

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053301.D
 Acq On : 23 Apr 2022 20:13
 Operator : CG/JU
 Sample : N2476-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-02-041922

Quant Time: Apr 24 02:50:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/25/2022
 Supervised By :Jagrut Upadhyay 04/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.113	152	36380	20.000	ng	0.00
21) Naphthalene-d8	10.927	136	148390	20.000	ng	0.00
39) Acenaphthene-d10	14.734	164	99976	20.000	ng	0.00
64) Phenanthrene-d10	17.483	188	194485	20.000	ng	0.00
76) Chrysene-d12	21.777	240	179302	20.000	ng	0.01
86) Perylene-d12	25.090	264	183108	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	97975	46.165	ng	0.00
7) Phenol-d6	7.273	99	144957	44.291	ng	0.00
23) Nitrobenzene-d5	9.270	82	102310	27.995	ng	0.00
42) 2,4,6-Tribromophenol	16.226	330	59937	37.683	ng	0.00
45) 2-Fluorobiphenyl	13.359	172	202534	27.934	ng	0.00
79) Terphenyl-d14	20.085	244	236512	22.278	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.974	128	44484	5.619	ng	98
37) 2-Methylnaphthalene	12.572	142	15337	2.618	ng	93
38) 1-Methylnaphthalene	12.789	142	12550	2.195	ng	# 97
49) Acenaphthylene	14.463	152	36930m	4.107	ng	
52) Acenaphthene	14.798	154	79631	13.059	ng	99
55) Dibenzofuran	15.133	168	72425	7.585	ng	96
58) Fluorene	15.779	166	113918	14.772	ng	99
71) Phenanthrene	17.530	178	1217997	114.655	ng	100
72) Anthracene	17.618	178	351659	33.414	ng	98
73) Carbazole	17.882	167	95898	9.374	ng	98
75) Fluoranthene	19.539	202	1569049	115.227	ng	96
78) Pyrene	19.903	202	1350656	105.769	ng	98
81) Benzo(a)anthracene	21.754	228	744171	60.702	ng	97
83) Chrysene	21.824	228	667968	58.709	ng	95
87) Indeno(1,2,3-cd)pyrene	28.885	276	282218	20.745	ng	95
88) Benzo(b)fluoranthene	24.045	252	817376	70.750	ng	96
89) Benzo(k)fluoranthene	24.097	252	284072m	25.018	ng	
90) Benzo(a)pyrene	24.937	252	611183	62.098	ng	97
91) Dibenzo(a,h)anthracene	28.920	278	74654m	6.667	ng	
92) Benzo(g,h,i)perylene	30.078	276	245870	22.279	ng	97

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

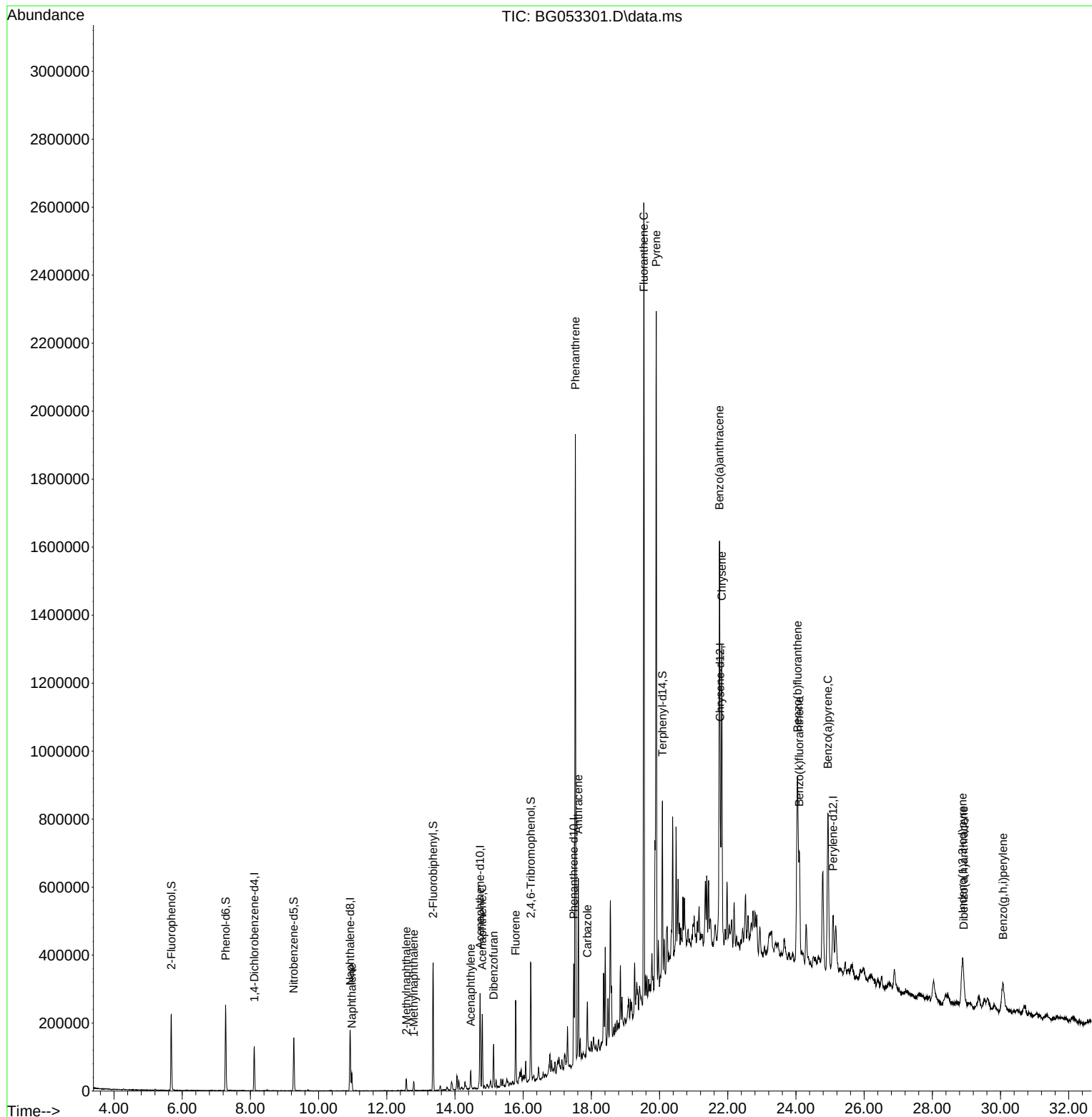
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
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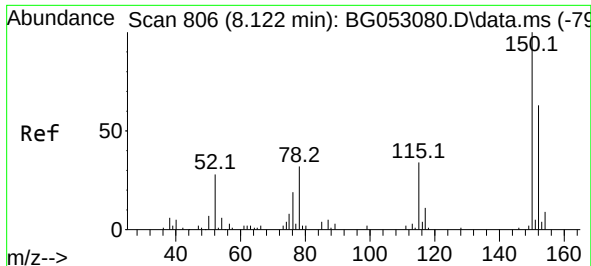
Instrument :
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PAT-02-041922

Quant Time: Apr 24 02:50:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 01:13:30 2022
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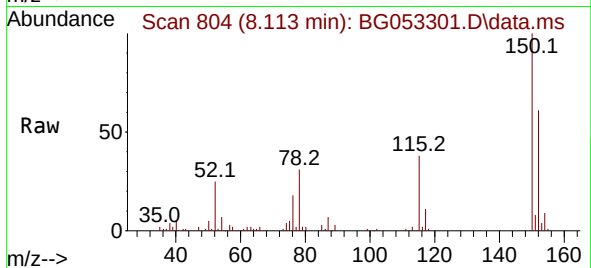
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.113 min Scan# 806
Delta R.T. 0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

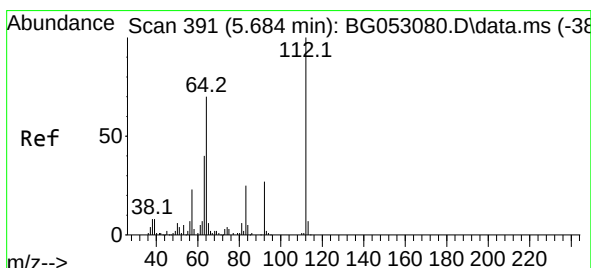
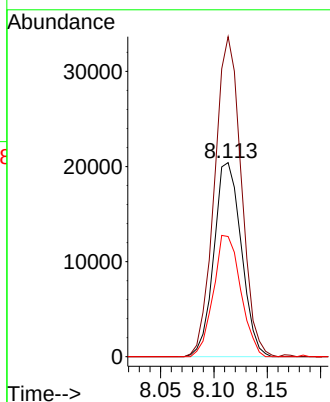
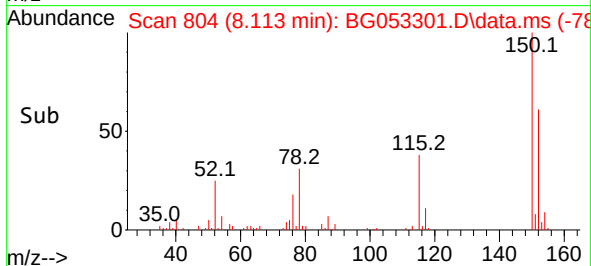
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922



Tgt Ion:152 Resp: 36380
Ion Ratio Lower Upper
152 100
150 164.9 114.6 172.0
115 61.9 45.9 68.9

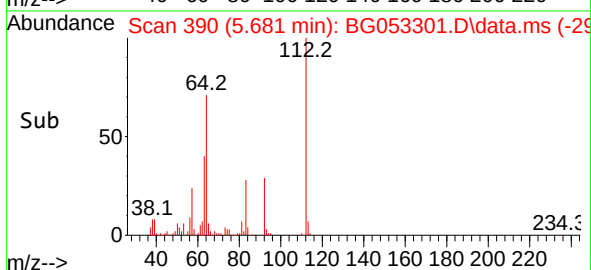
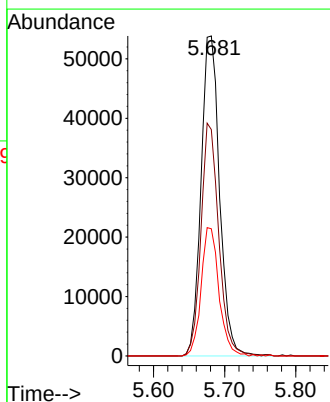
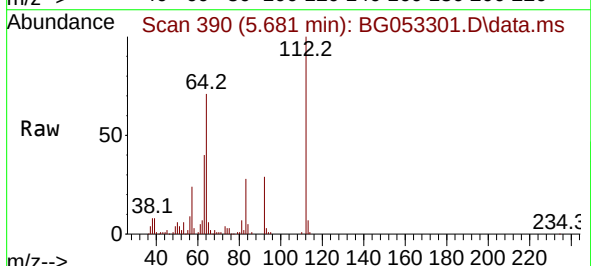
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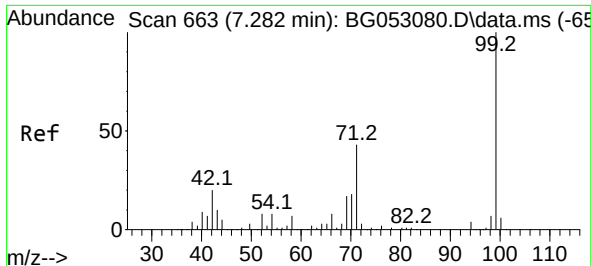
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#5
2-Fluorophenol
Concen: 46.165 ng
RT: 5.681 min Scan# 390
Delta R.T. 0.006 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

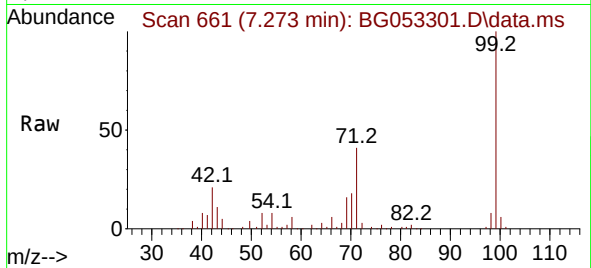
Tgt Ion:112 Resp: 97975
Ion Ratio Lower Upper
112 100
64 70.8 48.0 72.0
63 39.8 26.5 39.7#





#7
Phenol-d6
Concen: 44.291 ng
RT: 7.273 min Scan# 60
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

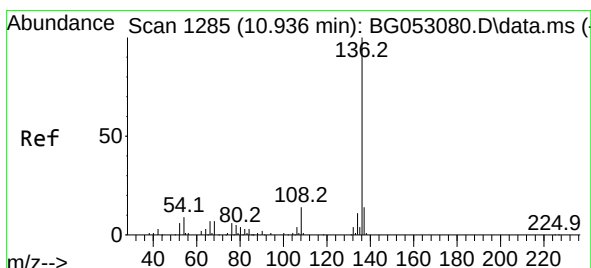
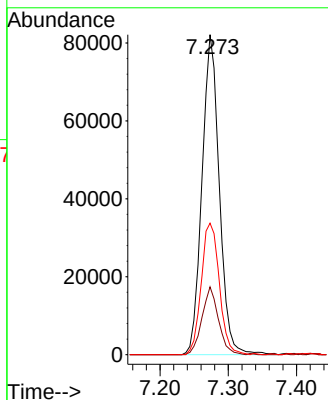
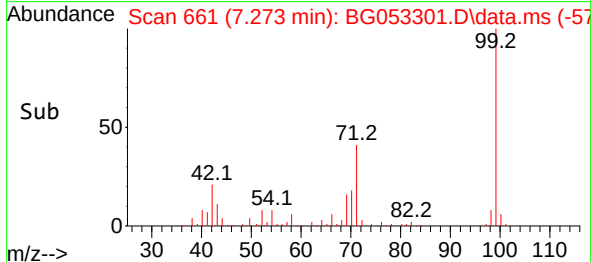
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ClientSampleId :
PAT-02-041922



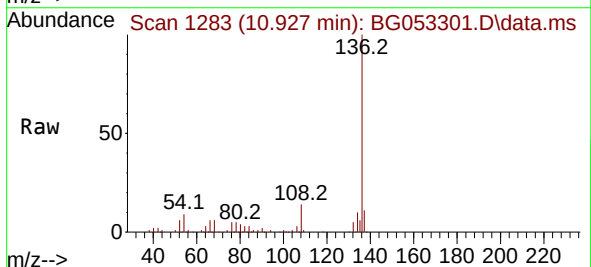
Tgt Ion: 99 Resp: 14495
Ion Ratio Lower Upper
99 100
42 21.2 14.7 22.1
71 41.1 29.2 43.8

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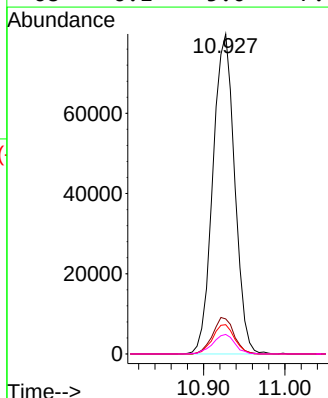
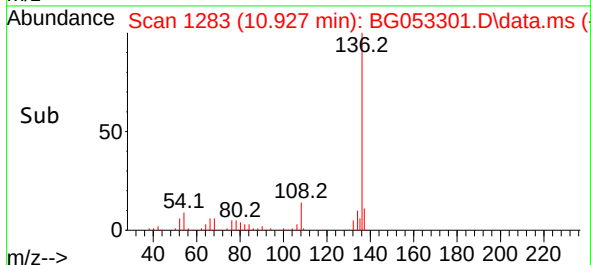
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

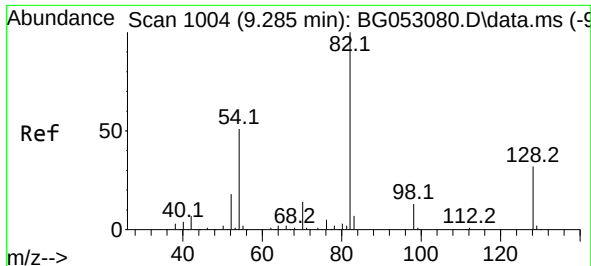


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.927 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13



Tgt Ion:136 Resp: 148390
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.2
54 9.2 6.4 9.6
68 6.1 5.0 7.6





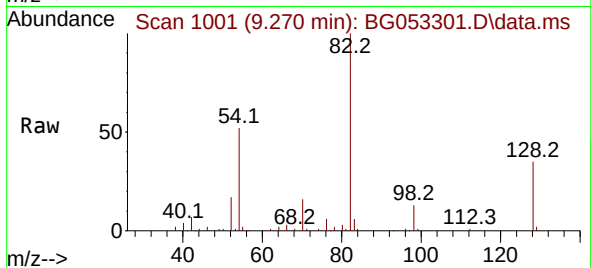
#23
Nitrobenzene-d5
Concen: 27.995 ng
RT: 9.270 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

Instrument :

BNA_G

ClientSampleId :

PAT-02-041922

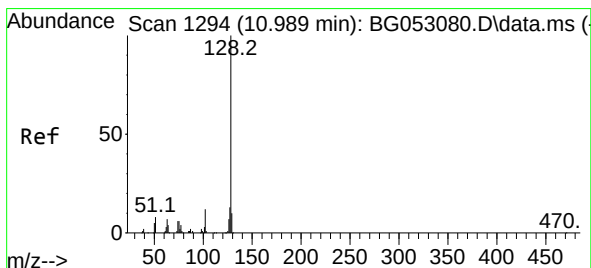
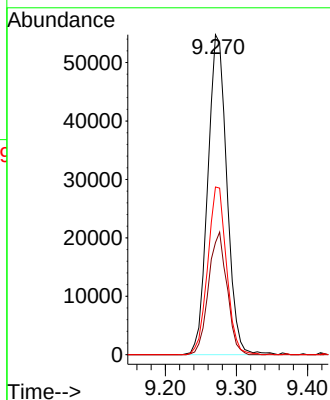
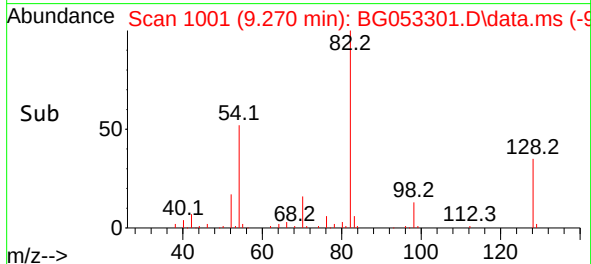


Tgt Ion: 82 Resp: 102310
Ion Ratio Lower Upper
82 100
128 35.1 31.3 46.9
54 52.4 37.8 56.8

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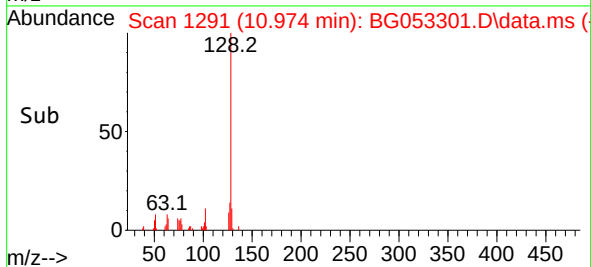
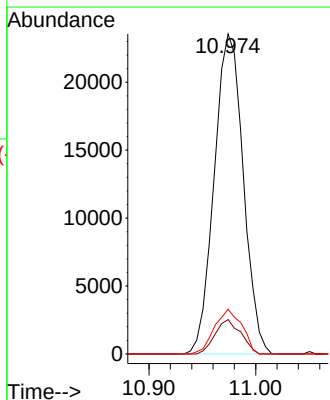
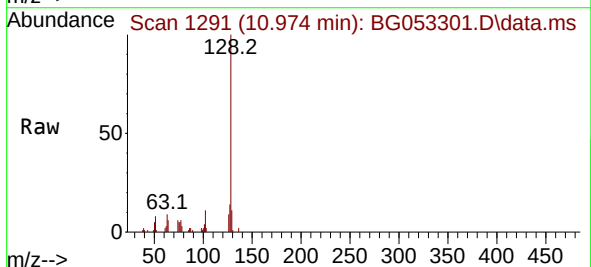
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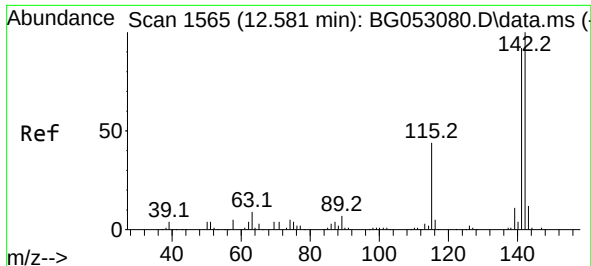
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#31
Naphthalene
Concen: 5.619 ng
RT: 10.974 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

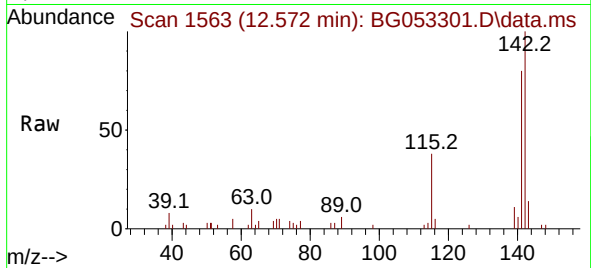
Tgt Ion:128 Resp: 44484
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 14.0 10.5 15.7





#37
2-Methylnaphthalene
Concen: 2.618 ng
RT: 12.572 min Scan# 1563
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

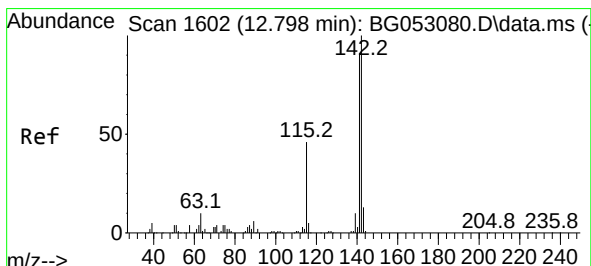
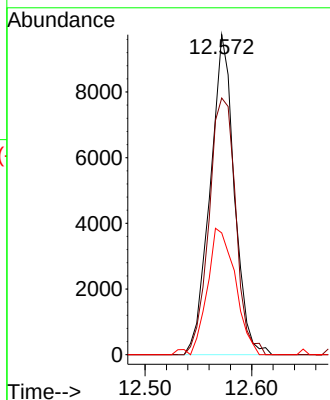
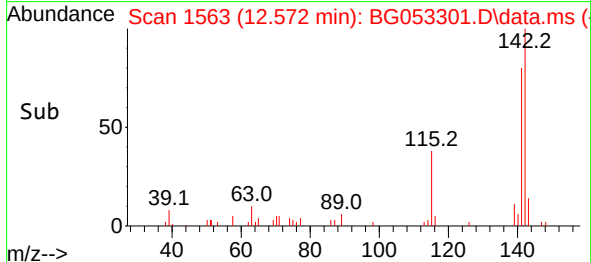
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922



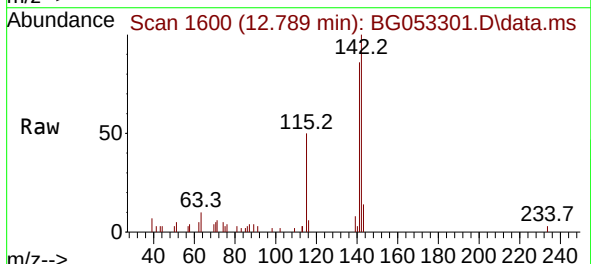
Tgt Ion:142 Resp: 1533
Ion Ratio Lower Upper
142 100
141 80.2 71.3 106.9
115 38.1 29.5 44.3

Manual Integrations
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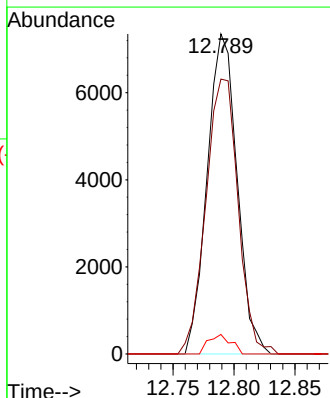
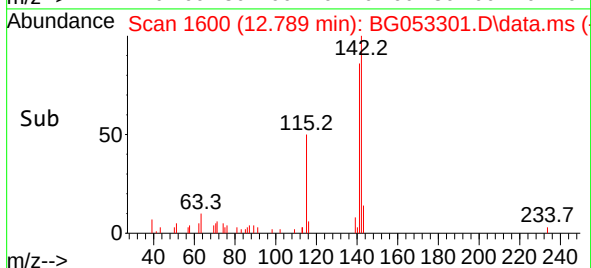
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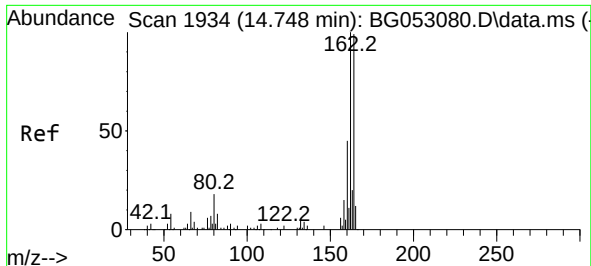


#38
1-Methylnaphthalene
Concen: 2.195 ng
RT: 12.789 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13



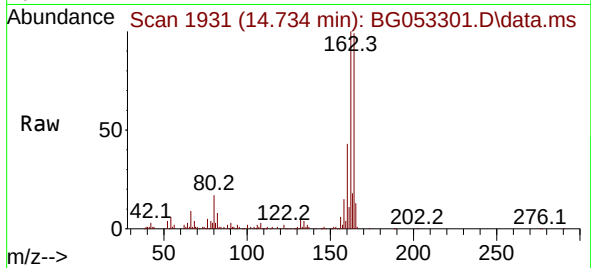
Tgt Ion:142 Resp: 12550
Ion Ratio Lower Upper
142 100
141 85.9 70.5 105.7
116 6.1 3.1 4.7#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.734 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

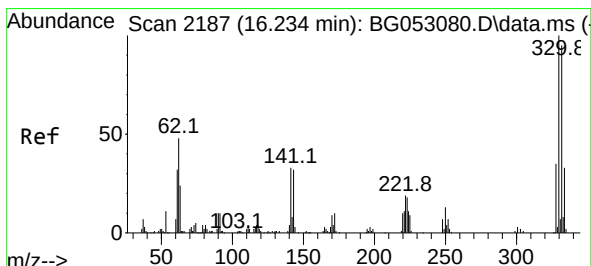
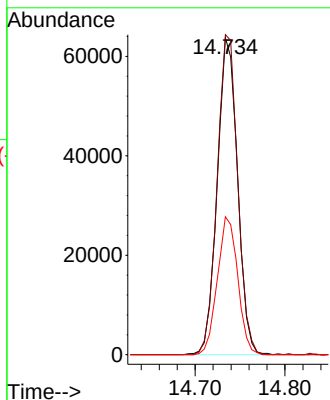
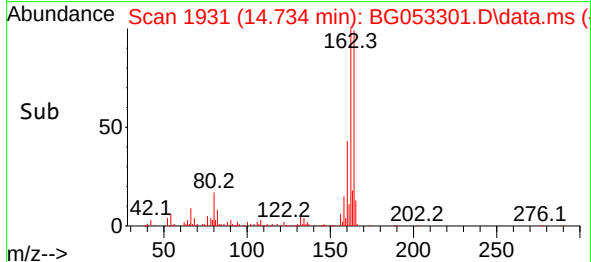
Instrument :
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ClientSampleId :
PAT-02-041922



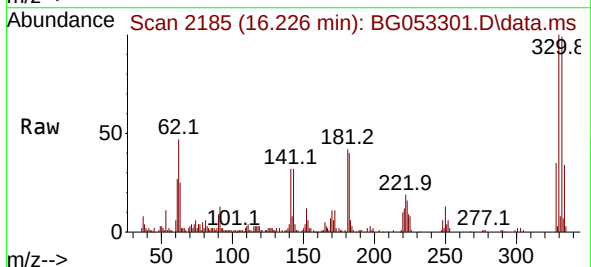
Tgt Ion:164 Resp: 99970
Ion Ratio Lower Upper
164 100
162 101.0 80.0 120.0
160 43.5 38.8 58.2

Manual Integrations
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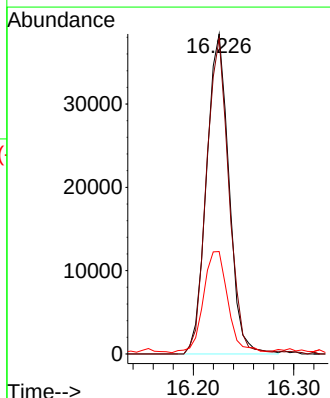
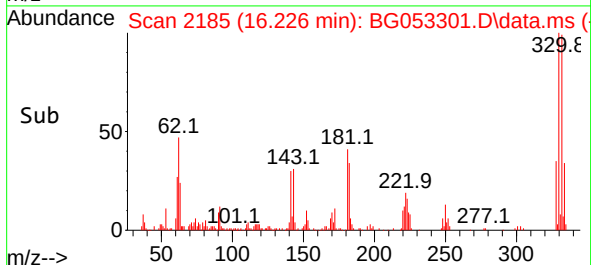
Reviewed By :Christian Giraldo 04/25/2022
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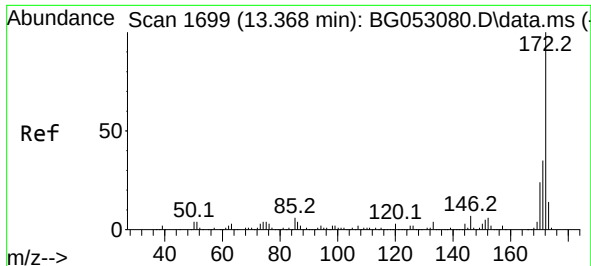


#42
2,4,6-Tribromophenol
Concen: 37.683 ng
RT: 16.226 min Scan# 2185
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13



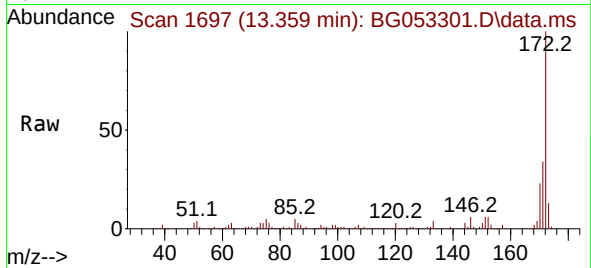
Tgt Ion:330 Resp: 59937
Ion Ratio Lower Upper
330 100
332 97.8 75.8 113.6
141 34.4 24.6 36.8





#45
2-Fluorobiphenyl
Concen: 27.934 ng
RT: 13.359 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

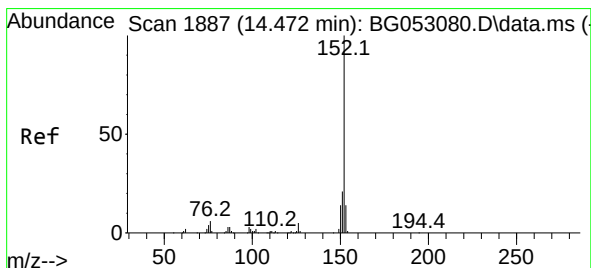
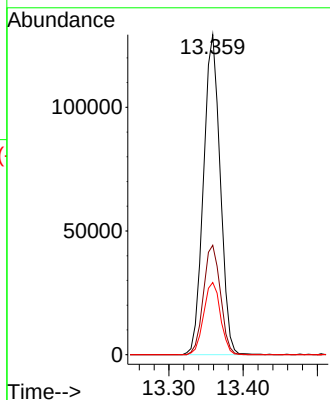
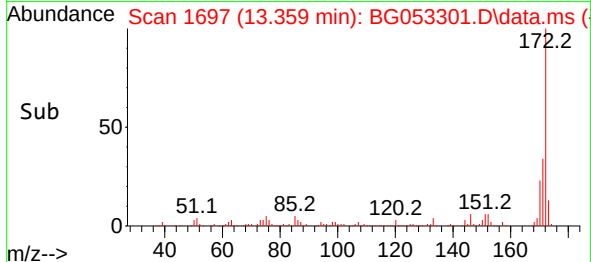
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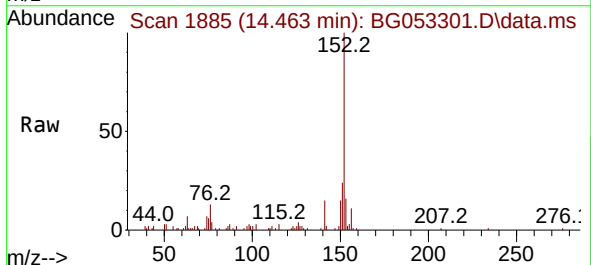
Tgt Ion:172 Resp: 202534
Ion Ratio Lower Upper
172 100
171 34.2 28.3 42.5
170 22.6 18.0 27.0

Manual Integrations
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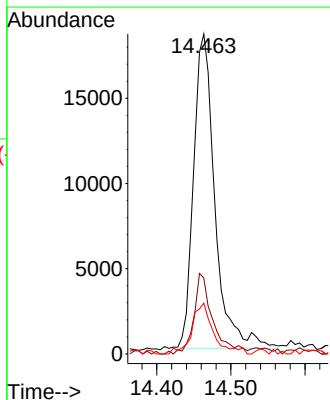
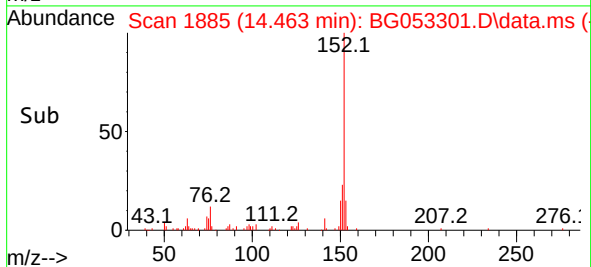
Reviewed By :Christian Giraldo 04/25/2022
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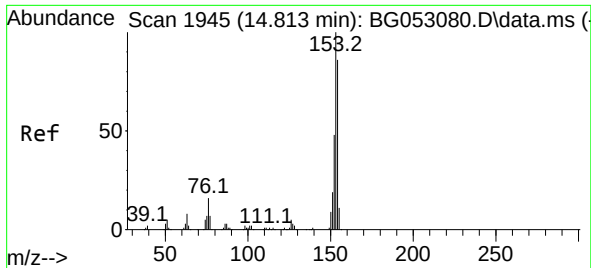


#49
Acenaphthylene
Concen: 4.107 ng m
RT: 14.463 min Scan# 1885
Delta R.T. 0.006 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13



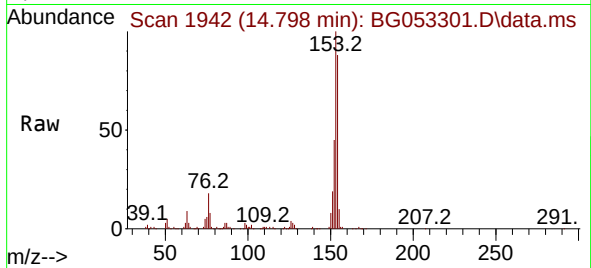
Tgt Ion:152 Resp: 36930
Ion Ratio Lower Upper
152 100
151 23.8 15.8 23.6#
153 15.9 10.6 15.8#





#52
Acenaphthene
Concen: 13.059 ng
RT: 14.798 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

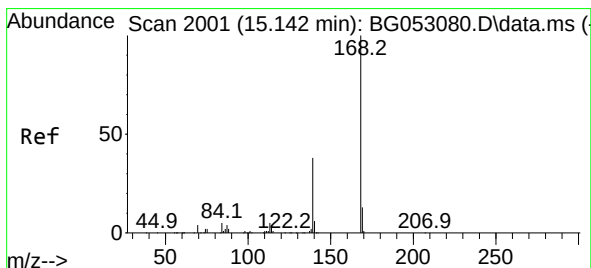
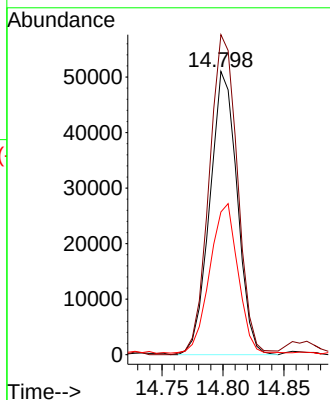
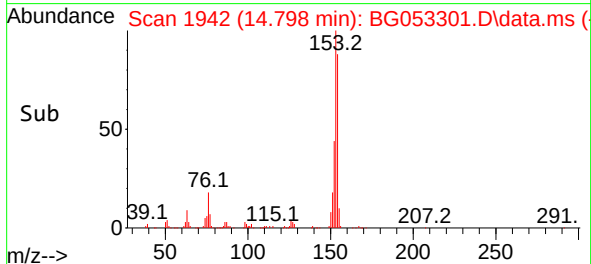
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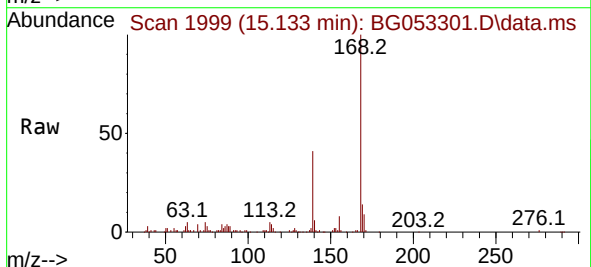
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Ion Ratio Lower Upper
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153 113.0 89.0 133.4
152 50.4 40.5 60.7

Manual Integrations
APPROVED

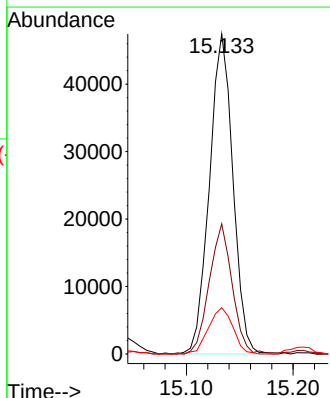
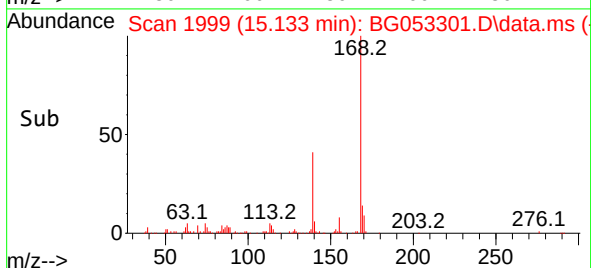
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

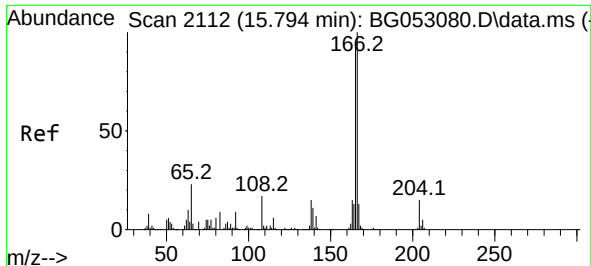


#55
Dibenzofuran
Concen: 7.585 ng
RT: 15.133 min Scan# 1999
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13



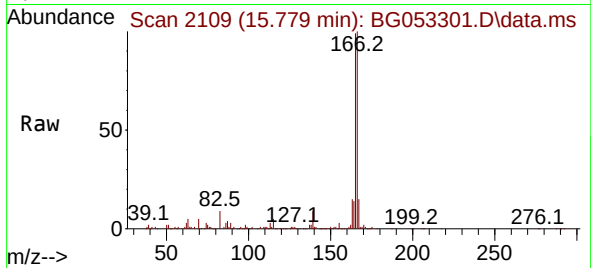
Tgt Ion:168 Resp: 72425
Ion Ratio Lower Upper
168 100
139 40.6 30.2 45.4
169 14.5 10.7 16.1





#58
Fluorene
Concen: 14.772 ng
RT: 15.779 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

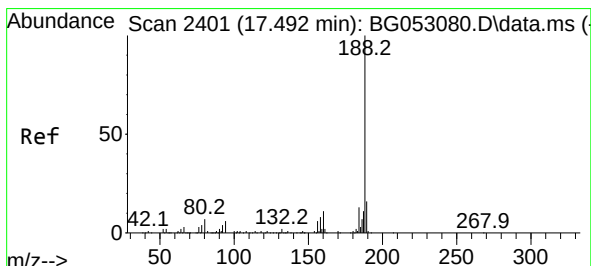
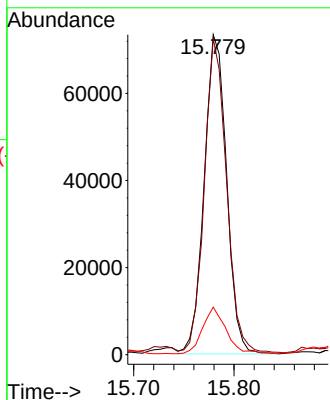
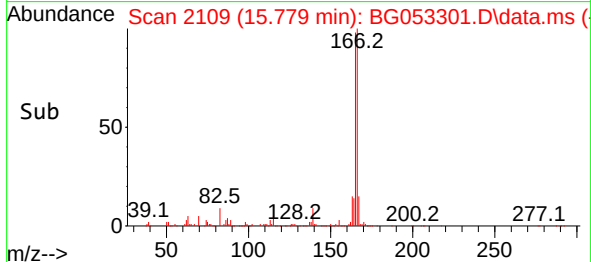
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922



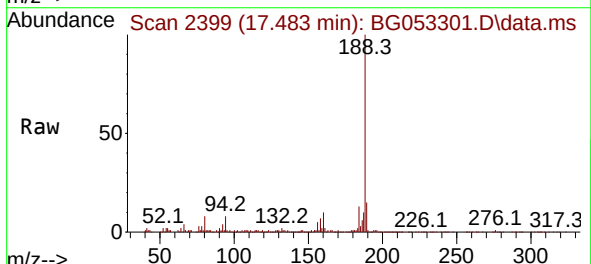
Tgt Ion:166 Resp: 113918
Ion Ratio Lower Upper
166 100
165 98.7 78.6 117.8
167 14.9 10.9 16.3

Manual Integrations
APPROVED

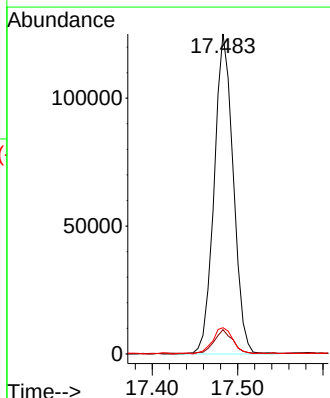
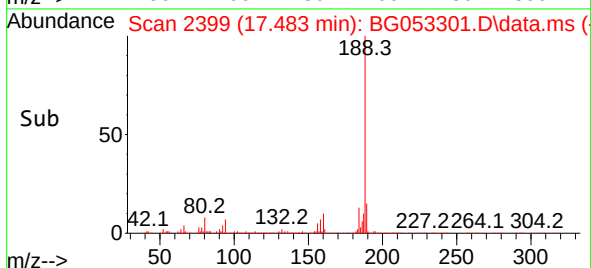
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

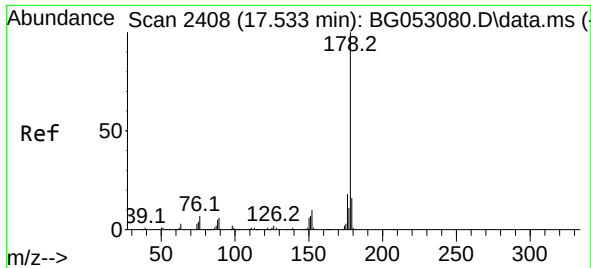


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.483 min Scan# 2399
Delta R.T. -0.000 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13



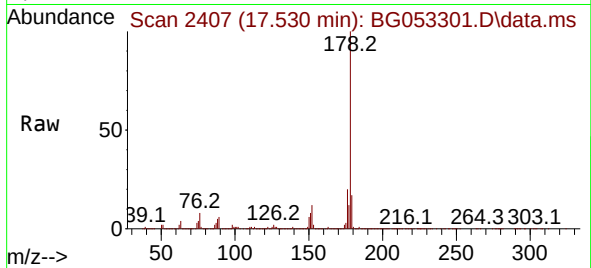
Tgt Ion:188 Resp: 194485
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.2 7.2 10.8





#71
Phenanthrene
Concen: 114.655 ng
RT: 17.530 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

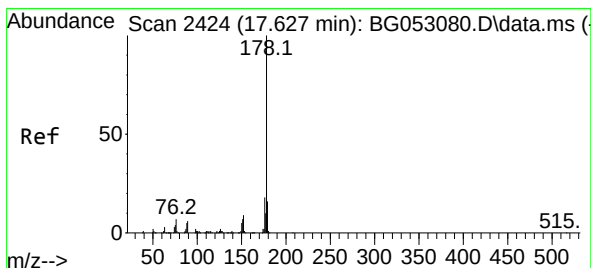
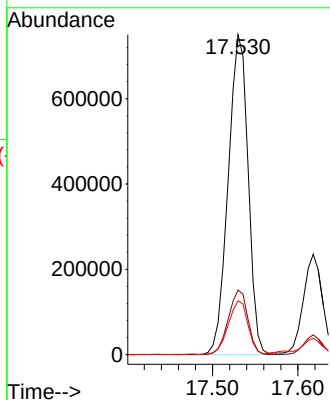
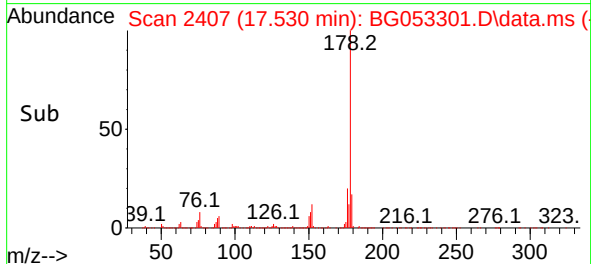
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922



Tgt Ion:178 Resp: 121799
Ion Ratio Lower Upper
178 100
176 20.2 15.9 23.9
179 16.8 13.4 20.2

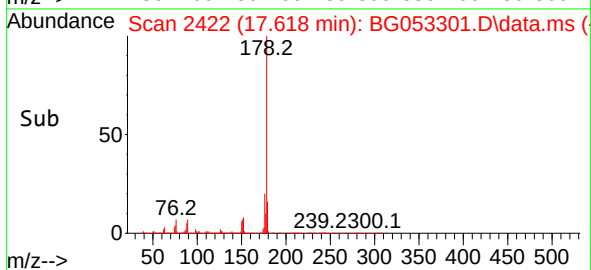
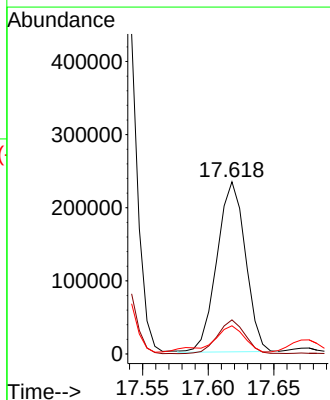
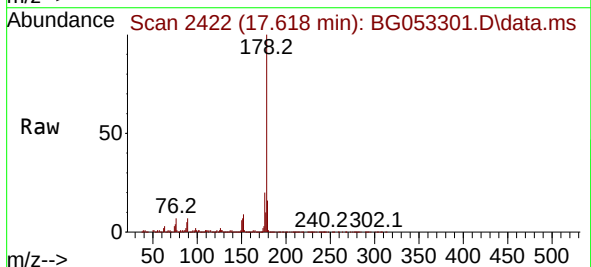
Manual Integrations
APPROVED

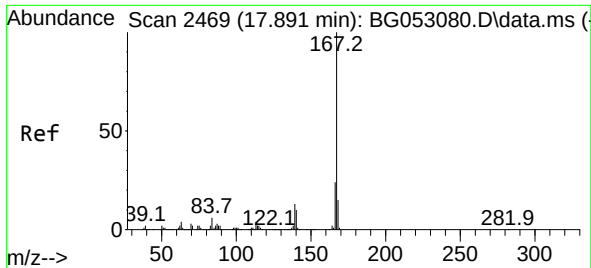
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#72
Anthracene
Concen: 33.414 ng
RT: 17.618 min Scan# 2422
Delta R.T. 0.006 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

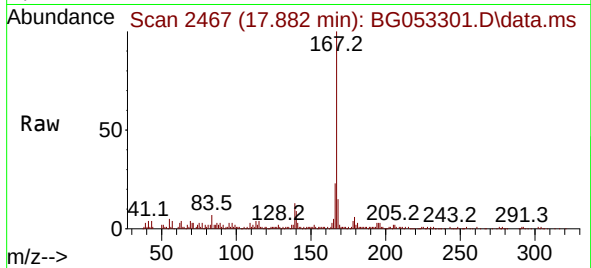
Tgt Ion:178 Resp: 351659
Ion Ratio Lower Upper
178 100
176 19.8 14.7 22.1
179 16.4 13.2 19.8





#73
 Carbazole
 Concen: 9.374 ng
 RT: 17.882 min Scan# 2467
 Delta R.T. -0.000 min
 Lab File: BG053301.D
 Acq: 23 Apr 2022 20:13

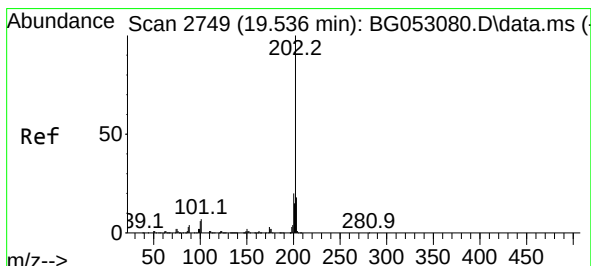
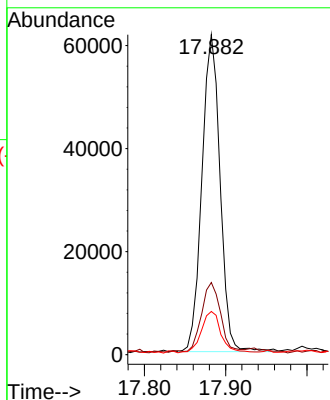
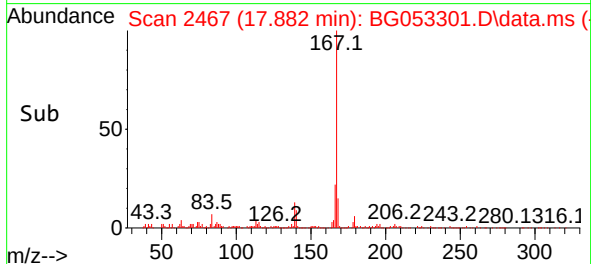
Instrument :
 BNA_G
 ClientSampleId :
 PAT-02-041922



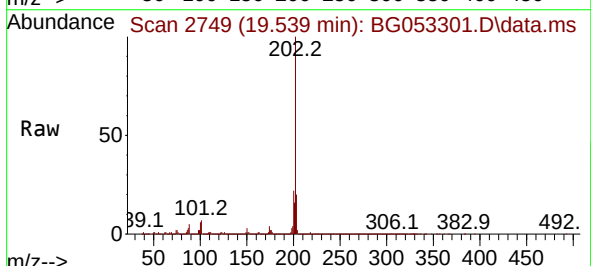
Tgt Ion:167 Resp: 95898
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.5 27.7
 139 13.5 10.0 15.0

Manual Integrations
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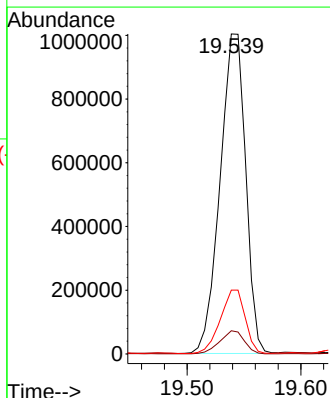
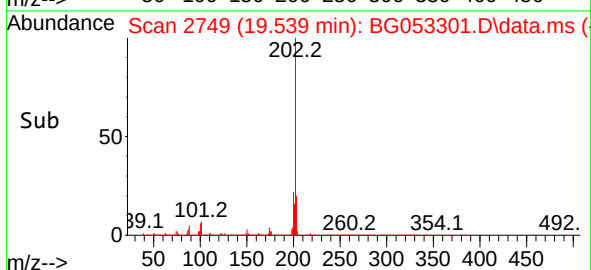
Reviewed By :Christian Giraldo 04/25/2022
 Supervised By :Jagrut Upadhyay 04/25/2022

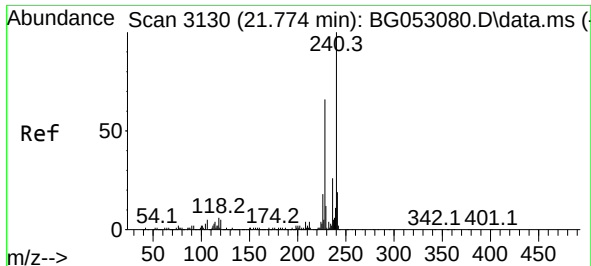


#75
 Fluoranthene
 Concen: 115.227 ng
 RT: 19.539 min Scan# 2749
 Delta R.T. 0.011 min
 Lab File: BG053301.D
 Acq: 23 Apr 2022 20:13



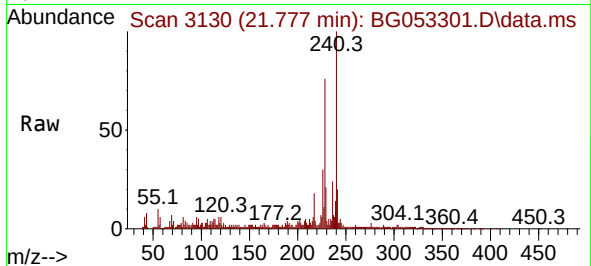
Tgt Ion:202 Resp: 1569049
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 27.3
 203 19.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.777 min Scan# 3130
Delta R.T. 0.011 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

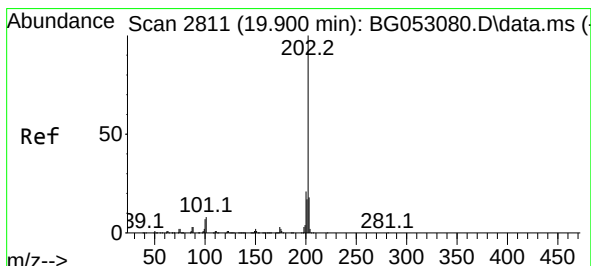
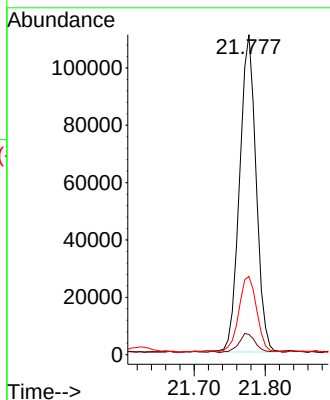
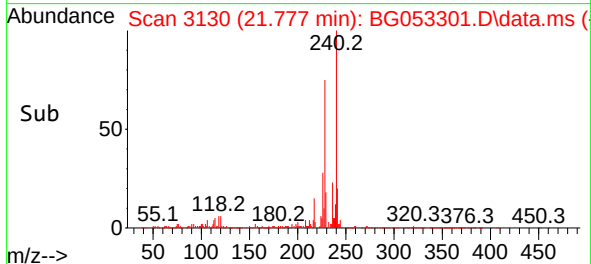
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922



Tgt Ion:240 Resp: 179302
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.0
236 24.5 19.8 29.6

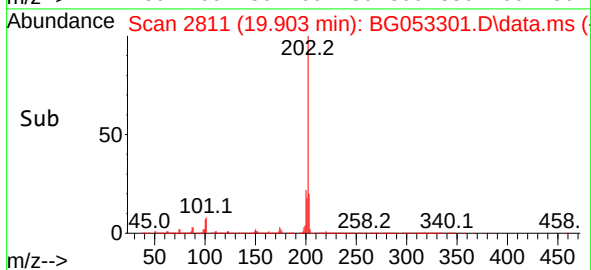
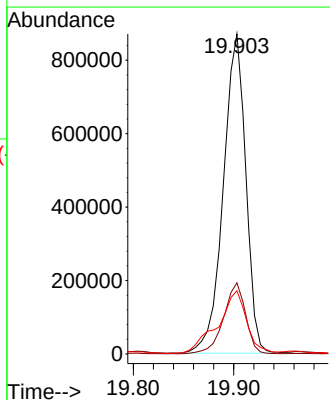
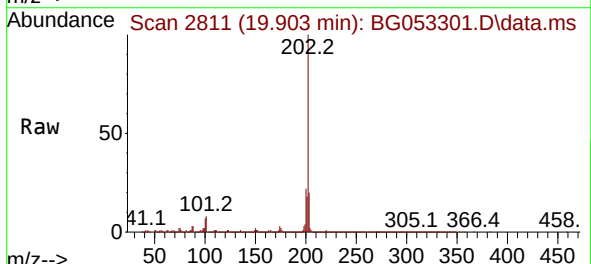
Manual Integrations
APPROVED

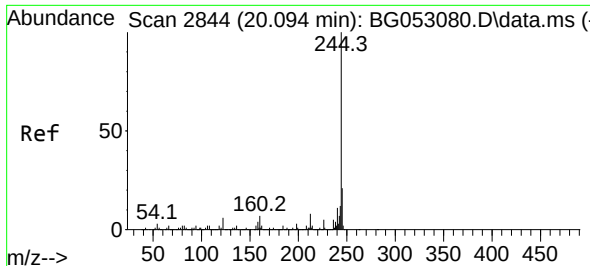
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#78
Pyrene
Concen: 105.769 ng
RT: 19.903 min Scan# 2811
Delta R.T. 0.011 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

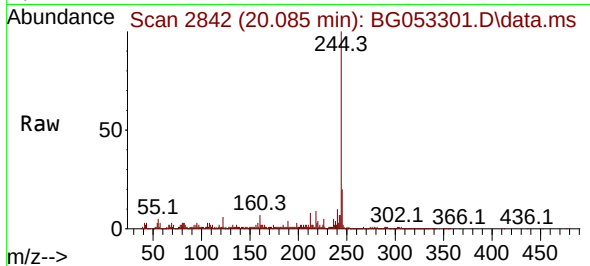
Tgt Ion:202 Resp: 1350656
Ion Ratio Lower Upper
202 100
200 22.2 17.0 25.6
203 19.7 15.0 22.6





#79
 Terphenyl-d14
 Concen: 22.278 ng
 RT: 20.085 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG053301.D
 Acq: 23 Apr 2022 20:13

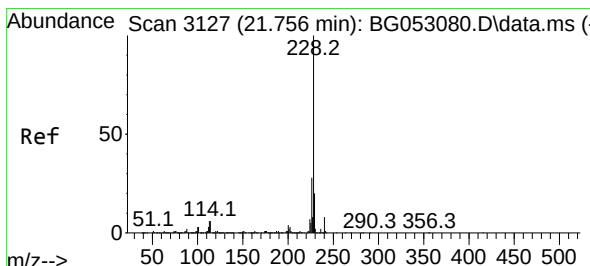
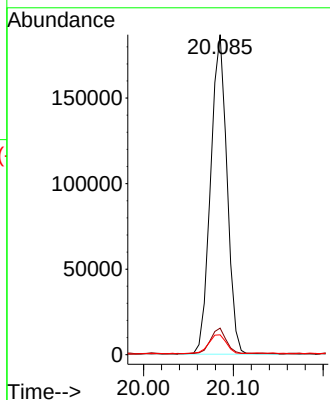
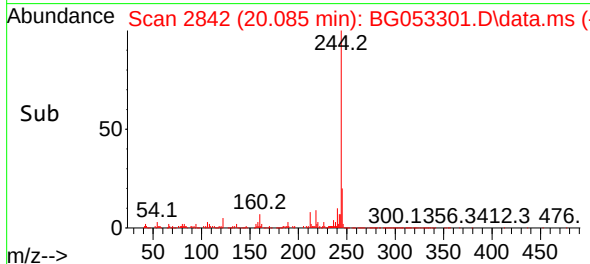
Instrument :
 BNA_G
 ClientSampleId :
 PAT-02-041922



Tgt Ion:244 Resp: 236512
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.4 8.2
 122 6.2 5.8 8.6

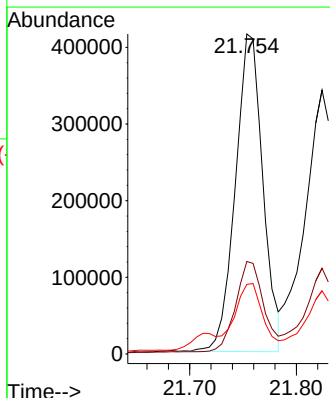
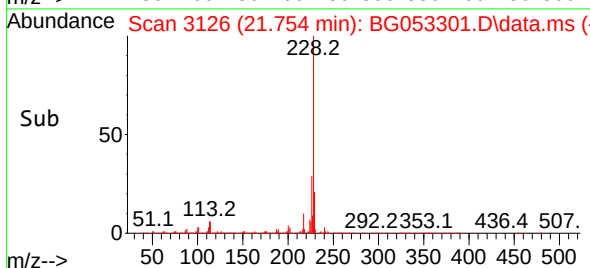
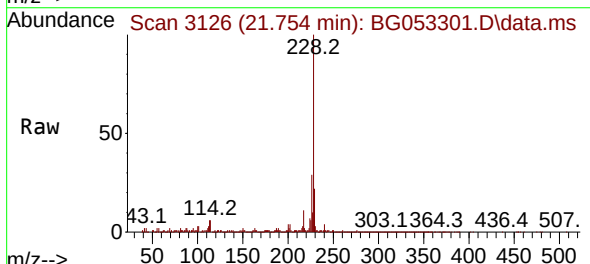
Manual Integrations
 APPROVED

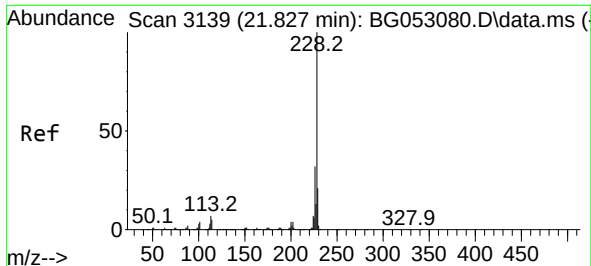
Reviewed By :Christian Giraldo 04/25/2022
 Supervised By :Jagrut Upadhyay 04/25/2022



#81
 Benzo(a)anthracene
 Concen: 60.702 ng
 RT: 21.754 min Scan# 3126
 Delta R.T. 0.006 min
 Lab File: BG053301.D
 Acq: 23 Apr 2022 20:13

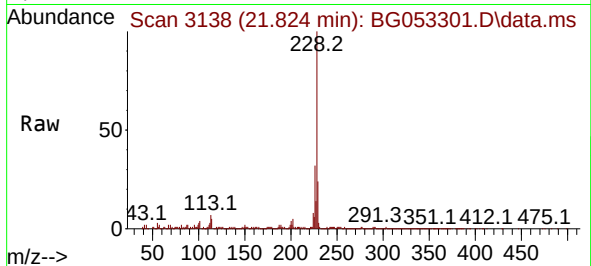
Tgt Ion:228 Resp: 744171
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.4 32.0
 229 21.8 16.7 25.1





#83
Chrysene
Concen: 58.709 ng
RT: 21.824 min Scan# 3139
Delta R.T. 0.011 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

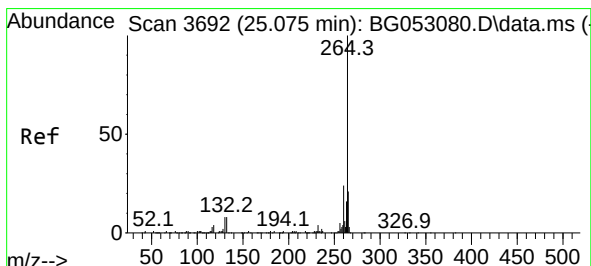
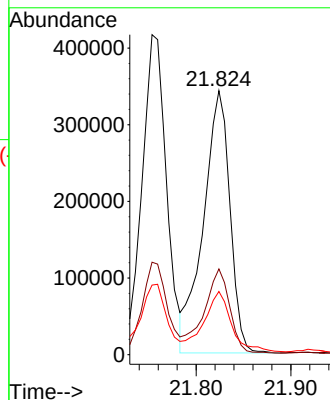
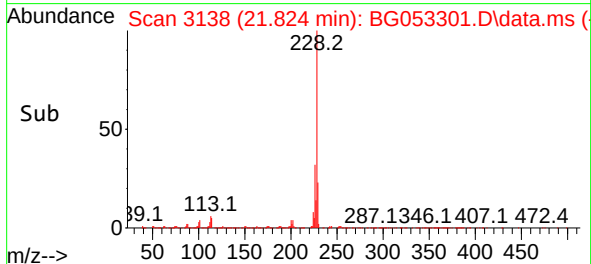
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922



Tgt Ion:228 Resp: 667968
Ion Ratio Lower Upper
228 100
226 32.5 24.2 36.4
229 24.0 16.3 24.5

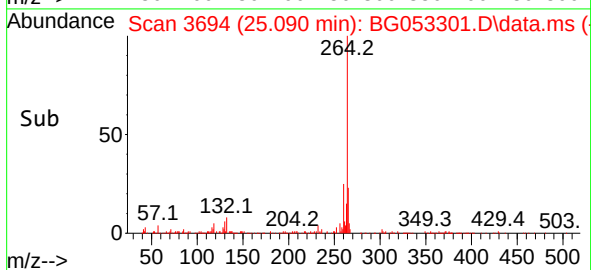
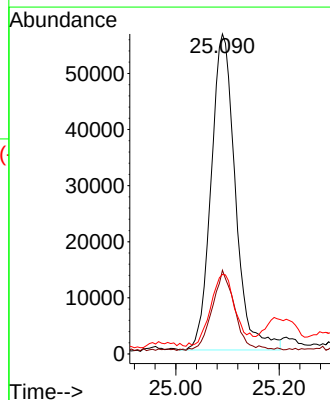
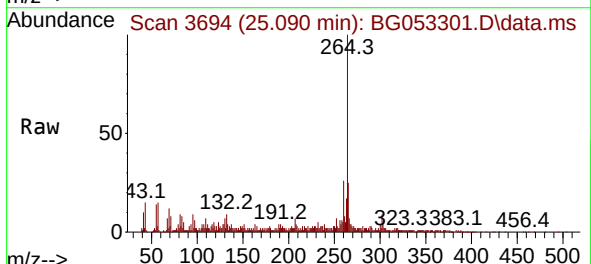
Manual Integrations
APPROVED

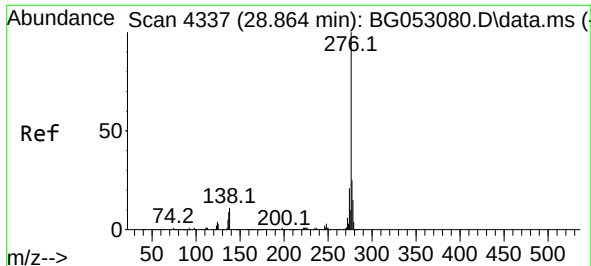
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.090 min Scan# 3694
Delta R.T. 0.029 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

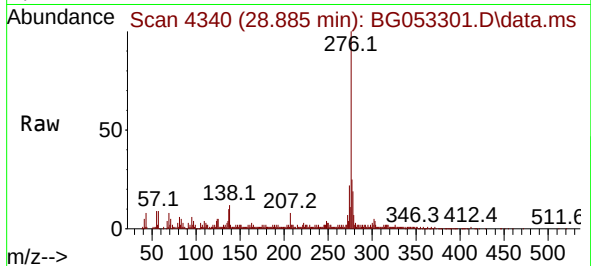
Tgt Ion:264 Resp: 183108
Ion Ratio Lower Upper
264 100
260 26.1 18.2 27.2
265 24.9 15.1 22.7#





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.745 ng
RT: 28.885 min Scan# 4337
Delta R.T. 0.035 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

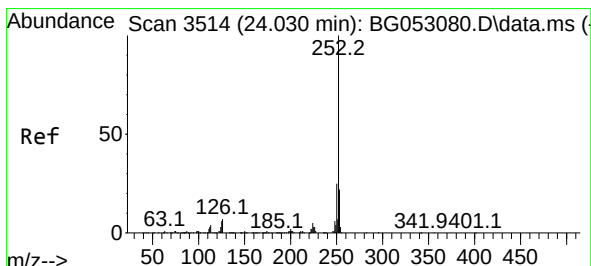
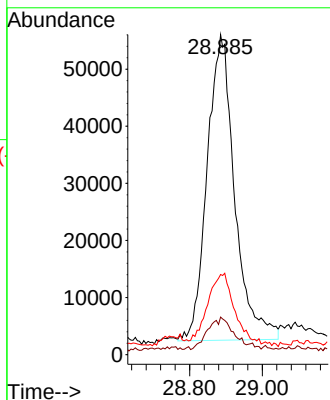
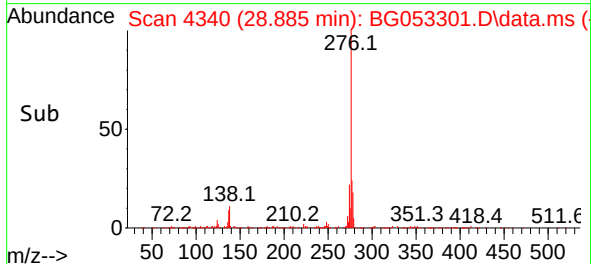
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922



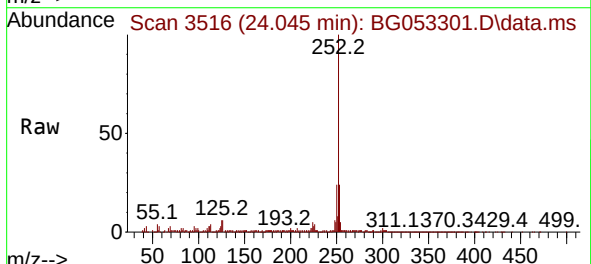
Tgt Ion: 276 Resp: 282218
Ion Ratio Lower Upper
276 100
138 9.6 8.7 13.1
277 22.2 20.2 30.4

Manual Integrations
APPROVED

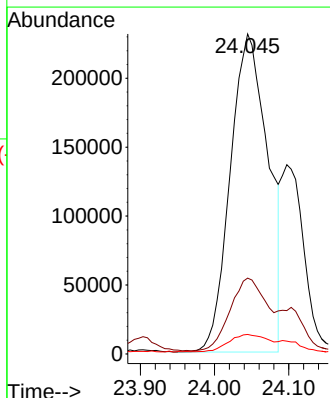
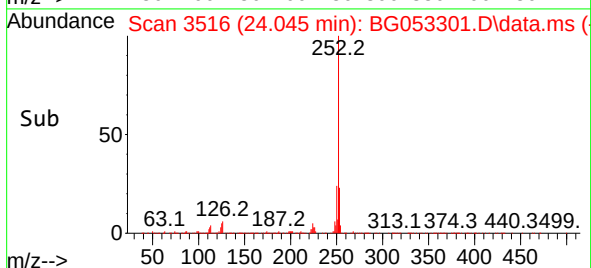
Reviewed By : Christian Giraldo 04/25/2022
Supervised By : Jagrut Upadhyay 04/25/2022

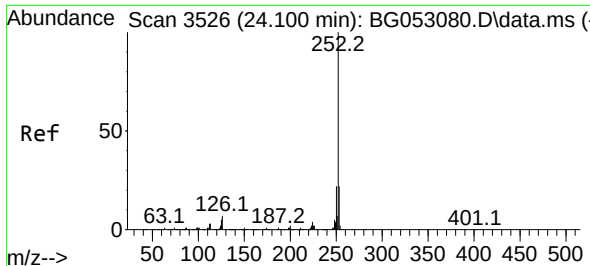


#88
Benzo(b)fluoranthene
Concen: 70.750 ng
RT: 24.045 min Scan# 3516
Delta R.T. 0.023 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13



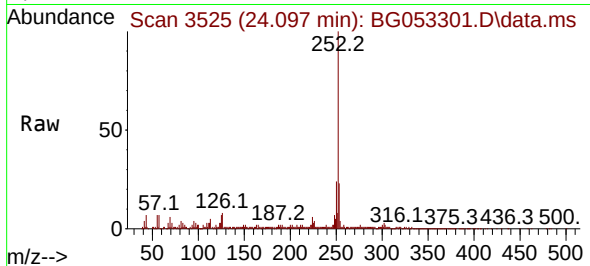
Tgt Ion: 252 Resp: 817376
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 6.1 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 25.018 ng m
RT: 24.097 min Scan# 3526
Delta R.T. 0.011 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

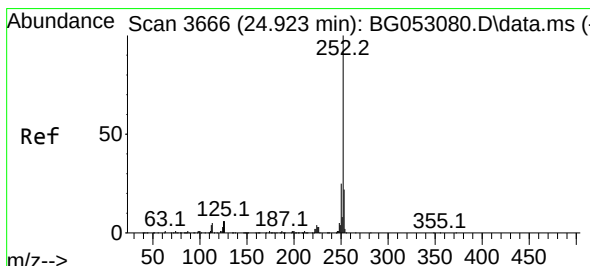
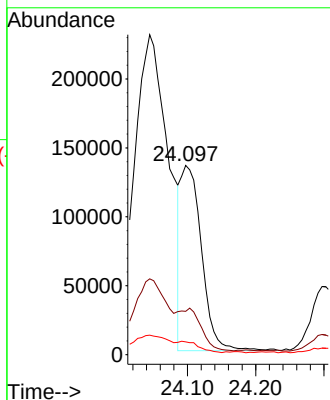
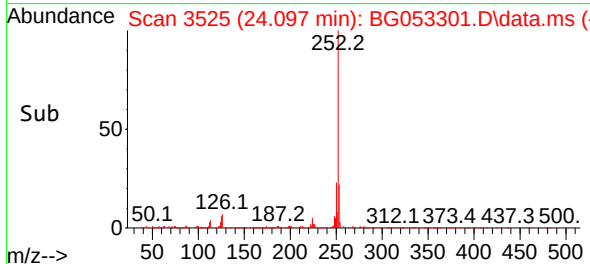
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922



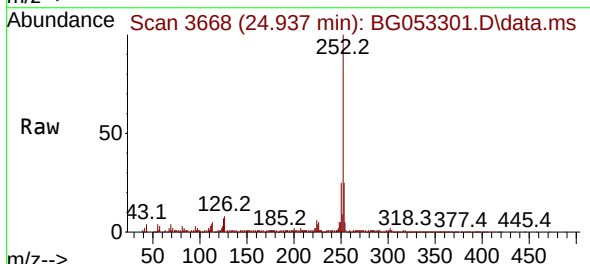
Tgt Ion:252 Resp: 284072
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 6.8 5.0 7.4

Manual Integrations
APPROVED

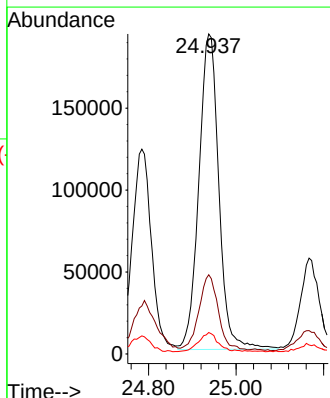
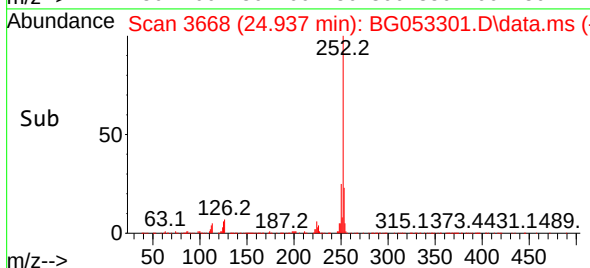
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

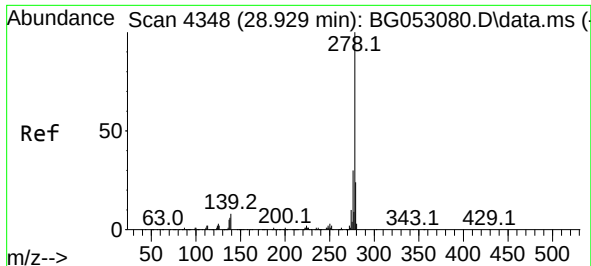


#90
Benzo(a)pyrene
Concen: 62.098 ng
RT: 24.937 min Scan# 3668
Delta R.T. 0.023 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13



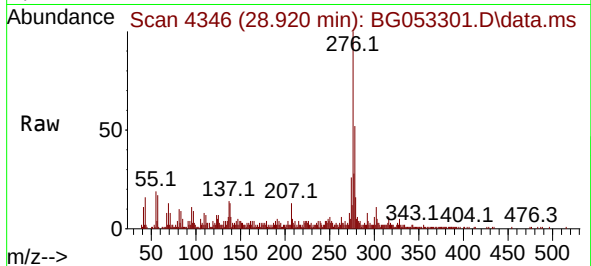
Tgt Ion:252 Resp: 611183
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 6.7 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 6.667 ng m
RT: 28.920 min Scan# 41
Delta R.T. 0.017 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

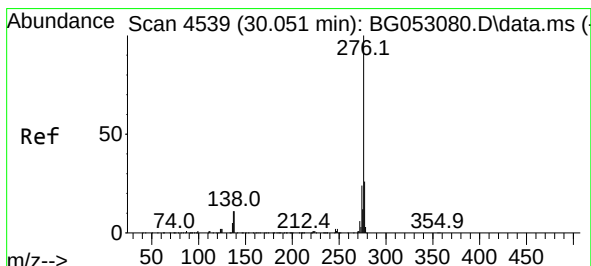
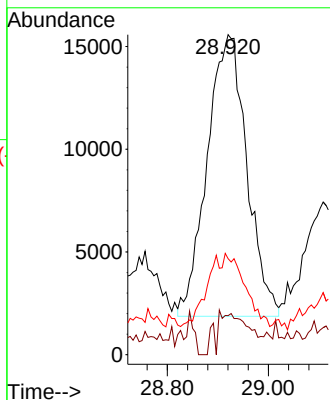
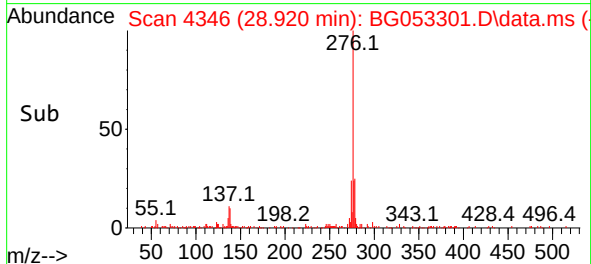
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922



Tgt Ion:278 Resp: 74654
Ion Ratio Lower Upper
278 100
139 12.2 7.8 11.6
279 30.0 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#92
Benzo(g,h,i)perylene
Concen: 22.279 ng
RT: 30.078 min Scan# 4543
Delta R.T. 0.041 min
Lab File: BG053301.D
Acq: 23 Apr 2022 20:13

Tgt Ion:276 Resp: 245870
Ion Ratio Lower Upper
276 100
277 24.4 18.2 27.2
138 11.6 9.1 13.7

