

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090822\
 Data File : BG054892.D
 Acq On : 8 Sep 2022 20:43
 Operator : CG/JU
 Sample : N4520-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 600535069

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/09/2022
 Supervised By : Jagrut Upadhyay 09/09/2022

Quant Time: Sep 09 02:52:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 09 02:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.150	152	53998	20.000	ng	0.00
21) Naphthalene-d8	10.976	136	211548	20.000	ng	0.00
39) Acenaphthene-d10	14.784	164	133711	20.000	ng	0.00
64) Phenanthrene-d10	17.533	188	273761	20.000	ng	0.00
76) Chrysene-d12	21.828	240	259833	20.000	ng	0.00
86) Perylene-d12	25.212	264	281914	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	29103	9.385	ng	0.00
7) Phenol-d6	7.304	99	37753	8.902	ng	0.00
23) Nitrobenzene-d5	9.325	82	22240	5.519	ng	0.00
42) 2,4,6-Tribromophenol	16.276	330	13654	8.172	ng	0.00
45) 2-Fluorobiphenyl	13.403	172	54336	6.108	ng	0.00
79) Terphenyl-d14	20.130	244	76529	5.836	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.029	128	24380	2.148	ng	96
52) Acenaphthene	14.848	154	19806	2.478	ng	100
58) Fluorene	15.829	166	21600	2.183	ng	95
71) Phenanthrene	17.574	178	189555	12.998	ng	98
72) Anthracene	17.668	178	53807	3.795	ng	98
73) Carbazole	17.933	167	27291	2.089	ng	98
75) Fluoranthene	19.578	202	260556	14.687	ng	98
78) Pyrene	19.942	202	232020	12.806	ng	98
81) Benzo(a)anthracene	21.811	228	128568	7.298	ng	100
83) Chrysene	21.875	228	111750	6.634	ng	98
87) Indeno(1,2,3-cd)pyrene	29.114	276	68533	3.202	ng	95
88) Benzo(b)fluoranthene	24.131	252	152297	8.612	ng	# 93
89) Benzo(k)fluoranthene	24.190	252	53120m	2.985	ng	
90) Benzo(a)pyrene	25.048	252	115590	7.650	ng	96
92) Benzo(g,h,i)perylene	30.330	276	67669	3.842	ng	97

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

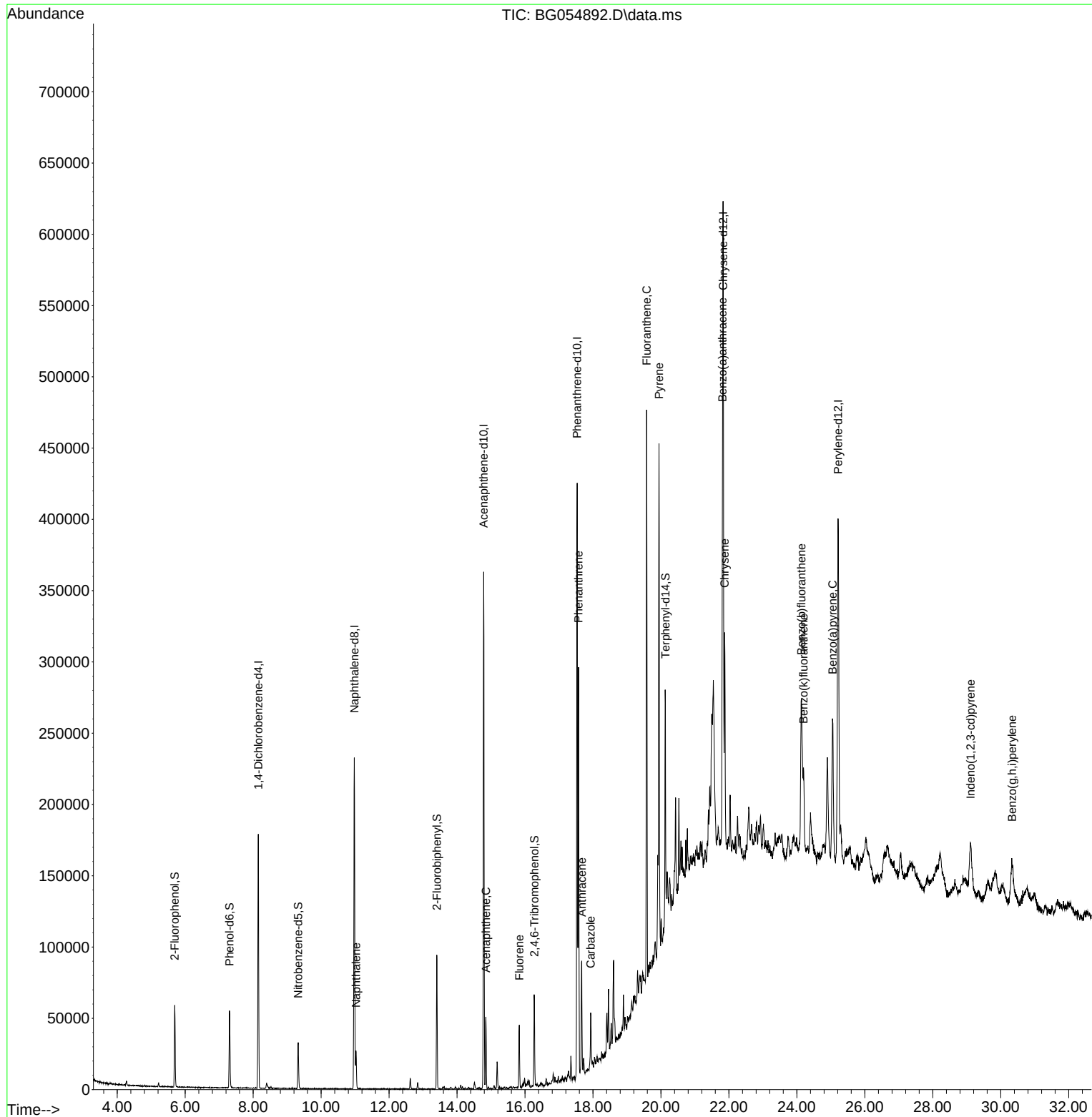
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090822\
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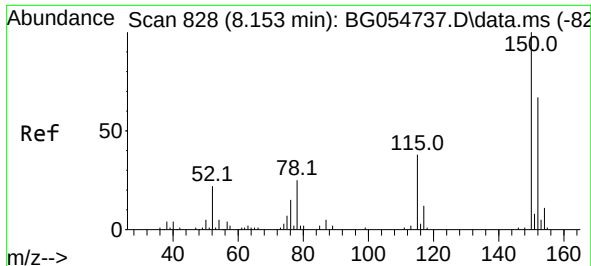
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Quant Time: Sep 09 02:52:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
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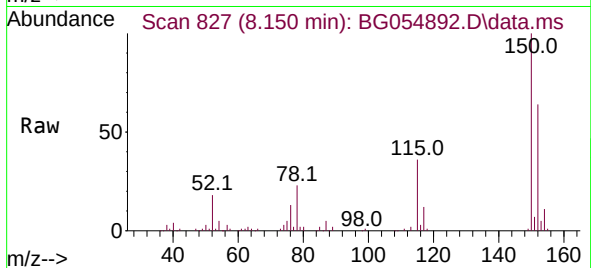
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.150 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

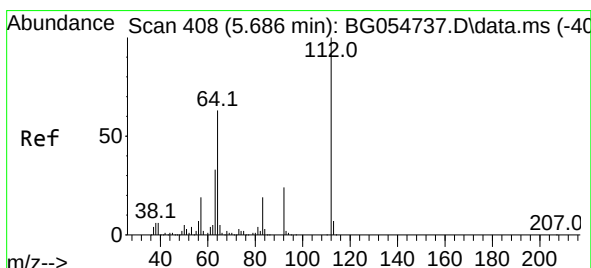
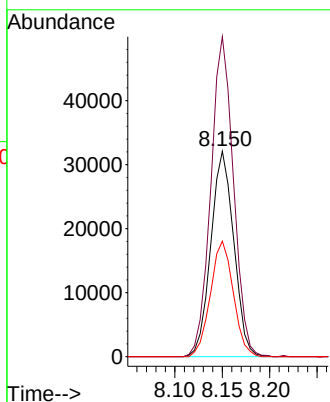
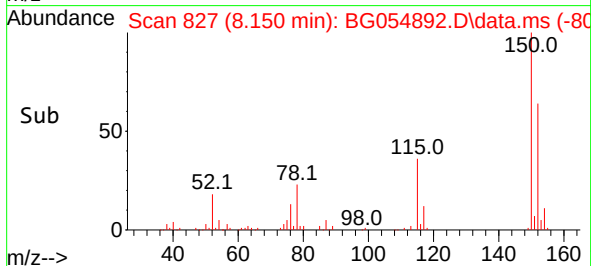
Instrument :
BNA_G
ClientSampleId :
600535069



Tgt Ion:152 Resp: 53998
Ion Ratio Lower Upper
152 100
150 155.8 125.2 187.8
115 56.2 47.9 71.9

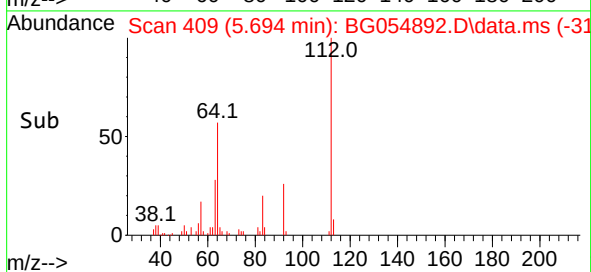
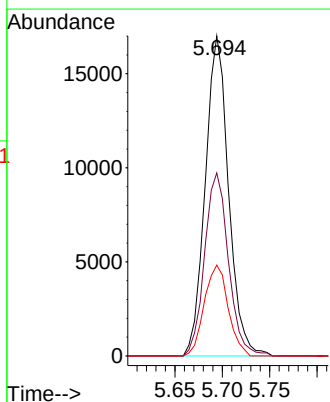
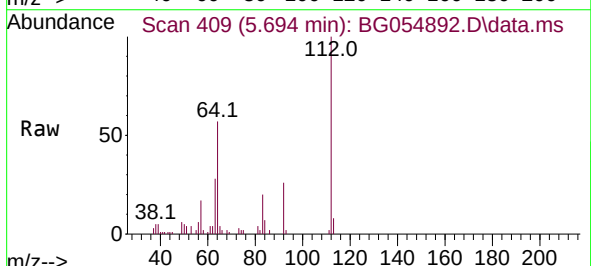
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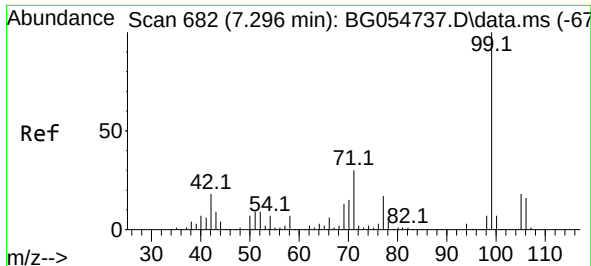
Reviewed By :Christian Giraldo 09/09/2022
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#5
2-Fluorophenol
Concen: 9.385 ng
RT: 5.694 min Scan# 409
Delta R.T. 0.010 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

Tgt Ion:112 Resp: 29103
Ion Ratio Lower Upper
112 100
64 57.2 49.3 73.9
63 28.4 26.3 39.5





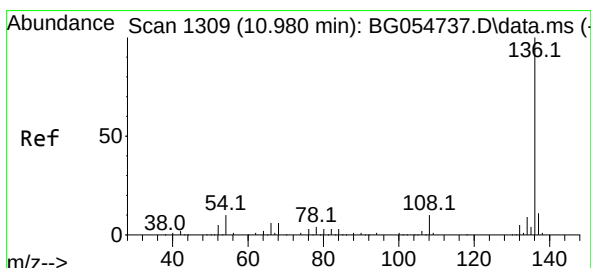
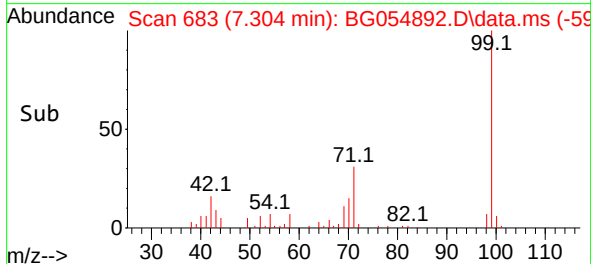
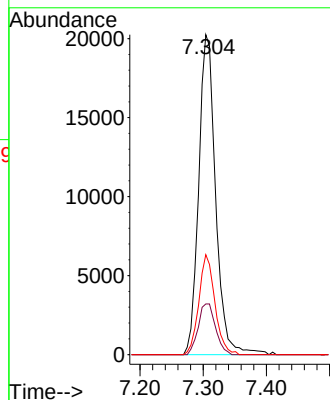
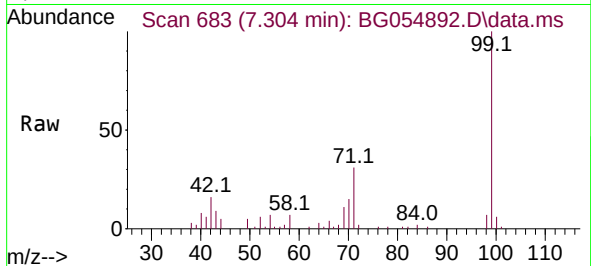
#7
Phenol-d6
Concen: 8.902 ng
RT: 7.304 min Scan# 682
Delta R.T. -0.002 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

Instrument :
BNA_G
ClientSampleId :
600535069

Tgt Ion: 99 Resp: 3775
Ion Ratio Lower Upper
99 100
42 15.8 14.6 22.0
71 31.2 24.6 37.0

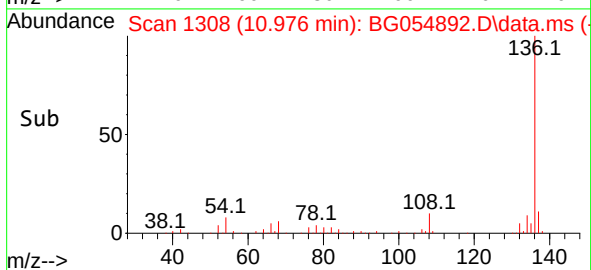
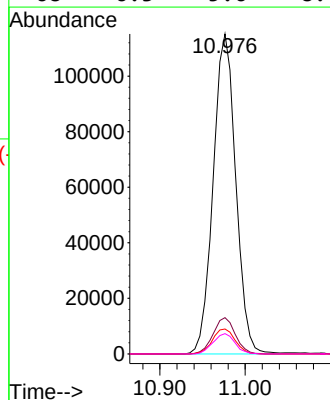
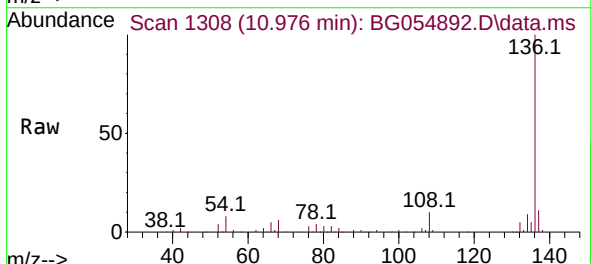
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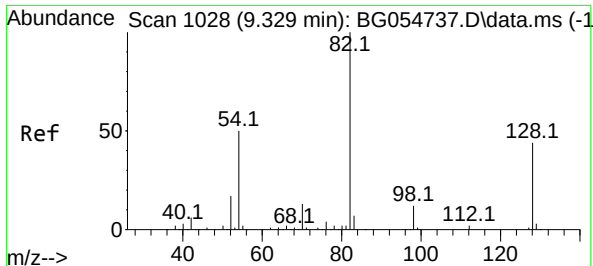
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Supervised By :Jagrut Upadhyay 09/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.976 min Scan# 1308
Delta R.T. -0.002 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

Tgt Ion:136 Resp: 211548
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 7.8 7.7 11.5
68 6.3 5.6 8.4





#23

Nitrobenzene-d5

Concen: 5.519 ng

RT: 9.325 min Scan# 1028

Delta R.T. -0.002 min

Lab File: BG054892.D

Acq: 8 Sep 2022 20:43

Instrument :

BNA_G

ClientSampleId :

600535069

Tgt Ion: 82 Resp: 22240

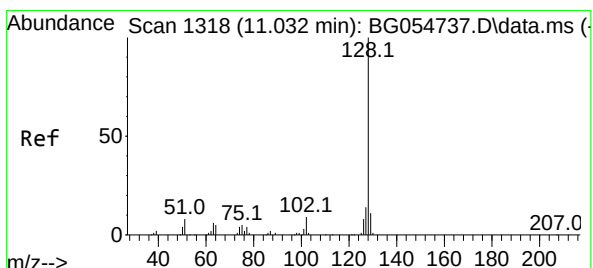
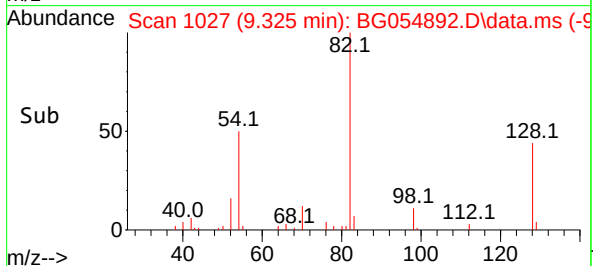
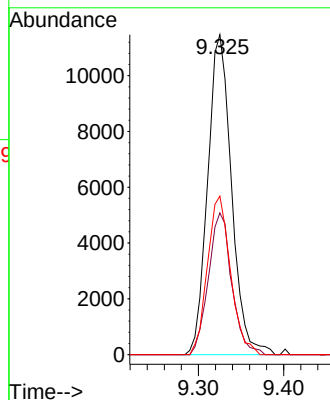
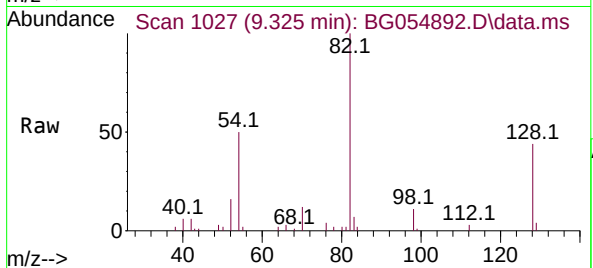
Ion	Ratio	Lower	Upper
82	100		
128	44.3	32.2	48.2
54	49.5	41.4	62.0

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#31

Naphthalene

Concen: 2.148 ng

RT: 11.029 min Scan# 1317

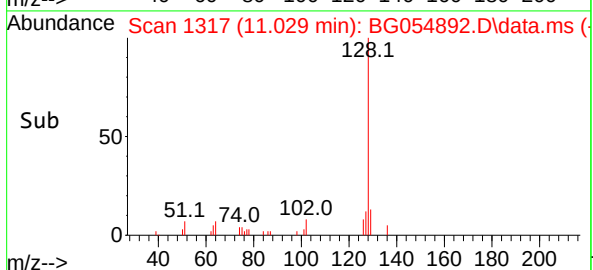
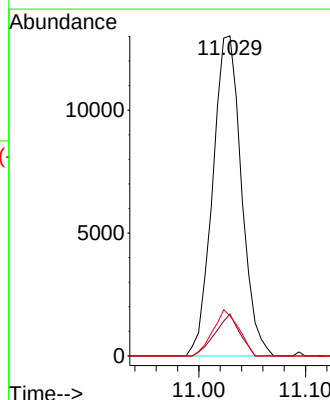
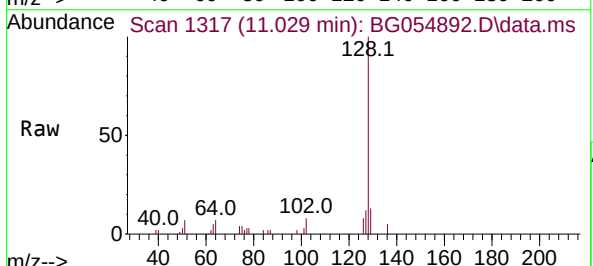
Delta R.T. -0.002 min

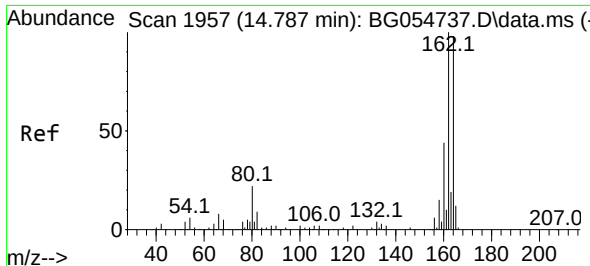
Lab File: BG054892.D

Acq: 8 Sep 2022 20:43

Tgt Ion:128 Resp: 24380

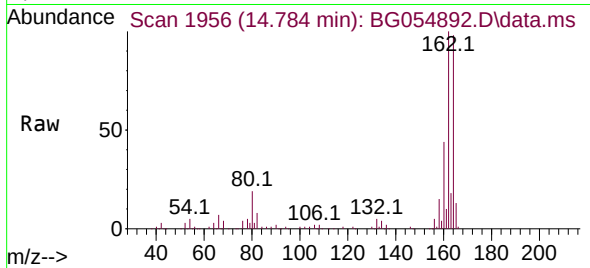
Ion	Ratio	Lower	Upper
128	100		
129	13.1	9.0	13.4
127	12.5	11.1	16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.784 min Scan# 1956
Delta R.T. -0.008 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

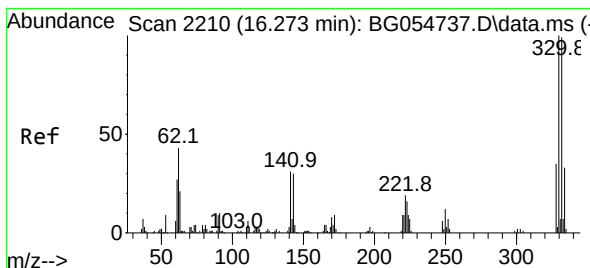
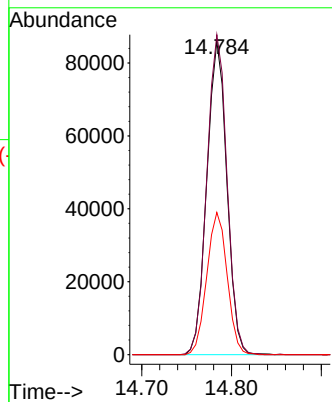
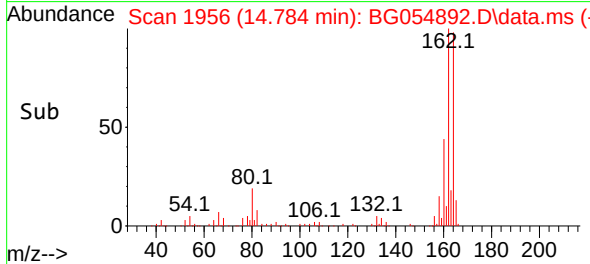
Instrument :
BNA_G
ClientSampleId :
600535069



Tgt Ion:164 Resp: 133711
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.4
160 45.4 38.0 57.0

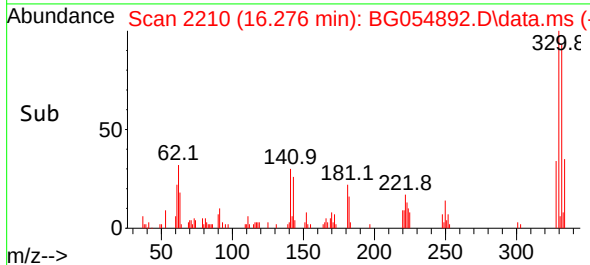
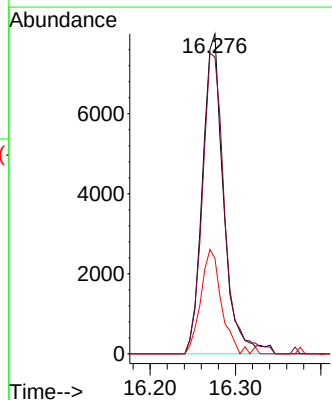
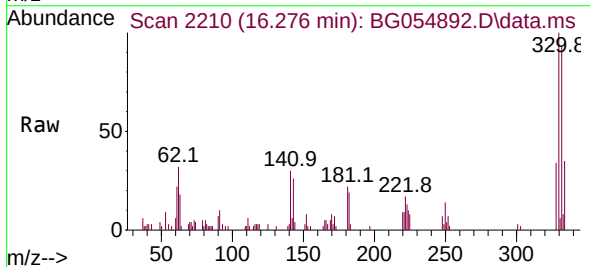
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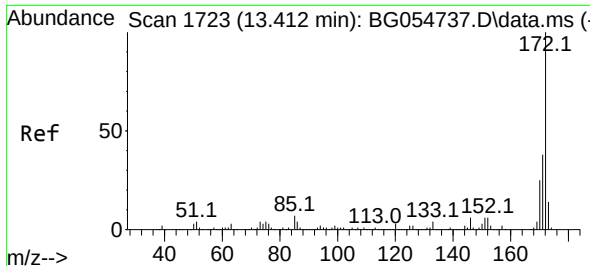
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022



#42
2,4,6-Tribromophenol
Concen: 8.172 ng
RT: 16.276 min Scan# 2210
Delta R.T. -0.002 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

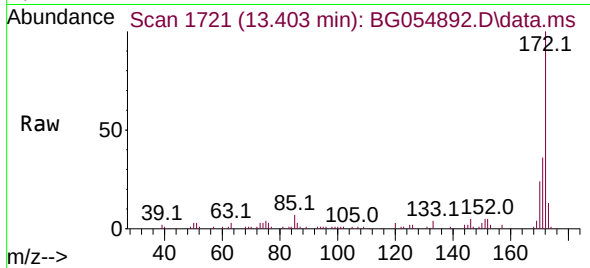
Tgt Ion:330 Resp: 13654
Ion Ratio Lower Upper
330 100
332 98.9 79.8 119.6
141 32.5 26.8 40.2





#45
2-Fluorobiphenyl
Concen: 6.108 ng
RT: 13.403 min Scan# 1721
Delta R.T. -0.008 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

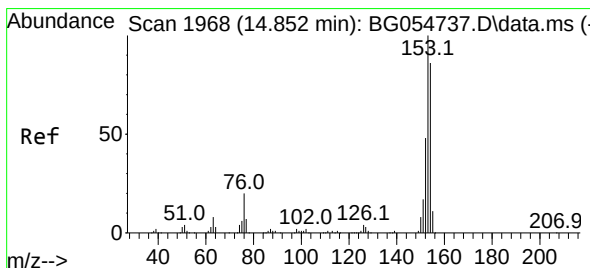
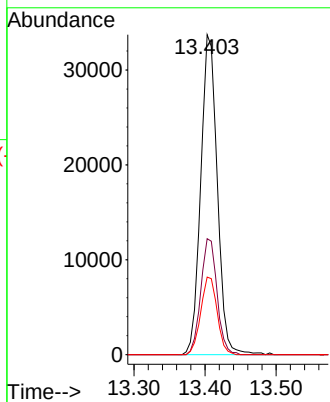
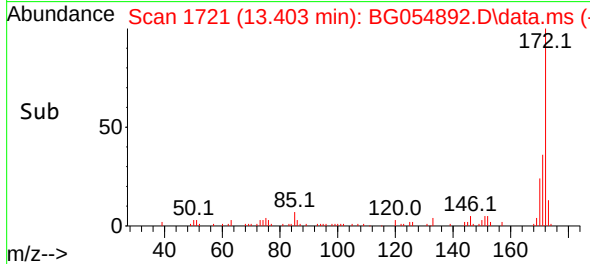
Instrument :
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600535069



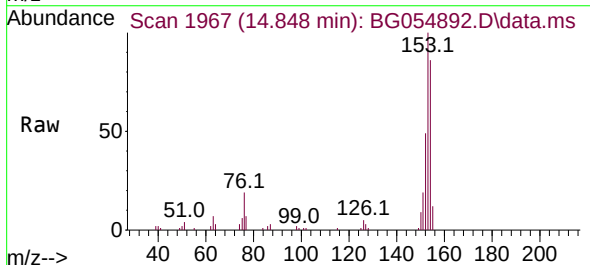
Tgt Ion:172 Resp: 54336
Ion Ratio Lower Upper
172 100
171 36.2 31.2 46.8
170 24.2 20.6 30.8

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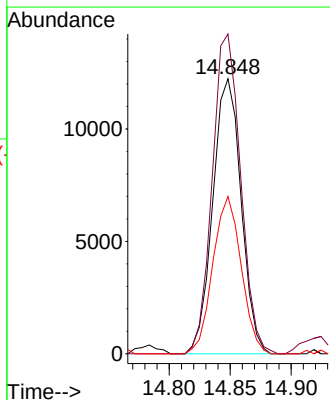
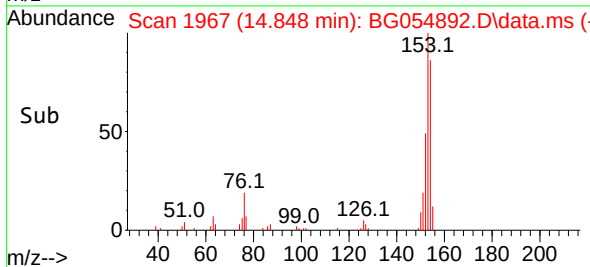
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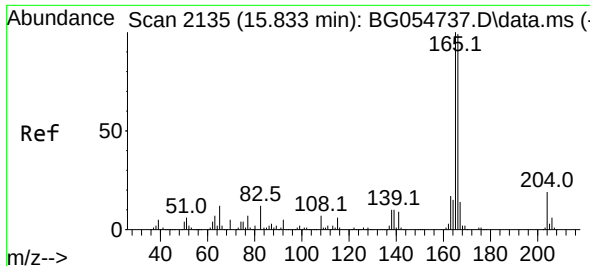


#52
Acenaphthene
Concen: 2.478 ng
RT: 14.848 min Scan# 1967
Delta R.T. -0.008 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43



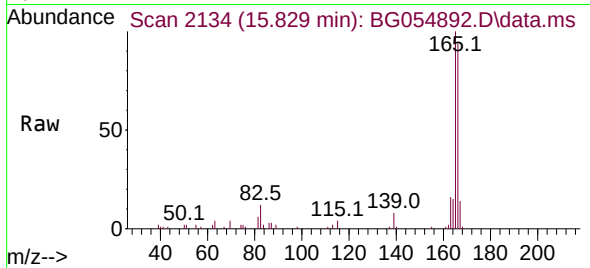
Tgt Ion:154 Resp: 19806
Ion Ratio Lower Upper
154 100
153 116.3 92.8 139.2
152 57.2 45.4 68.2





#58
Fluorene
Concen: 2.183 ng
RT: 15.829 min Scan# 2135
Delta R.T. -0.008 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

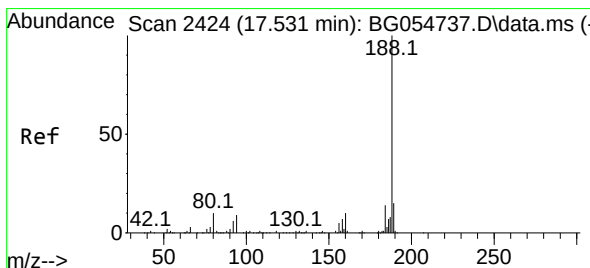
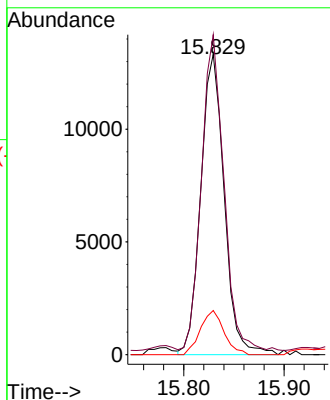
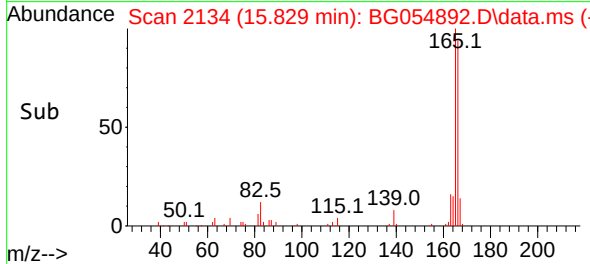
Instrument :
BNA_G
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600535069



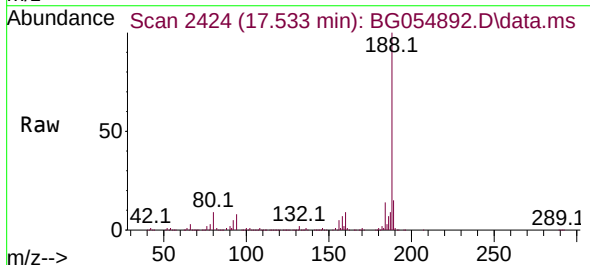
Tgt Ion:166 Resp: 21600
Ion Ratio Lower Upper
166 100
165 106.5 80.8 121.2
167 14.7 11.4 17.0

Manual Integrations
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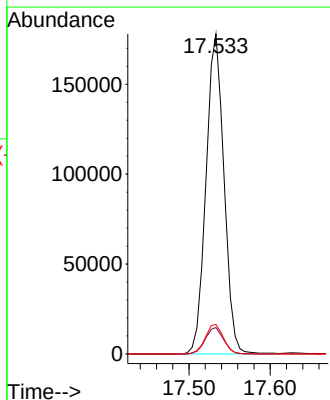
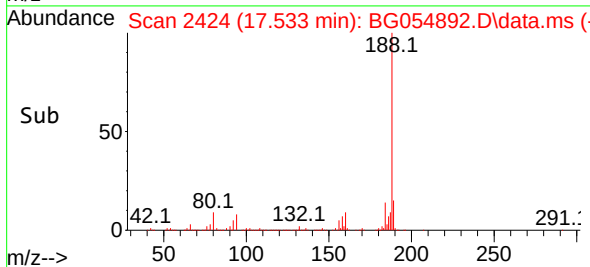
Reviewed By :Christian Giraldo 09/09/2022
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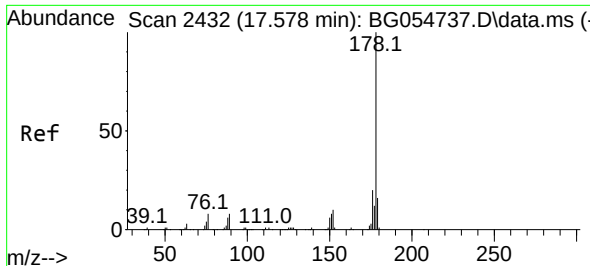


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.533 min Scan# 2424
Delta R.T. -0.002 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43



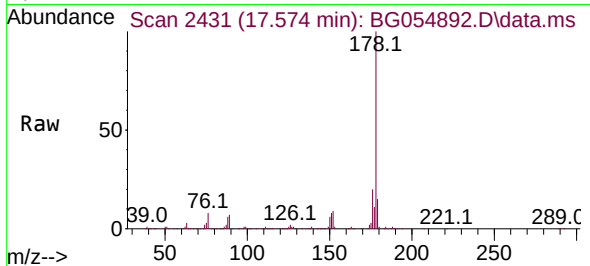
Tgt Ion:188 Resp: 273761
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 9.2 7.9 11.9





#71
Phenanthrene
Concen: 12.998 ng
RT: 17.574 min Scan# 2432
Delta R.T. -0.008 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

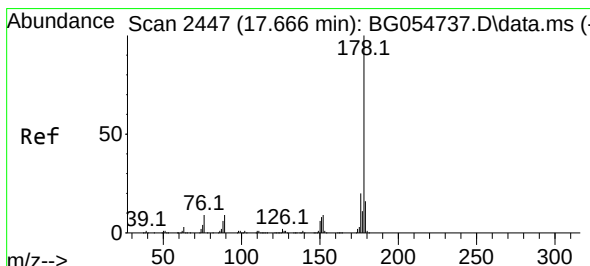
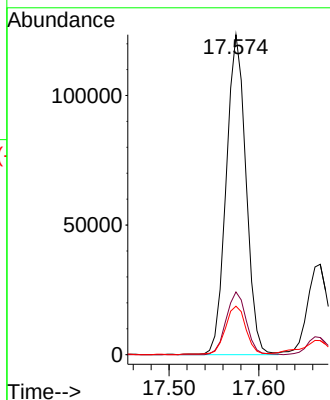
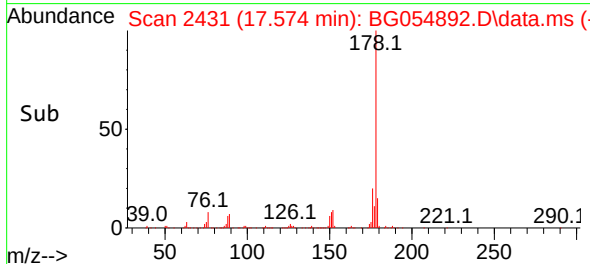
Instrument :
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ClientSampleId :
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Tgt Ion:178 Resp: 18955
Ion Ratio Lower Upper
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179 15.1 12.8 19.2

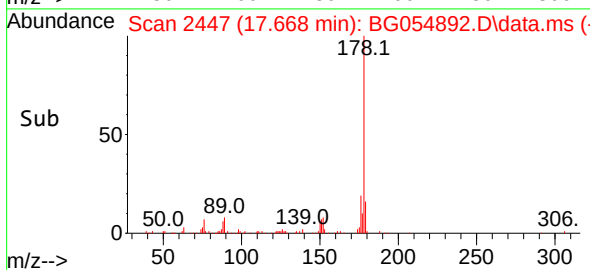
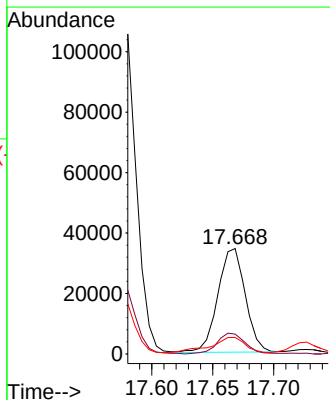
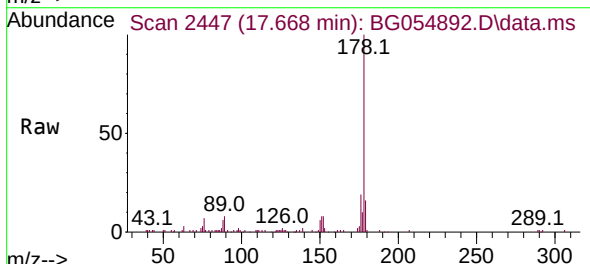
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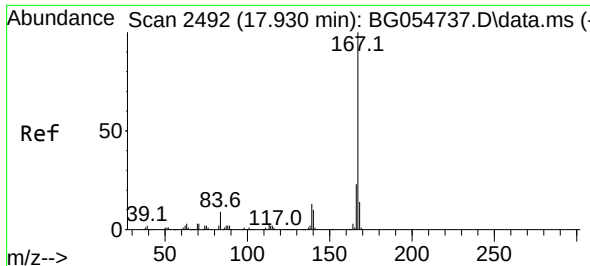
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022



#72
Anthracene
Concen: 3.795 ng
RT: 17.668 min Scan# 2447
Delta R.T. -0.002 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

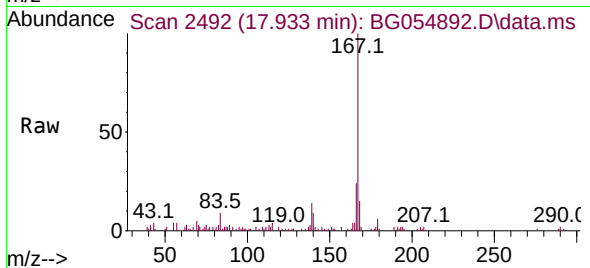
Tgt Ion:178 Resp: 53807
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.6 12.9 19.3





#73
 Carbazole
 Concen: 2.089 ng
 RT: 17.933 min Scan# 2492
 Delta R.T. -0.008 min
 Lab File: BG054892.D
 Acq: 8 Sep 2022 20:43

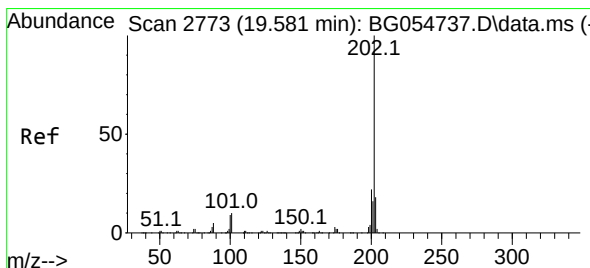
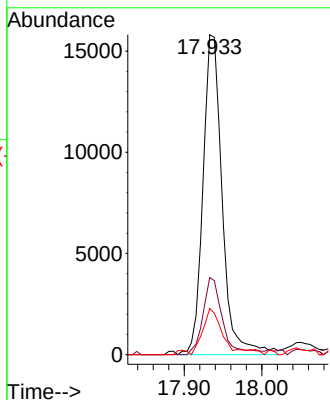
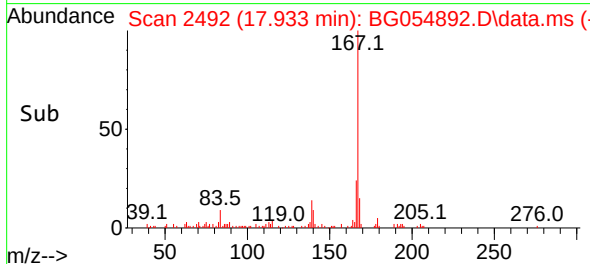
Instrument :
 BNA_G
 ClientSampleId :
 600535069



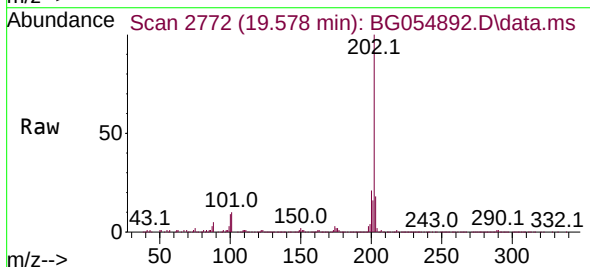
Tgt Ion:167 Resp: 27291
 Ion Ratio Lower Upper
 167 100
 166 24.1 18.8 28.2
 139 14.4 10.2 15.4

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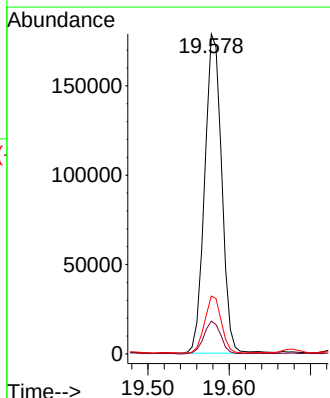
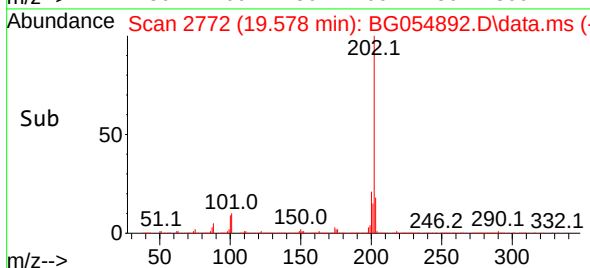
Reviewed By :Christian Giraldo 09/09/2022
 Supervised By :Jagrut Upadhyay 09/09/2022

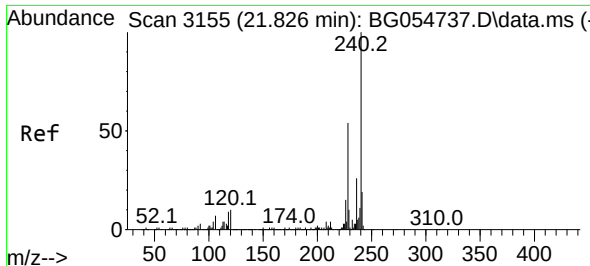


#75
 Fluoranthene
 Concen: 14.687 ng
 RT: 19.578 min Scan# 2772
 Delta R.T. -0.008 min
 Lab File: BG054892.D
 Acq: 8 Sep 2022 20:43



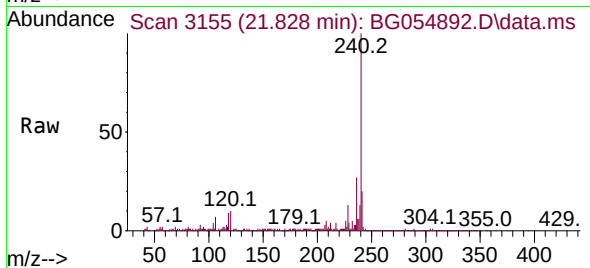
Tgt Ion:202 Resp: 260556
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 31.4
 203 18.1 0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.828 min Scan# 3155
Delta R.T. -0.008 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

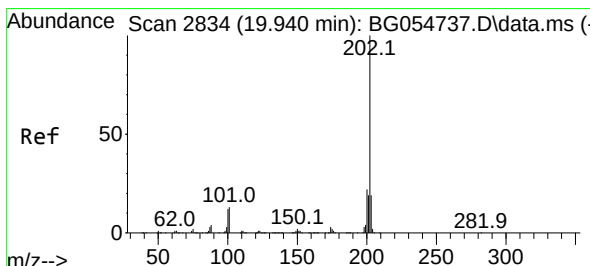
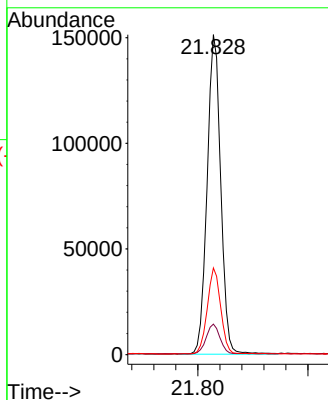
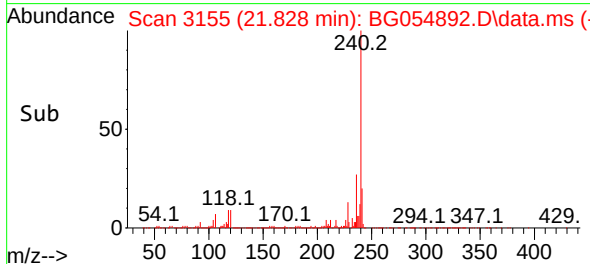
Instrument :
BNA_G
ClientSampleId :
600535069



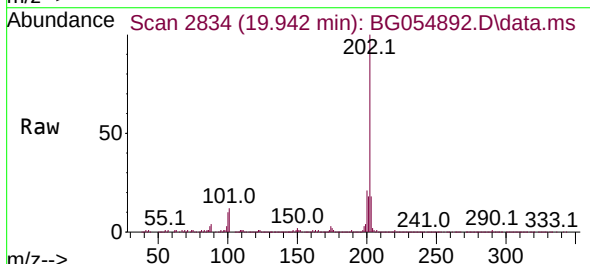
Tgt Ion:240 Resp: 259833
Ion Ratio Lower Upper
240 100
120 9.5 8.2 12.4
236 27.1 21.2 31.8

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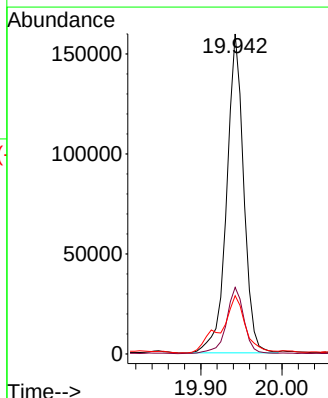
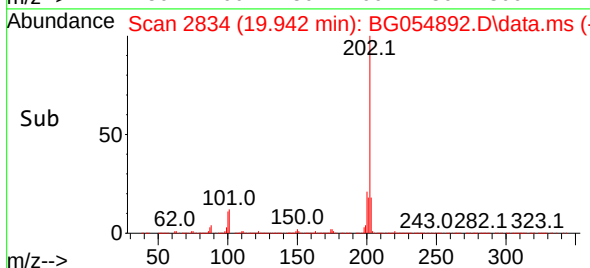
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

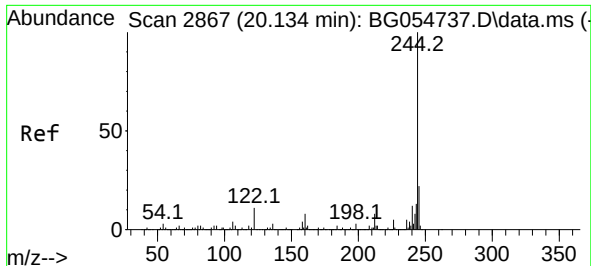


#78
Pyrene
Concen: 12.806 ng
RT: 19.942 min Scan# 2834
Delta R.T. -0.002 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43



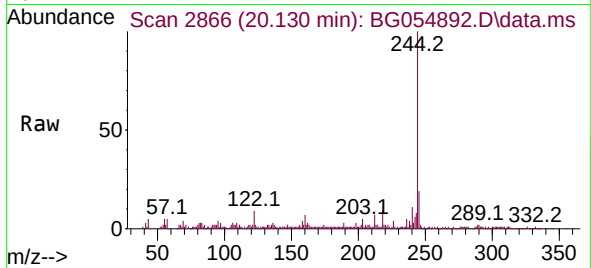
Tgt Ion:202 Resp: 232020
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 18.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 5.836 ng
 RT: 20.130 min Scan# 2867
 Delta R.T. -0.002 min
 Lab File: BG054892.D
 Acq: 8 Sep 2022 20:43

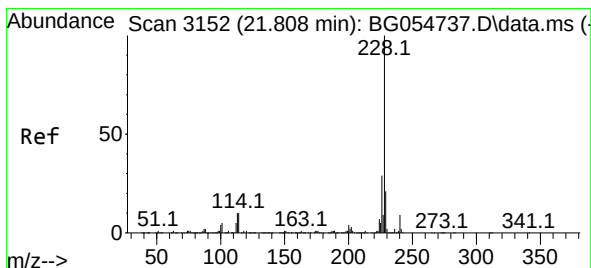
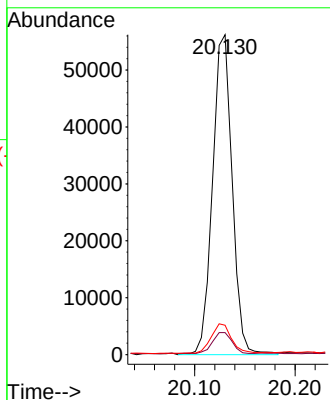
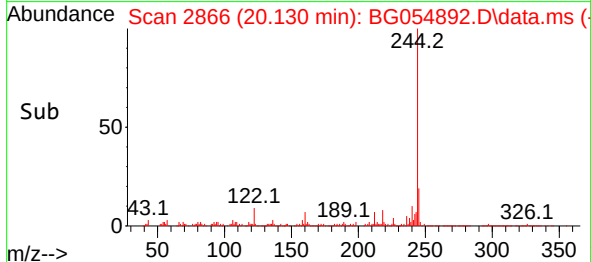
Instrument :
 BNA_G
 ClientSampleId :
 600535069



Tgt Ion:244 Resp: 76529
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 9.2 9.0 13.6

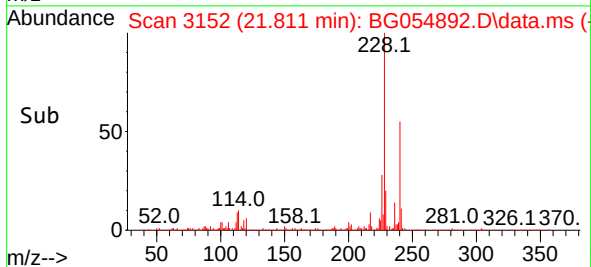
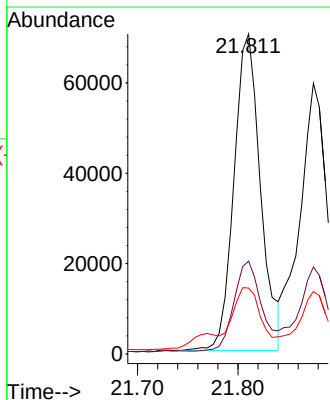
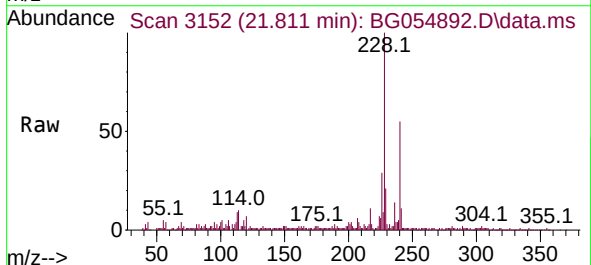
Manual Integrations
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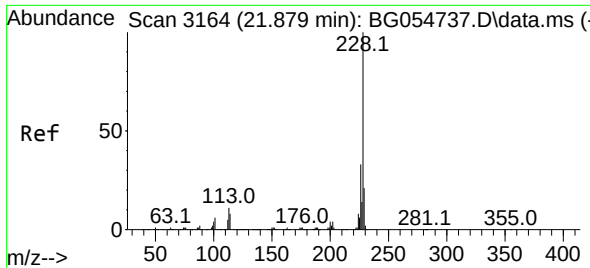
Reviewed By :Christian Giraldo 09/09/2022
 Supervised By :Jagrut Upadhyay 09/09/2022



#81
 Benzo(a)anthracene
 Concen: 7.298 ng
 RT: 21.811 min Scan# 3152
 Delta R.T. -0.002 min
 Lab File: BG054892.D
 Acq: 8 Sep 2022 20:43

Tgt Ion:228 Resp: 128568
 Ion Ratio Lower Upper
 228 100
 226 29.0 23.4 35.2
 229 20.6 16.5 24.7





#83

Chrysene

Concen: 6.634 ng

RT: 21.875 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG054892.D

Acq: 8 Sep 2022 20:43

Instrument :

BNA_G

ClientSampleId :

600535069

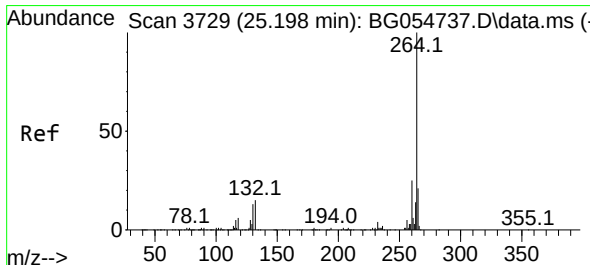
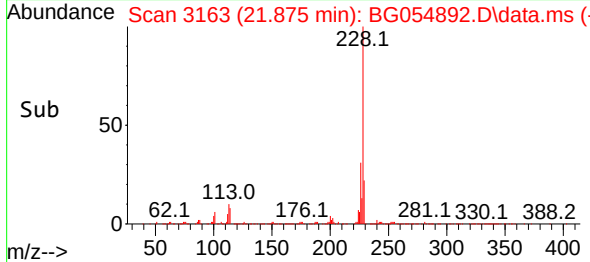
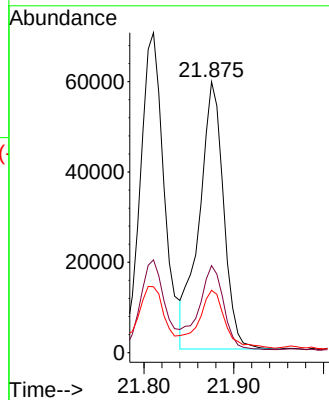
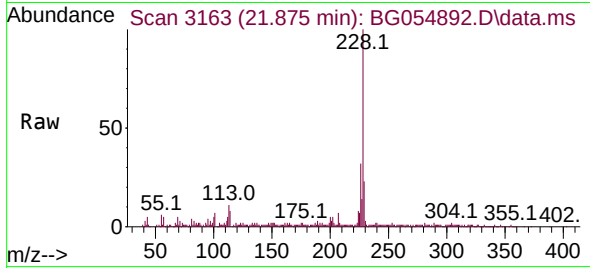
Tgt Ion:228 Resp: 111750

Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.5	38.3
229	23.0	16.8	25.2

Manual Integrations

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Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.212 min Scan# 3731

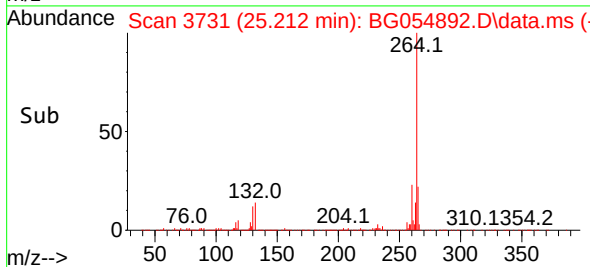
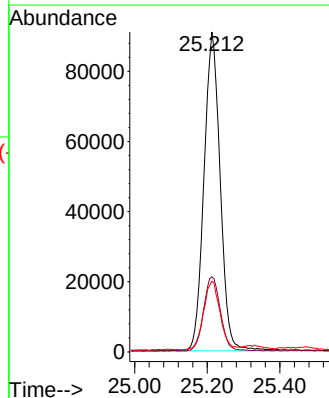
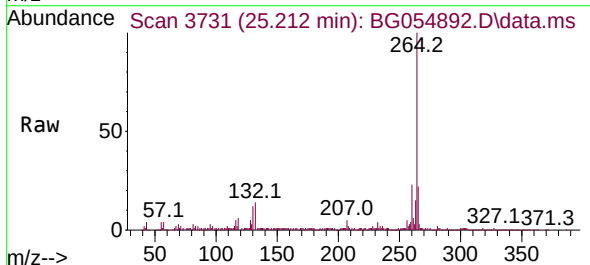
Delta R.T. -0.008 min

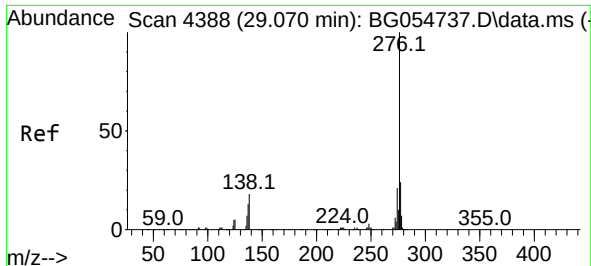
Lab File: BG054892.D

Acq: 8 Sep 2022 20:43

Tgt Ion:264 Resp: 281914

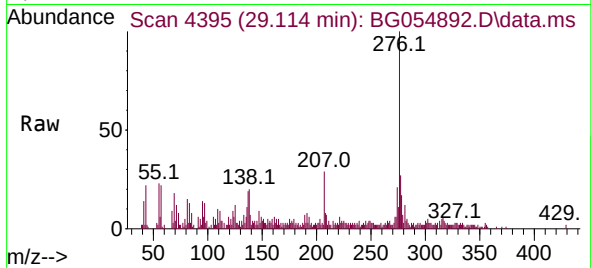
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.9	29.9
265	22.1	16.9	25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.202 ng
RT: 29.114 min Scan# 4388
Delta R.T. -0.014 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

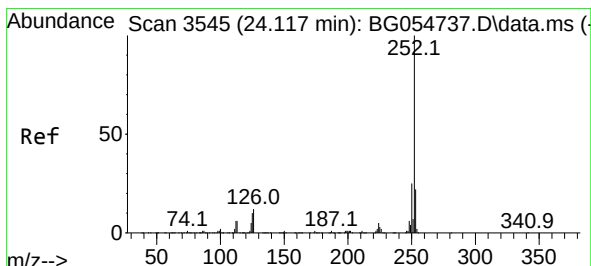
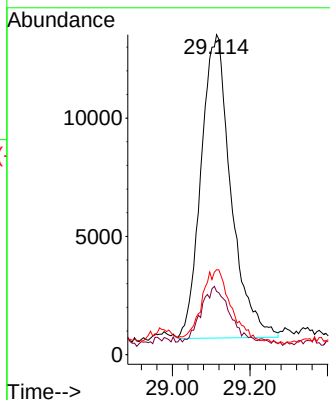
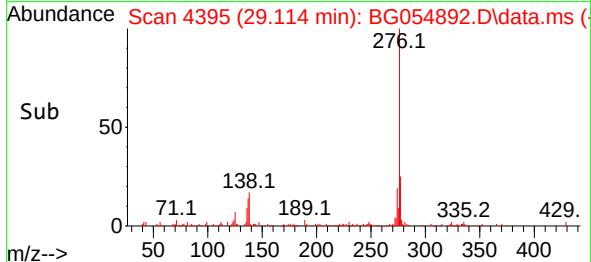
Instrument :
BNA_G
ClientSampleId :
600535069



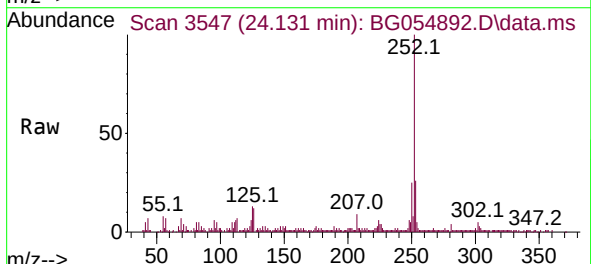
Tgt Ion:276 Resp: 68533
Ion Ratio Lower Upper
276 100
138 17.1 12.0 18.0
277 22.7 20.2 30.4

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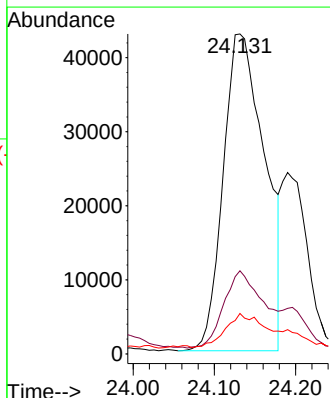
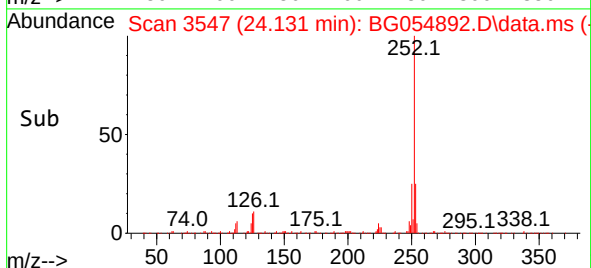
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

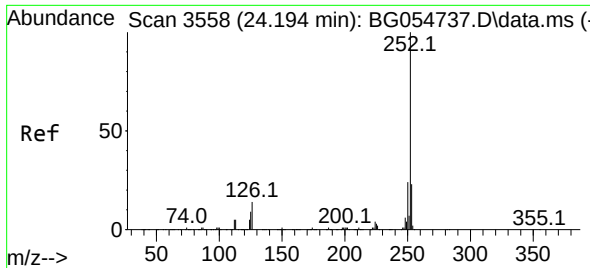


#88
Benzo(b)fluoranthene
Concen: 8.612 ng
RT: 24.131 min Scan# 3547
Delta R.T. -0.008 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43



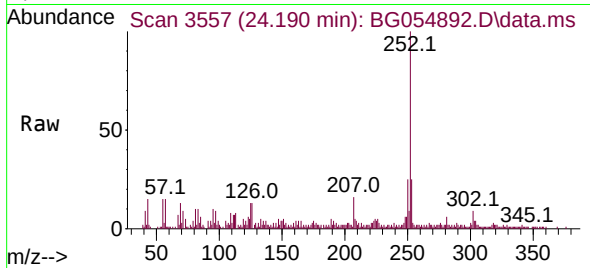
Tgt Ion:252 Resp: 152297
Ion Ratio Lower Upper
252 100
253 26.0 18.0 27.0
125 12.7 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 2.985 ng m
RT: 24.190 min Scan# 3558
Delta R.T. -0.020 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

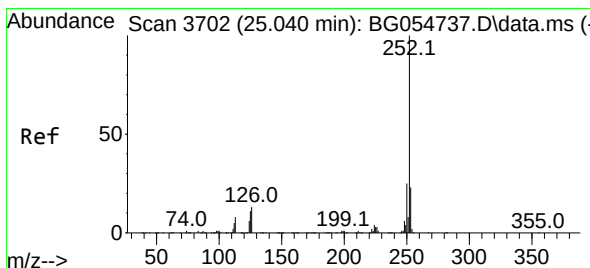
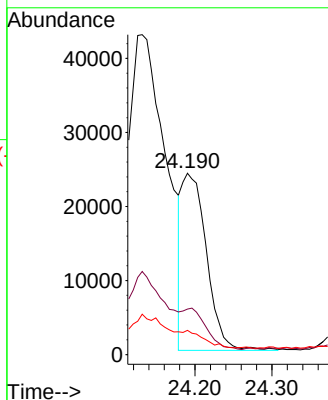
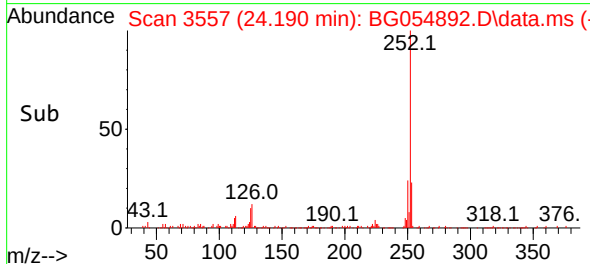
Instrument :
BNA_G
ClientSampleId :
600535069



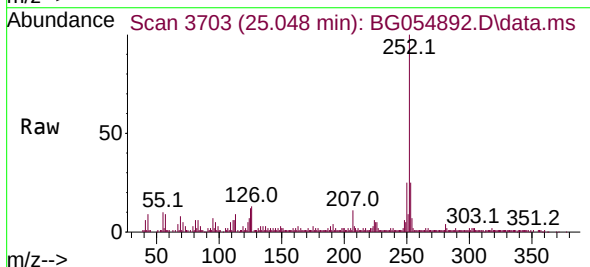
Tgt Ion:252 Resp: 53120
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 13.4 8.2 12.4

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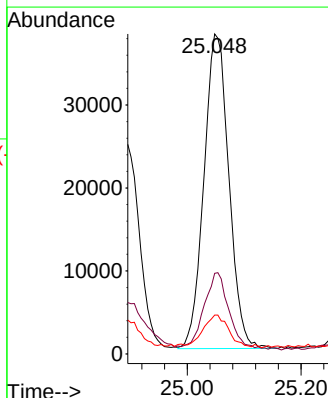
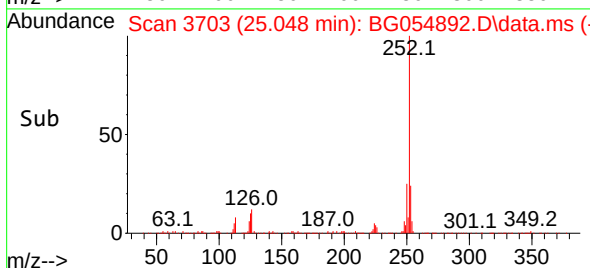
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

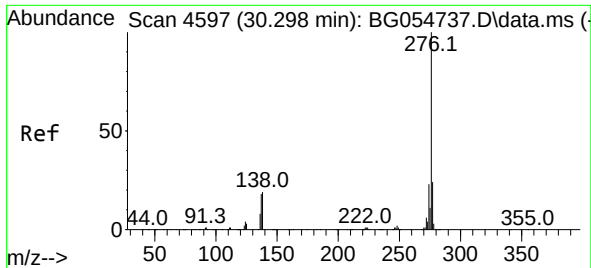


#90
Benzo(a)pyrene
Concen: 7.650 ng
RT: 25.048 min Scan# 3703
Delta R.T. -0.014 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43



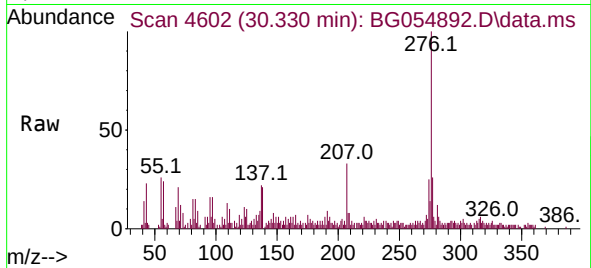
Tgt Ion:252 Resp: 115590
Ion Ratio Lower Upper
252 100
253 25.2 18.3 27.5
125 12.1 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 3.842 ng
RT: 30.330 min Scan# 4602
Delta R.T. -0.032 min
Lab File: BG054892.D
Acq: 8 Sep 2022 20:43

Instrument :
BNA_G
ClientSampleId :
600535069



Tgt Ion:	276	Resp:	67669
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.4	29.0
138	20.7	16.6	25.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

