

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
 Data File : BG054958.D
 Acq On : 15 Sep 2022 16:13
 Operator : CG/JU
 Sample : N4597-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-COMP

Manual Integrations
 APPROVED

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

Quant Time: Sep 16 05:29:43 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	8.128	152	34616	20.000	ng	0.00
21) Naphthalene-d8	10.955	136	142139	20.000	ng	# 0.00
39) Acenaphthene-d10	14.768	164	100773	20.000	ng	0.00
64) Phenanthrene-d10	17.517	188	231895	20.000	ng	0.00
76) Chrysene-d12	21.812	240	225552	20.000	ng	0.00
86) Perylene-d12	25.185	264	242251	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	193328	97.254	ng	0.00
7) Phenol-d6	7.288	99	262967	96.730	ng	0.00
23) Nitrobenzene-d5	9.304	82	154649	57.117	ng	0.00
42) 2,4,6-Tribromophenol	16.260	330	125396	99.582	ng	0.00
45) 2-Fluorobiphenyl	13.387	172	405165	60.430	ng	0.00
79) Terphenyl-d14	20.114	244	680249	59.757	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.559	178	153097	12.393	ng	97
72) Anthracene	17.653	178	31314	2.607	ng	98
75) Fluoranthene	19.568	202	408576	27.188	ng	97
78) Pyrene	19.926	202	338633	21.531	ng	99
81) Benzo(a)anthracene	21.789	228	229497	15.007	ng	98
83) Chrysene	21.859	228	189460	12.957	ng	99
87) Indeno(1,2,3-cd)pyrene	29.069	276	119963	6.523	ng	# 96
88) Benzo(b)fluoranthene	24.104	252	256563	16.883	ng	97
89) Benzo(k)fluoranthene	24.163	252	95375m	6.236	ng	
90) Benzo(a)pyrene	25.020	252	185382	14.278	ng	97
91) Dibenzo(a,h)anthracene	29.116	278	34895	2.329	ng	95
92) Benzo(g,h,i)perylene	30.291	276	107796	7.122	ng	96

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

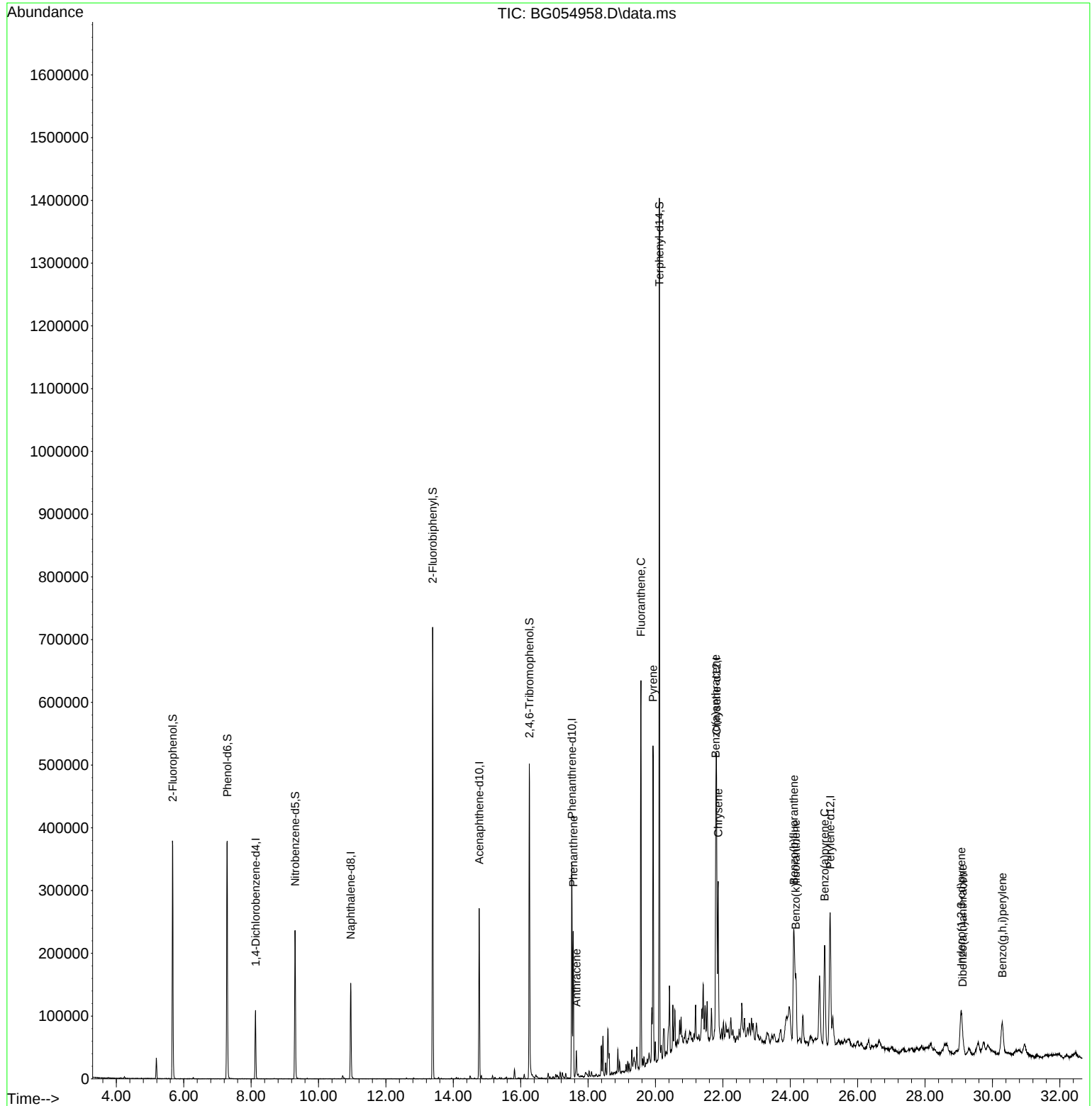
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
Data File : BG054958.D
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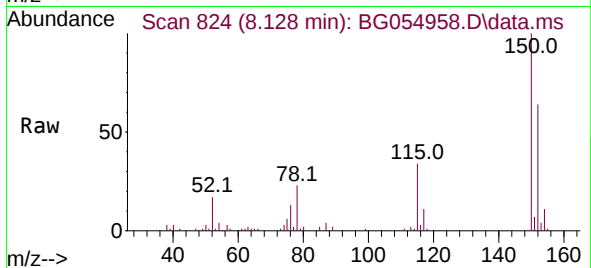
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.128 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

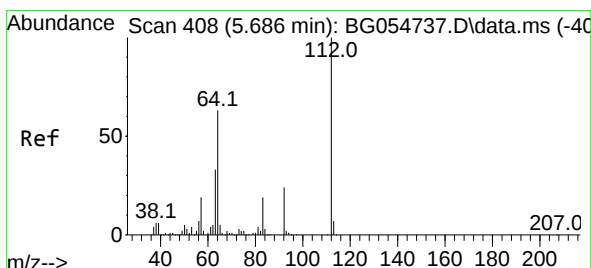
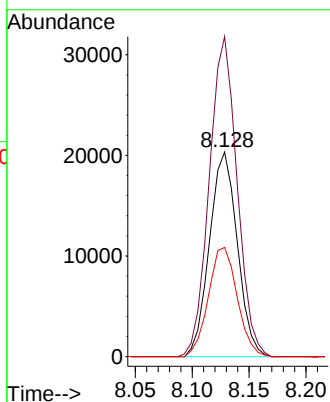
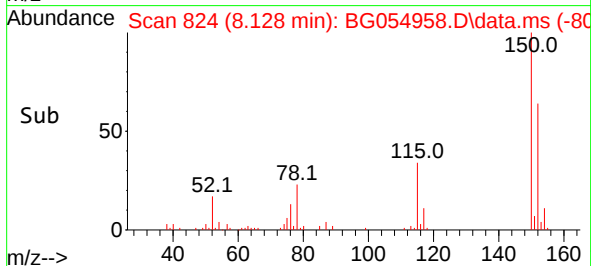
Instrument :
BNA_G
ClientSampleId :
SB-01-COMP



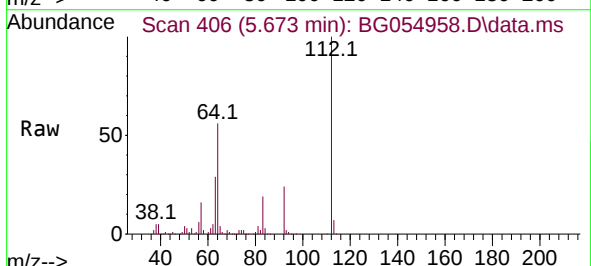
Tgt Ion:152 Resp: 34616
Ion Ratio Lower Upper
152 100
150 156.4 125.2 187.8
115 53.4 47.9 71.9

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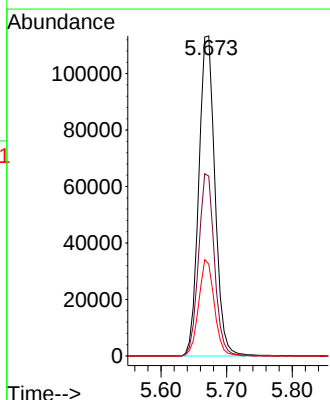
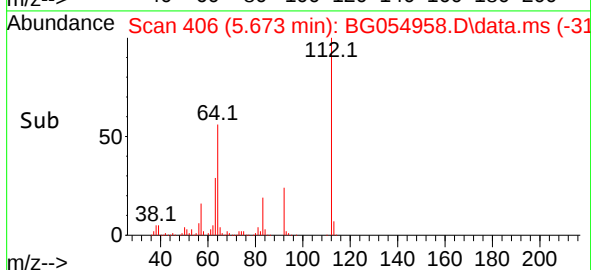
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#5
2-Fluorophenol
Concen: 97.254 ng
RT: 5.673 min Scan# 406
Delta R.T. -0.000 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13



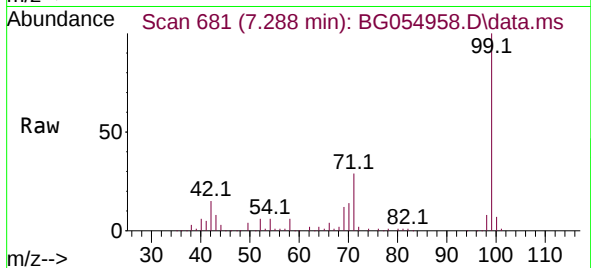
Tgt Ion:112 Resp: 193328
Ion Ratio Lower Upper
112 100
64 56.2 49.3 73.9
63 28.7 26.3 39.5





#7
Phenol-d6
Concen: 96.730 ng
RT: 7.288 min Scan# 681
Delta R.T. -0.000 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

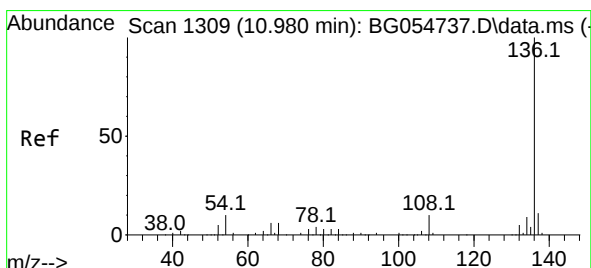
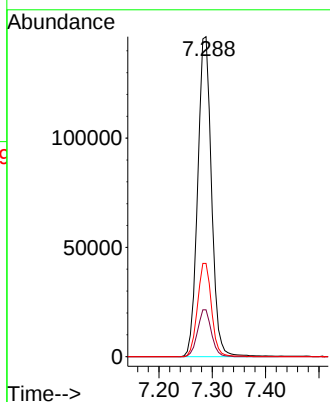
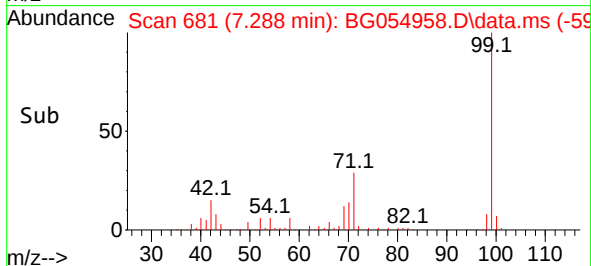
Instrument :
BNA_G
ClientSampleId :
SB-01-COMP



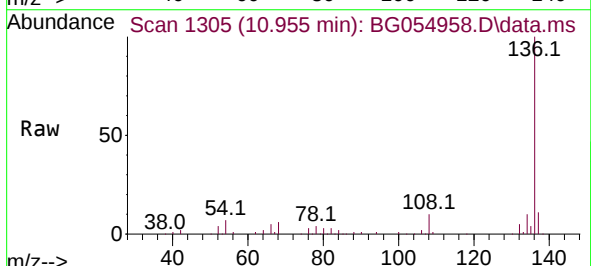
Tgt Ion: 99 Resp: 262962
Ion Ratio Lower Upper
99 100
42 14.6 14.6 22.0#
71 29.1 24.6 37.0#

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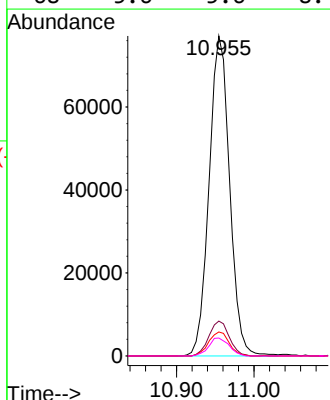
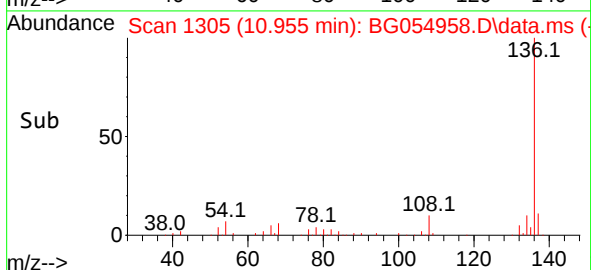
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

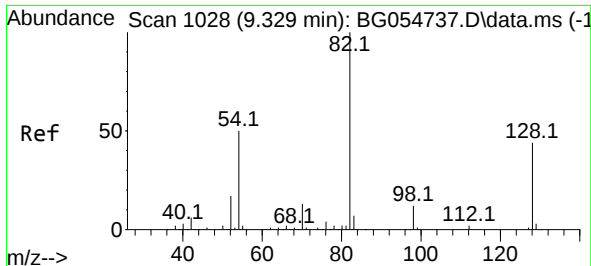


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.955 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13



Tgt Ion:136 Resp: 142139
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.5 7.7 11.5#
68 5.6 5.6 8.4#





#23

Nitrobenzene-d5

Concen: 57.117 ng

RT: 9.304 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BG054958.D

Acq: 15 Sep 2022 16:13

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

Tgt Ion: 82 Resp: 154649

Ion Ratio Lower Upper

82 100

128 46.5 32.2 48.2

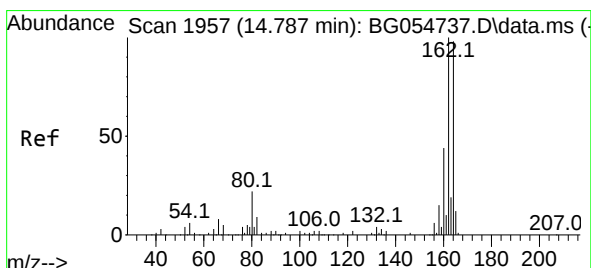
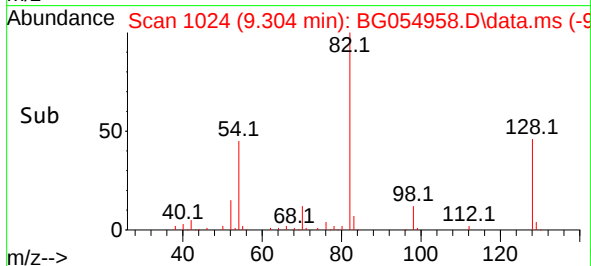
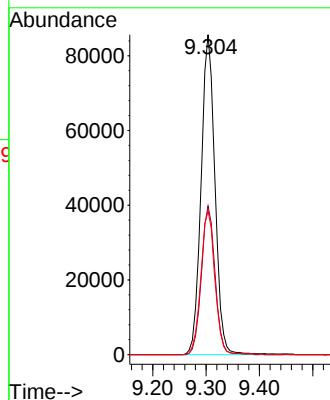
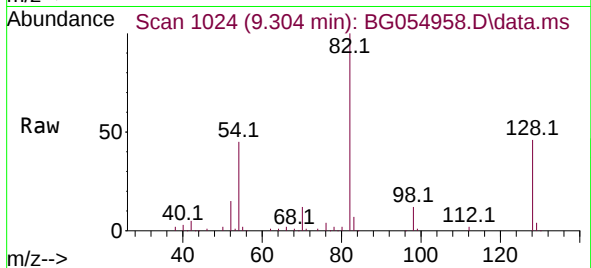
54 44.9 41.4 62.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.768 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BG054958.D

Acq: 15 Sep 2022 16:13

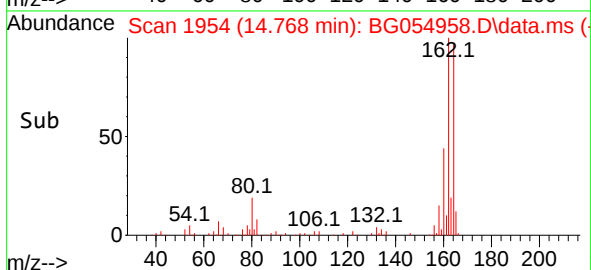
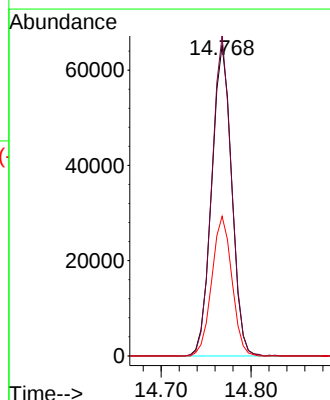
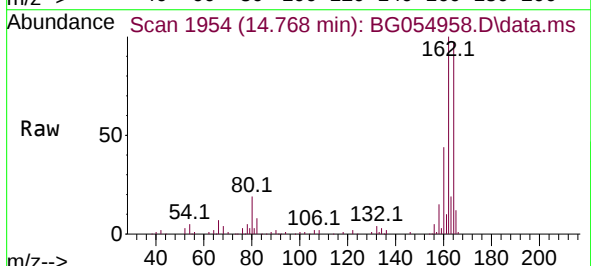
Tgt Ion:164 Resp: 100773

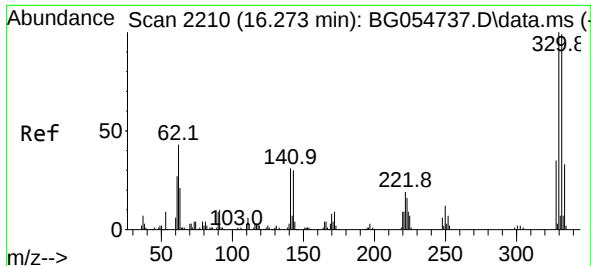
Ion Ratio Lower Upper

164 100

162 103.0 83.0 124.4

160 44.9 38.0 57.0





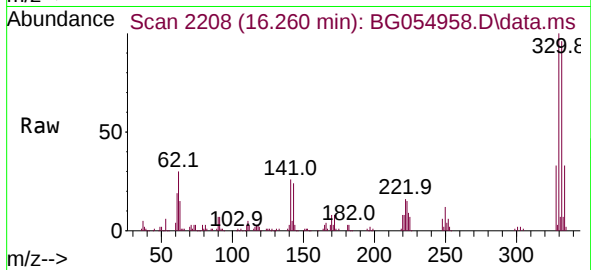
#42
2,4,6-Tribromophenol
Concen: 99.582 ng
RT: 16.260 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

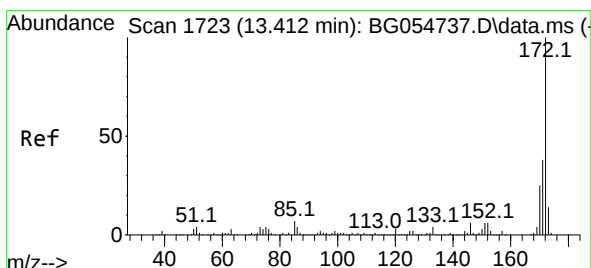
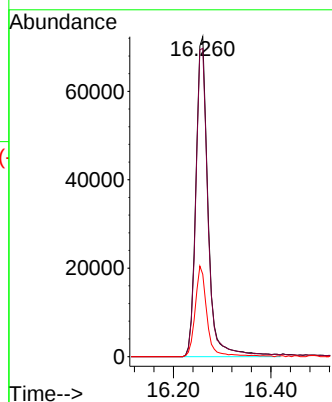
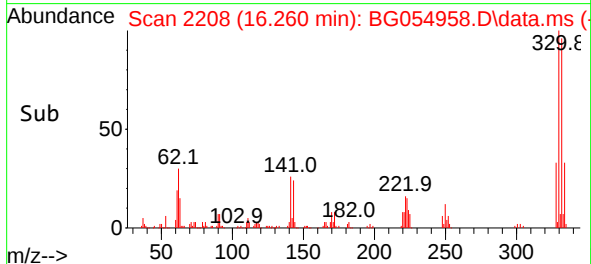


Tgt Ion:330 Resp: 125396
Ion Ratio Lower Upper
330 100
332 95.6 79.8 119.6
141 27.5 26.8 40.2

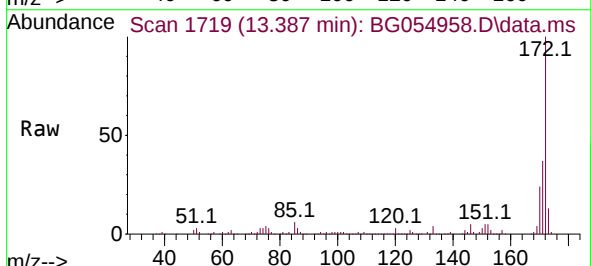
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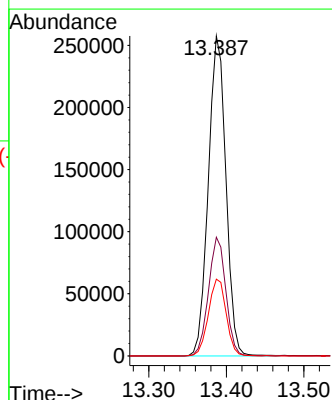
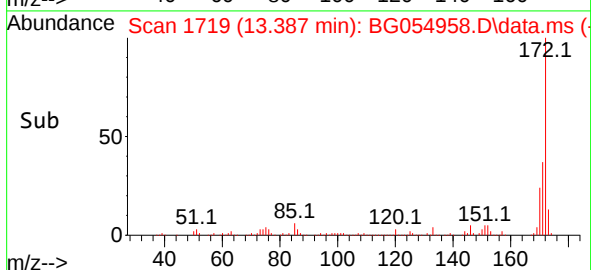
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Supervised By :Jagrut Upadhyay 09/16/2022

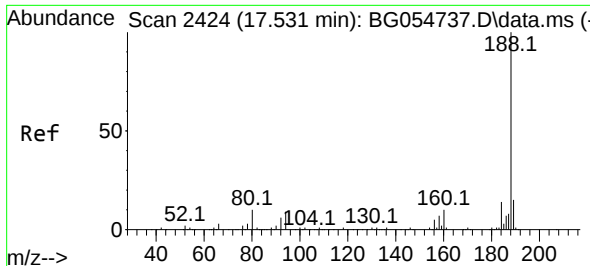


#45
2-Fluorobiphenyl
Concen: 60.430 ng
RT: 13.387 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13



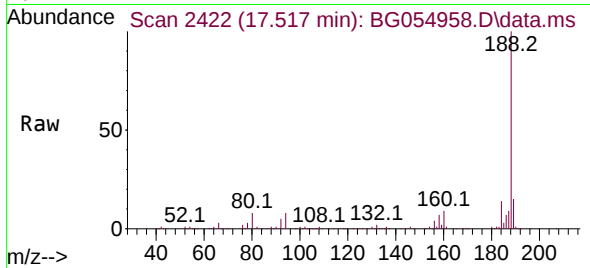
Tgt Ion:172 Resp: 405165
Ion Ratio Lower Upper
172 100
171 37.1 31.2 46.8
170 24.0 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.517 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

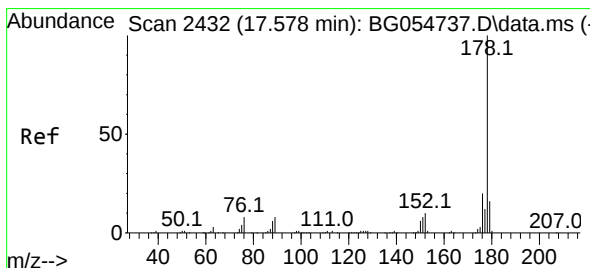
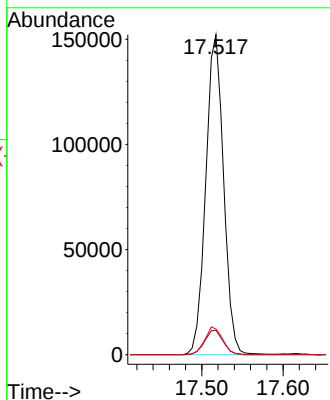
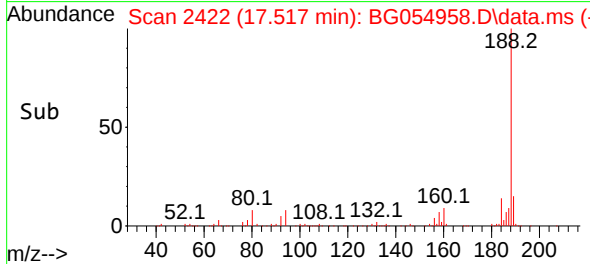
Instrument :
BNA_G
ClientSampleId :
SB-01-COMP



Tgt Ion:188 Resp: 231895
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.4
80 8.0 7.9 11.9

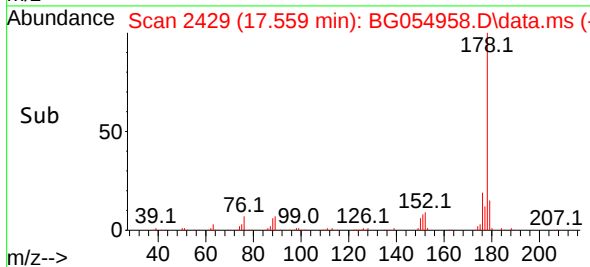
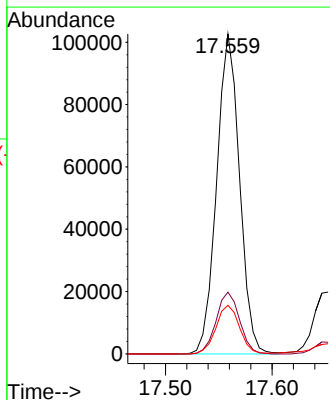
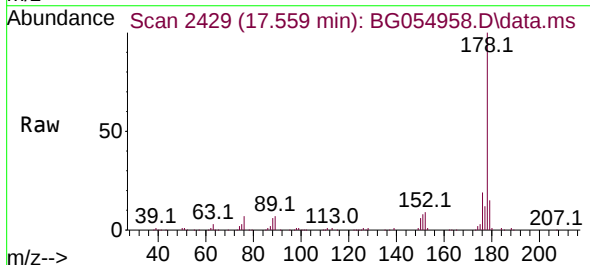
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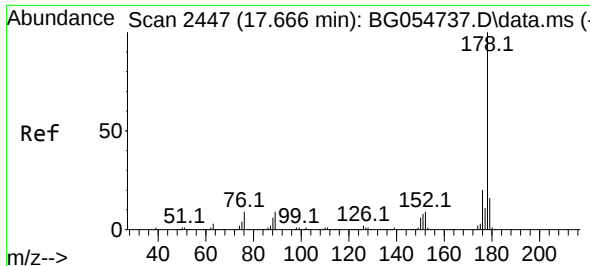
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#71
Phenanthrene
Concen: 12.393 ng
RT: 17.559 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

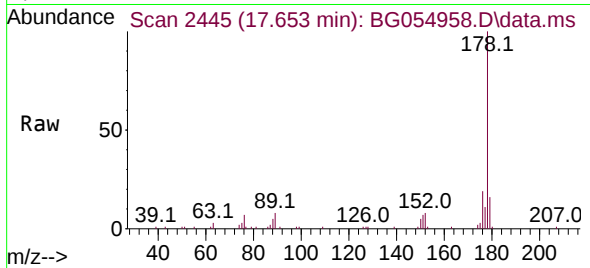
Tgt Ion:178 Resp: 153097
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.2 12.8 19.2





#72
 Anthracene
 Concen: 2.607 ng
 RT: 17.653 min Scan# 2445
 Delta R.T. -0.006 min
 Lab File: BG054958.D
 Acq: 15 Sep 2022 16:13

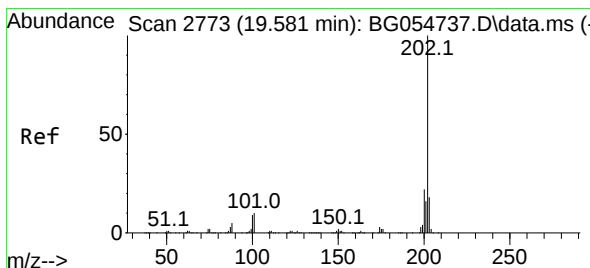
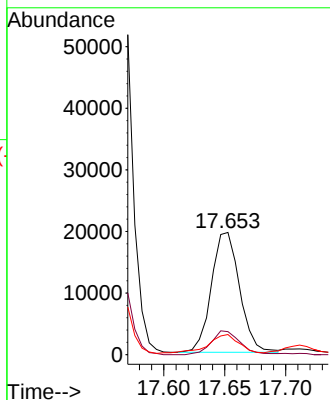
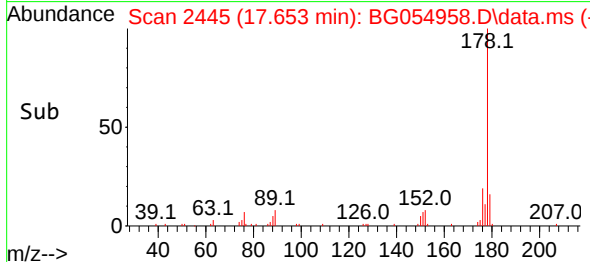
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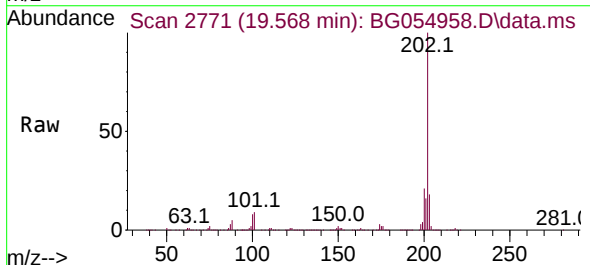
Tgt Ion:178 Resp: 31314
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 16.4 12.9 19.3

Manual Integrations
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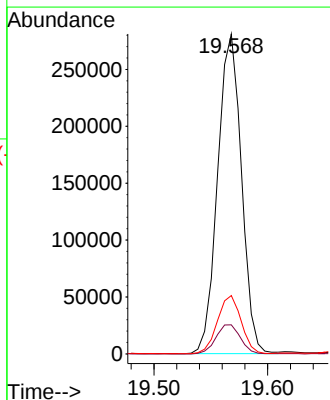
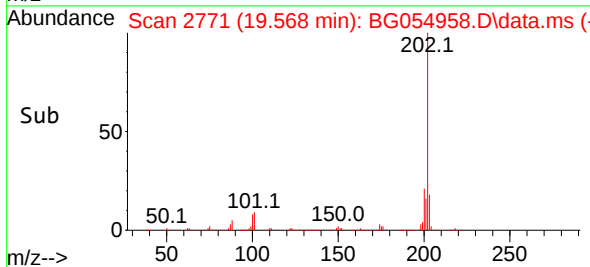
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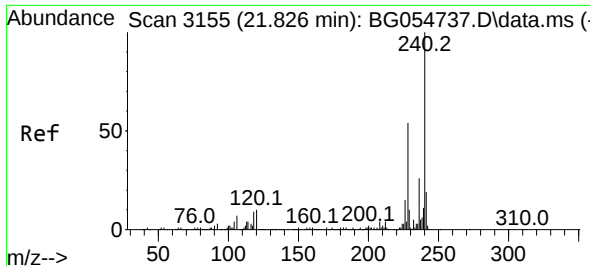


#75
 Fluoranthene
 Concen: 27.188 ng
 RT: 19.568 min Scan# 2771
 Delta R.T. -0.000 min
 Lab File: BG054958.D
 Acq: 15 Sep 2022 16:13



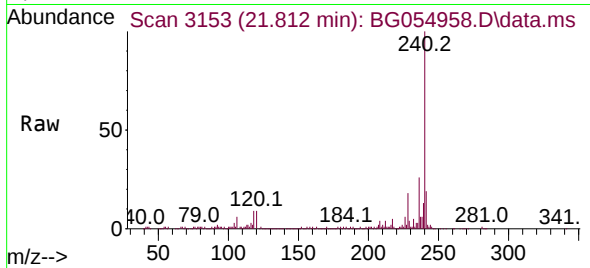
Tgt Ion:202 Resp: 408576
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 31.4
 203 18.2 0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.812 min Scan# 3155
Delta R.T. -0.006 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

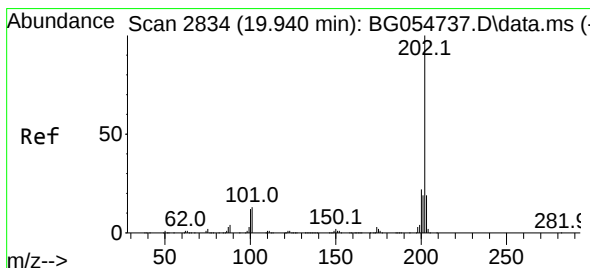
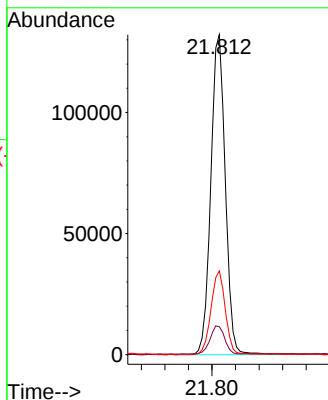
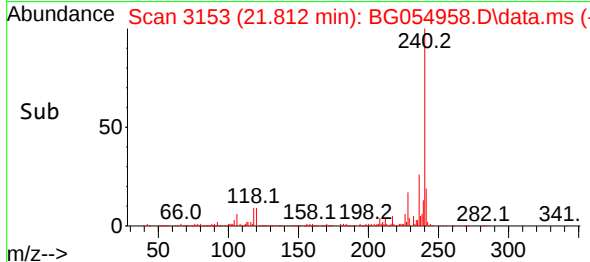
Instrument :
BNA_G
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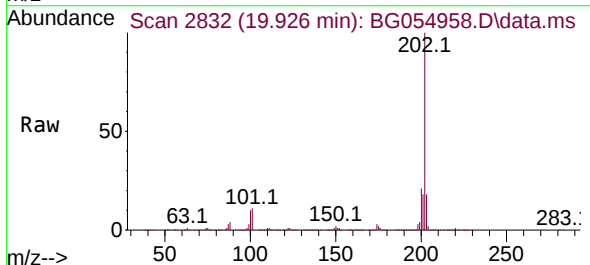
Tgt Ion:240 Resp: 225552
Ion Ratio Lower Upper
240 100
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236 26.2 21.2 31.8

Manual Integrations
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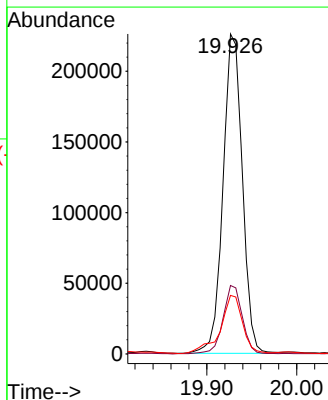
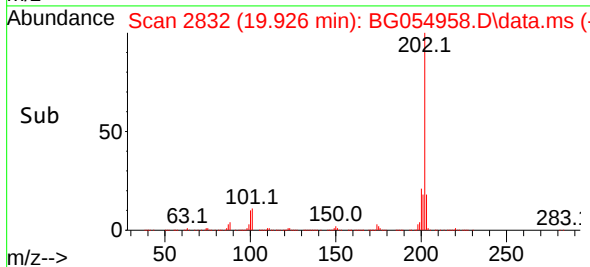
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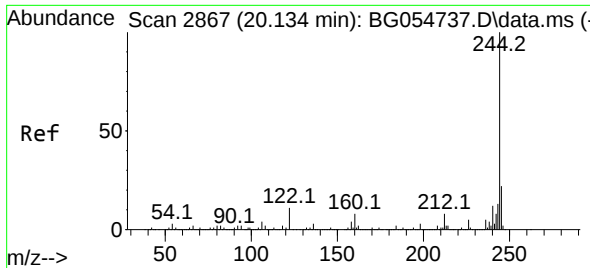


#78
Pyrene
Concen: 21.531 ng
RT: 19.926 min Scan# 2832
Delta R.T. -0.006 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13



Tgt Ion:202 Resp: 338633
Ion Ratio Lower Upper
202 100
200 21.4 17.8 26.6
203 18.3 14.6 21.8





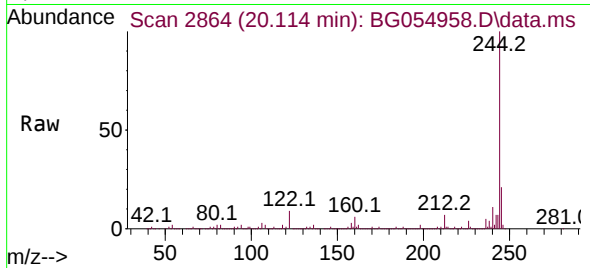
#79
 Terphenyl-d14
 Concen: 59.757 ng
 RT: 20.114 min Scan# 2864
 Delta R.T. -0.006 min
 Lab File: BG054958.D
 Acq: 15 Sep 2022 16:13

Instrument :

BNA_G

ClientSampleId :

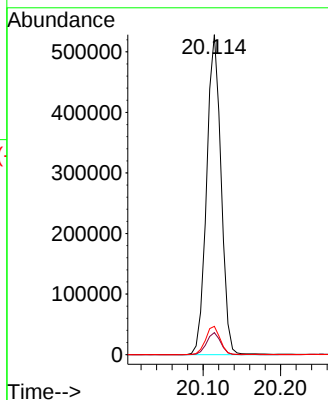
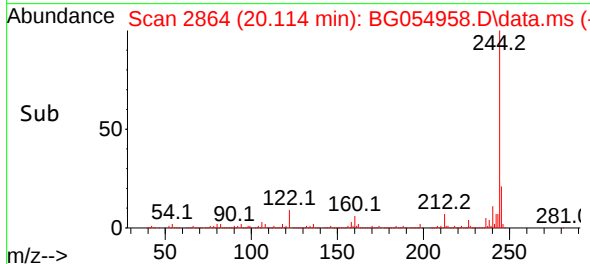
SB-01-COMP



Tgt Ion:244 Resp: 680249
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 8.8 9.0 13.6

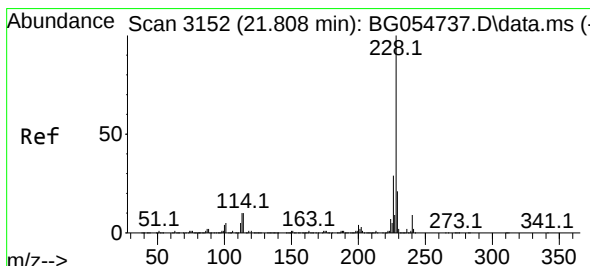
Manual Integrations
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Reviewed By :Christian
 Giraldo



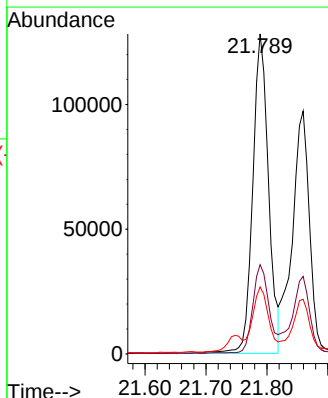
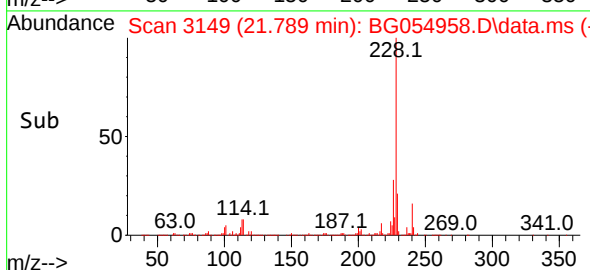
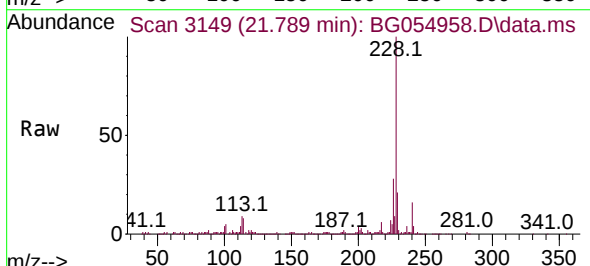
09/16/2022
 Supervised By :Jagrut
 Upadhyay

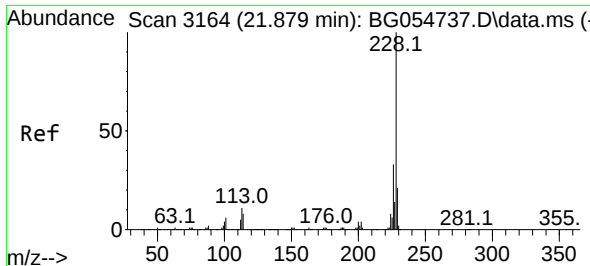
09/16/2022



#81
 Benzo(a)anthracene
 Concen: 15.007 ng
 RT: 21.789 min Scan# 3149
 Delta R.T. -0.006 min
 Lab File: BG054958.D
 Acq: 15 Sep 2022 16:13

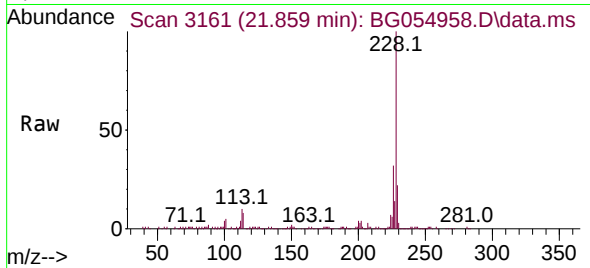
Tgt Ion:228 Resp: 229497
 Ion Ratio Lower Upper
 228 100
 226 27.9 23.4 35.2
 229 20.9 16.5 24.7





#83
Chrysene
Concen: 12.957 ng
RT: 21.859 min Scan# 3164
Delta R.T. -0.006 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

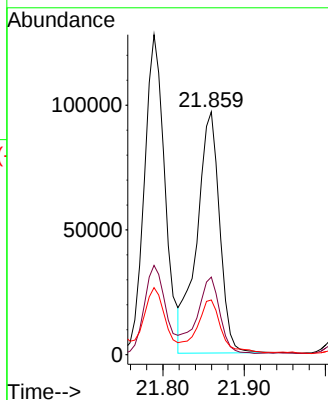
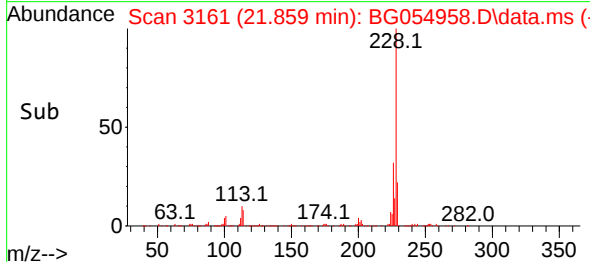
Instrument :
BNA_G
ClientSampleId :
SB-01-COMP



Tgt Ion:228 Resp: 189460
Ion Ratio Lower Upper
228 100
226 32.0 25.5 38.3
229 22.5 16.8 25.2

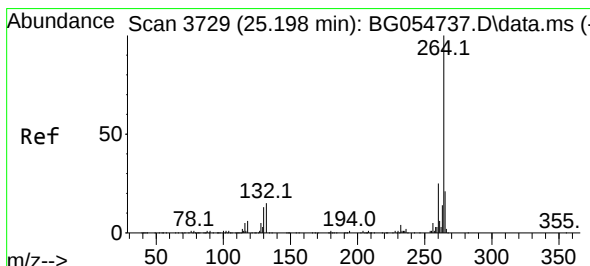
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo



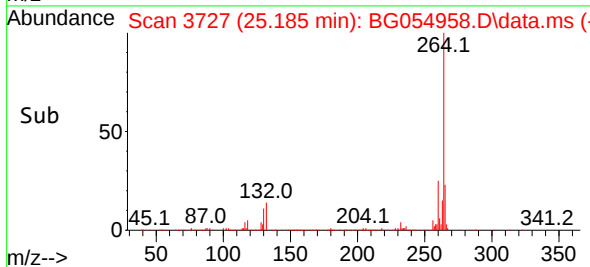
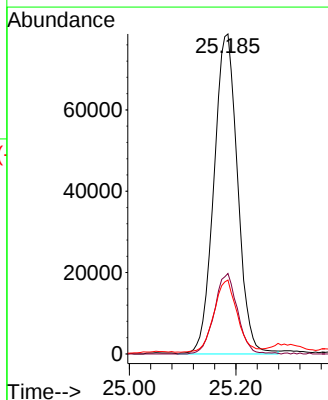
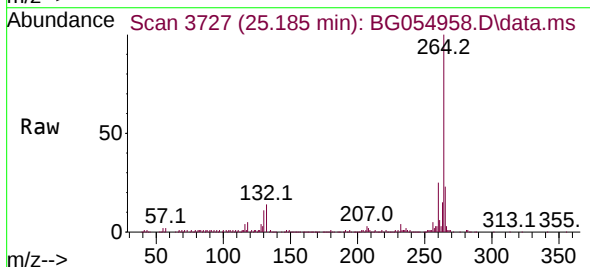
09/16/2022
Supervised By :Jagrut
Upadhyay

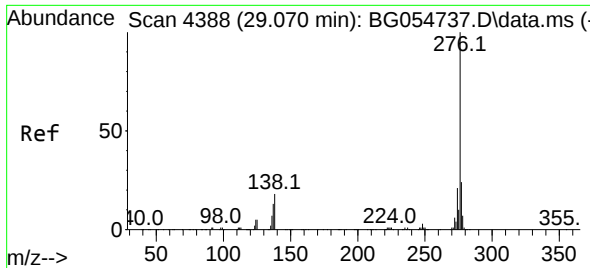
09/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.185 min Scan# 3727
Delta R.T. -0.001 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

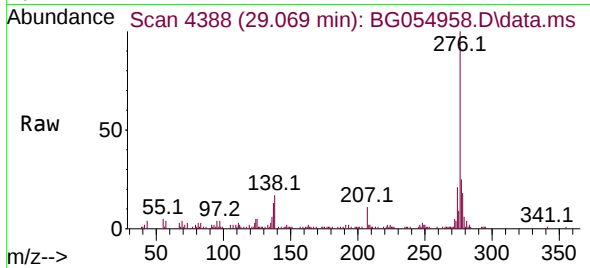
Tgt Ion:264 Resp: 242251
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 23.1 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.523 ng
RT: 29.069 min Scan# 4388
Delta R.T. -0.018 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

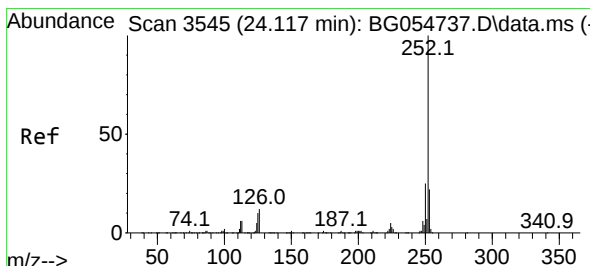
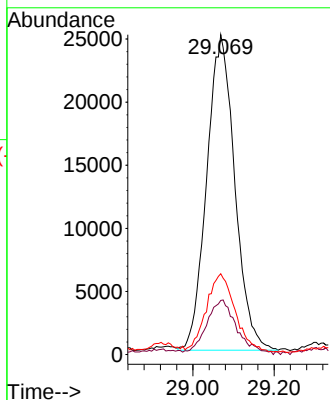
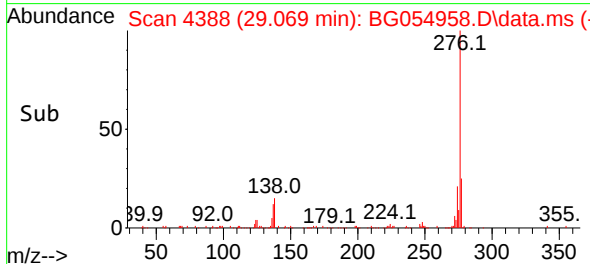
Instrument :
BNA_G
ClientSampleId :
SB-01-COMP



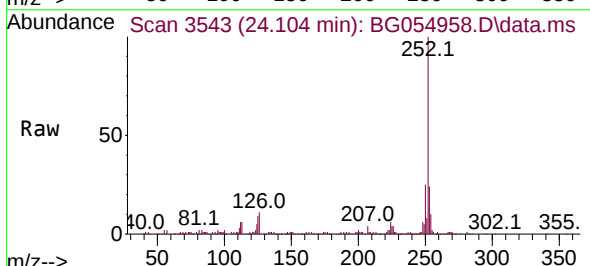
Tgt Ion: 276 Resp: 119963
Ion Ratio Lower Upper
276 100
138 18.9 12.0 18.0
277 25.4 20.2 30.4

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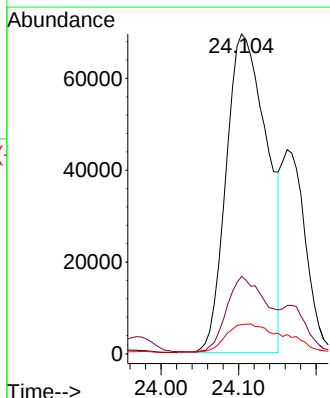
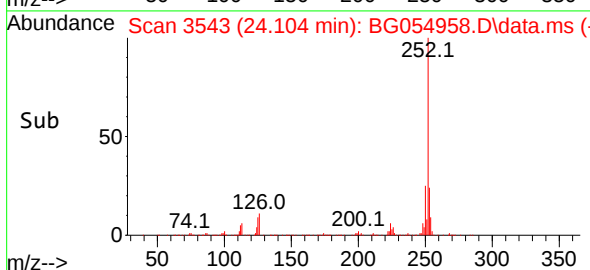
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022

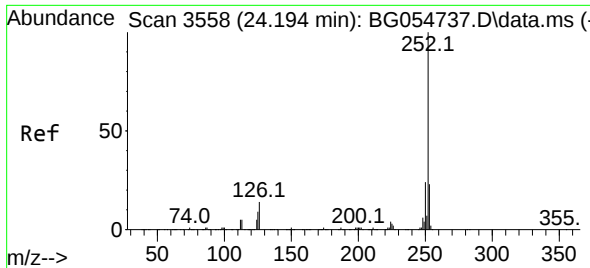


#88
Benzo(b)fluoranthene
Concen: 16.883 ng
RT: 24.104 min Scan# 3543
Delta R.T. -0.006 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13



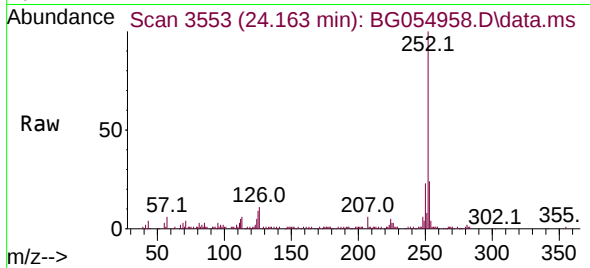
Tgt Ion: 252 Resp: 256563
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 9.2 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 6.236 ng m
RT: 24.163 min Scan# 31
Delta R.T. -0.018 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

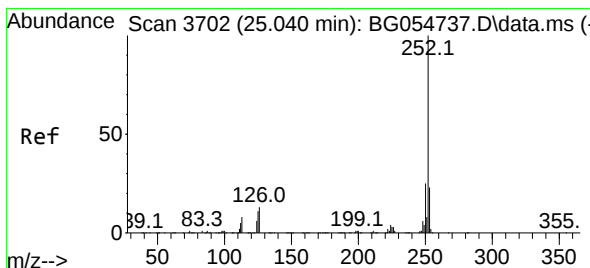
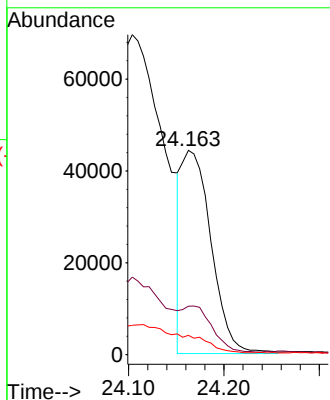
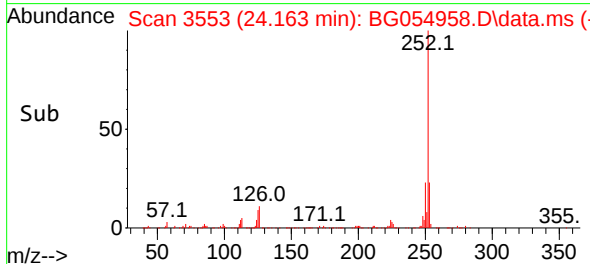
Instrument :
BNA_G
ClientSampleId :
SB-01-COMP



Tgt Ion:252 Resp: 95375
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 9.4 8.2 12.4

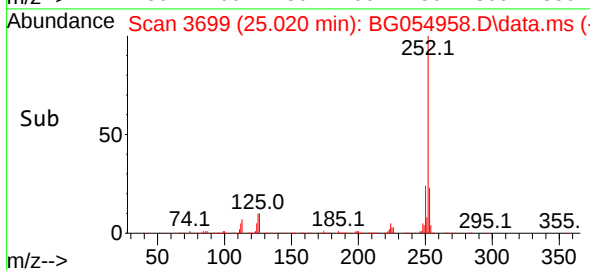
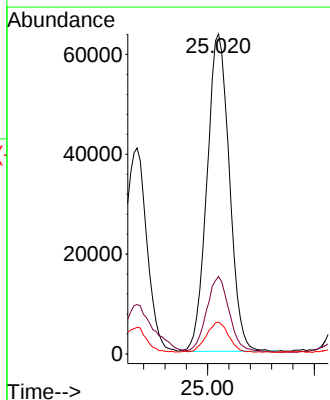
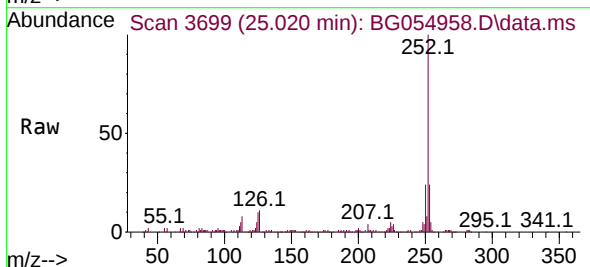
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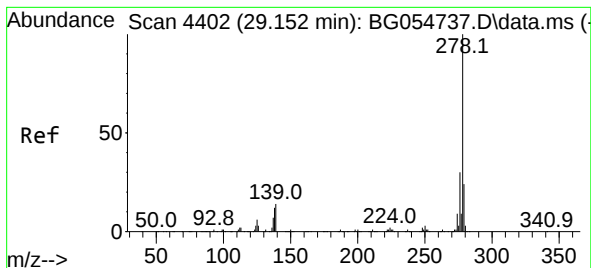
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#90
Benzo(a)pyrene
Concen: 14.278 ng
RT: 25.020 min Scan# 3699
Delta R.T. -0.012 min
Lab File: BG054958.D
Acq: 15 Sep 2022 16:13

Tgt Ion:252 Resp: 185382
Ion Ratio Lower Upper
252 100
253 24.2 18.3 27.5
125 9.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.329 ng

RT: 29.116 min Scan# 4396

Delta R.T. -0.030 min

Lab File: BG054958.D

Acq: 15 Sep 2022 16:13

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

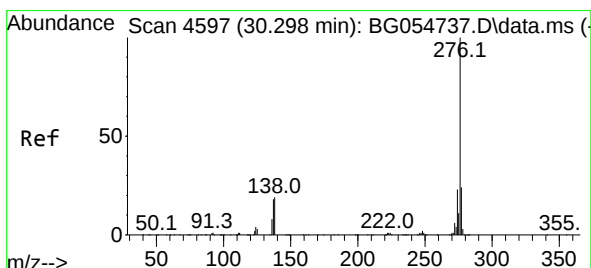
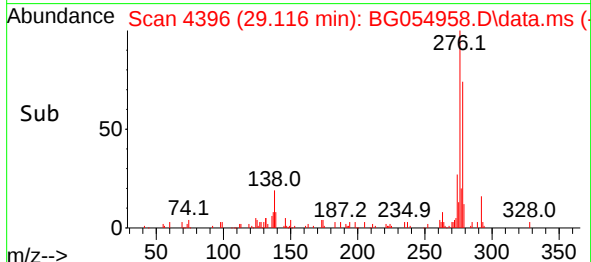
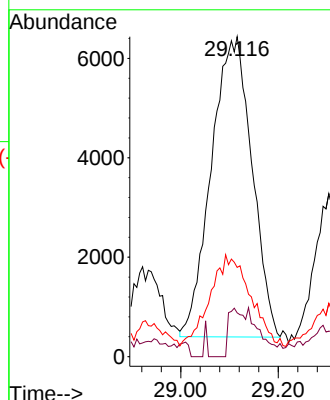
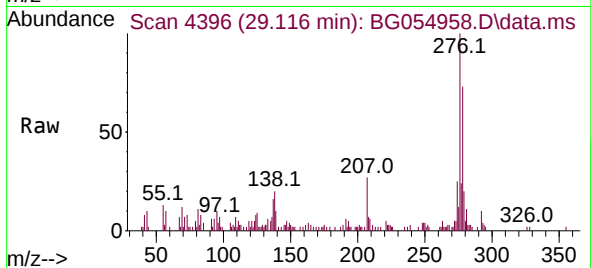
Tgt Ion:278	Resp:	3489
Ion Ratio	Lower	Upper
278	100	
139	13.7	11.4 17.2
279	27.9	19.3 28.9

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: 7.122 ng

RT: 30.291 min Scan# 4596

Delta R.T. -0.018 min

Lab File: BG054958.D

Acq: 15 Sep 2022 16:13

Tgt Ion:276	Resp:	107796
Ion Ratio	Lower	Upper
276	100	
277	24.8	19.4 29.0
138	17.1	16.6 25.0

