

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
 Data File : BG055810.D
 Acq On : 28 Nov 2022 18:26
 Operator : CG/JU
 Sample : N5772-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/29/2022
 Supervised By : Jagrut Upadhyay 11/29/2022

Quant Time: Nov 29 02:12:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 02:02:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.226	152	41934	20.000	ng	0.00
21) Naphthalene-d8	11.058	136	177337	20.000	ng	0.00
39) Acenaphthene-d10	14.854	164	132701	20.000	ng	0.00
64) Phenanthrene-d10	17.591	188	310846	20.000	ng	0.00
76) Chrysene-d12	21.886	240	290827	20.000	ng	0.00
86) Perylene-d12	25.277	264	312291	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.758	112	295163	127.227	ng	0.00
7) Phenol-d6	7.374	99	394236	127.656	ng	0.00
23) Nitrobenzene-d5	9.401	82	245782	73.255	ng	0.00
42) 2,4,6-Tribromophenol	16.334	330	219007	117.204	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	569314	64.273	ng	-0.01
79) Terphenyl-d14	20.177	244	866958	59.624	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.893	166	22747	2.282	ng	97
71) Phenanthrene	17.633	178	450869	26.878	ng	99
72) Anthracene	17.721	178	50745	3.113	ng	99
75) Fluoranthene	19.630	202	748667	36.686	ng	98
78) Pyrene	19.995	202	827959	42.059	ng	99
81) Benzo(a)anthracene	21.863	228	360124	17.978	ng	97
83) Chrysene	21.933	228	371024	19.457	ng	99
87) Indeno(1,2,3-cd)pyrene	29.172	276	202122	7.900	ng	# 97
88) Benzo(b)fluoranthene	24.195	252	397832	19.561	ng	99
89) Benzo(k)fluoranthene	24.254	252	140942m	6.952	ng	
90) Benzo(a)pyrene	25.118	252	338558	19.399	ng	99
91) Dibenzo(a,h)anthracene	29.225	278	56628	2.709	ng	# 90
92) Benzo(g,h,i)perylene	30.400	276	208686	9.904	ng	98

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

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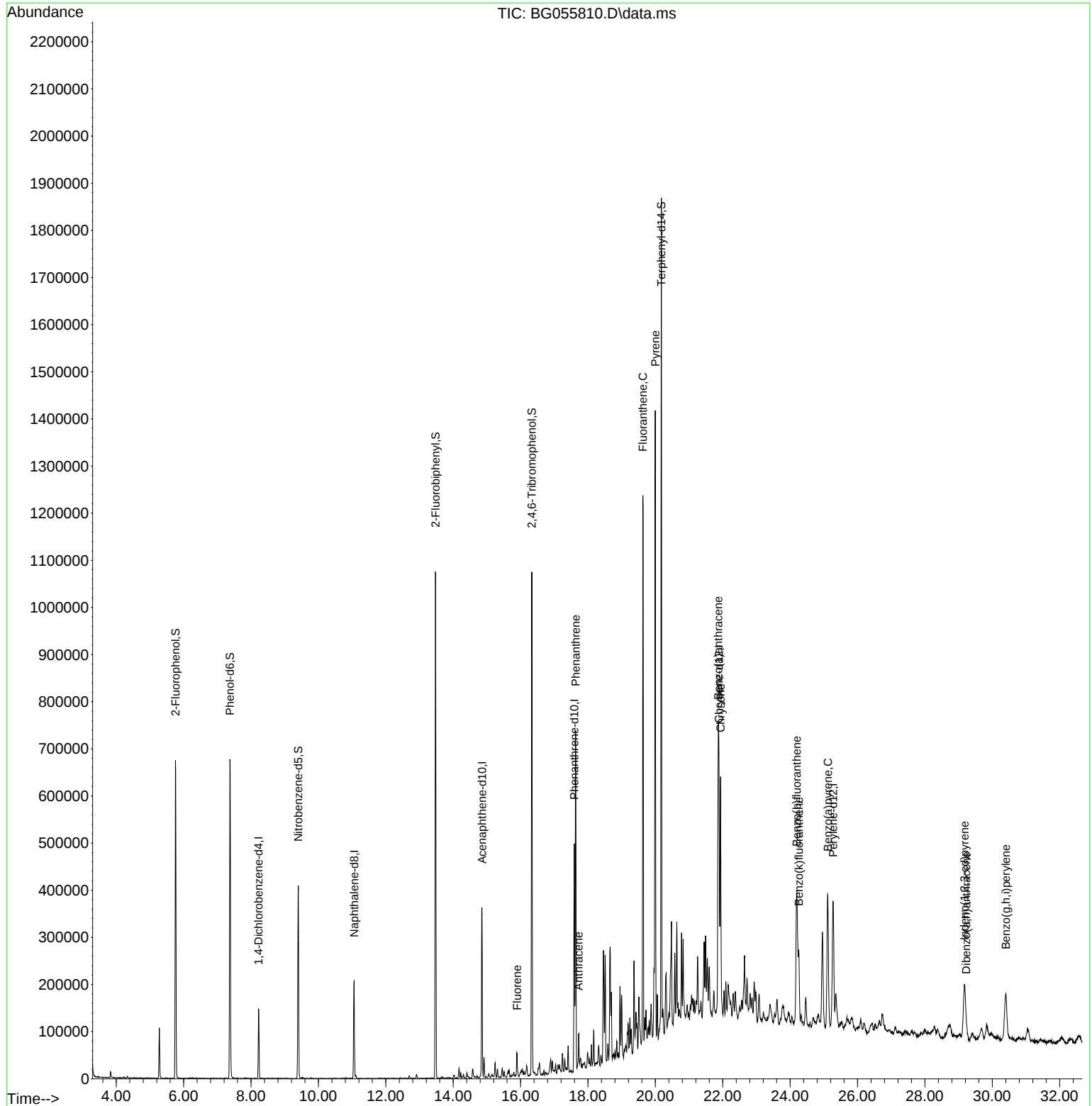
LOCATION-3

Quant Time: Nov 29 02:12:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 02:02:15 2022
Response via : Initial Calibration

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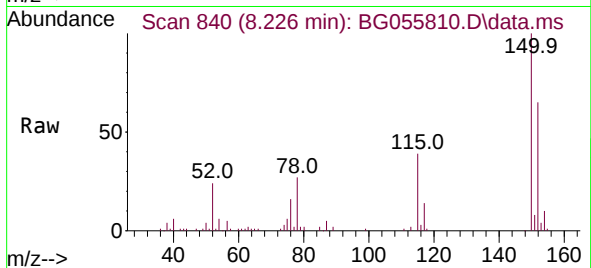
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.226 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Instrument :

BNA_G

ClientSampleId :

LOCATION-3

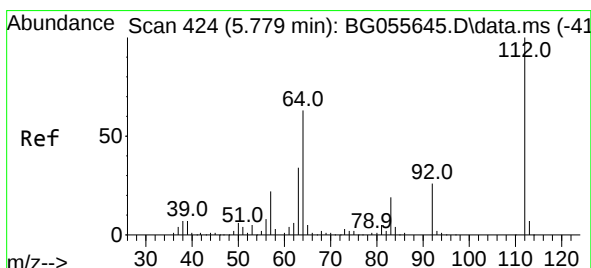
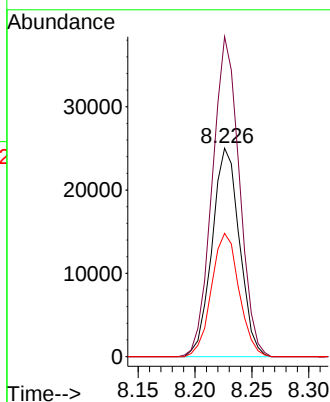
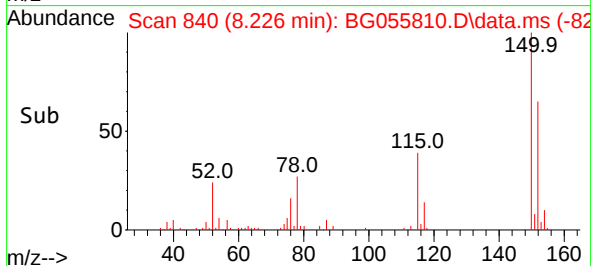


Tgt Ion:152 Resp: 41934
Ion Ratio Lower Upper
152 100
150 153.6 123.0 184.6
115 59.2 47.0 70.4

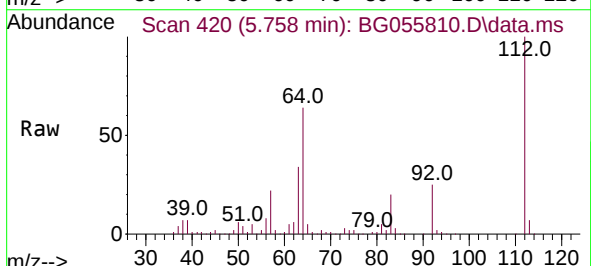
Manual Integrations

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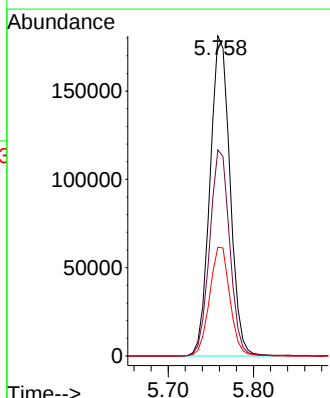
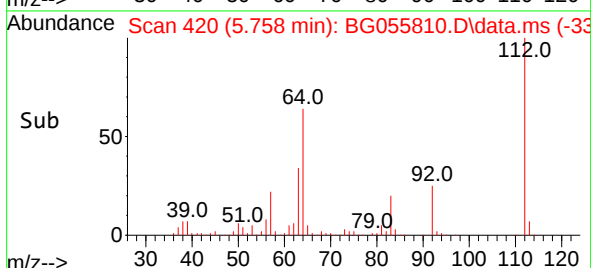
Reviewed By :Christian Giraldo 11/29/2022
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#5
2-Fluorophenol
Concen: 127.227 ng
RT: 5.758 min Scan# 420
Delta R.T. 0.001 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26



Tgt Ion:112 Resp: 295163
Ion Ratio Lower Upper
112 100
64 64.4 50.6 76.0
63 34.0 27.5 41.3





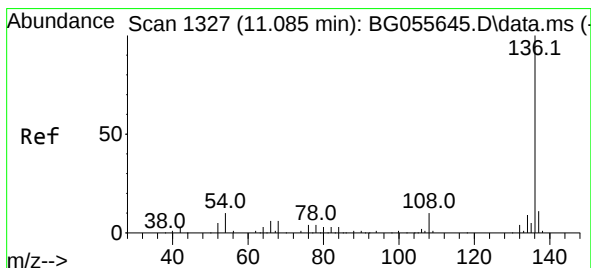
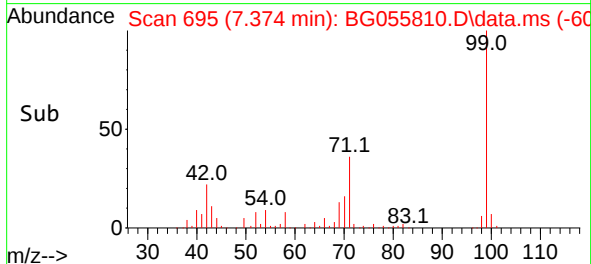
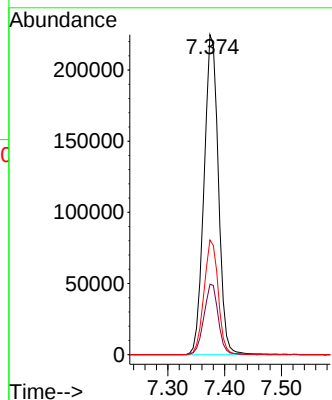
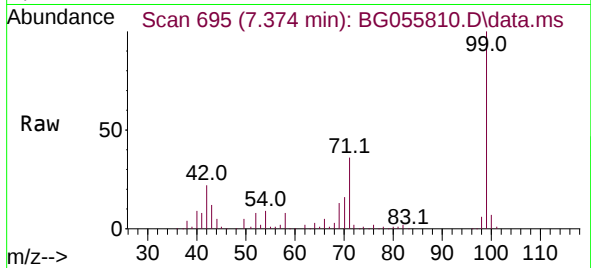
#7
Phenol-d6
Concen: 127.656 ng
RT: 7.374 min Scan# 698
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Instrument :
BNA_G
ClientSampleId :
LOCATION-3

Tgt Ion: 99 Resp: 394236
Ion Ratio Lower Upper
99 100
42 22.0 18.0 27.0
71 35.8 29.0 43.6

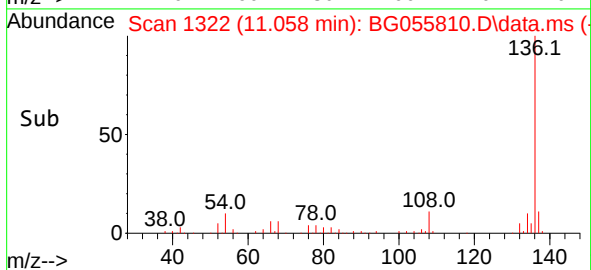
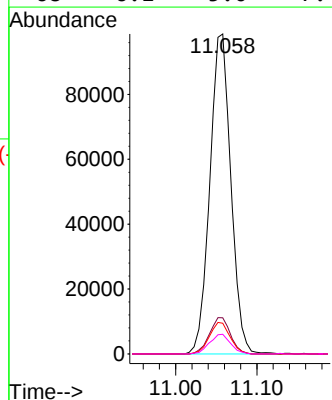
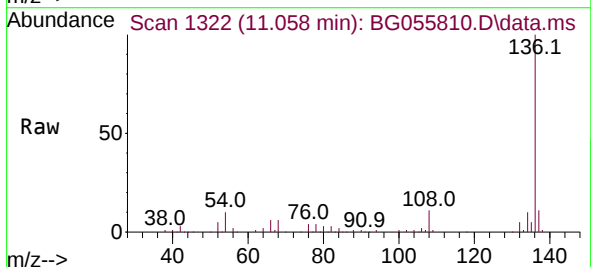
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.058 min Scan# 1322
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Tgt Ion:136 Resp: 177337
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.6 7.8 11.6
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 73.255 ng

RT: 9.401 min Scan# 1040

Delta R.T. -0.005 min

Lab File: BG055810.D

Acq: 28 Nov 2022 18:26

Instrument :

BNA_G

ClientSampleId :

LOCATION-3

Tgt Ion: 82 Resp: 245782

Ion Ratio Lower Upper

82 100

128 43.0 34.1 51.1

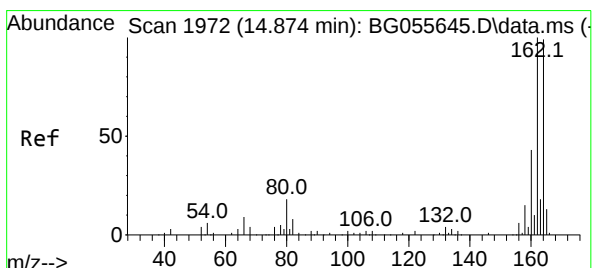
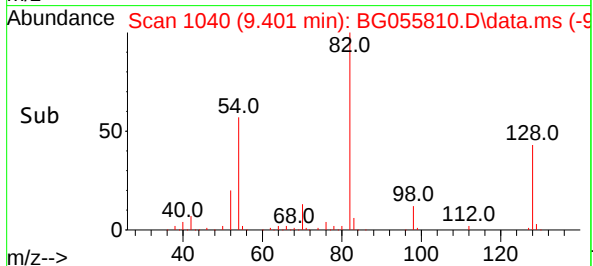
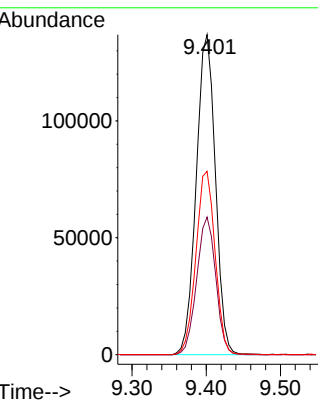
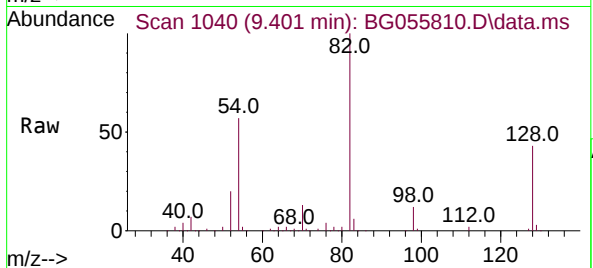
54 57.3 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.854 min Scan# 1968

Delta R.T. -0.005 min

Lab File: BG055810.D

Acq: 28 Nov 2022 18:26

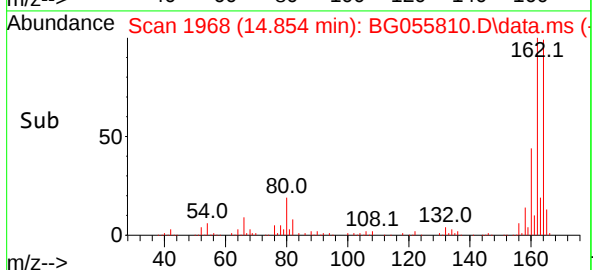
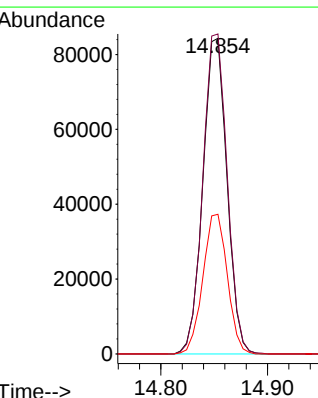
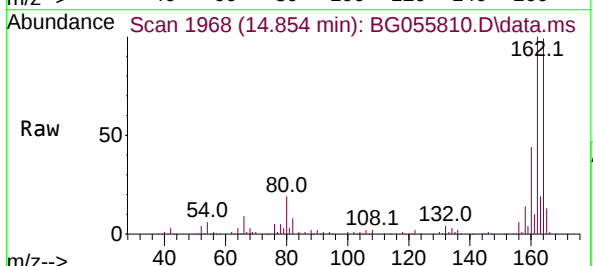
Tgt Ion:164 Resp: 132701

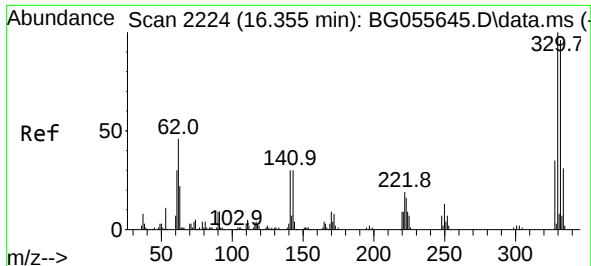
Ion Ratio Lower Upper

164 100

162 101.4 81.1 121.7

160 44.2 34.8 52.2





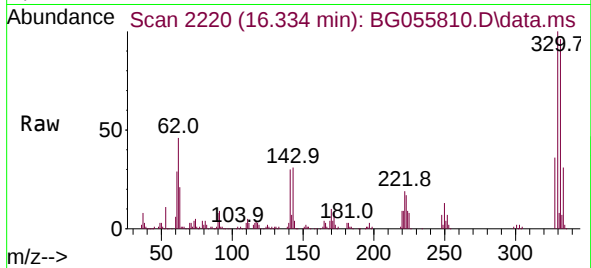
#42
2,4,6-Tribromophenol
Concen: 117.204 ng
RT: 16.334 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Instrument :

BNA_G

ClientSampleId :

LOCATION-3

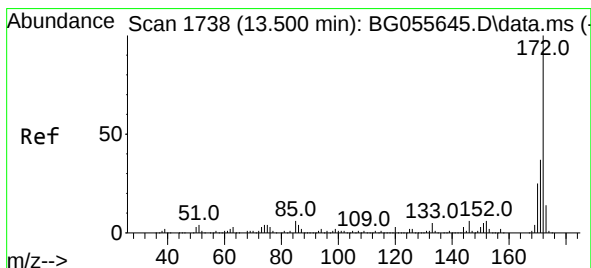
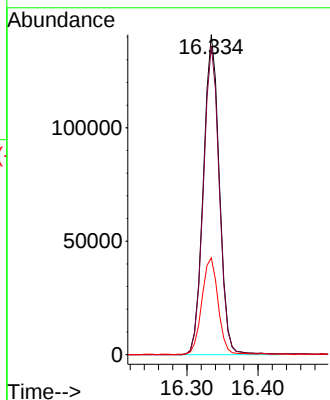
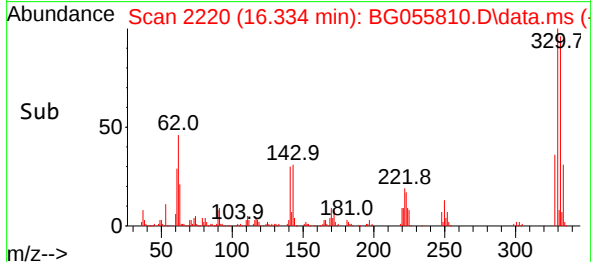


Tgt Ion:330 Resp: 21900
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.8
141 31.0 23.9 35.9

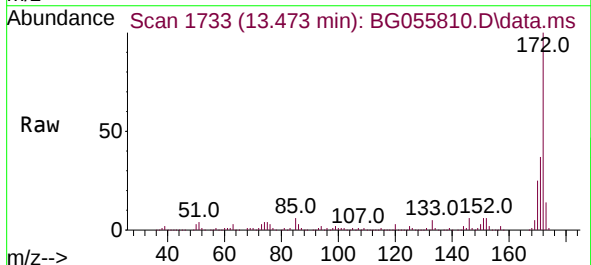
Manual Integrations

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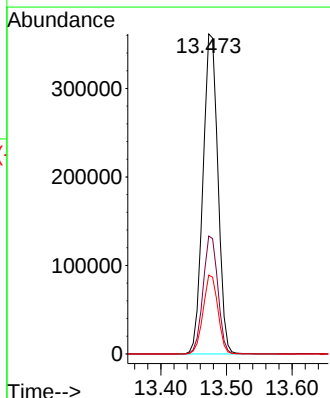
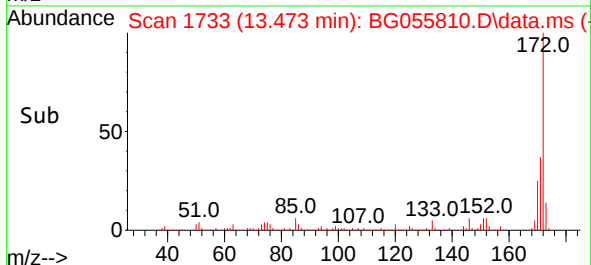
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022

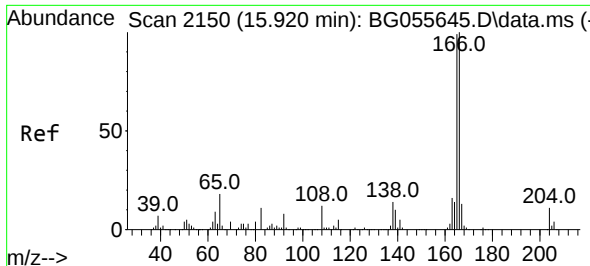


#45
2-Fluorobiphenyl
Concen: 64.273 ng
RT: 13.473 min Scan# 1733
Delta R.T. -0.011 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26



Tgt Ion:172 Resp: 569314
Ion Ratio Lower Upper
172 100
171 36.8 29.8 44.6
170 24.6 20.2 30.4





#58
Fluorene
Concen: 2.282 ng
RT: 15.893 min Scan# 2150
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Instrument :

BNA_G

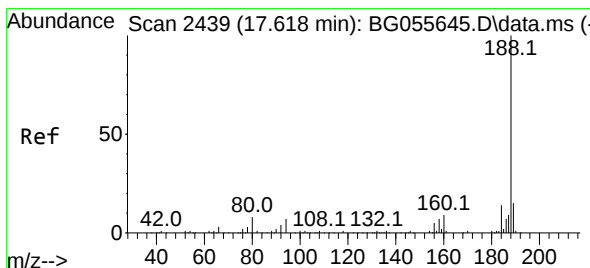
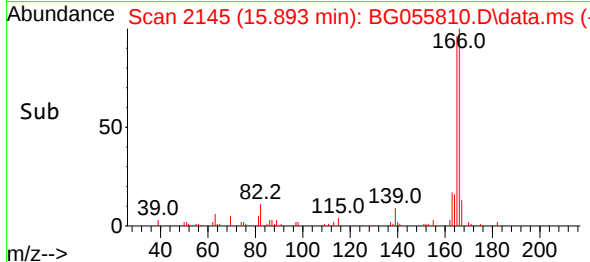
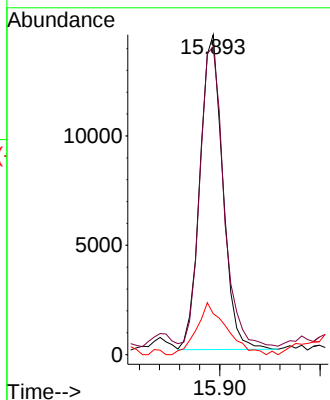
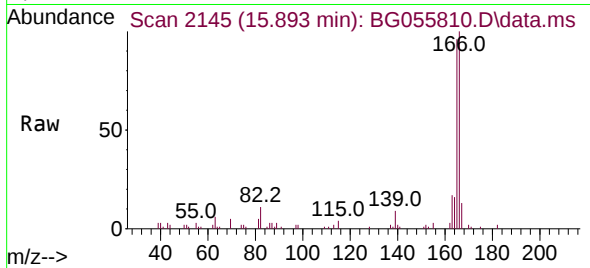
ClientSampleId :

LOCATION-3

Tgt Ion:166 Resp: 2274
Ion Ratio Lower Upper
166 100
165 96.2 79.3 118.9
167 12.8 10.6 15.8

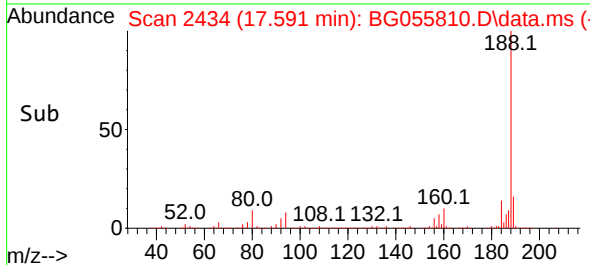
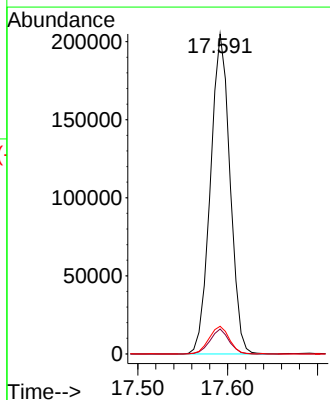
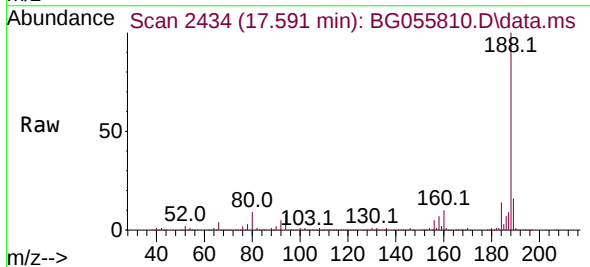
Manual Integrations
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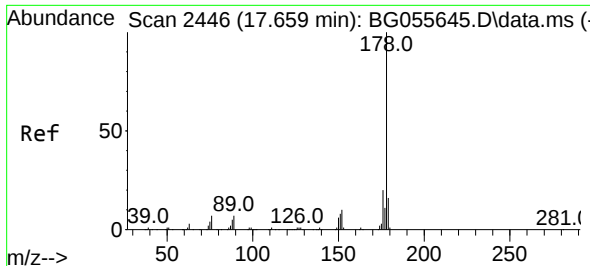
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.591 min Scan# 2434
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Tgt Ion:188 Resp: 310846
Ion Ratio Lower Upper
188 100
94 7.8 5.4 8.2
80 8.6 6.6 10.0





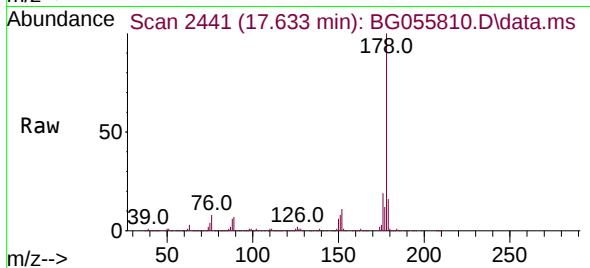
#71
Phenanthrene
Concen: 26.878 ng
RT: 17.633 min Scan# 2441
Delta R.T. -0.011 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Instrument :

BNA_G

ClientSampleId :

LOCATION-3

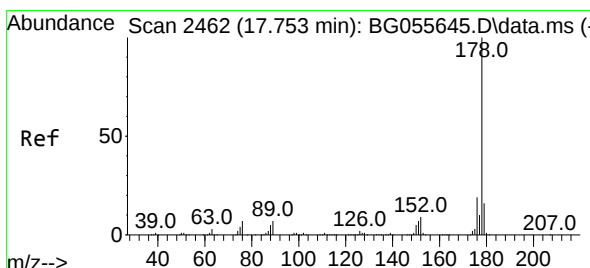
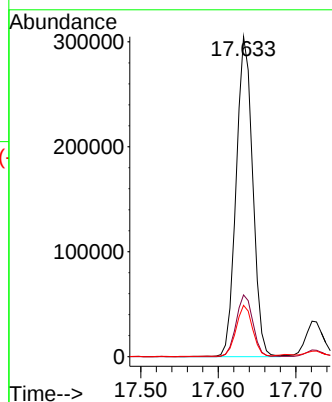
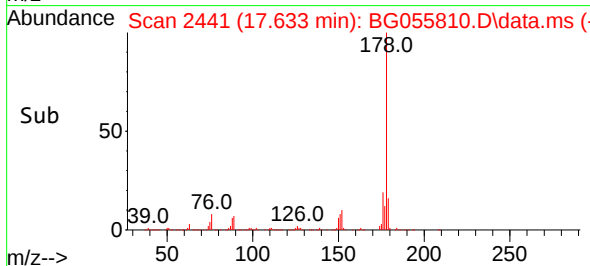


Tgt Ion:178 Resp: 450869
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 16.0 12.7 19.1

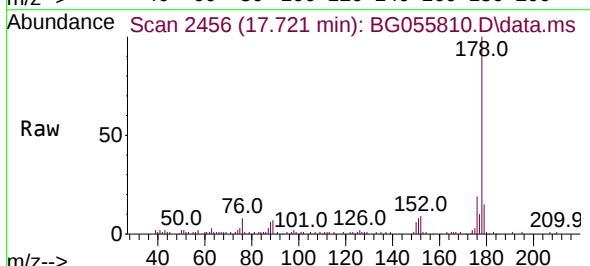
Manual Integrations

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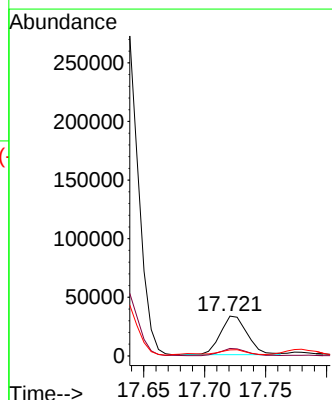
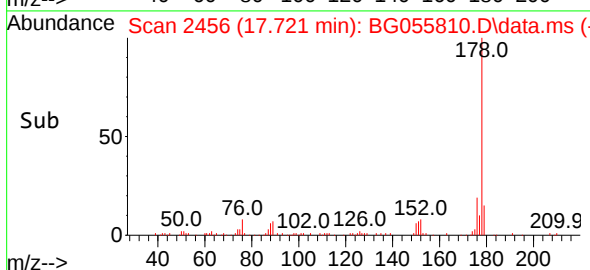
Reviewed By :Christian Giraldo 11/29/2022
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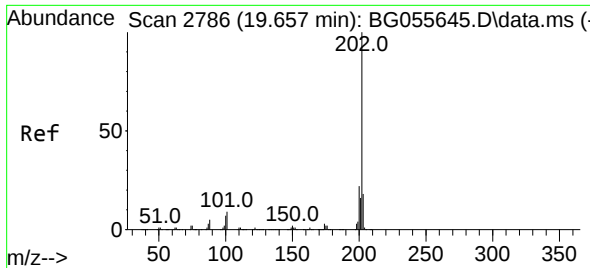


#72
Anthracene
Concen: 3.113 ng
RT: 17.721 min Scan# 2456
Delta R.T. -0.011 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26



Tgt Ion:178 Resp: 50745
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.3 12.5 18.7





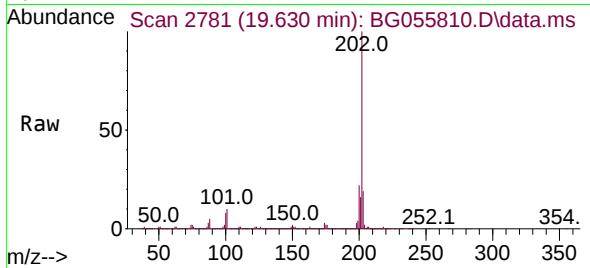
#75
Fluoranthene
Concen: 36.686 ng
RT: 19.630 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

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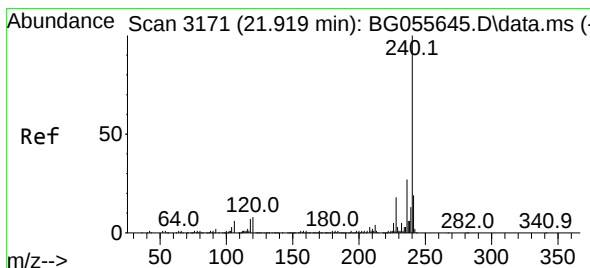
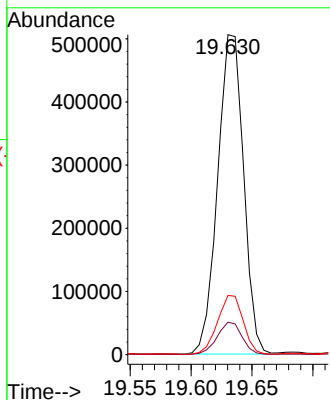
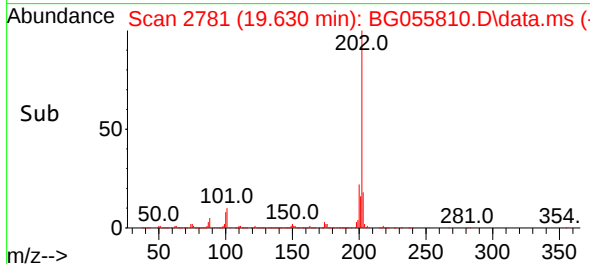


Tgt Ion:202 Resp: 748662
Ion Ratio Lower Upper
202 100
101 10.1 0.0 28.8
203 18.5 0.0 38.1

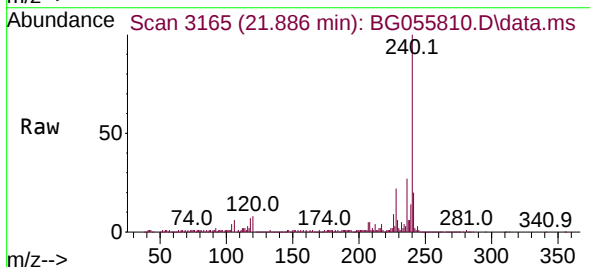
Manual Integrations

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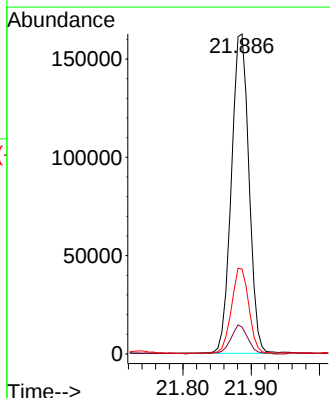
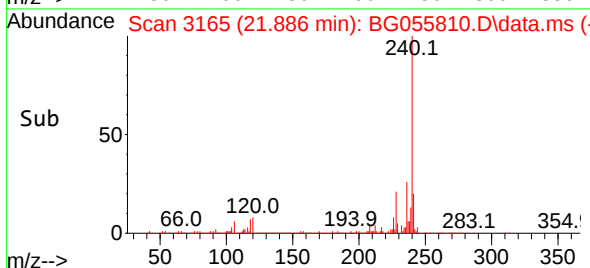
Reviewed By :Christian Giraldo 11/29/2022
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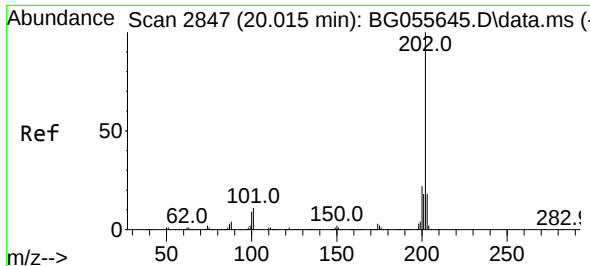


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.886 min Scan# 3165
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26



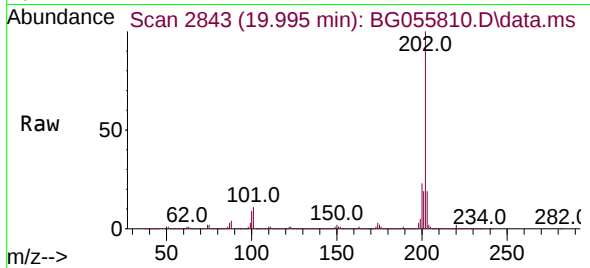
Tgt Ion:240 Resp: 290827
Ion Ratio Lower Upper
240 100
120 8.4 6.3 9.5
236 26.5 21.9 32.9





#78
Pyrene
Concen: 42.059 ng
RT: 19.995 min Scan# 2843
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

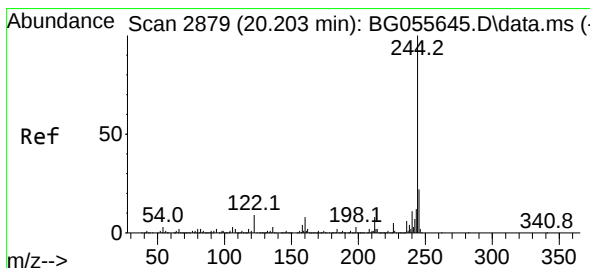
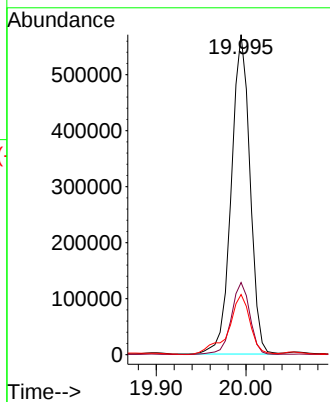
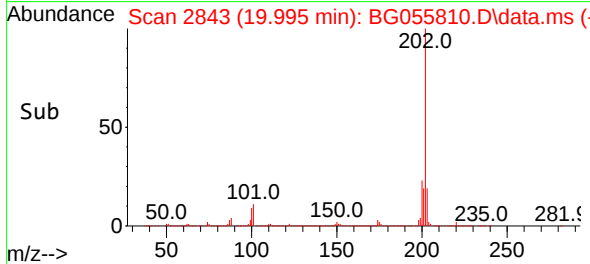
Instrument :
BNA_G
ClientSampleId :
LOCATION-3



Tgt Ion:202 Resp: 827959
Ion Ratio Lower Upper
202 100
200 22.5 17.8 26.6
203 18.8 14.4 21.6

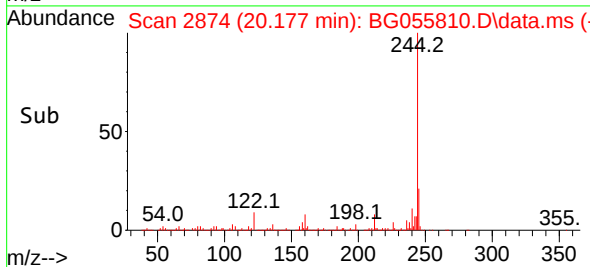
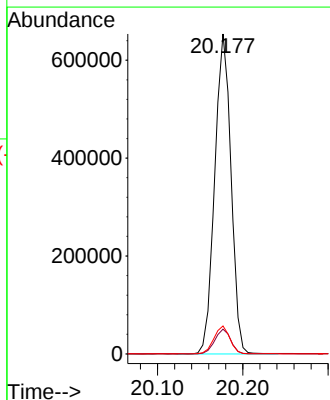
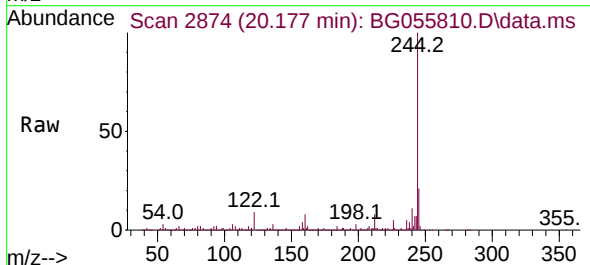
Manual Integrations
APPROVED

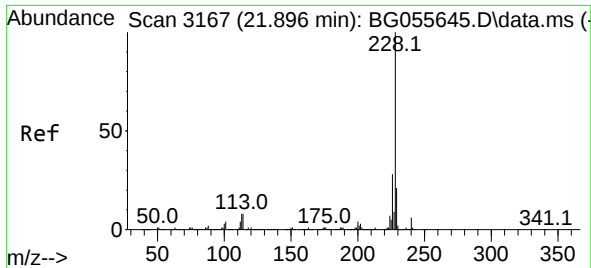
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#79
Terphenyl-d14
Concen: 59.624 ng
RT: 20.177 min Scan# 2874
Delta R.T. -0.005 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

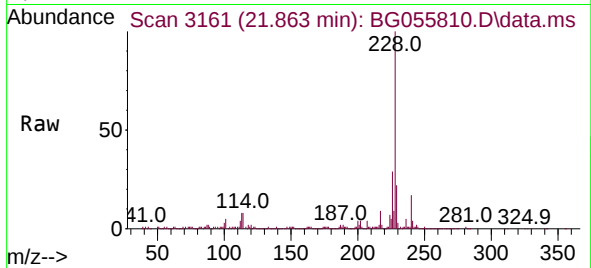
Tgt Ion:244 Resp: 866958
Ion Ratio Lower Upper
244 100
212 7.7 6.3 9.5
122 8.7 6.9 10.3





#81
Benzo(a)anthracene
Concen: 17.978 ng
RT: 21.863 min Scan# 3161
Delta R.T. -0.011 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

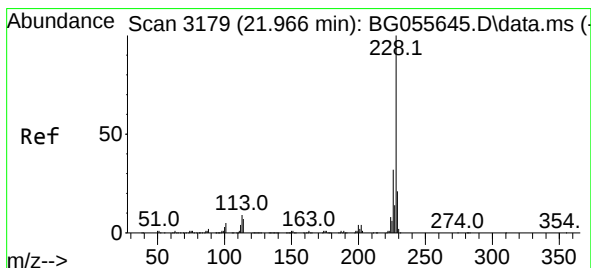
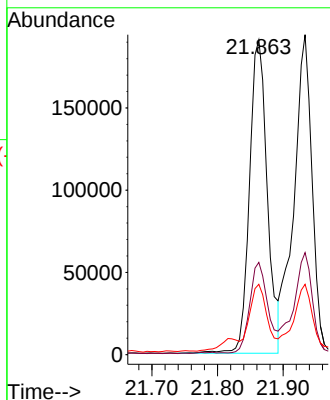
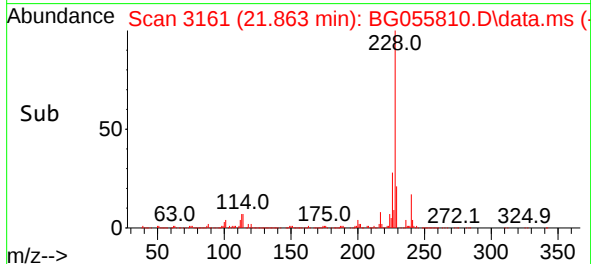
Instrument :
BNA_G
ClientSampleId :
LOCATION-3



Tgt Ion:228 Resp: 360124
Ion Ratio Lower Upper
228 100
226 29.3 22.7 34.1
229 22.4 16.5 24.7

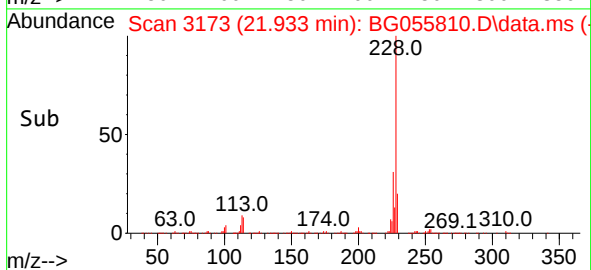
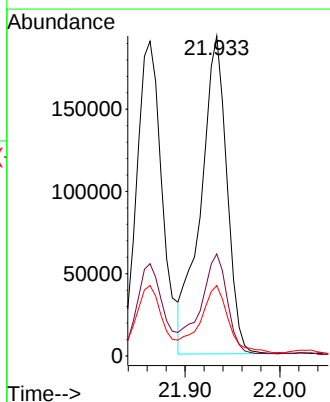
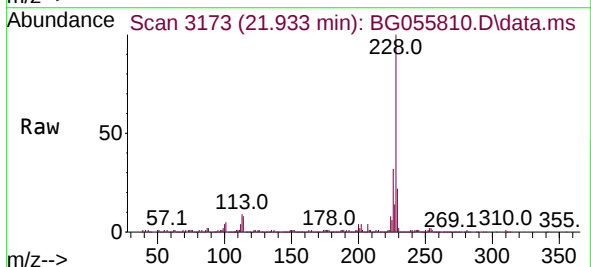
Manual Integrations
APPROVED

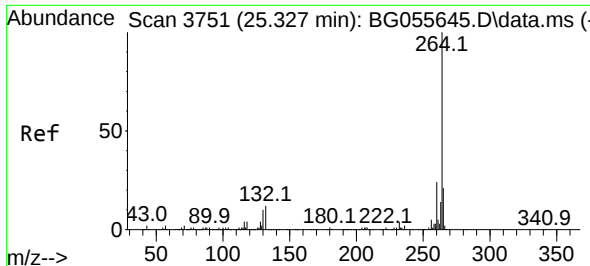
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#83
Chrysene
Concen: 19.457 ng
RT: 21.933 min Scan# 3173
Delta R.T. -0.011 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Tgt Ion:228 Resp: 371024
Ion Ratio Lower Upper
228 100
226 31.9 25.4 38.2
229 22.0 17.1 25.7





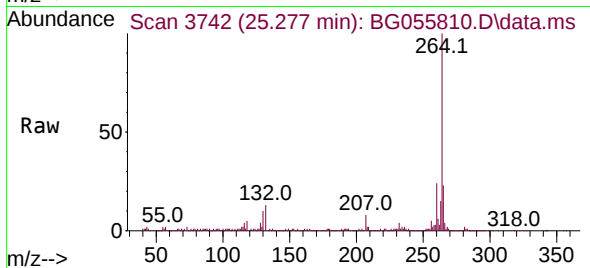
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.277 min Scan# 31229
Delta R.T. -0.011 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Instrument :

BNA_G

ClientSampleId :

LOCATION-3

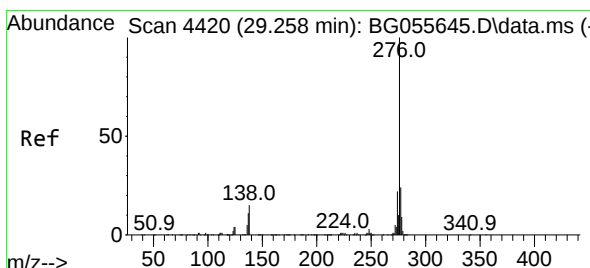
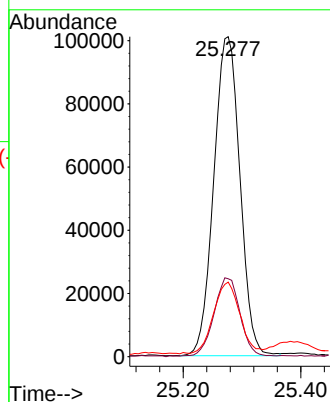
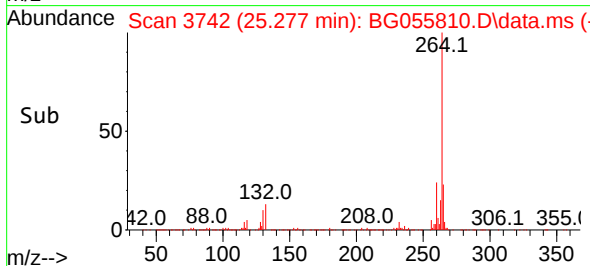


Tgt Ion:264 Resp: 31229
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 23.3 17.1 25.7

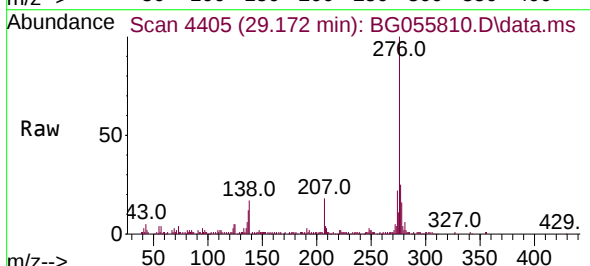
Manual Integrations

APPROVED

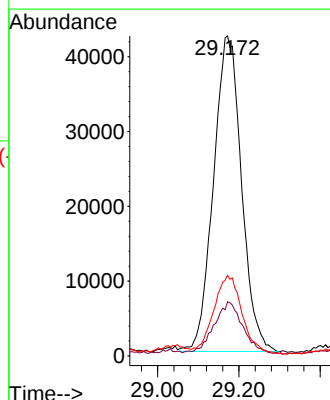
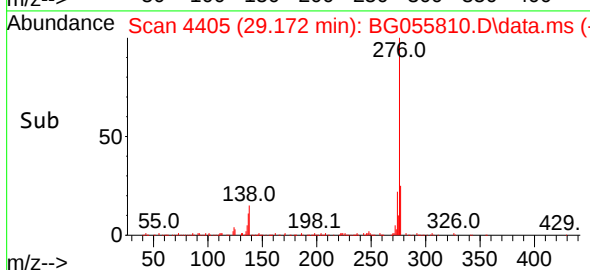
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022

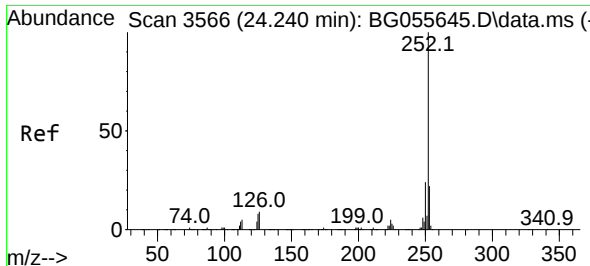


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.900 ng
RT: 29.172 min Scan# 4405
Delta R.T. -0.040 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26



Tgt Ion:276 Resp: 202122
Ion Ratio Lower Upper
276 100
138 16.9 10.4 15.6#
277 25.4 20.2 30.4





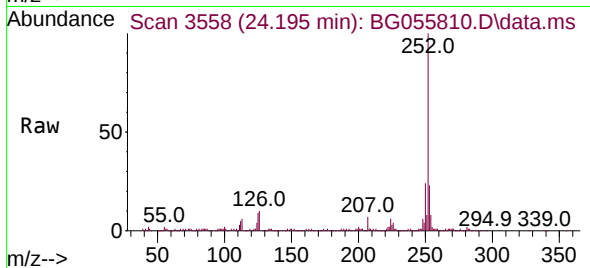
#88
Benzo(b)fluoranthene
Concen: 19.561 ng
RT: 24.195 min Scan# 3558
Delta R.T. -0.011 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Instrument :

BNA_G

ClientSampleId :

LOCATION-3

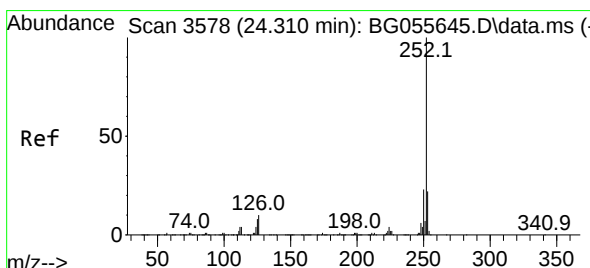
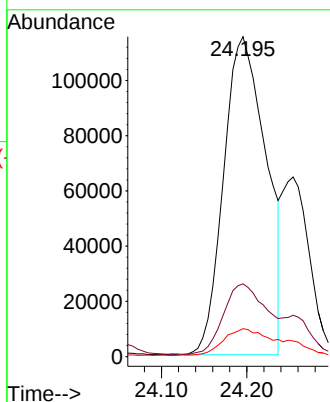
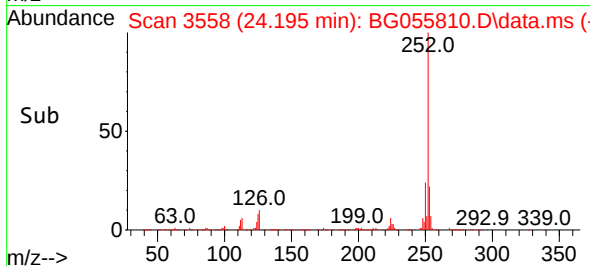


Tgt Ion:252 Resp: 397832
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 8.8 6.2 9.2

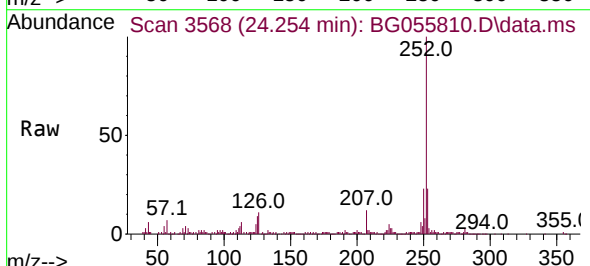
Manual Integrations

APPROVED

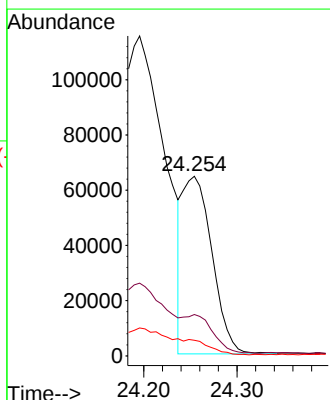
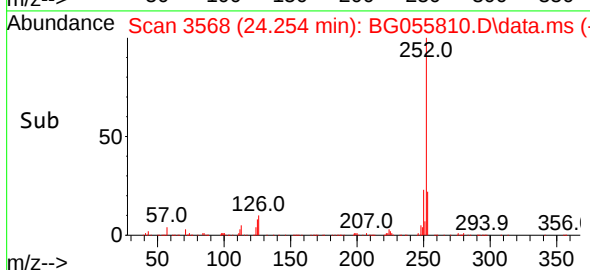
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022

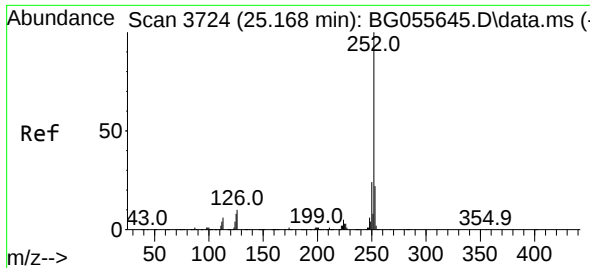


#89
Benzo(k)fluoranthene
Concen: 6.952 ng m
RT: 24.254 min Scan# 3568
Delta R.T. -0.023 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26



Tgt Ion:252 Resp: 140942
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 8.7 6.1 9.1





#90
Benzo(a)pyrene
Concen: 19.399 ng
RT: 25.118 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Instrument :

BNA_G

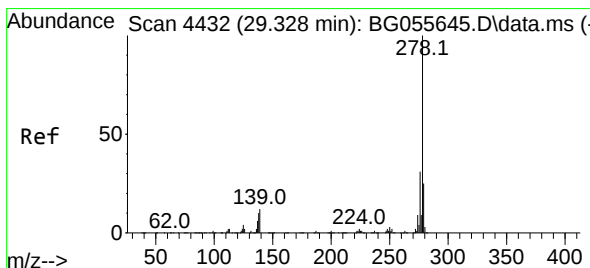
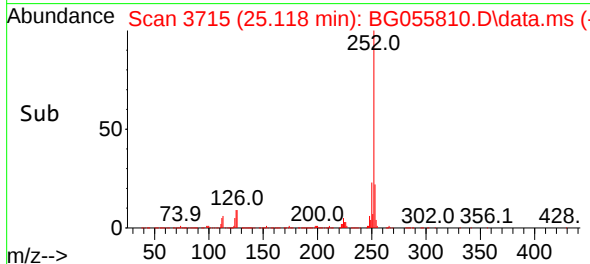
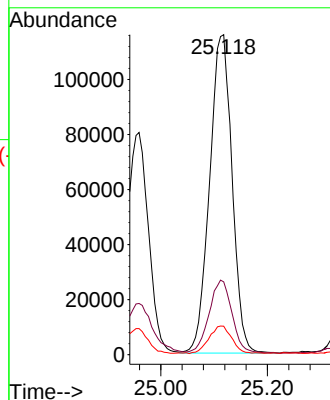
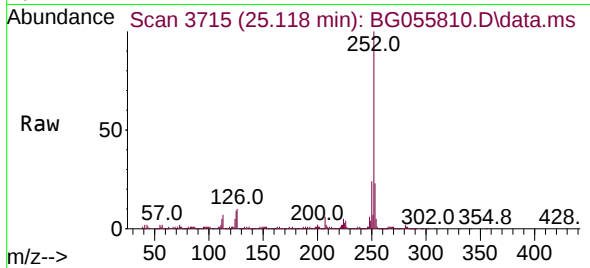
ClientSampleId :

LOCATION-3

Tgt Ion:252 Resp: 338558
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 8.9 6.4 9.6

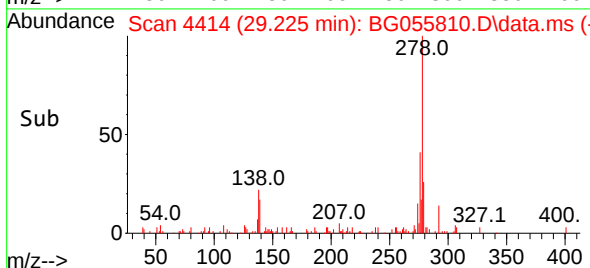
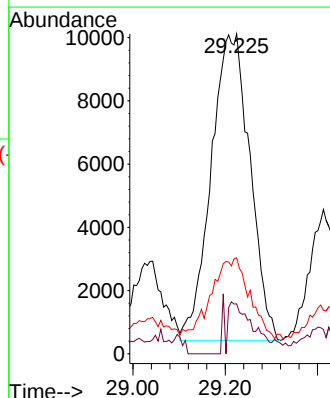
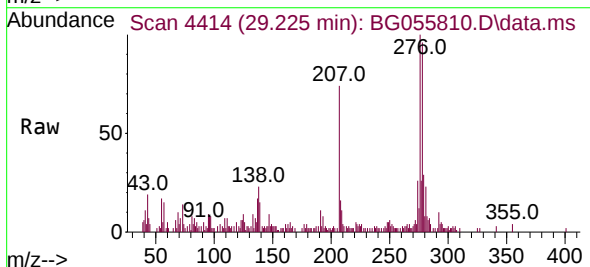
Manual Integrations
APPROVED

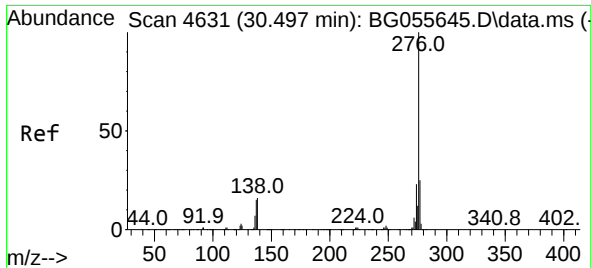
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.709 ng
RT: 29.225 min Scan# 4414
Delta R.T. -0.040 min
Lab File: BG055810.D
Acq: 28 Nov 2022 18:26

Tgt Ion:278 Resp: 56628
Ion Ratio Lower Upper
278 100
139 15.6 9.8 14.8#
279 30.0 19.8 29.6#





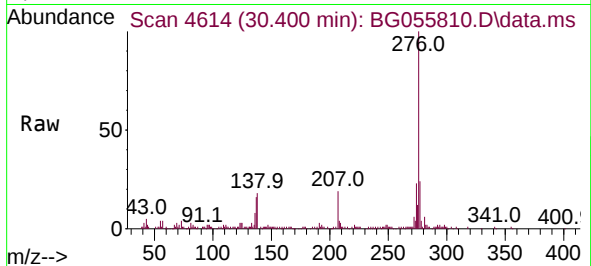
#92
 Benzo(g,h,i)perylene
 Concen: 9.904 ng
 RT: 30.400 min Scan# 4614
 Delta R.T. -0.035 min
 Lab File: BG055810.D
 Acq: 28 Nov 2022 18:26

Instrument :

BNA_G

ClientSampleId :

LOCATION-3



Tgt Ion:276 Resp: 208686
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.8 29.6
 138 18.0 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :Jagrut Upadhyay 11/29/2022

