

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
 Data File : BG055814.D
 Acq On : 28 Nov 2022 21:13
 Operator : CG/JU
 Sample : N5772-02 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-2

Quant Time: Nov 29 02:15:08 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	51582	20.000	ng	0.00
21) Naphthalene-d8	11.061	136	216879	20.000	ng	0.00
39) Acenaphthene-d10	14.856	164	144587	20.000	ng	0.00
64) Phenanthrene-d10	17.600	188	296997	20.000	ng	0.00
76) Chrysene-d12	21.901	240	267810	20.000	ng	0.00
86) Perylene-d12	25.315	264	314853	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.767	112	179370	62.854	ng	0.00
7) Phenol-d6	7.377	99	232051	61.085	ng	0.00
23) Nitrobenzene-d5	9.404	82	142845	34.812	ng	0.00
42) 2,4,6-Tribromophenol	16.343	330	110859	54.450	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	352165	36.489	ng	0.00
79) Terphenyl-d14	20.186	244	500888	37.409	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.108	128	41131	3.508	ng	98
37) 2-Methylnaphthalene	12.700	142	45789	5.216	ng	99
38) 1-Methylnaphthalene	12.918	142	72507	8.508	ng	99
46) 1,1'-Biphenyl	13.687	154	28424	2.698	ng	94
49) Acenaphthylene	14.586	152	99353	7.367	ng	# 96
52) Acenaphthene	14.921	154	253099	28.716	ng	100
55) Dibenzofuran	15.250	168	163165	12.000	ng	# 97
58) Fluorene	15.896	166	325202	29.946	ng	98
71) Phenanthrene	17.653	178	2926047m	182.567	ng	
72) Anthracene	17.735	178	563121	36.162	ng	98
73) Carbazole	18.000	167	161115	11.509	ng	96
75) Fluoranthene	19.657	202	3935536	201.840	ng	88
78) Pyrene	20.021	202	3807261	210.026	ng	# 85
81) Benzo(a)anthracene	21.884	228	2067873	112.106	ng	93
83) Chrysene	21.960	228	2083101	118.627	ng	93
87) Indeno(1,2,3-cd)pyrene	29.251	276	1009117	39.123	ng	97
88) Benzo(b)fluoranthene	24.245	252	2267686	110.592	ng	96
89) Benzo(k)fluoranthene	24.298	252	924161m	45.215	ng	
90) Benzo(a)pyrene	25.168	252	1902618	108.129	ng	96
91) Dibenzo(a,h)anthracene	29.287	278	252428	11.976	ng	94
92) Benzo(g,h,i)perylene	30.491	276	1028141	48.397	ng	99

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

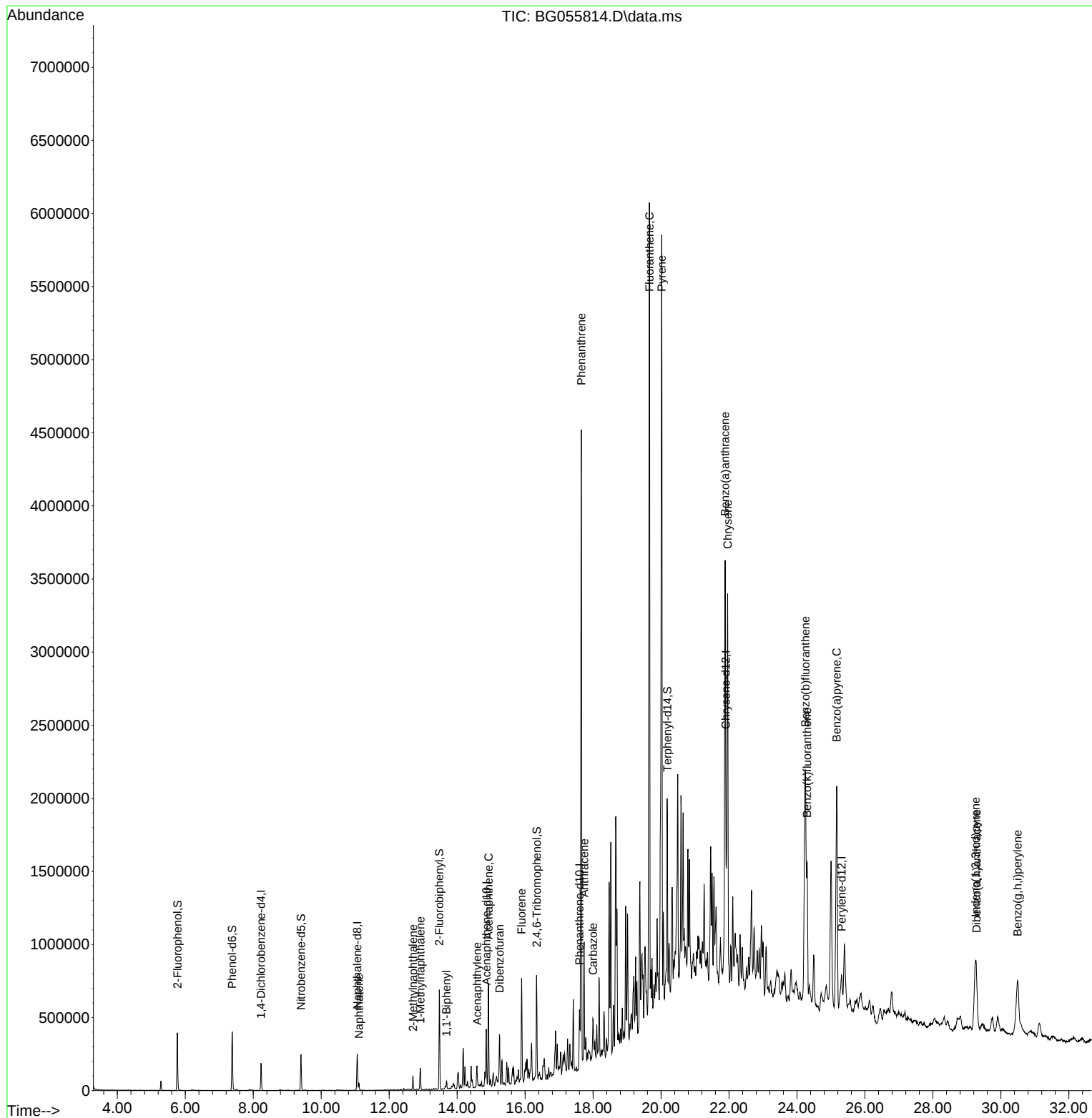
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055814.D
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Sample : N5772-02 2X
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Instrument :
BNA_G
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Quant Time: Nov 29 02:15:08 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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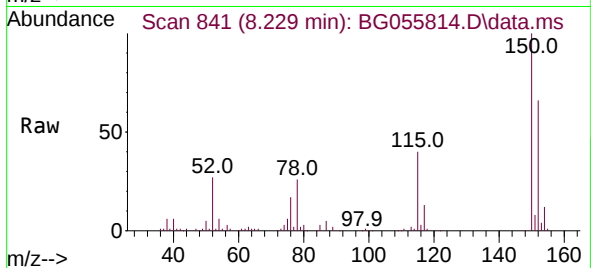
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.229 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

LOCATION-2

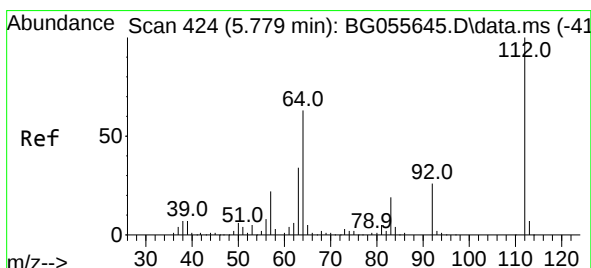
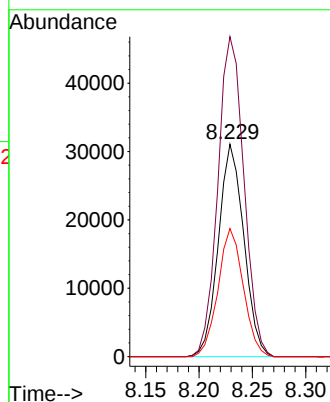
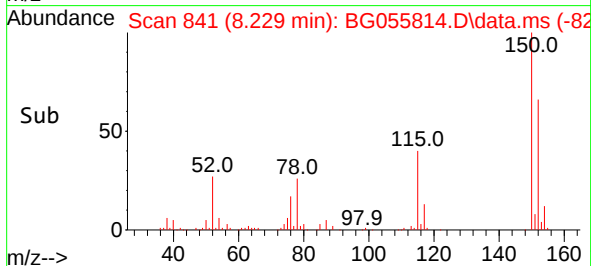


Tgt Ion:152 Resp: 51582
Ion Ratio Lower Upper
152 100
150 150.7 123.0 184.6
115 60.3 47.0 70.4

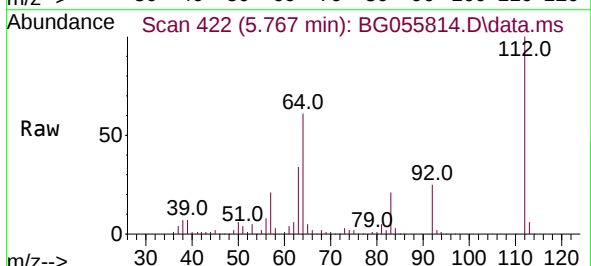
Manual Integrations

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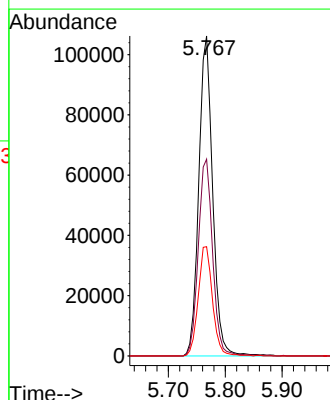
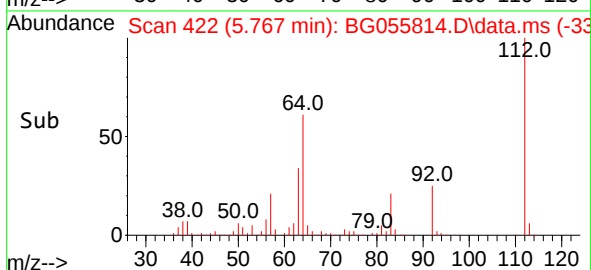
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Supervised By :Jagrut Upadhyay 11/29/2022



#5
2-Fluorophenol
Concen: 62.854 ng
RT: 5.767 min Scan# 422
Delta R.T. 0.009 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13



Tgt Ion:112 Resp: 179370
Ion Ratio Lower Upper
112 100
64 61.5 50.6 76.0
63 34.2 27.5 41.3





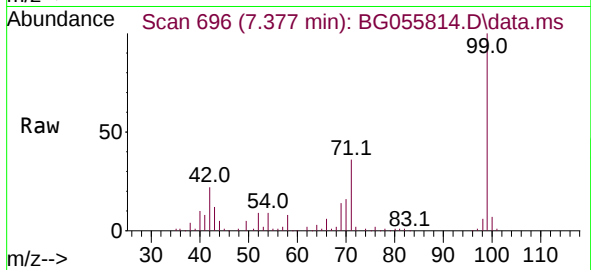
#7
Phenol-d6
Concen: 61.085 ng
RT: 7.377 min Scan# 698
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

LOCATION-2

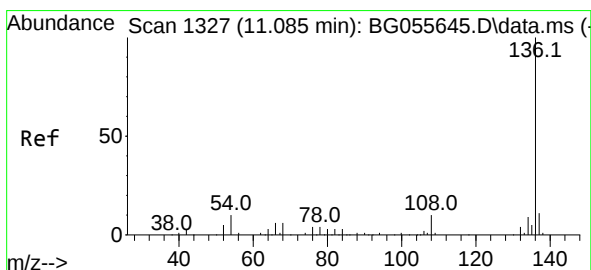
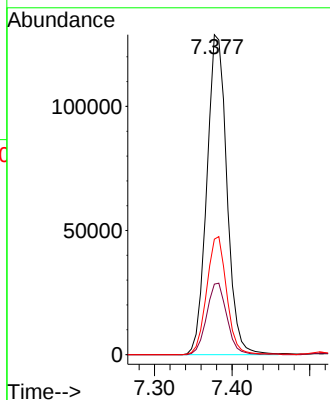
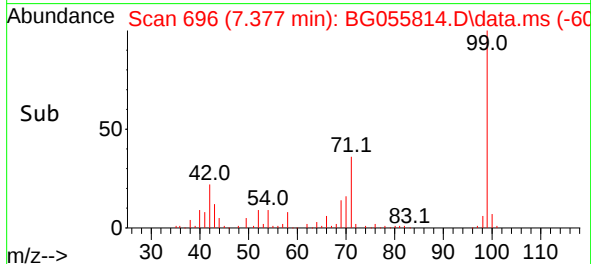


Tgt Ion: 99 Resp: 23205
Ion Ratio Lower Upper
99 100
42 22.0 18.0 27.0
71 36.1 29.0 43.6

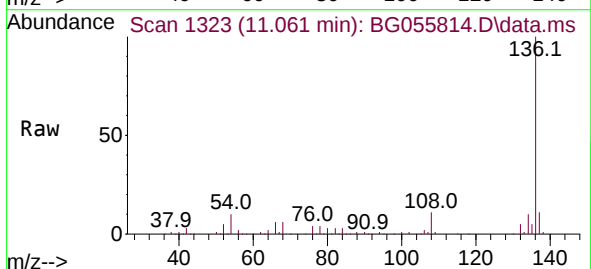
Manual Integrations

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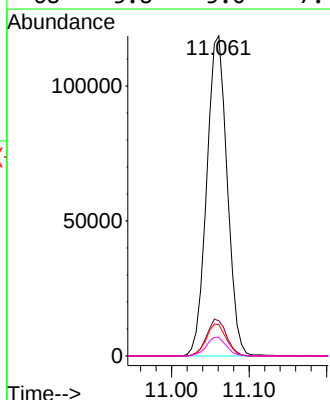
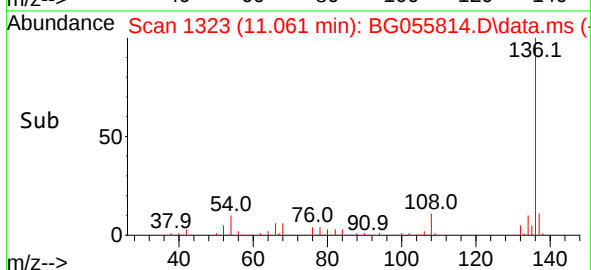
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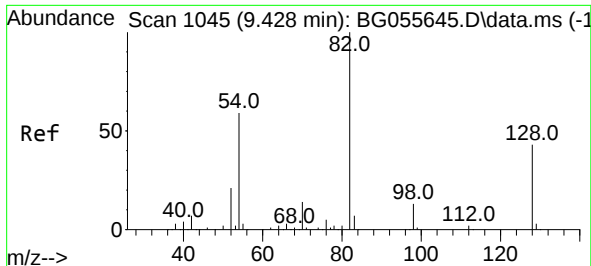


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.061 min Scan# 1323
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13



Tgt Ion:136 Resp: 216879
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 9.8 7.8 11.6
68 5.8 5.0 7.4





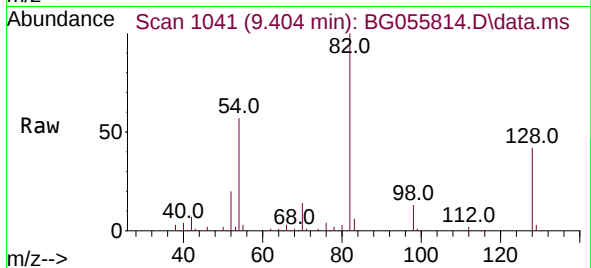
#23
Nitrobenzene-d5
Concen: 34.812 ng
RT: 9.404 min Scan# 1045
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

LOCATION-2

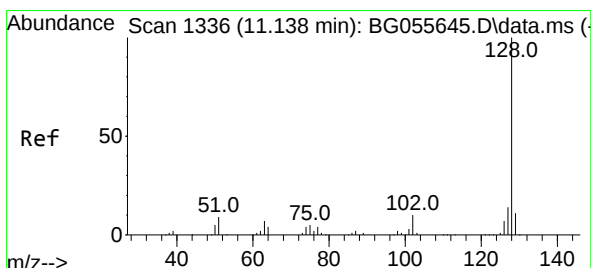
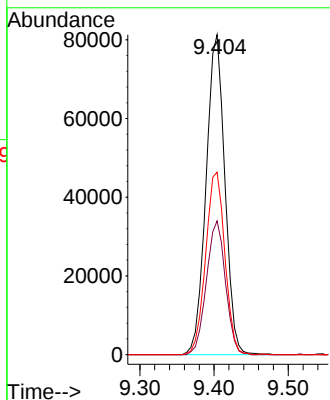
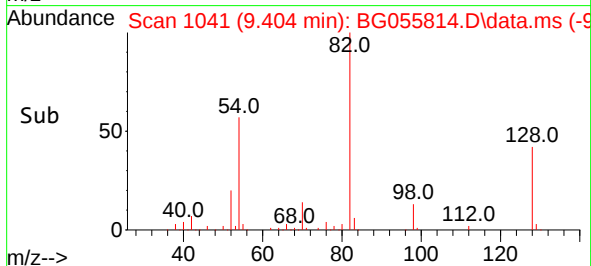


Tgt Ion: 82 Resp: 142845
Ion Ratio Lower Upper
82 100
128 41.8 34.1 51.1
54 57.0 47.3 70.9

Manual Integrations

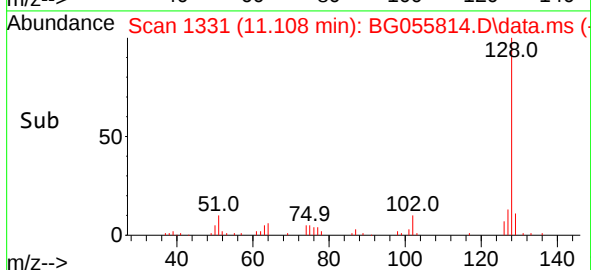
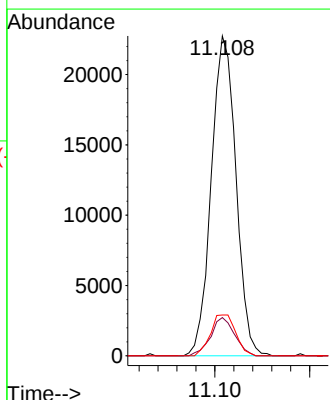
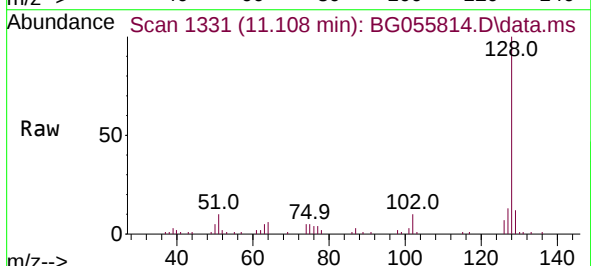
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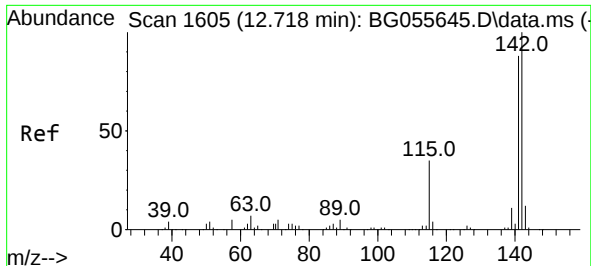
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#31
Naphthalene
Concen: 3.508 ng
RT: 11.108 min Scan# 1331
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Tgt Ion:128 Resp: 41131
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 12.8 10.9 16.3





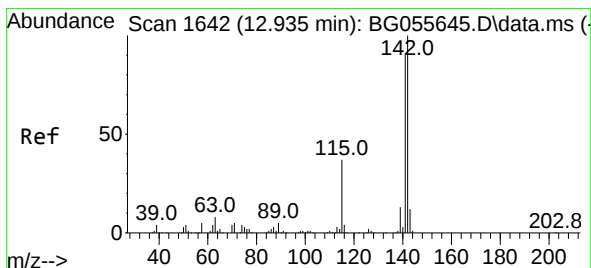
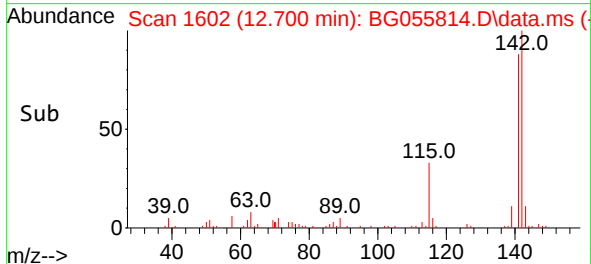
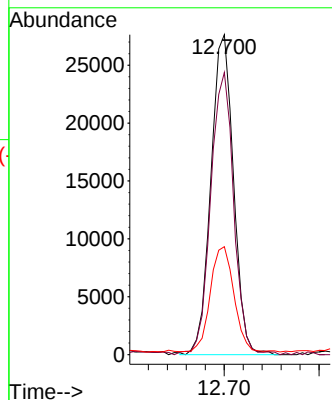
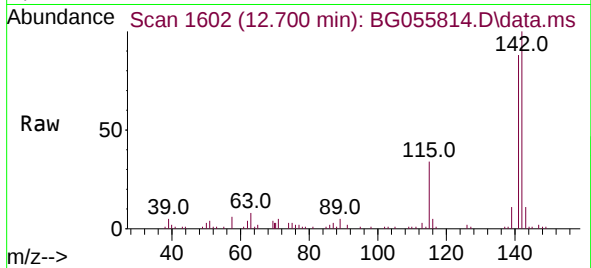
#37
2-Methylnaphthalene
Concen: 5.216 ng
RT: 12.700 min Scan# 1639
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Tgt Ion:142 Resp: 45789
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5
115 33.7 27.9 41.9

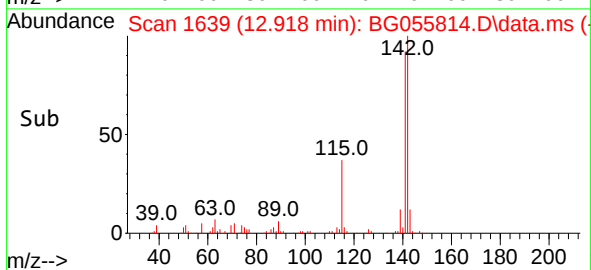
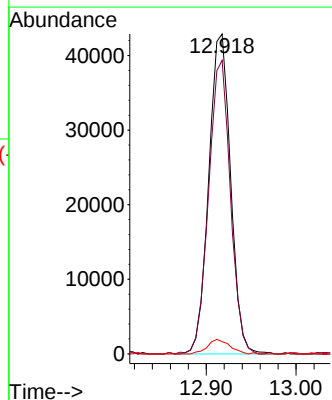
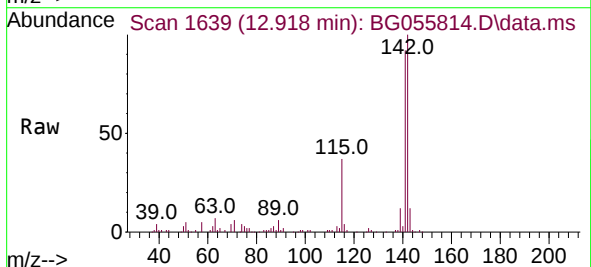
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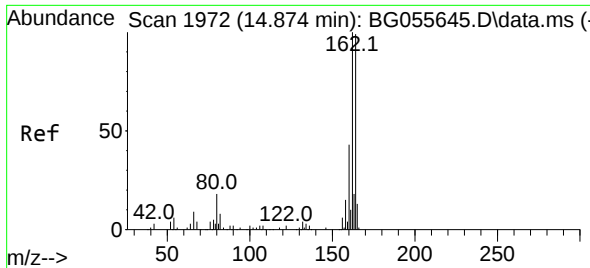
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#38
1-Methylnaphthalene
Concen: 8.508 ng
RT: 12.918 min Scan# 1639
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Tgt Ion:142 Resp: 72507
Ion Ratio Lower Upper
142 100
141 91.7 73.0 109.4
116 3.8 3.1 4.7





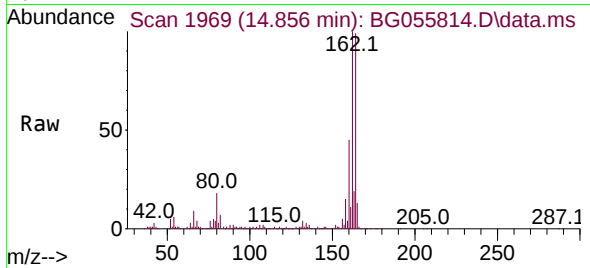
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.856 min Scan# 1972
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

LOCATION-2

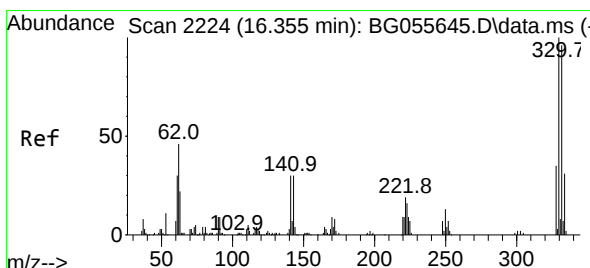
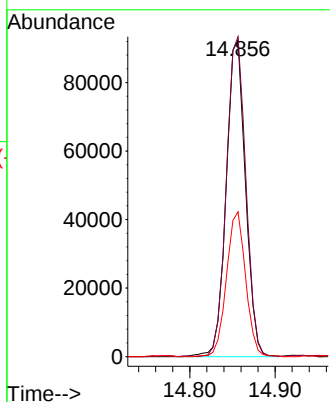
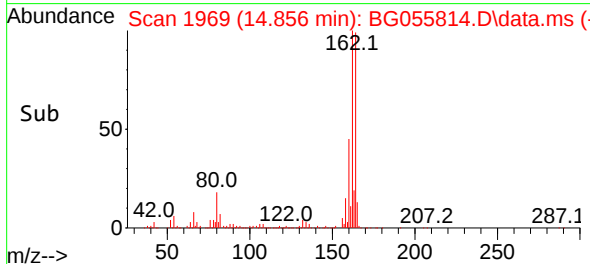


Tgt Ion:164 Resp: 144587
Ion Ratio Lower Upper
164 100
162 101.2 81.1 121.7
160 45.7 34.8 52.2

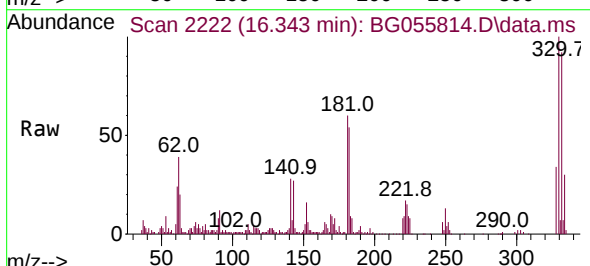
Manual Integrations

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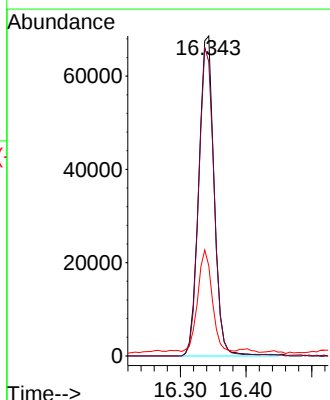
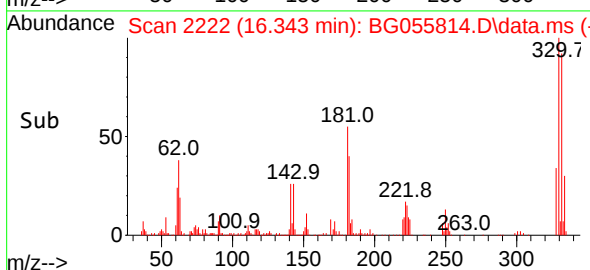
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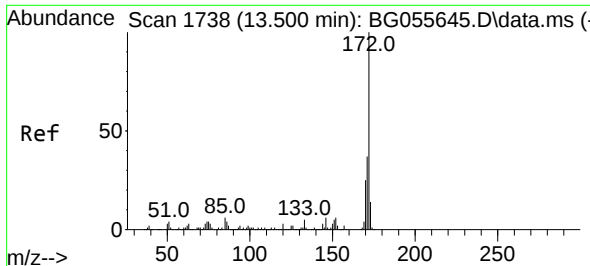


#42
2,4,6-Tribromophenol
Concen: 54.450 ng
RT: 16.343 min Scan# 2222
Delta R.T. 0.004 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13



Tgt Ion:330 Resp: 110859
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.8
141 29.6 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 36.489 ng
RT: 13.476 min Scan# 1738
Delta R.T. -0.008 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

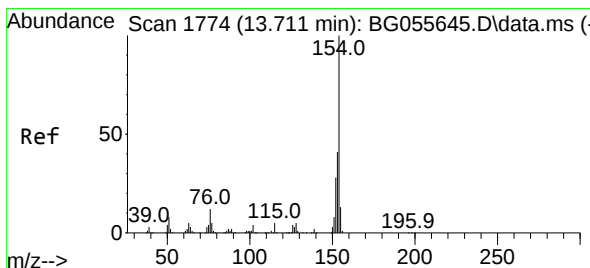
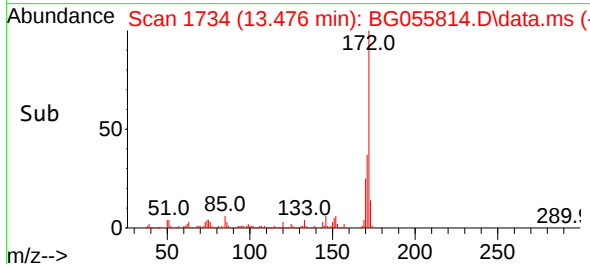
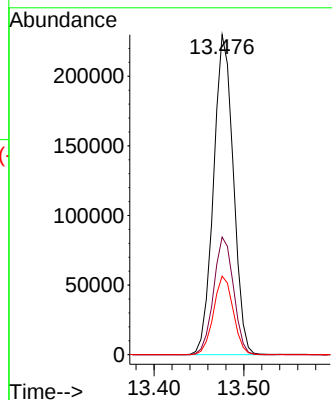
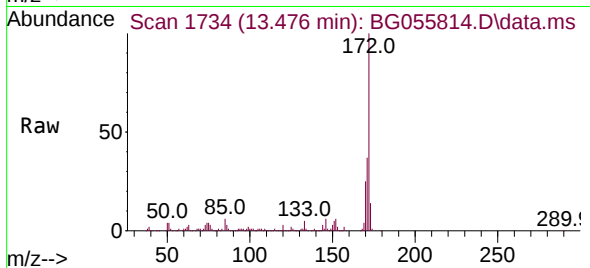
ClientSampleId :

LOCATION-2

Tgt Ion:172 Resp: 352165
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 24.5 20.2 30.4

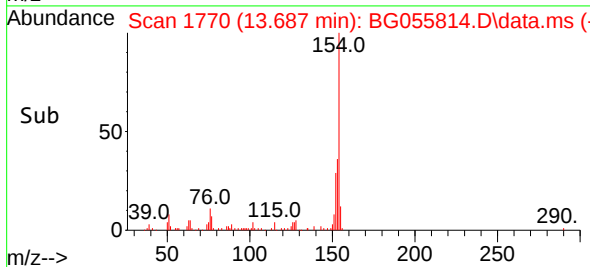
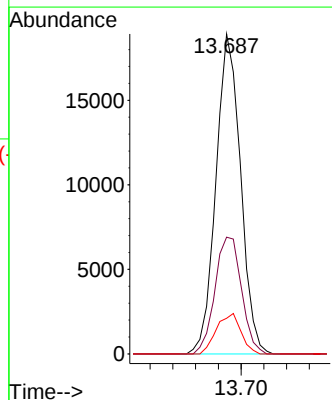
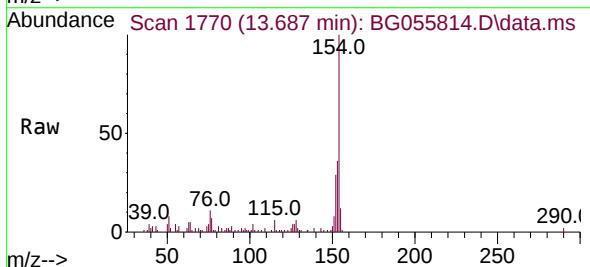
Manual Integrations
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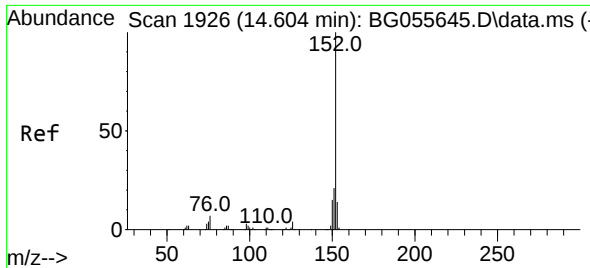
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#46
1,1'-Biphenyl
Concen: 2.698 ng
RT: 13.687 min Scan# 1770
Delta R.T. -0.008 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Tgt Ion:154 Resp: 28424
Ion Ratio Lower Upper
154 100
153 36.5 20.6 60.6
76 11.1 0.0 32.4





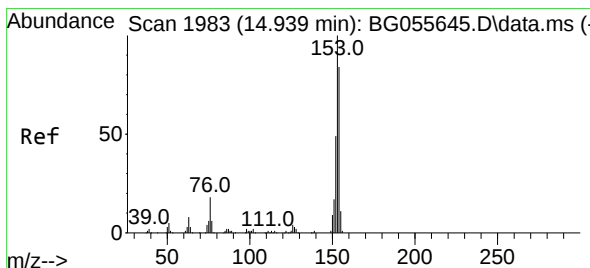
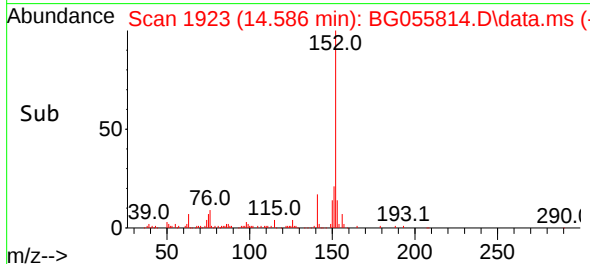
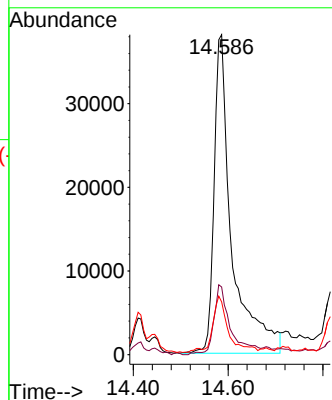
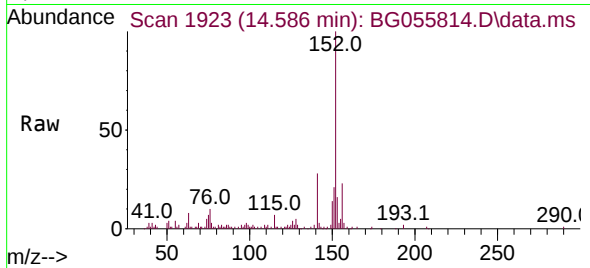
#49
Acenaphthylene
Concen: 7.367 ng
RT: 14.586 min Scan# 1923
Delta R.T. 0.004 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :
BNA_G
ClientSampleId :
LOCATION-2

Tgt Ion:152 Resp: 99353
Ion Ratio Lower Upper
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151 21.1 16.4 24.6
153 16.5 11.0 16.4

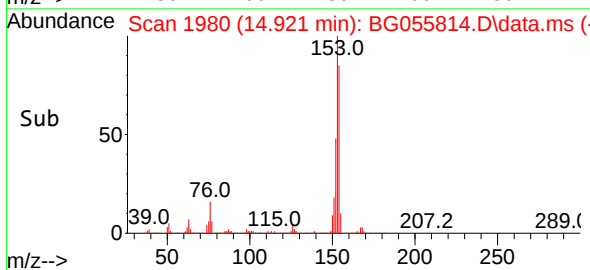
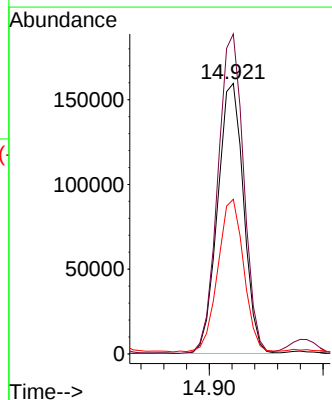
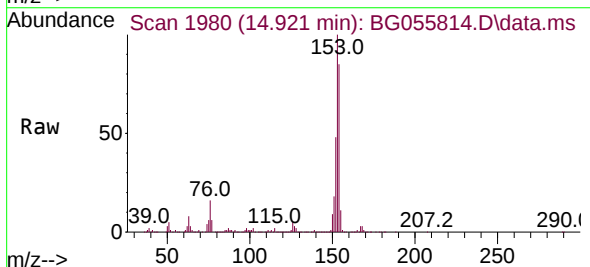
Manual Integrations
APPROVED

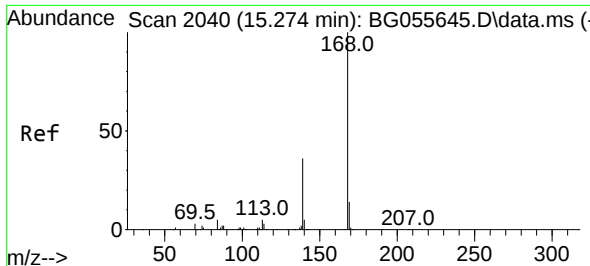
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#52
Acenaphthene
Concen: 28.716 ng
RT: 14.921 min Scan# 1980
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Tgt Ion:154 Resp: 253099
Ion Ratio Lower Upper
154 100
153 118.3 95.0 142.4
152 57.2 46.1 69.1





#55
Dibenzenofuran
Concen: 12.000 ng
RT: 15.250 min Scan# 2040
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

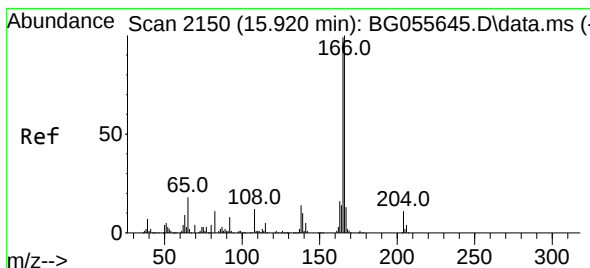
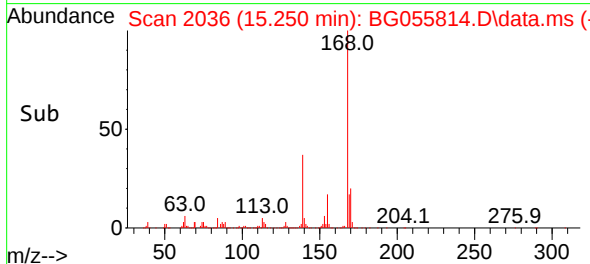
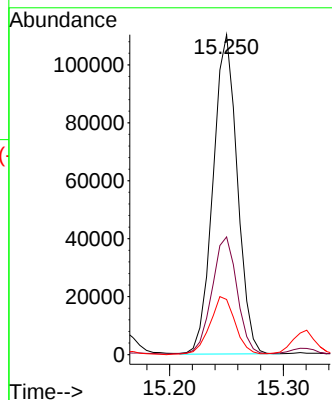
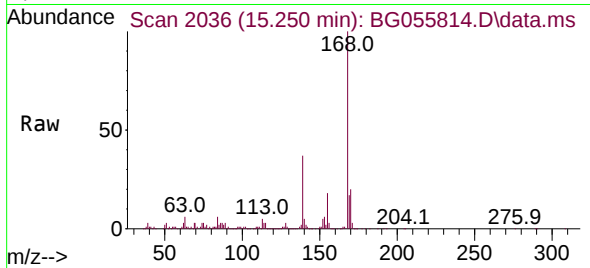
LOCATION-2

Tgt Ion:168 Resp: 163165
Ion Ratio Lower Upper
168 100
139 36.8 28.8 43.2
169 17.2 11.0 16.4

Manual Integrations

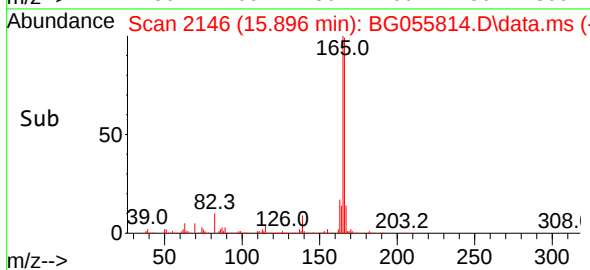
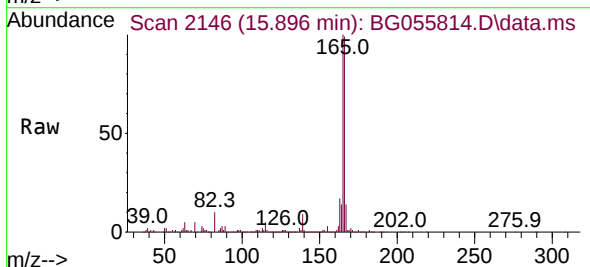
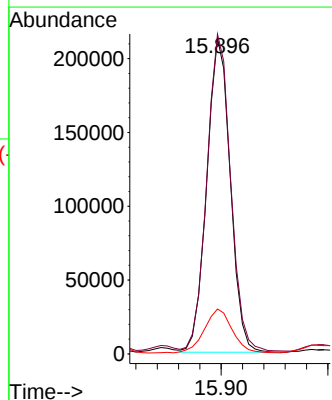
APPROVED

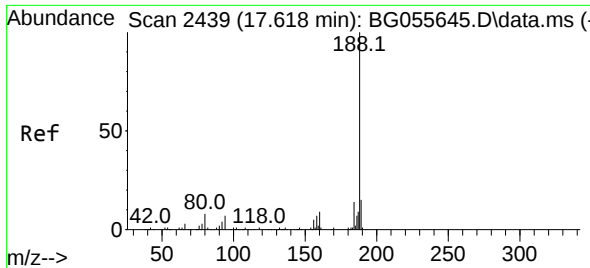
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#58
Fluorene
Concen: 29.946 ng
RT: 15.896 min Scan# 2146
Delta R.T. -0.002 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Tgt Ion:166 Resp: 325202
Ion Ratio Lower Upper
166 100
165 101.3 79.3 118.9
167 14.2 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.600 min Scan# 2439
Delta R.T. 0.004 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

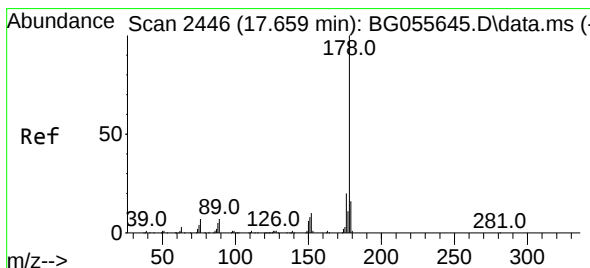
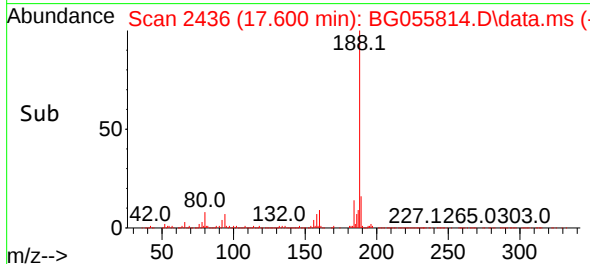
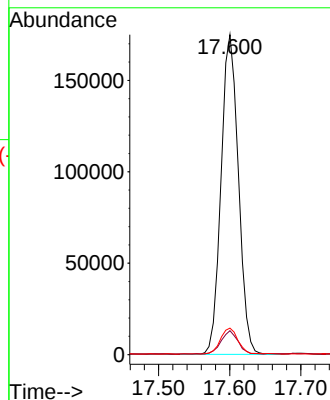
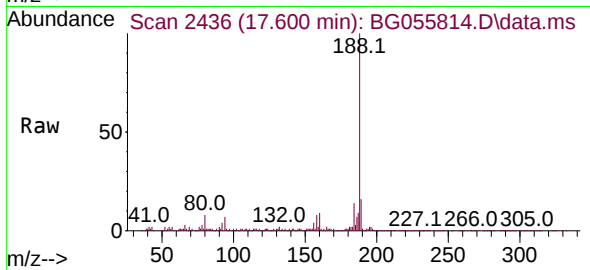
LOCATION-2

Tgt Ion:188 Resp: 296997
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.2
80 8.3 6.6 10.0

Manual Integrations

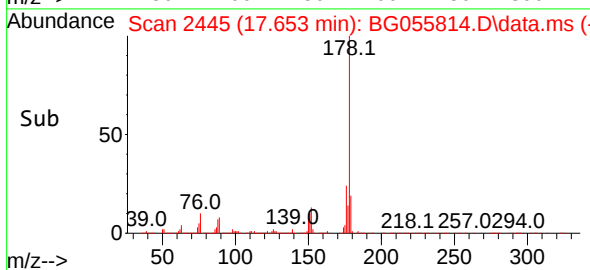
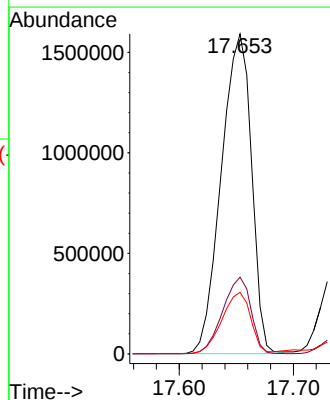
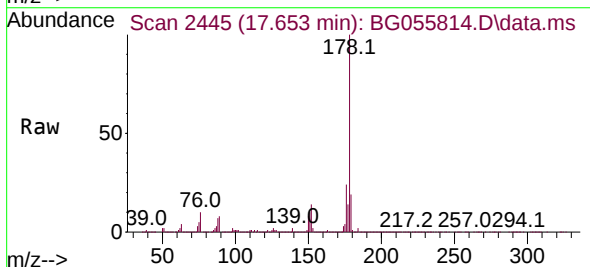
APPROVED

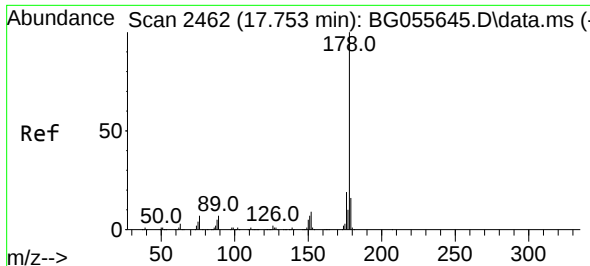
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#71
Phenanthrene
Concen: 182.567 ng m
RT: 17.653 min Scan# 2445
Delta R.T. 0.009 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Tgt Ion:178 Resp: 2926047
Ion Ratio Lower Upper
178 100
176 24.0 16.0 24.0
179 19.2 12.7 19.1#





#72
 Anthracene
 Concen: 36.162 ng
 RT: 17.735 min Scan# 2462
 Delta R.T. 0.004 min
 Lab File: BG055814.D
 Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

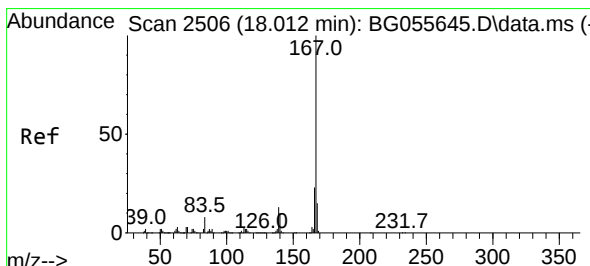
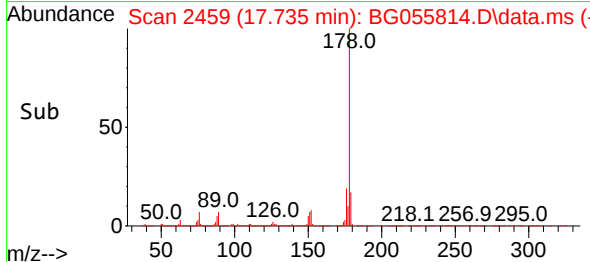
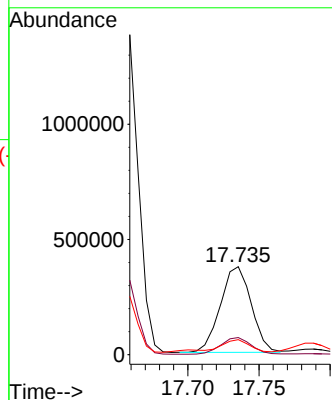
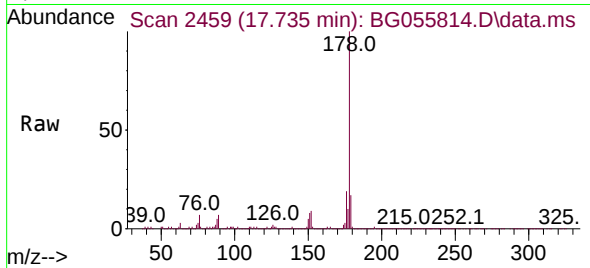
LOCATION-2

Tgt Ion:178 Resp: 56312
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.5 23.3
 179 17.0 12.5 18.7

Manual Integrations

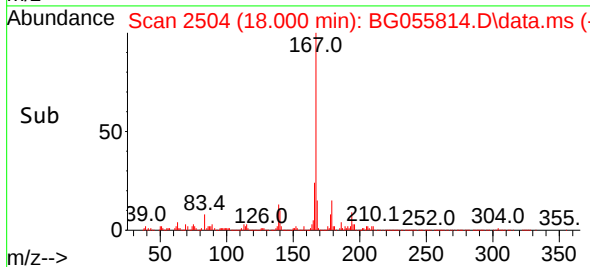
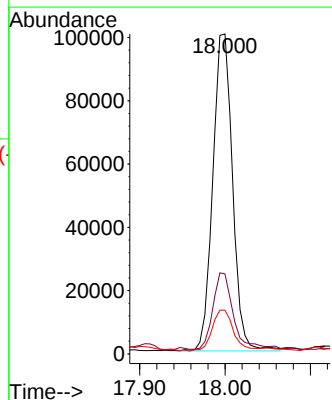
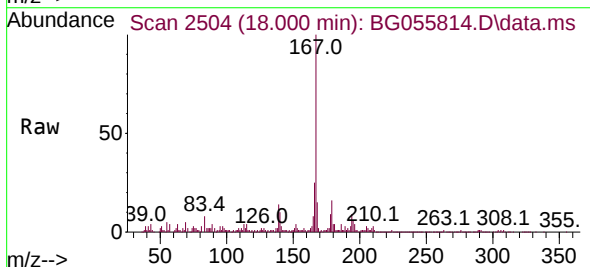
APPROVED

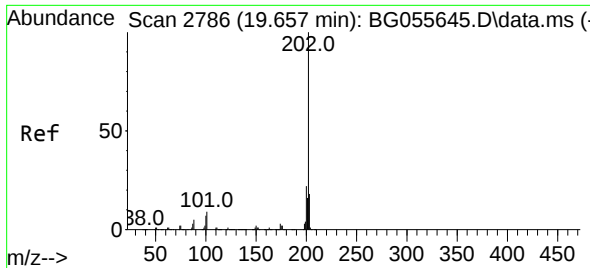
Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :Jagrut Upadhyay 11/29/2022



#73
 Carbazole
 Concen: 11.509 ng
 RT: 18.000 min Scan# 2504
 Delta R.T. 0.004 min
 Lab File: BG055814.D
 Acq: 28 Nov 2022 21:13

Tgt Ion:167 Resp: 161115
 Ion Ratio Lower Upper
 167 100
 166 25.0 18.2 27.2
 139 13.6 10.2 15.4





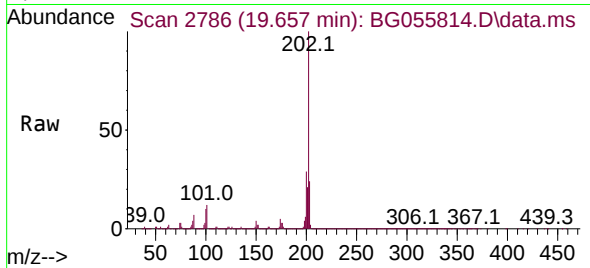
#75
Fluoranthene
Concen: 201.840 ng
RT: 19.657 min Scan# 21
Delta R.T. 0.021 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

LOCATION-2

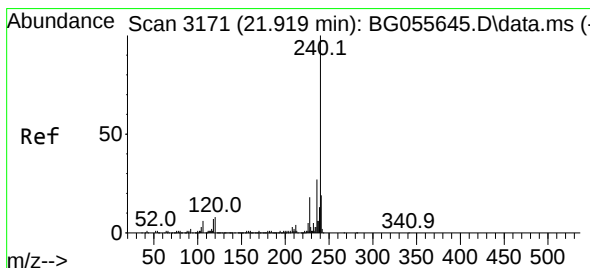
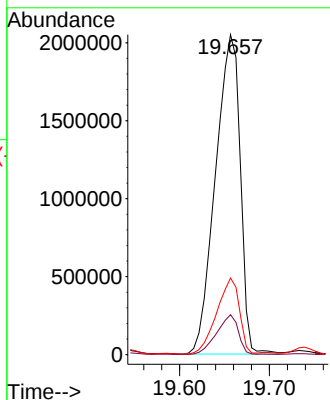
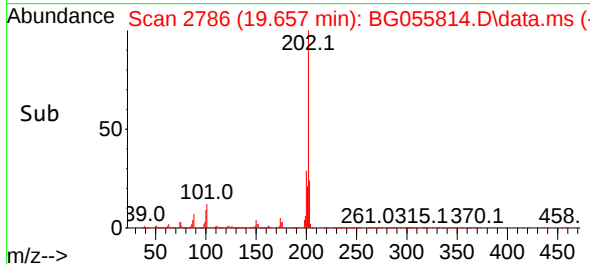


Tgt Ion:202 Resp: 3935536
Ion Ratio Lower Upper
202 100
101 12.5 0.0 28.8
203 23.9 0.0 38.1

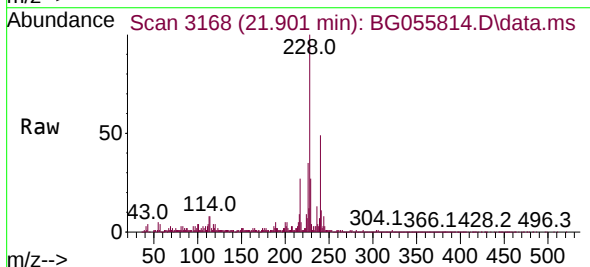
Manual Integrations

APPROVED

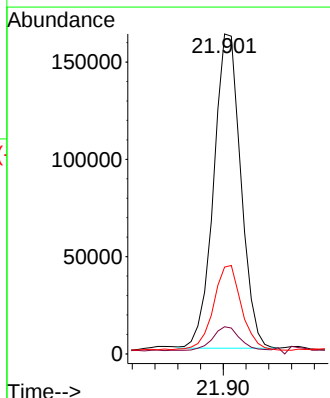
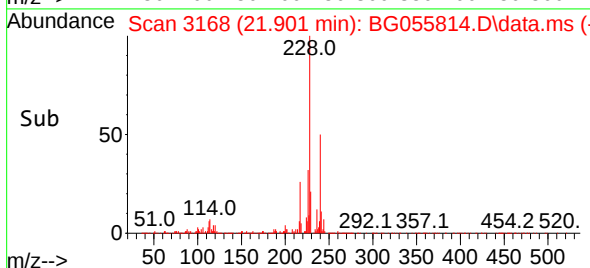
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022

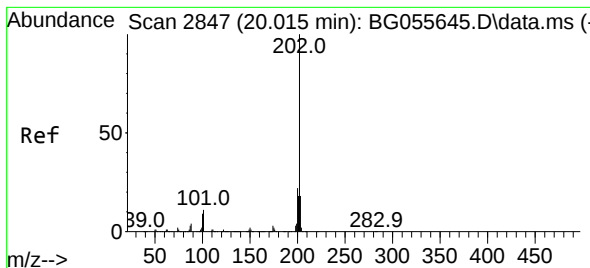


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.901 min Scan# 3168
Delta R.T. 0.009 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13



Tgt Ion:240 Resp: 267810
Ion Ratio Lower Upper
240 100
120 8.5 6.3 9.5
236 27.1 21.9 32.9





#78

Pyrene

Concen: 210.026 ng

RT: 20.021 min Scan# 2848

Delta R.T. 0.021 min

Lab File: BG055814.D

Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

LOCATION-2

Tgt Ion:202 Resp: 380726

Ion Ratio Lower Upper

202 100

200 29.0 17.8 26.6

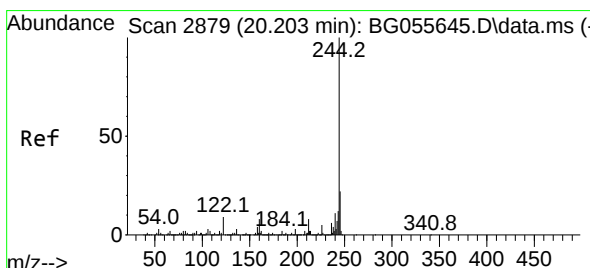
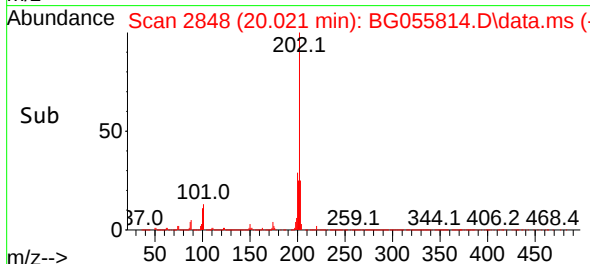
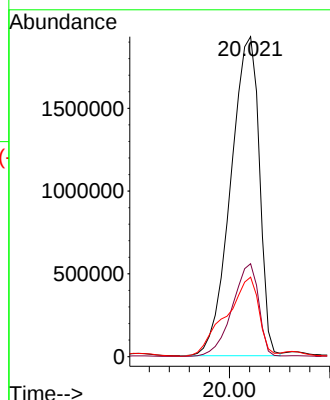
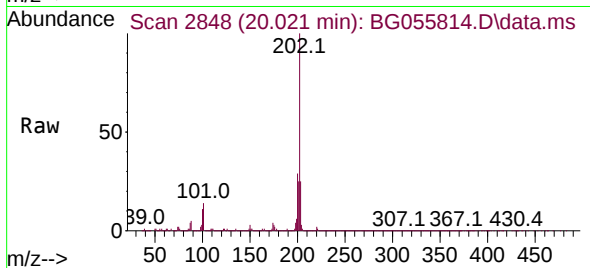
203 24.8 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/29/2022

Supervised By :Jagrut Upadhyay 11/29/2022



#79

Terphenyl-d14

Concen: 37.409 ng

RT: 20.186 min Scan# 2876

Delta R.T. 0.004 min

Lab File: BG055814.D

Acq: 28 Nov 2022 21:13

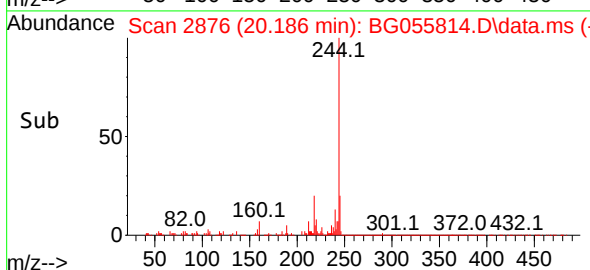
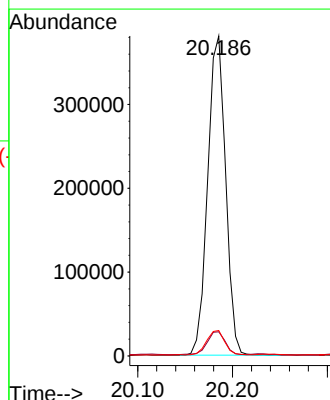
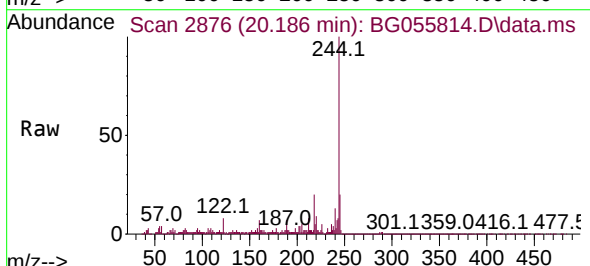
Tgt Ion:244 Resp: 500888

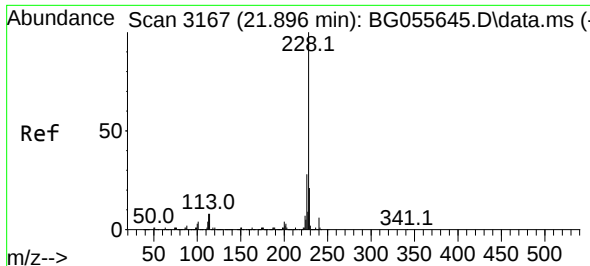
Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

122 7.9 6.9 10.3





#81
Benzo(a)anthracene
Concen: 112.106 ng
RT: 21.884 min Scan# 3165
Delta R.T. 0.009 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

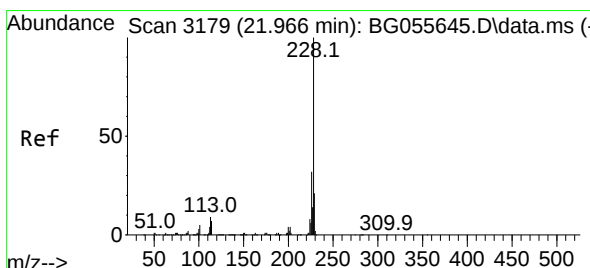
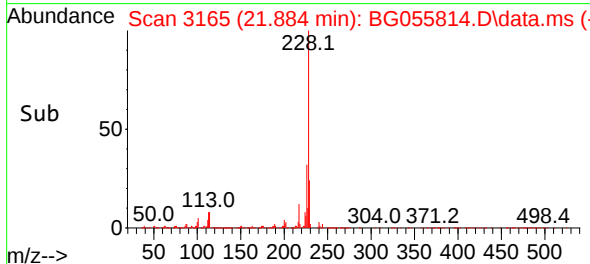
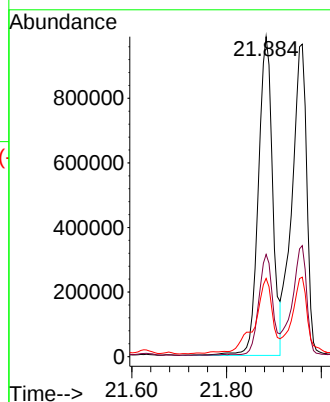
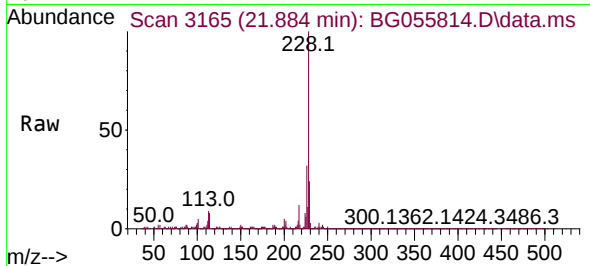
ClientSampleId :

LOCATION-2

Tgt Ion:228 Resp: 2067873
Ion Ratio Lower Upper
228 100
226 31.9 22.7 34.1
229 24.4 16.5 24.7

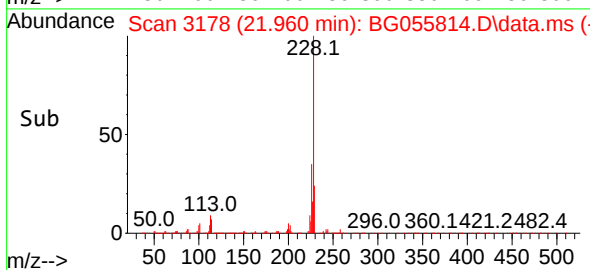
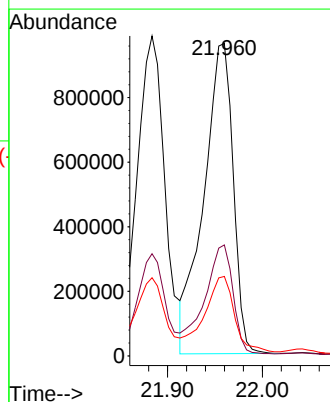
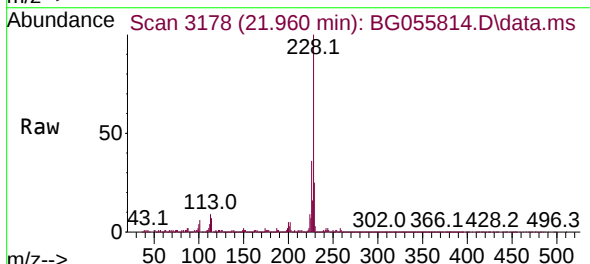
Manual Integrations
APPROVED

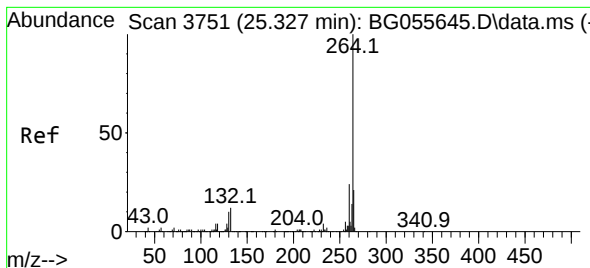
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#83
Chrysene
Concen: 118.627 ng
RT: 21.960 min Scan# 3178
Delta R.T. 0.015 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Tgt Ion:228 Resp: 2083101
Ion Ratio Lower Upper
228 100
226 35.5 25.4 38.2
229 25.4 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.315 min Scan# 31

Delta R.T. 0.027 min

Lab File: BG055814.D

Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

LOCATION-2

Tgt Ion:264 Resp: 31485

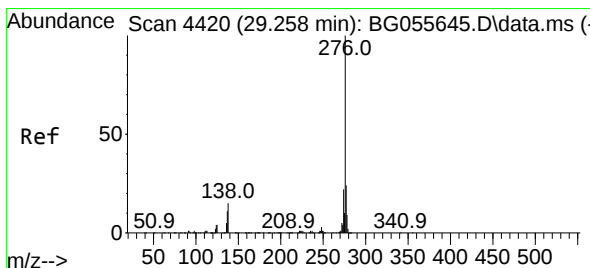
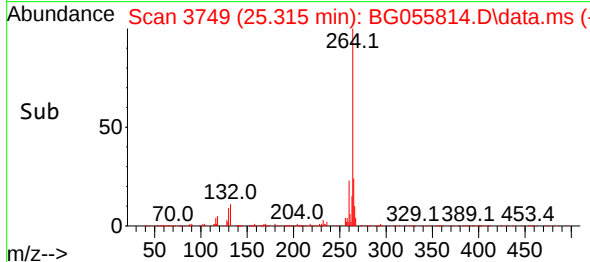
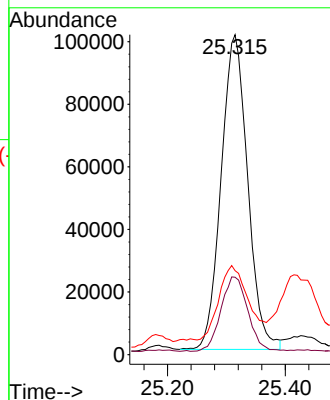
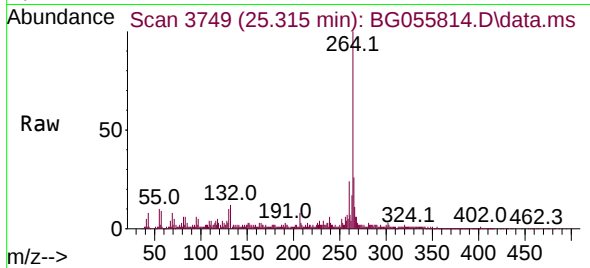
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	26.2	17.1	25.7

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: 39.123 ng

RT: 29.251 min Scan# 4419

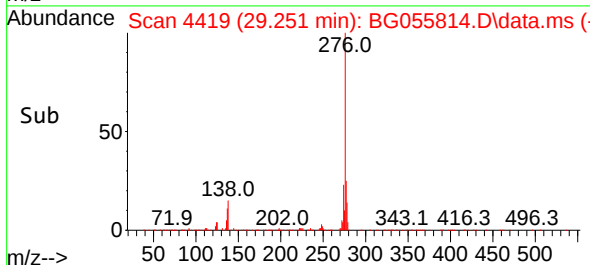
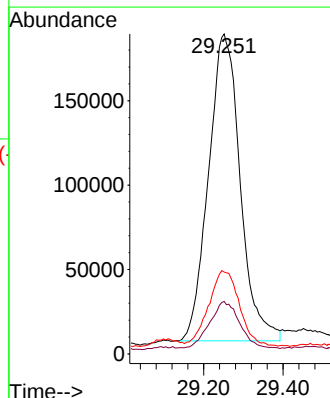
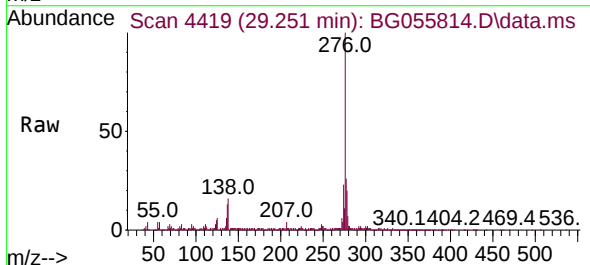
Delta R.T. 0.039 min

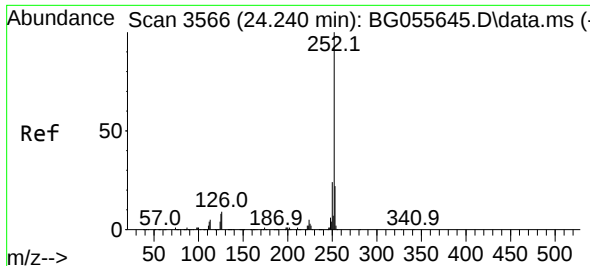
Lab File: BG055814.D

Acq: 28 Nov 2022 21:13

Tgt Ion:276 Resp: 1009117

Ion	Ratio	Lower	Upper
276	100		
138	14.6	10.4	15.6
277	24.1	20.2	30.4





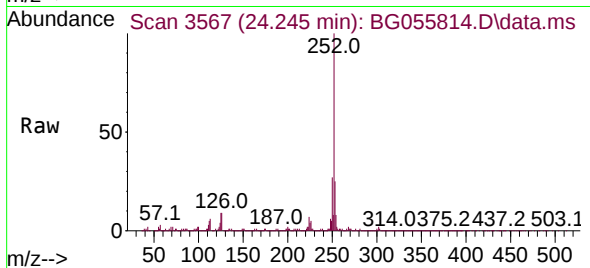
#88
Benzo(b)fluoranthene
Concen: 110.592 ng
RT: 24.245 min Scan# 3566
Delta R.T. 0.039 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNL_G

ClientSampleId :

LOCATION-2

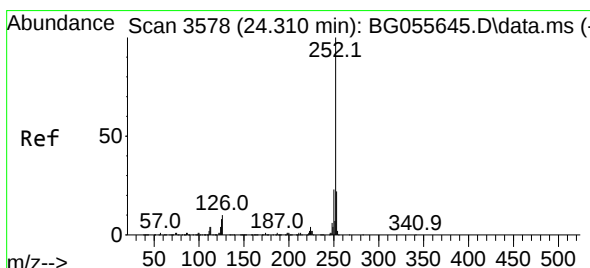
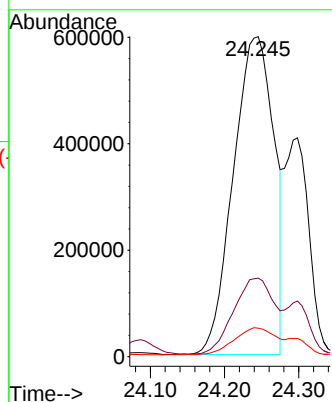
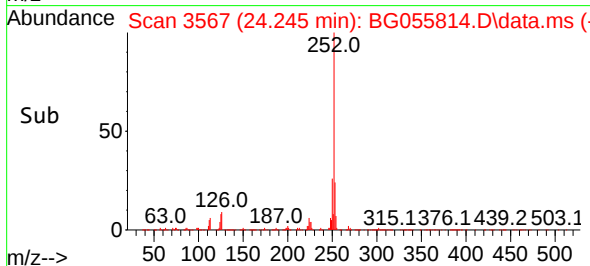


Tgt Ion:252 Resp: 2267686
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 8.9 6.2 9.2

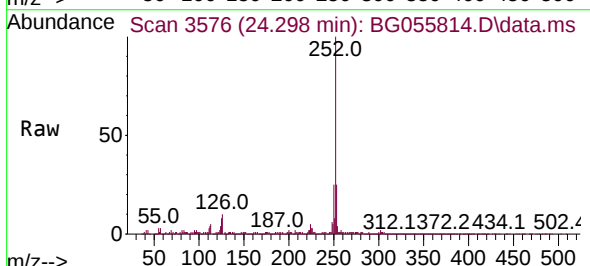
Manual Integrations

APPROVED

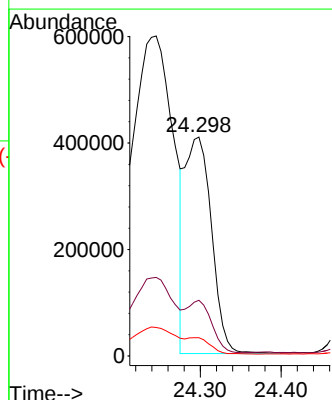
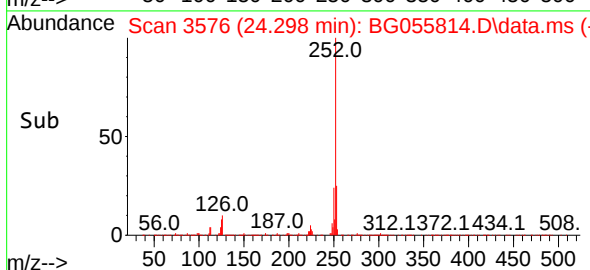
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022

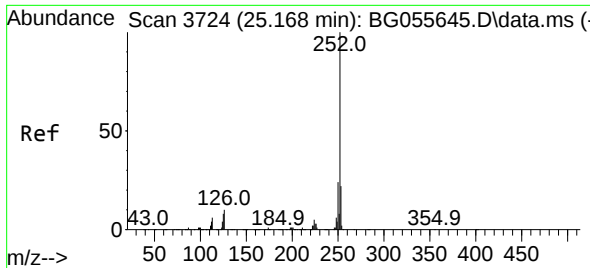


#89
Benzo(k)fluoranthene
Concen: 45.215 ng m
RT: 24.298 min Scan# 3576
Delta R.T. 0.021 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13



Tgt Ion:252 Resp: 924161
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.6
125 8.3 6.1 9.1





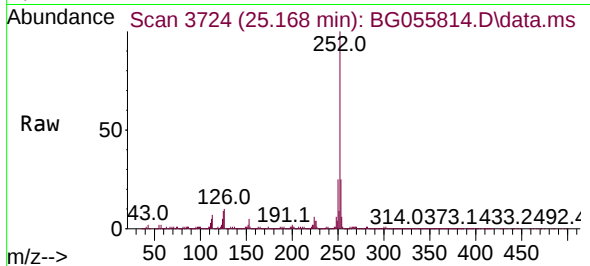
#90
Benzo(a)pyrene
Concen: 108.129 ng
RT: 25.168 min Scan# 31
Delta R.T. 0.039 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

LOCATION-2

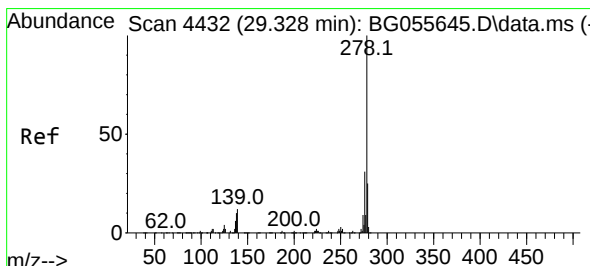
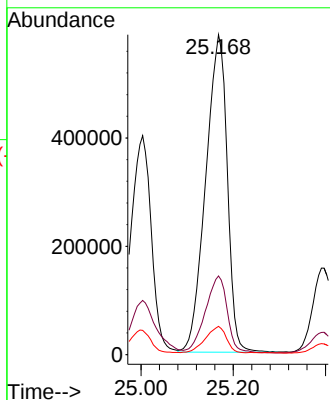
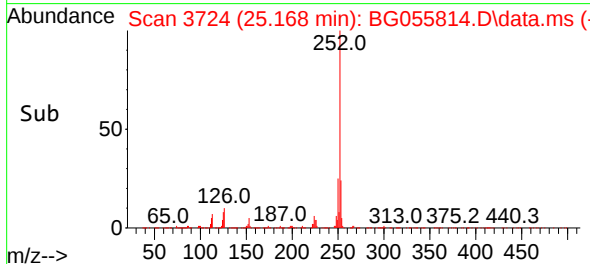


Tgt Ion:252 Resp: 1902618
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 8.9 6.4 9.6

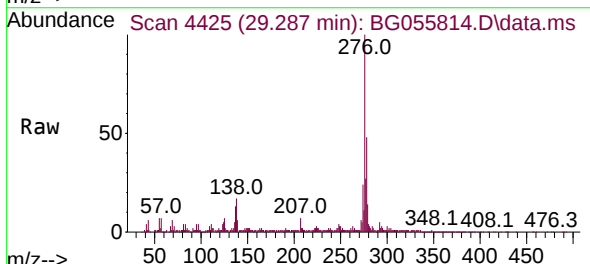
Manual Integrations

APPROVED

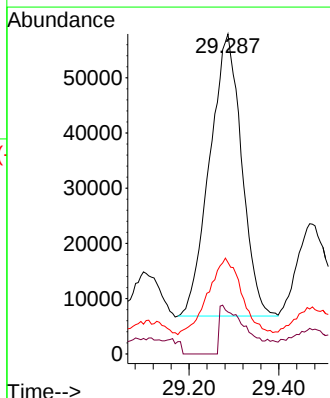
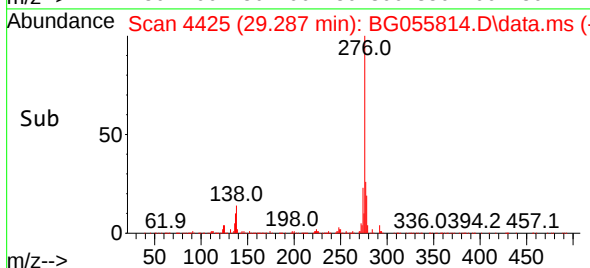
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :Jagrut Upadhyay 11/29/2022

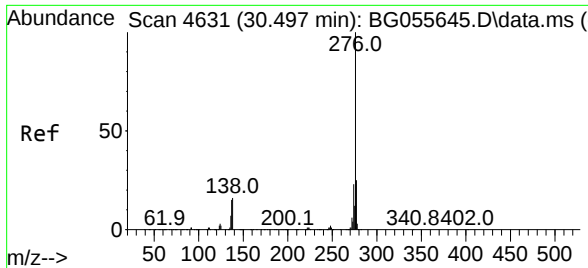


#91
Dibenzo(a,h)anthracene
Concen: 11.976 ng
RT: 29.287 min Scan# 4425
Delta R.T. 0.021 min
Lab File: BG055814.D
Acq: 28 Nov 2022 21:13



Tgt Ion:278 Resp: 252428
Ion Ratio Lower Upper
278 100
139 13.1 9.8 14.8
279 28.6 19.8 29.6





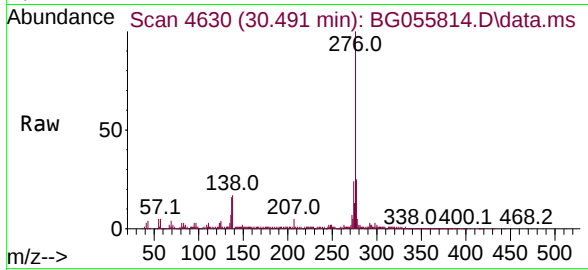
#92
 Benzo(g,h,i)perylene
 Concen: 48.397 ng
 RT: 30.491 min Scan# 4630
 Delta R.T. 0.056 min
 Lab File: BG055814.D
 Acq: 28 Nov 2022 21:13

Instrument :

BNA_G

ClientSampleId :

LOCATION-2



Tgt Ion:276 Resp: 102814
 Ion Ratio Lower Upper
 276 100
 277 25.1 19.8 29.6
 138 16.6 13.1 19.7

Manual Integrations

APPROVED

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

