

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
 Data File : BG054860.D
 Acq On : 6 Sep 2022 20:42
 Operator : CG/JU
 Sample : N4490-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14-B-SP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/07/2022
 Supervised By : Jagrut Upadhyay 09/07/2022

Quant Time: Sep 07 05:00:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	50488	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	191062	20.000	ng	# 0.00
39) Acenaphthene-d10	14.795	164	117481	20.000	ng	0.00
64) Phenanthrene-d10	17.550	188	210645	20.000	ng	# 0.02
76) Chrysene-d12	21.863	240	190884	20.000	ng	# 0.04
86) Perylene-d12	25.306	264	217921	20.000	ng	# 0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	196150	67.653	ng	0.00
7) Phenol-d6	7.303	99	259398	65.420	ng	0.00
23) Nitrobenzene-d5	9.325	82	203705	55.970	ng	0.00
42) 2,4,6-Tribromophenol	16.293	330	89807	61.176	ng	0.02
45) 2-Fluorobiphenyl	13.414	172	380190	48.640	ng	0.00
79) Terphenyl-d14	20.147	244	484567	50.298	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.632	142	31251	4.350	ng	# 82
38) 1-Methylnaphthalene	12.850	142	48494	6.937	ng	# 91
52) Acenaphthene	14.859	154	47072	6.702	ng	# 88
58) Fluorene	15.846	166	67203	7.730	ng	# 69
71) Phenanthrene	17.597	178	222533	19.831	ng	# 85
75) Fluoranthene	19.601	202	172266	12.620	ng	85
78) Pyrene	19.965	202	338175	25.407	ng	# 89
81) Benzo(a)anthracene	21.845	228	348604	26.935	ng	# 79
83) Chrysene	21.916	228	583947	47.188	ng	# 87
87) Indeno(1,2,3-cd)pyrene	29.254	276	147000	8.885	ng	# 81
88) Benzo(b)fluoranthene	24.213	252	333055m	24.363	ng	
89) Benzo(k)fluoranthene	24.260	252	67593m	4.913	ng	
90) Benzo(a)pyrene	25.147	252	366189	31.353	ng	# 65
91) Dibenzo(a,h)anthracene	29.284	278	151873	11.268	ng	# 58
92) Benzo(g,h,i)perylene	30.482	276	248990	18.286	ng	# 89

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

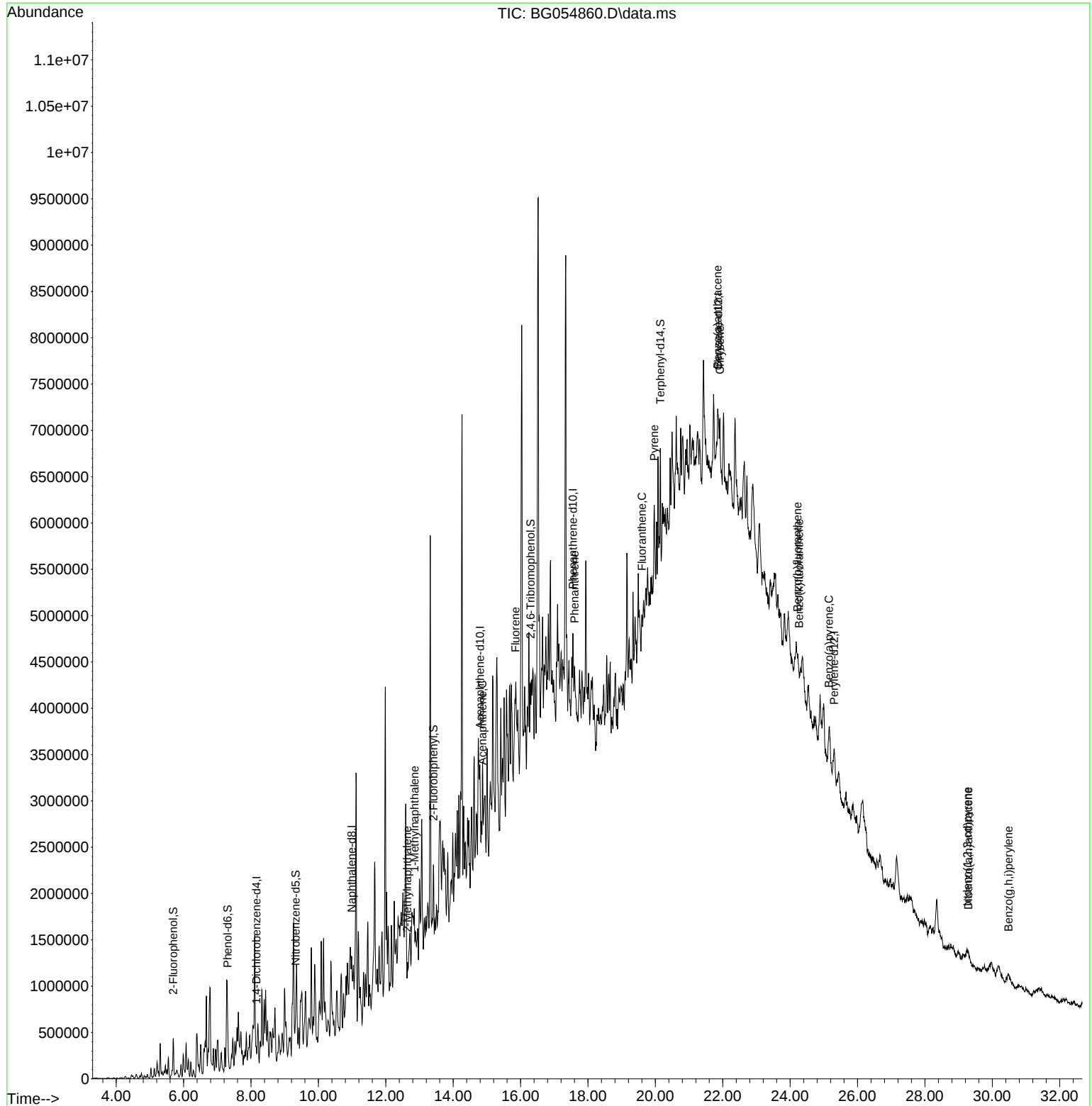
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
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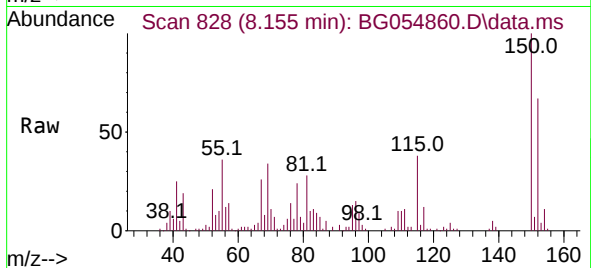
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.155 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

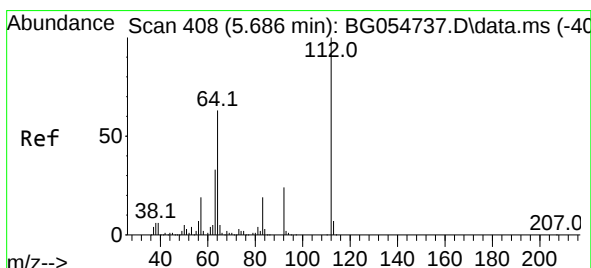
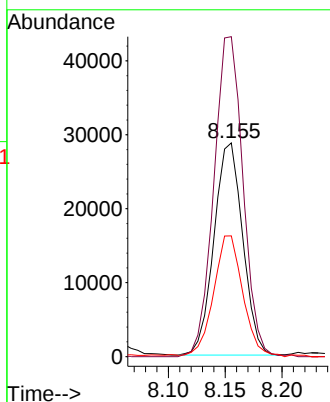
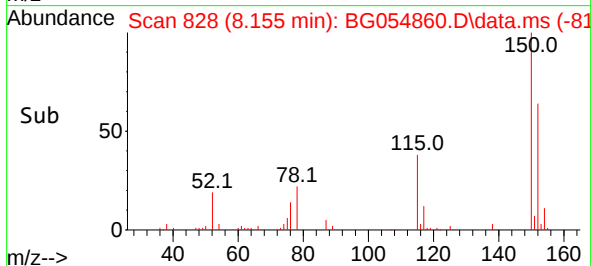
Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



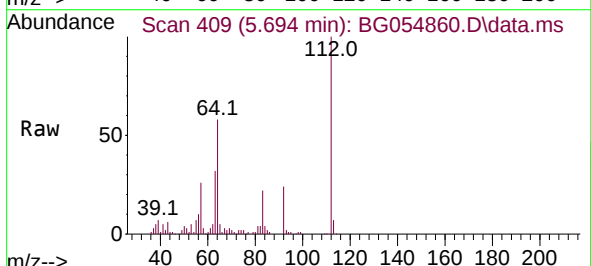
Tgt Ion:152 Resp: 50488
Ion Ratio Lower Upper
152 100
150 149.7 125.2 187.8
115 56.5 47.9 71.9

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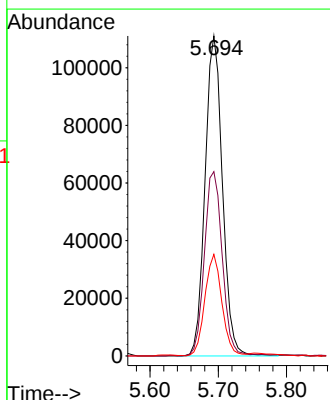
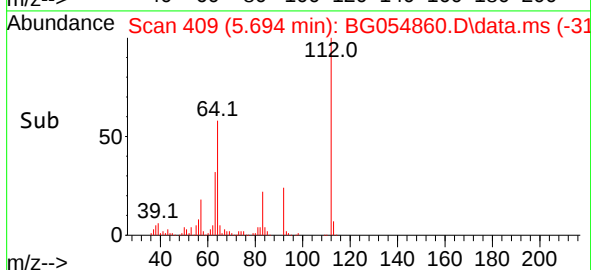
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

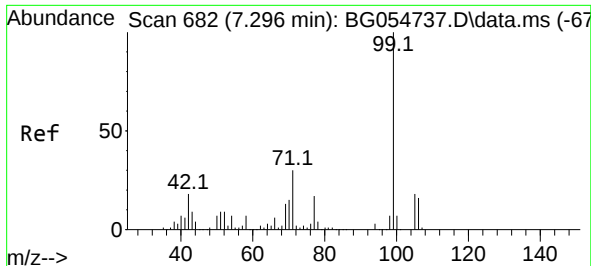


#5
2-Fluorophenol
Concen: 67.653 ng
RT: 5.694 min Scan# 409
Delta R.T. 0.008 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42



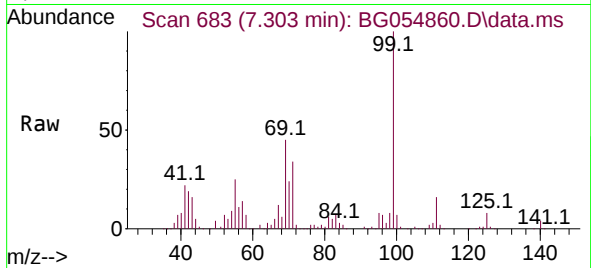
Tgt Ion:112 Resp: 196150
Ion Ratio Lower Upper
112 100
64 57.6 49.3 73.9
63 31.7 26.3 39.5





#7
Phenol-d6
Concen: 65.420 ng
RT: 7.303 min Scan# 682
Delta R.T. 0.008 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

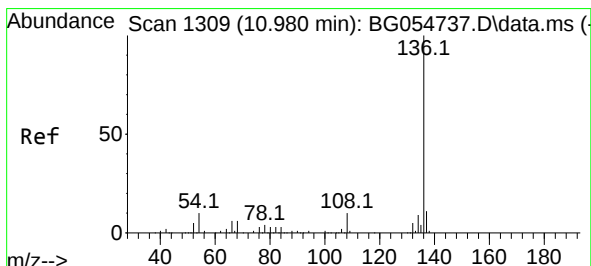
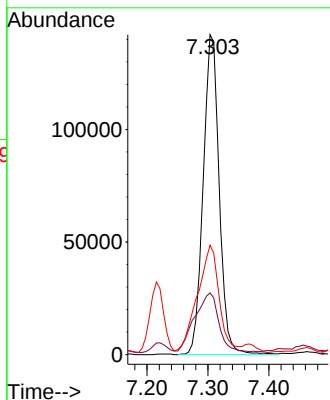
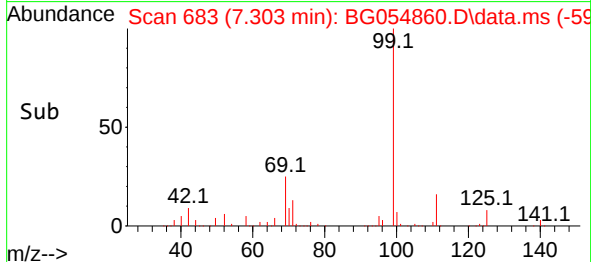
Instrument :
BNA_G
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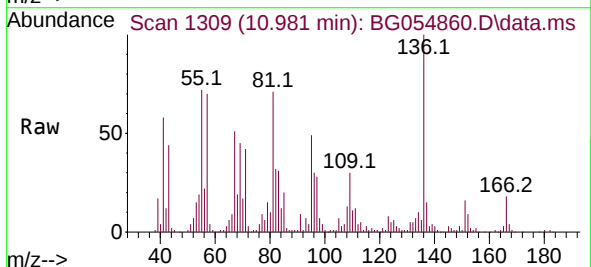
Tgt Ion: 99 Resp: 259398
Ion Ratio Lower Upper
99 100
42 19.3 14.6 22.0
71 34.2 24.6 37.0

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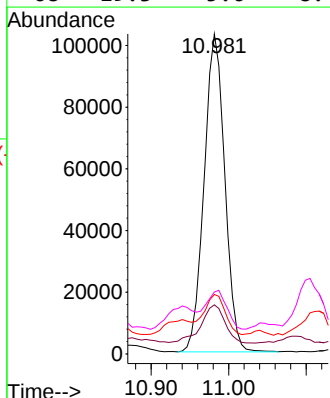
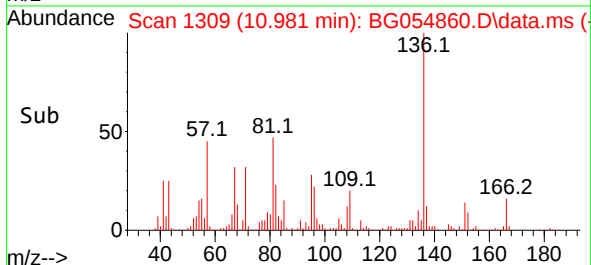
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

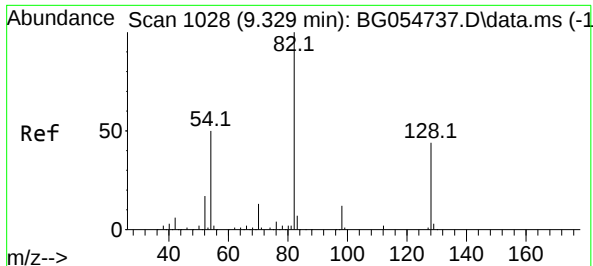


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 1309
Delta R.T. 0.001 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42



Tgt Ion:136 Resp: 191062
Ion Ratio Lower Upper
136 100
137 15.3 9.2 13.8#
54 18.6 7.7 11.5#
68 19.3 5.6 8.4#





#23

Nitrobenzene-d5

Concen: 55.970 ng

RT: 9.325 min Scan# 1028

Delta R.T. -0.004 min

Lab File: BG054860.D

Acq: 6 Sep 2022 20:42

Instrument :

BNA_G

ClientSampleId :

WC-14-B-SP

Tgt Ion: 82 Resp: 203705

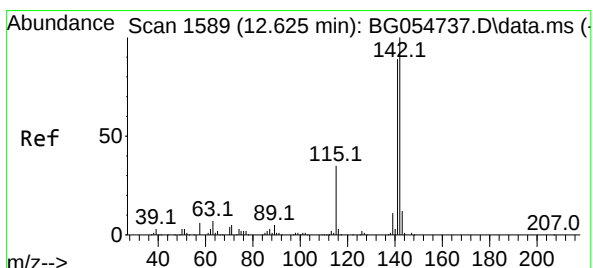
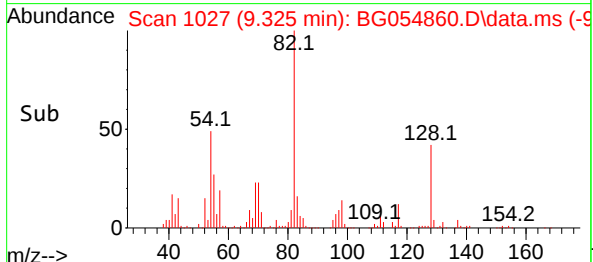
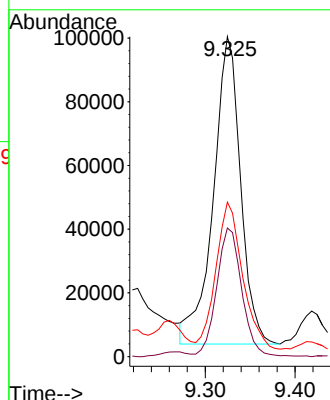
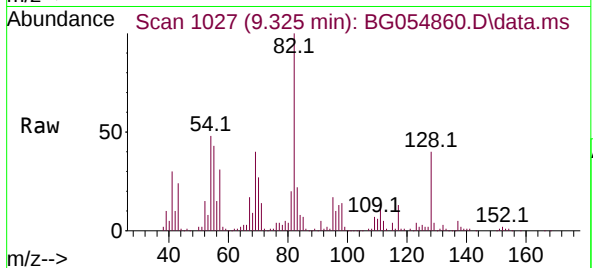
Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.2	48.2
54	48.3	41.4	62.0

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#37

2-Methylnaphthalene

Concen: 4.350 ng

RT: 12.632 min Scan# 1590

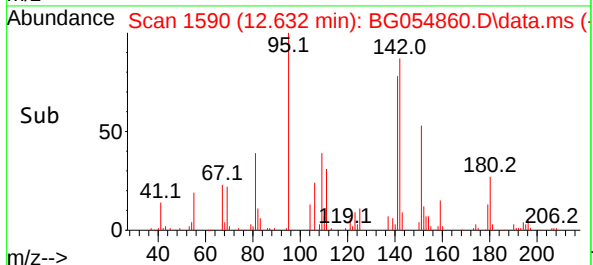
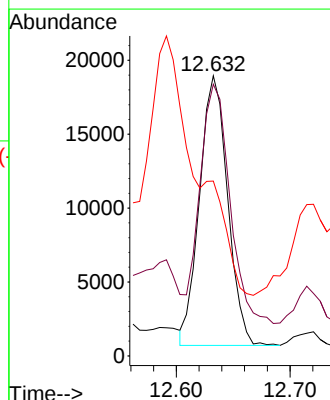
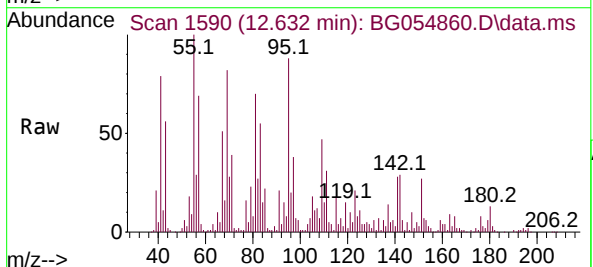
Delta R.T. 0.008 min

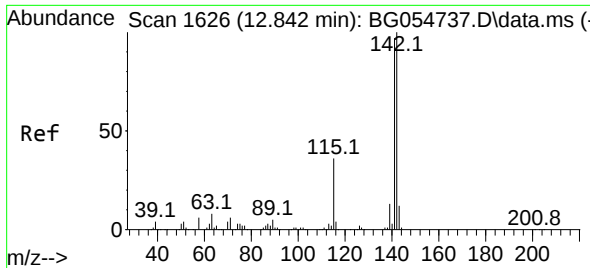
Lab File: BG054860.D

Acq: 6 Sep 2022 20:42

Tgt Ion:142 Resp: 31251

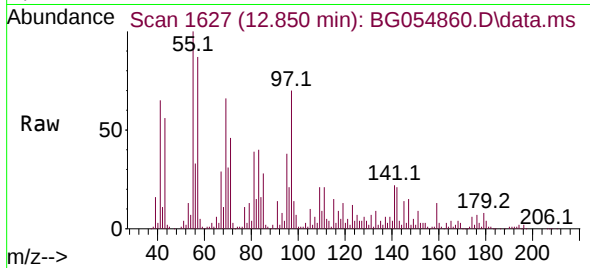
Ion	Ratio	Lower	Upper
142	100		
141	97.0	73.0	109.4
115	62.4	27.3	40.9





#38
1-Methylnaphthalene
Concen: 6.937 ng
RT: 12.850 min Scan# 1627
Delta R.T. 0.008 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

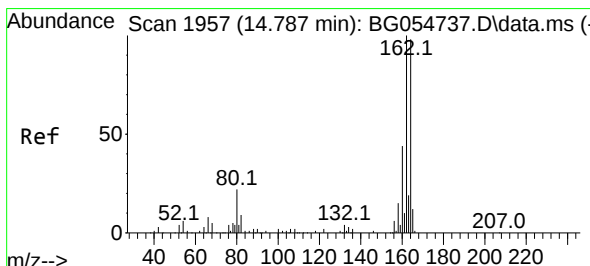
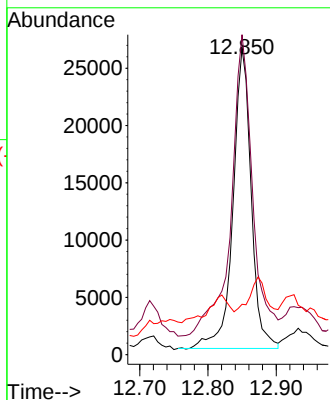
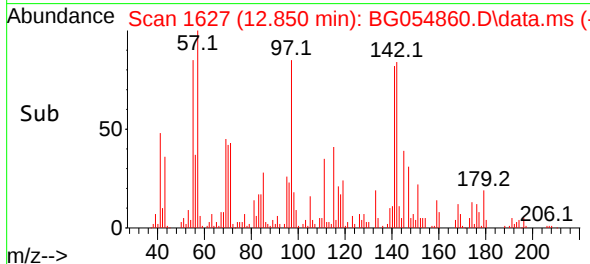
Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



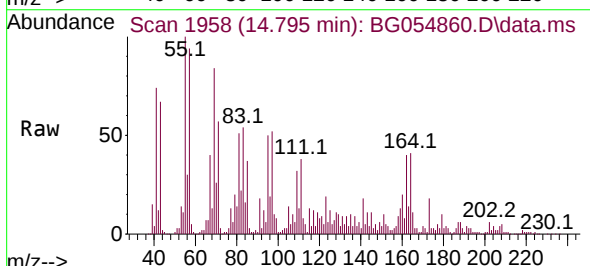
Tgt Ion:142 Resp: 48494
Ion Ratio Lower Upper
142 100
141 104.5 77.4 116.0
116 16.4 3.0 4.4

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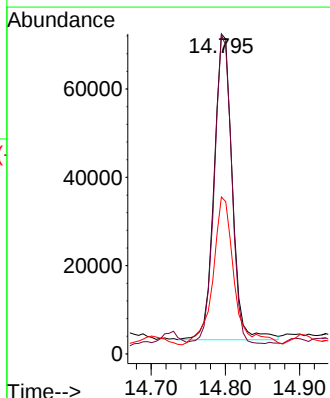
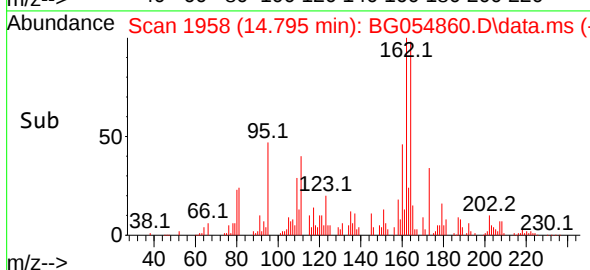
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

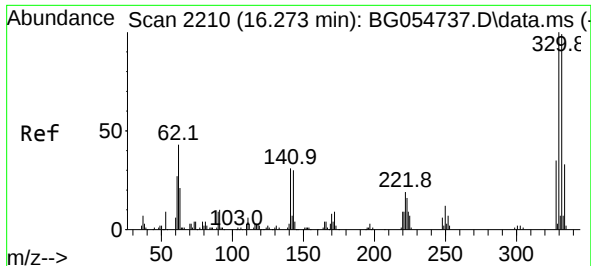


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.795 min Scan# 1958
Delta R.T. 0.008 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42



Tgt Ion:164 Resp: 117481
Ion Ratio Lower Upper
164 100
162 99.7 83.0 124.4
160 49.0 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 61.176 ng
RT: 16.293 min Scan# 2210
Delta R.T. 0.019 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

Instrument :

BNA_G

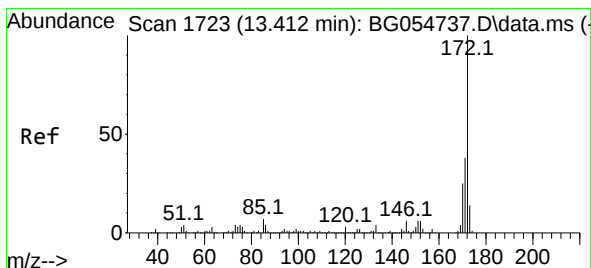
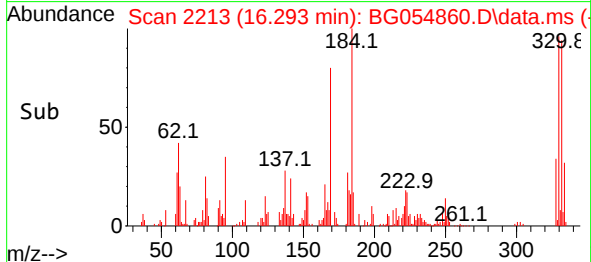
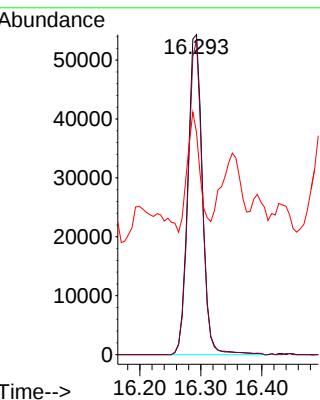
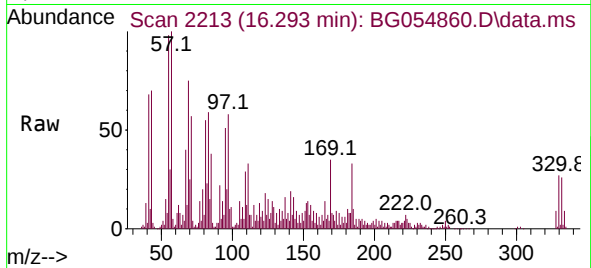
ClientSampleId :

WC-14-B-SP

Tgt Ion:330 Resp: 8980
Ion Ratio Lower Upper
330 100
332 96.2 79.8 119.6
141 32.3 26.8 40.2

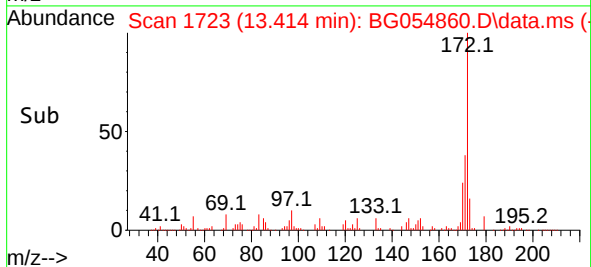
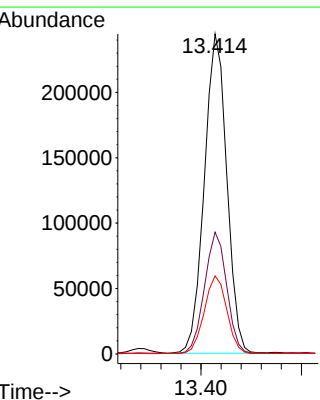
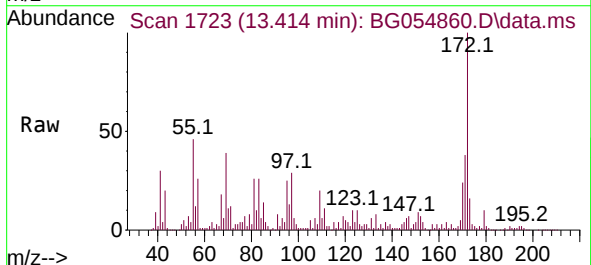
Manual Integrations
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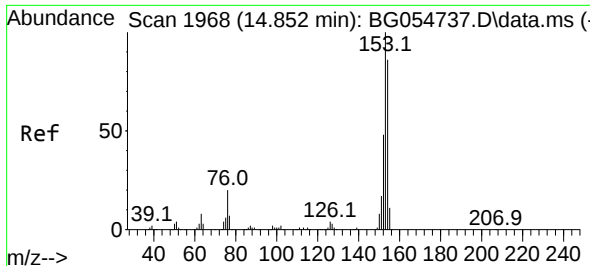
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#45
2-Fluorobiphenyl
Concen: 48.640 ng
RT: 13.414 min Scan# 1723
Delta R.T. 0.002 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

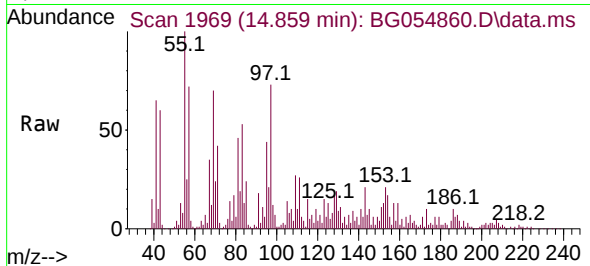
Tgt Ion:172 Resp: 380190
Ion Ratio Lower Upper
172 100
171 38.0 31.2 46.8
170 24.4 20.6 30.8





#52
Acenaphthene
Concen: 6.702 ng
RT: 14.859 min Scan# 1968
Delta R.T. 0.008 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

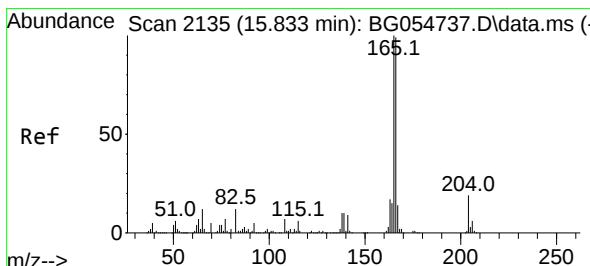
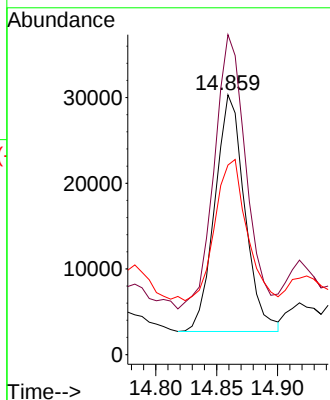
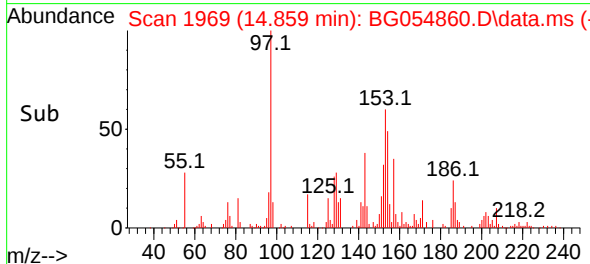
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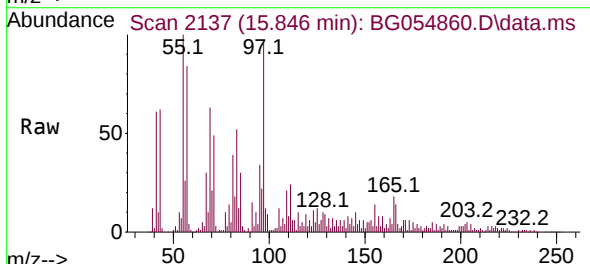
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Ion Ratio Lower Upper
154 100
153 123.2 92.8 139.2
152 73.0 45.4 68.2

Manual Integrations
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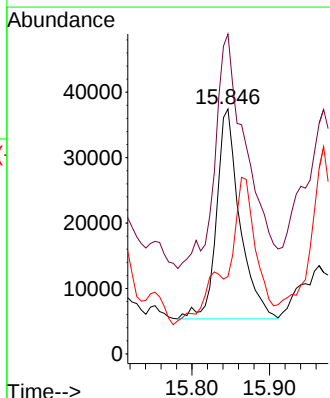
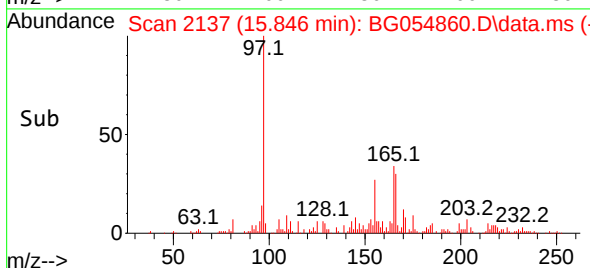
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

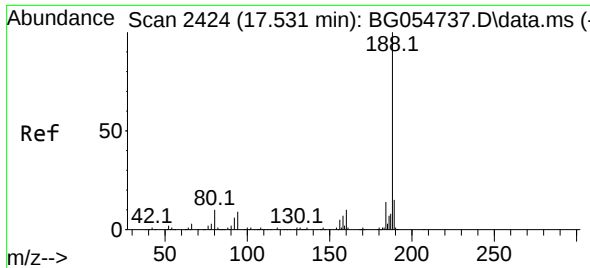


#58
Fluorene
Concen: 7.730 ng
RT: 15.846 min Scan# 2137
Delta R.T. 0.014 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42



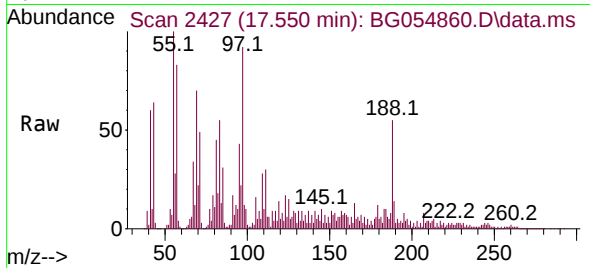
Tgt Ion:166 Resp: 67203
Ion Ratio Lower Upper
166 100
165 130.7 80.8 121.2#
167 31.6 11.4 17.0#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.550 min Scan# 2427
Delta R.T. 0.019 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

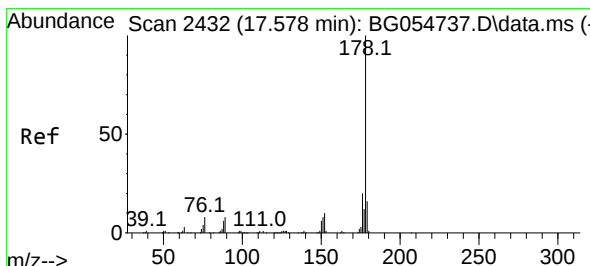
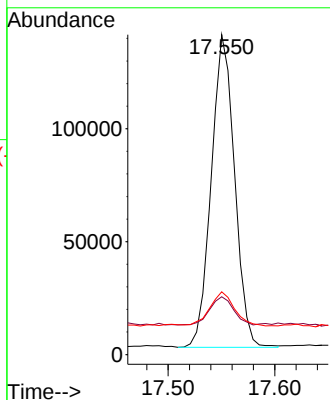
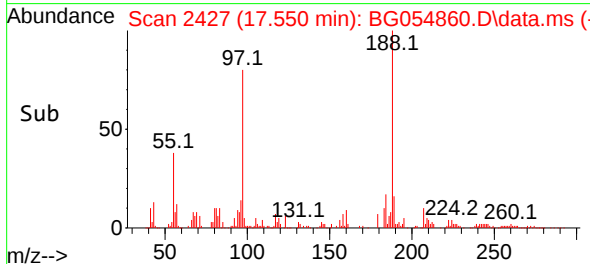
Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



Tgt Ion:188 Resp: 210645
Ion Ratio Lower Upper
188 100
94 18.1 7.0 10.4
80 19.6 7.9 11.9

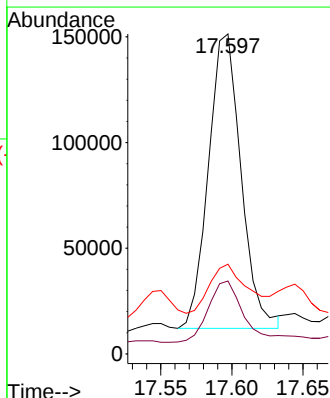
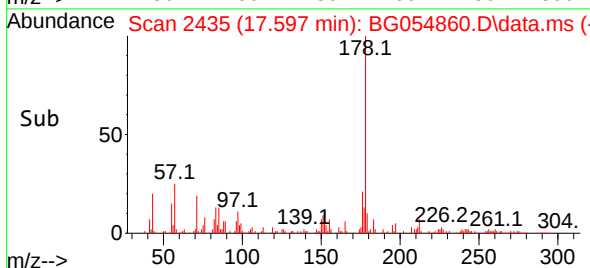
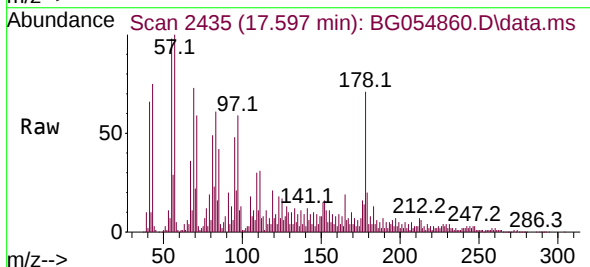
Manual Integrations
APPROVED

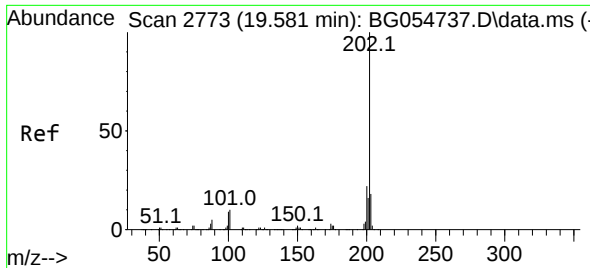
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#71
Phenanthrene
Concen: 19.831 ng
RT: 17.597 min Scan# 2435
Delta R.T. 0.019 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

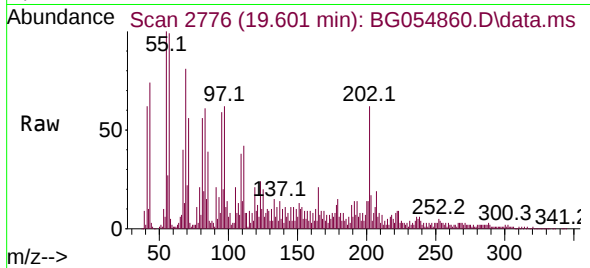
Tgt Ion:178 Resp: 222533
Ion Ratio Lower Upper
178 100
176 22.8 16.6 25.0
179 28.0 12.8 19.2





#75
Fluoranthene
Concen: 12.620 ng
RT: 19.601 min Scan# 21
Delta R.T. 0.019 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

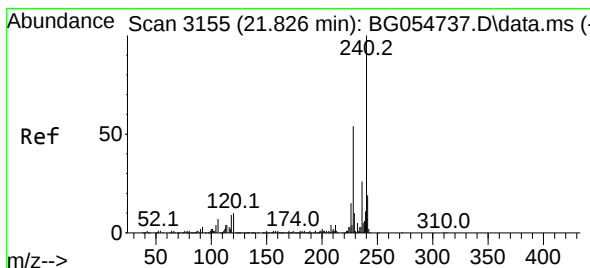
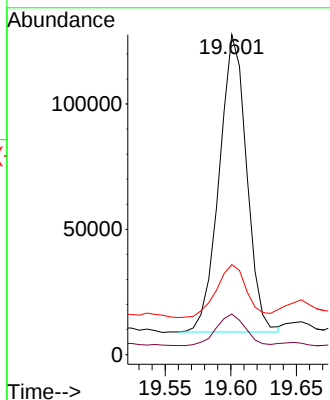
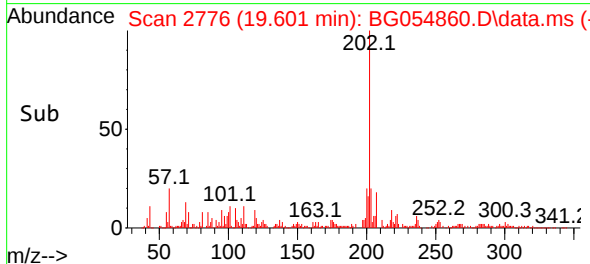
Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



Tgt Ion:202 Resp: 172266
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.4
203 28.1 0.0 38.6

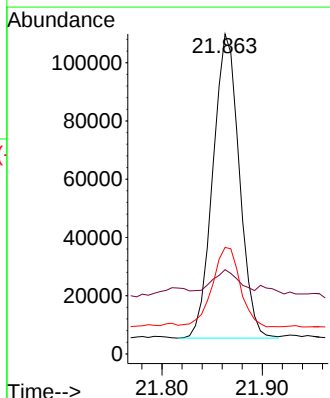
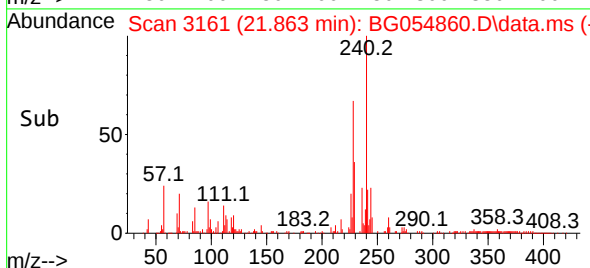
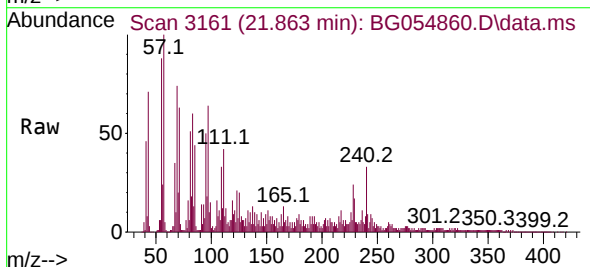
Manual Integrations
APPROVED

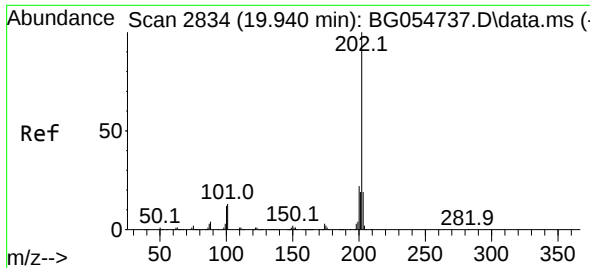
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3161
Delta R.T. 0.037 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

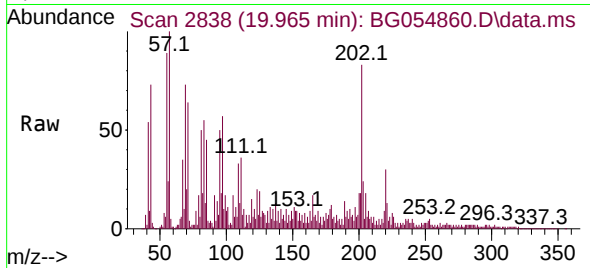
Tgt Ion:240 Resp: 190884
Ion Ratio Lower Upper
240 100
120 26.3 8.2 12.4#
236 33.3 21.2 31.8#





#78
Pyrene
Concen: 25.407 ng
RT: 19.965 min Scan# 2838
Delta R.T. 0.025 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

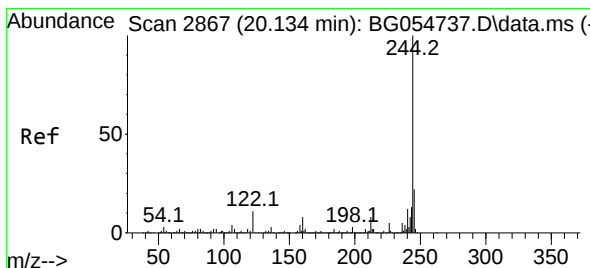
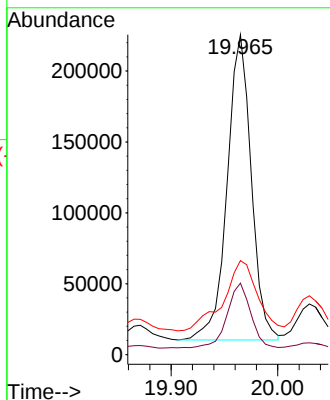
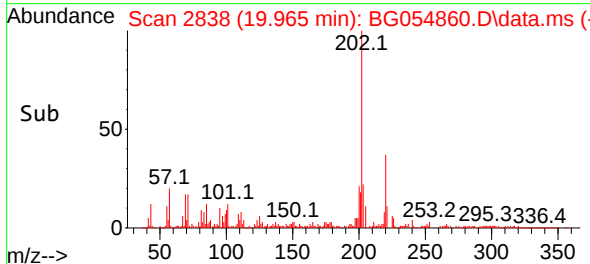
Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



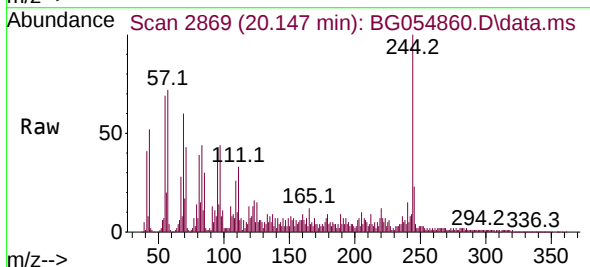
Tgt Ion:202 Resp: 338175
Ion Ratio Lower Upper
202 100
200 22.3 17.8 26.6
203 29.4 14.6 21.8

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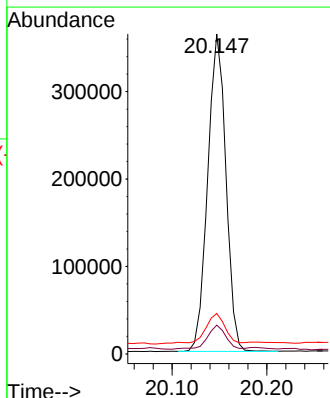
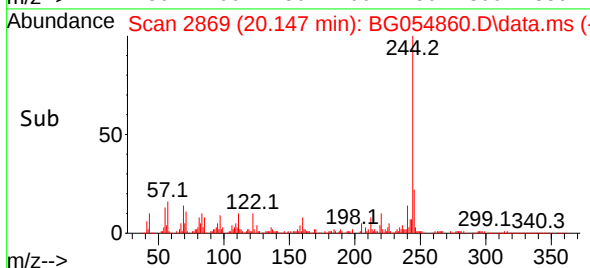
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

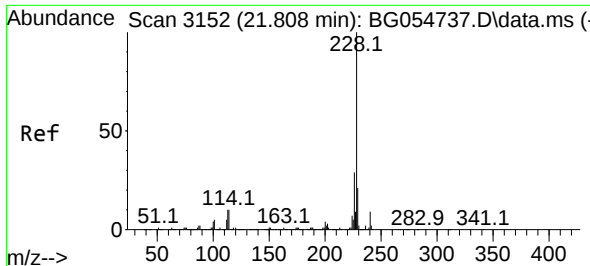


#79
Terphenyl-d14
Concen: 50.298 ng
RT: 20.147 min Scan# 2869
Delta R.T. 0.014 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42



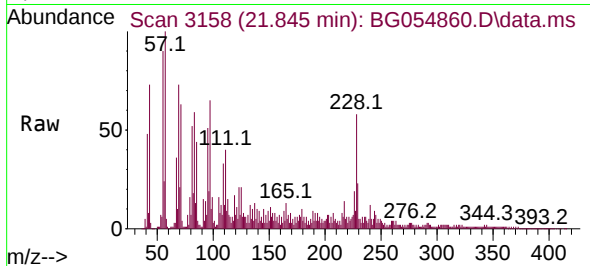
Tgt Ion:244 Resp: 484567
Ion Ratio Lower Upper
244 100
212 9.0 6.2 9.2
122 12.6 9.0 13.6





#81
Benzo(a)anthracene
Concen: 26.935 ng
RT: 21.845 min Scan# 3152
Delta R.T. 0.037 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

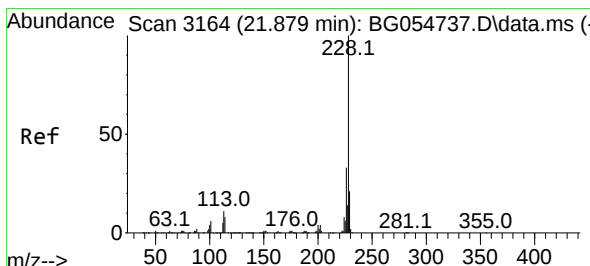
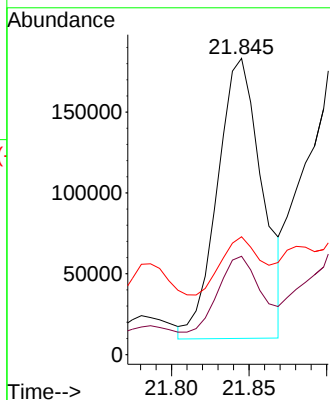
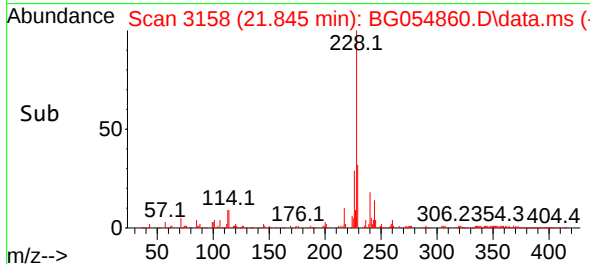
Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



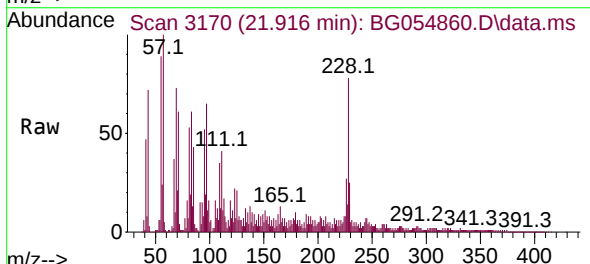
Tgt Ion:228 Resp: 348604
Ion Ratio Lower Upper
228 100
226 33.2 23.4 35.2
229 39.8 16.5 24.7

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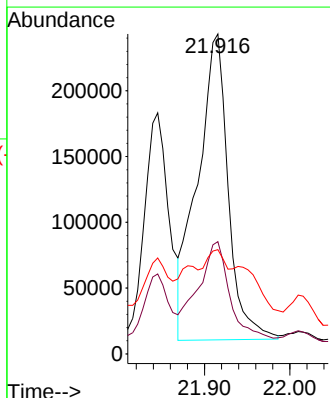
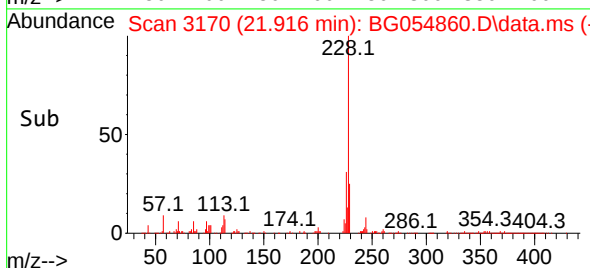
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

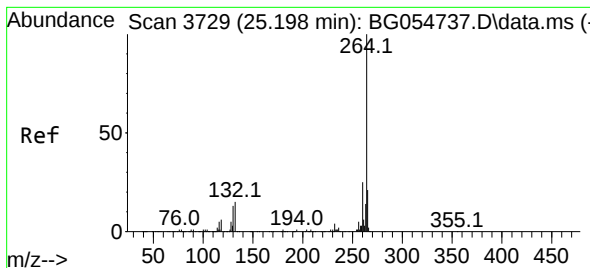


#83
Chrysene
Concen: 47.188 ng
RT: 21.916 min Scan# 3170
Delta R.T. 0.037 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42



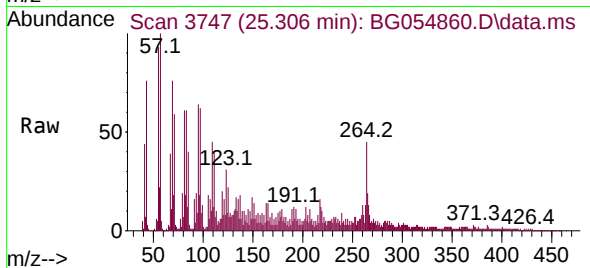
Tgt Ion:228 Resp: 583947
Ion Ratio Lower Upper
228 100
226 35.1 25.5 38.3
229 32.6 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.306 min Scan# 31
Delta R.T. 0.108 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

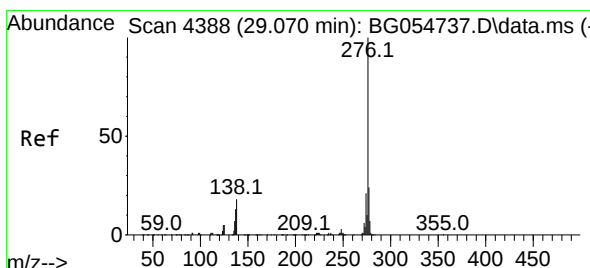
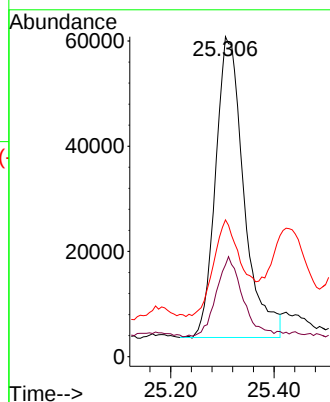
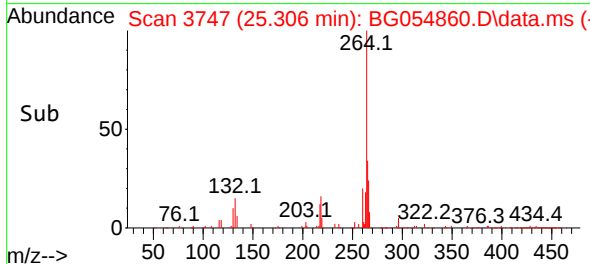
Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



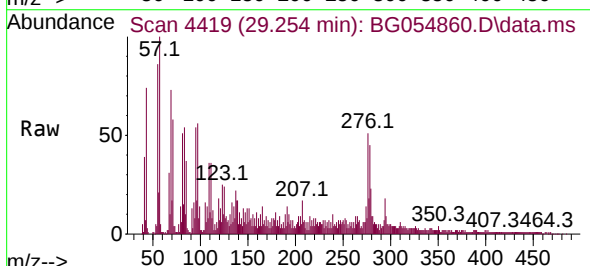
Tgt Ion:264 Resp: 21792
Ion Ratio Lower Upper
264 100
260 28.7 19.9 29.9
265 42.7 16.9 25.3

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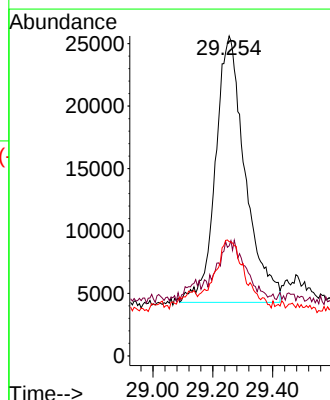
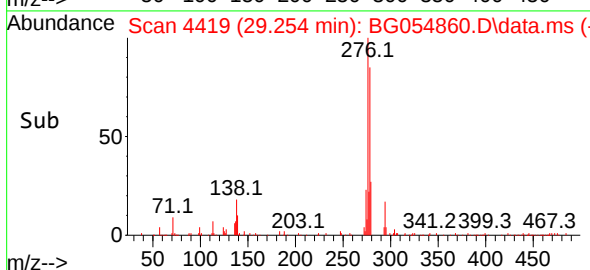
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

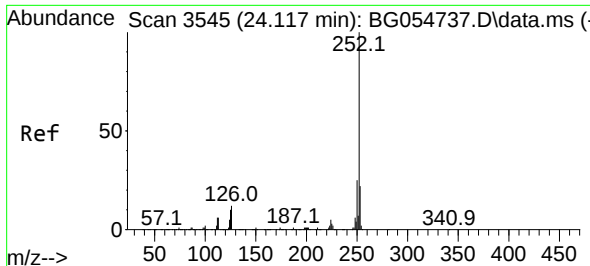


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.885 ng
RT: 29.254 min Scan# 4419
Delta R.T. 0.184 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42



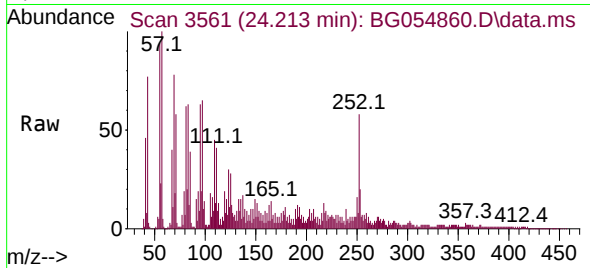
Tgt Ion:276 Resp: 147000
Ion Ratio Lower Upper
276 100
138 0.0 12.0 18.0#
277 21.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 24.363 ng m
RT: 24.213 min Scan# 3561
Delta R.T. 0.096 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

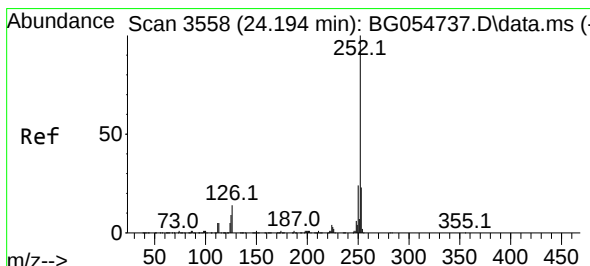
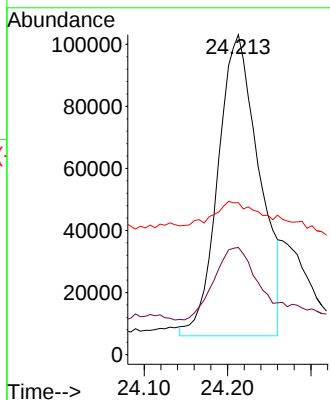
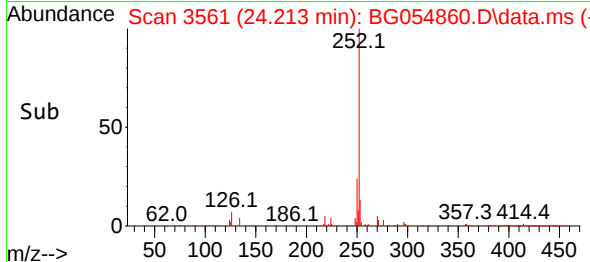
Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



Tgt Ion:252 Resp: 333055
Ion Ratio Lower Upper
252 100
253 33.5 18.0 27.0#
125 47.5 8.1 12.1#

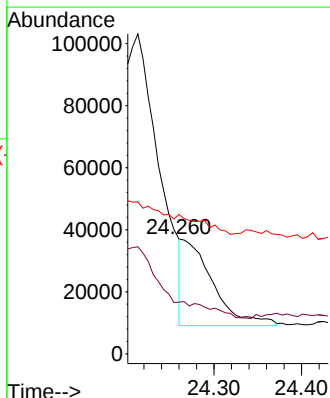
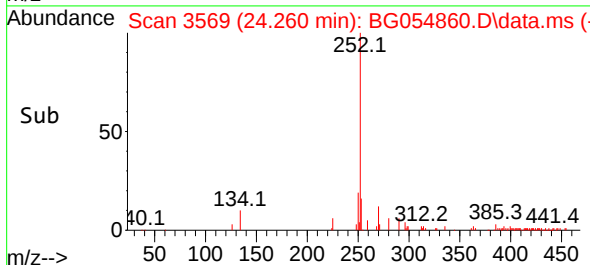
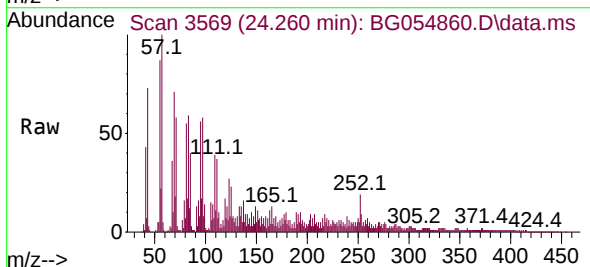
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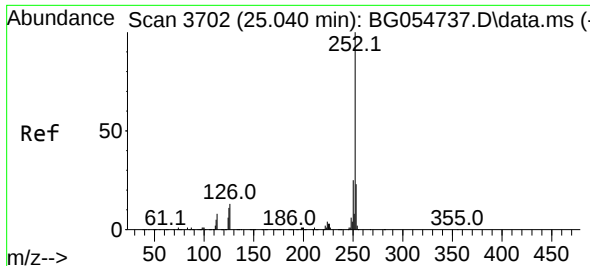
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022



#89
Benzo(k)fluoranthene
Concen: 4.913 ng m
RT: 24.260 min Scan# 3569
Delta R.T. 0.066 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

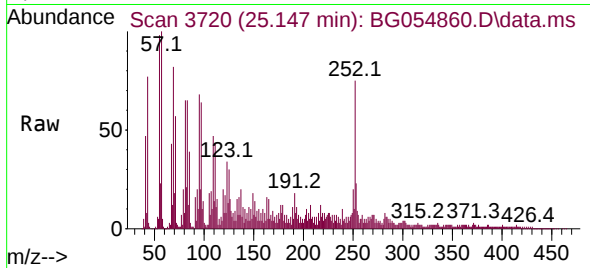
Tgt Ion:252 Resp: 67593
Ion Ratio Lower Upper
252 100
253 45.1 17.8 26.8#
125 121.4 8.2 12.4#





#90
Benzo(a)pyrene
Concen: 31.353 ng
RT: 25.147 min Scan# 31
Delta R.T. 0.108 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

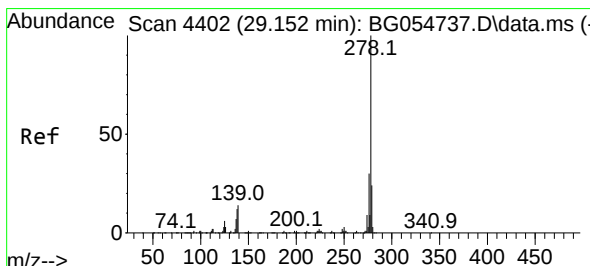
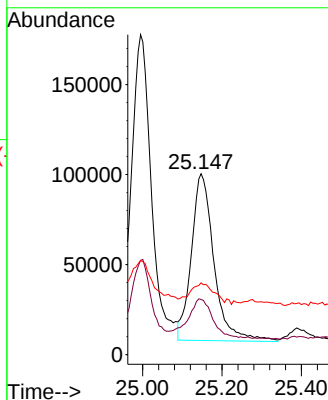
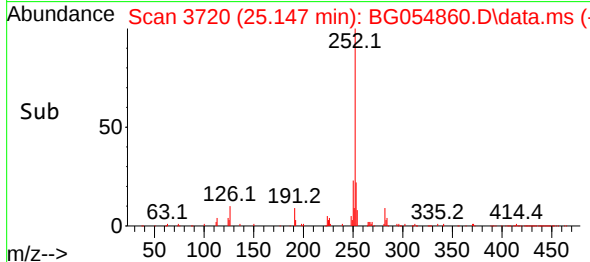
Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



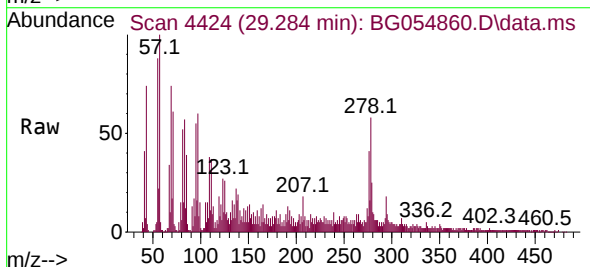
Tgt Ion:252 Resp: 366189
Ion Ratio Lower Upper
252 100
253 30.4 18.3 27.5#
125 39.7 8.8 13.2#

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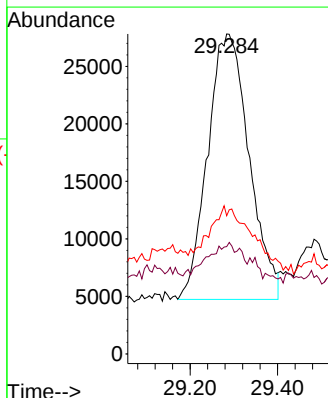
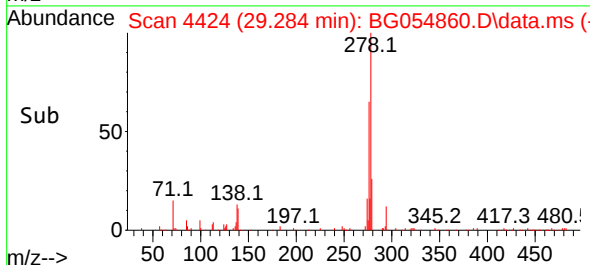
Reviewed By :Christian Giraldo 09/07/2022
Supervised By :Jagrut Upadhyay 09/07/2022

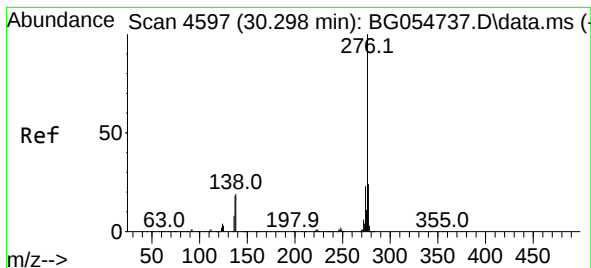


#91
Dibenzo(a,h)anthracene
Concen: 11.268 ng
RT: 29.284 min Scan# 4424
Delta R.T. 0.131 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42



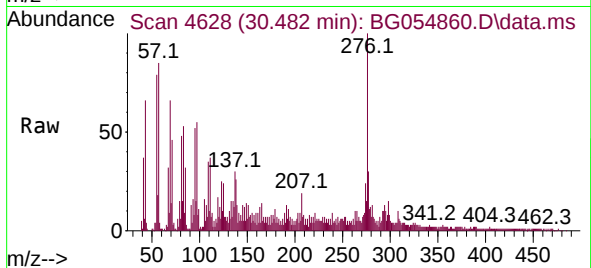
Tgt Ion:278 Resp: 151873
Ion Ratio Lower Upper
278 100
139 33.5 11.4 17.2#
279 43.2 19.3 28.9#





#92
Benzo(g,h,i)perylene
Concen: 18.286 ng
RT: 30.482 min Scan# 4628
Delta R.T. 0.184 min
Lab File: BG054860.D
Acq: 6 Sep 2022 20:42

Instrument :
BNA_G
ClientSampleId :
WC-14-B-SP



Tgt Ion:276 Resp: 248990
Ion Ratio Lower Upper
276 100
277 30.1 19.4 29.0
138 25.6 16.6 25.0

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Supervised By :Jagrut Upadhyay 09/07/2022

