

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
 Data File : BG056687.D
 Acq On : 21 Feb 2023 16:51
 Operator : CG/JU
 Sample : 01552-01DL2 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0DL2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/22/2023
 Supervised By : Jagrut Upadhyay 02/22/2023

Quant Time: Feb 21 17:25:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 21 16:06:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.438	152	22488	20.000	ng	0.00
21) Naphthalene-d8	11.276	136	89652	20.000	ng	0.00
39) Acenaphthene-d10	15.036	164	63405	20.000	ng	0.00
64) Phenanthrene-d10	17.774	188	137635	20.000	ng	0.00
76) Chrysene-d12	22.087	240	111800	20.000	ng	0.00
86) Perylene-d12	25.636	264	122460	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.941	112	14195	10.270	ng	0.00
7) Phenol-d6	7.557	99	21360	10.462	ng	0.00
23) Nitrobenzene-d5	9.601	82	14313	8.174	ng	0.00
42) 2,4,6-Tribromophenol	16.511	330	9257	10.664	ng	0.00
45) 2-Fluorobiphenyl	13.667	172	31775	6.711	ng	0.00
79) Terphenyl-d14	20.336	244	48420	7.086	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.323	128	34586	6.961	ng	98
49) Acenaphthylene	14.766	152	29691	4.808	ng	96
52) Acenaphthene	15.101	154	9663	2.537	ng	90
55) Dibenzofuran	15.430	168	14785	2.297	ng	97
58) Fluorene	16.076	166	27089	5.324	ng	98
71) Phenanthrene	17.821	178	344869	46.056	ng	98
72) Anthracene	17.909	178	62956	8.217	ng	95
73) Carbazole	18.168	167	15317	2.319	ng	99
75) Fluoranthene	19.801	202	272168	27.547	ng	99
78) Pyrene	20.160	202	273841	32.433	ng	100
81) Benzo(a)anthracene	22.069	228	112564	13.539	ng	96
83) Chrysene	22.140	228	99786	12.838	ng	96
87) Indeno(1,2,3-cd)pyrene	29.725	276	46738	4.873	ng	# 90
88) Benzo(b)fluoranthene	24.507	252	113867	14.233	ng	99
89) Benzo(k)fluoranthene	24.572	252	42677m	5.425	ng	
90) Benzo(a)pyrene	25.465	252	99462	12.934	ng	95
92) Benzo(g,h,i)perylene	31.000	276	43117m	5.555	ng	

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

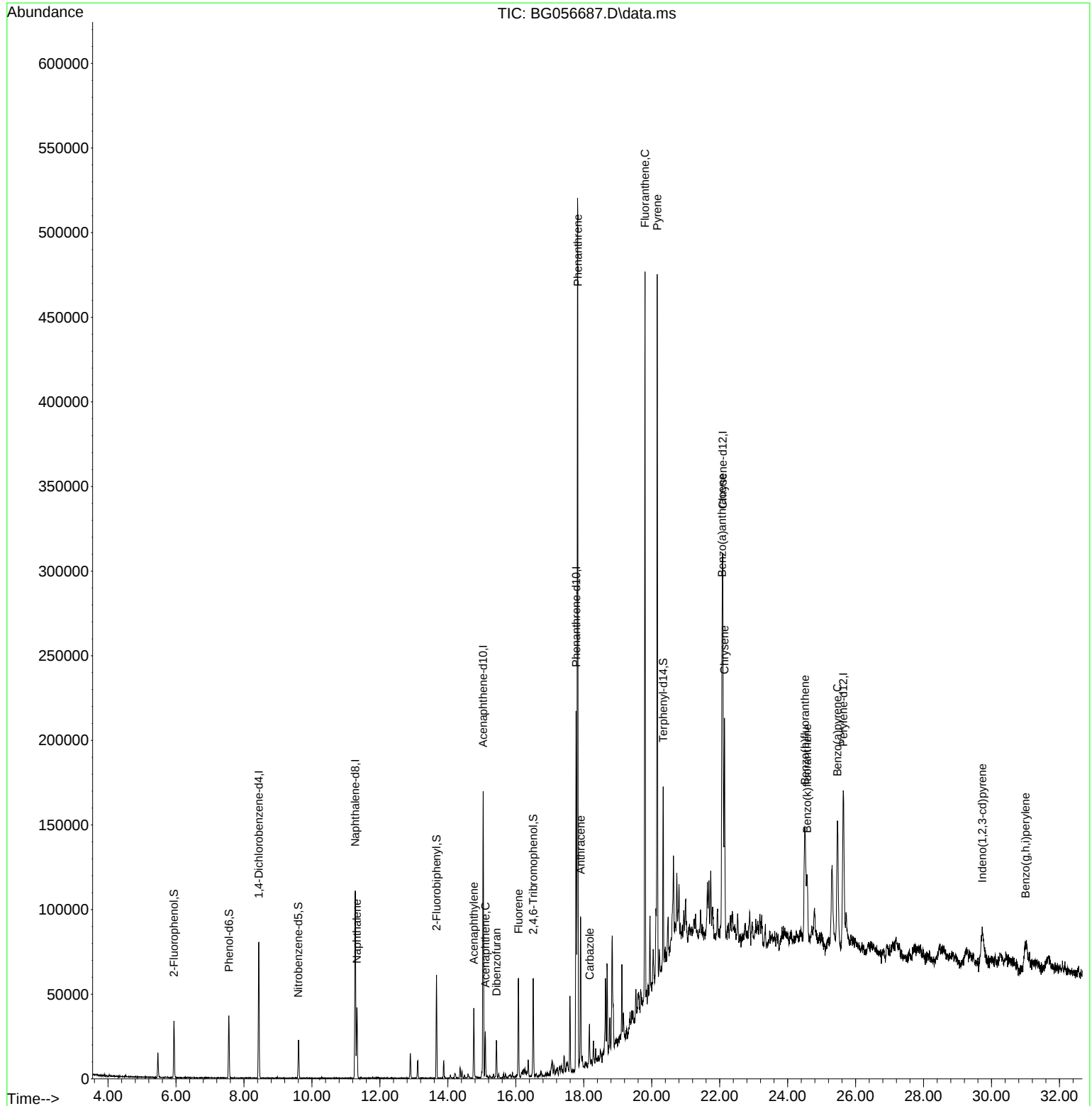
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
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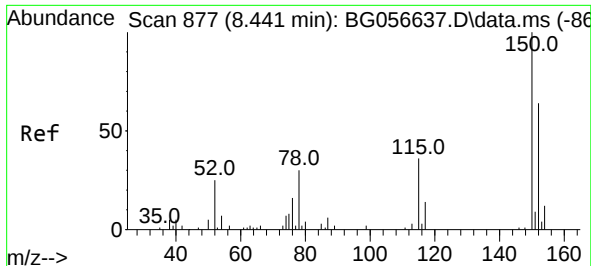
Instrument :
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ClientSampleId :
SB-01-0-2.0DL2

Quant Time: Feb 21 17:25:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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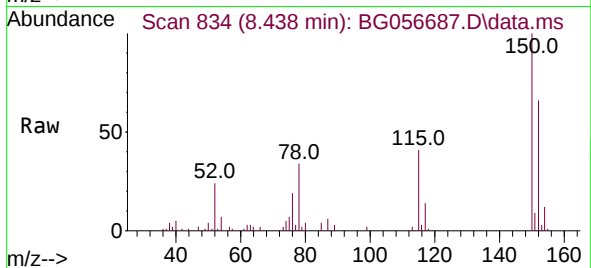
Reviewed By : Christian Giraldo 02/22/2023
Supervised By : Jagrut Upadhyay 02/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.438 min Scan# 84
Delta R.T. 0.009 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

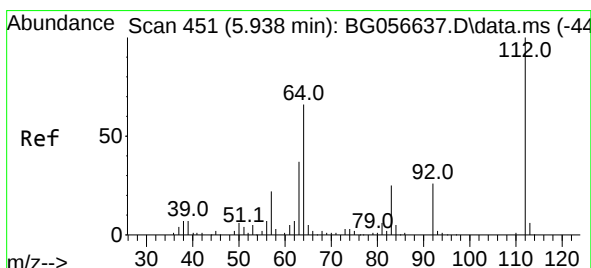
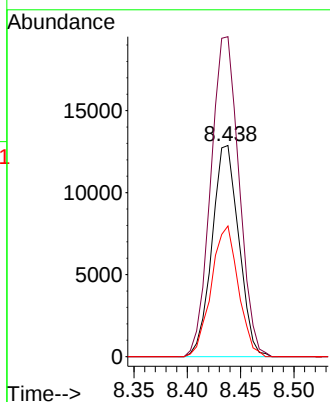
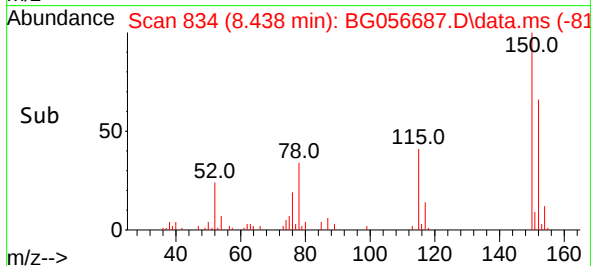
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL2



Tgt Ion:152 Resp: 22488
Ion Ratio Lower Upper
152 100
150 151.5 124.8 187.2
115 61.9 44.7 67.1

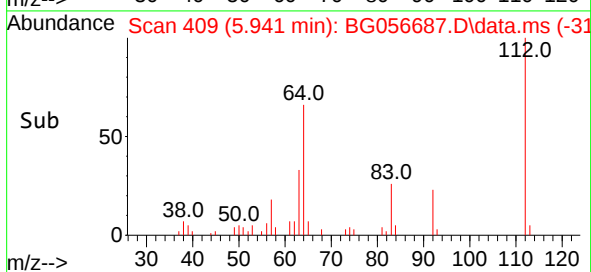
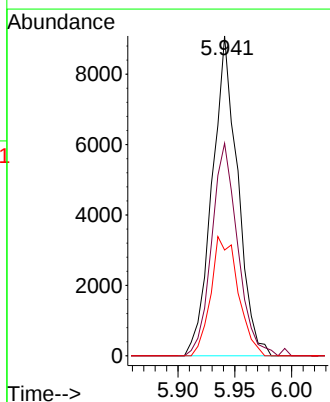
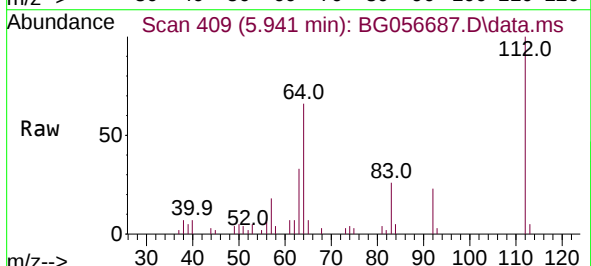
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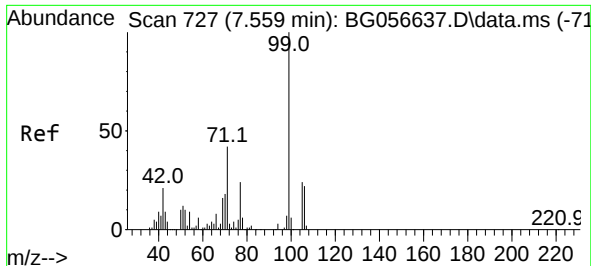
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#5
2-Fluorophenol
Concen: 10.270 ng
RT: 5.941 min Scan# 409
Delta R.T. 0.009 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

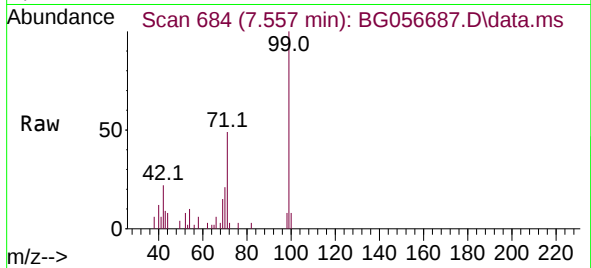
Tgt Ion:112 Resp: 14195
Ion Ratio Lower Upper
112 100
64 66.4 52.6 78.8
63 33.1 29.8 44.6





#7
Phenol-d6
Concen: 10.462 ng
RT: 7.557 min Scan# 684
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

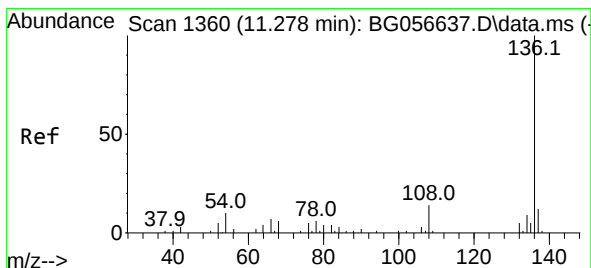
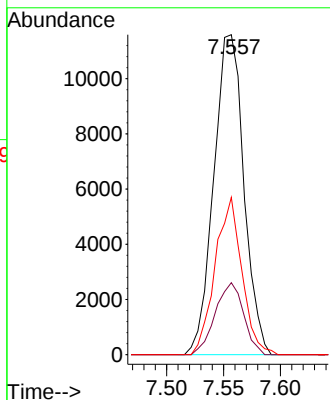
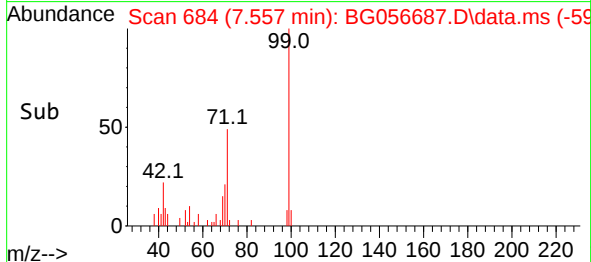
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL2



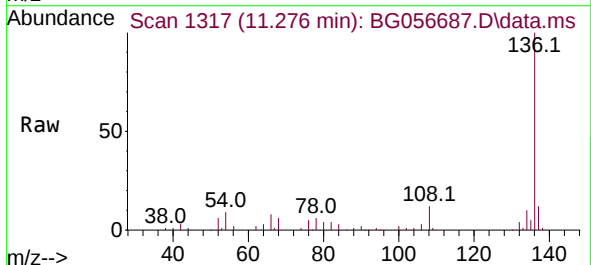
Tgt Ion: 99 Resp: 21360
Ion Ratio Lower Upper
99 100
42 22.5 16.8 25.2
71 49.1 33.9 50.9

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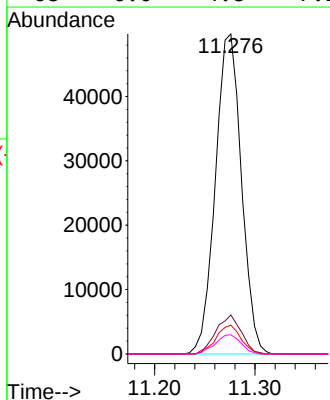
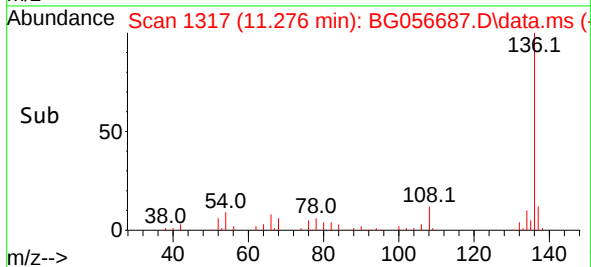
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Supervised By :Jagrut Upadhyay 02/22/2023

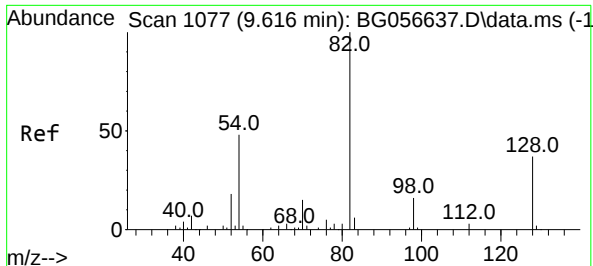


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.276 min Scan# 1317
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51



Tgt Ion:136 Resp: 89652
Ion Ratio Lower Upper
136 100
137 12.2 9.7 14.5
54 9.0 7.7 11.5
68 6.0 4.8 7.2





#23

Nitrobenzene-d5

Concen: 8.174 ng

RT: 9.601 min Scan# 1077

Delta R.T. -0.003 min

Lab File: BG056687.D

Acq: 21 Feb 2023 16:51

Instrument :

BNA_G

ClientSampleId :

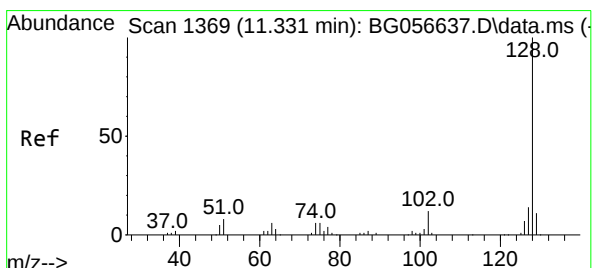
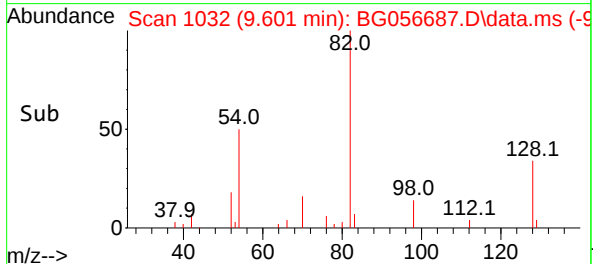
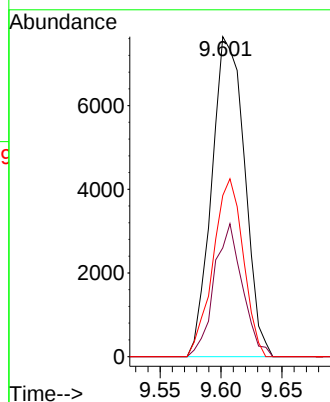
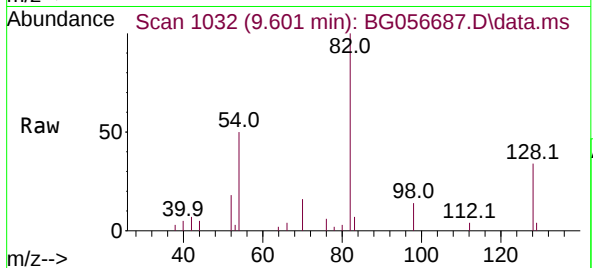
SB-01-0-2.0DL2

Tgt Ion:	82	Resp:	1431
Ion Ratio	Lower	Upper	
82	100		
128	34.0	29.4	44.2
54	50.3	37.8	56.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/22/2023



#31

Naphthalene

Concen: 6.961 ng

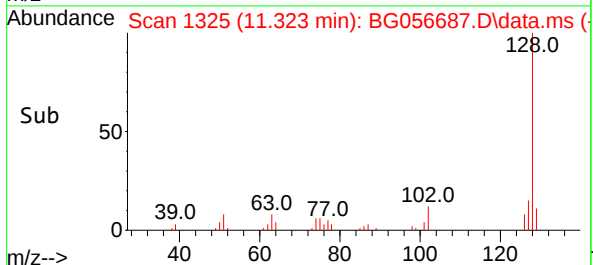
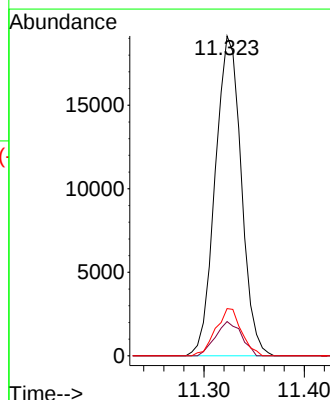
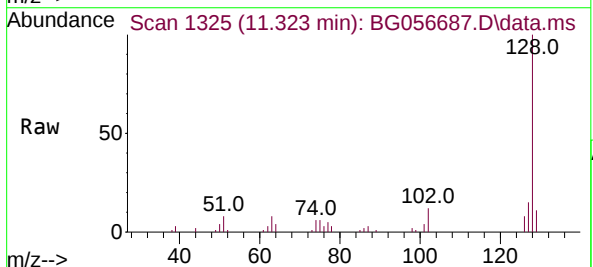
RT: 11.323 min Scan# 1325

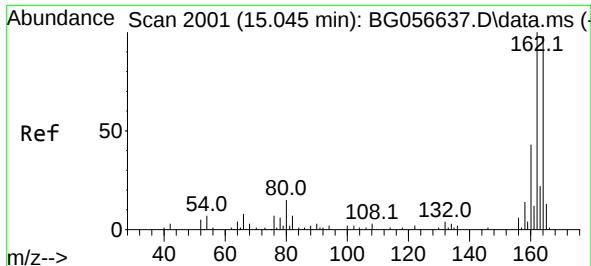
Delta R.T. 0.003 min

Lab File: BG056687.D

Acq: 21 Feb 2023 16:51

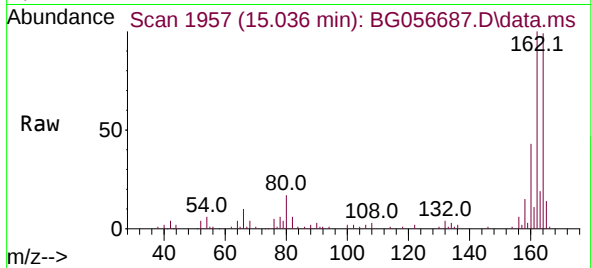
Tgt Ion:	128	Resp:	34586
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.7	13.1
127	14.8	10.9	16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.036 min Scan# 1957
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

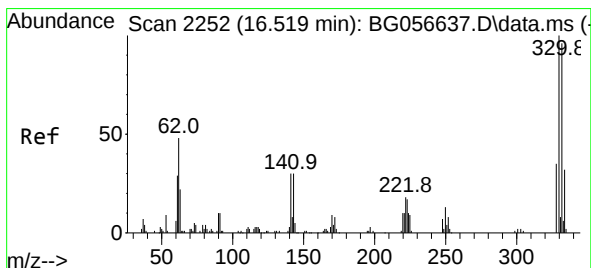
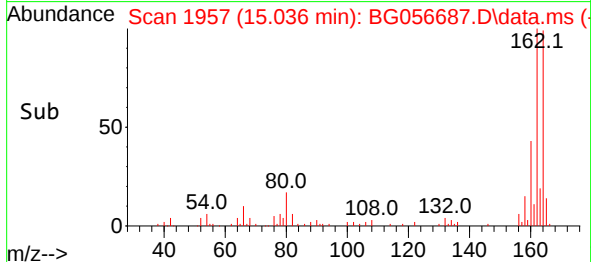
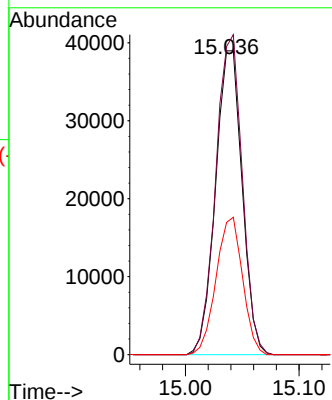
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL2



Tgt Ion:164 Resp: 63405
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 43.6 35.2 52.8

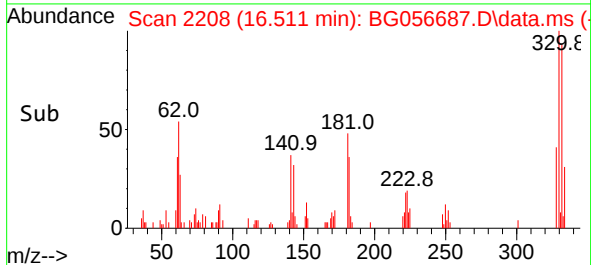
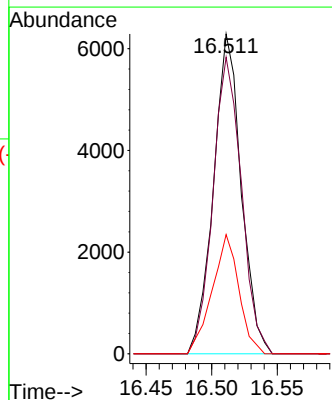
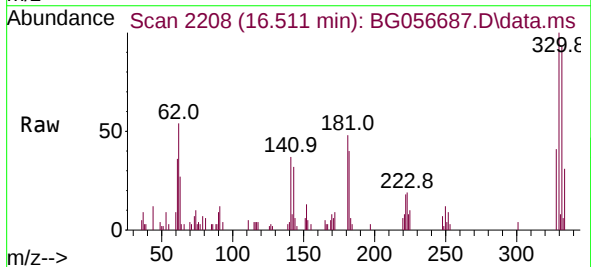
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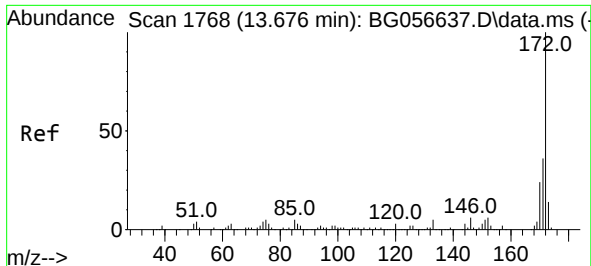
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#42
2,4,6-Tribromophenol
Concen: 10.664 ng
RT: 16.511 min Scan# 2208
Delta R.T. -0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

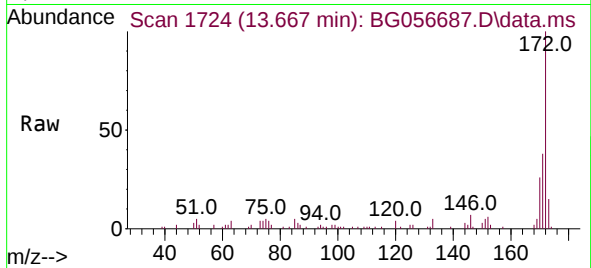
Tgt Ion:330 Resp: 9257
Ion Ratio Lower Upper
330 100
332 95.0 75.7 113.5
141 36.0 24.6 37.0





#45
2-Fluorobiphenyl
Concen: 6.711 ng
RT: 13.667 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

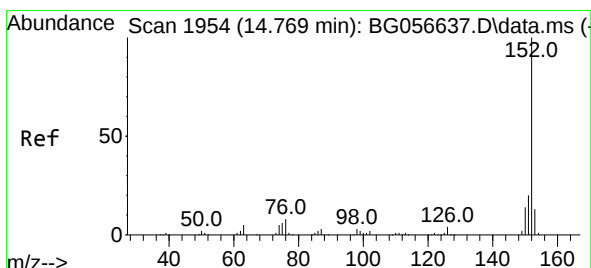
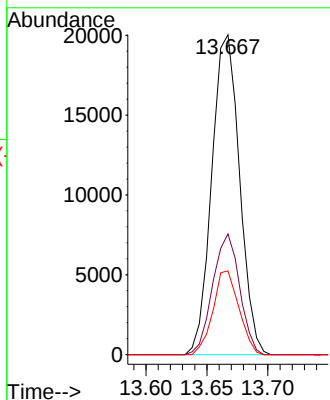
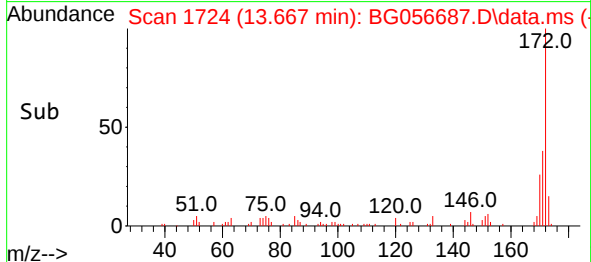
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL2



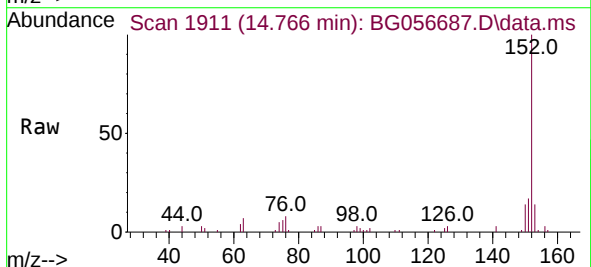
Tgt Ion:172 Resp: 31775
Ion Ratio Lower Upper
172 100
171 37.7 28.6 43.0
170 26.2 19.4 29.0

Manual Integrations
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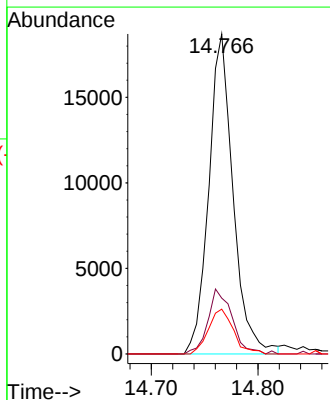
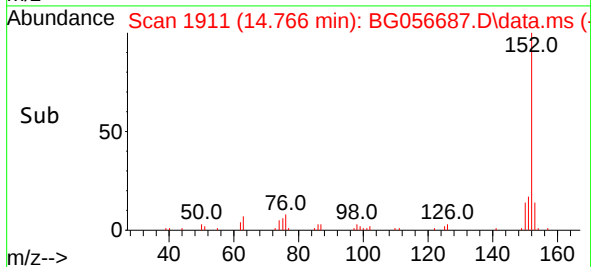
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

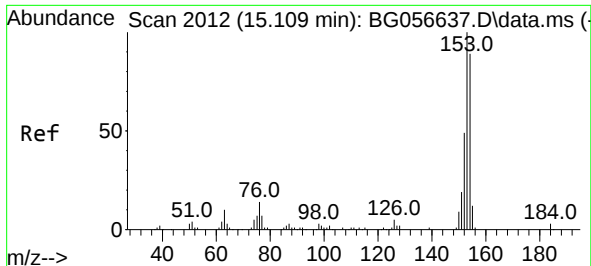


#49
Acenaphthylene
Concen: 4.808 ng
RT: 14.766 min Scan# 1911
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51



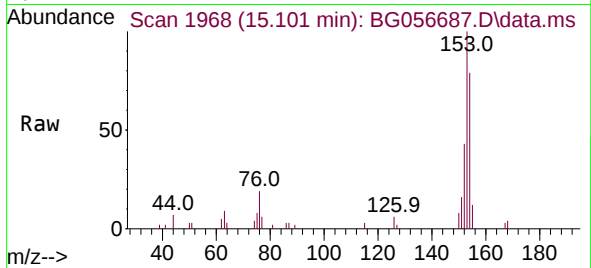
Tgt Ion:152 Resp: 29691
Ion Ratio Lower Upper
152 100
151 17.4 15.6 23.4
153 14.0 10.3 15.5





#52
Acenaphthene
Concen: 2.537 ng
RT: 15.101 min Scan# 1968
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

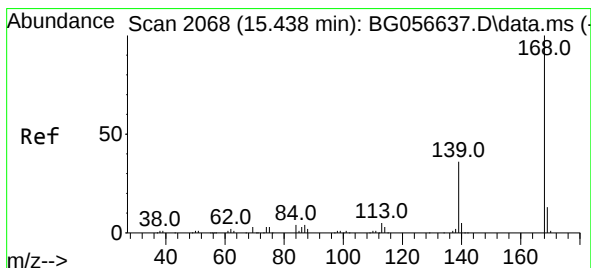
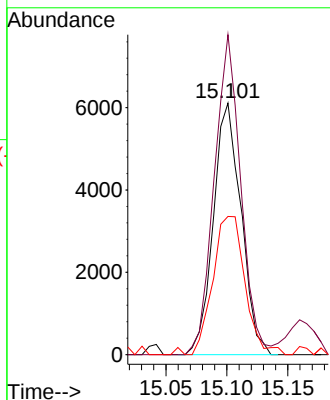
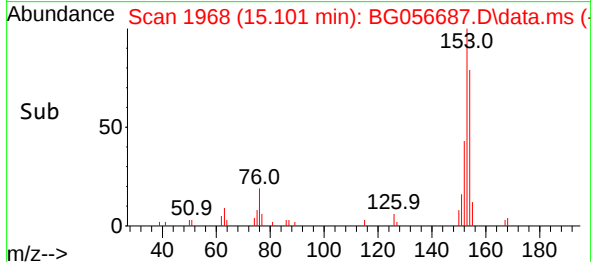
Instrument :
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ClientSampleId :
SB-01-0-2.0DL2



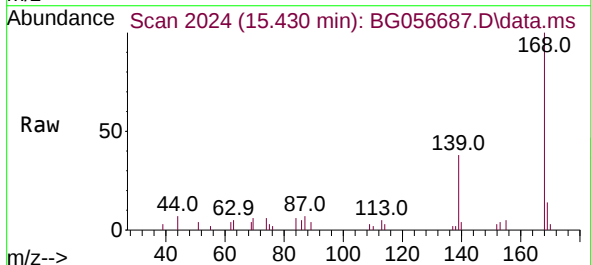
Tgt Ion:154 Resp: 9663
Ion Ratio Lower Upper
154 100
153 127.2 89.5 134.3
152 54.9 43.7 65.5

Manual Integrations
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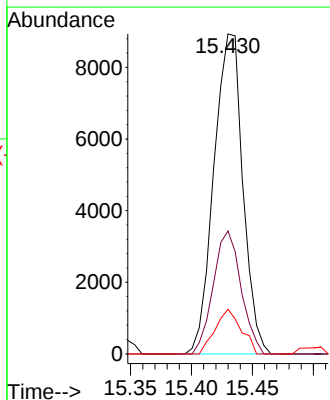
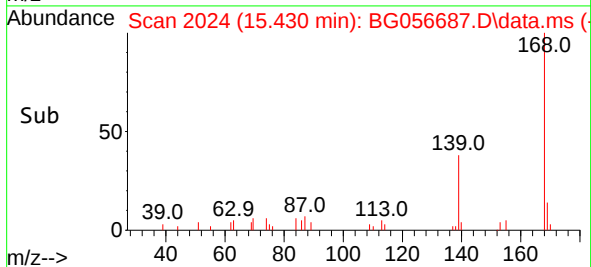
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

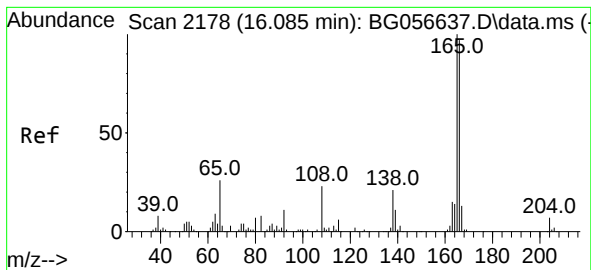


#55
Dibenzofuran
Concen: 2.297 ng
RT: 15.430 min Scan# 2024
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51



Tgt Ion:168 Resp: 14785
Ion Ratio Lower Upper
168 100
139 38.4 29.0 43.6
169 13.9 10.7 16.1





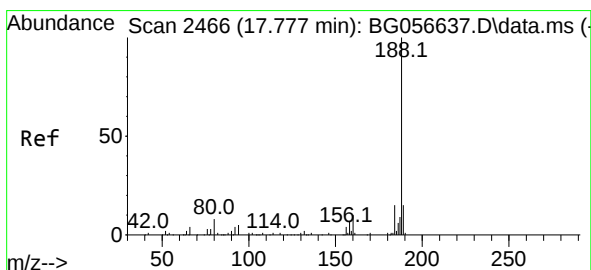
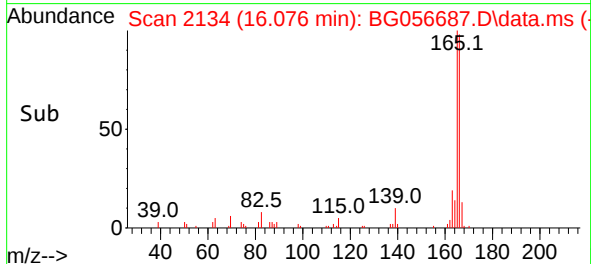
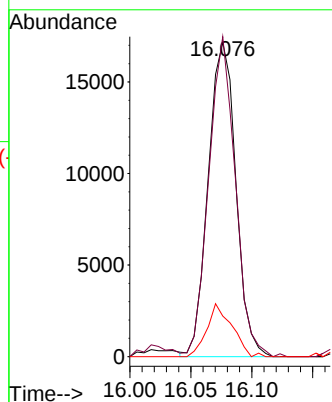
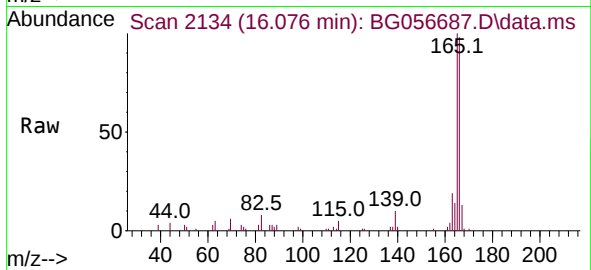
#58
Fluorene
Concen: 5.324 ng
RT: 16.076 min Scan# 2178
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL2

Tgt Ion:166 Resp: 27089
Ion Ratio Lower Upper
166 100
165 101.8 82.9 124.3
167 12.9 11.1 16.7

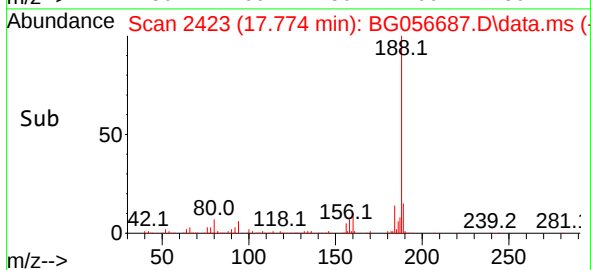
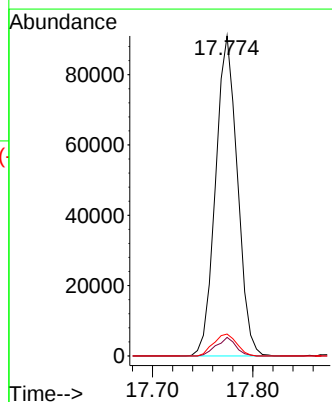
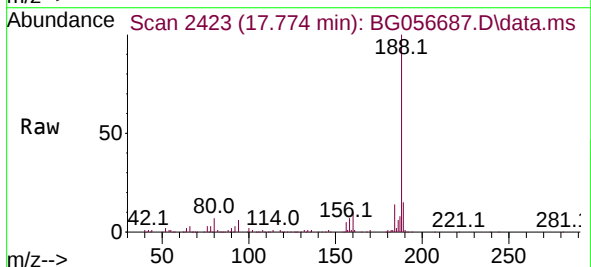
Manual Integrations
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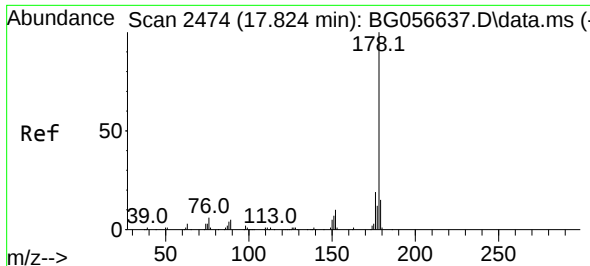
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.774 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

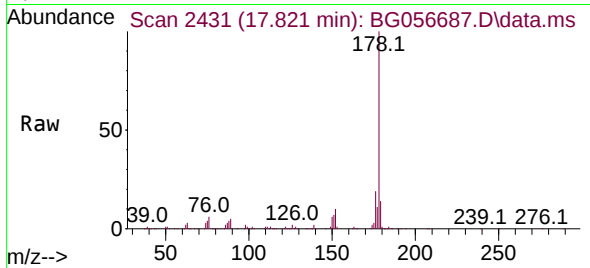
Tgt Ion:188 Resp: 137635
Ion Ratio Lower Upper
188 100
94 5.8 4.0 6.0
80 6.8 6.3 9.5





#71
Phenanthrene
Concen: 46.056 ng
RT: 17.821 min Scan# 2474
Delta R.T. 0.009 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

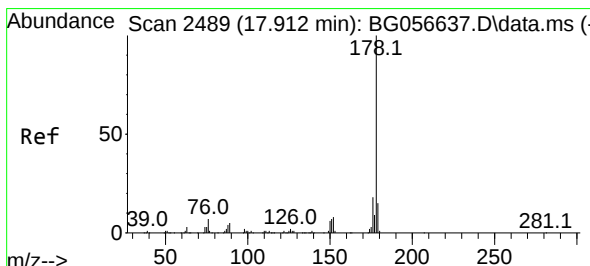
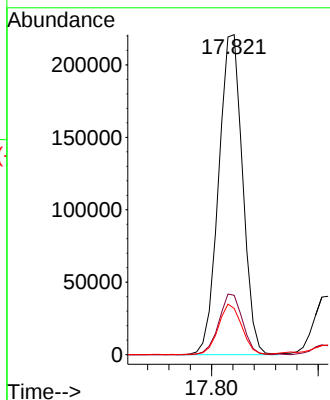
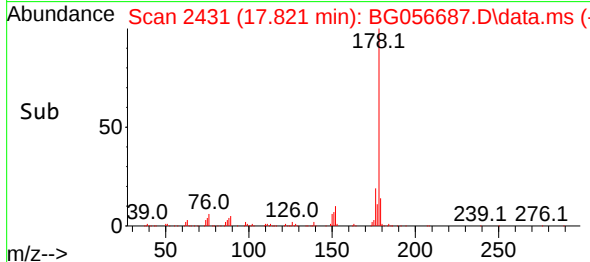
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL2



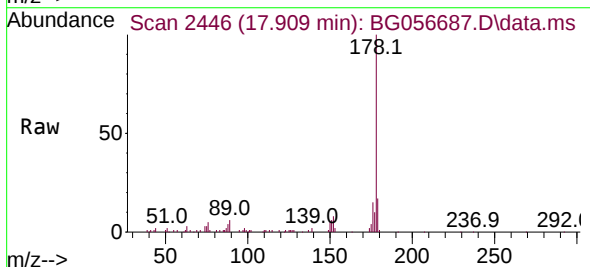
Tgt Ion:178 Resp: 344869
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 14.4 12.2 18.4

Manual Integrations
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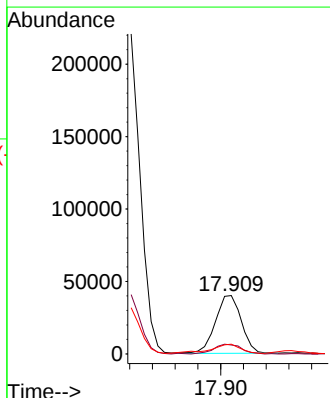
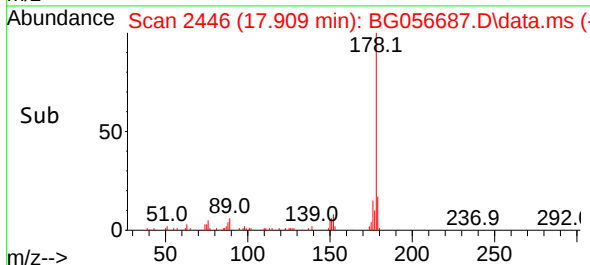
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

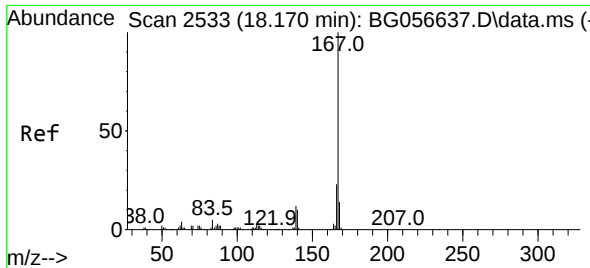


#72
Anthracene
Concen: 8.217 ng
RT: 17.909 min Scan# 2446
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51



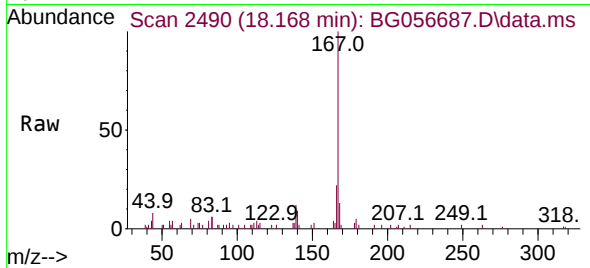
Tgt Ion:178 Resp: 62956
Ion Ratio Lower Upper
178 100
176 15.2 14.3 21.5
179 16.7 12.2 18.4





#73
 Carbazole
 Concen: 2.319 ng
 RT: 18.168 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: BG056687.D
 Acq: 21 Feb 2023 16:51

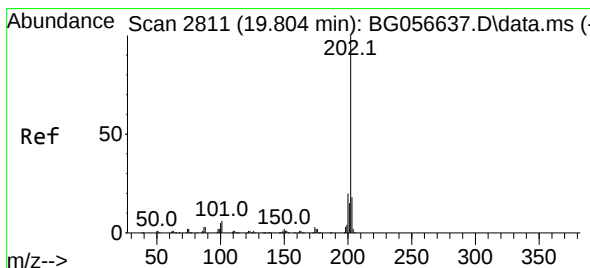
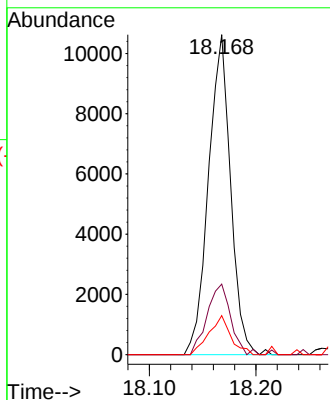
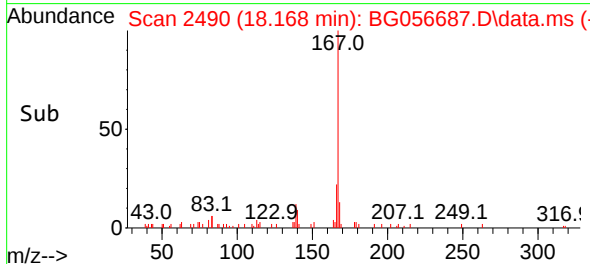
Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0DL2



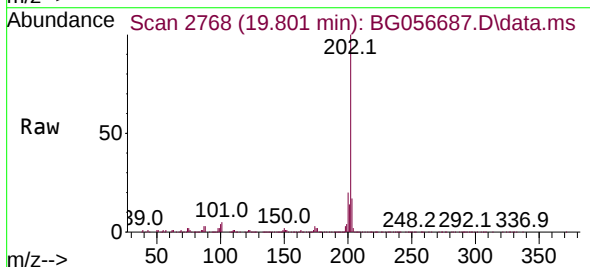
Tgt Ion:167 Resp: 1531
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.1 27.1
 139 12.2 9.4 14.0

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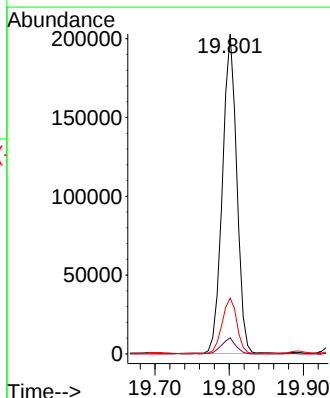
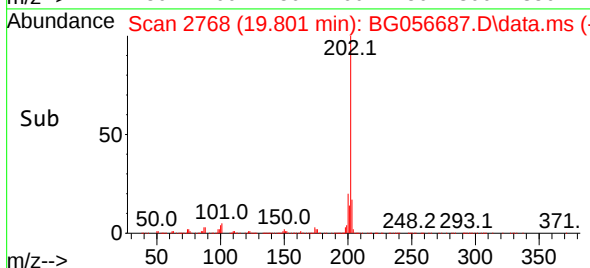
Reviewed By :Christian Giraldo 02/22/2023
 Supervised By :Jagrut Upadhyay 02/22/2023

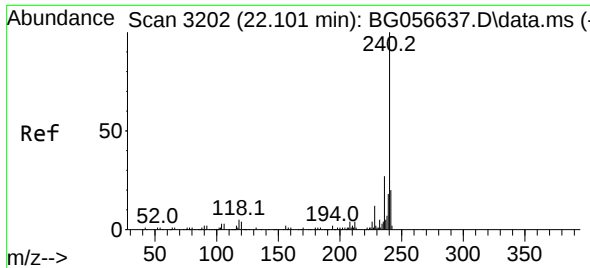


#75
 Fluoranthene
 Concen: 27.547 ng
 RT: 19.801 min Scan# 2768
 Delta R.T. 0.003 min
 Lab File: BG056687.D
 Acq: 21 Feb 2023 16:51



Tgt Ion:202 Resp: 272168
 Ion Ratio Lower Upper
 202 100
 101 5.0 0.0 25.8
 203 17.4 0.0 37.6





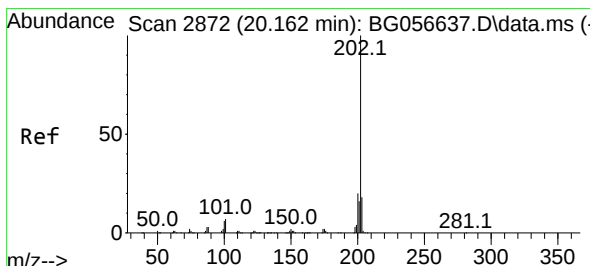
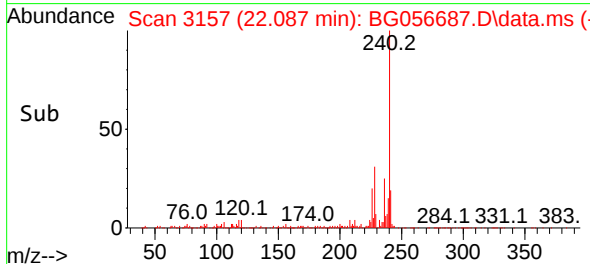
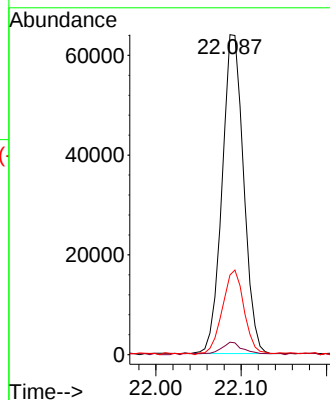
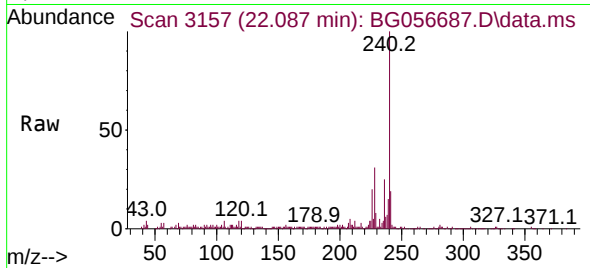
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.087 min Scan# 311
Delta R.T. -0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL2

Tgt Ion:240 Resp: 111800
Ion Ratio Lower Upper
240 100
120 3.9 3.5 5.3
236 24.9 21.5 32.3

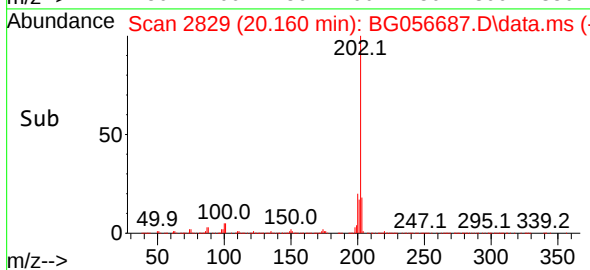
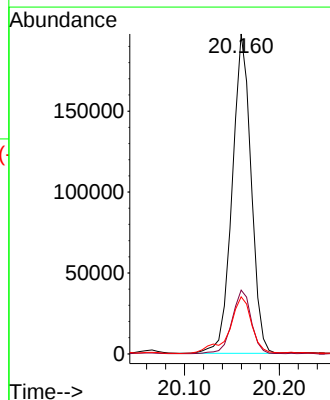
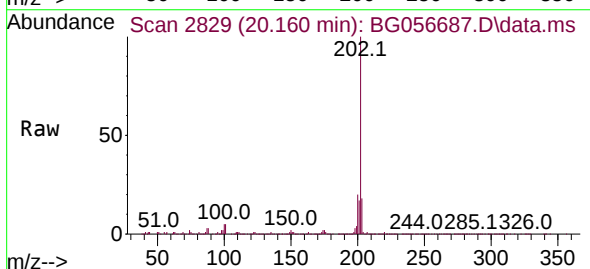
Manual Integrations
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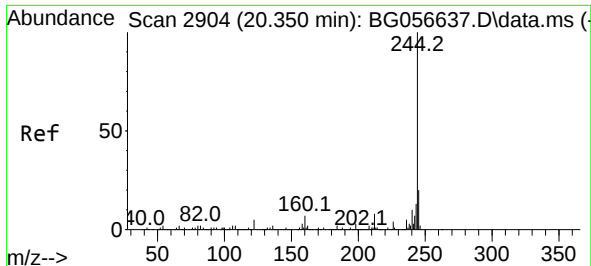
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#78
Pyrene
Concen: 32.433 ng
RT: 20.160 min Scan# 2829
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

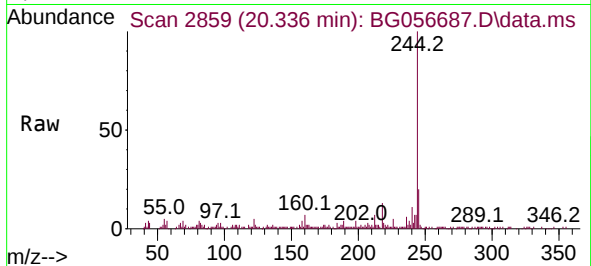
Tgt Ion:202 Resp: 273841
Ion Ratio Lower Upper
202 100
200 19.9 15.8 23.8
203 17.8 14.2 21.4





#79
 Terphenyl-d14
 Concen: 7.086 ng
 RT: 20.336 min Scan# 2859
 Delta R.T. -0.003 min
 Lab File: BG056687.D
 Acq: 21 Feb 2023 16:51

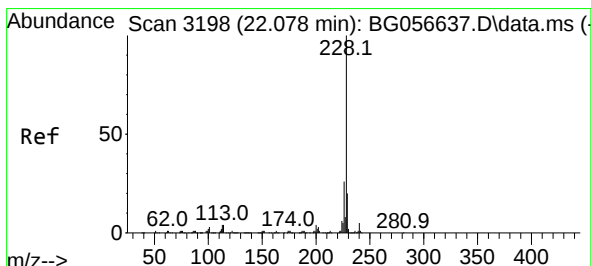
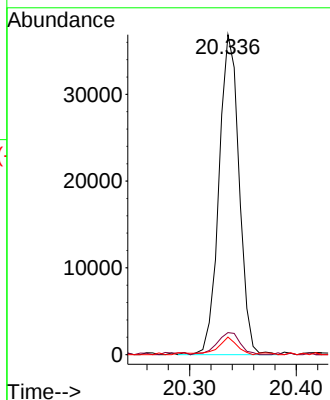
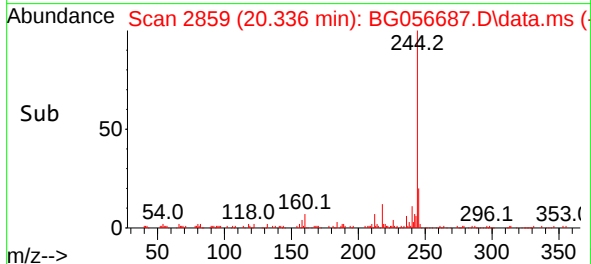
Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0DL2



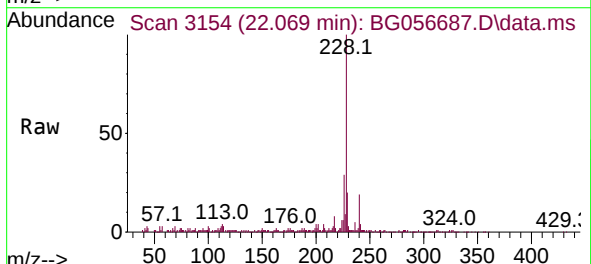
Tgt Ion:244 Resp: 48420
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 5.5 3.8 5.8

Manual Integrations
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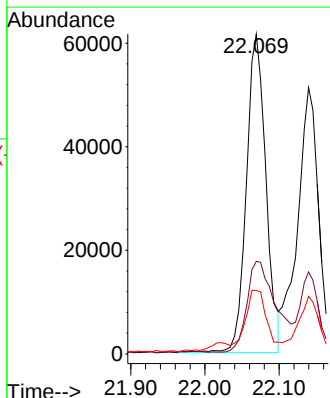
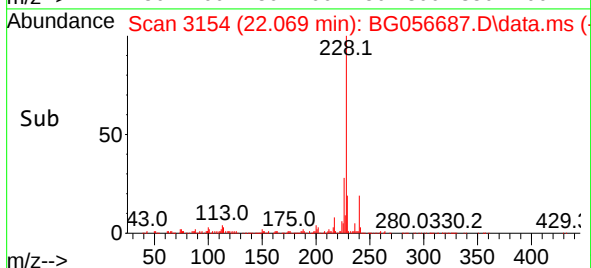
Reviewed By :Christian Giraldo 02/22/2023
 Supervised By :Jagrut Upadhyay 02/22/2023

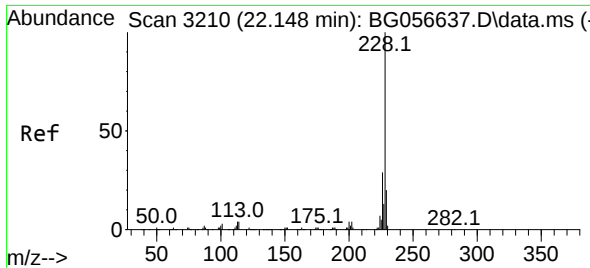


#81
 Benzo(a)anthracene
 Concen: 13.539 ng
 RT: 22.069 min Scan# 3154
 Delta R.T. 0.003 min
 Lab File: BG056687.D
 Acq: 21 Feb 2023 16:51



Tgt Ion:228 Resp: 112564
 Ion Ratio Lower Upper
 228 100
 226 28.9 20.4 30.6
 229 19.8 16.0 24.0





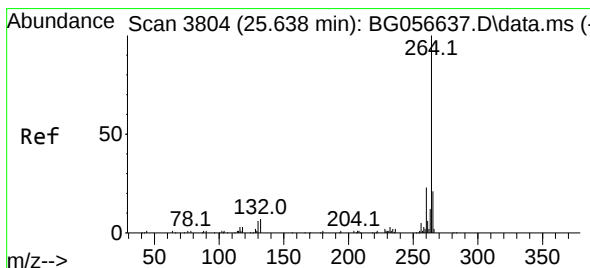
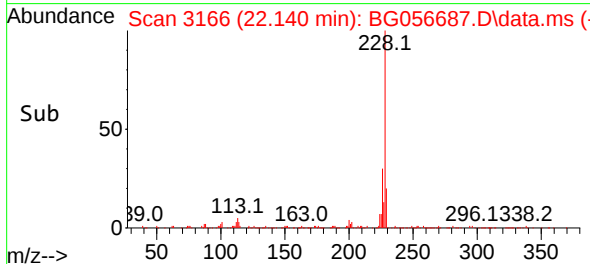
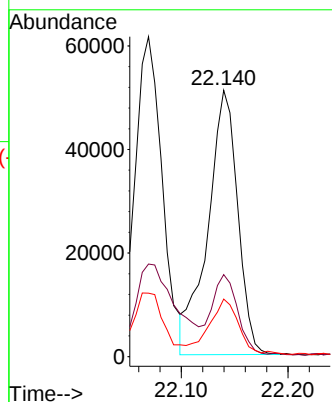
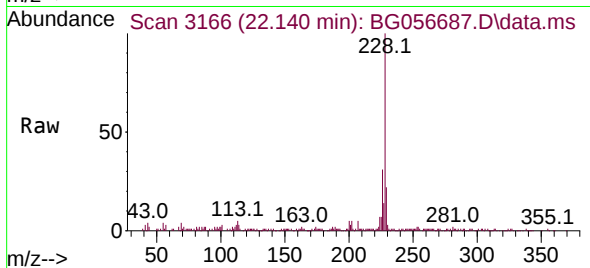
#83
Chrysene
Concen: 12.838 ng
RT: 22.140 min Scan# 3166
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL2

Tgt Ion:228 Resp: 99786
Ion Ratio Lower Upper
228 100
226 30.8 23.0 34.6
229 21.6 15.8 23.8

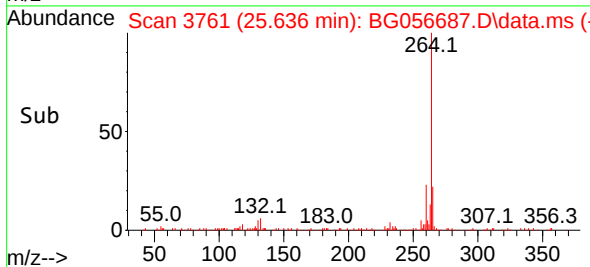
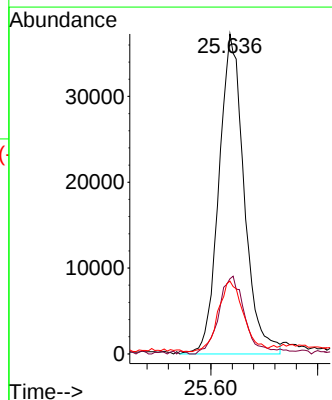
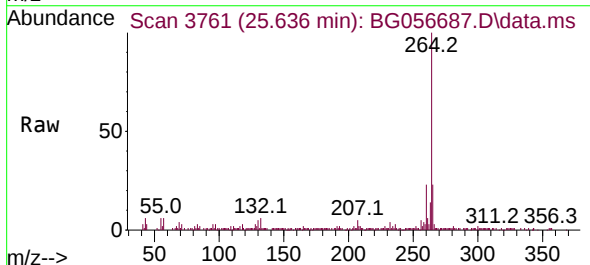
Manual Integrations
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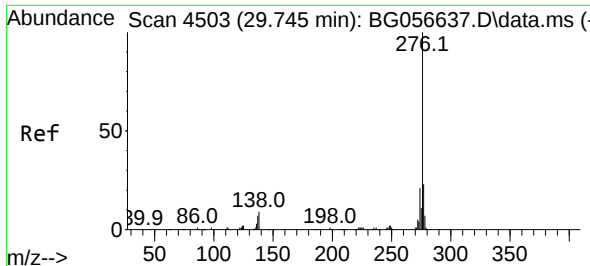
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.636 min Scan# 3761
Delta R.T. 0.015 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

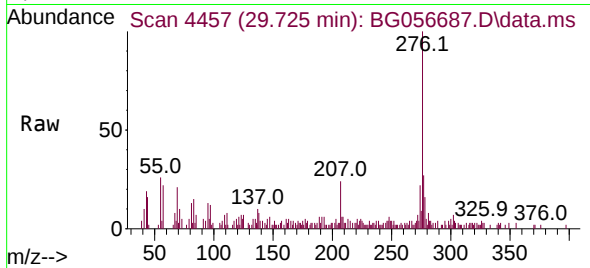
Tgt Ion:264 Resp: 122460
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 22.7 17.0 25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.873 ng
 RT: 29.725 min Scan# 44
 Delta R.T. 0.015 min
 Lab File: BG056687.D
 Acq: 21 Feb 2023 16:51

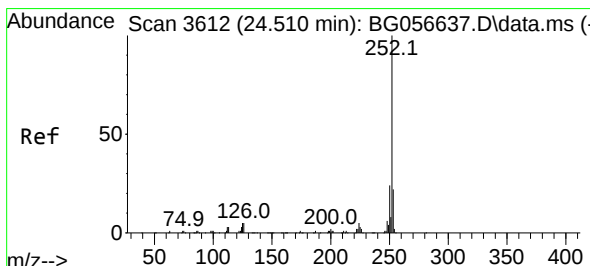
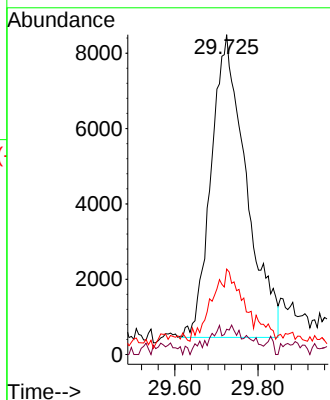
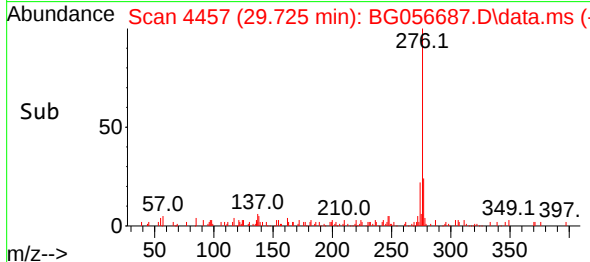
Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0DL2



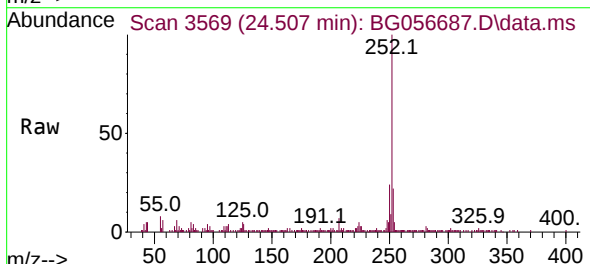
Tgt Ion:276 Resp: 46738
 Ion Ratio Lower Upper
 276 100
 138 1.4 3.8 5.8
 277 20.2 20.3 30.5

Manual Integrations
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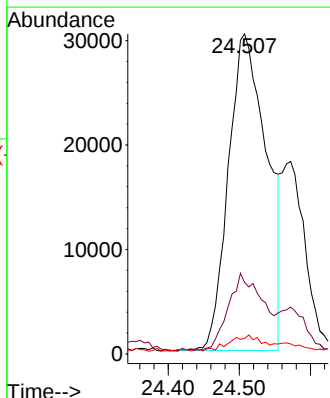
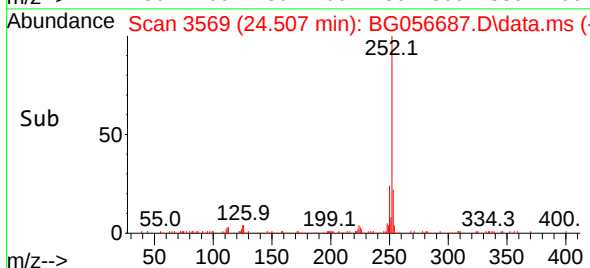
Reviewed By :Christian Giraldo 02/22/2023
 Supervised By :Jagrut Upadhyay 02/22/2023

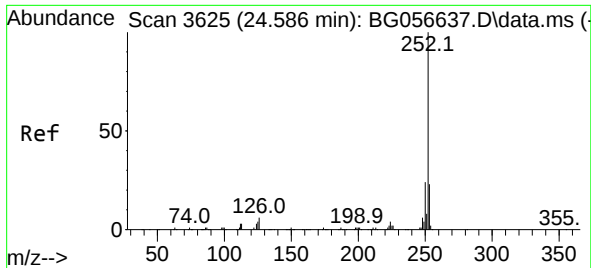


#88
 Benzo(b)fluoranthene
 Concen: 14.233 ng
 RT: 24.507 min Scan# 3569
 Delta R.T. 0.015 min
 Lab File: BG056687.D
 Acq: 21 Feb 2023 16:51



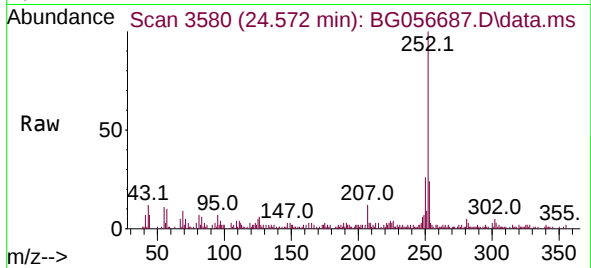
Tgt Ion:252 Resp: 113867
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.3 25.9
 125 4.8 3.7 5.5





#89
Benzo(k)fluoranthene
Concen: 5.425 ng m
RT: 24.572 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

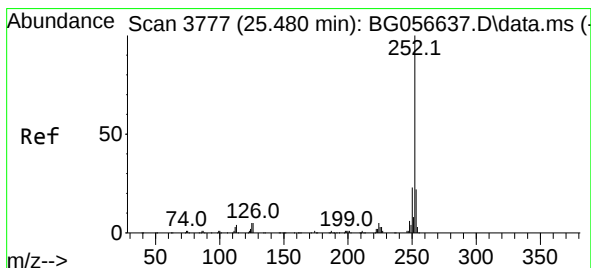
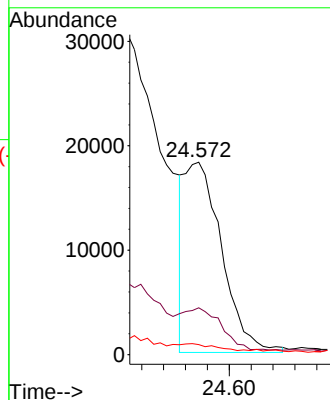
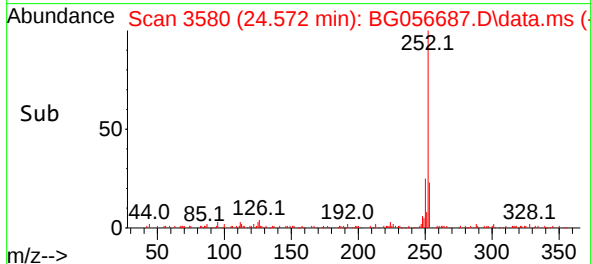
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0DL2



Tgt Ion:252 Resp: 42672
Ion Ratio Lower Upper
252 100
253 24.3 18.5 27.7
125 5.2 3.4 5.0

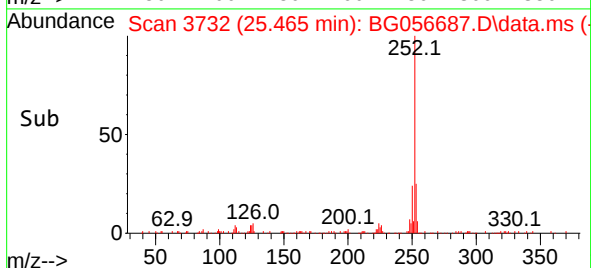
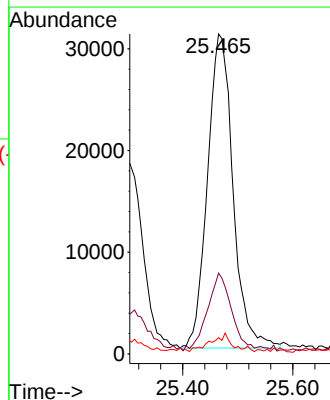
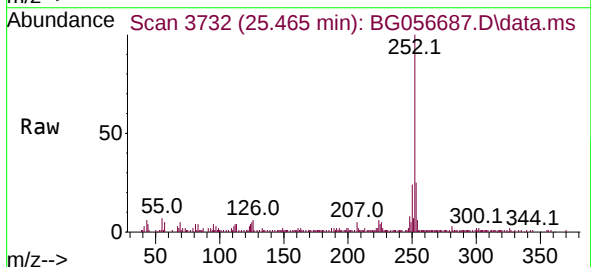
Manual Integrations
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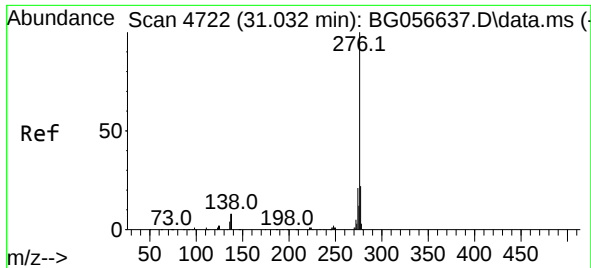
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#90
Benzo(a)pyrene
Concen: 12.934 ng
RT: 25.465 min Scan# 3732
Delta R.T. 0.003 min
Lab File: BG056687.D
Acq: 21 Feb 2023 16:51

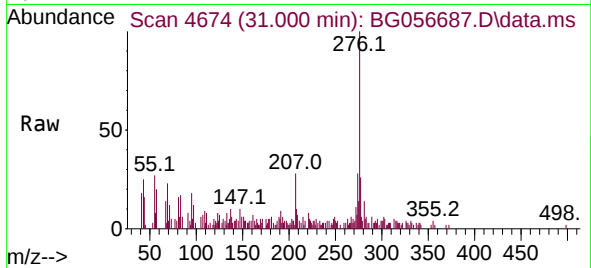
Tgt Ion:252 Resp: 99462
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 5.1 4.0 6.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.555 ng m
 RT: 31.000 min Scan# 4674
 Delta R.T. 0.003 min
 Lab File: BG056687.D
 Acq: 21 Feb 2023 16:51

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0DL2



Tgt Ion:276 Resp: 43117
 Ion Ratio Lower Upper
 276 100
 277 26.4 17.5 26.3
 138 5.8 6.4 9.6

Manual Integrations
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Reviewed By :Christian Giraldo 02/22/2023
 Supervised By :Jagrut Upadhyay 02/22/2023

