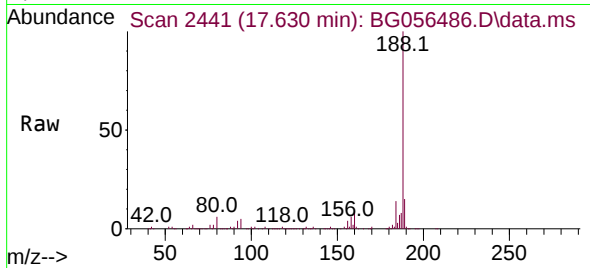
Tgt Ion:172 Resp: 103280
Ion Ratio Lower Upper
172 100
171 37.1 29.5 44.3
170 22.9 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2441
Delta R.T. -0.010 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

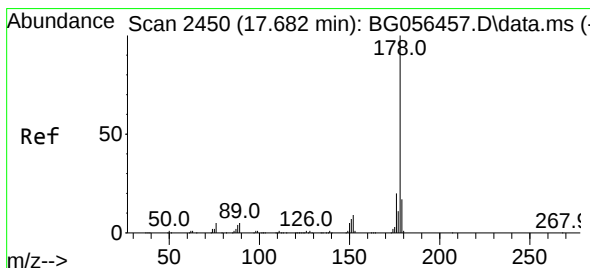
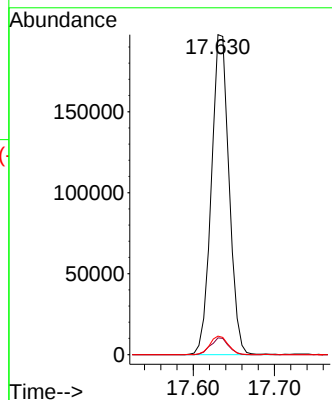
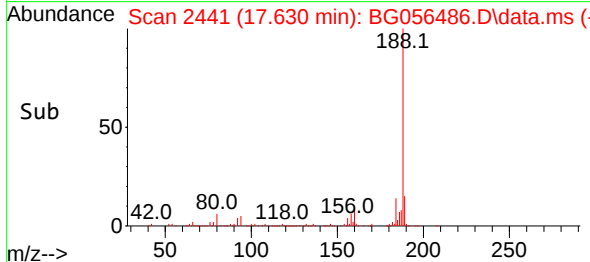
Instrument :
BNA_G
ClientSampleId :
JC-1-012323DL



Tgt Ion:188 Resp: 299028
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 5.8 5.0 7.4

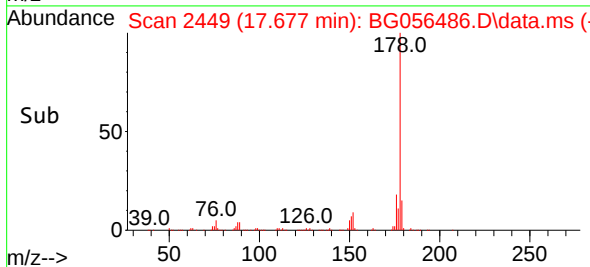
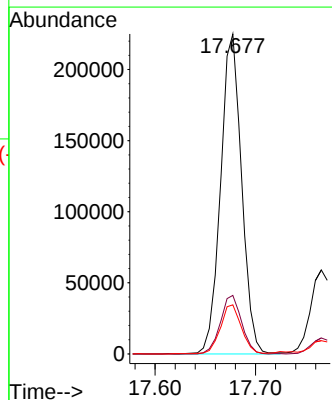
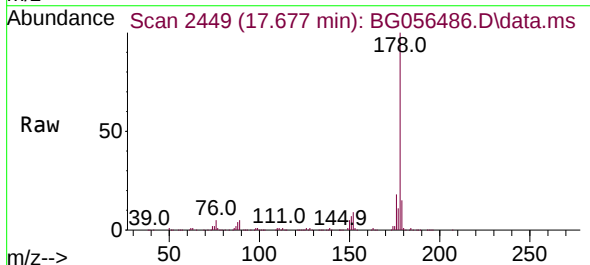
Manual Integrations
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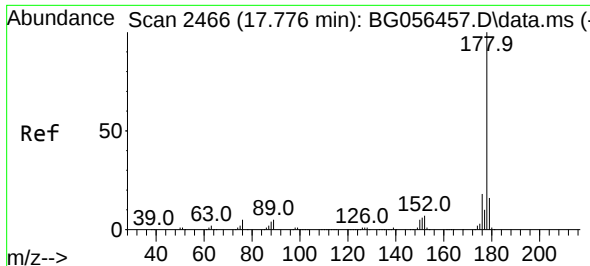
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#71
Phenanthrene
Concen: 20.923 ng
RT: 17.677 min Scan# 2449
Delta R.T. -0.004 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

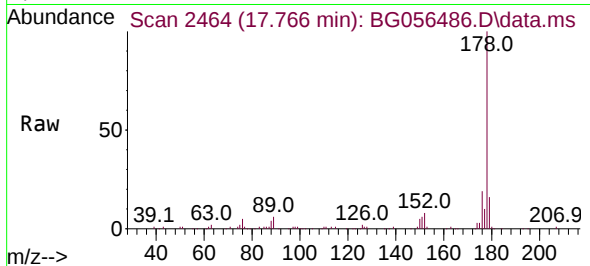
Tgt Ion:178 Resp: 327463
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.3 13.3 19.9





#72
 Anthracene
 Concen: 5.457 ng
 RT: 17.766 min Scan# 2466
 Delta R.T. -0.010 min
 Lab File: BG056486.D
 Acq: 31 Jan 2023 15:27

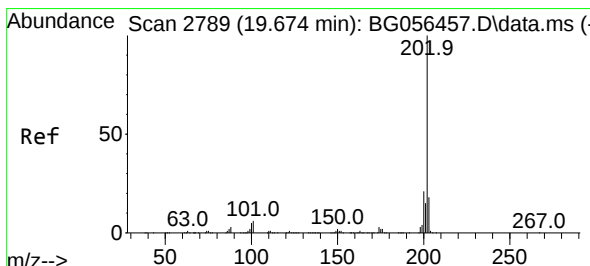
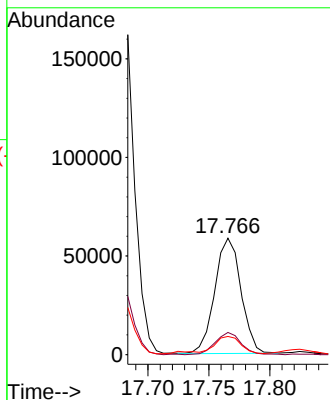
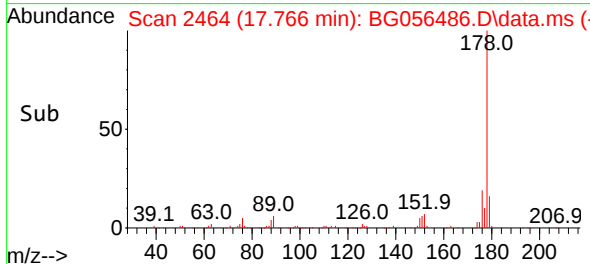
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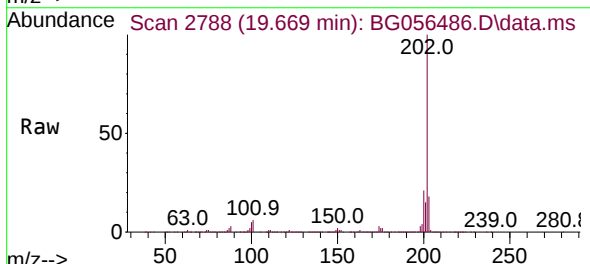
Tgt Ion:178 Resp: 87672
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.5 21.7
 179 15.7 12.5 18.7

Manual Integrations
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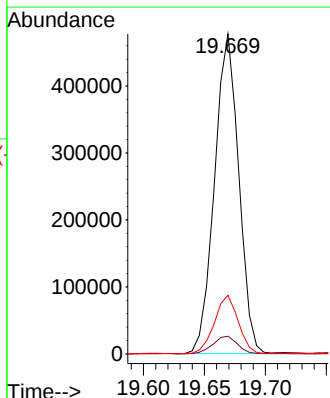
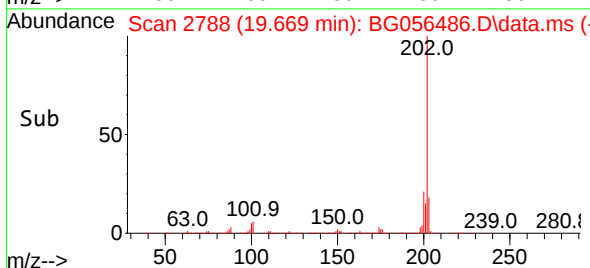
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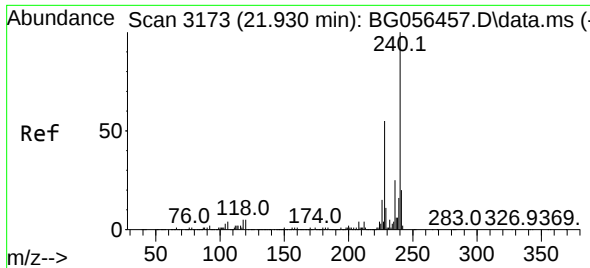


#75
 Fluoranthene
 Concen: 33.338 ng
 RT: 19.669 min Scan# 2788
 Delta R.T. -0.005 min
 Lab File: BG056486.D
 Acq: 31 Jan 2023 15:27



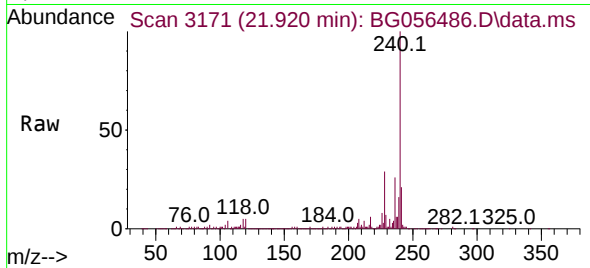
Tgt Ion:202 Resp: 658525
 Ion Ratio Lower Upper
 202 100
 101 5.5 0.0 25.6
 203 18.3 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.920 min Scan# 3173
Delta R.T. -0.010 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

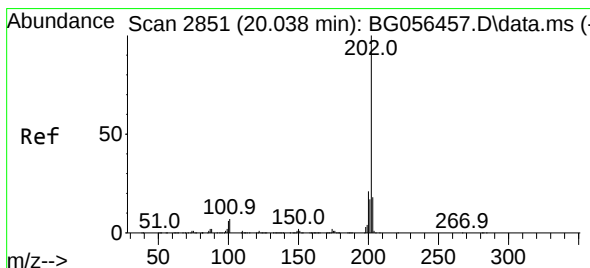
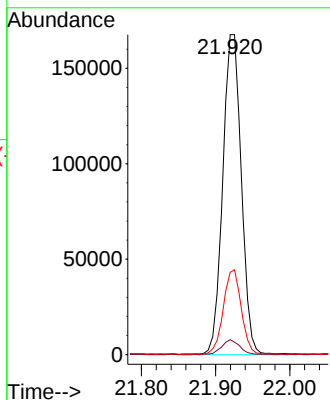
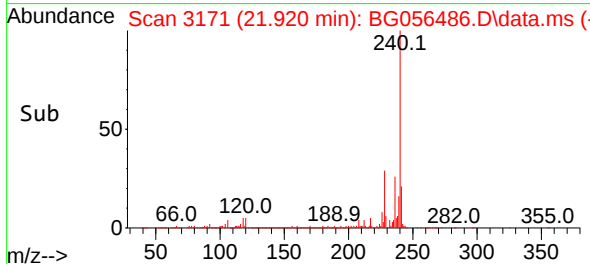
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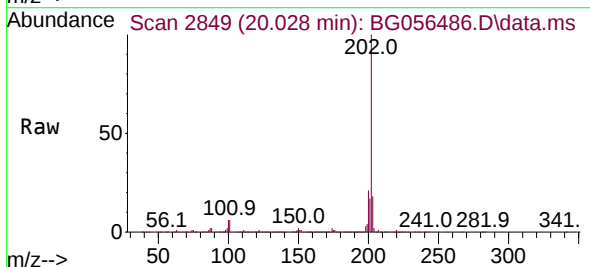
Tgt Ion:240 Resp: 291856
Ion Ratio Lower Upper
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120 4.7 3.8 5.8
236 25.7 20.2 30.2

Manual Integrations
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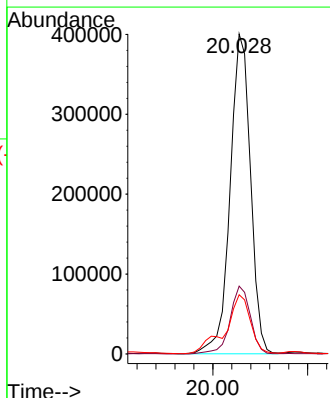
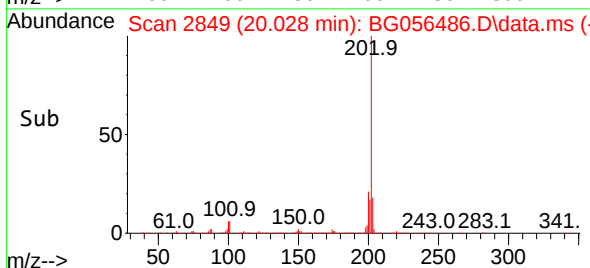
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

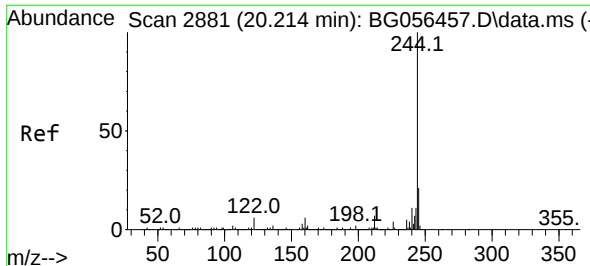


#78
Pyrene
Concen: 28.789 ng
RT: 20.028 min Scan# 2849
Delta R.T. -0.010 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27



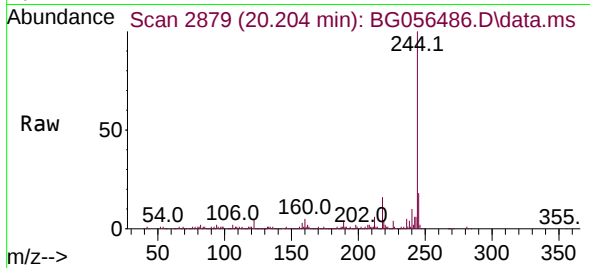
Tgt Ion:202 Resp: 597579
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 18.5 14.4 21.6





#79
 Terphenyl-d14
 Concen: 10.285 ng
 RT: 20.204 min Scan# 2881
 Delta R.T. -0.010 min
 Lab File: BG056486.D
 Acq: 31 Jan 2023 15:27

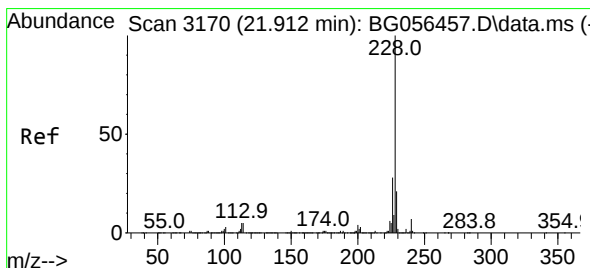
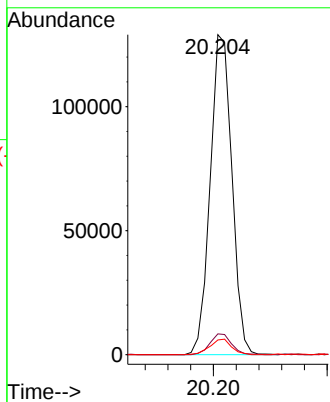
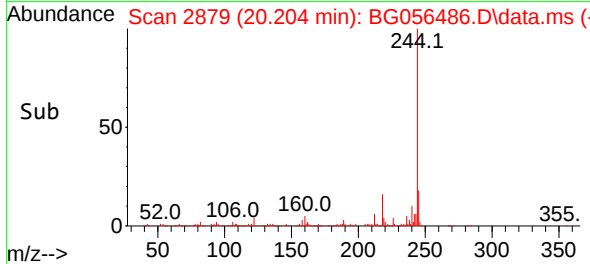
Instrument :
 BNA_G
 ClientSampleId :
 JC-1-012323DL



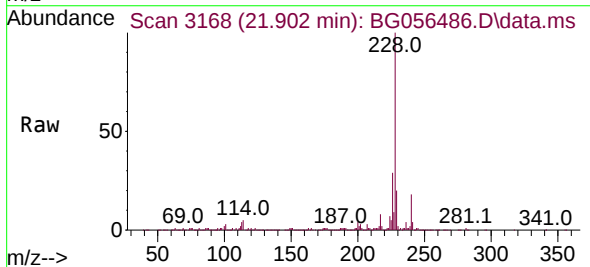
Tgt Ion:244 Resp: 170911
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 4.6 4.4 6.6

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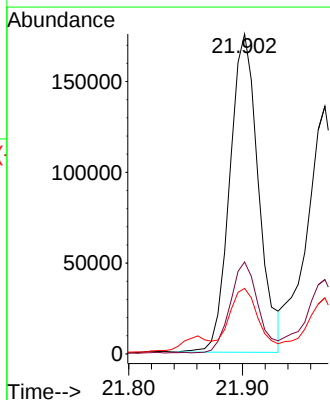
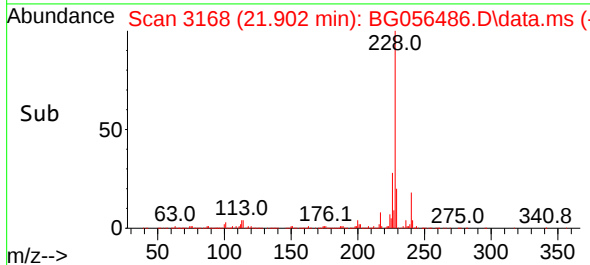
Reviewed By :Christian Giraldo 02/01/2023
 Supervised By :Jagrut Upadhyay 02/01/2023

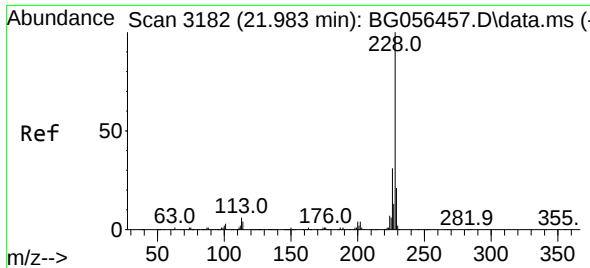


#81
 Benzo(a)anthracene
 Concen: 15.057 ng
 RT: 21.902 min Scan# 3168
 Delta R.T. -0.010 min
 Lab File: BG056486.D
 Acq: 31 Jan 2023 15:27



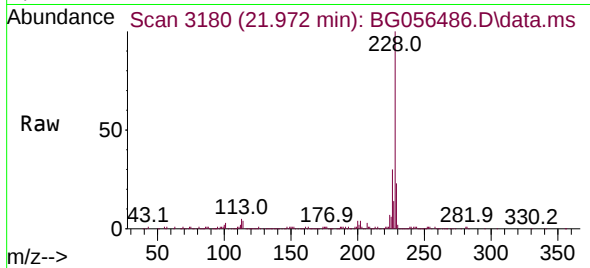
Tgt Ion:228 Resp: 307222
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.4 33.6
 229 20.5 16.5 24.7





#83
Chrysene
Concen: 13.251 ng
RT: 21.972 min Scan# 3180
Delta R.T. -0.010 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

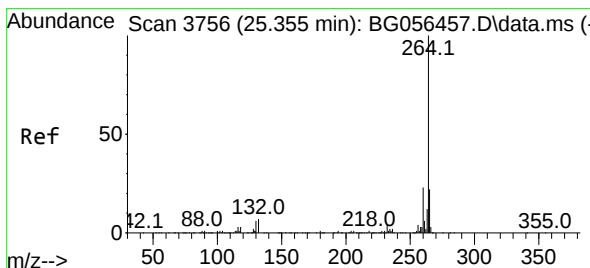
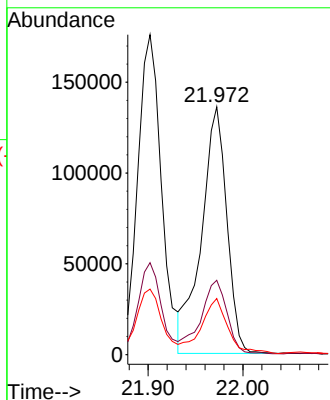
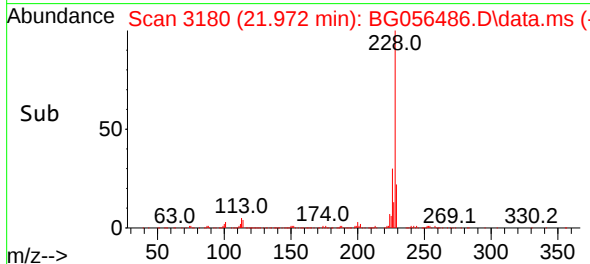
Instrument :
BNA_G
ClientSampleId :
JC-1-012323DL



Tgt Ion:228 Resp: 254019
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.4
229 22.6 16.4 24.6

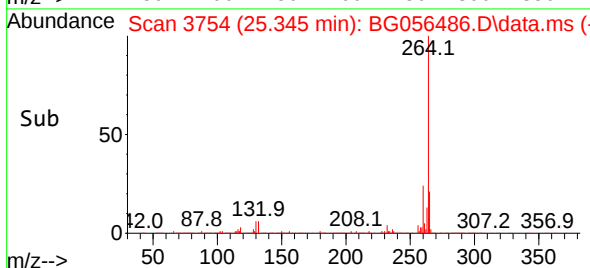
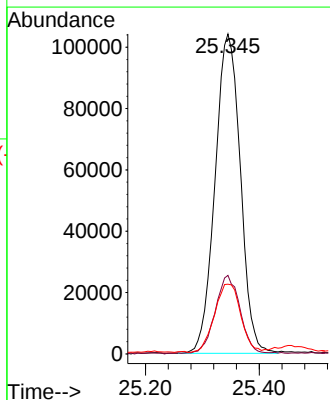
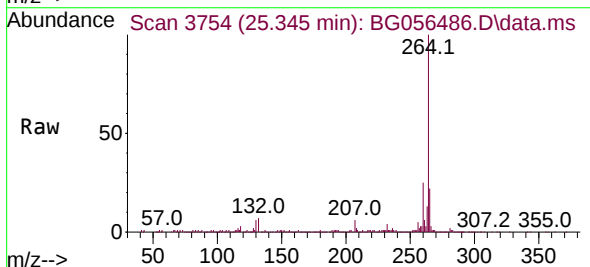
Manual Integrations
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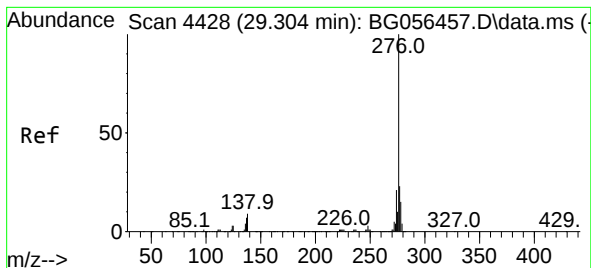
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.345 min Scan# 3754
Delta R.T. -0.010 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

Tgt Ion:264 Resp: 321968
Ion Ratio Lower Upper
264 100
260 24.6 18.2 27.4
265 21.8 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.707 ng

RT: 29.276 min Scan# 4428

Delta R.T. -0.028 min

Lab File: BG056486.D

Acq: 31 Jan 2023 15:27

Instrument :

BNA_G

ClientSampleId :

JC-1-012323DL

Tgt Ion:276 Resp: 158073

Ion Ratio Lower Upper

276 100

138 8.5 9.4 14.2

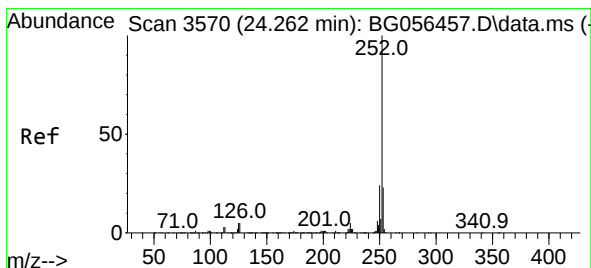
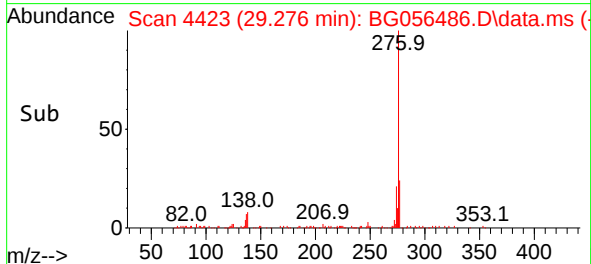
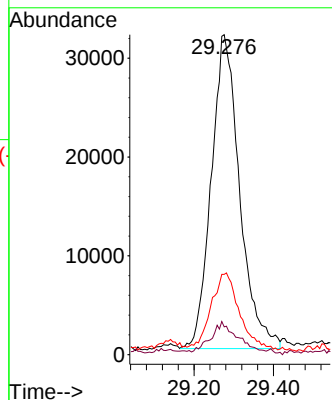
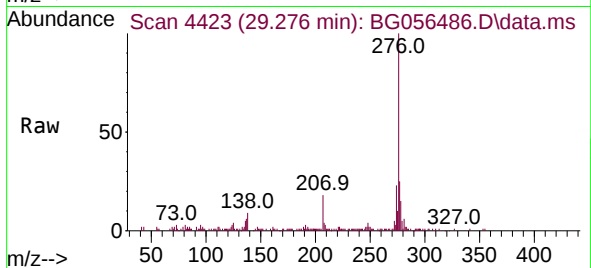
277 24.9 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#88

Benzo(b)fluoranthene

Concen: 16.377 ng

RT: 24.252 min Scan# 3568

Delta R.T. -0.010 min

Lab File: BG056486.D

Acq: 31 Jan 2023 15:27

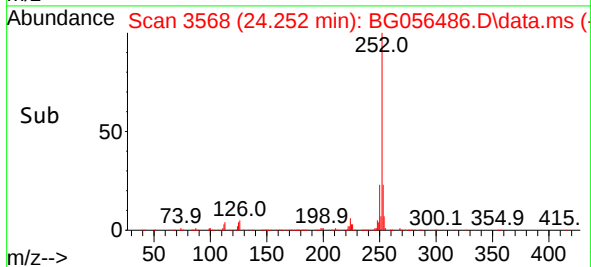
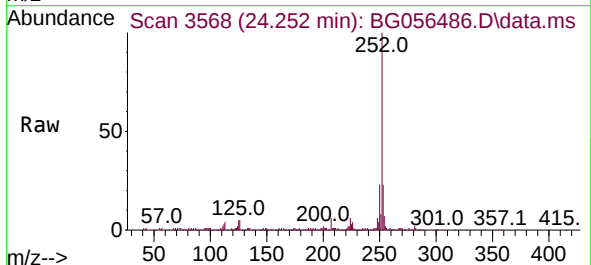
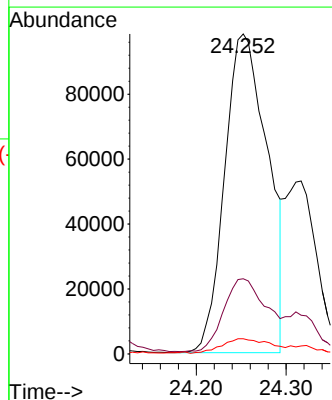
Tgt Ion:252 Resp: 327279

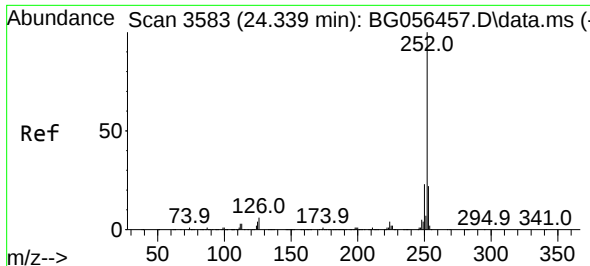
Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

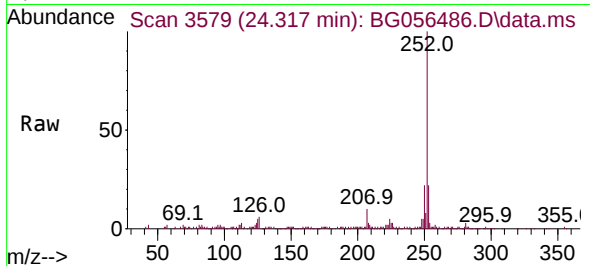
125 4.7 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 6.425 ng m
RT: 24.317 min Scan# 3583
Delta R.T. -0.022 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

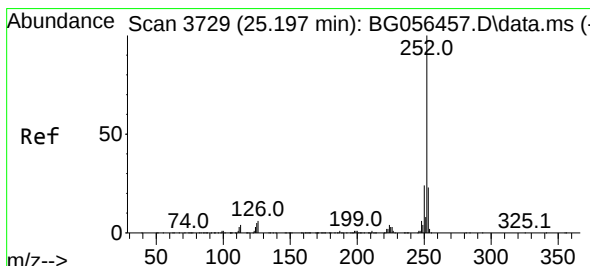
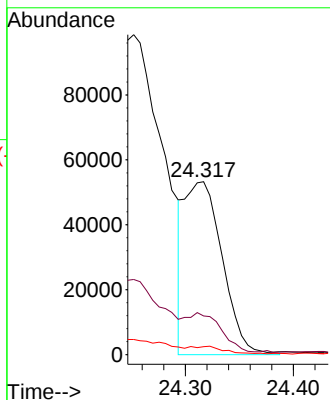
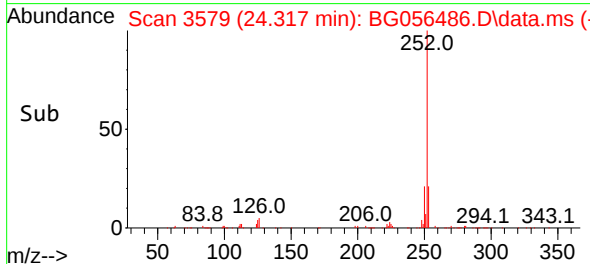
Instrument :
BNA_G
ClientSampleId :
JC-1-012323DL



Tgt Ion:252 Resp: 129636
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 4.6 3.4 5.0

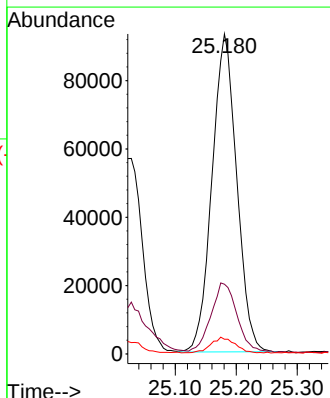
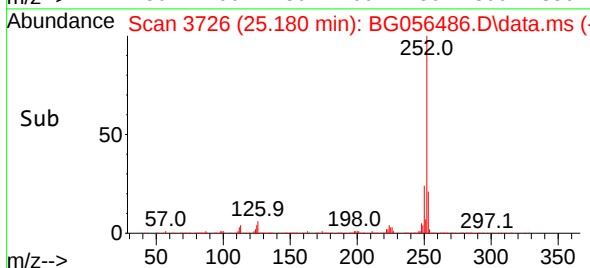
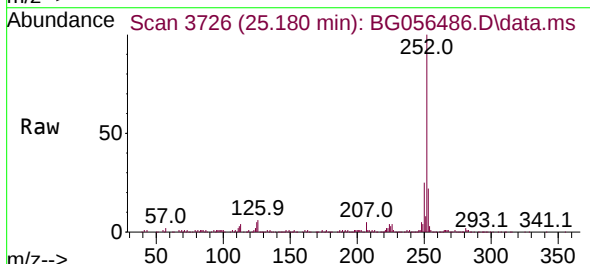
Manual Integrations
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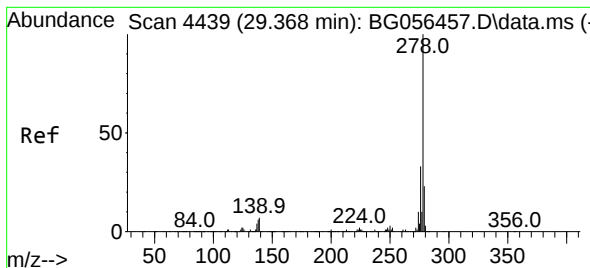
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#90
Benzo(a)pyrene
Concen: 13.318 ng
RT: 25.180 min Scan# 3726
Delta R.T. -0.016 min
Lab File: BG056486.D
Acq: 31 Jan 2023 15:27

Tgt Ion:252 Resp: 262172
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 4.6 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 2.142 ng

RT: 29.317 min Scan# 4430

Delta R.T. -0.051 min

Lab File: BG056486.D

Acq: 31 Jan 2023 15:27

Instrument :

BNA_G

ClientSampleId :

JC-1-012323DL

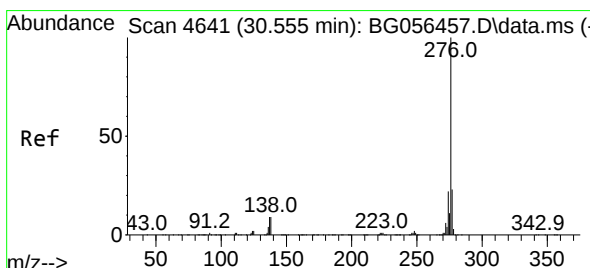
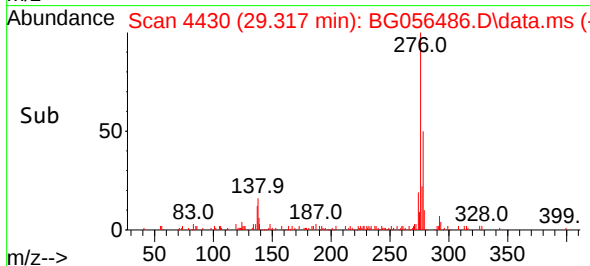
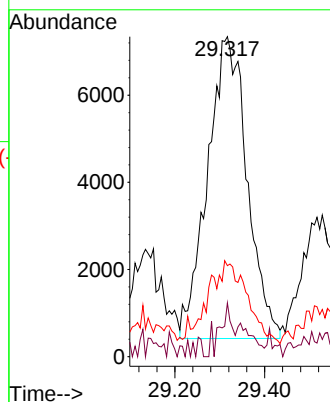
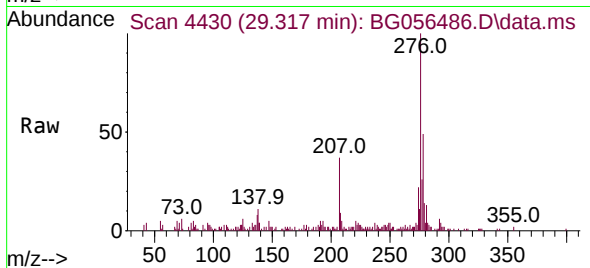
Tgt Ion:	278	Resp:	42385
Ion Ratio	Lower	Upper	
278	100		
139	16.8	5.5	8.3
279	28.4	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#92

Benzo(g,h,i)perylene

Concen: 8.062 ng

RT: 30.515 min Scan# 4634

Delta R.T. -0.040 min

Lab File: BG056486.D

Acq: 31 Jan 2023 15:27

Tgt Ion:	276	Resp:	153900
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.5	27.7
138	11.2	7.4	11.0

