

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055479.D
 Acq On : 5 Nov 2022 21:04
 Operator : CG/JU
 Sample : N5425-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 371

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 07 00:59:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:51:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	32734	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	138870	20.000	ng	# 0.00
39) Acenaphthene-d10	14.845	164	92847	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	195875	20.000	ng	0.00
76) Chrysene-d12	21.855	240	187885	20.000	ng	0.00
86) Perylene-d12	25.227	264	212820	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	189693	104.069	ng	0.00
7) Phenol-d6	7.383	99	249795	98.823	ng	0.00
23) Nitrobenzene-d5	9.405	82	150664	57.821	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	122407	96.653	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	383182	61.190	ng	0.00
79) Terphenyl-d14	20.157	244	581169	60.149	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.108	128	72873	9.320	ng	100
37) 2-Methylnaphthalene	12.695	142	27289	4.752	ng	99
38) 1-Methylnaphthalene	12.912	142	18246m	3.257	ng	
52) Acenaphthene	14.910	154	47713	8.894	ng	98
55) Dibenzofuran	15.239	168	78066	8.791	ng	96
58) Fluorene	15.885	166	108058	14.979	ng	98
71) Phenanthrene	17.624	178	737448	66.933	ng	98
72) Anthracene	17.713	178	248688	23.028	ng	99
73) Carbazole	17.977	167	82435	8.205	ng	98
75) Fluoranthene	19.616	202	1201391	90.652	ng	97
78) Pyrene	19.975	202	1057179	79.760	ng	96
81) Benzo(a)anthracene	21.831	228	621423	48.182	ng	99
83) Chrysene	21.902	228	558047m	45.352	ng	
87) Indeno(1,2,3-cd)pyrene	29.117	276	421620	24.675	ng	# 95
88) Benzo(b)fluoranthene	24.158	252	851111	62.960	ng	97
89) Benzo(k)fluoranthene	24.217	252	307848m	22.661	ng	
90) Benzo(a)pyrene	25.074	252	671062	57.410	ng	98
91) Dibenzo(a,h)anthracene	29.152	278	122187m	8.667	ng	
92) Benzo(g,h,i)perylene	30.333	276	383413	27.346	ng	97

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

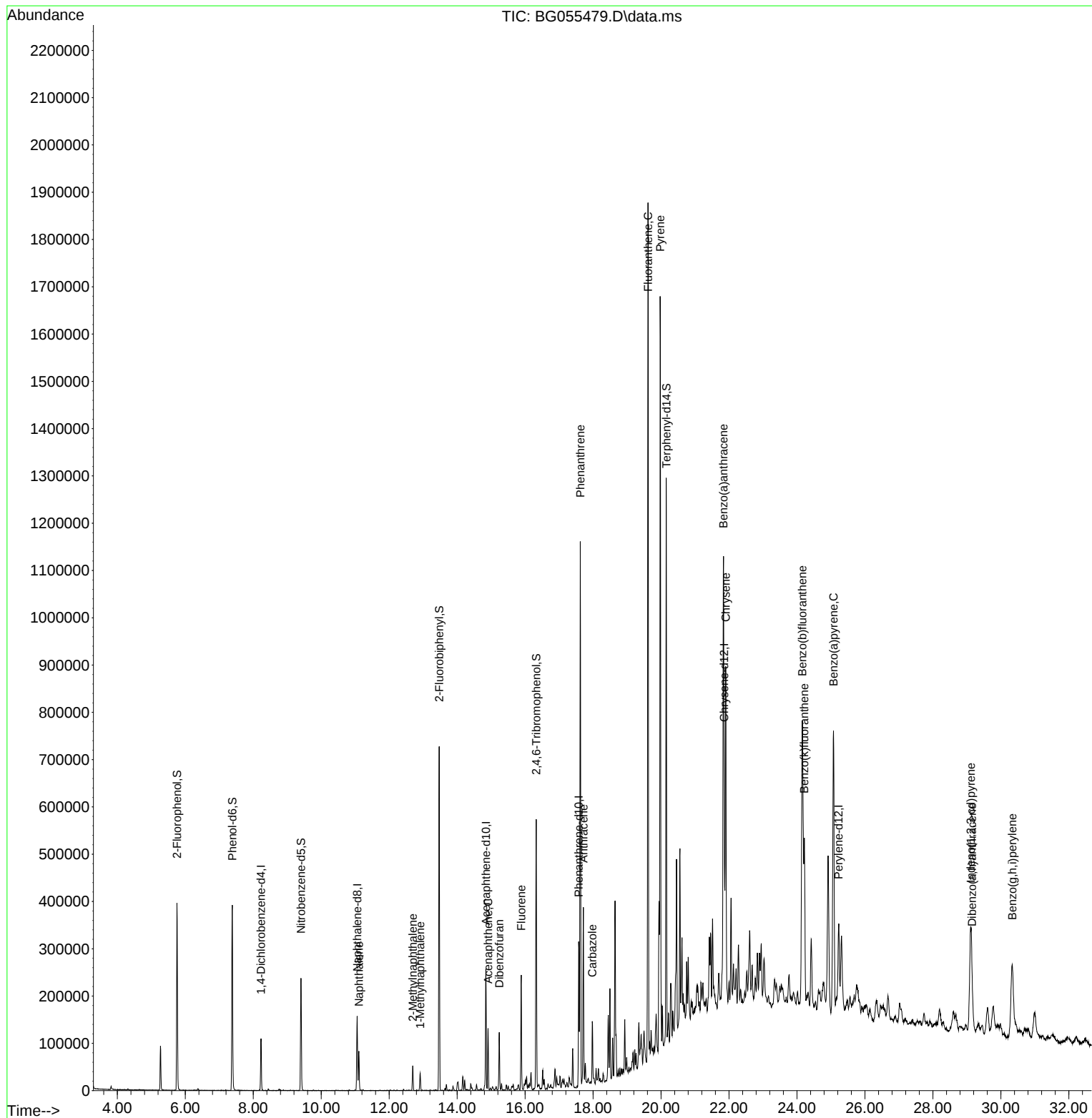
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055479.D
Acq On : 5 Nov 2022 21:04
Operator : CG/JU
Sample : N5425-01
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ALS Vial : 14 Sample Multiplier: 1

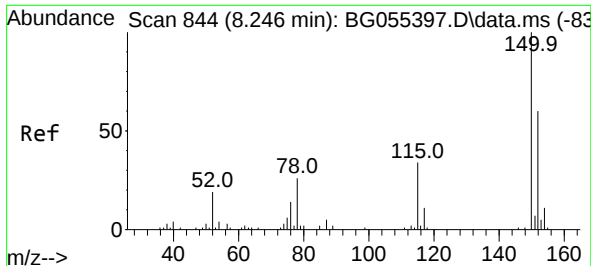
Instrument :
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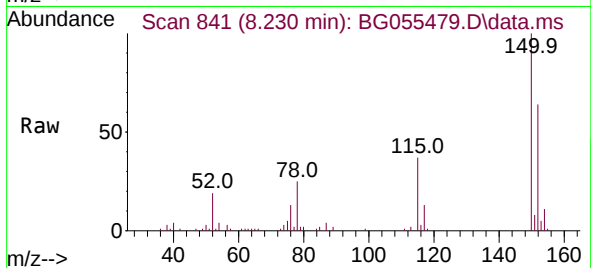
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 844
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

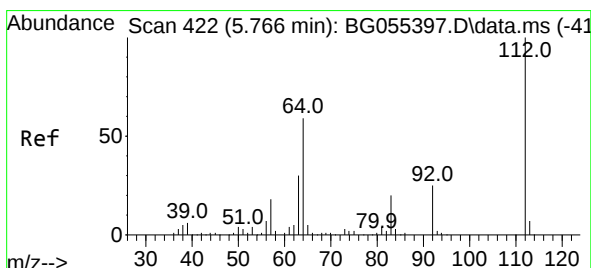
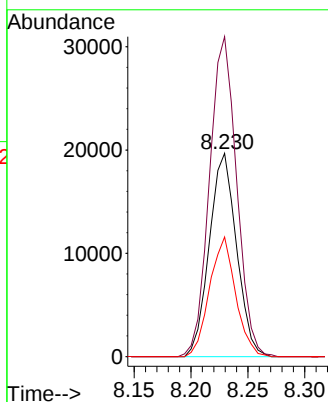
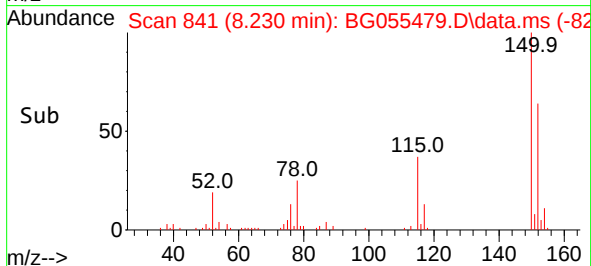
Instrument :
BNA_G
ClientSampleId :
371



Tgt Ion:152 Resp: 32734
Ion Ratio Lower Upper
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150 157.4 132.8 199.2
115 58.9 45.1 67.7

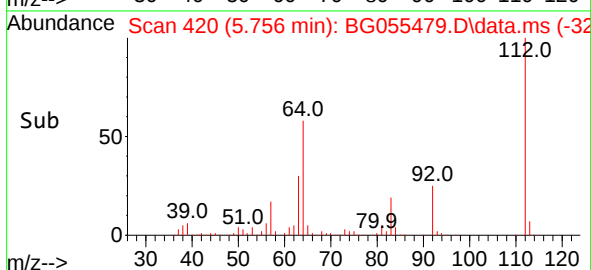
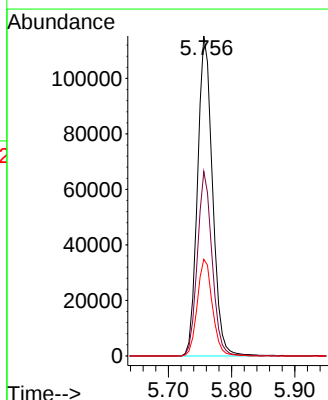
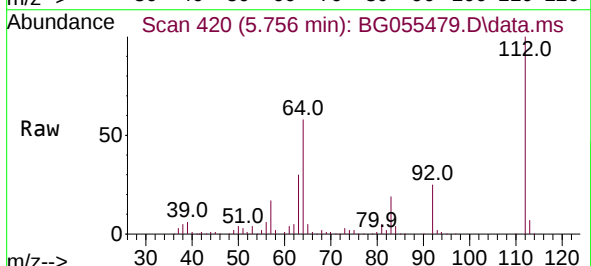
Manual Integrations
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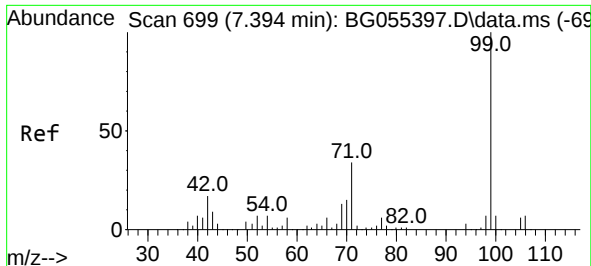
Reviewed By :Christian Giraldo 11/07/2022
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#5
2-Fluorophenol
Concen: 104.069 ng
RT: 5.756 min Scan# 420
Delta R.T. 0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

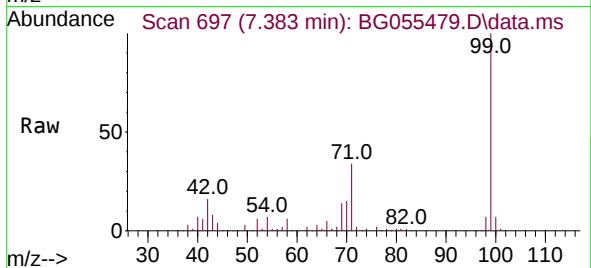
Tgt Ion:112 Resp: 189693
Ion Ratio Lower Upper
112 100
64 57.6 47.2 70.8
63 30.2 24.3 36.5





#7
Phenol-d6
Concen: 98.823 ng
RT: 7.383 min Scan# 697
Delta R.T. 0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

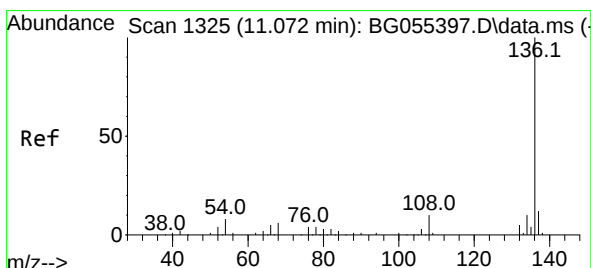
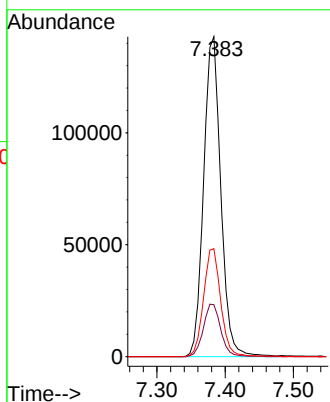
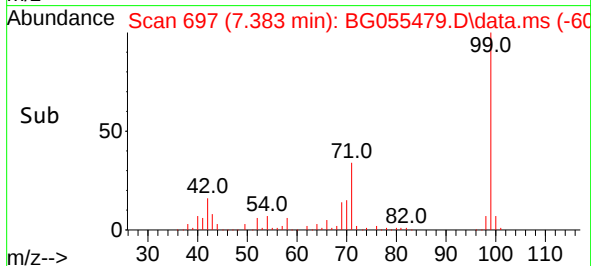
Instrument :
BNA_G
ClientSampleId :
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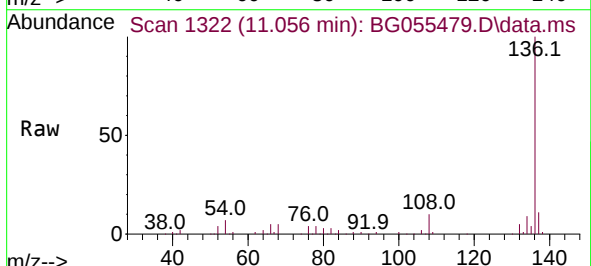
Tgt Ion: 99 Resp: 249795
Ion Ratio Lower Upper
99 100
42 16.2 13.5 20.3
71 33.7 27.4 41.0

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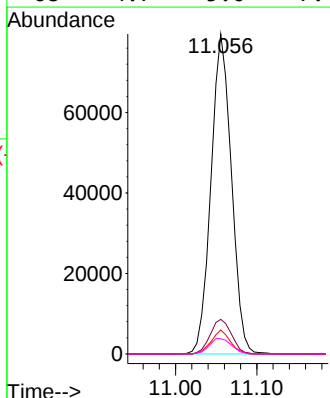
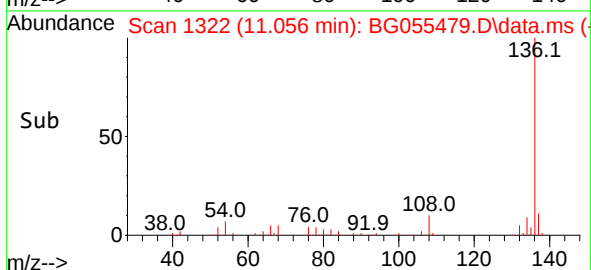
Reviewed By :Christian Giraldo 11/07/2022
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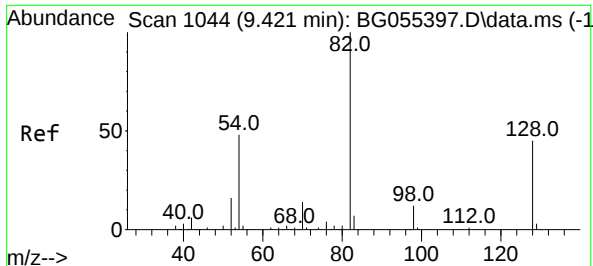


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.056 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04



Tgt Ion:136 Resp: 138870
Ion Ratio Lower Upper
136 100
137 10.8 9.4 14.2
54 7.5 6.1 9.1
68 4.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 57.821 ng

RT: 9.405 min Scan# 1044

Delta R.T. -0.000 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

371

Tgt Ion: 82 Resp: 150664

Ion Ratio Lower Upper

82 100

128 45.8 35.8 53.8

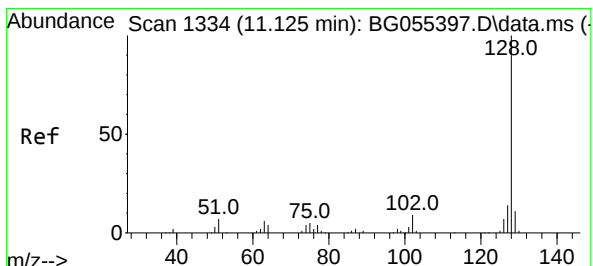
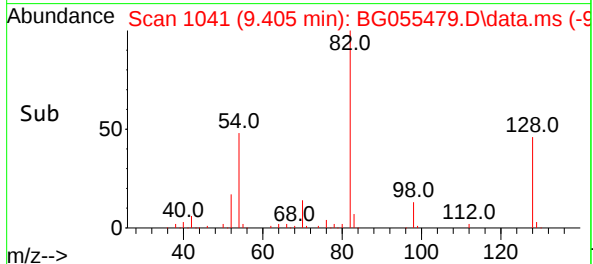
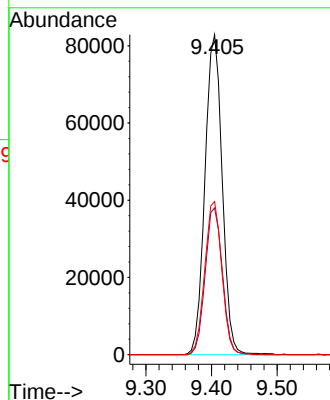
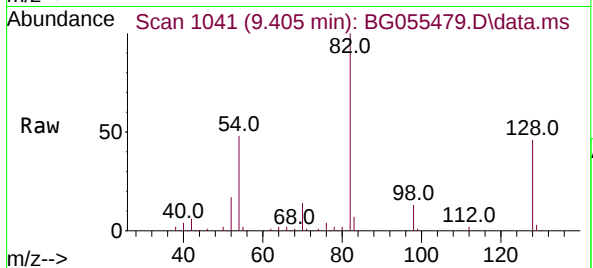
54 47.8 38.1 57.1

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#31

Naphthalene

Concen: 9.320 ng

RT: 11.108 min Scan# 1331

Delta R.T. -0.000 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

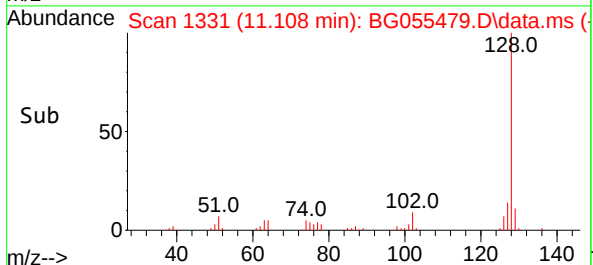
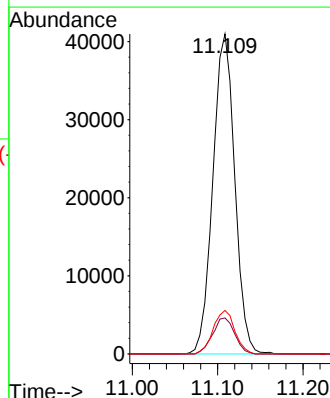
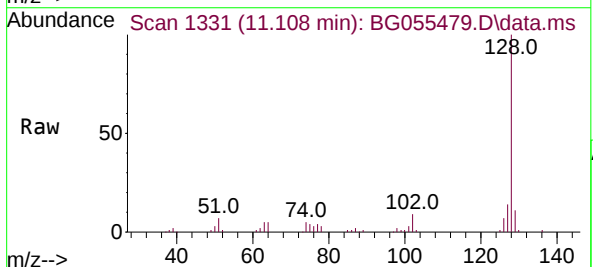
Tgt Ion:128 Resp: 72873

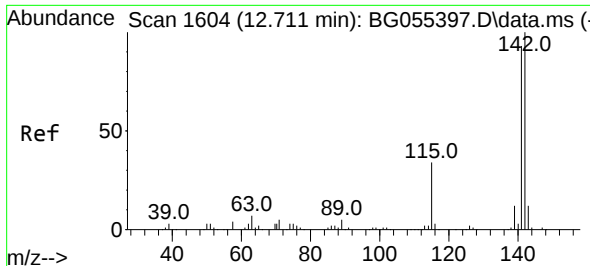
Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

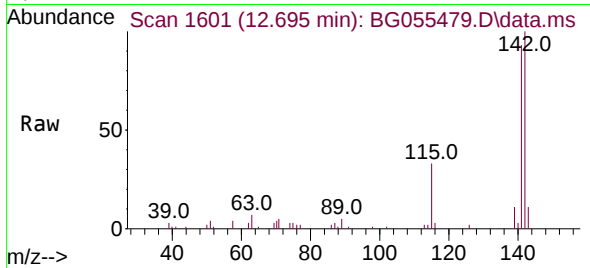
127 13.6 10.8 16.2





#37
2-Methylnaphthalene
Concen: 4.752 ng
RT: 12.695 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

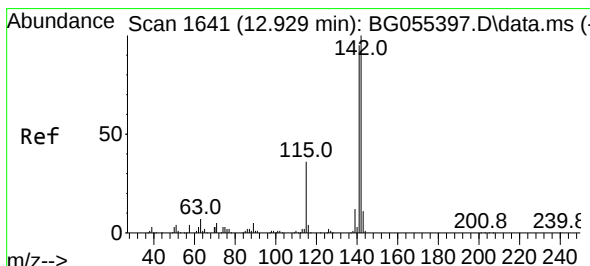
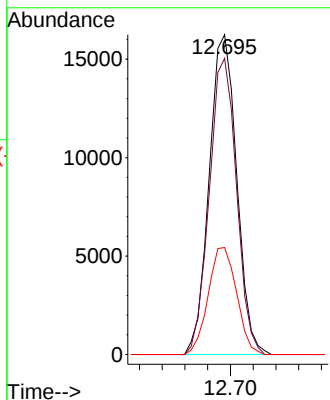
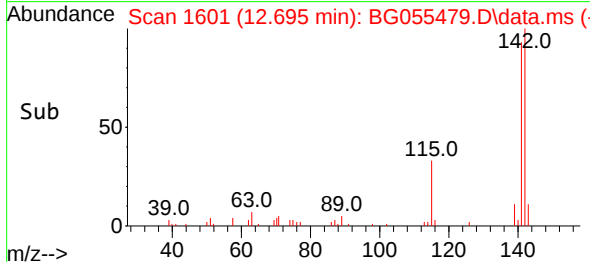
Instrument :
BNA_G
ClientSampleId :
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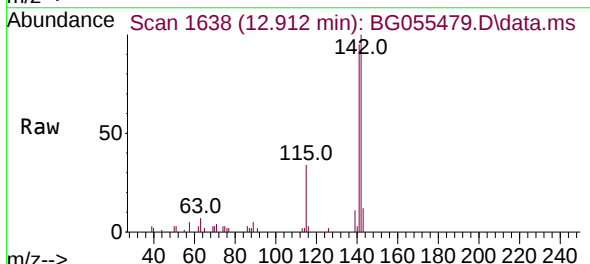
Tgt Ion:142 Resp: 27289
Ion Ratio Lower Upper
142 100
141 92.6 74.5 111.7
115 33.5 27.4 41.2

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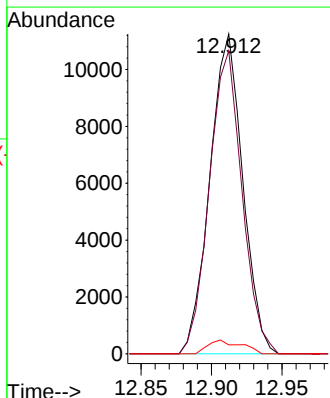
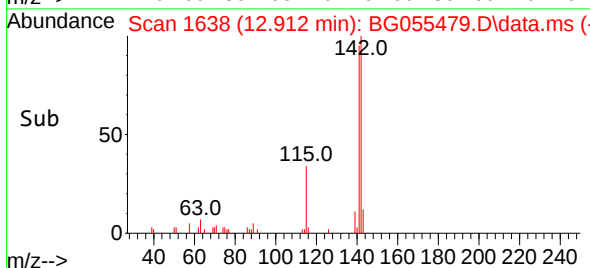
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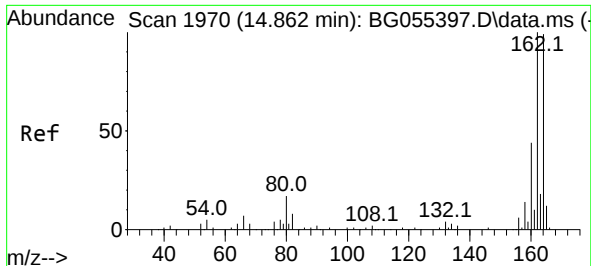


#38
1-Methylnaphthalene
Concen: 3.257 ng m
RT: 12.912 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04



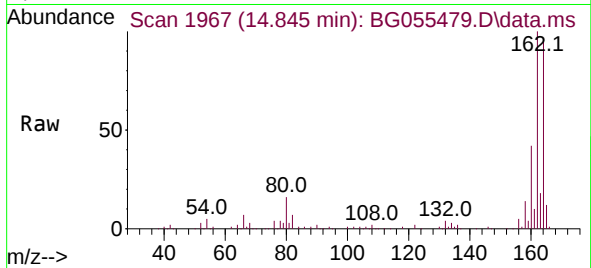
Tgt Ion:142 Resp: 18246
Ion Ratio Lower Upper
142 100
141 94.7 76.1 114.1
116 2.8 3.0 4.4#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

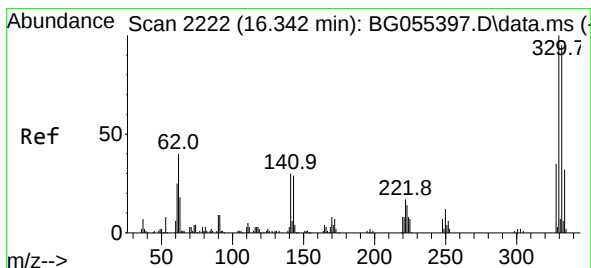
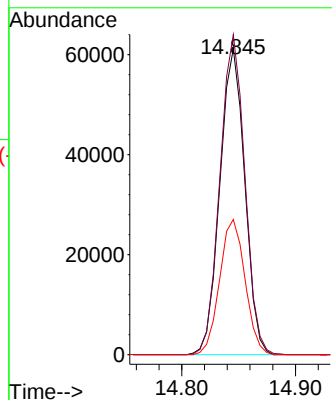
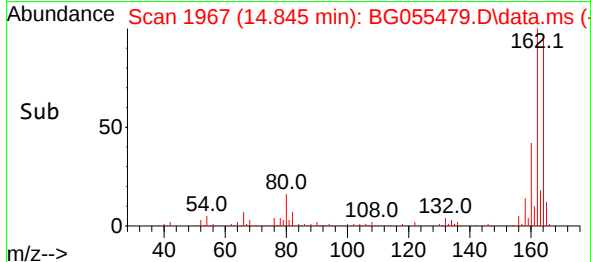
Instrument :
BNA_G
ClientSampleId :
371



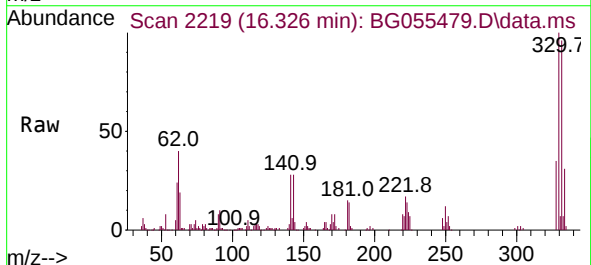
Tgt Ion:164 Resp: 92847
Ion Ratio Lower Upper
164 100
162 104.6 81.1 121.7
160 44.1 35.8 53.6

Manual Integrations
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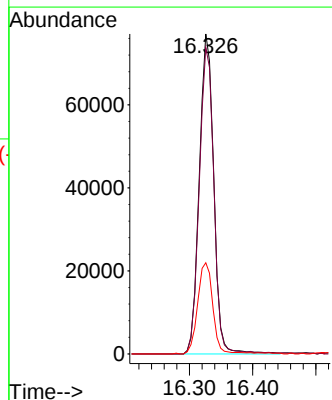
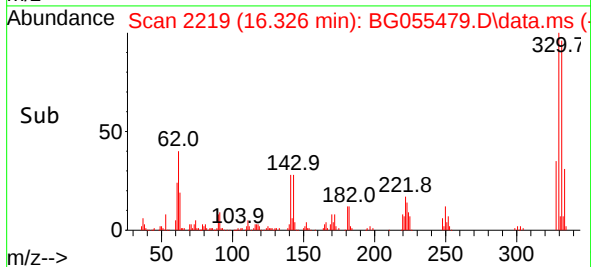
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

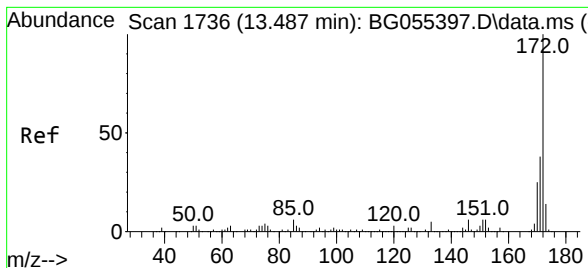


#42
2,4,6-Tribromophenol
Concen: 96.653 ng
RT: 16.326 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04



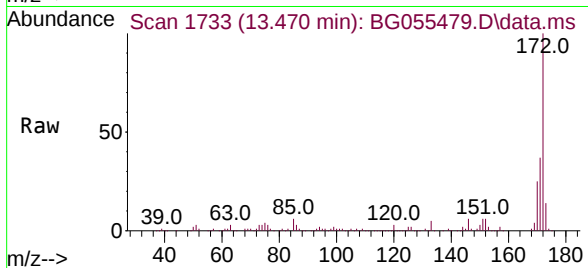
Tgt Ion:330 Resp: 122407
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 29.9 24.2 36.2





#45
2-Fluorobiphenyl
Concen: 61.190 ng
RT: 13.470 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

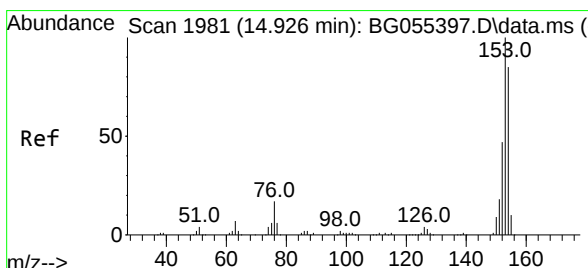
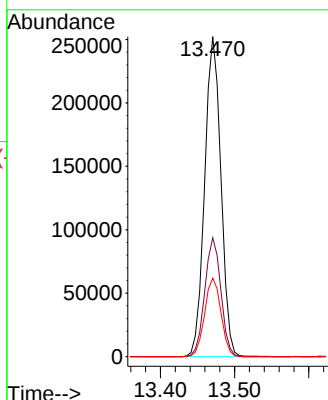
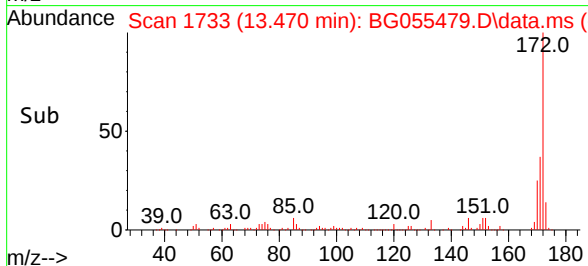
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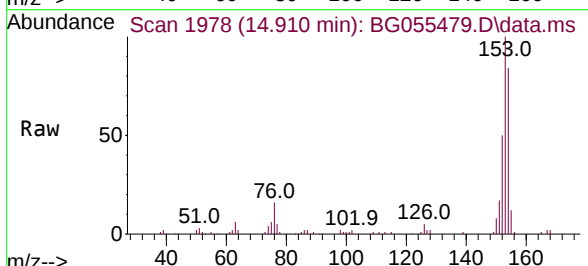
Tgt Ion:172 Resp: 383182
Ion Ratio Lower Upper
172 100
171 37.1 30.2 45.2
170 24.5 20.2 30.2

Manual Integrations
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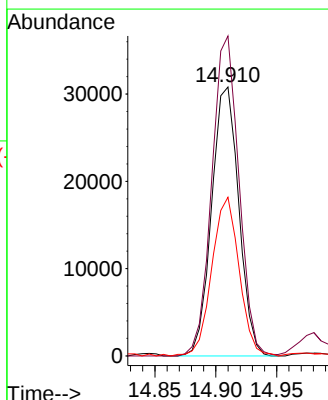
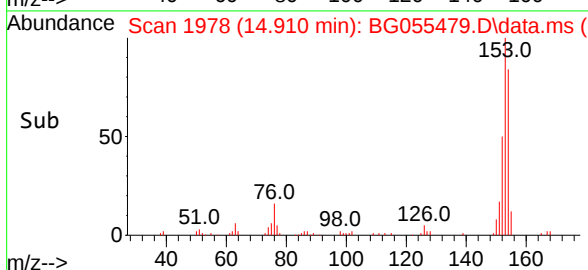
Reviewed By :Christian Giraldo 11/07/2022
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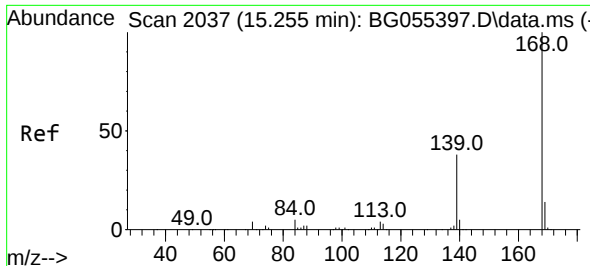


#52
Acenaphthene
Concen: 8.894 ng
RT: 14.910 min Scan# 1978
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04



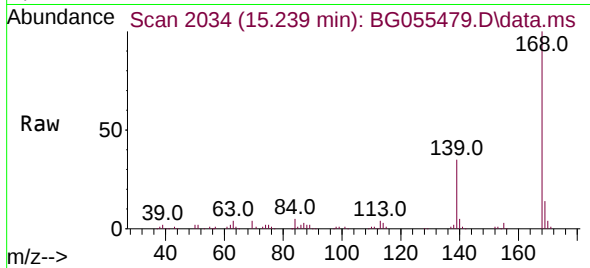
Tgt Ion:154 Resp: 47713
Ion Ratio Lower Upper
154 100
153 119.0 94.6 141.8
152 59.0 44.7 67.1





#55
Dibenzenofuran
Concen: 8.791 ng
RT: 15.239 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

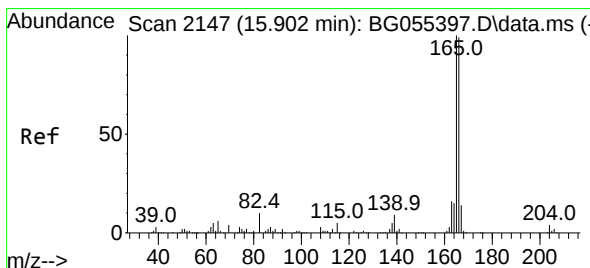
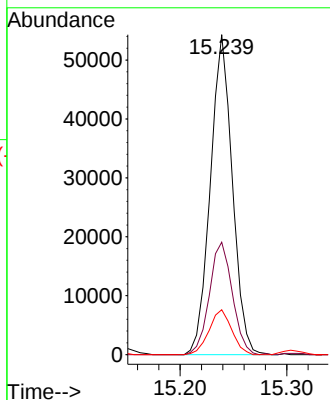
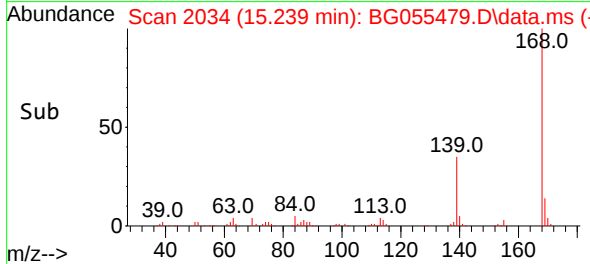
Instrument :
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Tgt Ion:168 Resp: 78066
Ion Ratio Lower Upper
168 100
139 35.1 30.3 45.5
169 14.0 10.8 16.2

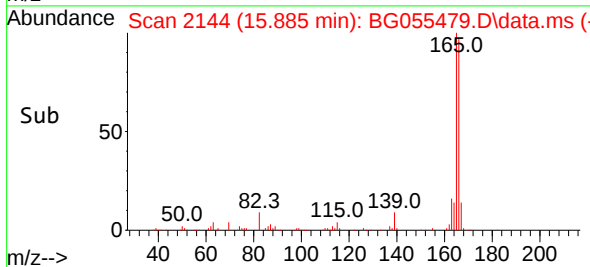
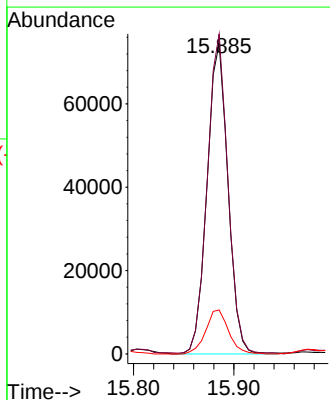
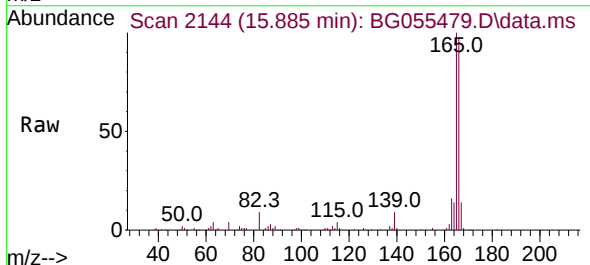
Manual Integrations
APPROVED

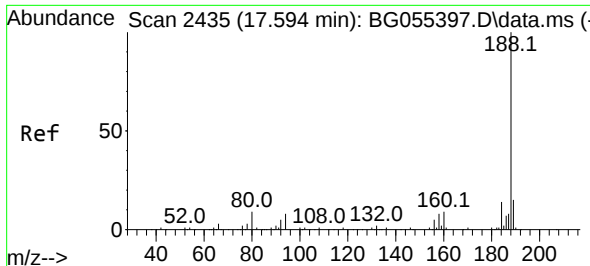
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#58
Fluorene
Concen: 14.979 ng
RT: 15.885 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

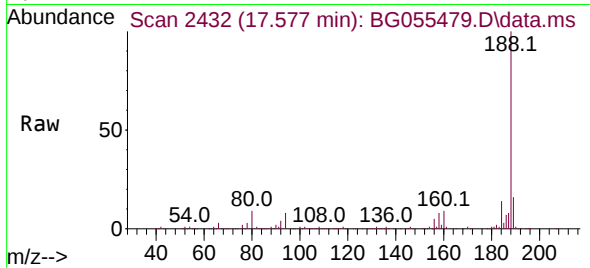
Tgt Ion:166 Resp: 108058
Ion Ratio Lower Upper
166 100
165 103.1 81.0 121.6
167 14.1 11.0 16.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

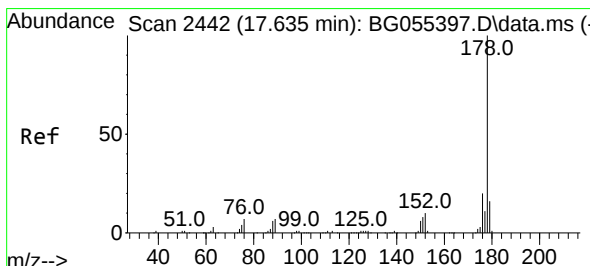
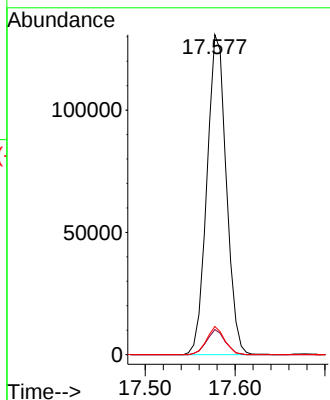
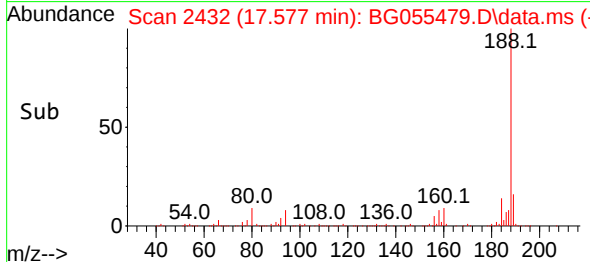
Instrument :
BNA_G
ClientSampleId :
371



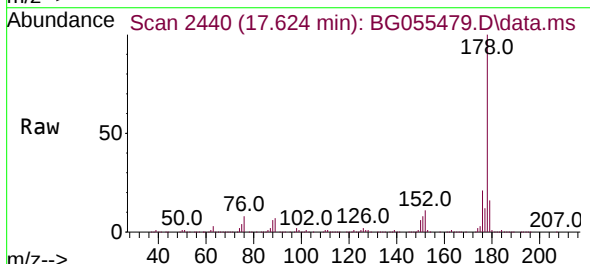
Tgt Ion:188 Resp: 195875
Ion Ratio Lower Upper
188 100
94 7.8 6.5 9.7
80 8.8 7.4 11.0

Manual Integrations
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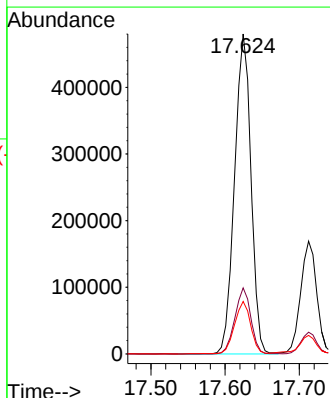
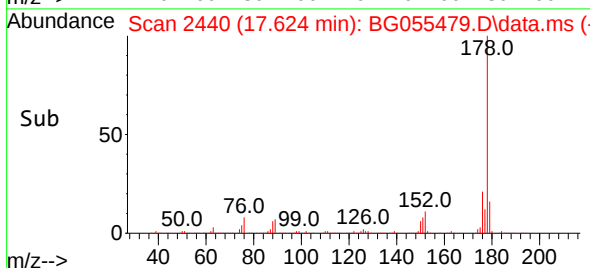
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

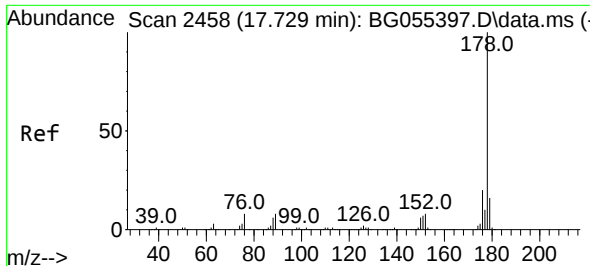


#71
Phenanthrene
Concen: 66.933 ng
RT: 17.624 min Scan# 2440
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04



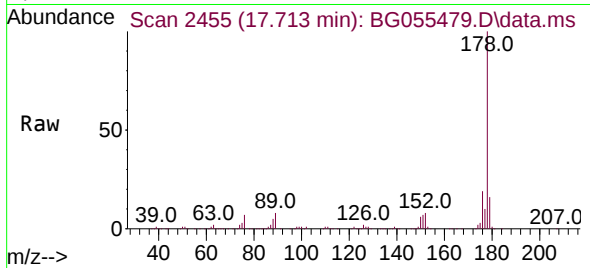
Tgt Ion:178 Resp: 737448
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 16.4 12.7 19.1





#72
 Anthracene
 Concen: 23.028 ng
 RT: 17.713 min Scan# 2458
 Delta R.T. -0.000 min
 Lab File: BG055479.D
 Acq: 5 Nov 2022 21:04

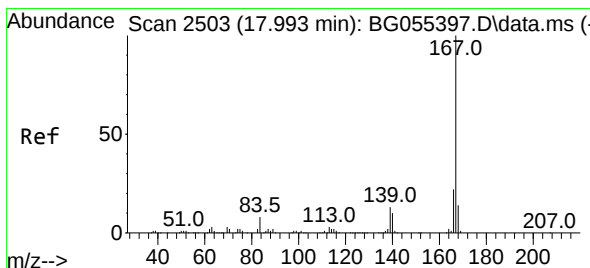
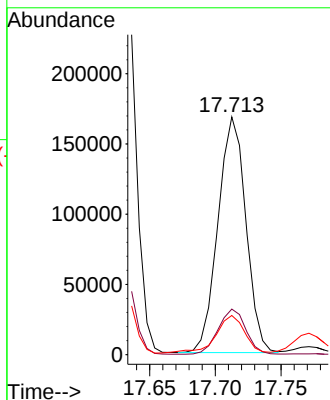
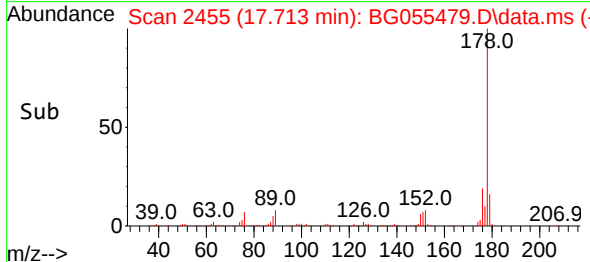
Instrument :
 BNA_G
 ClientSampleId :
 371



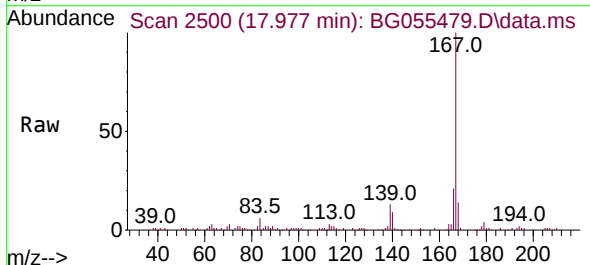
Tgt Ion:178 Resp: 248688
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.7 23.5
 179 16.4 13.0 19.6

Manual Integrations
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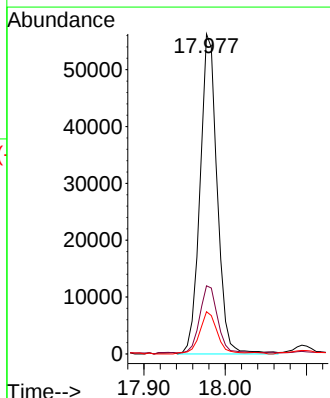
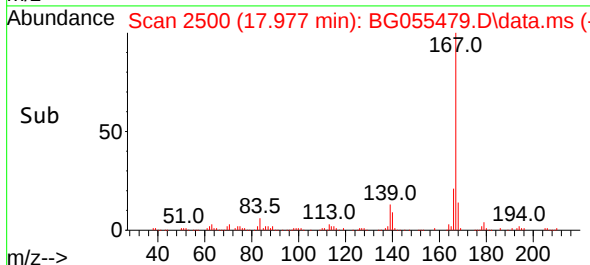
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

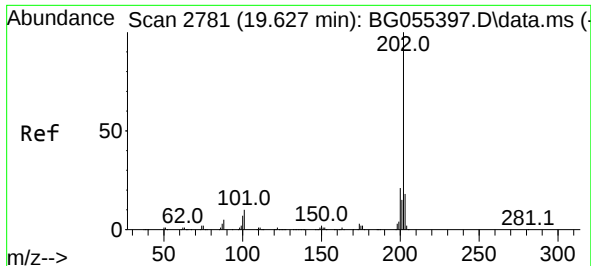


#73
 Carbazole
 Concen: 8.205 ng
 RT: 17.977 min Scan# 2500
 Delta R.T. -0.006 min
 Lab File: BG055479.D
 Acq: 5 Nov 2022 21:04



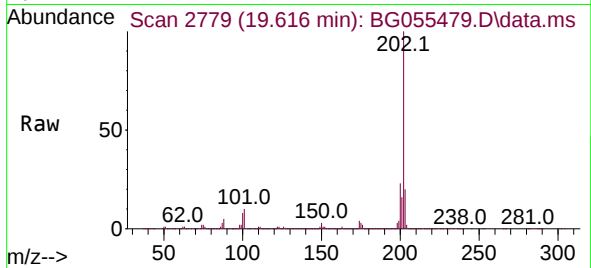
Tgt Ion:167 Resp: 82435
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.9 26.9
 139 13.2 10.4 15.6





#75
Fluoranthene
Concen: 90.652 ng
RT: 19.616 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

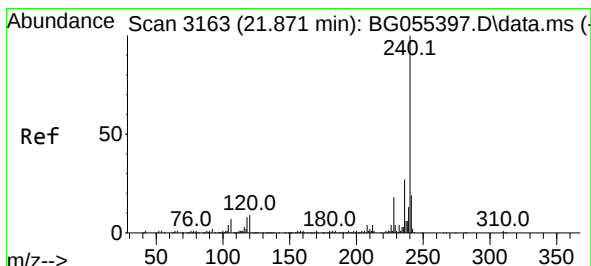
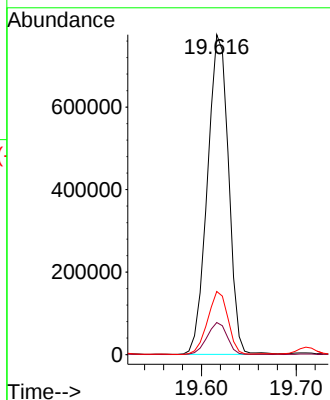
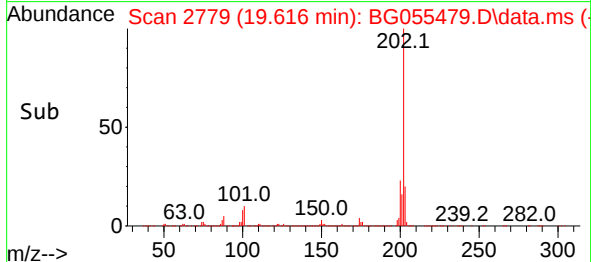
Instrument :
BNA_G
ClientSampleId :
371



Tgt Ion:202 Resp: 120139
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.8
203 19.8 0.0 38.1

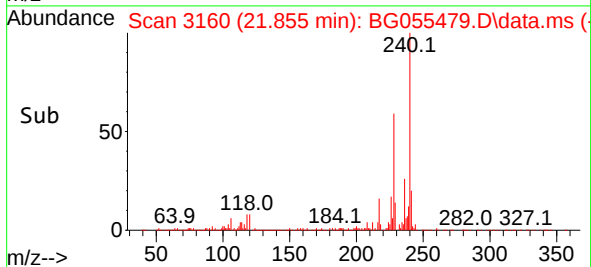
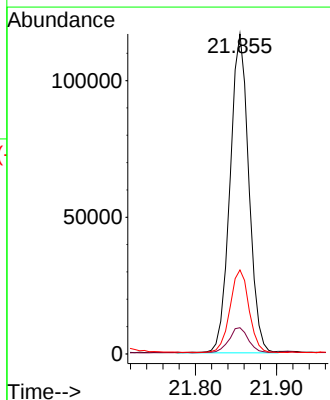
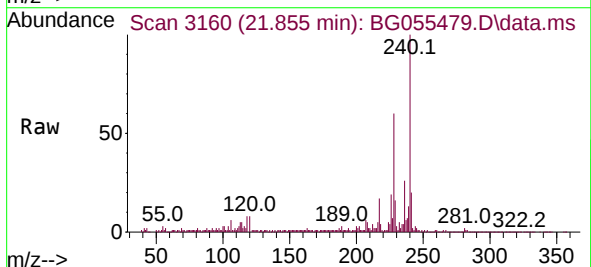
Manual Integrations
APPROVED

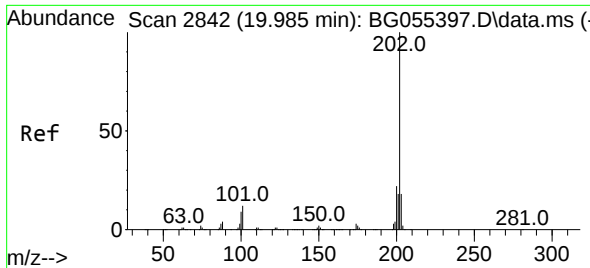
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3160
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

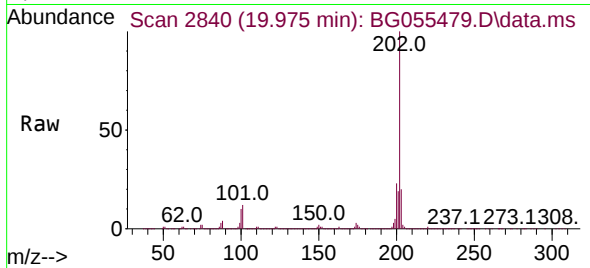
Tgt Ion:240 Resp: 187885
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 26.2 21.5 32.3





#78
 Pyrene
 Concen: 79.760 ng
 RT: 19.975 min Scan# 2842
 Delta R.T. -0.000 min
 Lab File: BG055479.D
 Acq: 5 Nov 2022 21:04

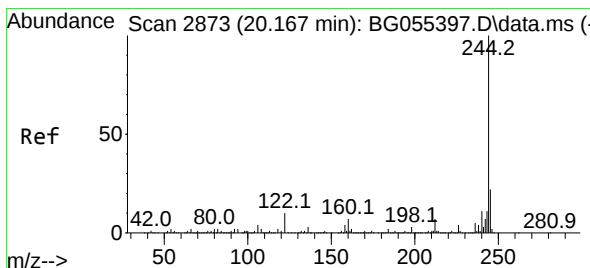
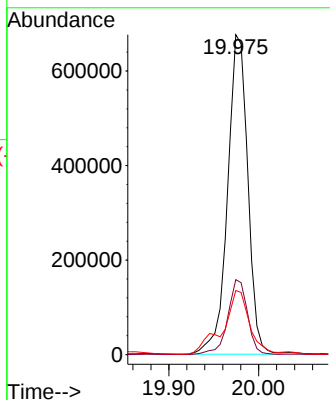
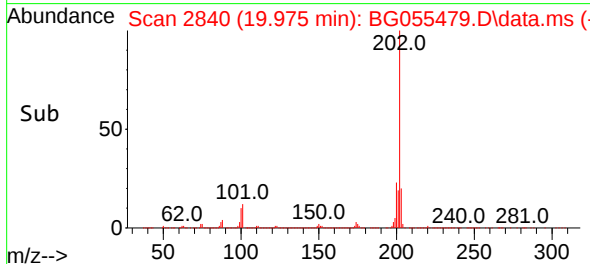
Instrument :
 BNA_G
 ClientSampleId :
 371



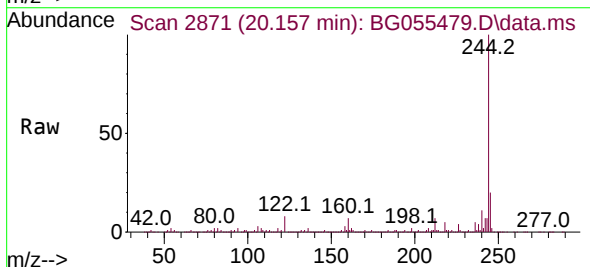
Tgt Ion:202 Resp: 1057179
 Ion Ratio Lower Upper
 202 100
 200 23.4 17.4 26.2
 203 20.0 14.7 22.1

Manual Integrations
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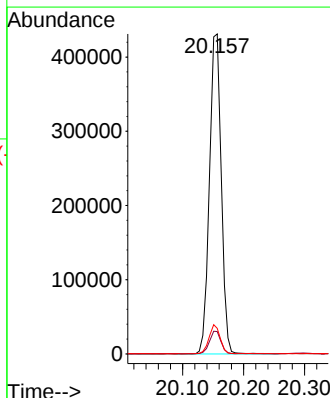
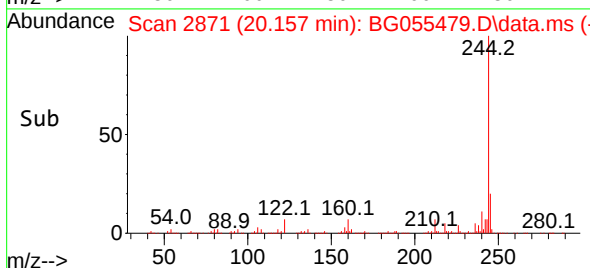
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

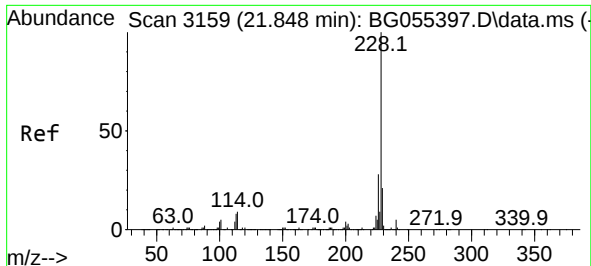


#79
 Terphenyl-d14
 Concen: 60.149 ng
 RT: 20.157 min Scan# 2871
 Delta R.T. -0.000 min
 Lab File: BG055479.D
 Acq: 5 Nov 2022 21:04



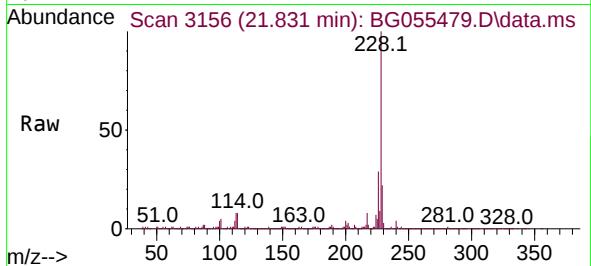
Tgt Ion:244 Resp: 581169
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 8.0 7.8 11.6





#81
Benzo(a)anthracene
Concen: 48.182 ng
RT: 21.831 min Scan# 3159
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

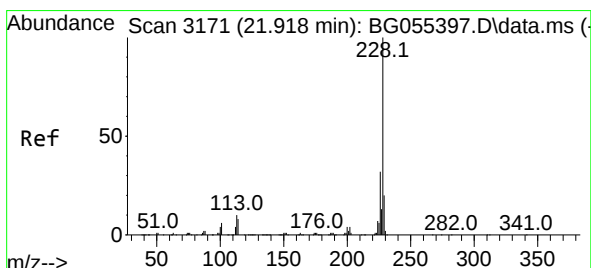
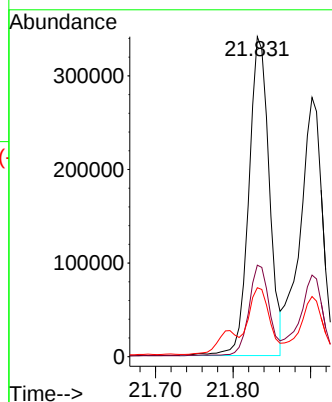
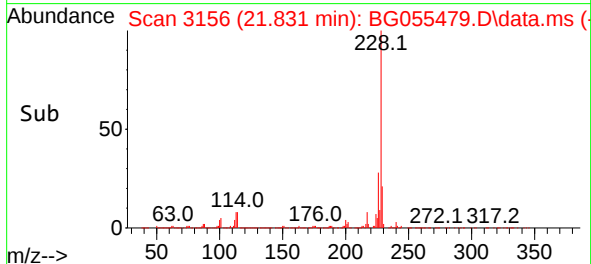
Instrument :
BNA_G
ClientSampleId :
371



Tgt Ion:228 Resp: 621423
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 21.5 16.5 24.7

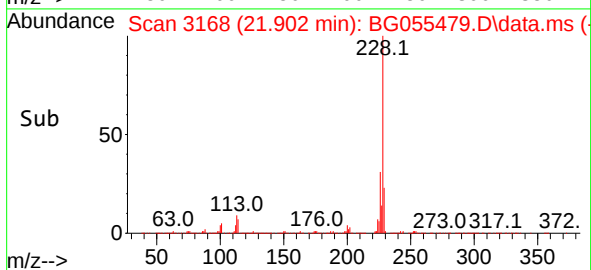
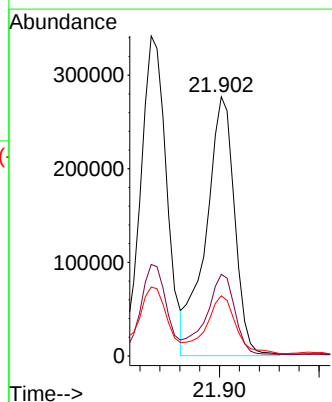
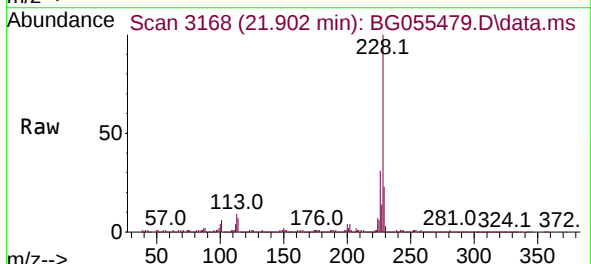
Manual Integrations
APPROVED

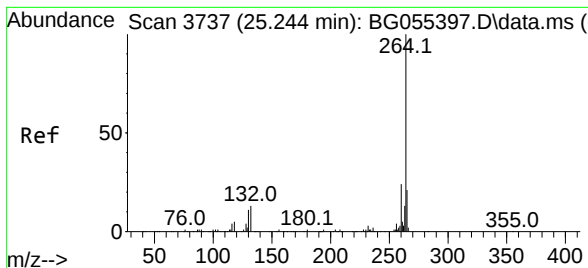
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#83
Chrysene
Concen: 45.352 ng m
RT: 21.902 min Scan# 3168
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:228 Resp: 558047
Ion Ratio Lower Upper
228 100
226 31.5 25.2 37.8
229 23.2 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.227 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

371

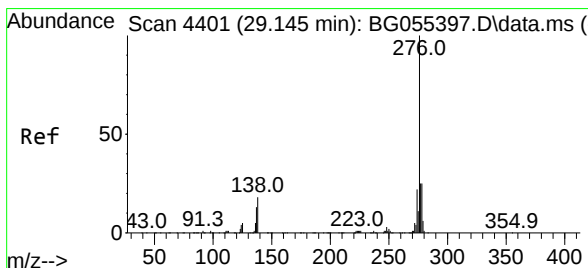
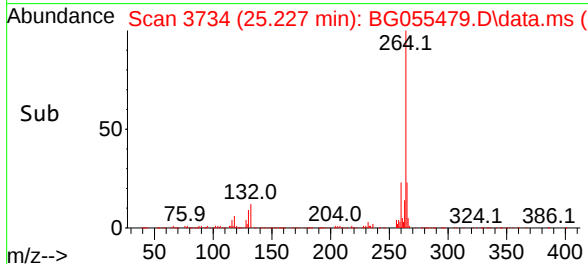
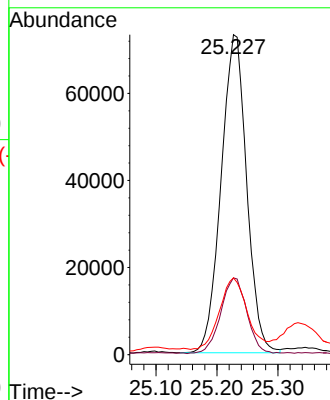
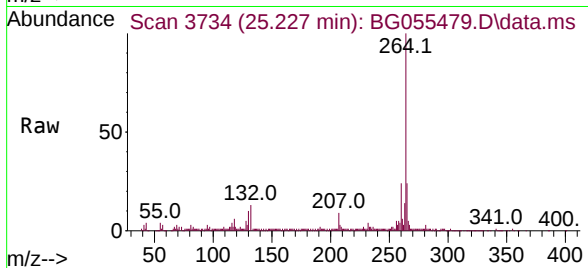
Tgt Ion:264 Resp: 212820
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.9 28.3
 265 24.0 17.1 25.7

Manual Integrations

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Reviewed By :Christian Giraldo 11/07/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 24.675 ng

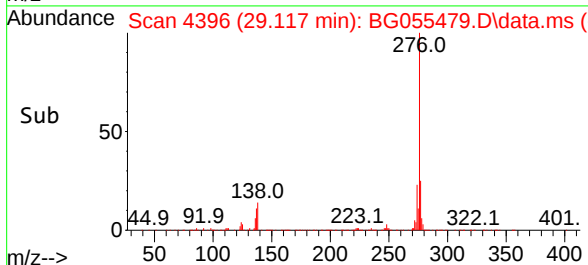
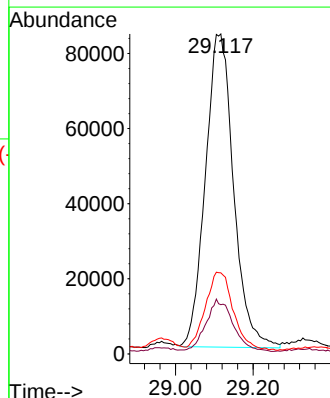
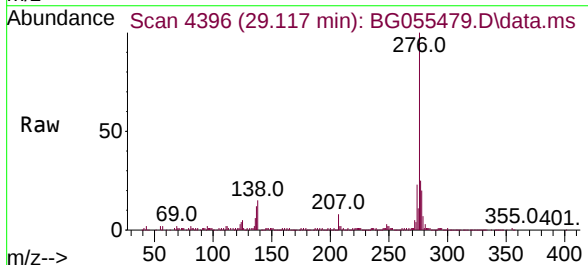
RT: 29.117 min Scan# 4396

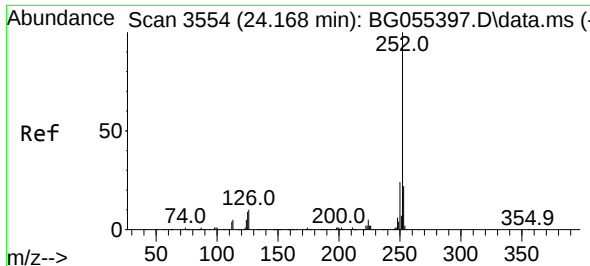
Delta R.T. 0.006 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

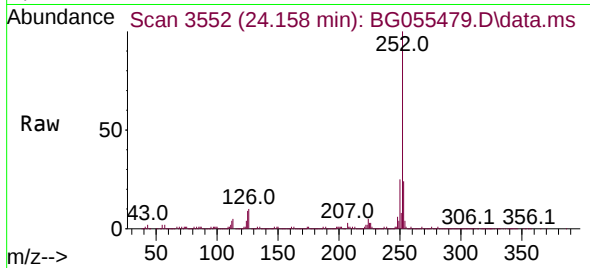
Tgt Ion:276 Resp: 421620
 Ion Ratio Lower Upper
 276 100
 138 16.0 16.2 24.2#
 277 24.9 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 62.960 ng
RT: 24.158 min Scan# 3552
Delta R.T. 0.011 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

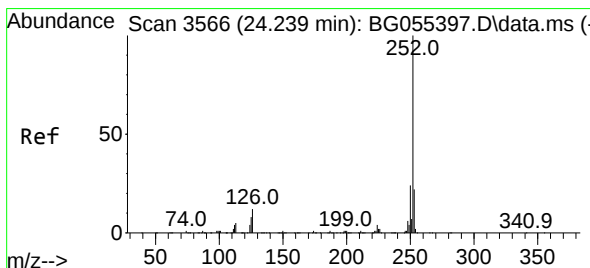
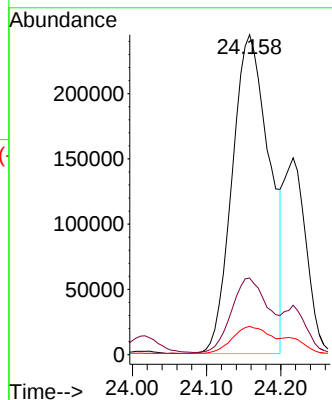
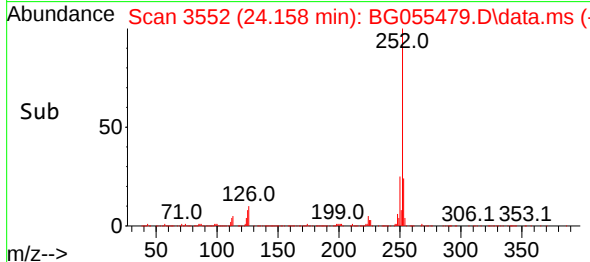
Instrument :
BNA_G
ClientSampleId :
371



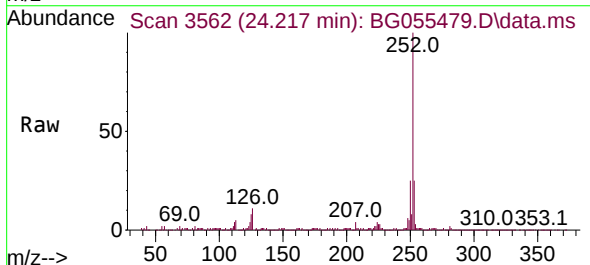
Tgt Ion:252 Resp: 851111
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 8.8 6.8 10.2

Manual Integrations
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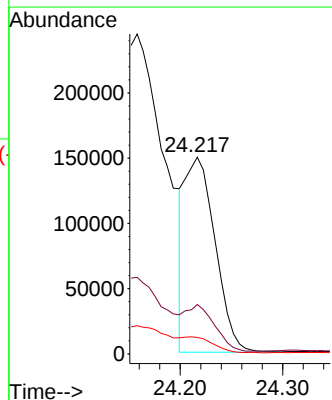
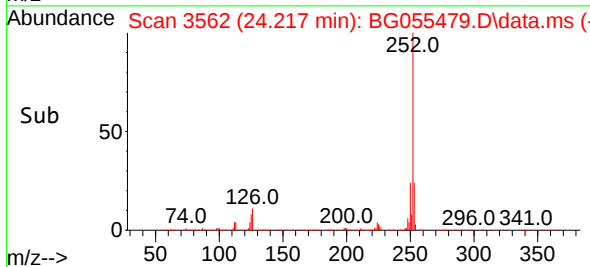
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

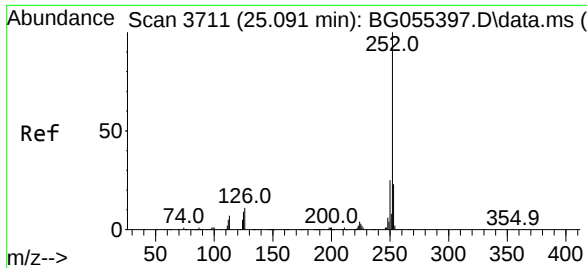


#89
Benzo(k)fluoranthene
Concen: 22.661 ng m
RT: 24.217 min Scan# 3562
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04



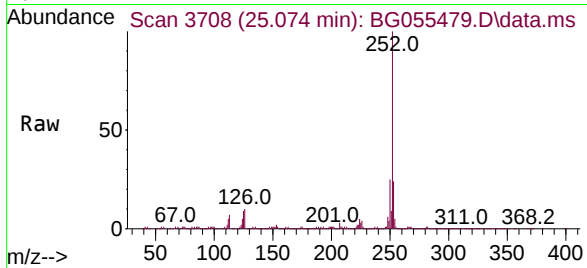
Tgt Ion:252 Resp: 307848
Ion Ratio Lower Upper
252 100
253 25.1 17.9 26.9
125 8.3 6.9 10.3





#90
Benzo(a)pyrene
Concen: 57.410 ng
RT: 25.074 min Scan# 3711
Delta R.T. 0.011 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

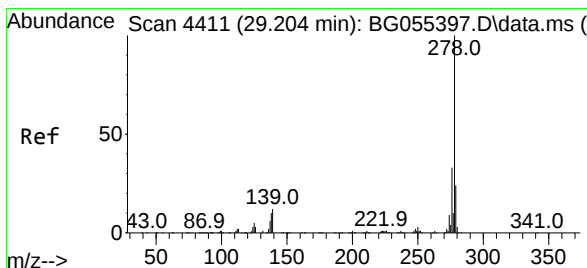
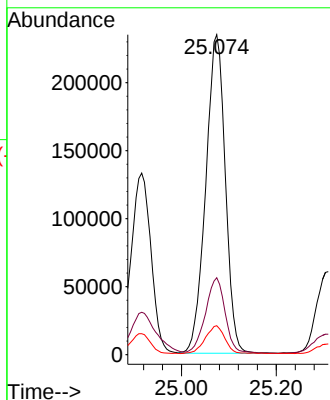
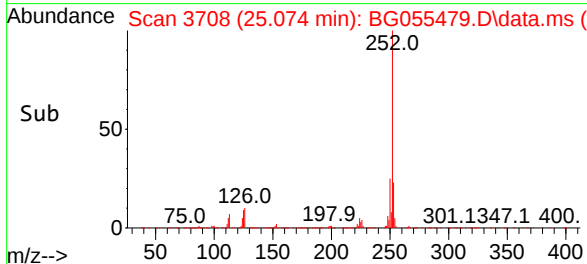
Instrument :
BNA_G
ClientSampleId :
371



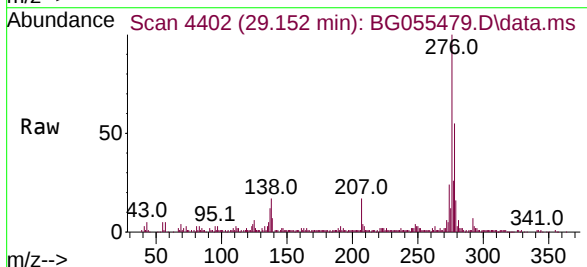
Tgt Ion:252 Resp: 671062
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 9.0 7.1 10.7

Manual Integrations
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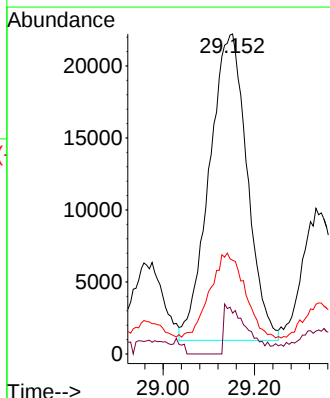
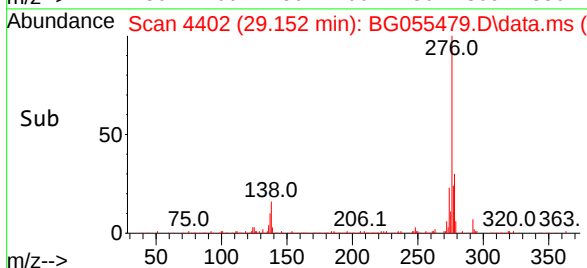
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

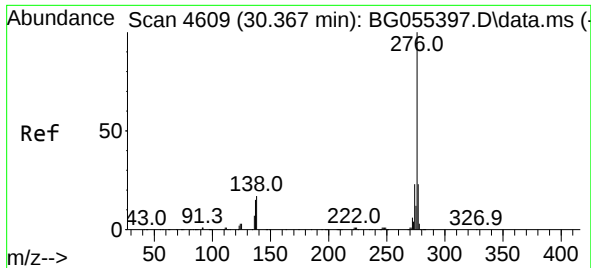


#91
Dibenzo(a,h)anthracene
Concen: 8.667 ng m
RT: 29.152 min Scan# 4402
Delta R.T. -0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04



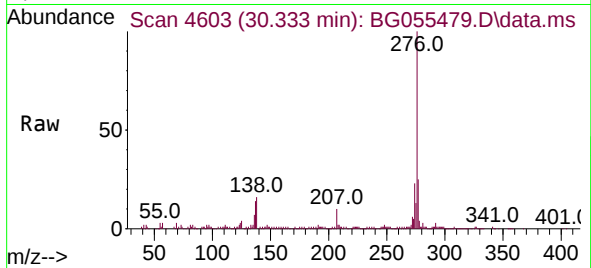
Tgt Ion:278 Resp: 122187
Ion Ratio Lower Upper
278 100
139 12.7 9.9 14.9
279 29.3 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 27.346 ng
 RT: 30.333 min Scan# 4603
 Delta R.T. 0.011 min
 Lab File: BG055479.D
 Acq: 5 Nov 2022 21:04

Instrument :
 BNA_G
 ClientSampleId :
 371



Tgt Ion:276 Resp: 383413
 Ion Ratio Lower Upper
 276 100
 277 25.3 18.6 28.0
 138 16.2 13.4 20.0

Manual Integrations
 APPROVED

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