

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041922\
 Data File : BG053208.D
 Acq On : 19 Apr 2022 23:07
 Operator : CG/JU
 Sample : N2367-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-041122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/20/2022
 Supervised By : Jagrut Upadhyay 04/20/2022

Quant Time: Apr 20 05:43:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.123	152	40261	20.000	ng	0.00
21) Naphthalene-d8	10.931	136	165737	20.000	ng	0.00
39) Acenaphthene-d10	14.743	164	110915	20.000	ng	0.00
64) Phenanthrene-d10	17.487	188	208264	20.000	ng	0.00
76) Chrysene-d12	21.781	240	180638	20.000	ng	0.00
86) Perylene-d12	25.100	264	146435	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	220838	94.026	ng	0.00
7) Phenol-d6	7.283	99	334815	92.441	ng	0.00
23) Nitrobenzene-d5	9.280	82	246996	60.511	ng	0.00
42) 2,4,6-Tribromophenol	16.229	330	140125	79.408	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	509073	63.288	ng	0.00
79) Terphenyl-d14	20.095	244	612548	57.271	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.789	166	39338	4.598	ng	98
71) Phenanthrene	17.534	178	535677	47.089	ng	98
72) Anthracene	17.622	178	84594	7.506	ng	100
73) Carbazole	17.886	167	75924	6.931	ng	98
75) Fluoranthene	19.549	202	1142778	78.370	ng	97
78) Pyrene	19.907	202	958075	74.471	ng	99
81) Benzo(a)anthracene	21.763	228	587357	47.557	ng	98
83) Chrysene	21.828	228	559607m	48.821	ng	
87) Indeno(1,2,3-cd)pyrene	28.889	276	209648m	19.270	ng	
88) Benzo(b)fluoranthene	24.048	252	696675	75.404	ng	96
89) Benzo(k)fluoranthene	24.107	252	317347m	34.948	ng	
90) Benzo(a)pyrene	24.941	252	528202	67.108	ng	96
91) Dibenzo(a,h)anthracene	28.924	278	54176m	6.050	ng	
92) Benzo(g,h,i)perylene	30.075	276	178143m	20.185	ng	

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

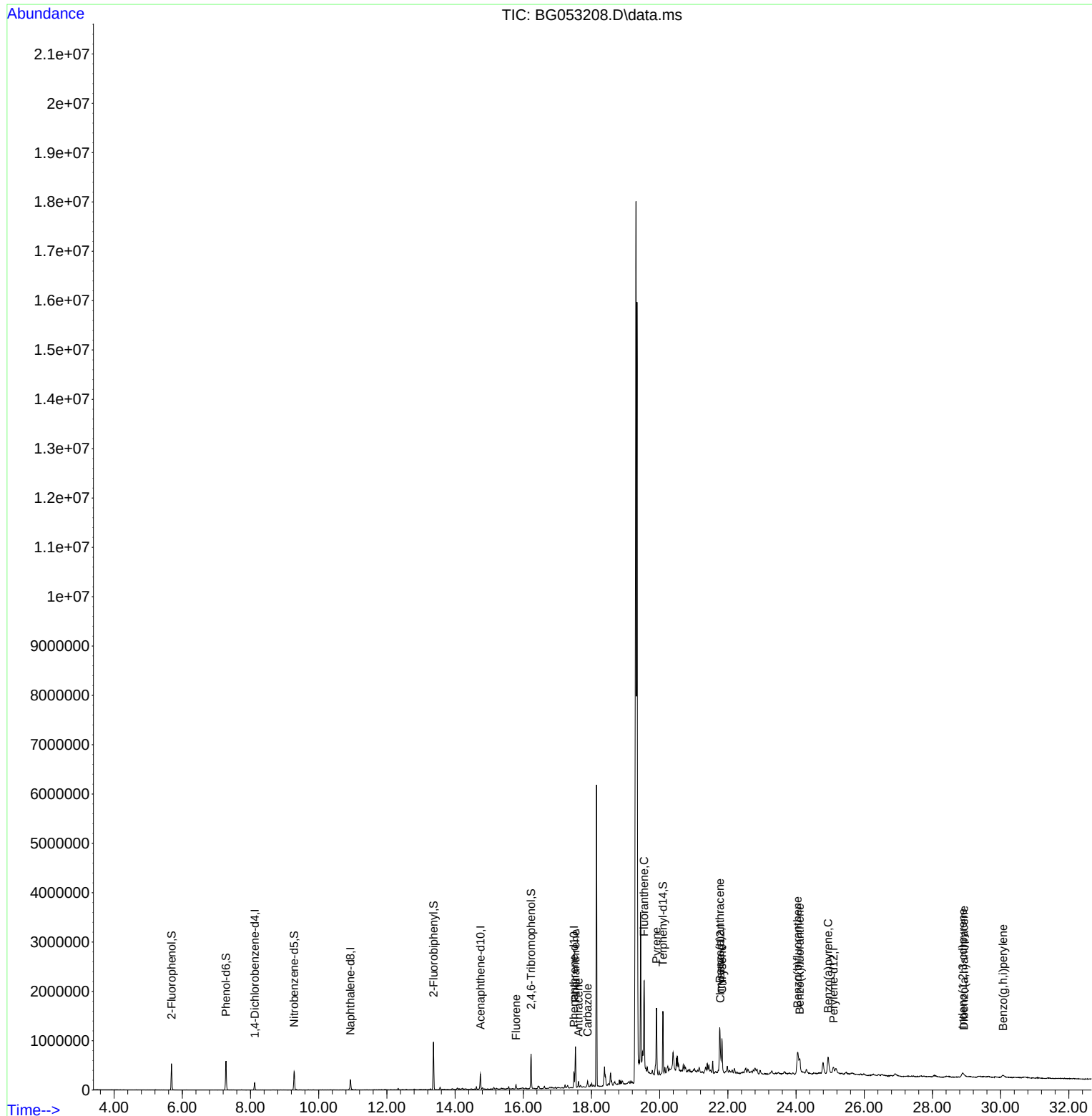
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041922\
Data File : BG053208.D
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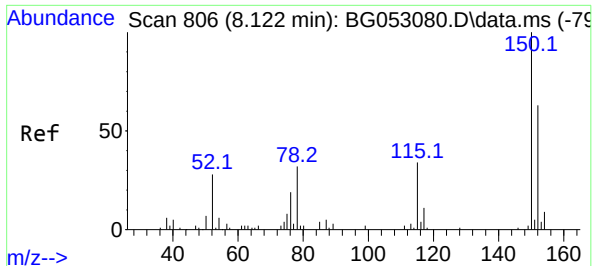
Instrument :
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Quant Time: Apr 20 05:43:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
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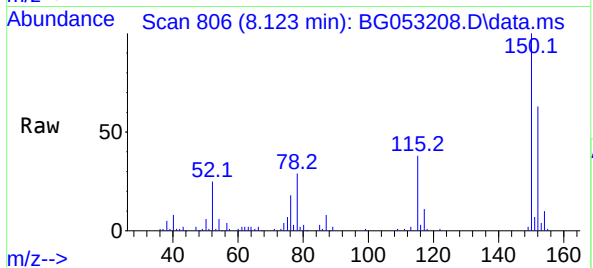
Reviewed By : Christian Giraldo 04/20/2022
Supervised By : Jagrut Upadhyay 04/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.123 min Scan# 806
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

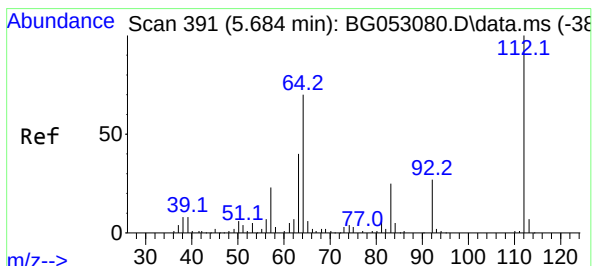
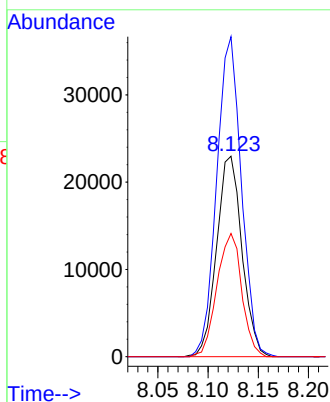
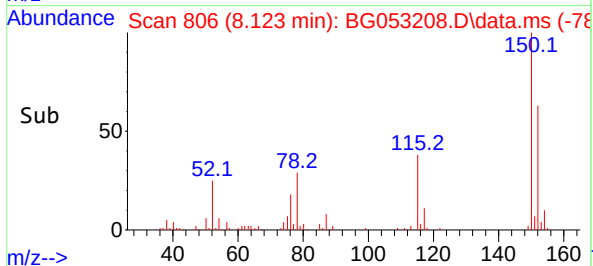
Instrument :
BNA_G
ClientSampleId :
AU-05-041122



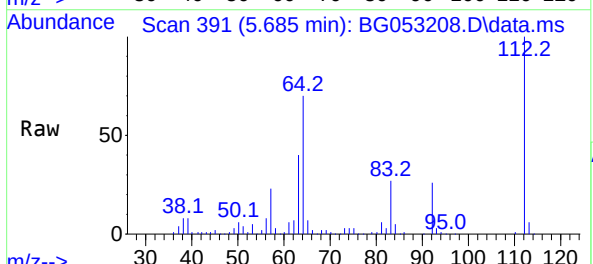
Tgt Ion:152 Resp: 4026
Ion Ratio Lower Upper
152 100
150 159.6 114.6 172.0
115 61.4 45.9 68.9

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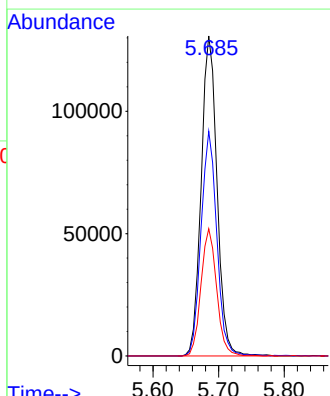
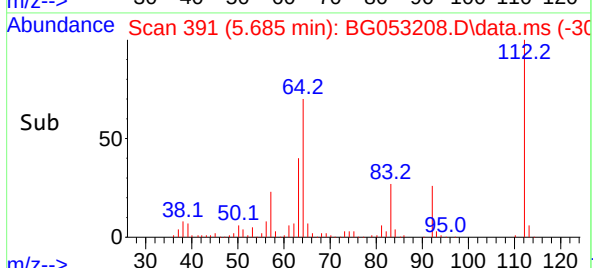
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022

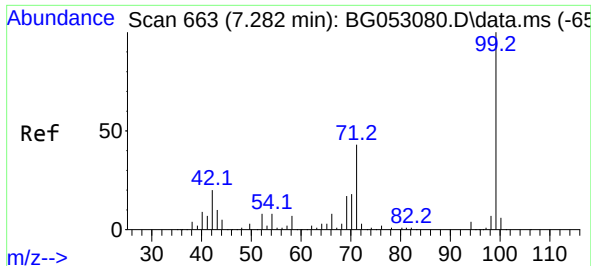


#5
2-Fluorophenol
Concen: 94.026 ng
RT: 5.685 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07



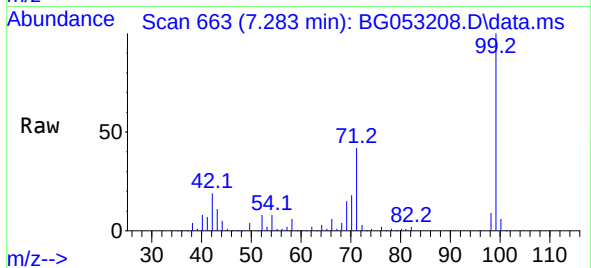
Tgt Ion:112 Resp: 220838
Ion Ratio Lower Upper
112 100
64 70.2 48.0 72.0
63 39.8 26.5 39.7#





#7
Phenol-d6
Concen: 92.441 ng
RT: 7.283 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

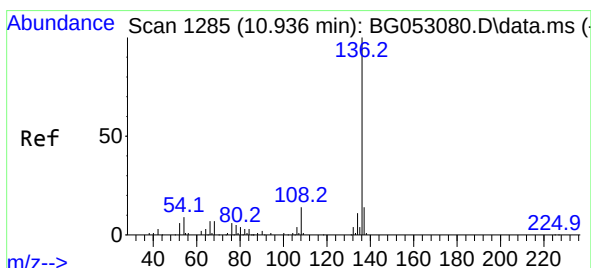
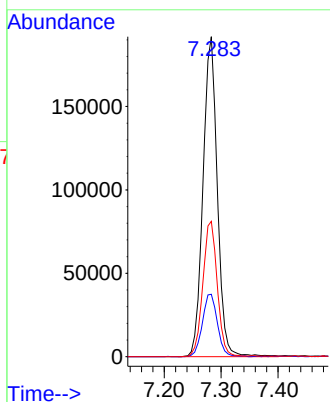
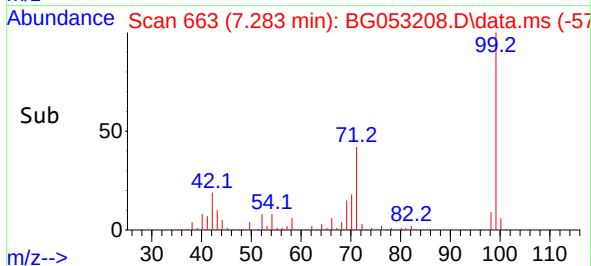
Instrument :
BNA_G
ClientSampleId :
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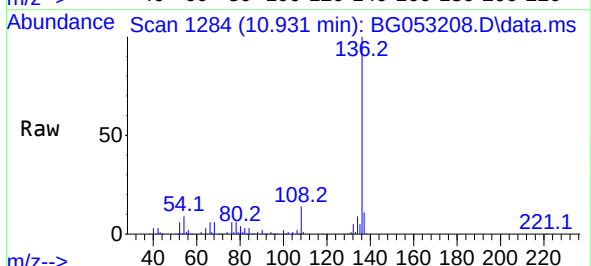
Tgt Ion: 99 Resp: 334815
Ion Ratio Lower Upper
99 100
42 19.5 14.7 22.1
71 42.3 29.2 43.8

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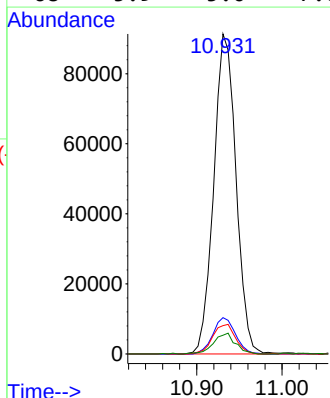
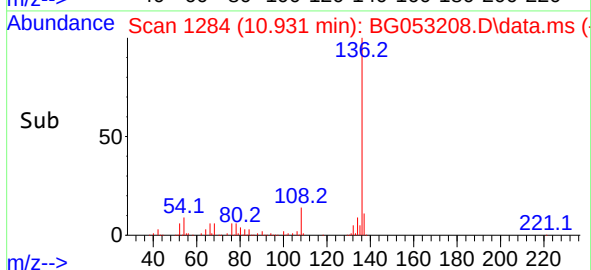
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022

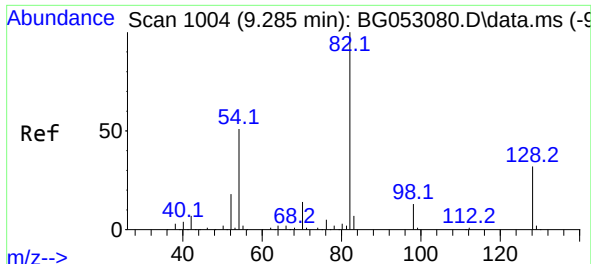


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.931 min Scan# 1284
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07



Tgt Ion:136 Resp: 165737
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.2
54 8.9 6.4 9.6
68 5.9 5.0 7.6





#23

Nitrobenzene-d5

Concen: 60.511 ng

RT: 9.280 min Scan# 1004

Delta R.T. -0.005 min

Lab File: BG053208.D

Acq: 19 Apr 2022 23:07

Instrument :

BNA_G

ClientSampleId :

AU-05-041122

Tgt Ion: 82 Resp: 246990

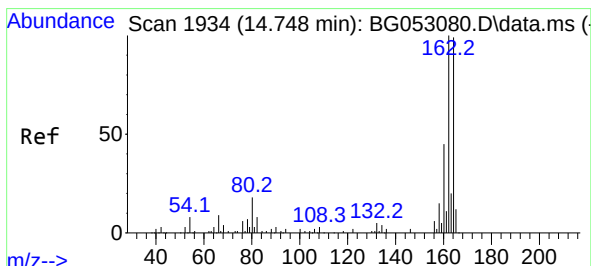
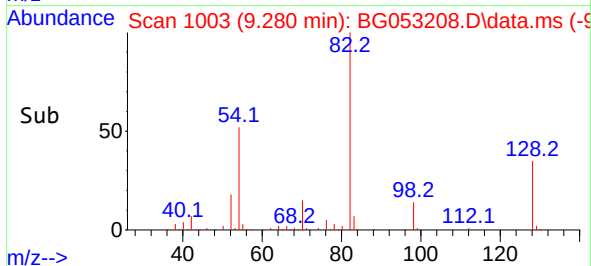
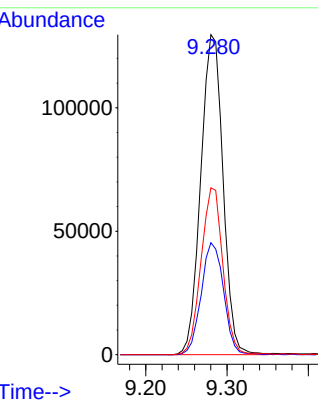
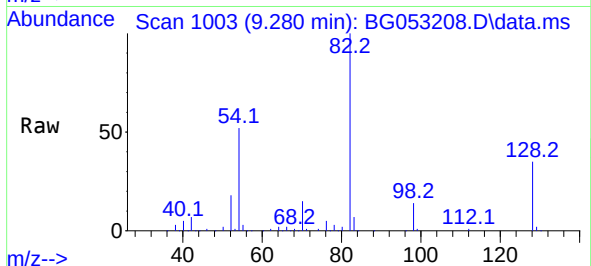
Ion	Ratio	Lower	Upper
82	100		
128	35.0	31.3	46.9
54	52.1	37.8	56.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.743 min Scan# 1933

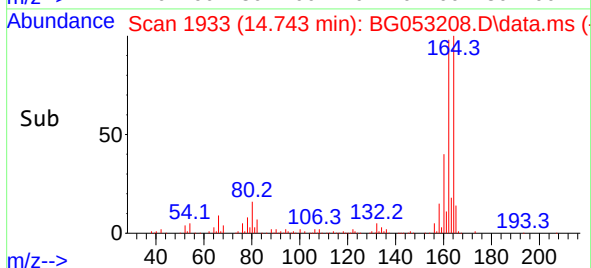
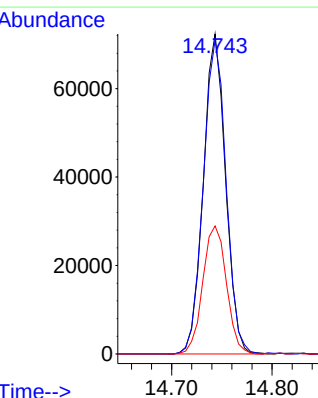
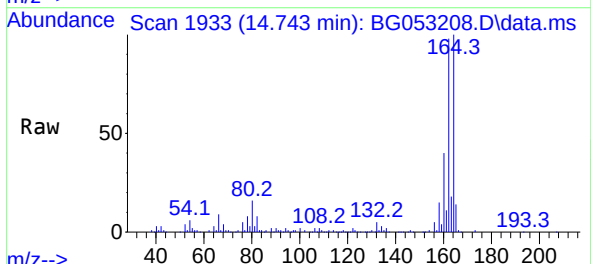
Delta R.T. -0.005 min

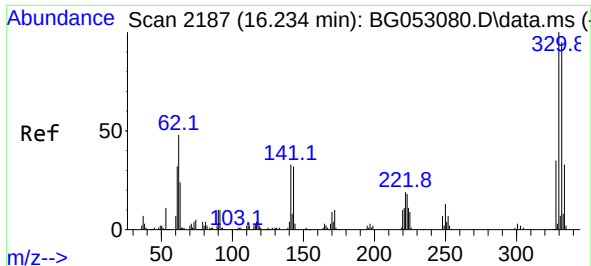
Lab File: BG053208.D

Acq: 19 Apr 2022 23:07

Tgt Ion:164 Resp: 110915

Ion	Ratio	Lower	Upper
164	100		
162	98.0	80.0	120.0
160	40.0	38.8	58.2





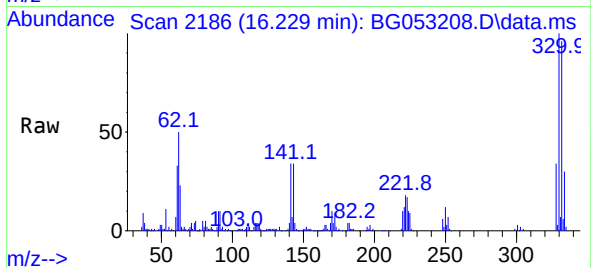
#42
2,4,6-Tribromophenol
Concen: 79.408 ng
RT: 16.229 min Scan# 2187
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Instrument :

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AU-05-041122

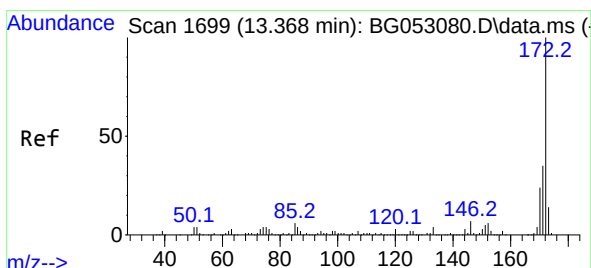
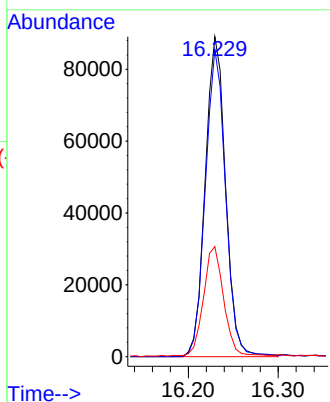
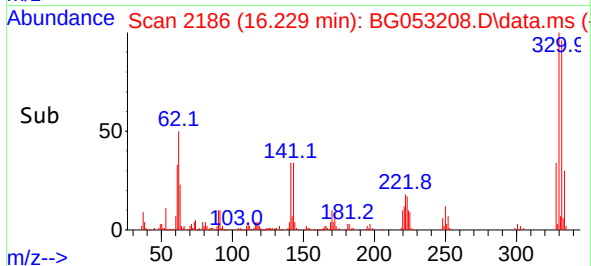


Tgt Ion:330 Resp: 140125
Ion Ratio Lower Upper
330 100
332 95.3 75.8 113.6
141 35.0 24.6 36.8

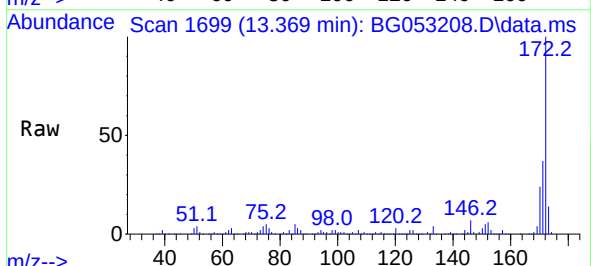
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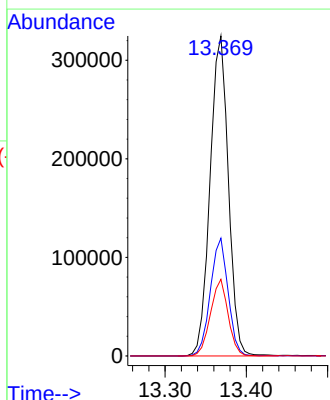
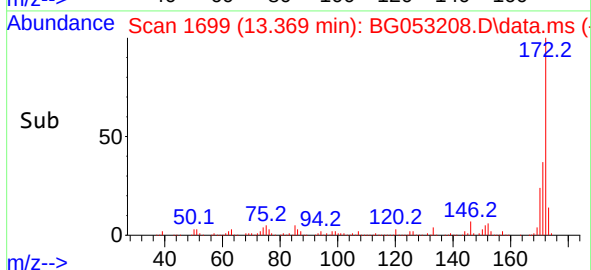
Reviewed By :Christian Giraldo 04/20/2022
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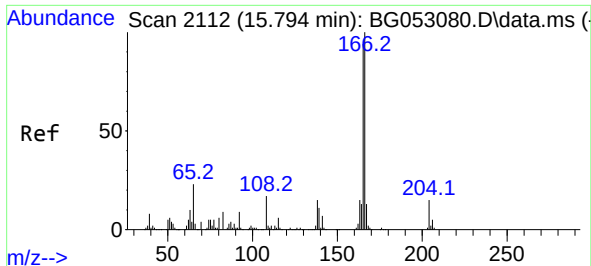


#45
2-Fluorobiphenyl
Concen: 63.288 ng
RT: 13.369 min Scan# 1699
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07



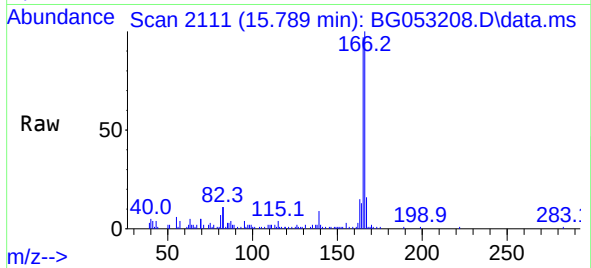
Tgt Ion:172 Resp: 509073
Ion Ratio Lower Upper
172 100
171 36.8 28.3 42.5
170 24.0 18.0 27.0





#58
Fluorene
Concen: 4.598 ng
RT: 15.789 min Scan# 2111
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

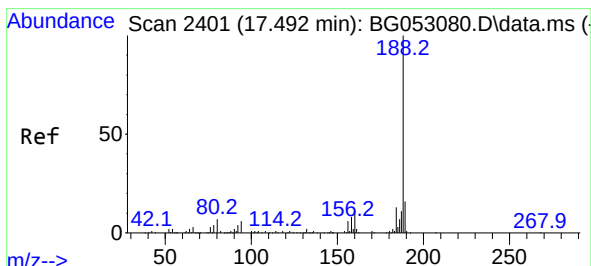
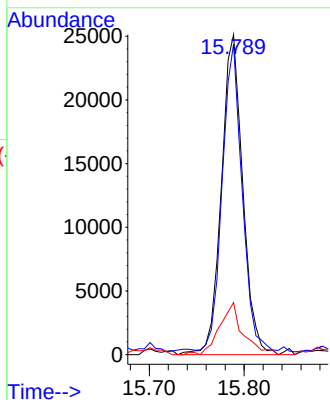
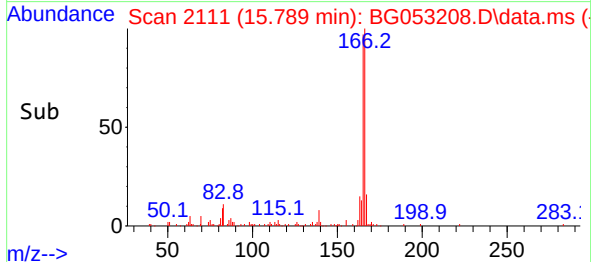
Instrument :
BNA_G
ClientSampleId :
AU-05-041122



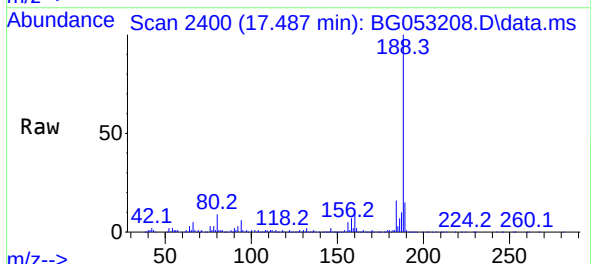
Tgt Ion:166 Resp: 39338
Ion Ratio Lower Upper
166 100
165 97.1 78.6 117.8
167 16.3 10.9 16.3

Manual Integrations
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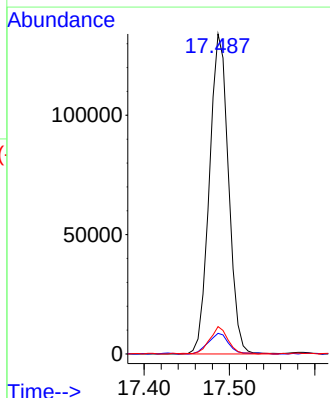
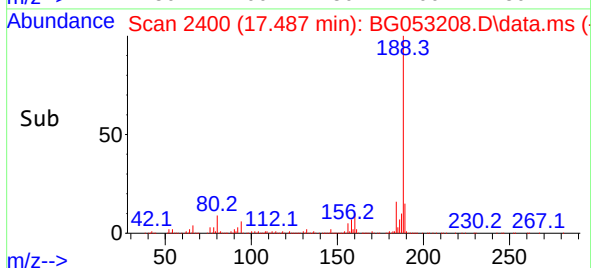
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022

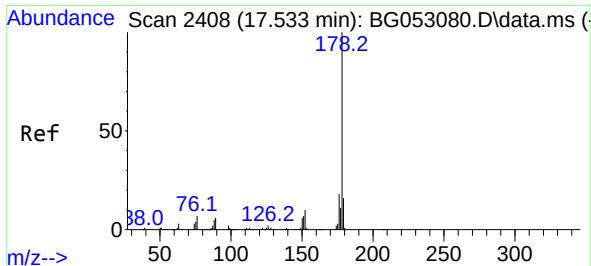


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.487 min Scan# 2400
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07



Tgt Ion:188 Resp: 208264
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 8.6 7.2 10.8





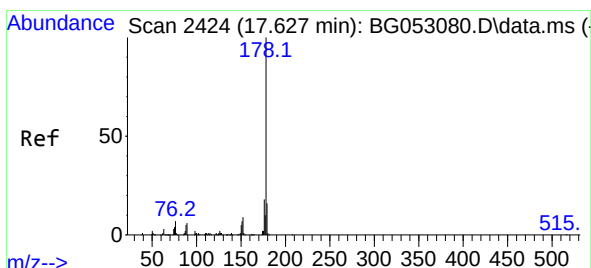
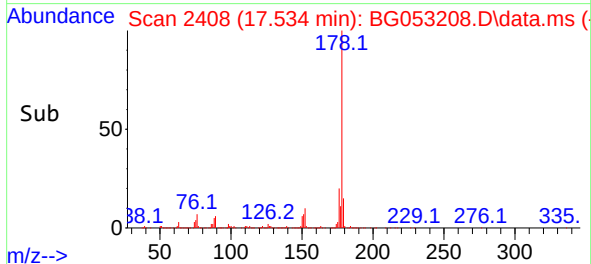
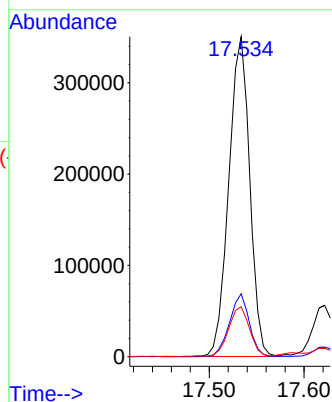
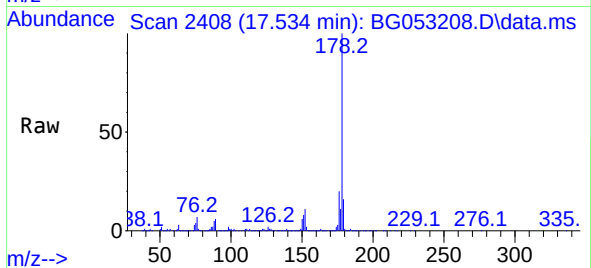
#71
Phenanthrene
Concen: 47.089 ng
RT: 17.534 min Scan# 2408
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Instrument :
BNA_G
ClientSampleId :
AU-05-041122

Tgt Ion:178 Resp: 53567
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.6 13.4 20.2

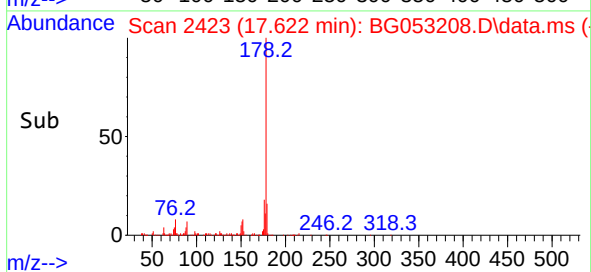
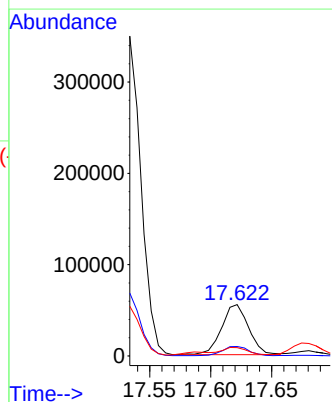
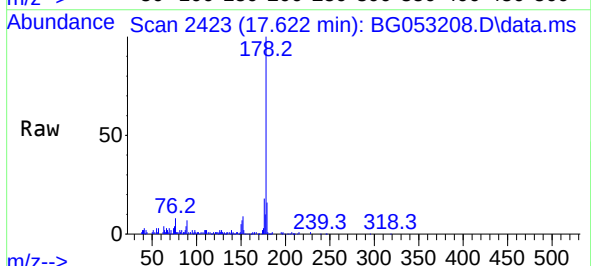
Manual Integrations
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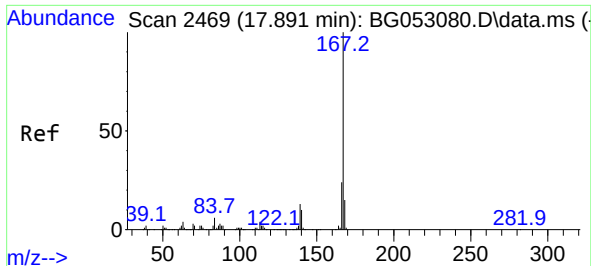
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#72
Anthracene
Concen: 7.506 ng
RT: 17.622 min Scan# 2423
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion:178 Resp: 84594
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 16.2 13.2 19.8





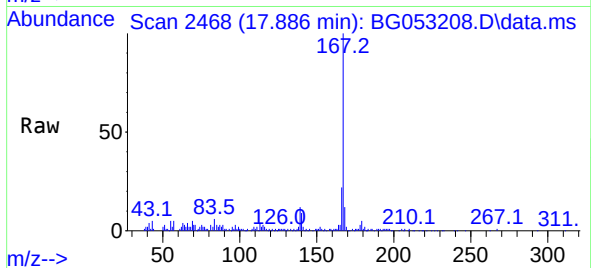
#73
 Carbazole
 Concen: 6.931 ng
 RT: 17.886 min Scan# 2468
 Delta R.T. -0.005 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07

Instrument :

BNA_G

ClientSampleId :

AU-05-041122

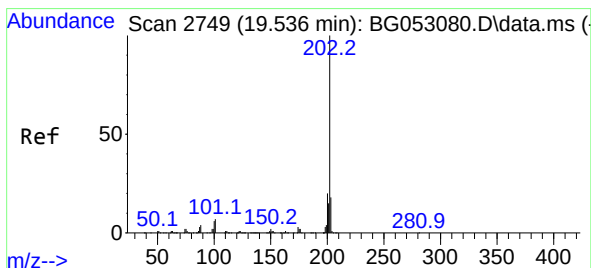
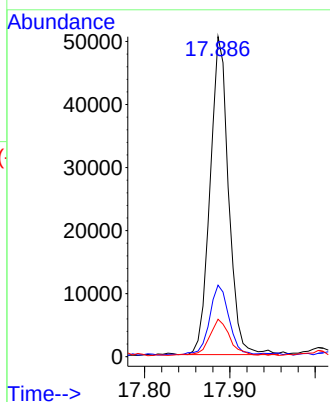
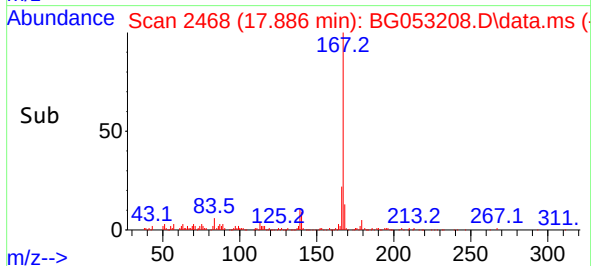


Tgt Ion:167 Resp: 75924
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.5 27.7
 139 11.7 10.0 15.0

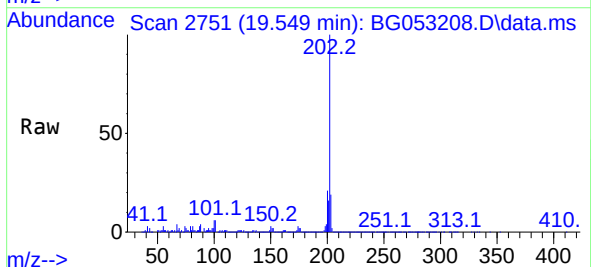
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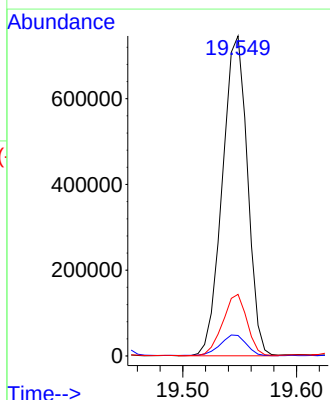
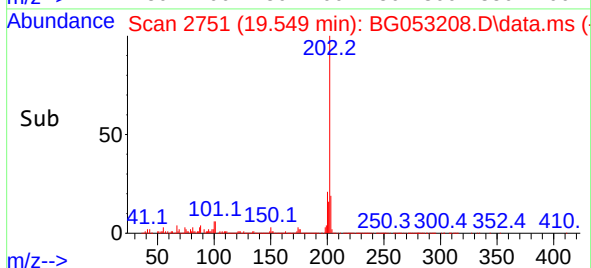
Reviewed By :Christian Giraldo 04/20/2022
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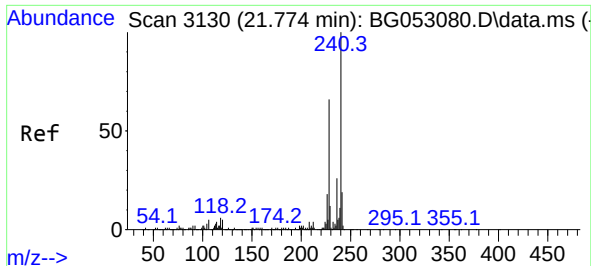


#75
 Fluoranthene
 Concen: 78.370 ng
 RT: 19.549 min Scan# 2751
 Delta R.T. 0.013 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07



Tgt Ion:202 Resp: 1142778
 Ion Ratio Lower Upper
 202 100
 101 6.4 0.0 27.3
 203 19.2 0.0 37.7





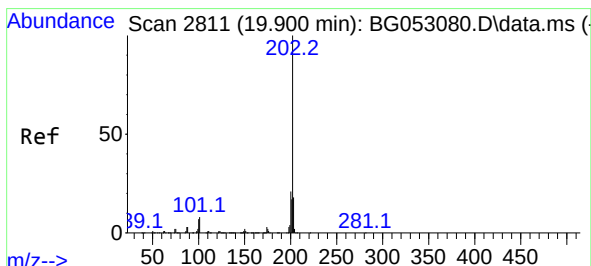
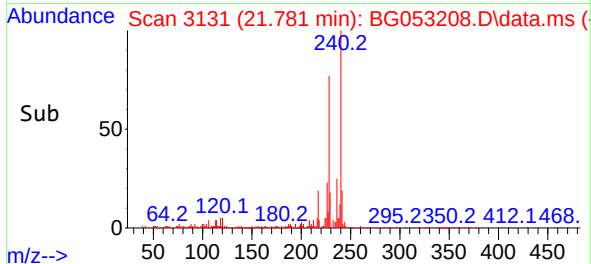
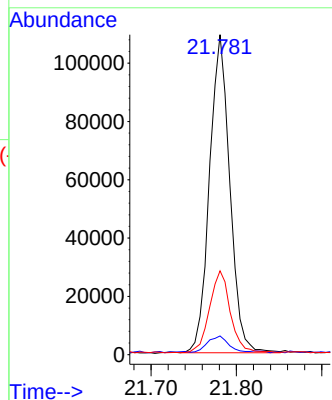
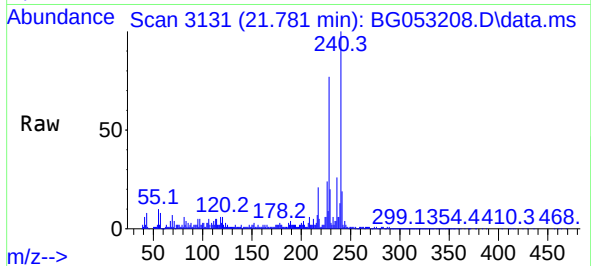
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.781 min Scan# 3131
Delta R.T. 0.007 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Instrument :
BNA_G
ClientSampleId :
AU-05-041122

Tgt Ion:240 Resp: 180638
Ion Ratio Lower Upper
240 100
120 5.9 5.4 8.0
236 26.2 19.8 29.6

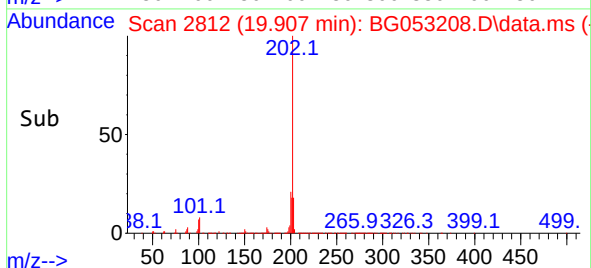
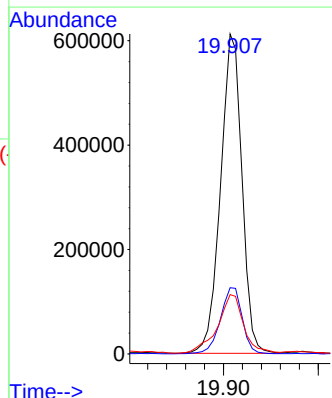
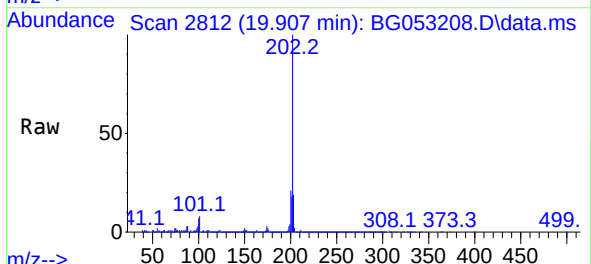
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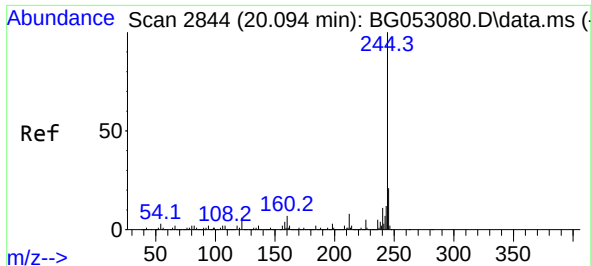
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#78
Pyrene
Concen: 74.471 ng
RT: 19.907 min Scan# 2812
Delta R.T. 0.007 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion:202 Resp: 958075
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 18.6 15.0 22.6





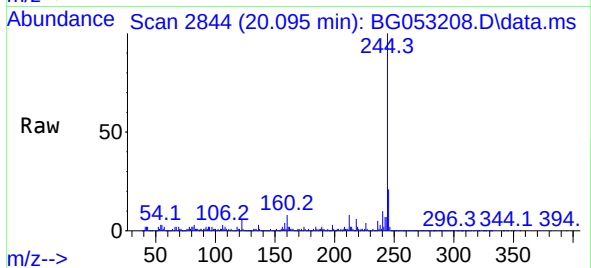
#79
 Terphenyl-d14
 Concen: 57.271 ng
 RT: 20.095 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07

Instrument :

BNA_G

ClientSampleId :

AU-05-041122

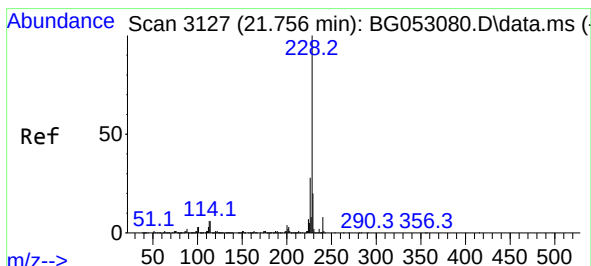
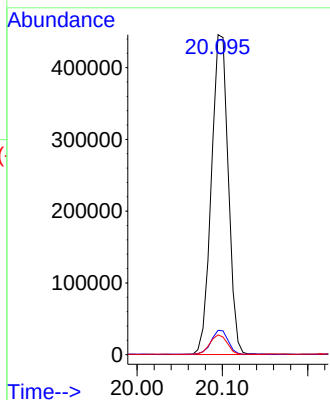
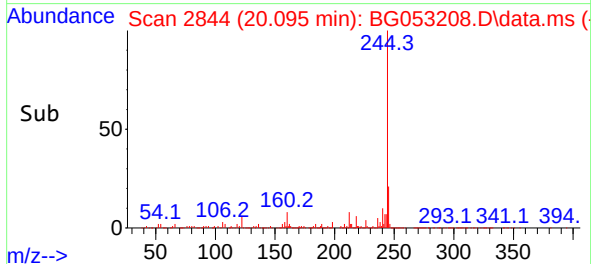


Tgt Ion:244 Resp: 61254
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.2
 122 6.2 5.8 8.6

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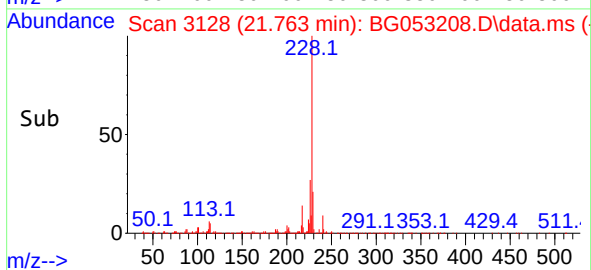
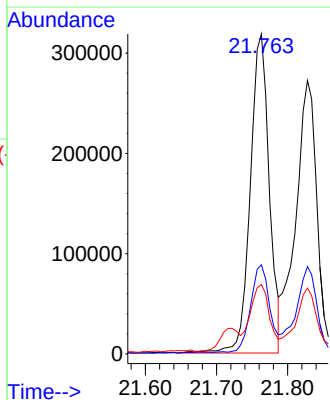
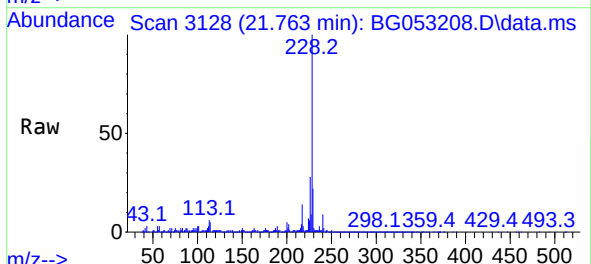
APPROVED

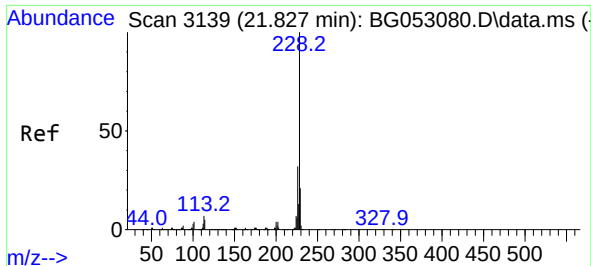
Reviewed By :Christian Giraldo 04/20/2022
 Supervised By :Jagrut Upadhyay 04/20/2022



#81
 Benzo(a)anthracene
 Concen: 47.557 ng
 RT: 21.763 min Scan# 3128
 Delta R.T. 0.007 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07

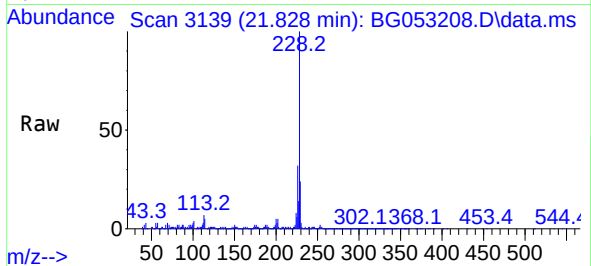
Tgt Ion:228 Resp: 587357
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.4 32.0
 229 21.7 16.7 25.1





#83
Chrysene
Concen: 48.821 ng m
RT: 21.828 min Scan# 3139
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

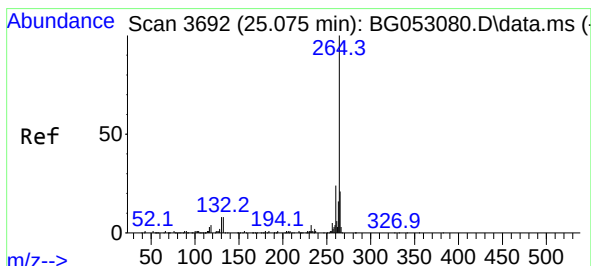
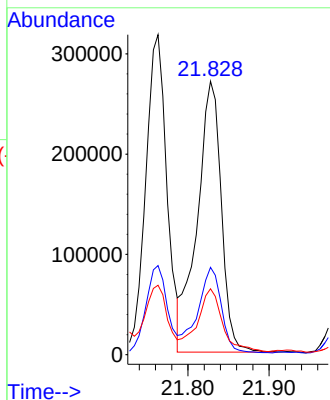
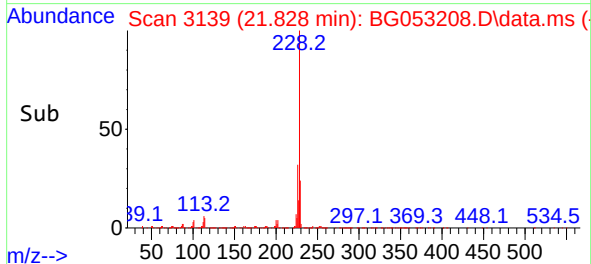
Instrument :
BNA_G
ClientSampleId :
AU-05-041122



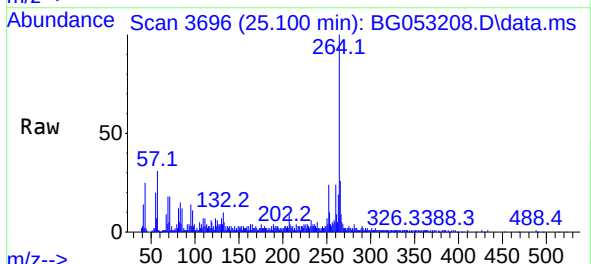
Tgt Ion:228 Resp: 55960
Ion Ratio Lower Upper
228 100
226 32.0 24.2 36.4
229 24.1 16.3 24.5

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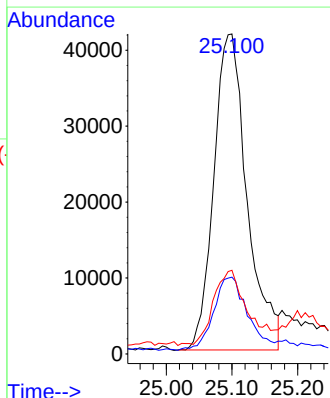
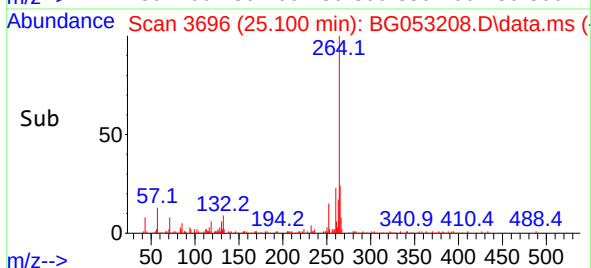
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022

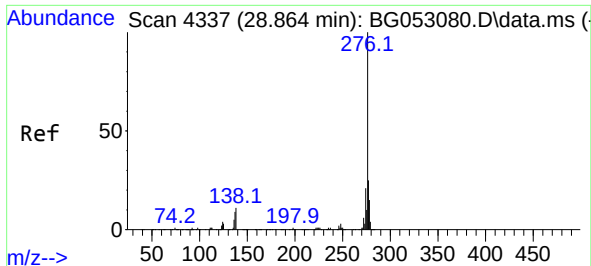


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.100 min Scan# 3696
Delta R.T. 0.024 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07



Tgt Ion:264 Resp: 146435
Ion Ratio Lower Upper
264 100
260 24.0 18.2 27.2
265 26.2 15.1 22.7#





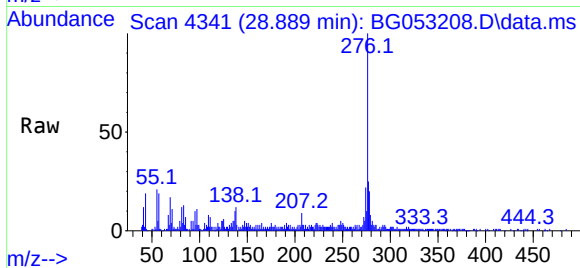
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.270 ng m
RT: 28.889 min Scan# 4337
Delta R.T. 0.024 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Instrument :

BNA_G

ClientSampleId :

AU-05-041122

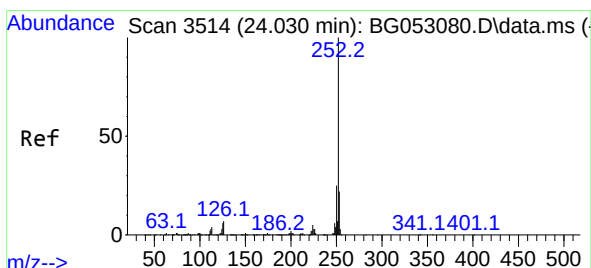
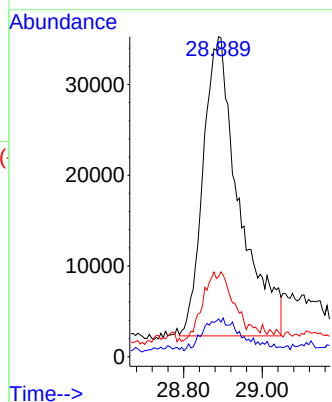
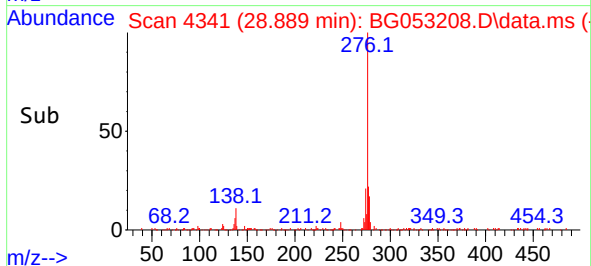


Tgt Ion:276 Resp: 20964
Ion Ratio Lower Upper
276 100
138 6.0 8.7 13.1
277 0.0 20.2 30.4

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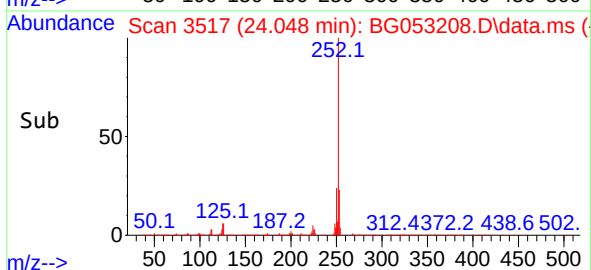
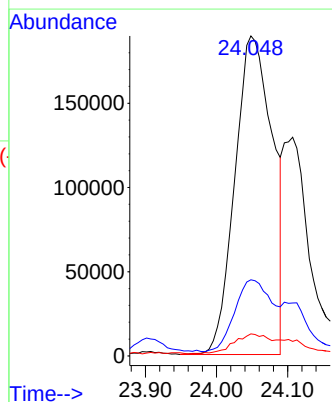
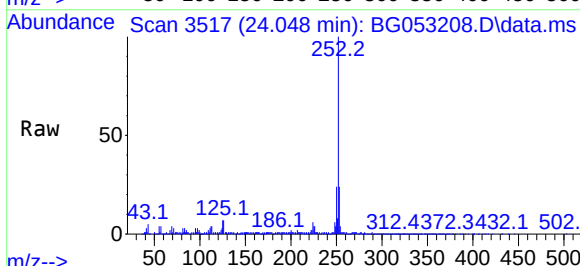
APPROVED

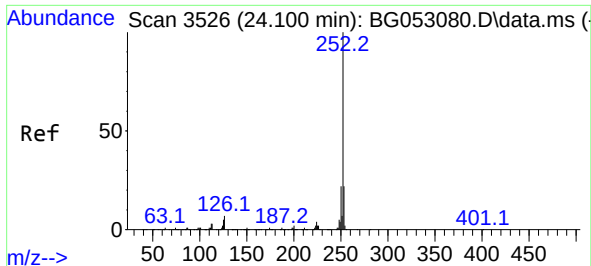
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#88
Benzo(b)fluoranthene
Concen: 75.404 ng
RT: 24.048 min Scan# 3517
Delta R.T. 0.019 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

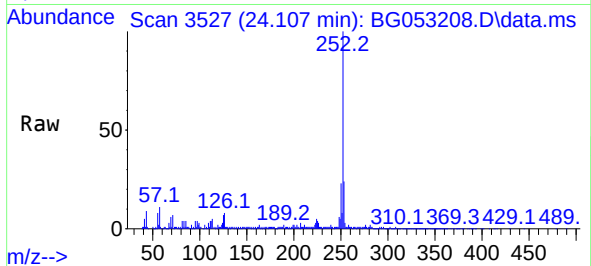
Tgt Ion:252 Resp: 696675
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 6.9 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 34.948 ng m
RT: 24.107 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

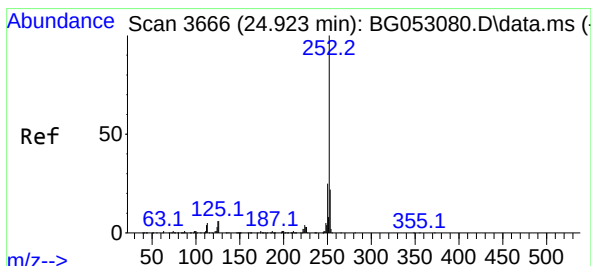
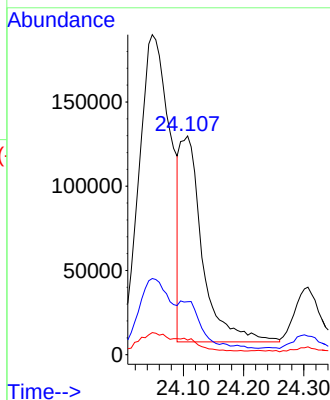
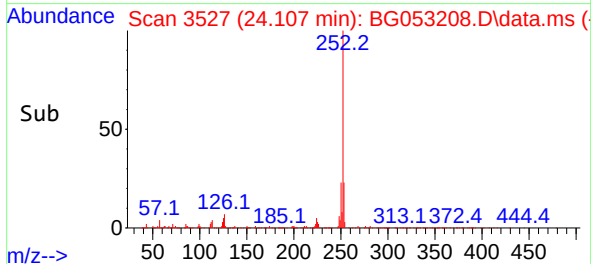
Instrument :
BNA_G
ClientSampleId :
AU-05-041122



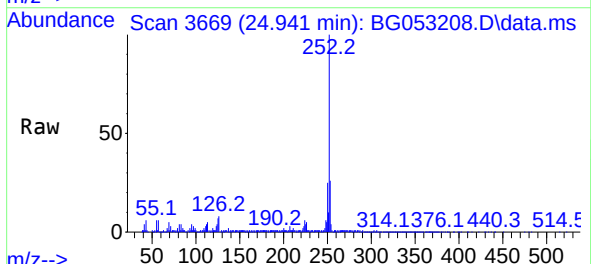
Tgt Ion:252 Resp: 31734
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 6.7 5.0 7.4

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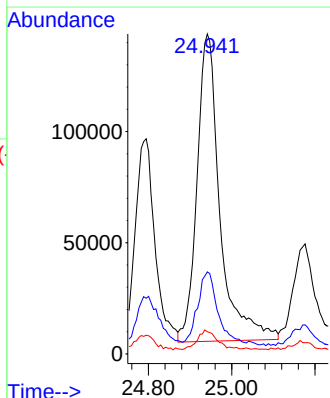
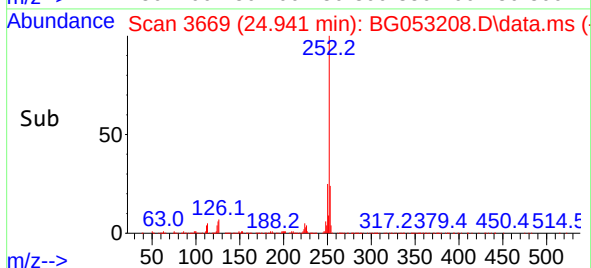
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022

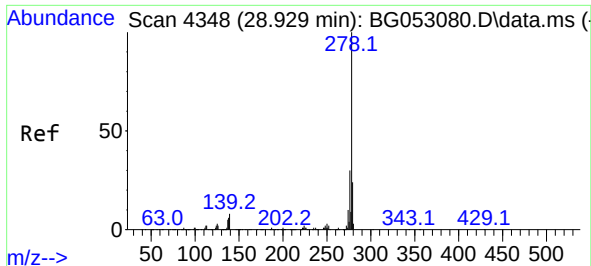


#90
Benzo(a)pyrene
Concen: 67.108 ng
RT: 24.941 min Scan# 3669
Delta R.T. 0.019 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07



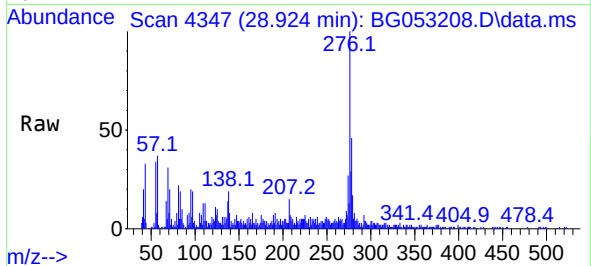
Tgt Ion:252 Resp: 528202
Ion Ratio Lower Upper
252 100
253 25.6 18.4 27.6
125 7.0 5.6 8.4





#91
 Dibenzo(a,h)anthracene
 Concen: 6.050 ng m
 RT: 28.924 min Scan# 41
 Delta R.T. -0.005 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07

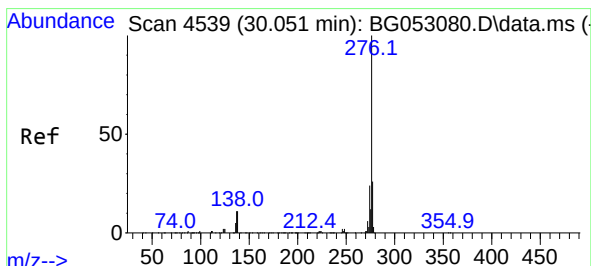
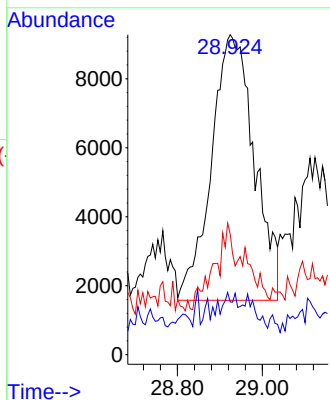
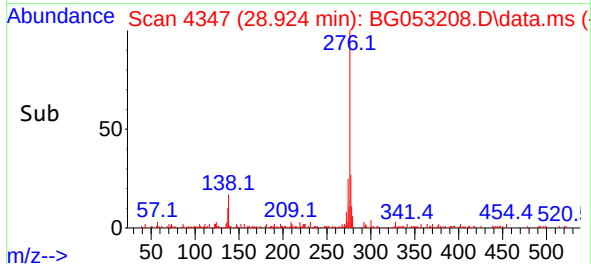
Instrument :
 BNA_G
 ClientSampleId :
 AU-05-041122



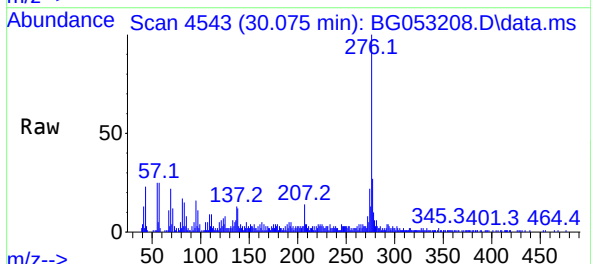
Tgt Ion: 278 Resp: 54170
 Ion Ratio Lower Upper
 278 100
 139 16.5 7.8 11.6
 279 37.7 18.5 27.7

Manual Integrations
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Reviewed By : Christian Giraldo 04/20/2022
 Supervised By : Jagrut Upadhyay 04/20/2022



#92
 Benzo(g,h,i)perylene
 Concen: 20.185 ng m
 RT: 30.075 min Scan# 4543
 Delta R.T. 0.024 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07



Tgt Ion: 276 Resp: 178143
 Ion Ratio Lower Upper
 276 100
 277 27.5 18.2 27.2
 138 11.7 9.1 13.7

