

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053740.D
 Acq On : 27 May 2022 19:32
 Operator : CG/JU
 Sample : N3072-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124035

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/28/2022
 Supervised By : Jagrut Upadhyay 05/31/2022

Quant Time: May 28 01:59:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	24331	20.000	ng	-0.04
21) Naphthalene-d8	10.763	136	101687	20.000	ng	-0.04
39) Acenaphthene-d10	14.599	164	75848	20.000	ng	-0.03
64) Phenanthrene-d10	17.348	188	156299	20.000	ng	-0.03
76) Chrysene-d12	21.613	240	143973	20.000	ng	-0.03
86) Perylene-d12	24.796	264	154315	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	130376	90.940	ng	-0.02
7) Phenol-d6	7.162	99	205639	94.512	ng	0.00
23) Nitrobenzene-d5	9.118	82	140019	58.615	ng	-0.04
42) 2,4,6-Tribromophenol	16.096	330	92211	82.429	ng	-0.02
45) 2-Fluorobiphenyl	13.218	172	248339	47.845	ng	-0.03
79) Terphenyl-d14	19.956	244	319606	41.345	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.815	128	174846	33.803	ng	100
37) 2-Methylnaphthalene	12.419	142	74932	19.412	ng	97
38) 1-Methylnaphthalene	12.642	142	55653m	14.777	ng	
46) 1,1'-Biphenyl	13.430	154	24515	4.742	ng	99
49) Acenaphthylene	14.322	152	53909	8.340	ng	# 96
52) Acenaphthene	14.663	154	178984	46.464	ng	99
55) Dibenzofuran	14.998	168	286145	41.356	ng	99
58) Fluorene	15.644	166	248232	44.707	ng	99
71) Phenanthrene	17.401	178	2156682m	271.366	ng	
72) Anthracene	17.483	178	563776	72.171	ng	99
73) Carbazole	17.753	167	168698	22.035	ng	98
75) Fluoranthene	19.410	202	2030778	197.344	ng	94
78) Pyrene	19.774	202	1600791	171.757	ng	95
81) Benzo(a)anthracene	21.595	228	856410	93.262	ng	98
83) Chrysene	21.660	228	693404m	80.849	ng	
87) Indeno(1,2,3-cd)pyrene	28.450	276	272848	25.387	ng	# 97
88) Benzo(b)fluoranthene	23.798	252	698033	76.420	ng	99
89) Benzo(k)fluoranthene	23.851	252	258330m	28.781	ng	
90) Benzo(a)pyrene	24.655	252	514430	66.169	ng	98
91) Dibenzo(a,h)anthracene	28.468	278	87400m	9.869	ng	
92) Benzo(g,h,i)perylene	29.578	276	217779	24.808	ng	96

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

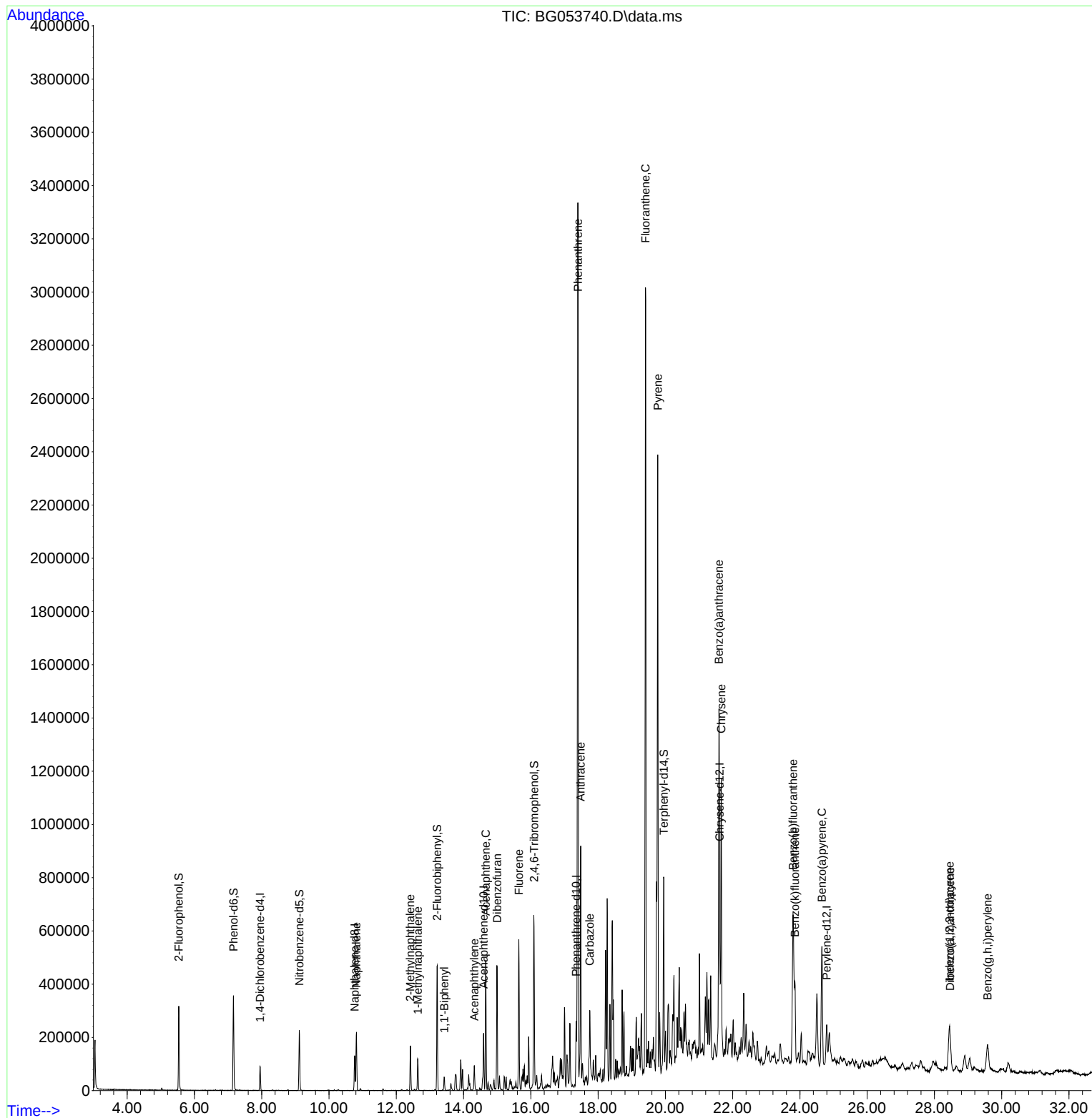
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
Data File : BG053740.D
Acq On : 27 May 2022 19:32
Operator : CG/JU
Sample : N3072-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

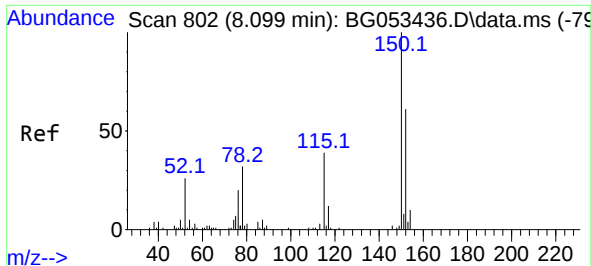
Instrument :
BNA_G
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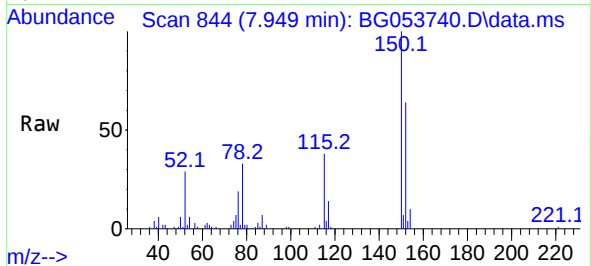
Quant Time: May 28 01:59:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 15:11:41 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 84
Delta R.T. -0.037 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

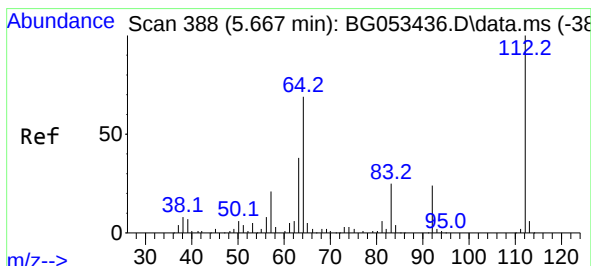
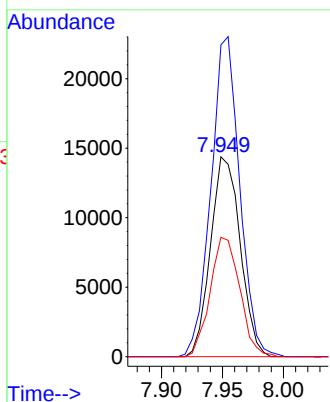
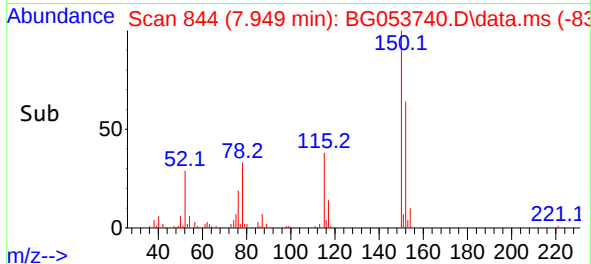
Instrument :
BNA_G
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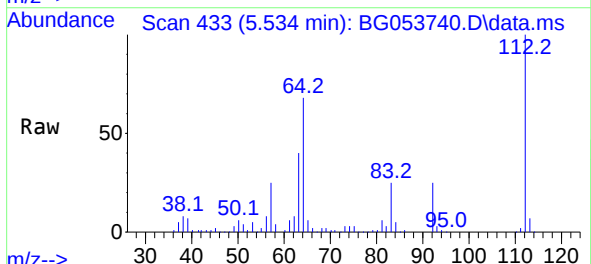
Tgt Ion:152 Resp: 2433
Ion Ratio Lower Upper
152 100
150 156.1 131.6 197.4
115 59.8 50.9 76.3

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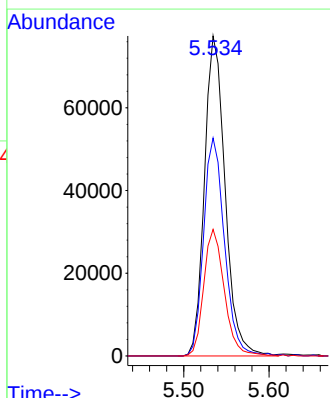
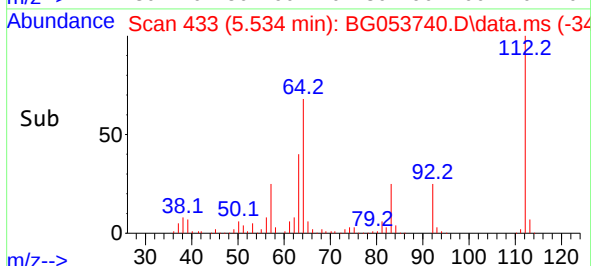
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

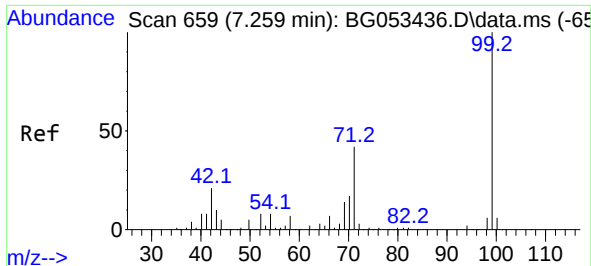


#5
2-Fluorophenol
Concen: 90.940 ng
RT: 5.534 min Scan# 433
Delta R.T. -0.020 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32



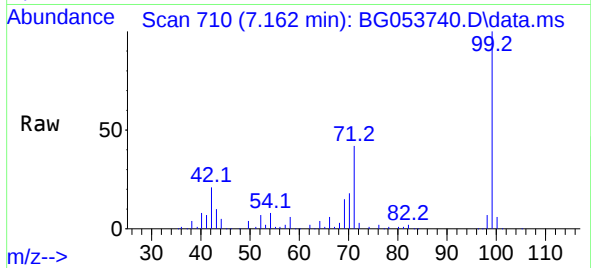
Tgt Ion:112 Resp: 130376
Ion Ratio Lower Upper
112 100
64 68.1 55.1 82.7
63 39.6 30.4 45.6





#7
Phenol-d6
Concen: 94.512 ng
RT: 7.162 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

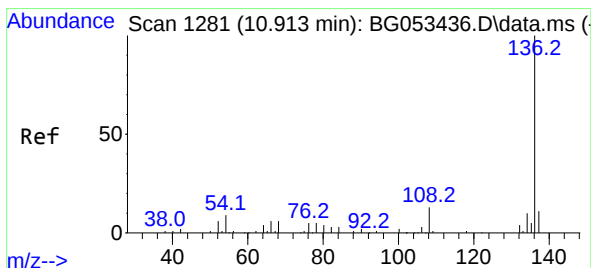
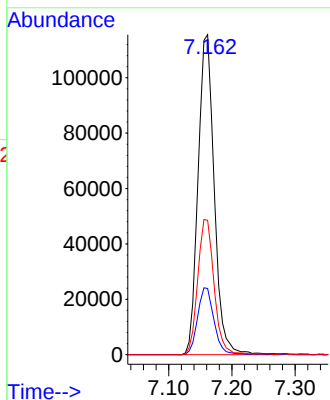
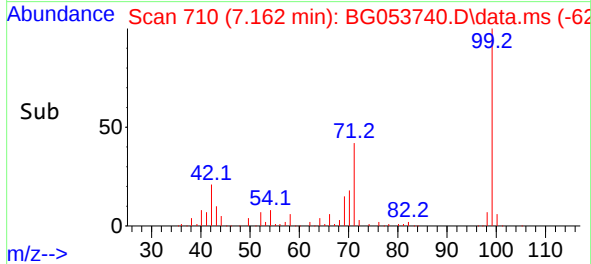
Instrument :
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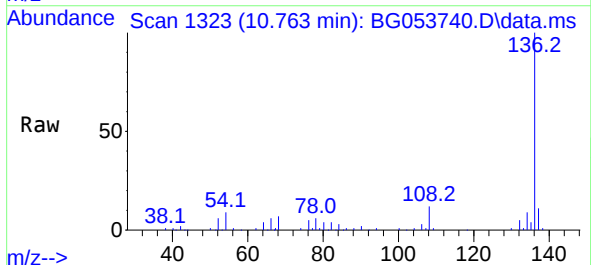
Tgt Ion: 99 Resp: 205639
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 42.0 33.8 50.8

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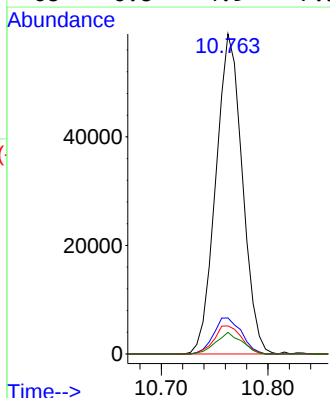
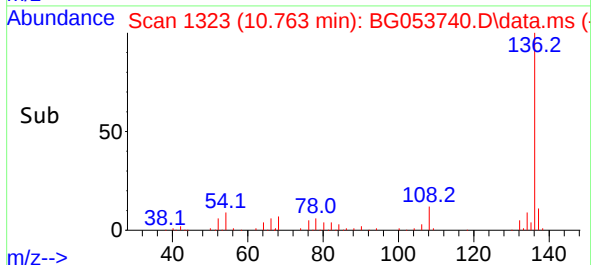
Reviewed By :Christian Giraldo 05/28/2022
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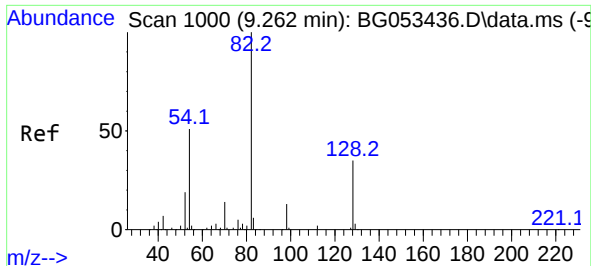


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 1323
Delta R.T. -0.037 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32



Tgt Ion:136 Resp: 101687
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 8.7 7.4 11.2
68 6.8 4.9 7.3





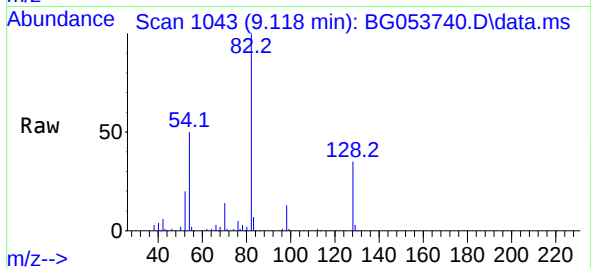
#23
Nitrobenzene-d5
Concen: 58.615 ng
RT: 9.118 min Scan# 1000
Delta R.T. -0.037 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Instrument :

BNA_G

ClientSampleId :

PSC-124035

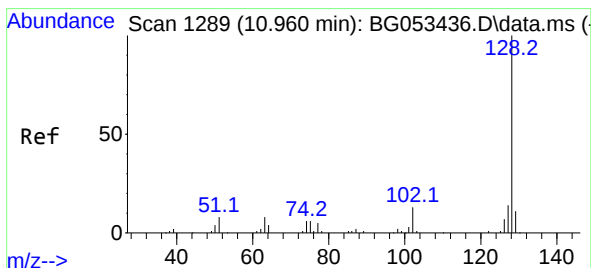
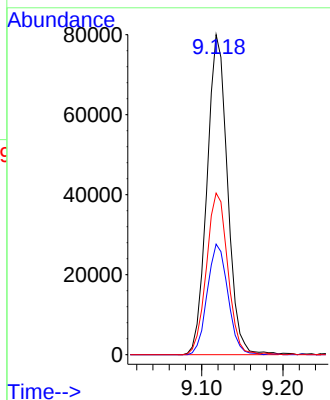
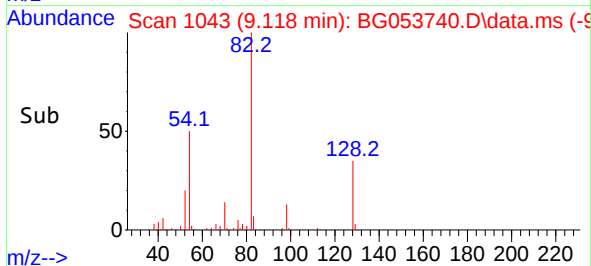


Tgt Ion: 82 Resp: 140019
Ion Ratio Lower Upper
82 100
128 34.5 27.9 41.9
54 50.5 41.2 61.8

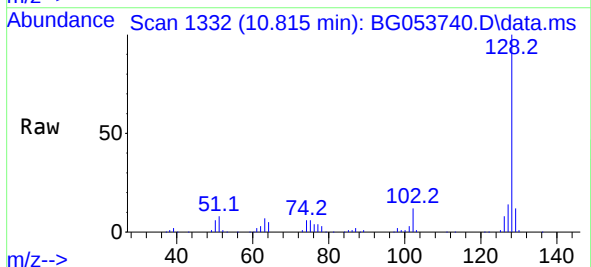
Manual Integrations

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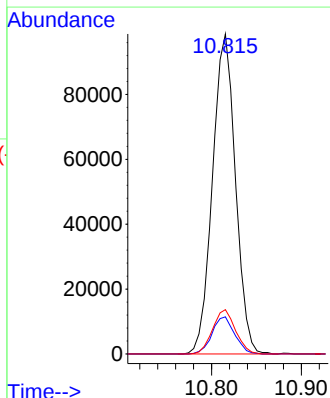
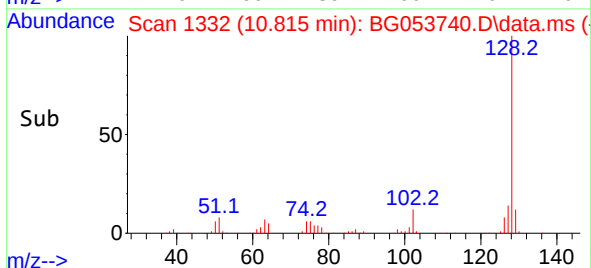
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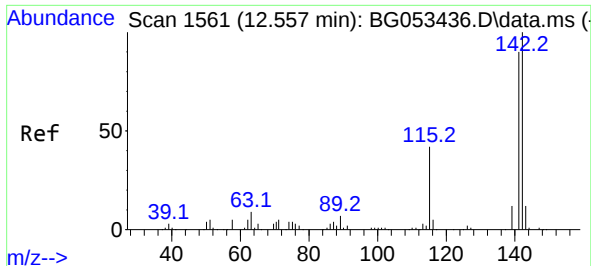


#31
Naphthalene
Concen: 33.803 ng
RT: 10.815 min Scan# 1332
Delta R.T. -0.032 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32



Tgt Ion:128 Resp: 174846
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.8 11.1 16.7





#37

2-Methylnaphthalene

Concen: 19.412 ng

RT: 12.419 min Scan# 1

Delta R.T. -0.037 min

Lab File: BG053740.D

Acq: 27 May 2022 19:32

Instrument :

BNA_G

ClientSampleId :

PSC-124035

Tgt Ion:142 Resp: 7493

Ion Ratio Lower Upper

142 100

141 87.4 72.3 108.5

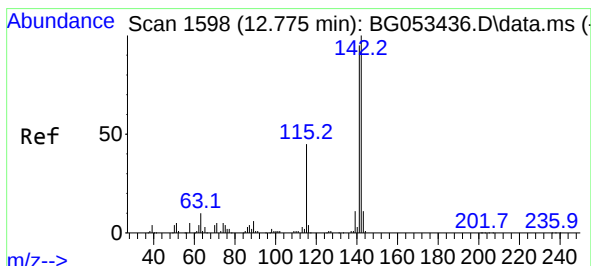
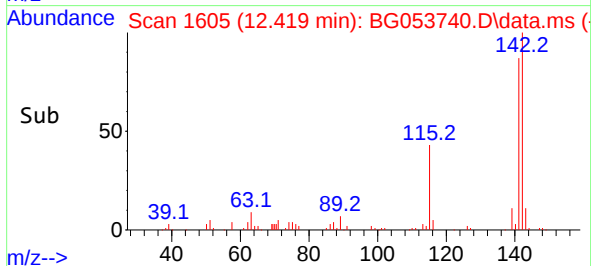
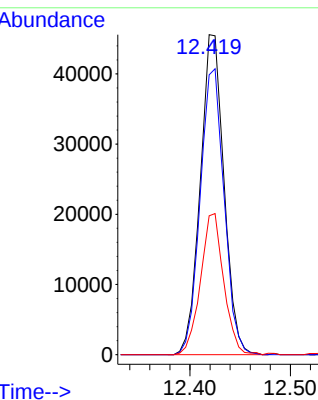
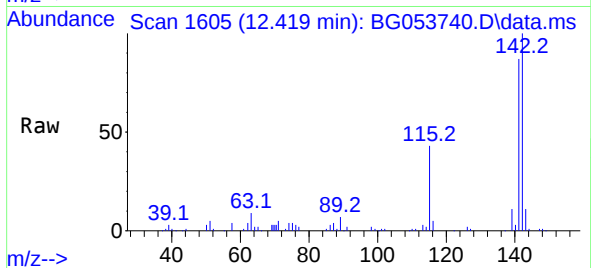
115 43.4 33.7 50.5

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 14.777 ng m

RT: 12.642 min Scan# 1643

Delta R.T. -0.032 min

Lab File: BG053740.D

Acq: 27 May 2022 19:32

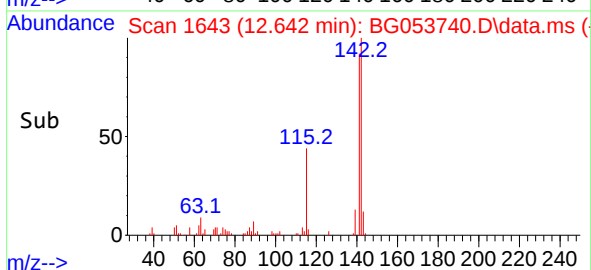
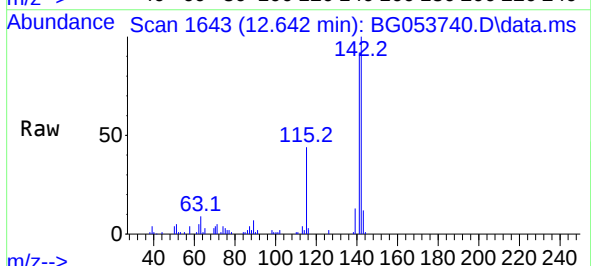
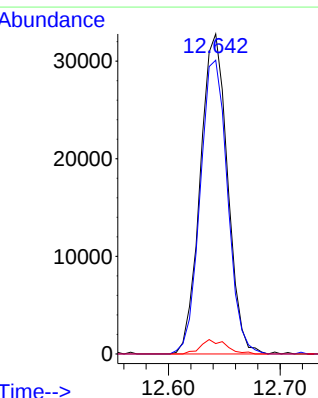
Tgt Ion:142 Resp: 55653

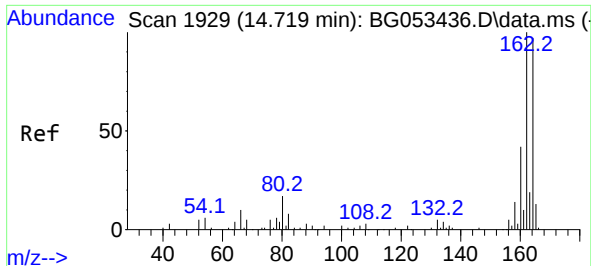
Ion Ratio Lower Upper

142 100

141 91.8 76.4 114.6

116 3.3 3.3 4.9#





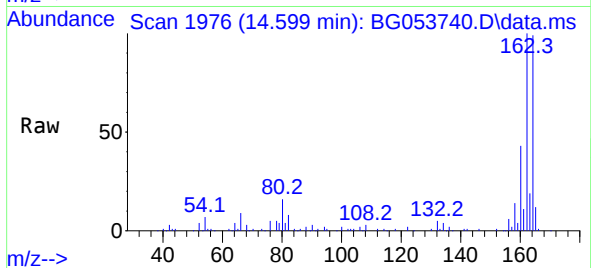
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.599 min Scan# 1929
Delta R.T. -0.026 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Instrument :

BNA_G

ClientSampleId :

PSC-124035

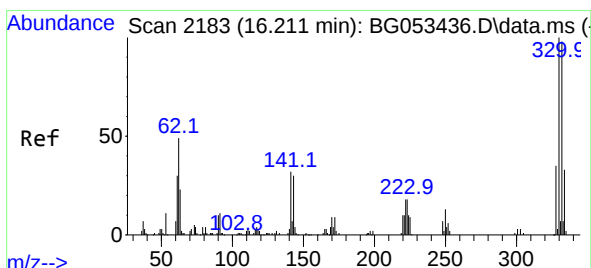
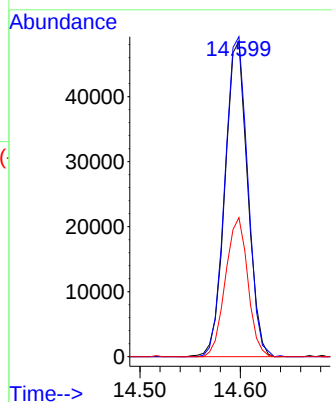
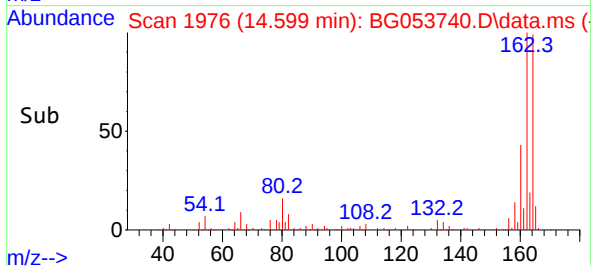


Tgt Ion:164 Resp: 7584
Ion Ratio Lower Upper
164 100
162 101.5 82.3 123.5
160 44.1 34.2 51.2

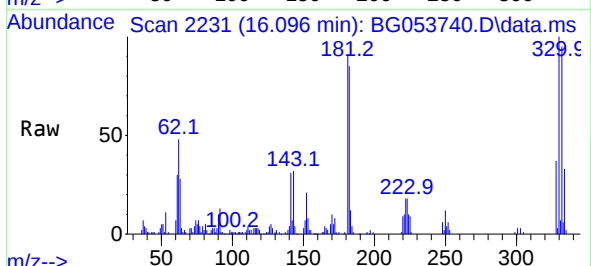
Manual Integrations

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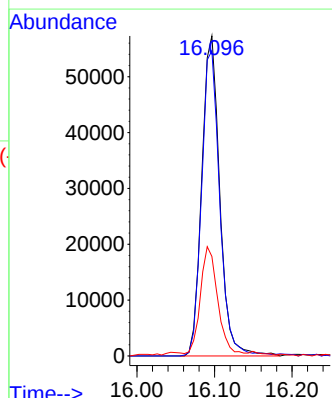
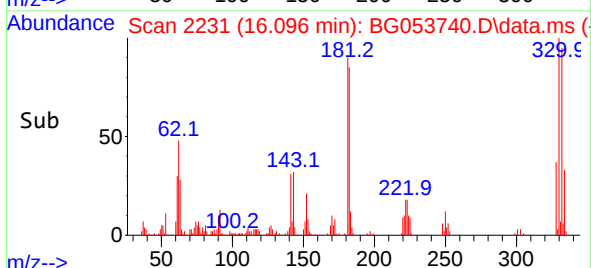
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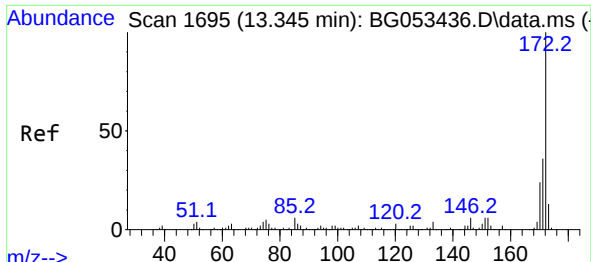


#42
2,4,6-Tribromophenol
Concen: 82.429 ng
RT: 16.096 min Scan# 2231
Delta R.T. -0.020 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32



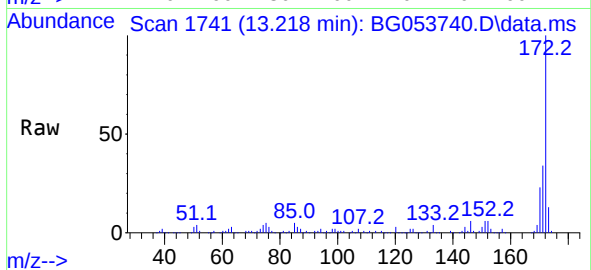
Tgt Ion:330 Resp: 92211
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 31.7 27.1 40.7





#45
2-Fluorobiphenyl
Concen: 47.845 ng
RT: 13.218 min Scan# 1770
Delta R.T. -0.026 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

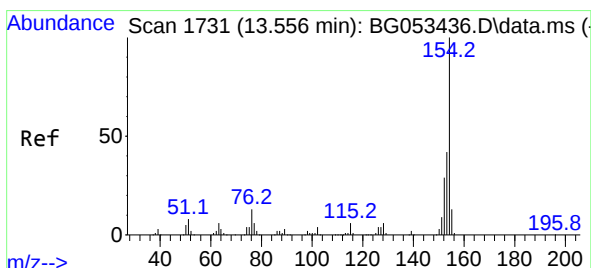
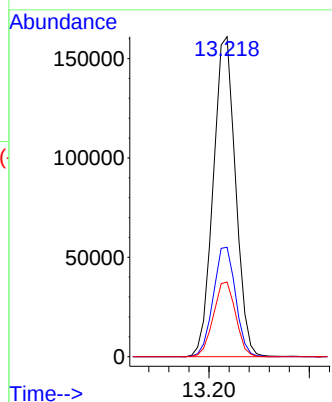
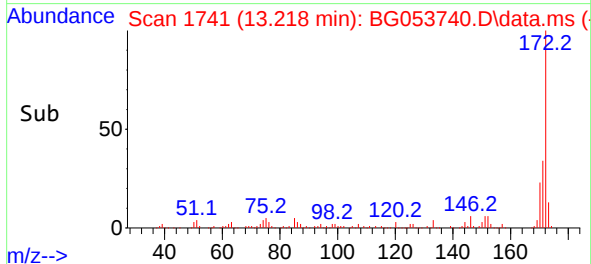
Instrument :
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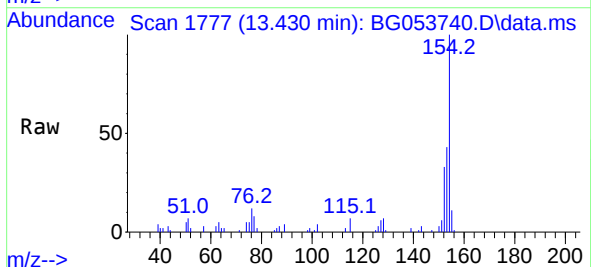
Tgt Ion:172 Resp: 248339
Ion Ratio Lower Upper
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171 34.2 28.5 42.7
170 23.4 18.9 28.3

Manual Integrations
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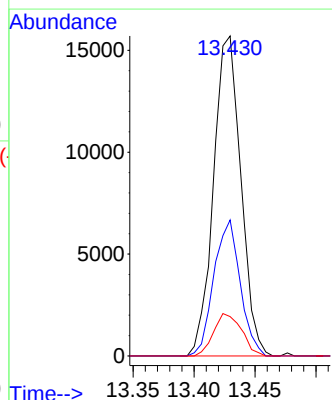
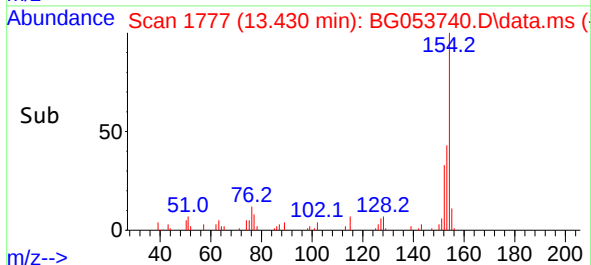
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

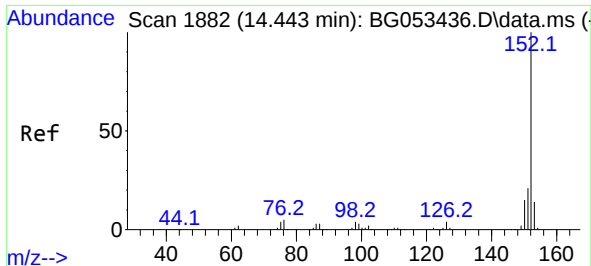


#46
1,1'-Biphenyl
Concen: 4.742 ng
RT: 13.430 min Scan# 1777
Delta R.T. -0.032 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32



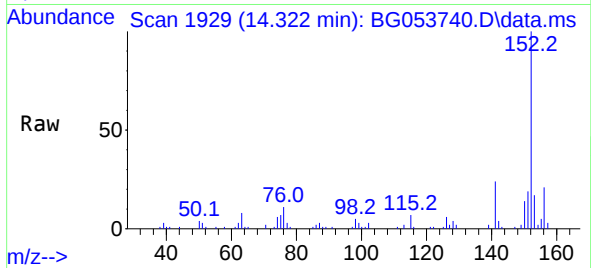
Tgt Ion:154 Resp: 24515
Ion Ratio Lower Upper
154 100
153 42.5 21.6 61.6
76 12.3 0.0 32.6





#49
Acenaphthylene
Concen: 8.340 ng
RT: 14.322 min Scan# 1929
Delta R.T. -0.026 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

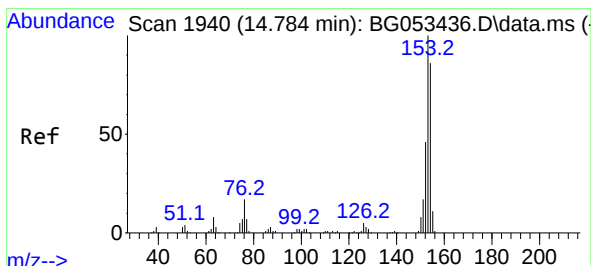
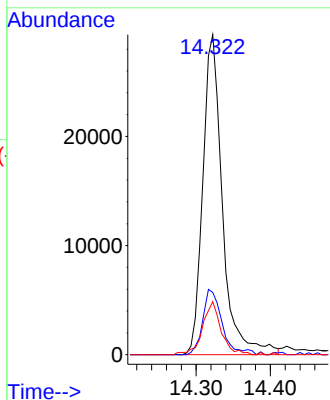
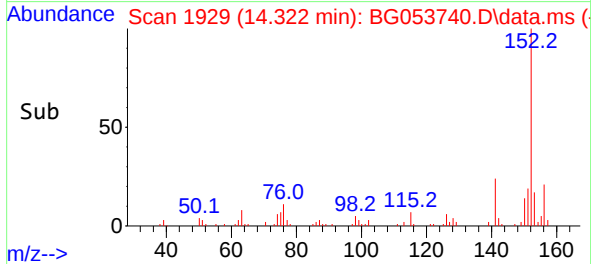
Instrument : BNA_G
ClientSampleId : PSC-124035



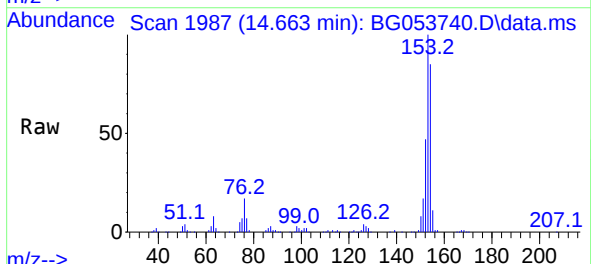
Tgt Ion:152 Resp: 53909
Ion Ratio Lower Upper
152 100
151 19.5 16.4 24.6
153 16.5 10.8 16.2

Manual Integrations
APPROVED

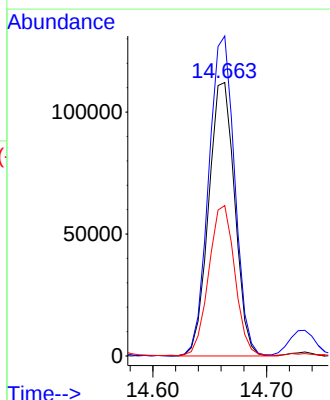
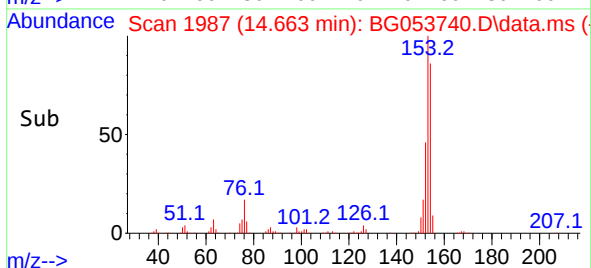
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

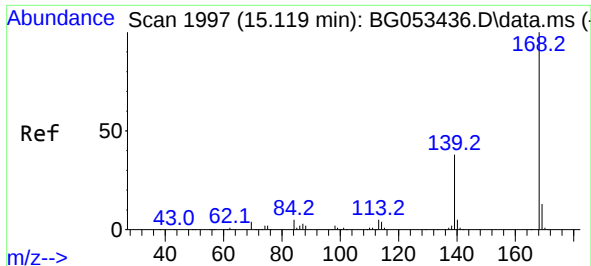


#52
Acenaphthene
Concen: 46.464 ng
RT: 14.663 min Scan# 1987
Delta R.T. -0.026 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32



Tgt Ion:154 Resp: 178984
Ion Ratio Lower Upper
154 100
153 117.0 92.7 139.1
152 55.0 42.6 64.0





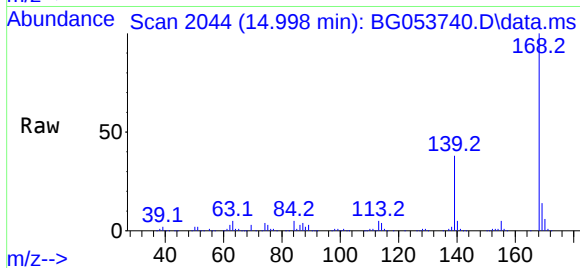
#55
Dibenzofuran
Concen: 41.356 ng
RT: 14.998 min Scan# 2044
Delta R.T. -0.026 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Instrument :

BNA_G

ClientSampleId :

PSC-124035

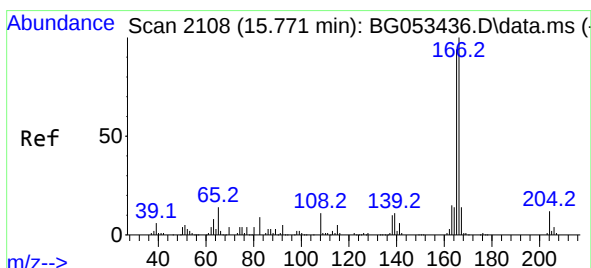
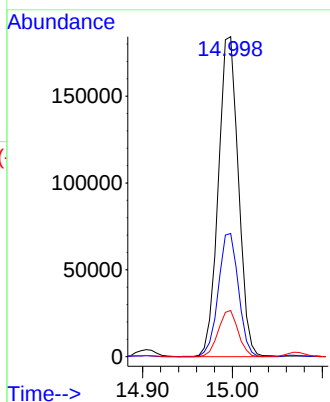
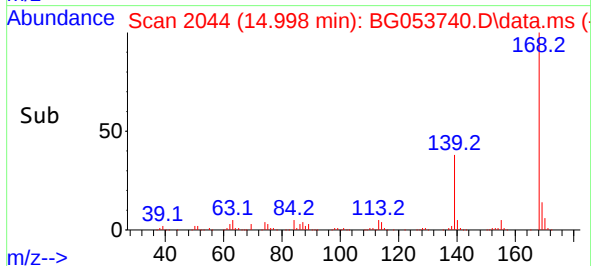


Tgt Ion:168 Resp: 28614
Ion Ratio Lower Upper
168 100
139 38.5 30.5 45.7
169 14.4 10.3 15.5

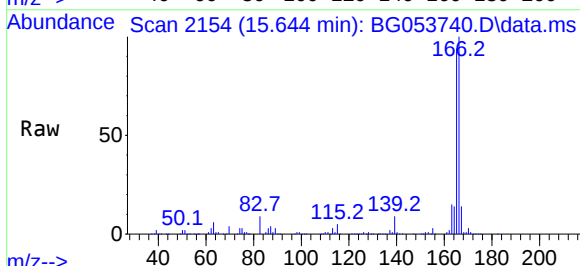
Manual Integrations

APPROVED

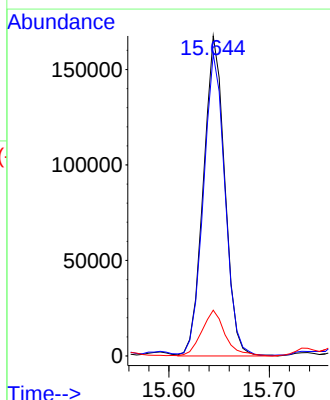
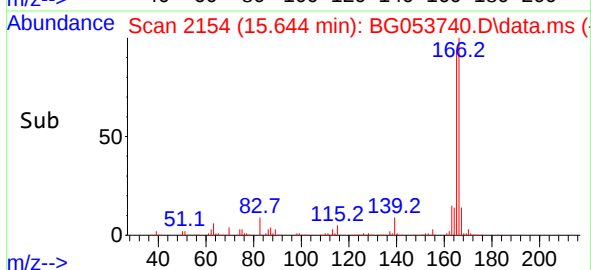
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

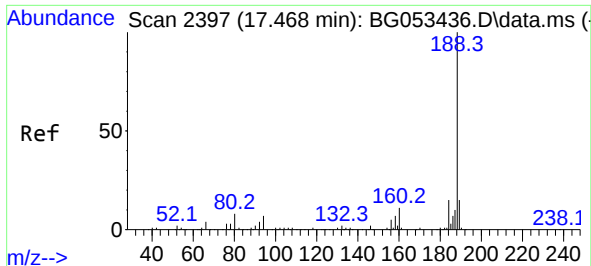


#58
Fluorene
Concen: 44.707 ng
RT: 15.644 min Scan# 2154
Delta R.T. -0.032 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32



Tgt Ion:166 Resp: 248232
Ion Ratio Lower Upper
166 100
165 94.4 75.0 112.6
167 14.3 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.026 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Instrument :

BNA_G

ClientSampleId :

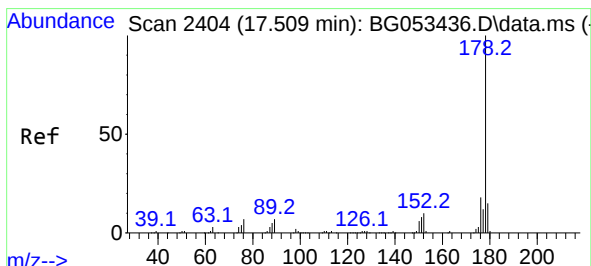
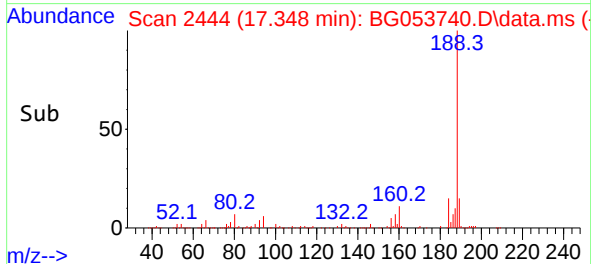
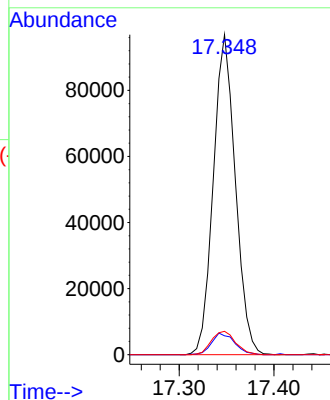
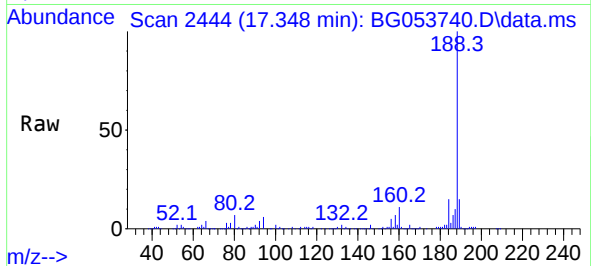
PSC-124035

Tgt Ion:188 Resp: 156299
Ion Ratio Lower Upper
188 100
94 5.9 5.4 8.0
80 7.3 6.8 10.2

Manual Integrations

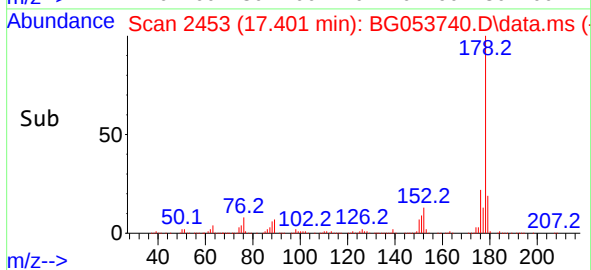
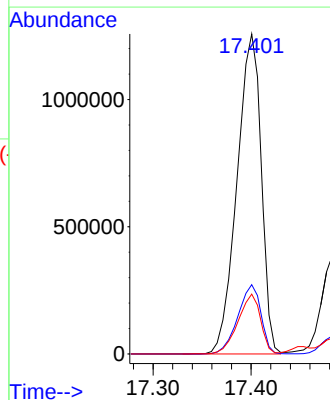
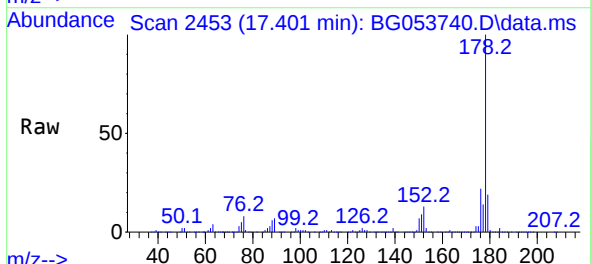
APPROVED

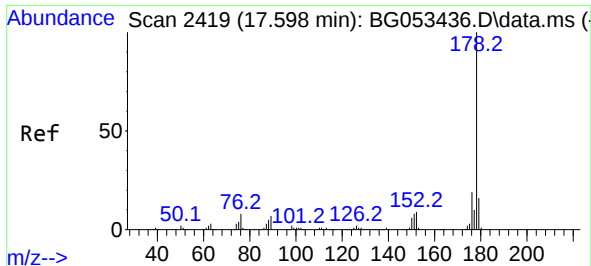
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#71
Phenanthrene
Concen: 271.366 ng m
RT: 17.401 min Scan# 2453
Delta R.T. -0.014 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Tgt Ion:178 Resp: 2156682
Ion Ratio Lower Upper
178 100
176 21.7 14.1 21.1#
179 18.7 12.1 18.1#





#72
 Anthracene
 Concen: 72.171 ng
 RT: 17.483 min Scan# 2419
 Delta R.T. -0.020 min
 Lab File: BG053740.D
 Acq: 27 May 2022 19:32

Instrument :

BNA_G

ClientSampleId :

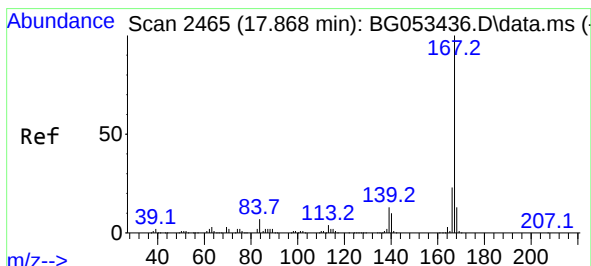
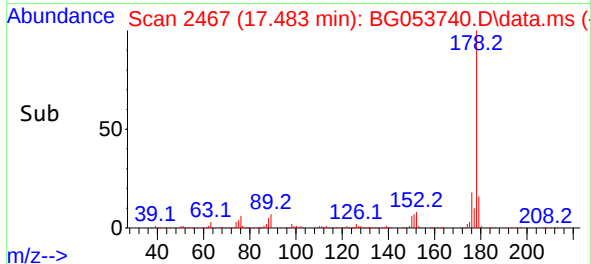
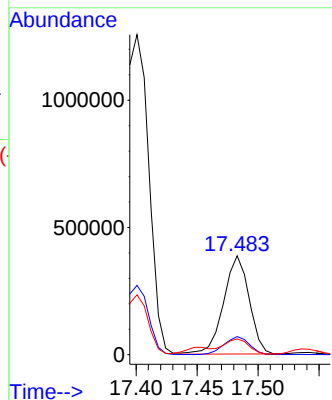
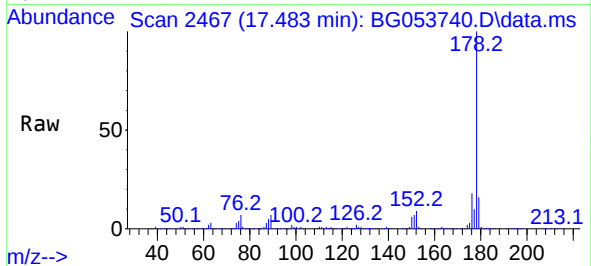
PSC-124035

Tgt Ion:178 Resp: 563770
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.2 22.8
 179 15.9 13.0 19.4

Manual Integrations

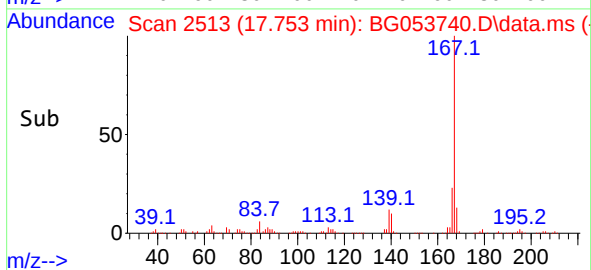
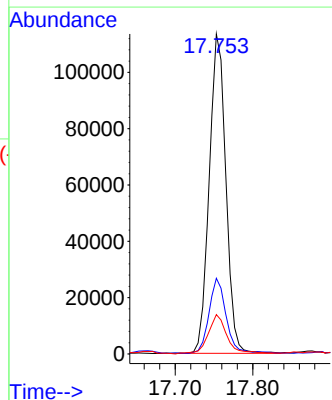
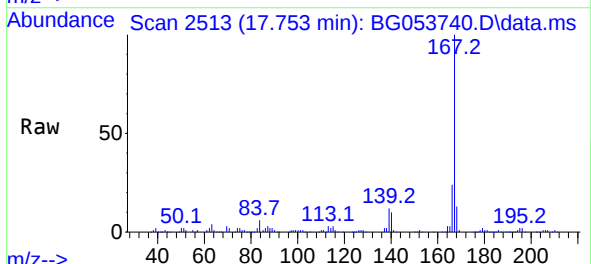
APPROVED

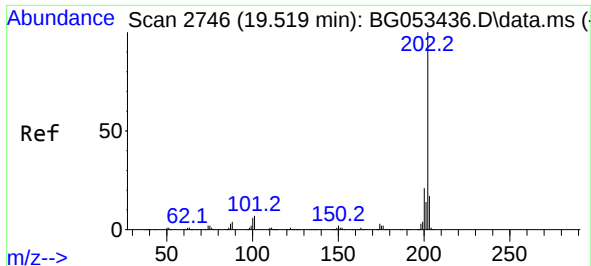
Reviewed By :Christian Giraldo 05/28/2022
 Supervised By :Jagrut Upadhyay 05/31/2022



#73
 Carbazole
 Concen: 22.035 ng
 RT: 17.753 min Scan# 2513
 Delta R.T. -0.026 min
 Lab File: BG053740.D
 Acq: 27 May 2022 19:32

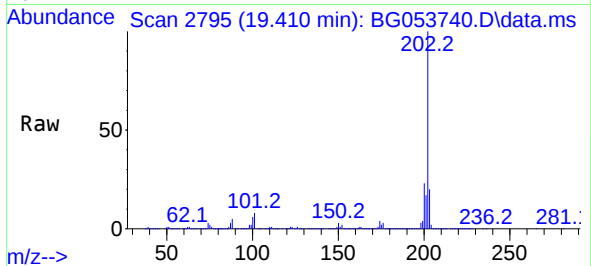
Tgt Ion:167 Resp: 168698
 Ion Ratio Lower Upper
 167 100
 166 23.7 18.2 27.2
 139 12.3 10.1 15.1





#75
Fluoranthene
Concen: 197.344 ng
RT: 19.410 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

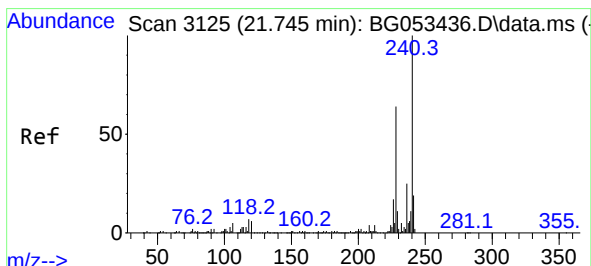
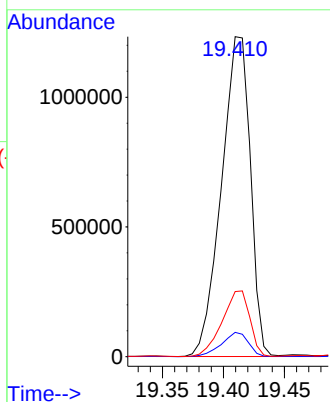
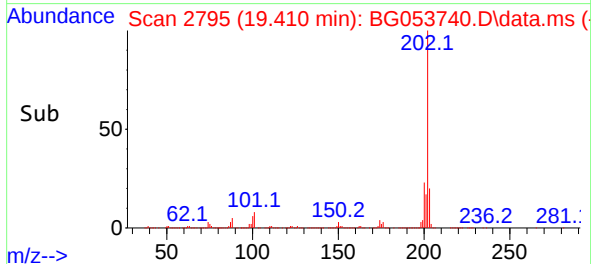
Instrument :
BNA_G
ClientSampleId :
PSC-124035



Tgt Ion:202 Resp: 2030778
Ion Ratio Lower Upper
202 100
101 7.6 0.0 26.9
203 20.4 0.0 37.2

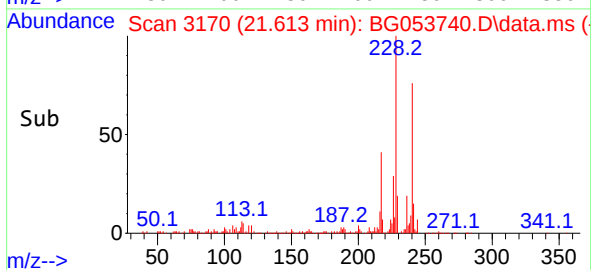
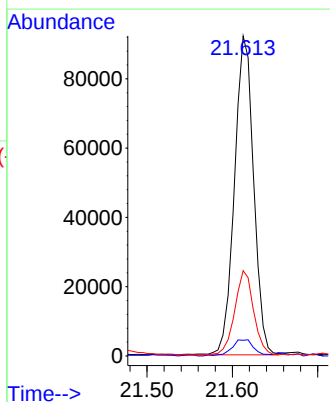
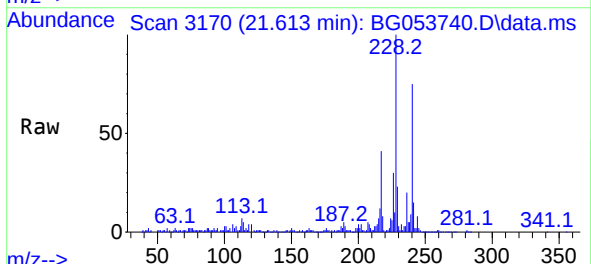
Manual Integrations
APPROVED

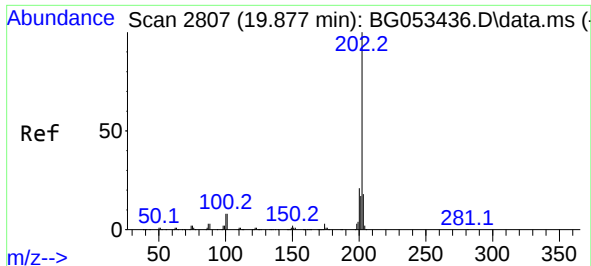
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.026 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

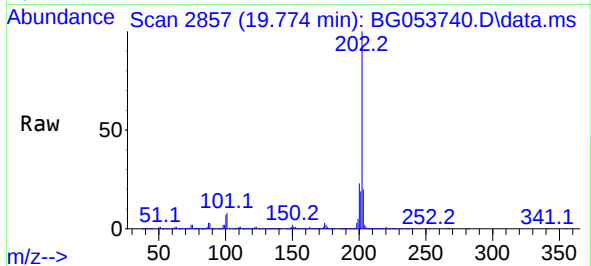
Tgt Ion:240 Resp: 143973
Ion Ratio Lower Upper
240 100
120 4.9 4.6 7.0
236 26.6 20.2 30.4





#78
Pyrene
Concen: 171.757 ng
RT: 19.774 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

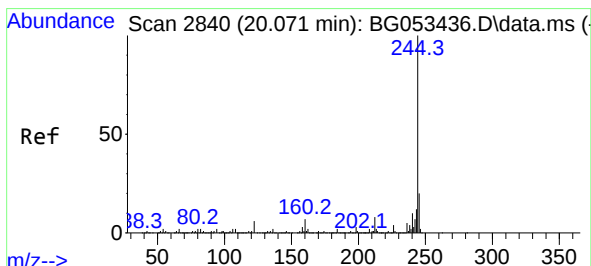
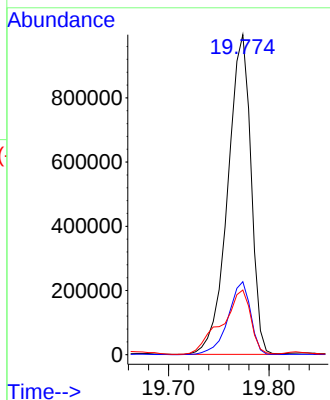
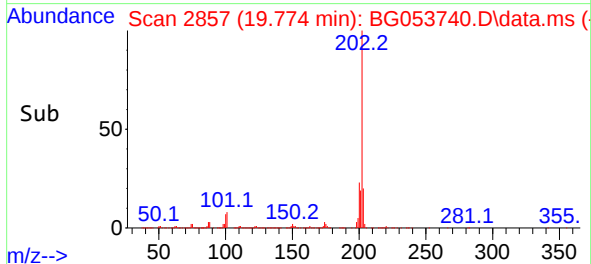
Instrument :
BNA_G
ClientSampleId :
PSC-124035



Tgt Ion:202 Resp: 160079
Ion Ratio Lower Upper
202 100
200 22.8 16.6 24.8
203 20.2 14.6 21.8

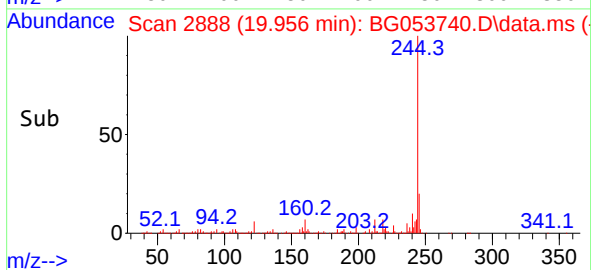
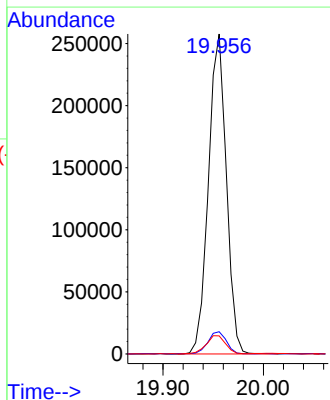
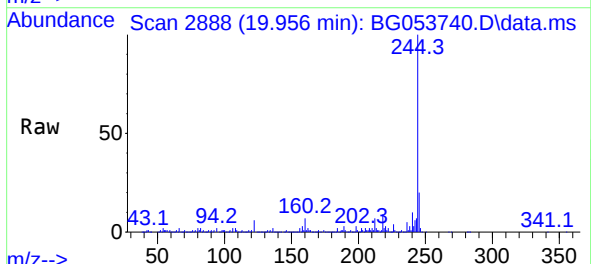
Manual Integrations
APPROVED

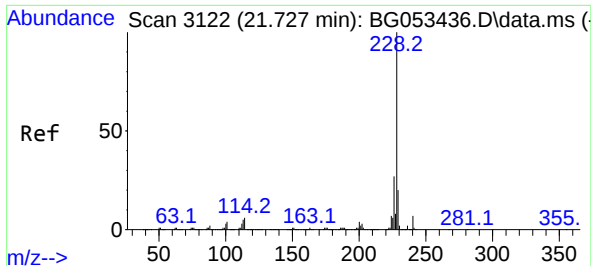
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#79
Terphenyl-d14
Concen: 41.345 ng
RT: 19.956 min Scan# 2888
Delta R.T. -0.020 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Tgt Ion:244 Resp: 319606
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 5.6 5.0 7.4





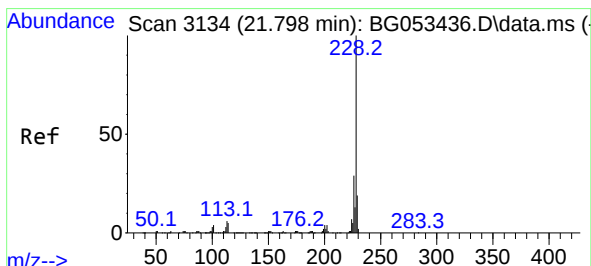
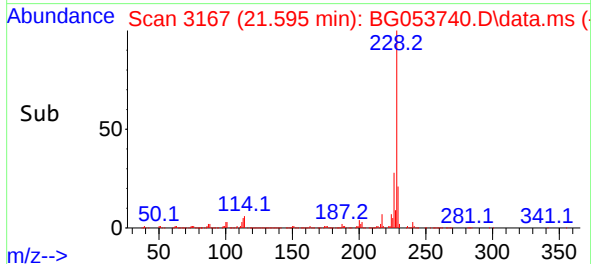
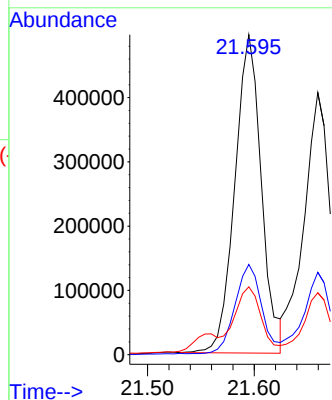
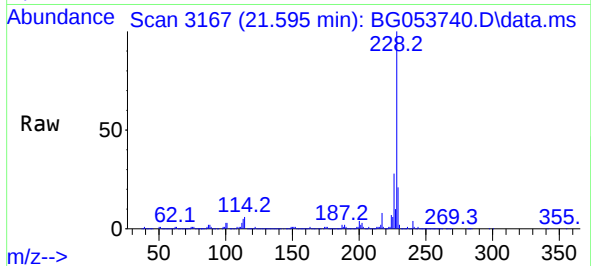
#81
Benzo(a)anthracene
Concen: 93.262 ng
RT: 21.595 min Scan# 3117
Delta R.T. -0.020 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Instrument :
BNA_G
ClientSampleId :
PSC-124035

Tgt Ion:228 Resp: 856410
Ion Ratio Lower Upper
228 100
226 28.2 21.6 32.4
229 21.2 16.2 24.2

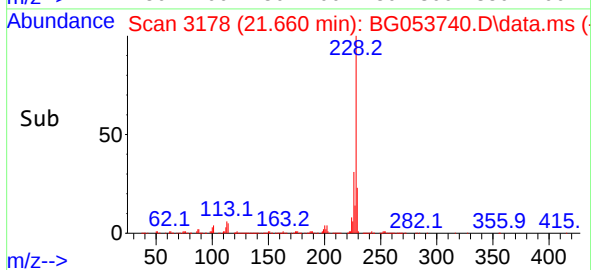
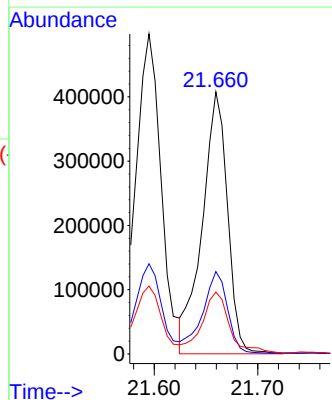
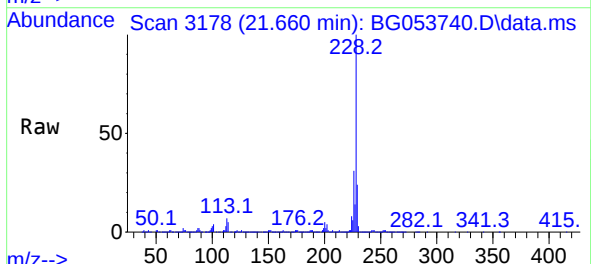
Manual Integrations
APPROVED

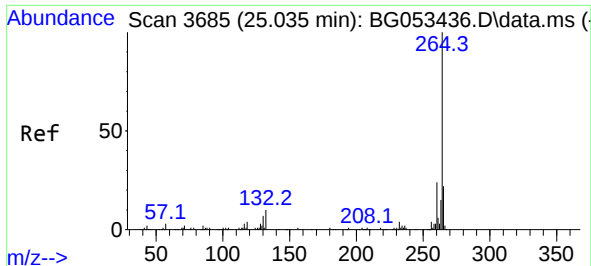
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#83
Chrysene
Concen: 80.849 ng m
RT: 21.660 min Scan# 3178
Delta R.T. -0.026 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

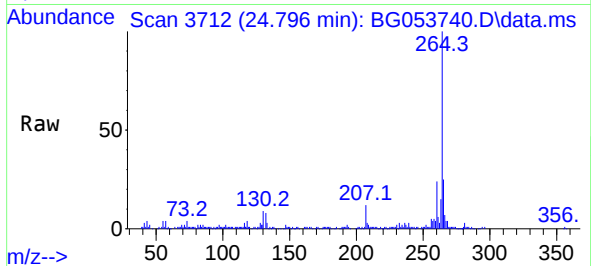
Tgt Ion:228 Resp: 693404
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.2
229 23.7 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.796 min Scan# 31
Delta R.T. -0.043 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

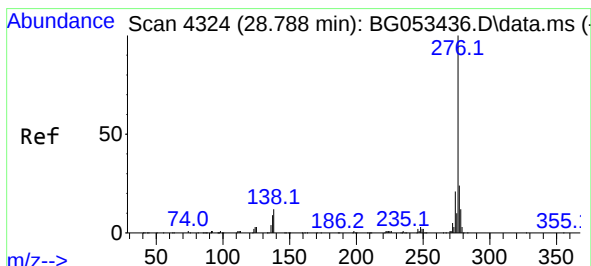
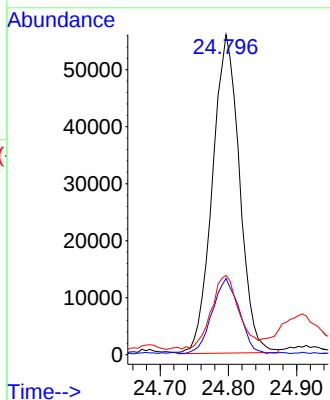
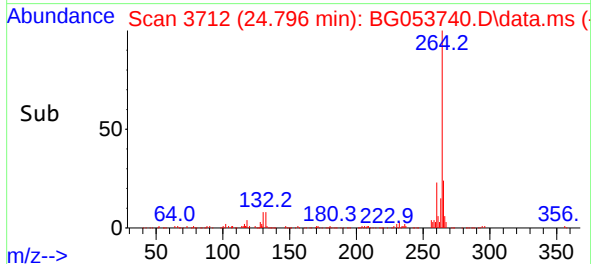
Instrument :
BNA_G
ClientSampleId :
PSC-124035



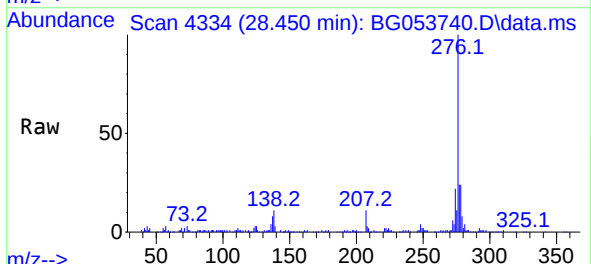
Tgt Ion:264 Resp: 15431
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 24.7 17.4 26.2

Manual Integrations
APPROVED

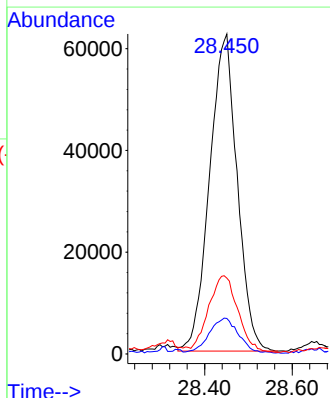
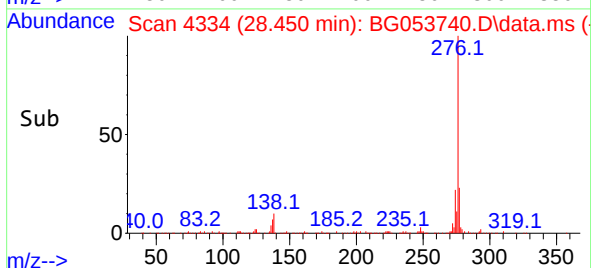
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

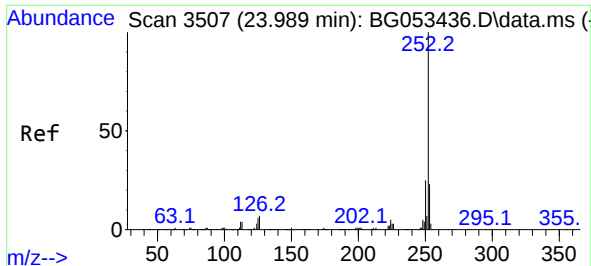


#87
Indeno(1,2,3-cd)pyrene
Concen: 25.387 ng
RT: 28.450 min Scan# 4334
Delta R.T. -0.061 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32



Tgt Ion:276 Resp: 272848
Ion Ratio Lower Upper
276 100
138 10.9 5.0 7.4#
277 25.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 76.420 ng
RT: 23.798 min Scan# 31
Delta R.T. -0.026 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Instrument :

BNA_G

ClientSampleId :

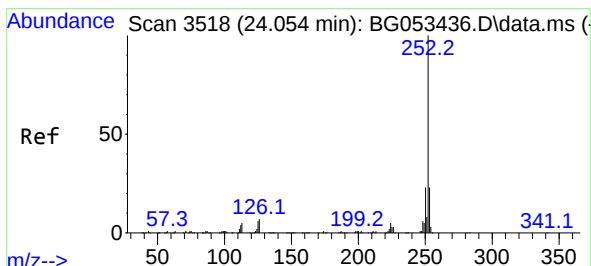
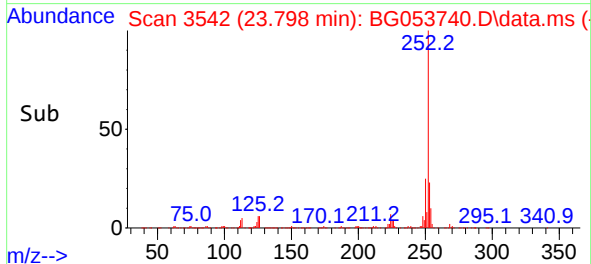
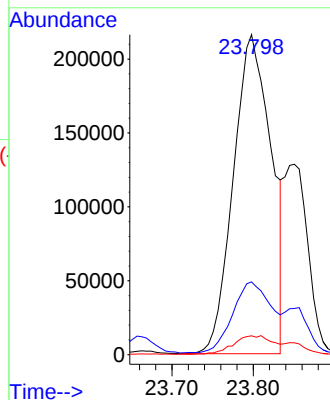
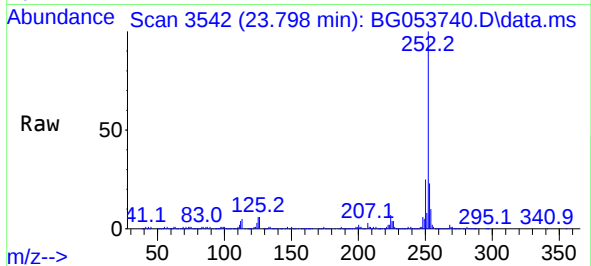
PSC-124035

Tgt Ion:252 Resp: 69803
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 5.9 4.6 6.8

Manual Integrations

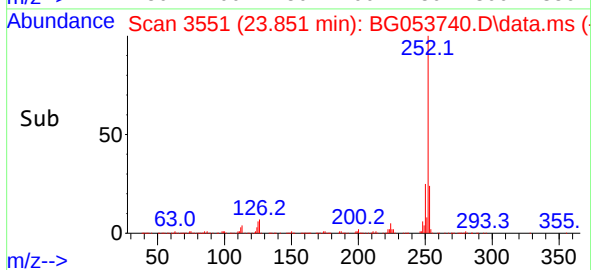
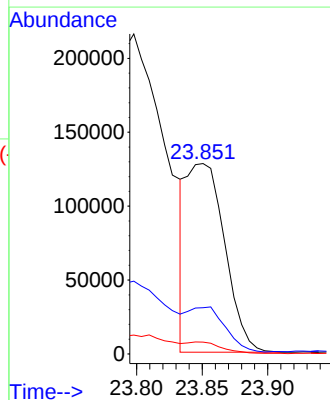
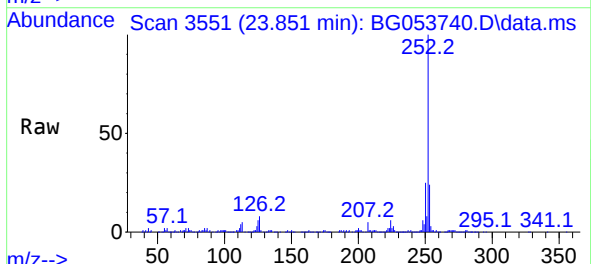
APPROVED

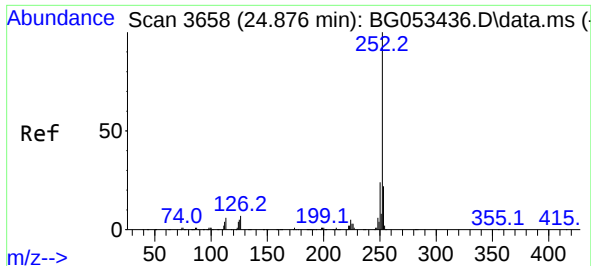
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#89
Benzo(k)fluoranthene
Concen: 28.781 ng m
RT: 23.851 min Scan# 3551
Delta R.T. -0.037 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Tgt Ion:252 Resp: 258330
Ion Ratio Lower Upper
252 100
253 24.3 18.4 27.6
125 6.2 4.8 7.2





#90
Benzo(a)pyrene
Concen: 66.169 ng
RT: 24.655 min Scan# 3688
Delta R.T. -0.032 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Instrument :

BNA_G

ClientSampleId :

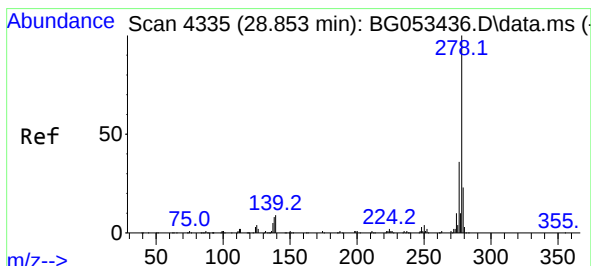
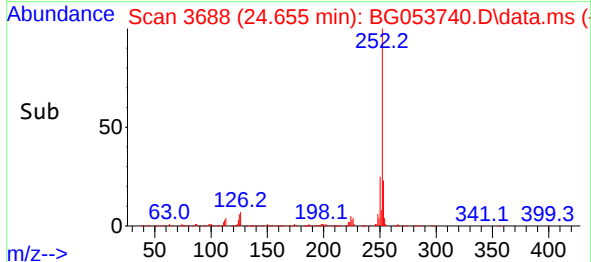
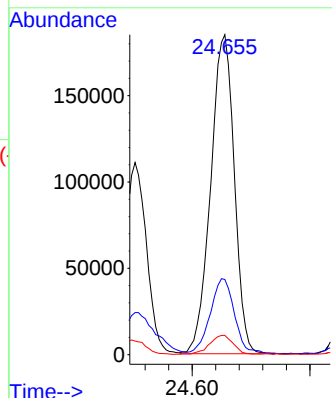
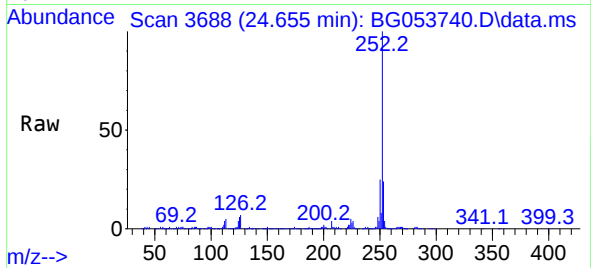
PSC-124035

Tgt Ion:252 Resp: 514430
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 6.0 4.3 6.5

Manual Integrations

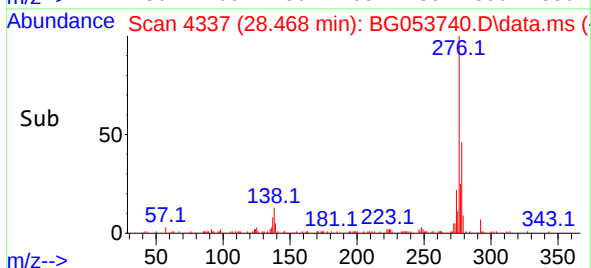
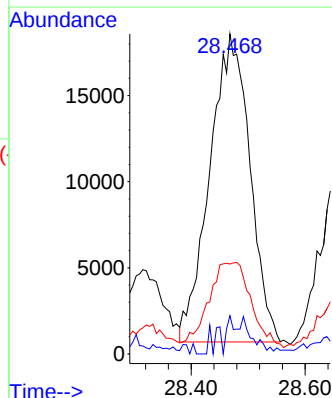
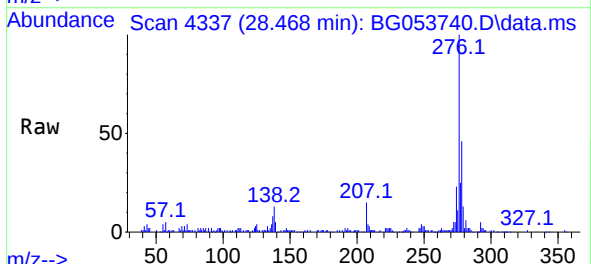
APPROVED

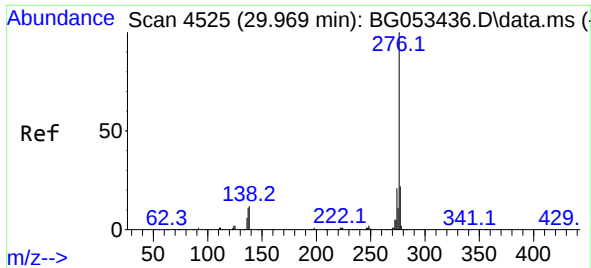
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#91
Dibenzo(a,h)anthracene
Concen: 9.869 ng m
RT: 28.468 min Scan# 4337
Delta R.T. -0.084 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

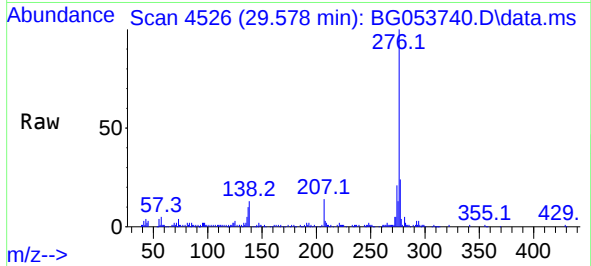
Tgt Ion:278 Resp: 87400
Ion Ratio Lower Upper
278 100
139 12.0 7.2 10.8#
279 28.1 18.6 27.8#





#92
Benzo(g,h,i)perylene
Concen: 24.808 ng
RT: 29.578 min Scan# 4526
Delta R.T. -0.073 min
Lab File: BG053740.D
Acq: 27 May 2022 19:32

Instrument :
BNA_G
ClientSampleId :
PSC-124035



Tgt Ion:276 Resp: 217779
Ion Ratio Lower Upper
276 100
277 23.6 17.3 25.9
138 13.0 9.6 14.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

