

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
 Data File : BG054963.D
 Acq On : 15 Sep 2022 19:40
 Operator : CG/JU
 Sample : N4597-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/16/2022
 Supervised By : Jagrut Upadhyay 09/16/2022

Quant Time: Sep 16 05:32:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.130	152	42473	20.000	ng	0.00
21) Naphthalene-d8	10.956	136	175970	20.000	ng	# 0.00
39) Acenaphthene-d10	14.769	164	115971	20.000	ng	0.00
64) Phenanthrene-d10	17.513	188	244918	20.000	ng	-0.01
76) Chrysene-d12	21.808	240	228863	20.000	ng	-0.01
86) Perylene-d12	25.186	264	247239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.668	112	202301	82.942	ng	0.00
7) Phenol-d6	7.289	99	277984	83.338	ng	0.00
23) Nitrobenzene-d5	9.305	82	167738	50.041	ng	0.00
42) 2,4,6-Tribromophenol	16.255	330	122500	84.533	ng	0.00
45) 2-Fluorobiphenyl	13.388	172	446311	57.843	ng	0.00
79) Terphenyl-d14	20.115	244	655503	56.750	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.499	152	43632	4.043	ng	99
71) Phenanthrene	17.560	178	110537	8.472	ng	99
72) Anthracene	17.648	178	31375	2.473	ng	97
75) Fluoranthene	19.569	202	328283	20.684	ng	97
78) Pyrene	19.927	202	320544	20.086	ng	98
81) Benzo(a)anthracene	21.790	228	216210	13.933	ng	99
83) Chrysene	21.860	228	217816	14.681	ng	98
84) Bis(2-ethylhexyl)phtha...	21.661	149	37521	3.912	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.093	276	168386	8.971	ng	95
88) Benzo(b)fluoranthene	24.111	252	338229	21.808	ng	97
89) Benzo(k)fluoranthene	24.170	252	103892m	6.656	ng	
90) Benzo(a)pyrene	25.027	252	240549	18.154	ng	98
91) Dibenzo(a,h)anthracene	29.123	278	44696m	2.923	ng	
92) Benzo(g,h,i)perylene	30.315	276	167347	10.833	ng	96

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

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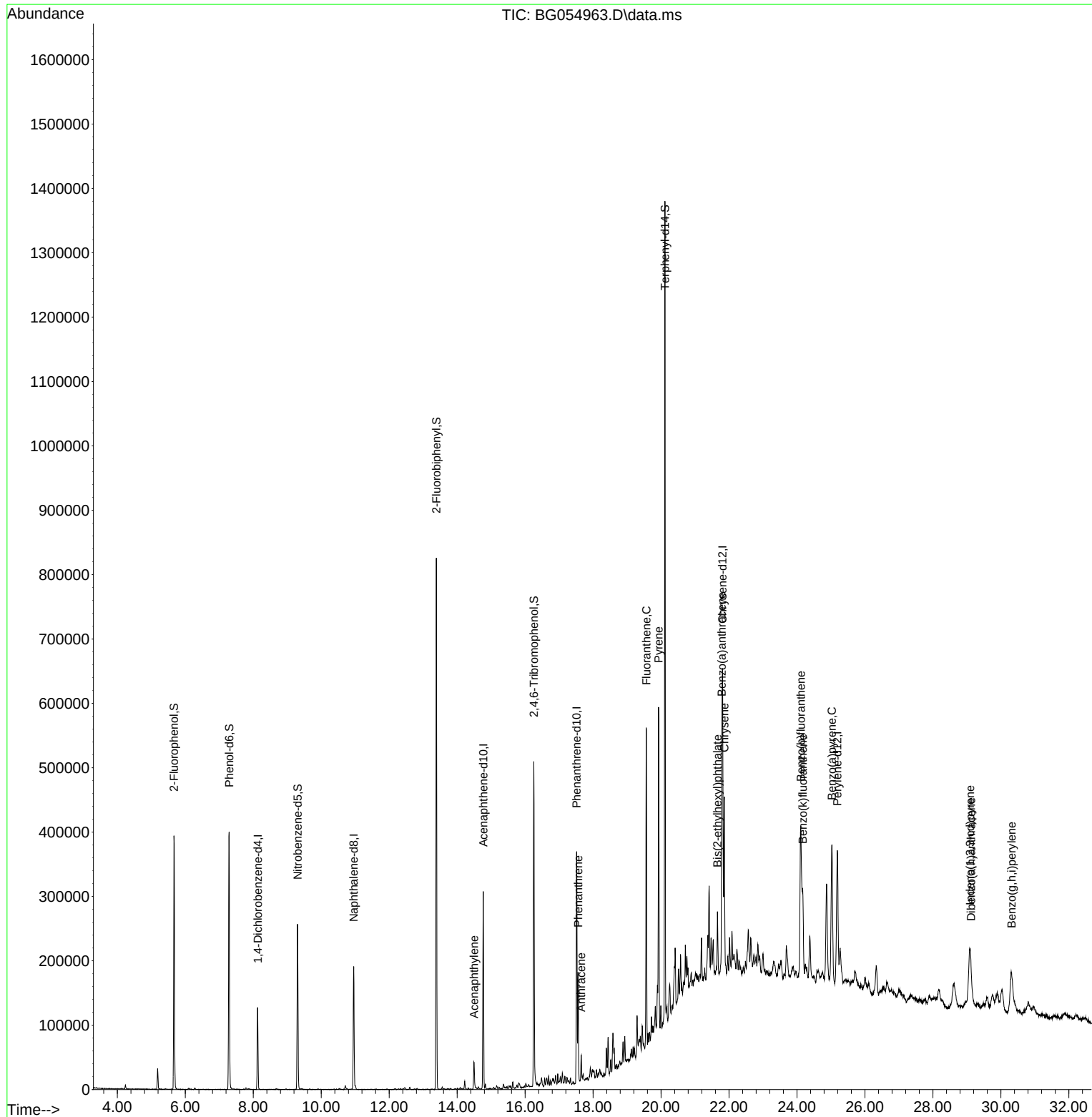
Quant Time: Sep 16 05:32:06 2022

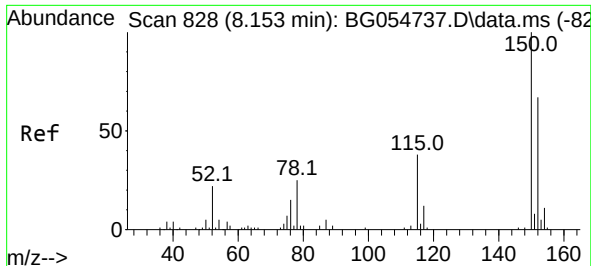
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Sep 15 03:14:10 2022

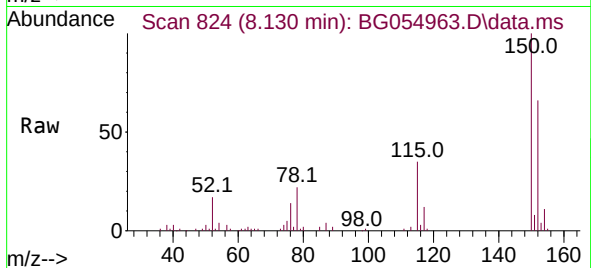
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.130 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

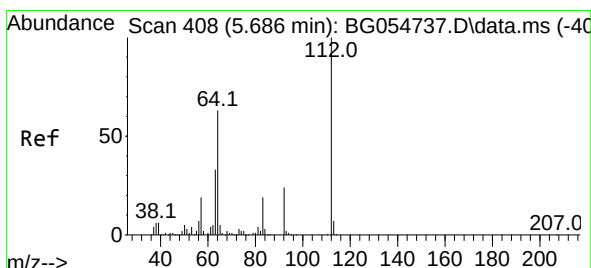
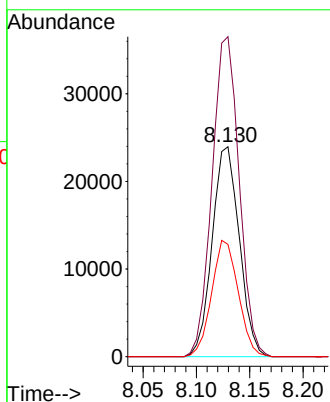
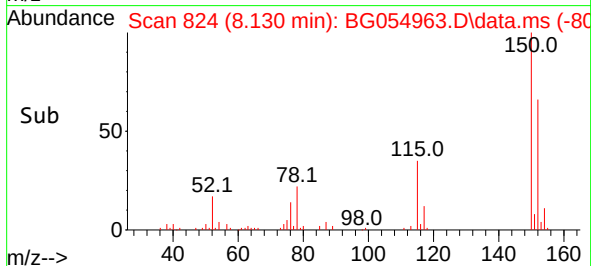
Instrument :
BNA_G
ClientSampleId :
SB-02-COMP



Tgt Ion:152 Resp: 42473
Ion Ratio Lower Upper
152 100
150 152.5 125.2 187.8
115 53.5 47.9 71.9

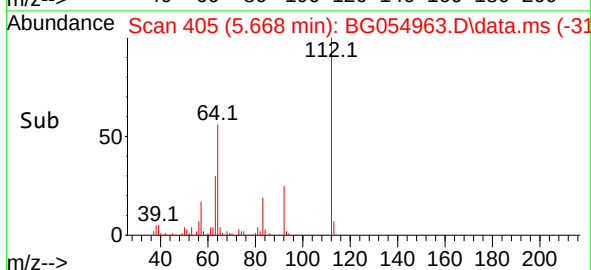
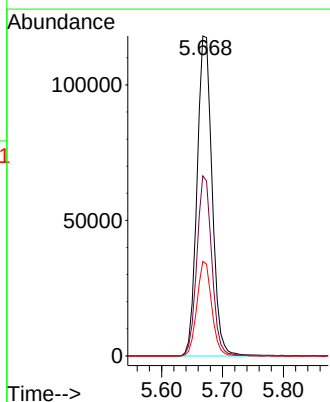
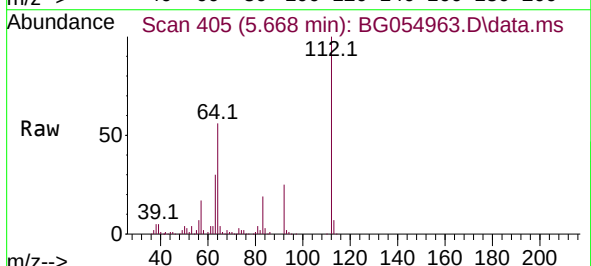
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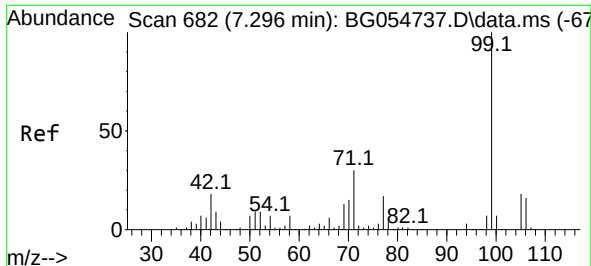
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#5
2-Fluorophenol
Concen: 82.942 ng
RT: 5.668 min Scan# 405
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

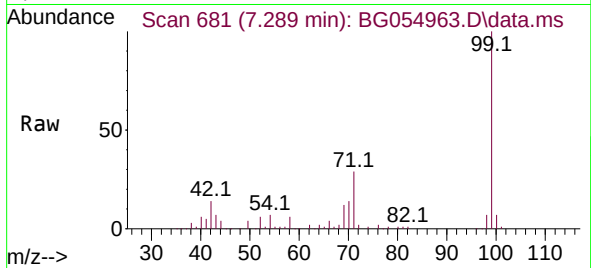
Tgt Ion:112 Resp: 202301
Ion Ratio Lower Upper
112 100
64 56.3 49.3 73.9
63 29.5 26.3 39.5





#7
Phenol-d6
Concen: 83.338 ng
RT: 7.289 min Scan# 681
Delta R.T. 0.001 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

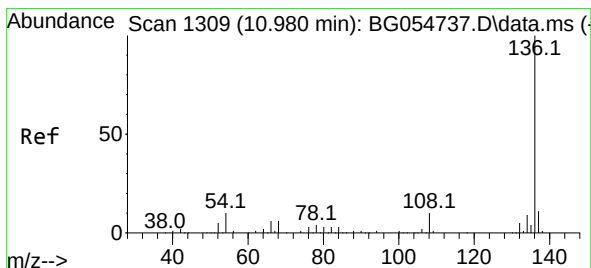
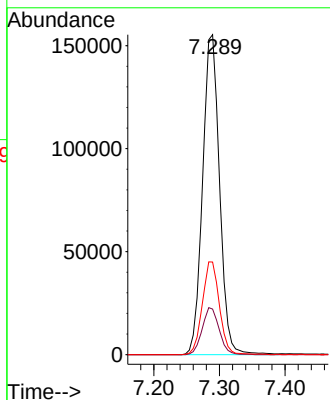
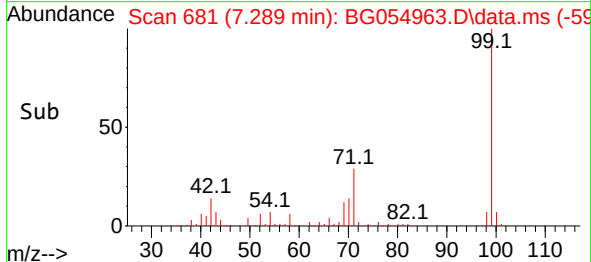
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 99 Resp: 277984
Ion Ratio Lower Upper
99 100
42 14.2 14.6 22.0
71 28.9 24.6 37.0

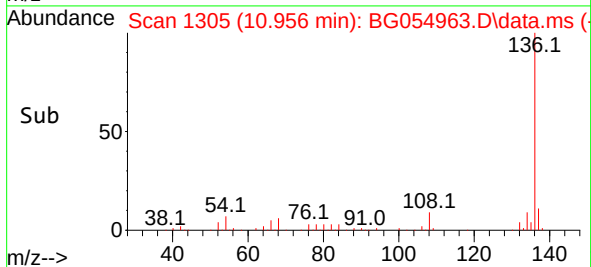
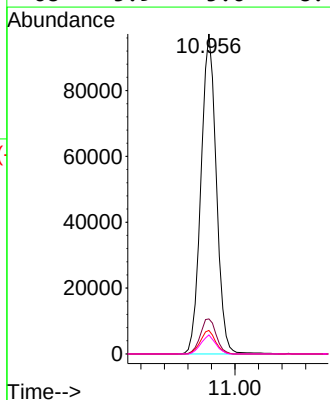
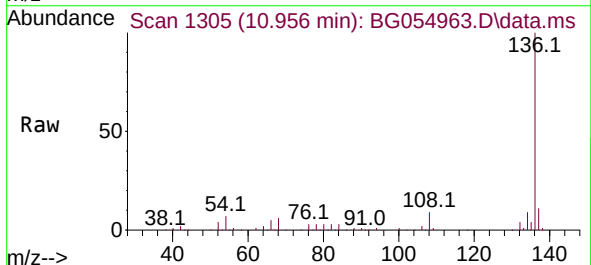
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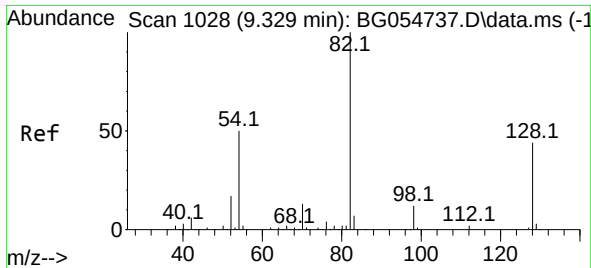
Reviewed By :Christian Giraldo 09/16/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.956 min Scan# 1305
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Tgt Ion:136 Resp: 175970
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.3 7.7 11.5
68 5.9 5.6 8.4





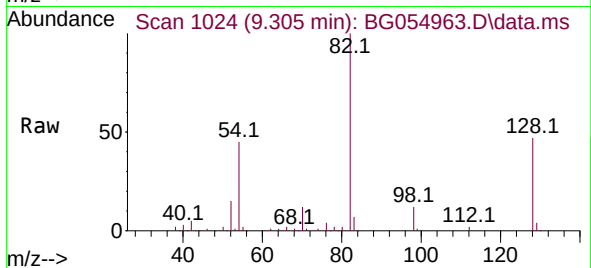
#23
Nitrobenzene-d5
Concen: 50.041 ng
RT: 9.305 min Scan# 1024
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Instrument :

BNA_G

ClientSampleId :

SB-02-COMP

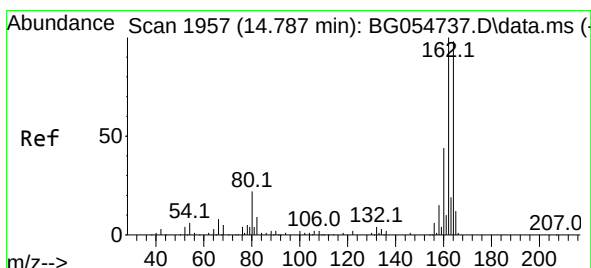
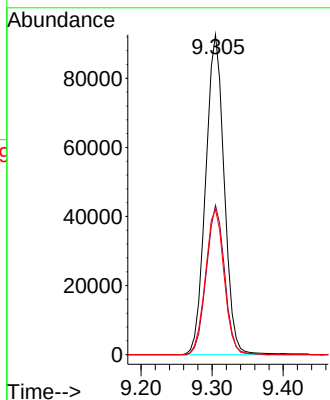
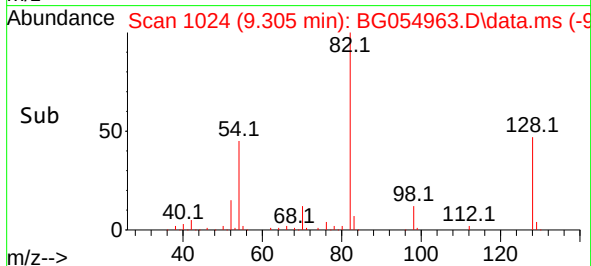


Tgt Ion: 82 Resp: 167738
Ion Ratio Lower Upper
82 100
128 46.7 32.2 48.2
54 45.3 41.4 62.0

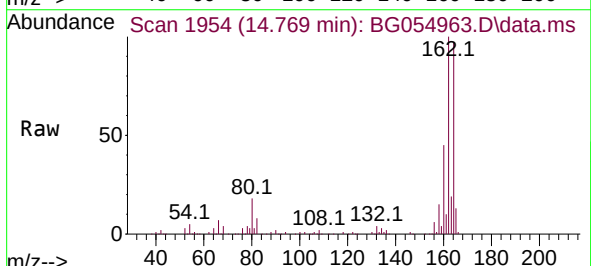
Manual Integrations

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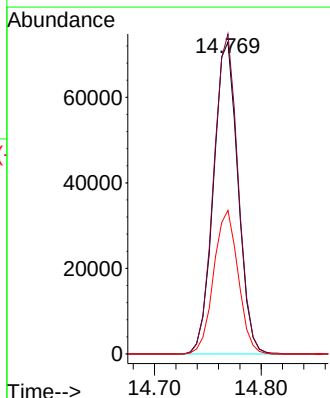
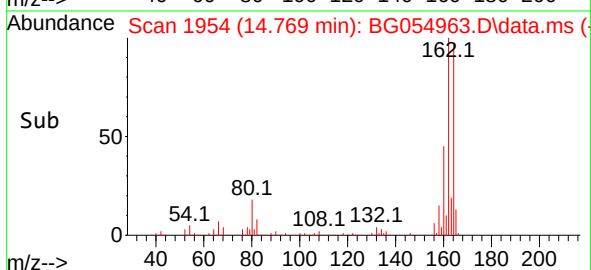
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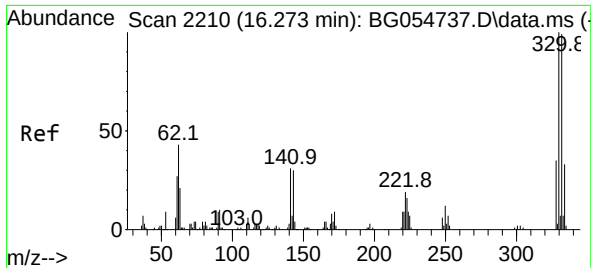


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.769 min Scan# 1954
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40



Tgt Ion:164 Resp: 115971
Ion Ratio Lower Upper
164 100
162 102.6 83.0 124.4
160 46.0 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 84.533 ng
RT: 16.255 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Instrument :

BNA_G

ClientSampleId :

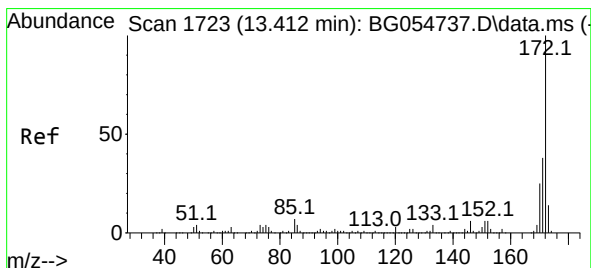
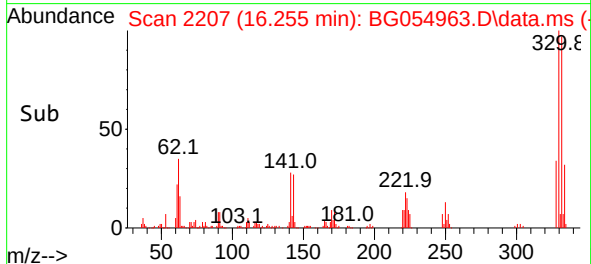
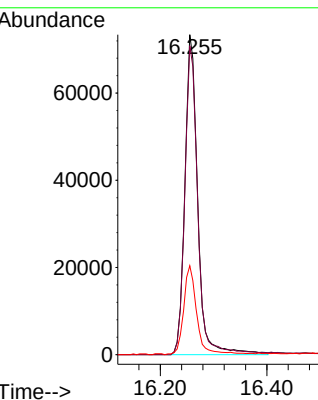
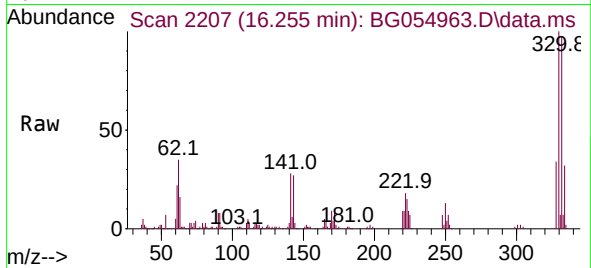
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Tgt Ion:330 Resp: 122500
Ion Ratio Lower Upper
330 100
332 97.4 79.8 119.6
141 28.6 26.8 40.2

Manual Integrations

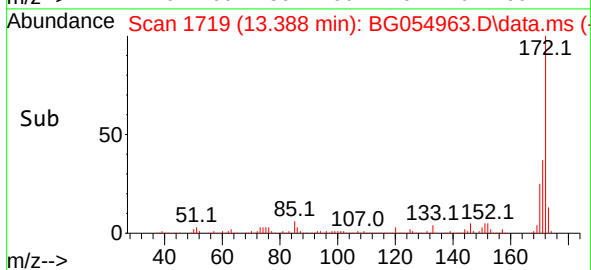
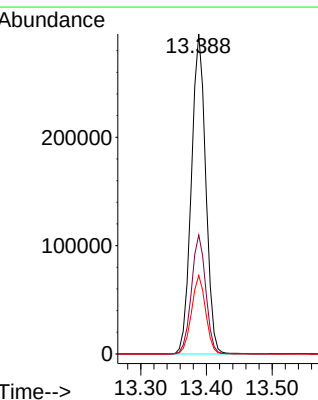
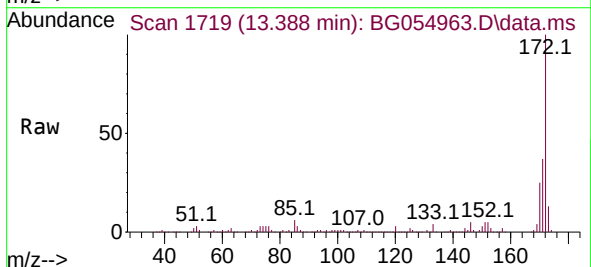
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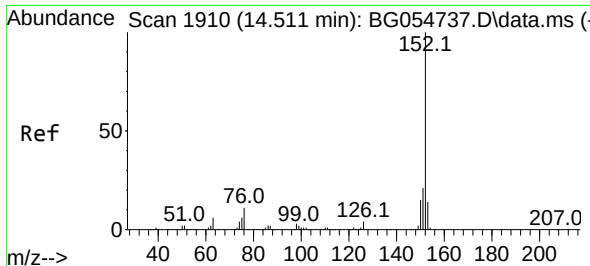
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#45
2-Fluorobiphenyl
Concen: 57.843 ng
RT: 13.388 min Scan# 1719
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Tgt Ion:172 Resp: 446311
Ion Ratio Lower Upper
172 100
171 37.2 31.2 46.8
170 24.5 20.6 30.8





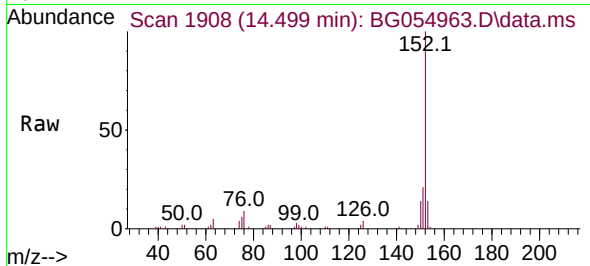
#49
Acenaphthylene
Concen: 4.043 ng
RT: 14.499 min Scan# 1910
Delta R.T. 0.001 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Instrument :

BNA_G

ClientSampleId :

SB-02-COMP

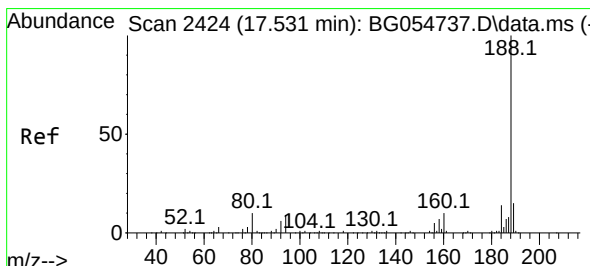
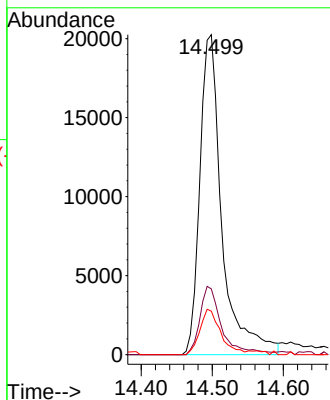
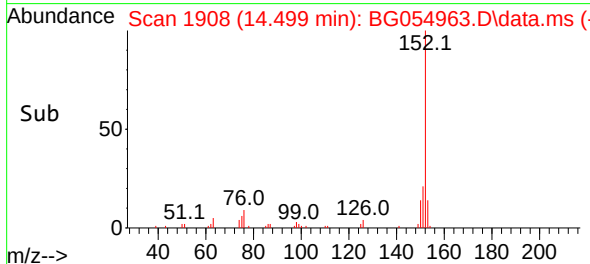


Tgt Ion:152 Resp: 43632
Ion Ratio Lower Upper
152 100
151 20.5 17.3 25.9
153 13.6 10.8 16.2

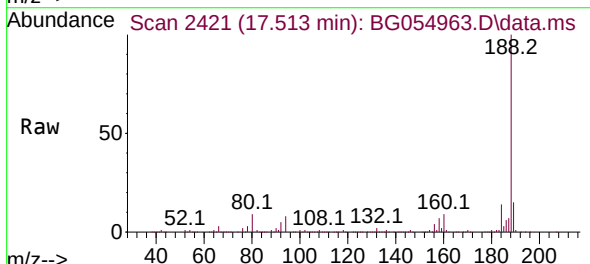
Manual Integrations

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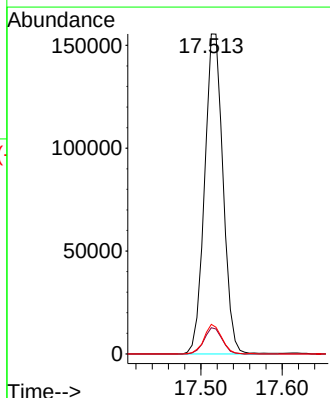
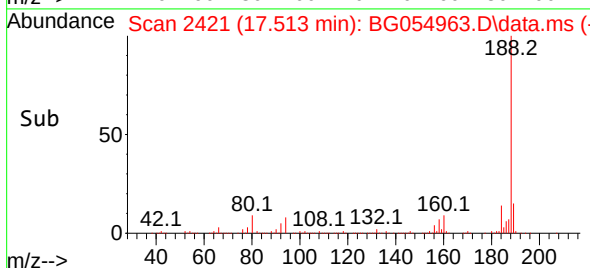
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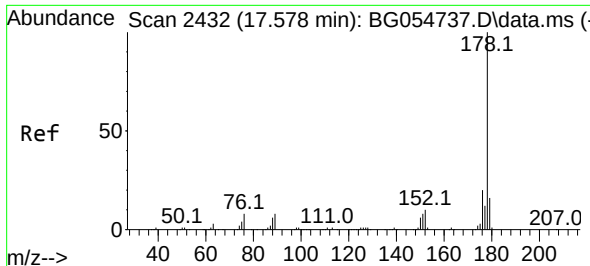


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.513 min Scan# 2421
Delta R.T. -0.011 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40



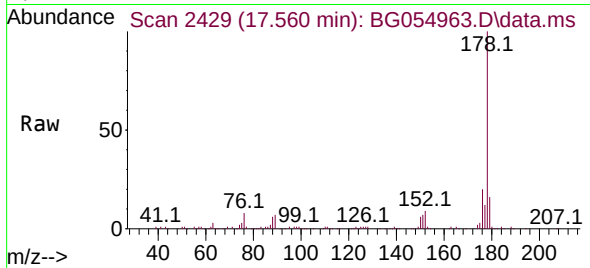
Tgt Ion:188 Resp: 244918
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 9.2 7.9 11.9





#71
Phenanthrene
Concen: 8.472 ng
RT: 17.560 min Scan# 2432
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

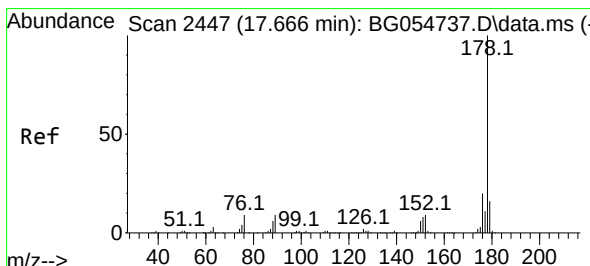
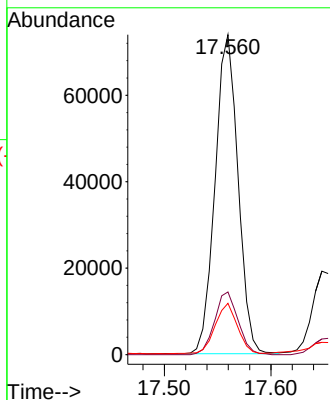
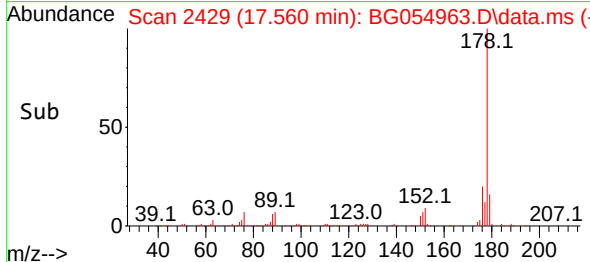
Instrument :
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SB-02-COMP



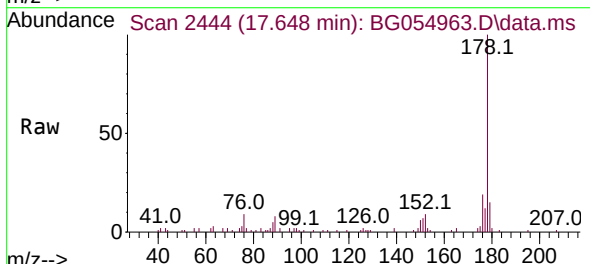
Tgt Ion:178 Resp: 110537
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 16.0 12.8 19.2

Manual Integrations
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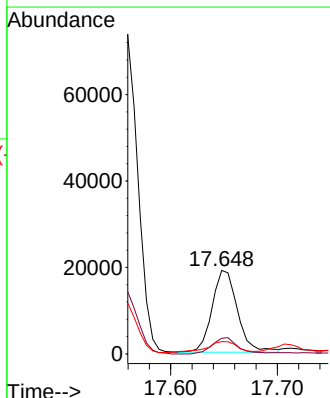
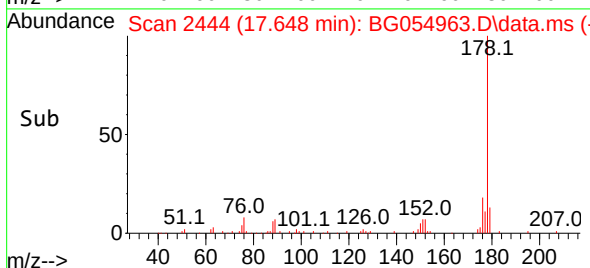
Reviewed By :Christian Giraldo 09/16/2022
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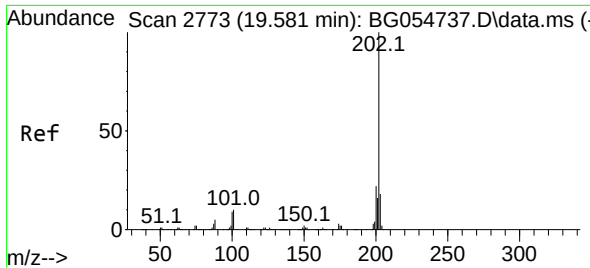


#72
Anthracene
Concen: 2.473 ng
RT: 17.648 min Scan# 2444
Delta R.T. -0.011 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40



Tgt Ion:178 Resp: 31375
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 14.7 12.9 19.3





#75
Fluoranthene
Concen: 20.684 ng
RT: 19.569 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Instrument :

BNA_G

ClientSampleId :

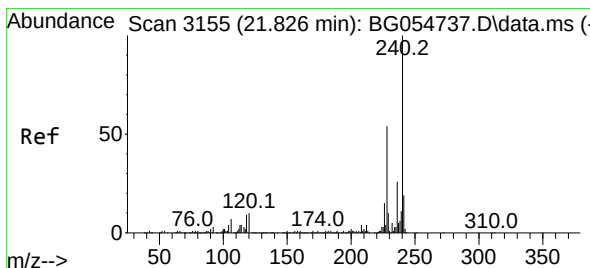
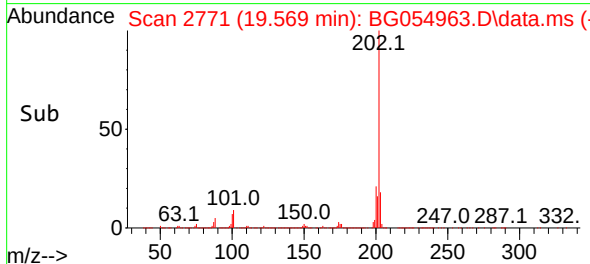
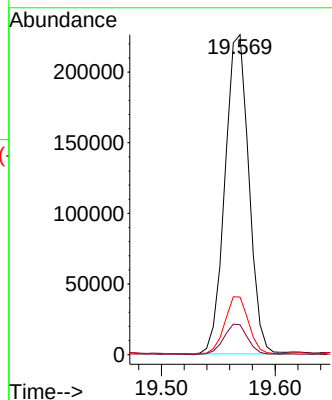
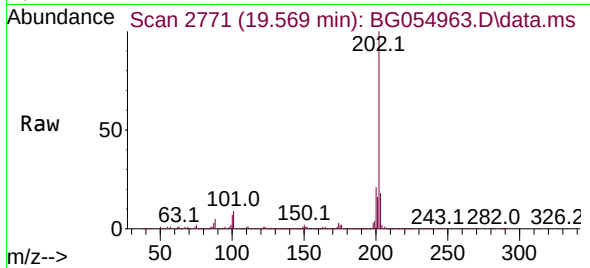
SB-02-COMP

Tgt Ion:202 Resp: 328283
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.4
203 18.0 0.0 38.6

Manual Integrations

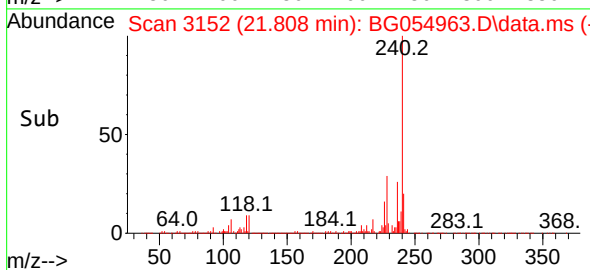
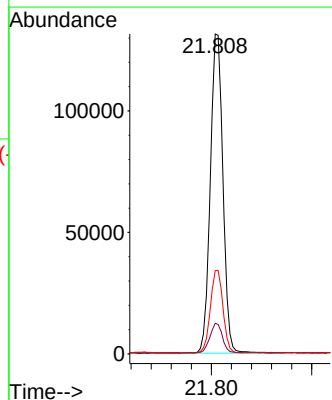
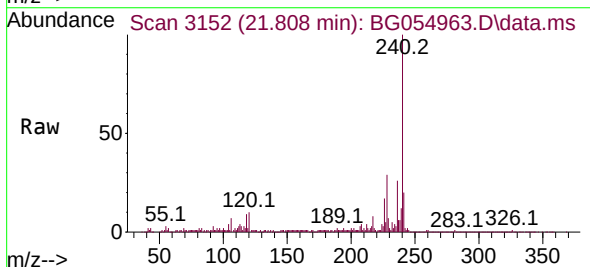
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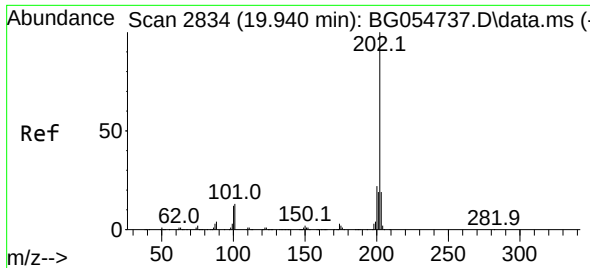
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.808 min Scan# 3152
Delta R.T. -0.011 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

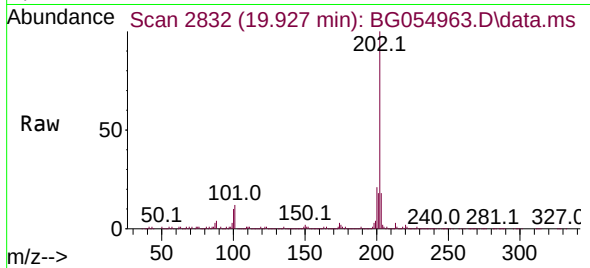
Tgt Ion:240 Resp: 228863
Ion Ratio Lower Upper
240 100
120 9.6 8.2 12.4
236 26.0 21.2 31.8





#78
Pyrene
Concen: 20.086 ng
RT: 19.927 min Scan# 2832
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

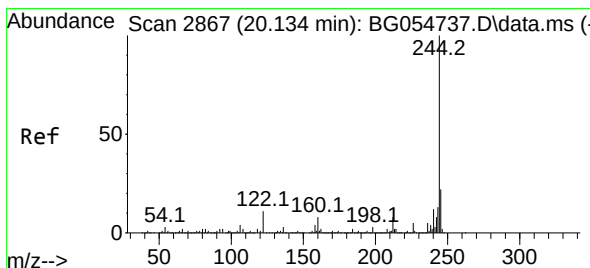
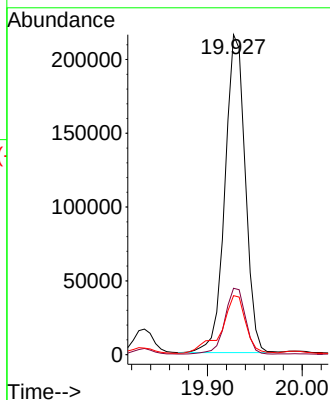
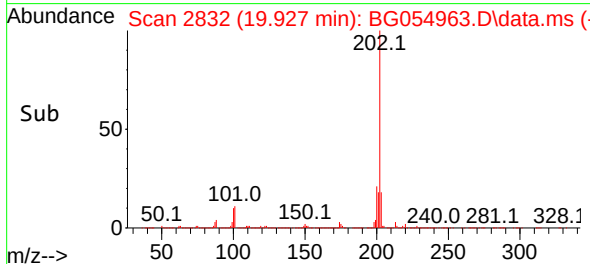
Instrument :
BNA_G
ClientSampleId :
SB-02-COMP



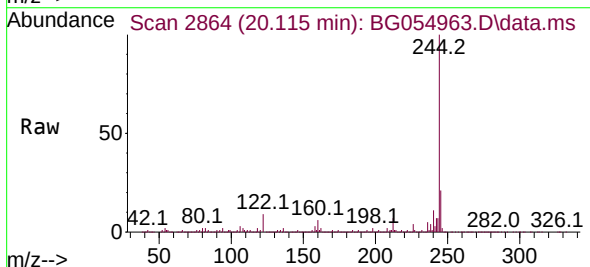
Tgt Ion:202 Resp: 320544
Ion Ratio Lower Upper
202 100
200 20.7 17.8 26.6
203 18.4 14.6 21.8

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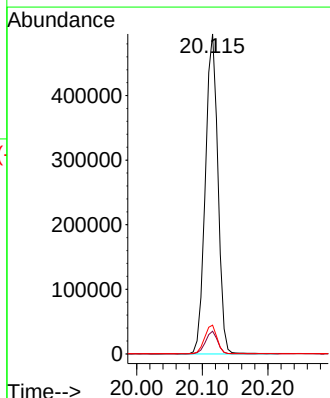
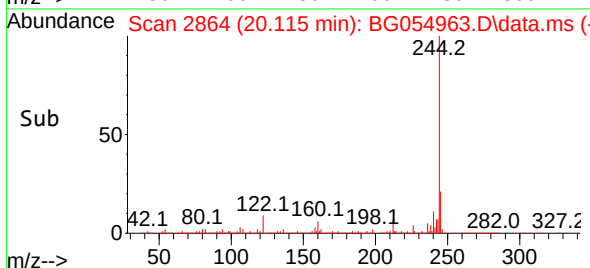
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

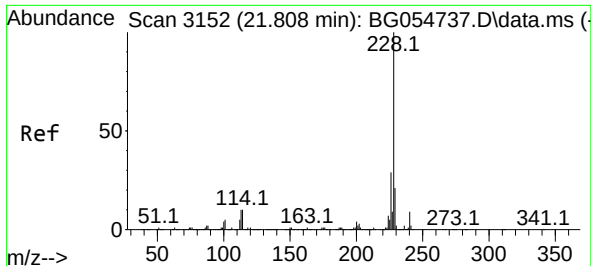


#79
Terphenyl-d14
Concen: 56.750 ng
RT: 20.115 min Scan# 2864
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40



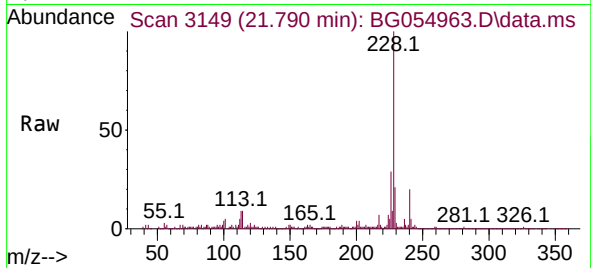
Tgt Ion:244 Resp: 655503
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.2
122 9.0 9.0 13.6





#81
Benzo(a)anthracene
Concen: 13.933 ng
RT: 21.790 min Scan# 3149
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

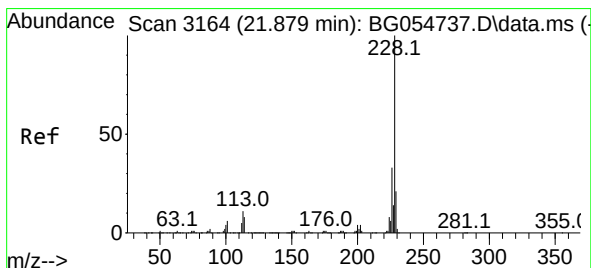
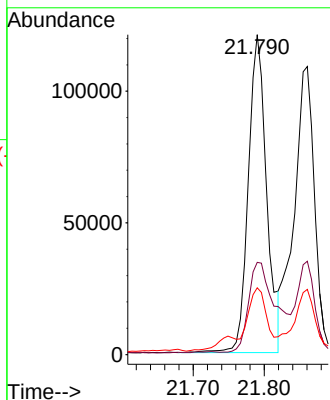
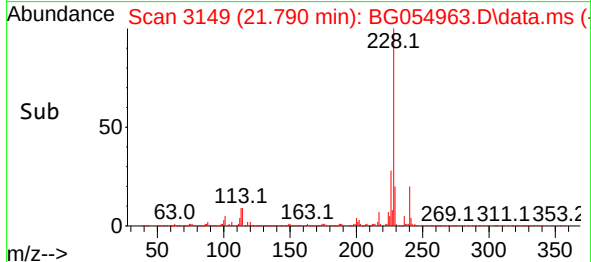
Instrument :
BNA_G
ClientSampleId :
SB-02-COMP



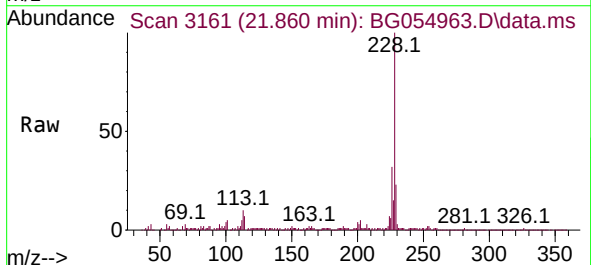
Tgt Ion:228 Resp: 216216
Ion Ratio Lower Upper
228 100
226 28.8 23.4 35.2
229 20.9 16.5 24.7

Manual Integrations
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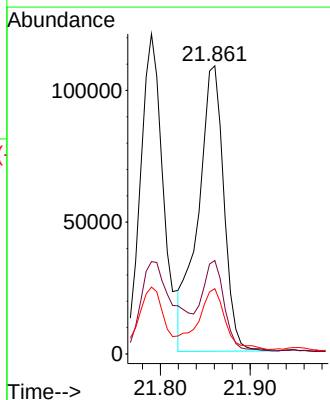
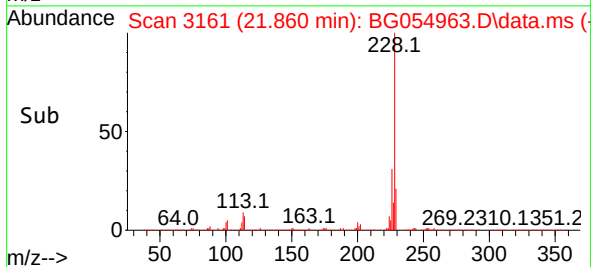
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

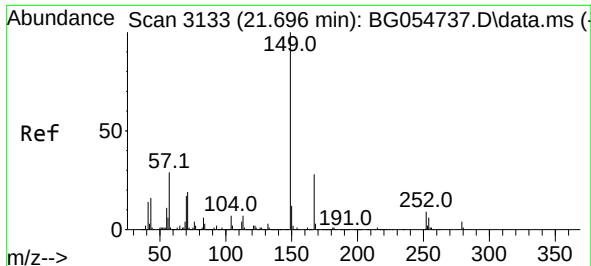


#83
Chrysene
Concen: 14.681 ng
RT: 21.860 min Scan# 3161
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40



Tgt Ion:228 Resp: 217816
Ion Ratio Lower Upper
228 100
226 32.4 25.5 38.3
229 22.6 16.8 25.2





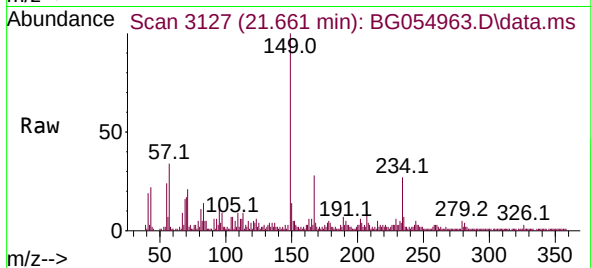
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.912 ng
RT: 21.661 min Scan# 3133
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Instrument :

BNA_G

ClientSampleId :

SB-02-COMP

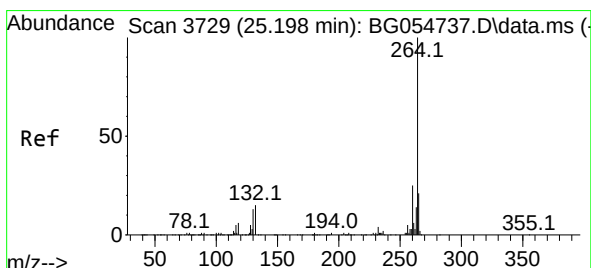
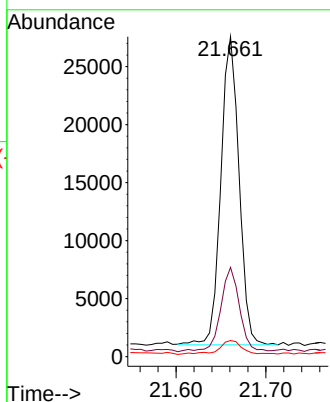
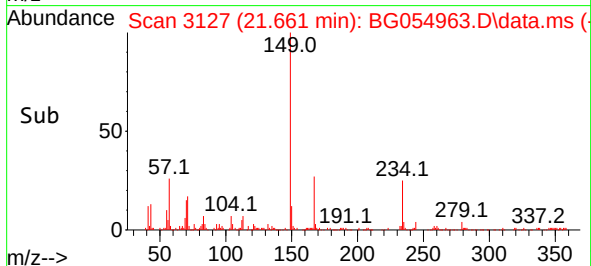


Tgt Ion:149 Resp: 37521
Ion Ratio Lower Upper
149 100
167 27.9 21.4 32.0
279 5.0 3.1 4.7

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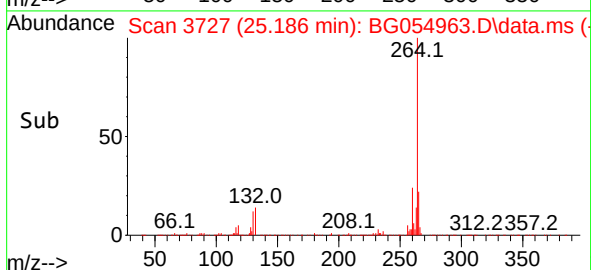
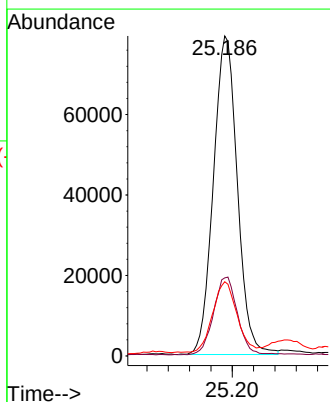
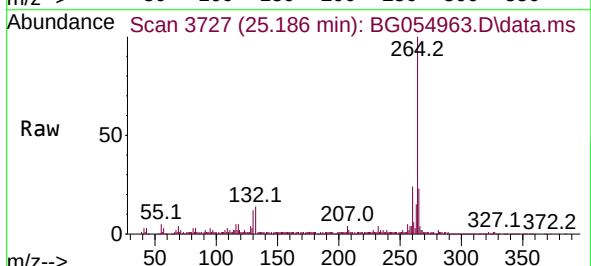
APPROVED

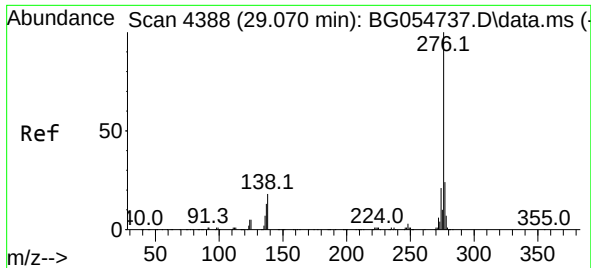
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 3727
Delta R.T. 0.001 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Tgt Ion:264 Resp: 247239
Ion Ratio Lower Upper
264 100
260 24.4 19.9 29.9
265 23.2 16.9 25.3





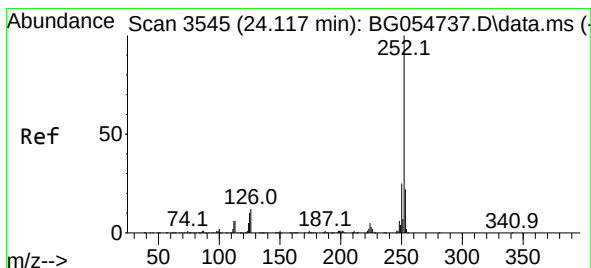
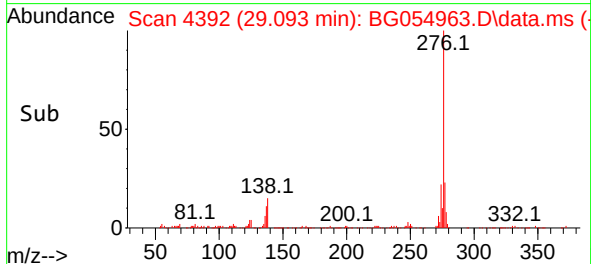
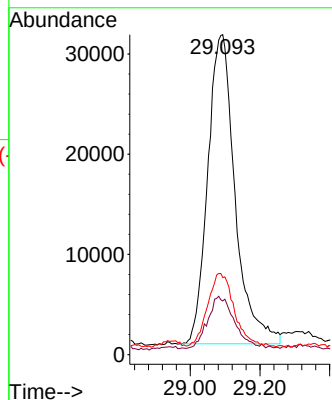
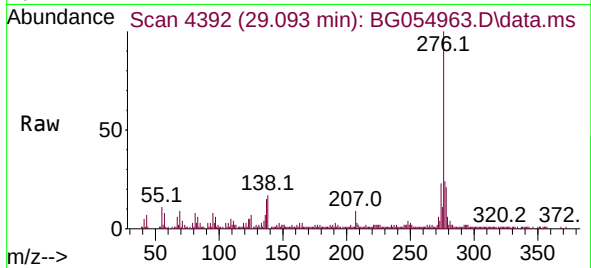
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.971 ng
RT: 29.093 min Scan# 4388
Delta R.T. 0.006 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Instrument :
BNA_G
ClientSampleId :
SB-02-COMP

Tgt Ion:276 Resp: 168386
Ion Ratio Lower Upper
276 100
138 16.3 12.0 18.0
277 22.6 20.2 30.4

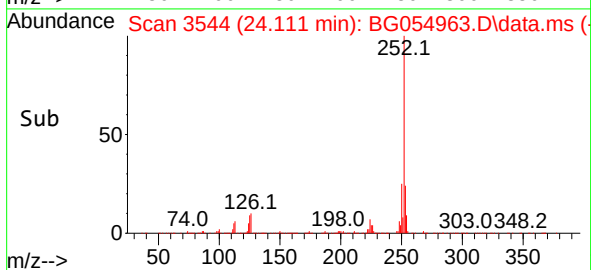
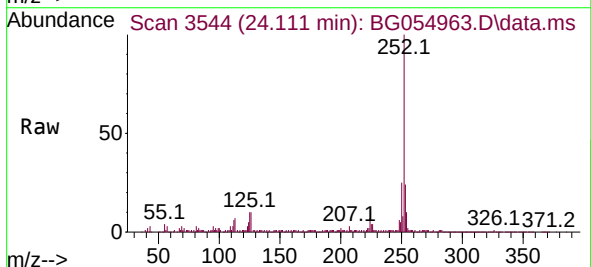
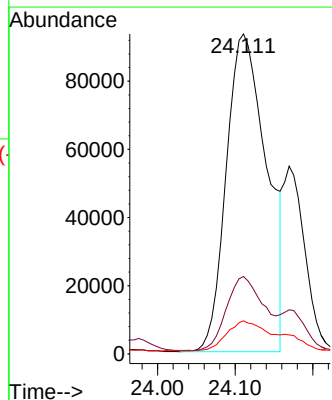
Manual Integrations
APPROVED

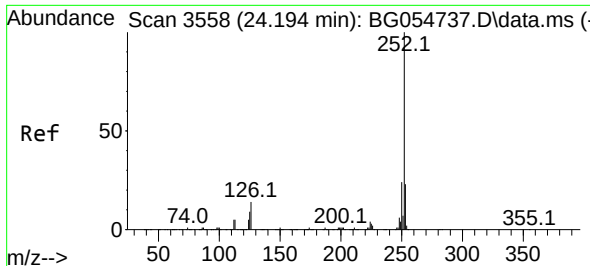
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#88
Benzo(b)fluoranthene
Concen: 21.808 ng
RT: 24.111 min Scan# 3544
Delta R.T. 0.001 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Tgt Ion:252 Resp: 338229
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 10.3 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 6.656 ng m
RT: 24.170 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Instrument :

BNA_G

ClientSampleId :

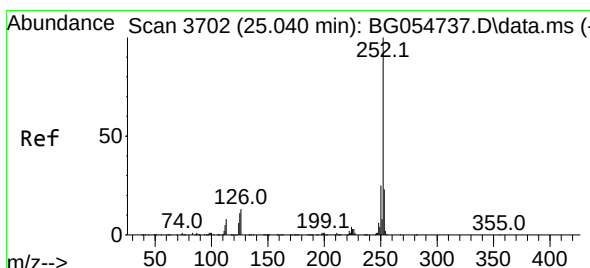
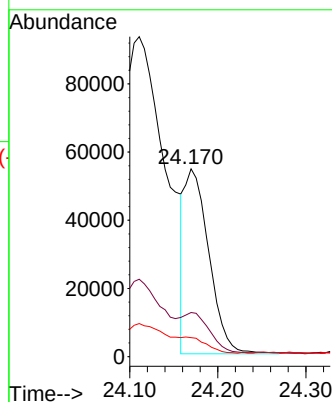
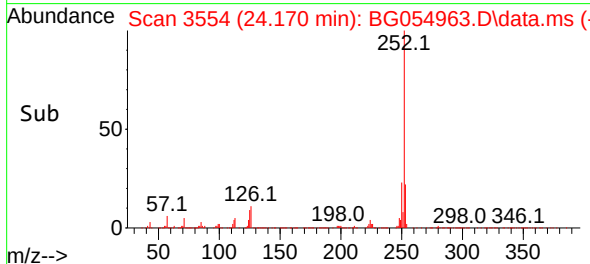
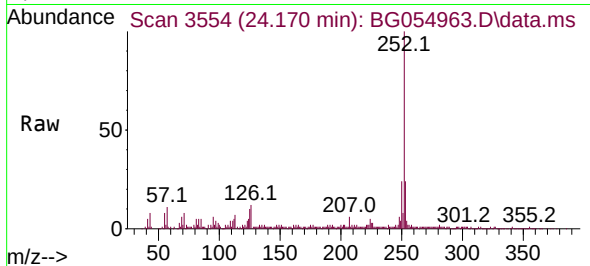
SB-02-COMP

Tgt Ion:252 Resp: 103892
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 10.1 8.2 12.4

Manual Integrations

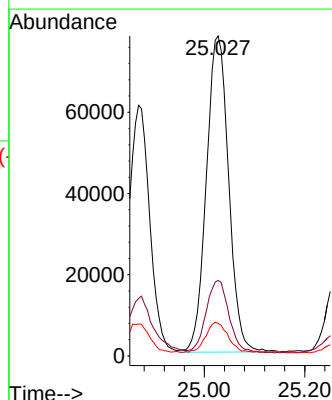
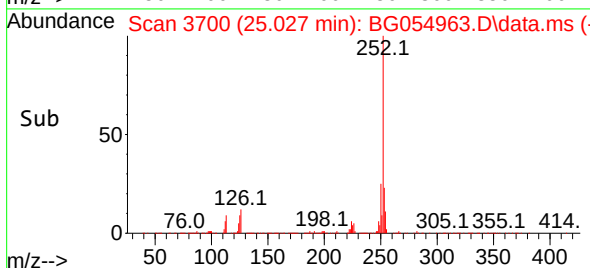
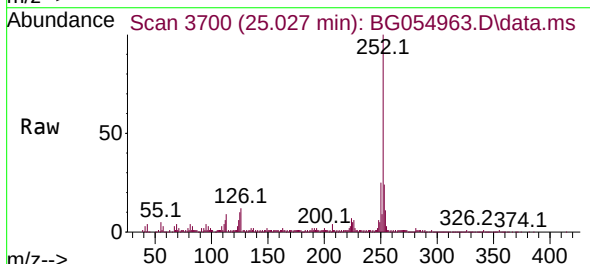
APPROVED

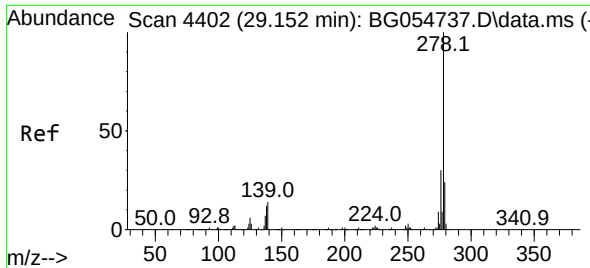
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#90
Benzo(a)pyrene
Concen: 18.154 ng
RT: 25.027 min Scan# 3700
Delta R.T. -0.005 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Tgt Ion:252 Resp: 240549
Ion Ratio Lower Upper
252 100
253 23.6 18.3 27.5
125 10.2 8.8 13.2





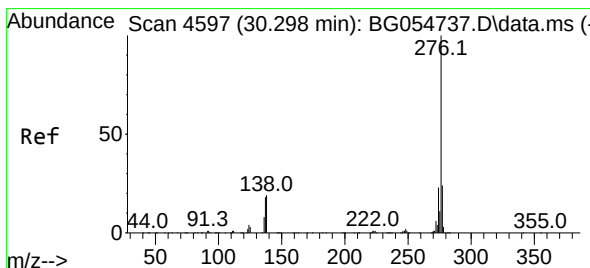
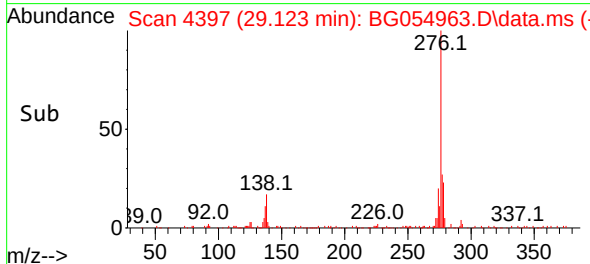
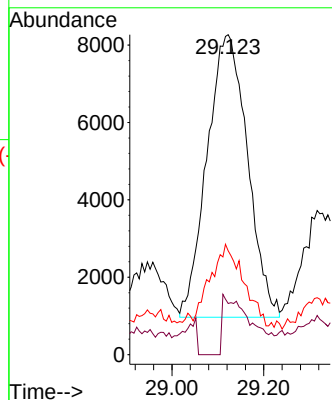
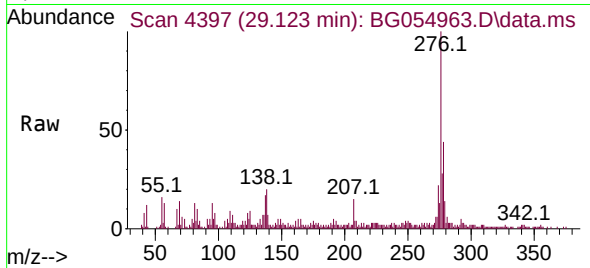
#91
Dibenzo(a,h)anthracene
Concen: 2.923 ng m
RT: 29.123 min Scan# 4397
Delta R.T. -0.023 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Instrument :
BNA_G
ClientSampleId :
SB-02-COMP

Tgt Ion: 278 Resp: 44696
Ion Ratio Lower Upper
278 100
139 16.0 11.4 17.2
279 32.4 19.3 28.9

Manual Integrations
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Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022



#92
Benzo(g,h,i)perylene
Concen: 10.833 ng
RT: 30.315 min Scan# 4600
Delta R.T. 0.006 min
Lab File: BG054963.D
Acq: 15 Sep 2022 19:40

Tgt Ion: 276 Resp: 167347
Ion Ratio Lower Upper
276 100
277 23.1 19.4 29.0
138 17.6 16.6 25.0

