

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081422\
 Data File : BG054639.D
 Acq On : 14 Aug 2022 19:25
 Operator : CG/JU
 Sample : N4152-03DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-081022DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/18/2022

Quant Time: Aug 15 04:21:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 13 00:32:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.965	152	27383	20.000	ng	0.00
21) Naphthalene-d8	10.773	136	107098	20.000	ng	# 0.00
39) Acenaphthene-d10	14.604	164	78949	20.000	ng	0.00
64) Phenanthrene-d10	17.354	188	193221	20.000	ng	# 0.00
76) Chrysene-d12	21.620	240	213377	20.000	ng	# 0.00
86) Perylene-d12	24.822	264	229985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	7732	5.895	ng	0.00
7) Phenol-d6	7.178	99	10300	5.731	ng	0.00
23) Nitrobenzene-d5	9.140	82	6696	3.405	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	6863	4.140	ng	0.00
45) 2-Fluorobiphenyl	13.224	172	22213	3.969	ng	0.00
79) Terphenyl-d14	19.957	244	46404	4.314	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.820	128	75878	14.114	ng	98
37) 2-Methylnaphthalene	12.430	142	23027	5.578	ng	92
38) 1-Methylnaphthalene	12.654	142	12571	3.125	ng	95
52) Acenaphthene	14.669	154	29090	7.152	ng	97
55) Dibenzofuran	15.004	168	49241	6.804	ng	98
58) Fluorene	15.656	166	61701	10.370	ng	91
71) Phenanthrene	17.395	178	396043	41.159	ng	97
72) Anthracene	17.489	178	108793	11.522	ng	97
73) Carbazole	17.765	167	37154	4.779	ng	# 95
75) Fluoranthene	19.410	202	406377	30.981	ng	96
78) Pyrene	19.775	202	317027	25.894	ng	96
81) Benzo(a)anthracene	21.602	228	201329	14.864	ng	99
83) Chrysene	21.667	228	154157m	12.046	ng	
87) Indeno(1,2,3-cd)pyrene	28.500	276	99096	5.664	ng	# 98
88) Benzo(b)fluoranthene	23.805	252	208479	15.328	ng	98
89) Benzo(k)fluoranthene	23.864	252	67689m	5.001	ng	
90) Benzo(a)pyrene	24.675	252	156632	13.485	ng	97
91) Dibenzo(a,h)anthracene	28.511	278	28865	2.006	ng	# 90
92) Benzo(g,h,i)perylene	29.651	276	90496	6.373	ng	# 92

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

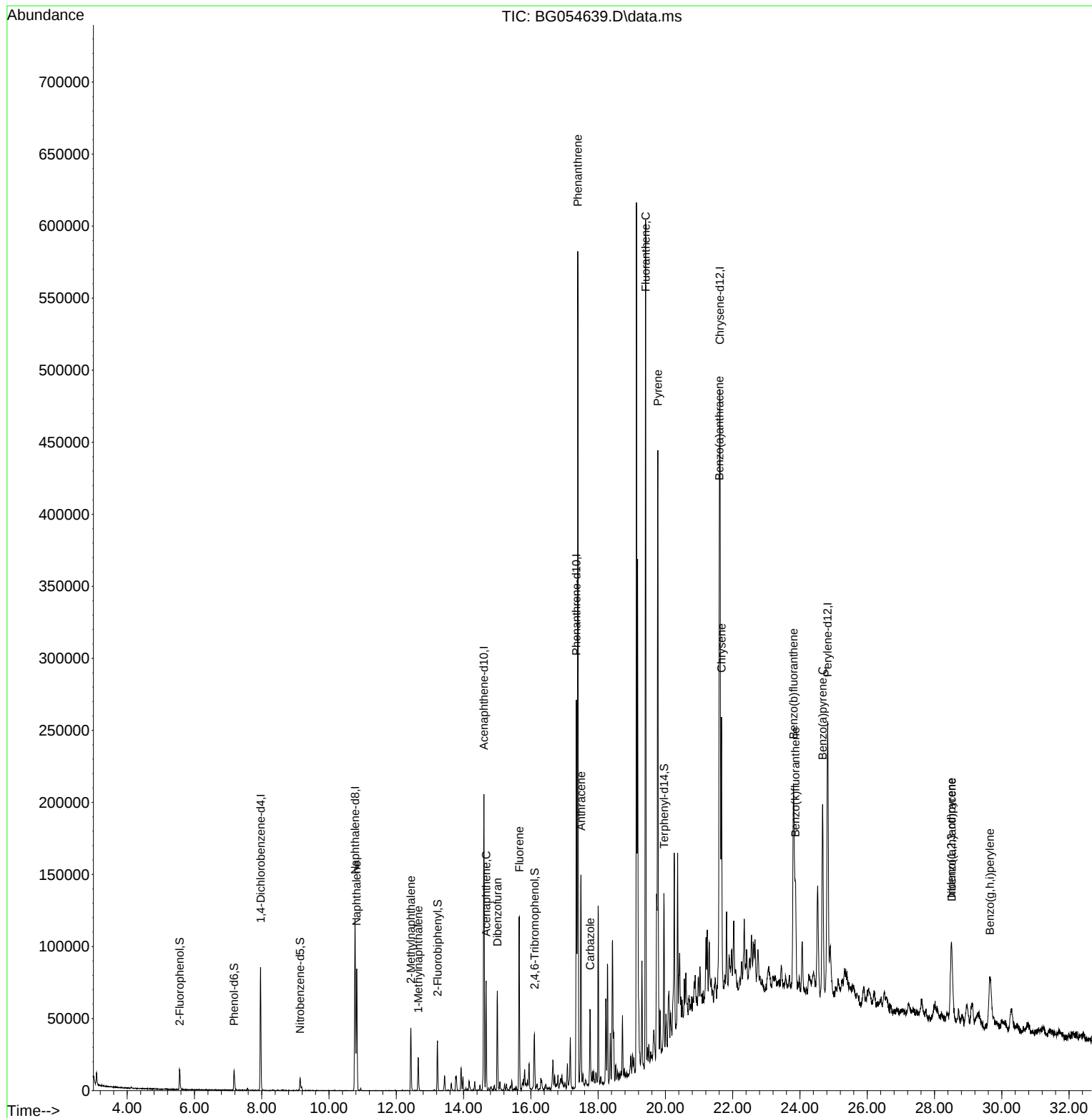
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081422\
Data File : BG054639.D
Acq On : 14 Aug 2022 19:25
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Sample : N4152-03DL 10X
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ALS Vial : 10 Sample Multiplier: 1

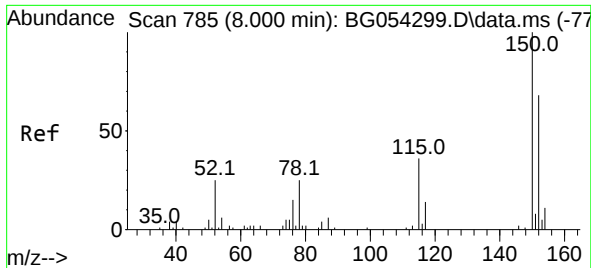
Instrument :
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Quant Time: Aug 15 04:21:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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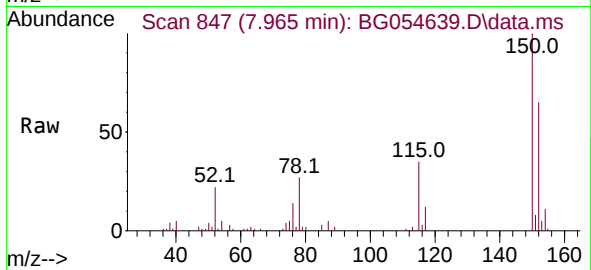
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.965 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Instrument :

BNA_G

ClientSampleId :

EO-03-081022DL

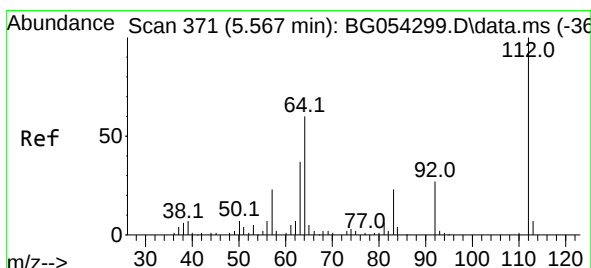
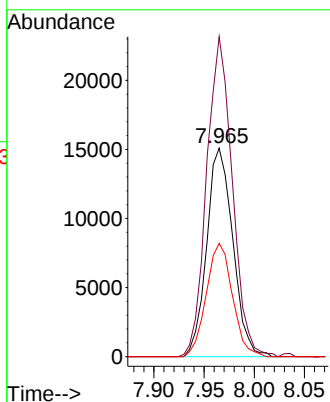
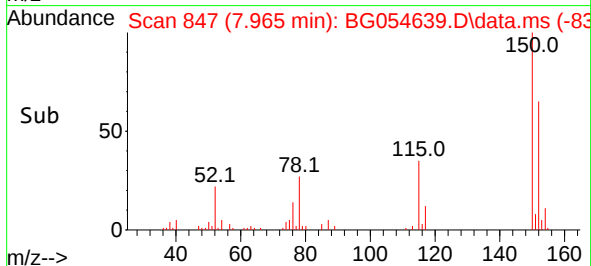


Tgt Ion:152 Resp: 2738
Ion Ratio Lower Upper
152 100
150 153.5 131.6 197.4
115 54.3 50.9 76.3

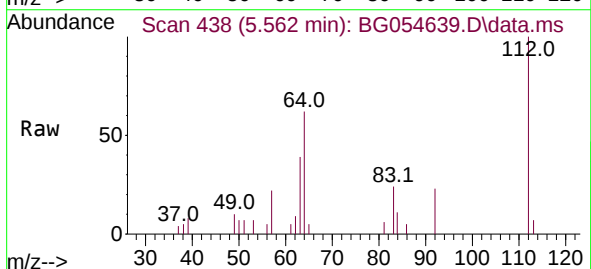
Manual Integrations

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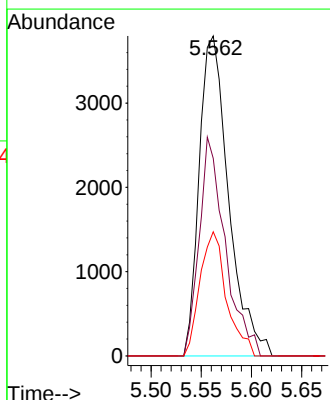
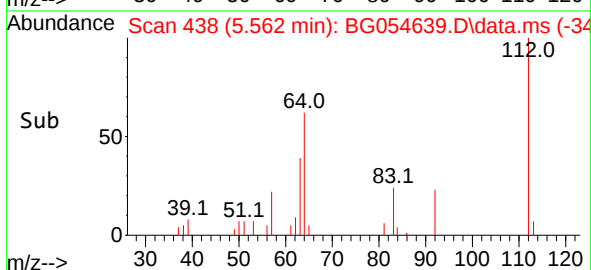
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022

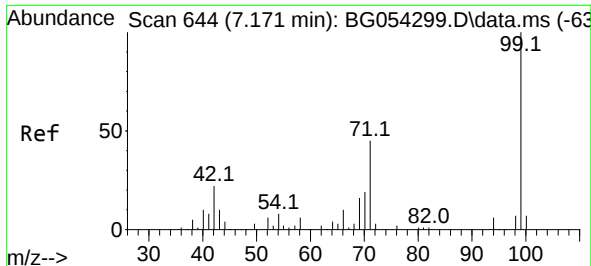


#5
2-Fluorophenol
Concen: 5.895 ng
RT: 5.562 min Scan# 438
Delta R.T. 0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25



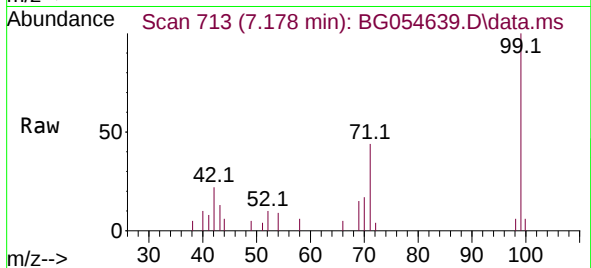
Tgt Ion:112 Resp: 7732
Ion Ratio Lower Upper
112 100
64 61.7 55.1 82.7
63 38.8 30.4 45.6





#7
Phenol-d6
Concen: 5.731 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

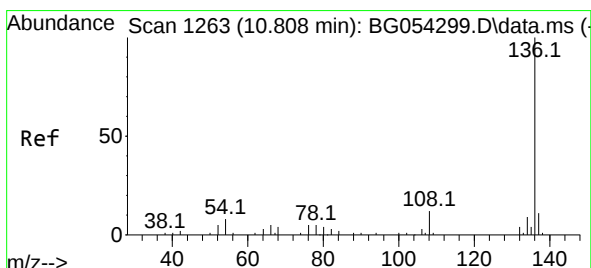
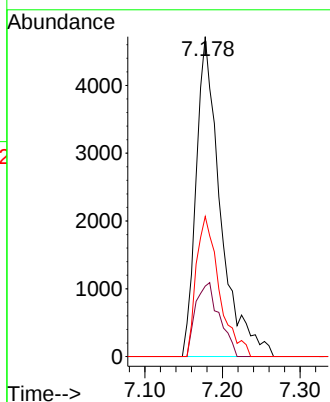
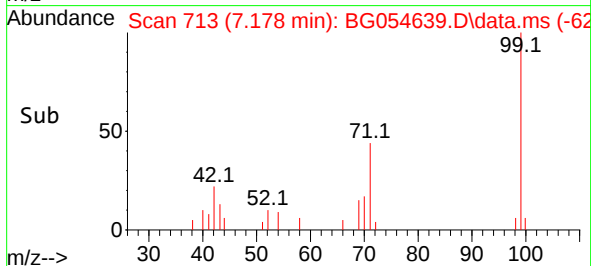
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL



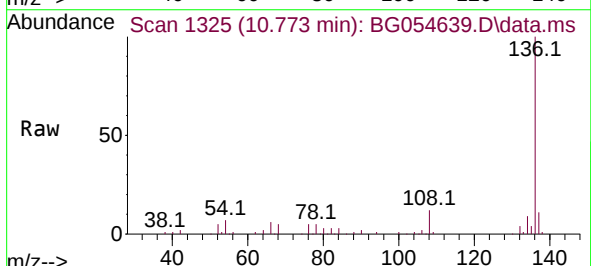
Tgt Ion: 99 Resp: 10300
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 43.8 33.8 50.8

Manual Integrations
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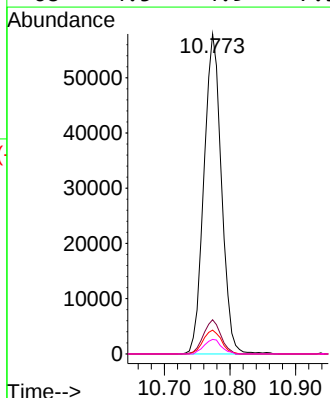
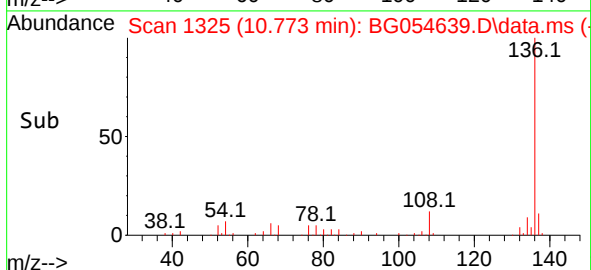
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.773 min Scan# 1325
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25



Tgt Ion:136 Resp: 107098
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.4 7.4 11.2#
68 4.5 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 3.405 ng
RT: 9.140 min Scan# 1047
Delta R.T. 0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Instrument :

BNA_G

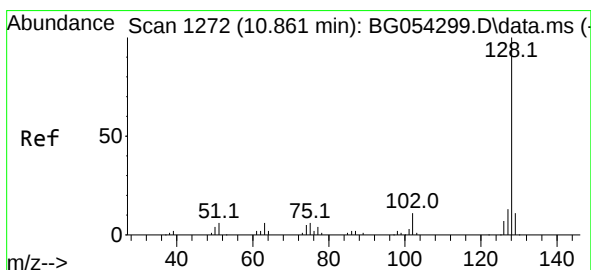
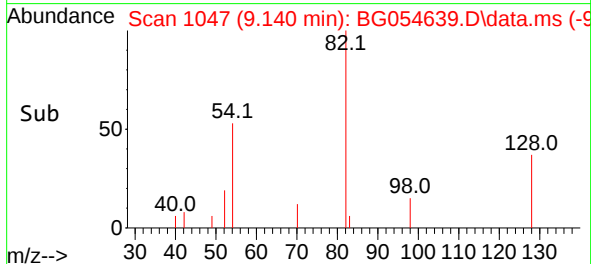
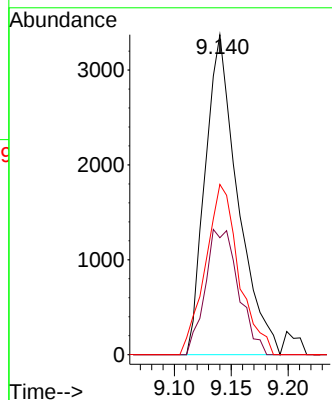
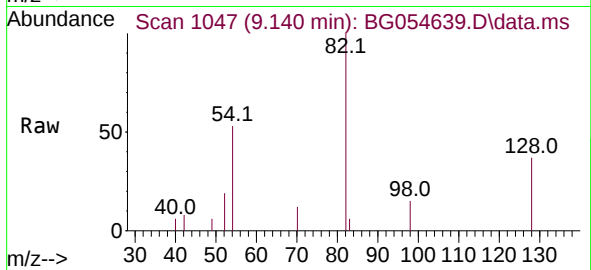
ClientSampleId :

EO-03-081022DL

Tgt Ion: 82 Resp: 6696
Ion Ratio Lower Upper
82 100
128 36.5 27.9 41.9
54 53.2 41.2 61.8

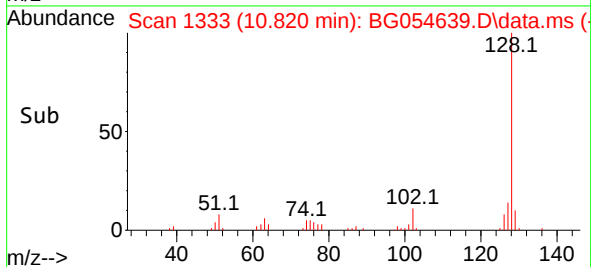
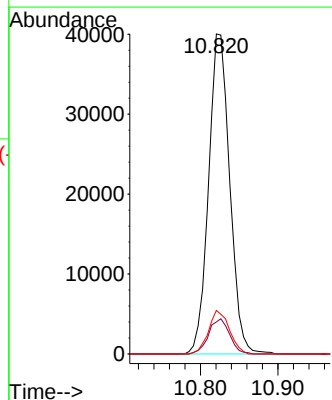
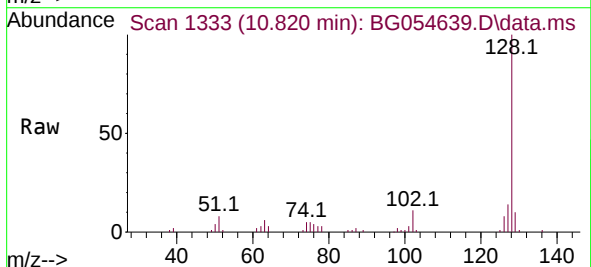
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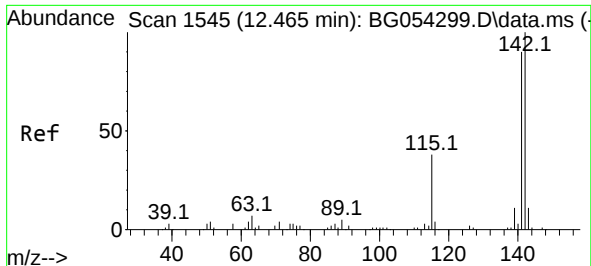
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022



#31
Naphthalene
Concen: 14.114 ng
RT: 10.820 min Scan# 1333
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:128 Resp: 75878
Ion Ratio Lower Upper
128 100
129 10.0 9.0 13.6
127 13.6 11.1 16.7





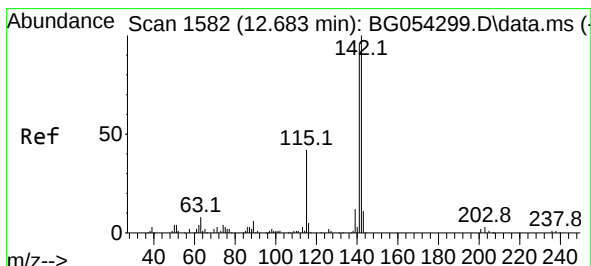
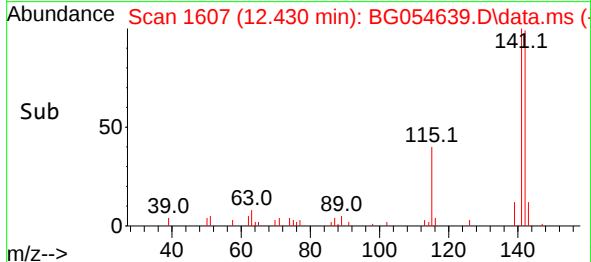
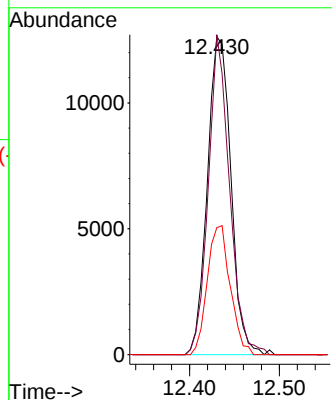
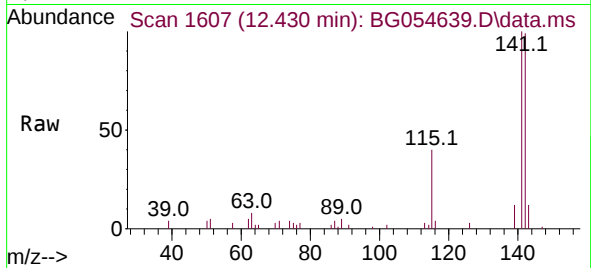
#37
2-Methylnaphthalene
Concen: 5.578 ng
RT: 12.430 min Scan# 1607
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

Tgt Ion:142 Resp: 2302
Ion Ratio Lower Upper
142 100
141 100.6 72.3 108.5
115 39.9 33.7 50.5

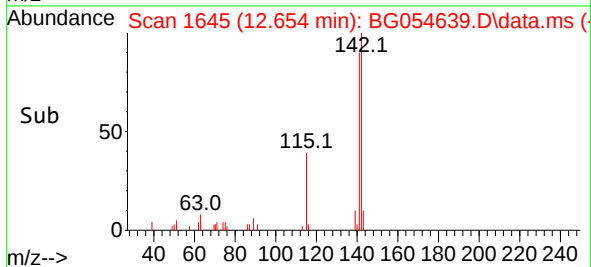
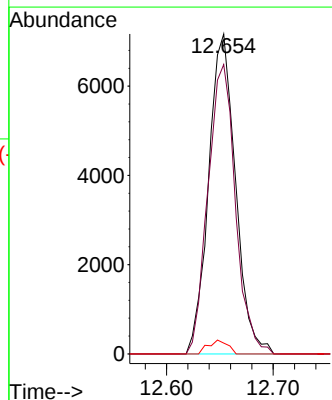
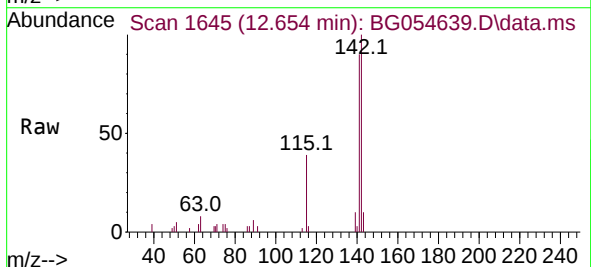
Manual Integrations
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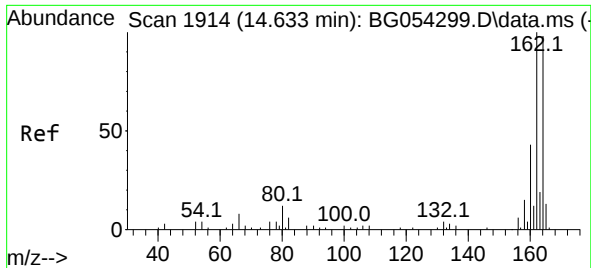
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022



#38
1-Methylnaphthalene
Concen: 3.125 ng
RT: 12.654 min Scan# 1645
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

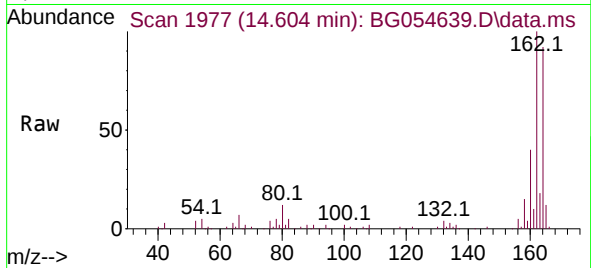
Tgt Ion:142 Resp: 12571
Ion Ratio Lower Upper
142 100
141 90.4 76.4 114.6
116 3.4 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1914
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

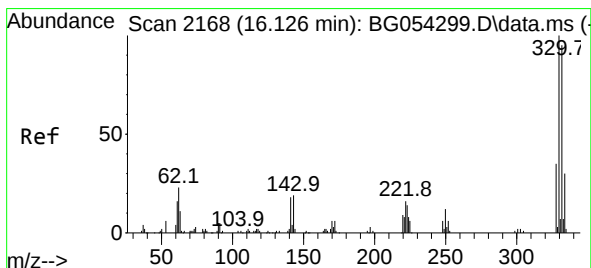
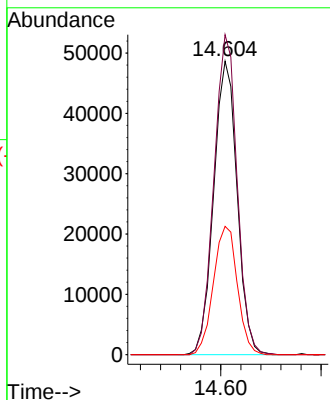
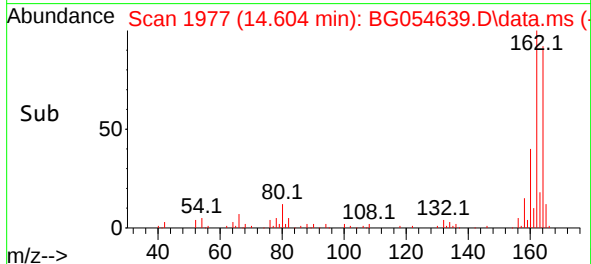
Instrument :
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EO-03-081022DL



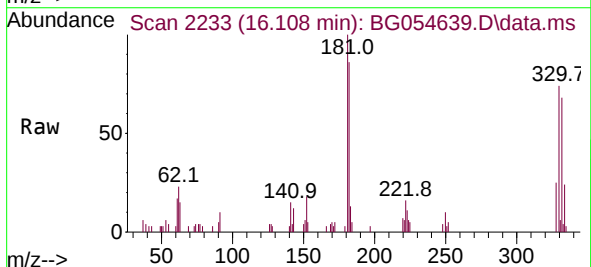
Tgt Ion:164 Resp: 78949
Ion Ratio Lower Upper
164 100
162 109.1 82.3 123.5
160 43.7 34.2 51.2

Manual Integrations
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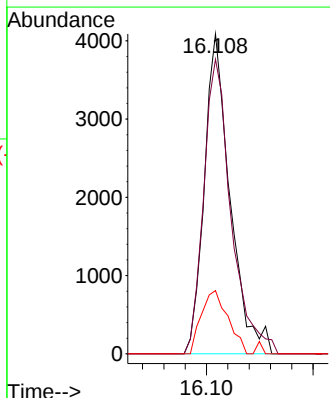
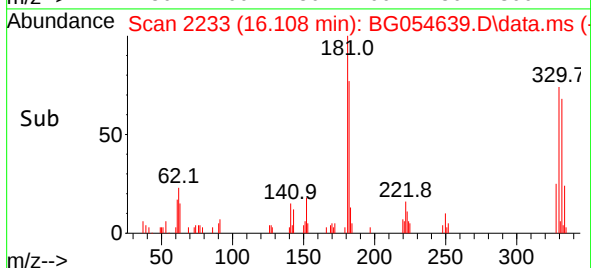
Reviewed By :Jagrut Upadhyay 08/15/2022
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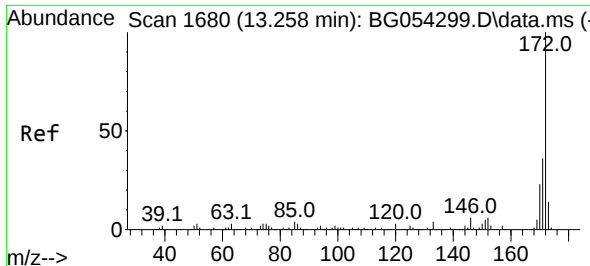


#42
2,4,6-Tribromophenol
Concen: 4.140 ng
RT: 16.108 min Scan# 2233
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25



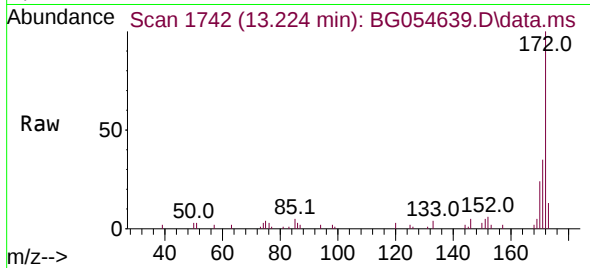
Tgt Ion:330 Resp: 6863
Ion Ratio Lower Upper
330 100
332 98.3 76.0 114.0
141 20.5 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 3.969 ng
RT: 13.224 min Scan# 1742
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

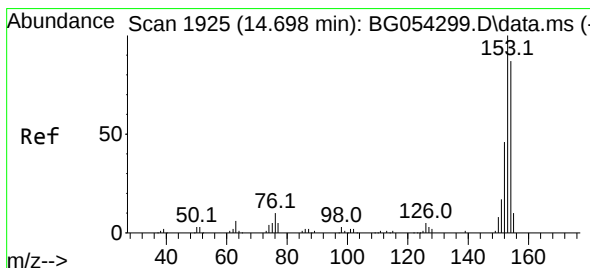
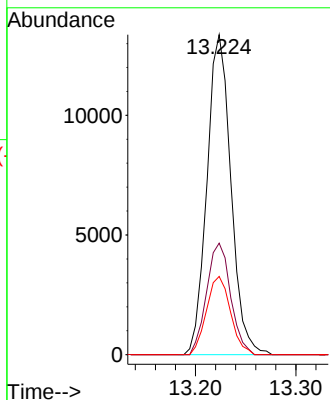
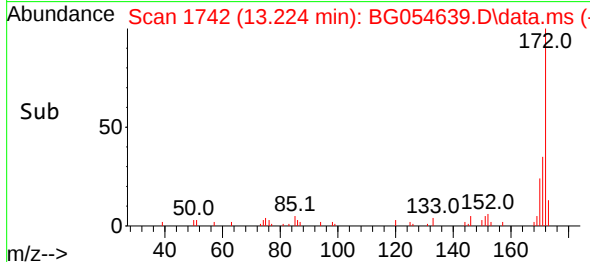
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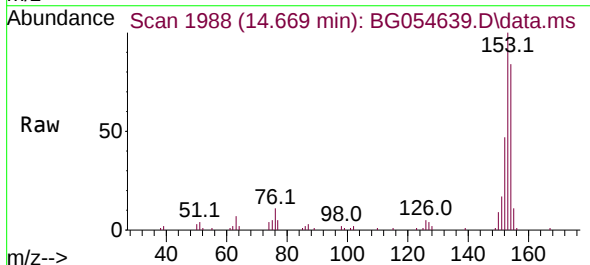
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Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 24.4 18.9 28.3

Manual Integrations
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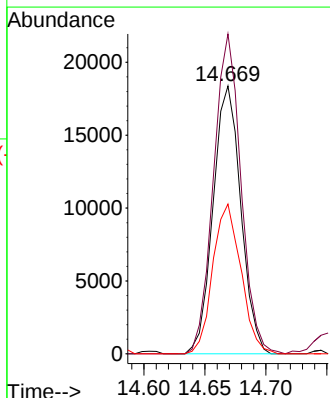
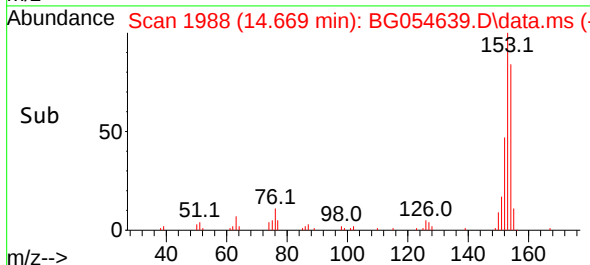
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022

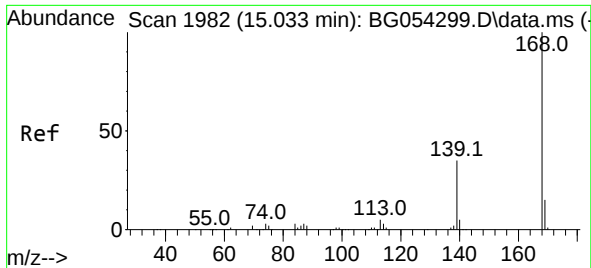


#52
Acenaphthene
Concen: 7.152 ng
RT: 14.669 min Scan# 1988
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25



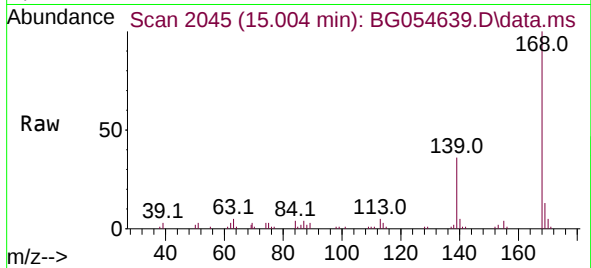
Tgt Ion:154 Resp: 29090
Ion Ratio Lower Upper
154 100
153 119.4 92.7 139.1
152 55.9 42.6 64.0





#55
Dibenzenofuran
Concen: 6.804 ng
RT: 15.004 min Scan# 2045
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

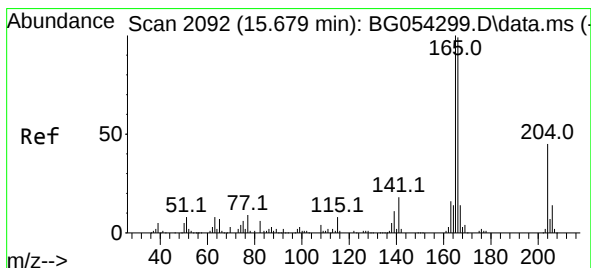
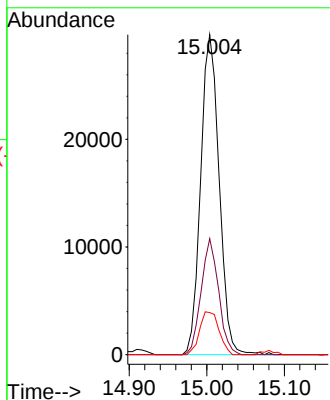
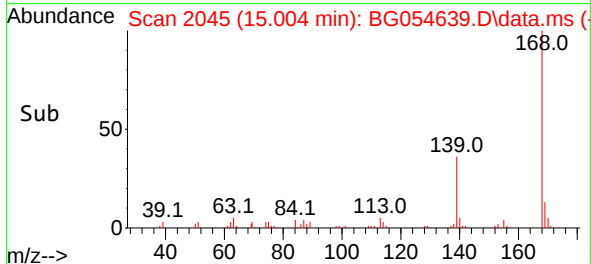
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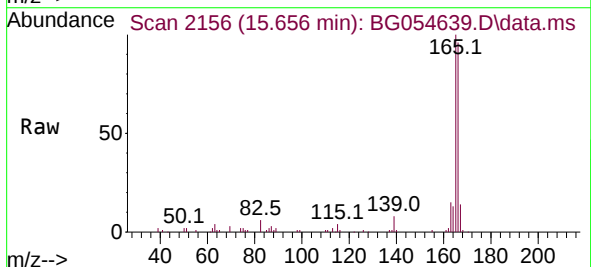
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Ion Ratio Lower Upper
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139 36.2 30.5 45.7
169 13.1 10.3 15.5

Manual Integrations
APPROVED

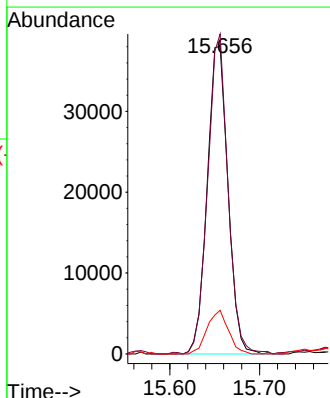
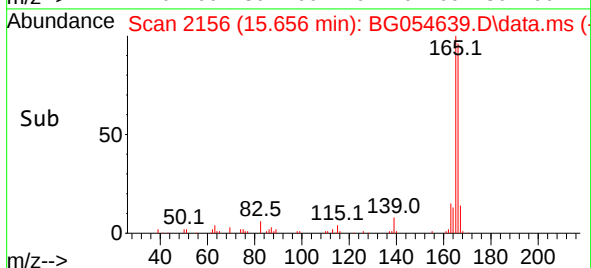
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022

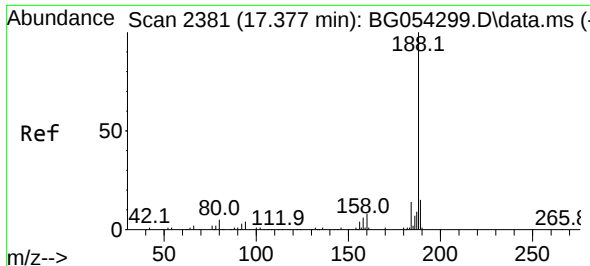


#58
Fluorene
Concen: 10.370 ng
RT: 15.656 min Scan# 2156
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25



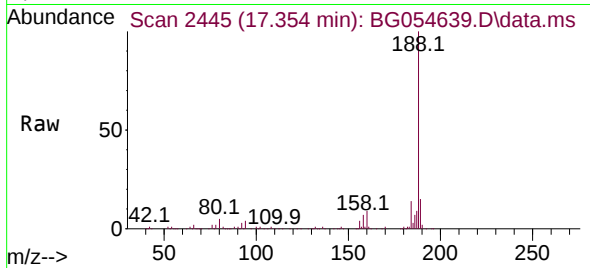
Tgt Ion:166 Resp: 61701
Ion Ratio Lower Upper
166 100
165 104.0 75.0 112.6
167 14.2 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.354 min Scan# 2445
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

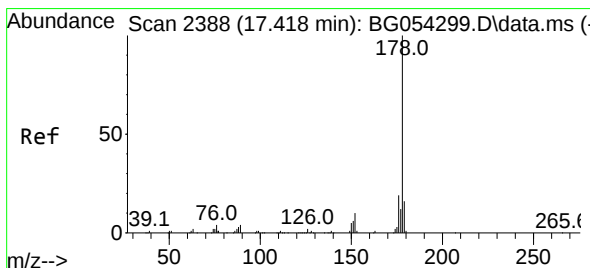
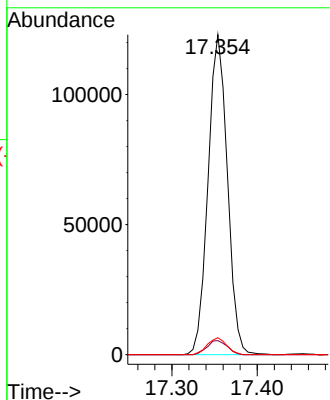
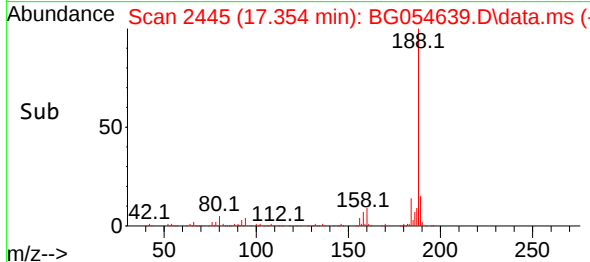
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL



Tgt Ion:188 Resp: 193222
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0
80 5.3 6.8 10.2

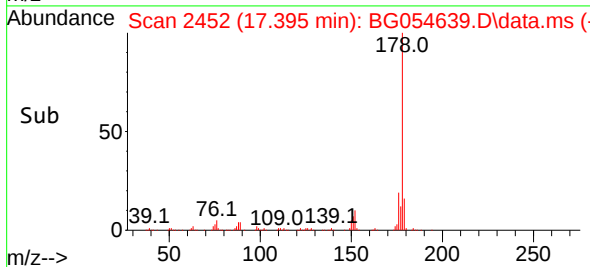
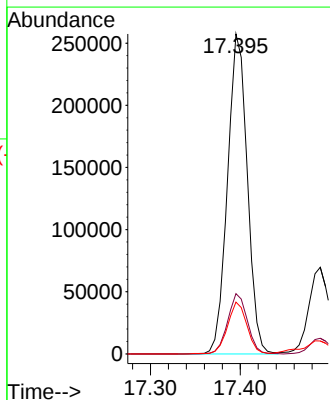
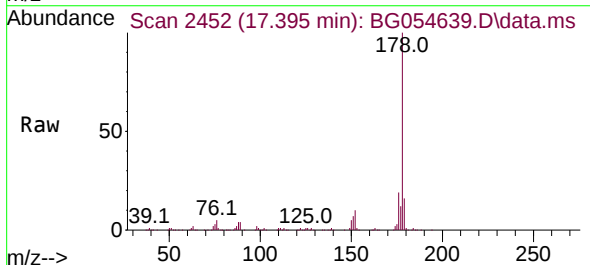
Manual Integrations
APPROVED

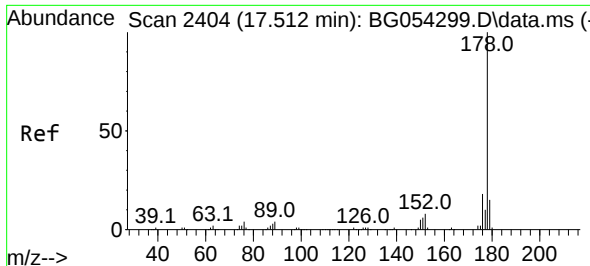
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022



#71
Phenanthrene
Concen: 41.159 ng
RT: 17.395 min Scan# 2452
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

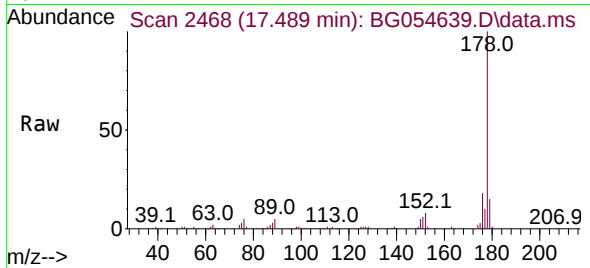
Tgt Ion:178 Resp: 396043
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 16.2 12.1 18.1





#72
 Anthracene
 Concen: 11.522 ng
 RT: 17.489 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: BG054639.D
 Acq: 14 Aug 2022 19:25

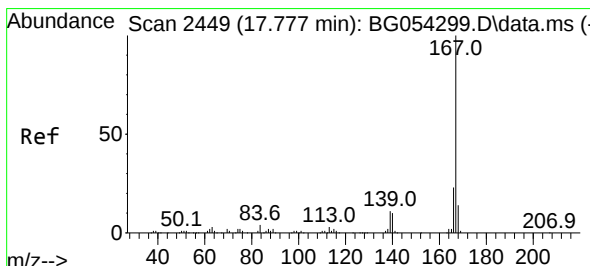
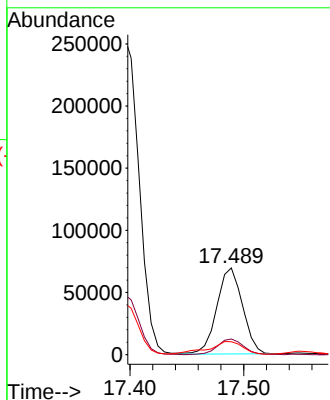
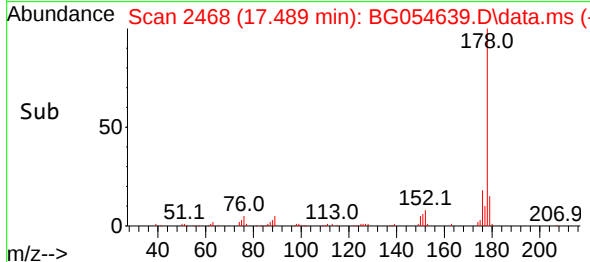
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-081022DL



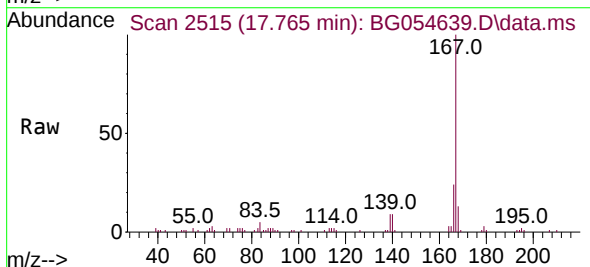
Tgt Ion:178 Resp: 108793
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.2 22.8
 179 14.8 13.0 19.4

Manual Integrations
 APPROVED

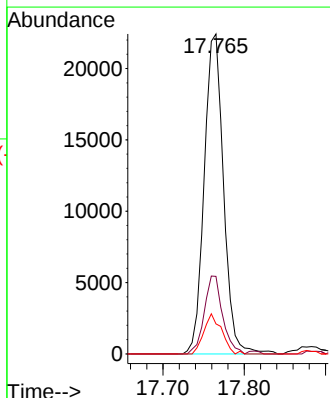
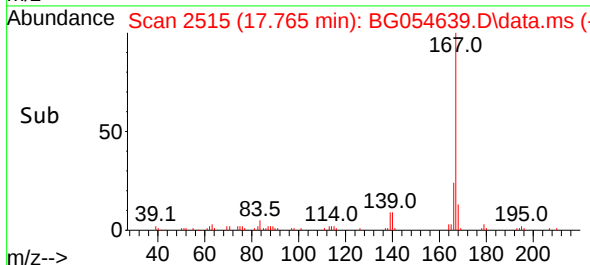
Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/18/2022

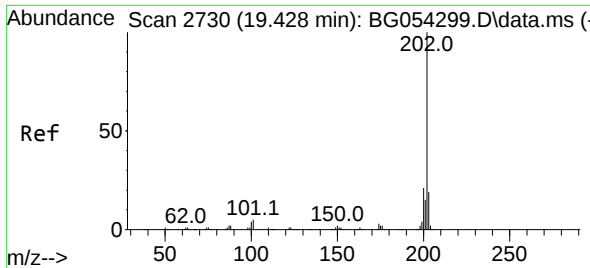


#73
 Carbazole
 Concen: 4.779 ng
 RT: 17.765 min Scan# 2515
 Delta R.T. -0.003 min
 Lab File: BG054639.D
 Acq: 14 Aug 2022 19:25



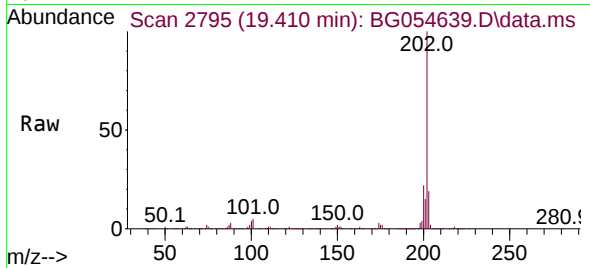
Tgt Ion:167 Resp: 37154
 Ion Ratio Lower Upper
 167 100
 166 24.2 18.2 27.2
 139 9.4 10.1 15.1#





#75
Fluoranthene
Concen: 30.981 ng
RT: 19.410 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

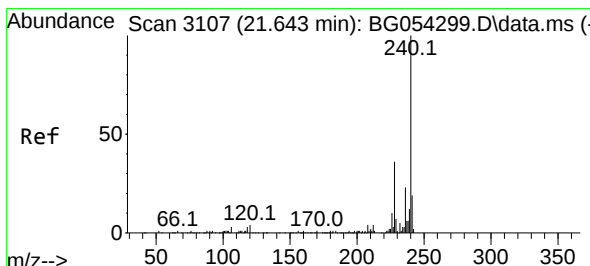
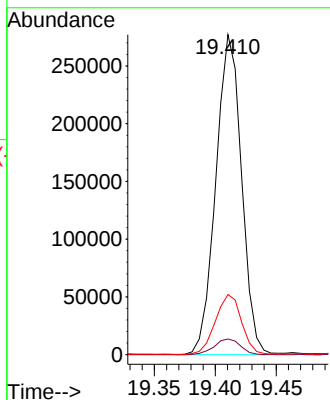
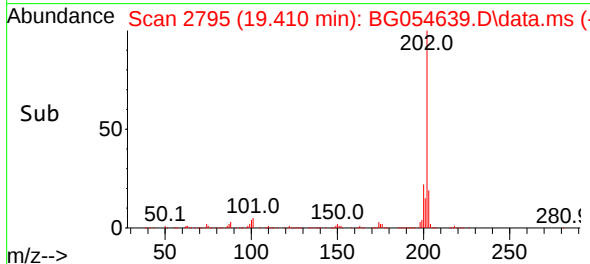
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL



Tgt Ion:202 Resp: 406372
Ion Ratio Lower Upper
202 100
101 4.9 0.0 26.9
203 18.8 0.0 37.2

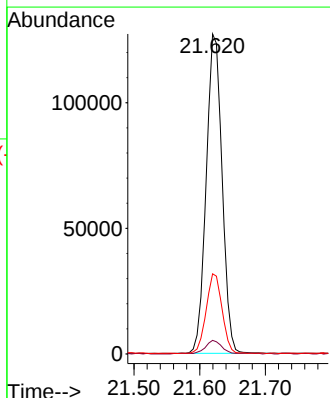
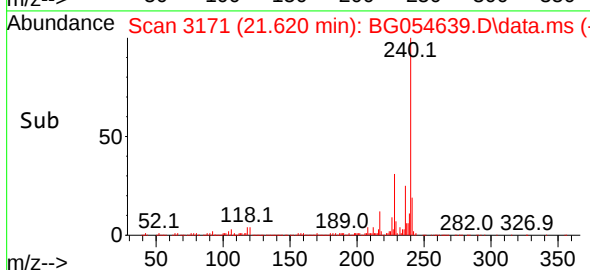
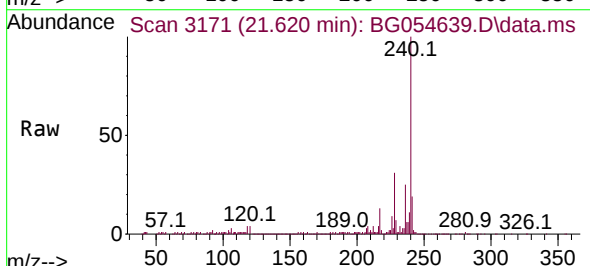
Manual Integrations
APPROVED

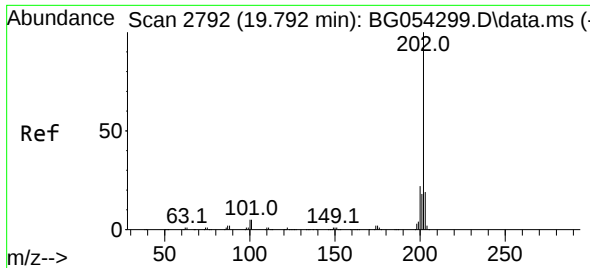
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.620 min Scan# 3171
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

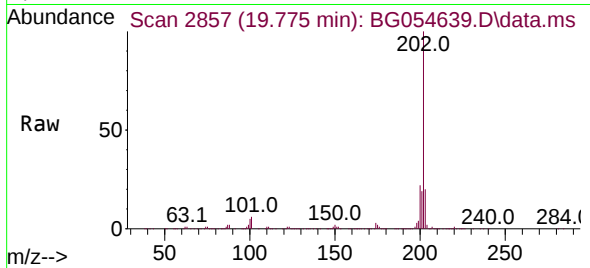
Tgt Ion:240 Resp: 213377
Ion Ratio Lower Upper
240 100
120 4.3 4.6 7.0#
236 25.0 20.2 30.4





#78
Pyrene
Concen: 25.894 ng
RT: 19.775 min Scan# 2887
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

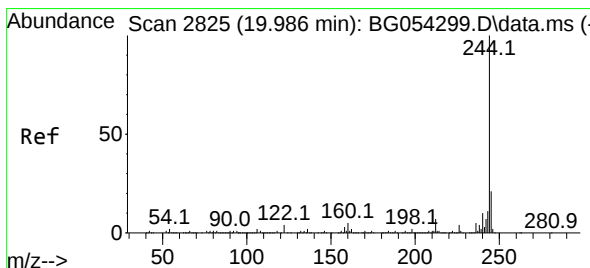
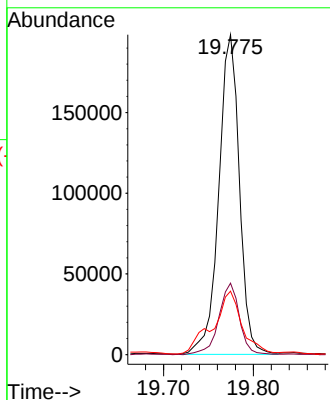
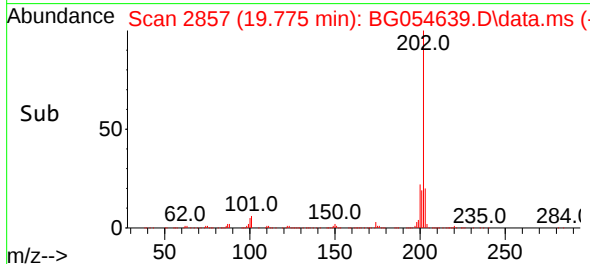
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL



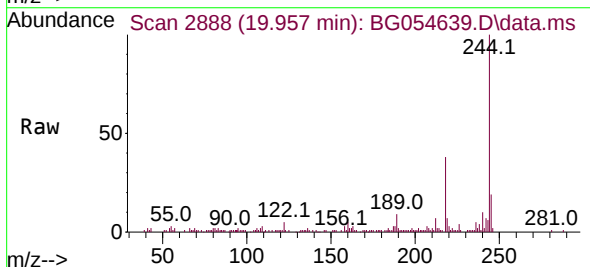
Tgt Ion:202 Resp: 317021
Ion Ratio Lower Upper
202 100
200 22.3 16.6 24.8
203 19.8 14.6 21.8

Manual Integrations
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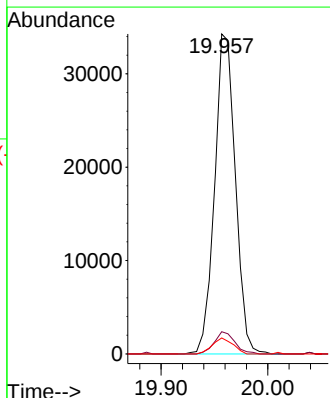
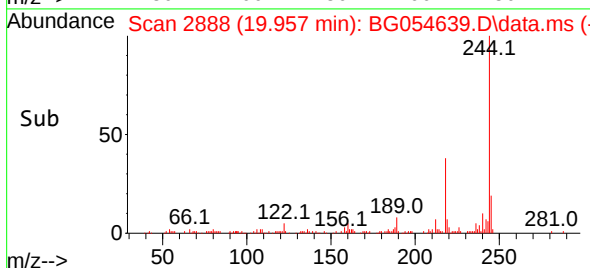
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022

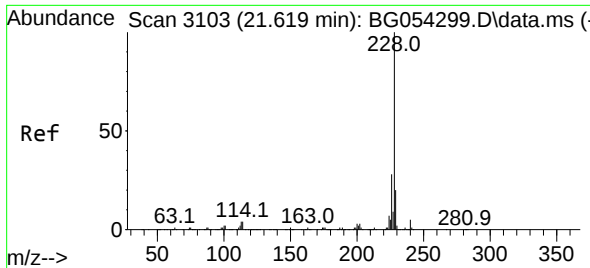


#79
Terphenyl-d14
Concen: 4.314 ng
RT: 19.957 min Scan# 2888
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25



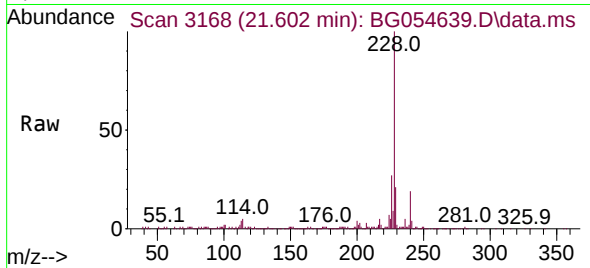
Tgt Ion:244 Resp: 46404
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 5.0 5.0 7.4





#81
Benzo(a)anthracene
Concen: 14.864 ng
RT: 21.602 min Scan# 3118
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

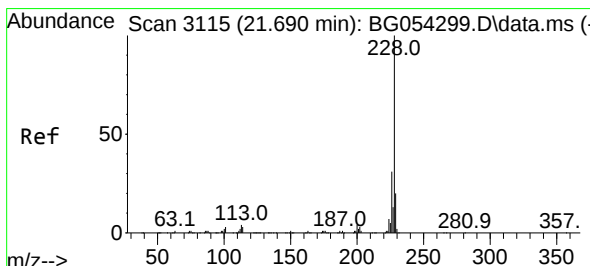
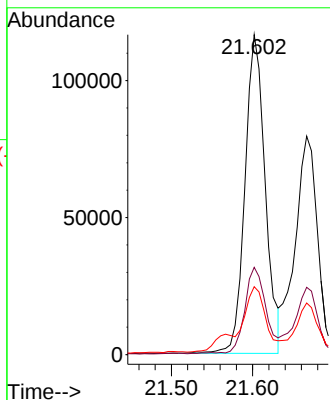
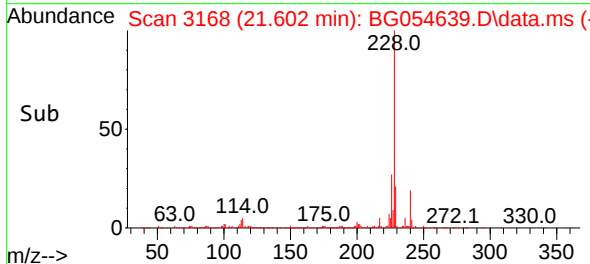
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL



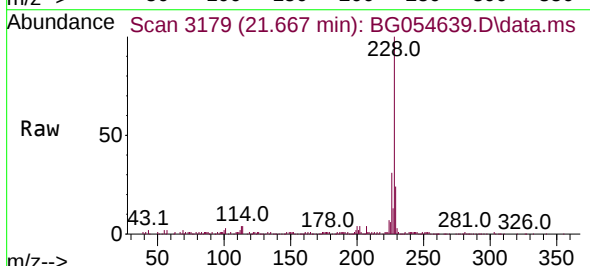
Tgt Ion:228 Resp: 201329
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 21.2 16.2 24.2

Manual Integrations
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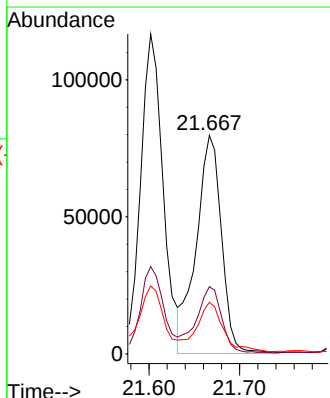
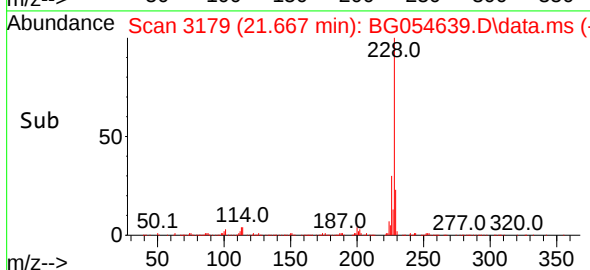
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022

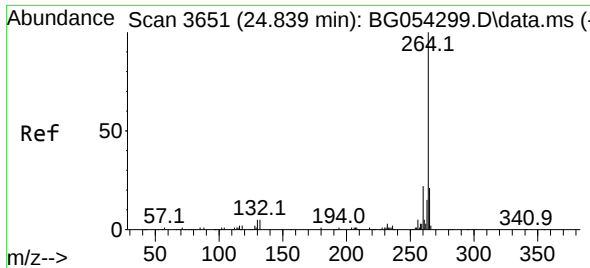


#83
Chrysene
Concen: 12.046 ng m
RT: 21.667 min Scan# 3179
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25



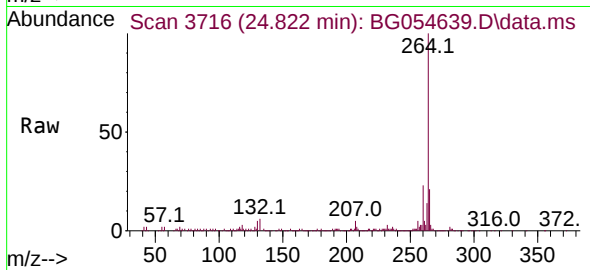
Tgt Ion:228 Resp: 154157
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.2
229 23.6 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.822 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

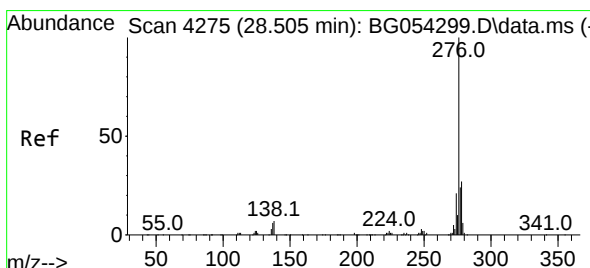
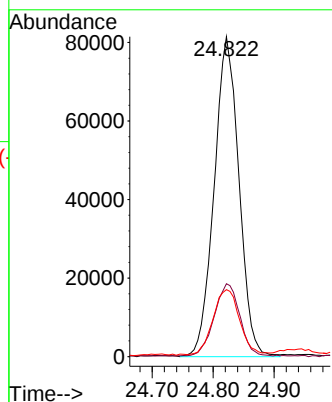
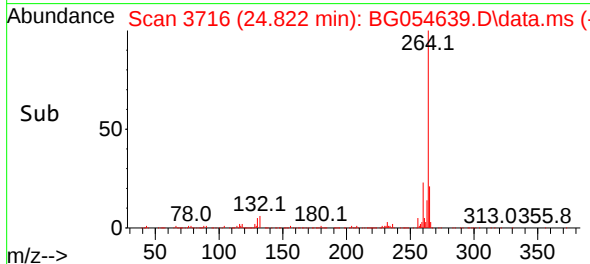
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL



Tgt Ion:264 Resp: 229985
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.6
265 20.9 17.4 26.2

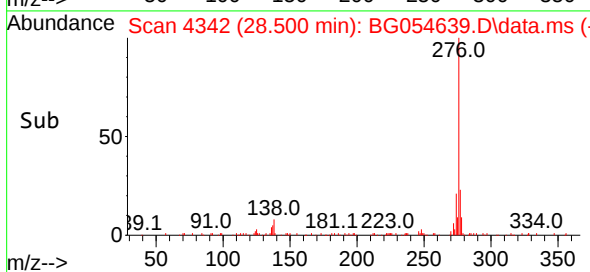
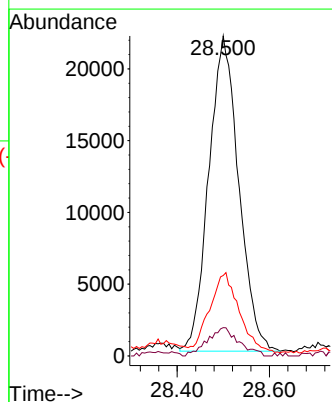
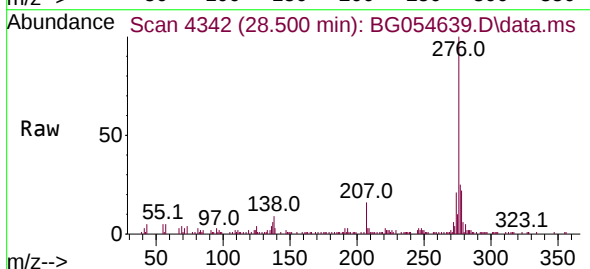
Manual Integrations
APPROVED

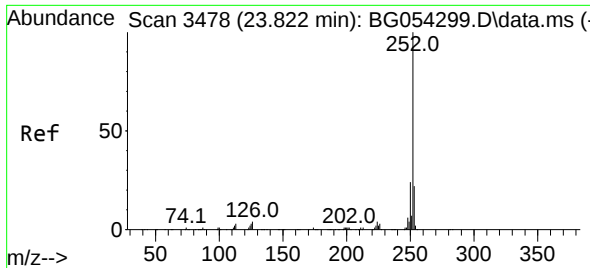
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.664 ng
RT: 28.500 min Scan# 4342
Delta R.T. -0.027 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

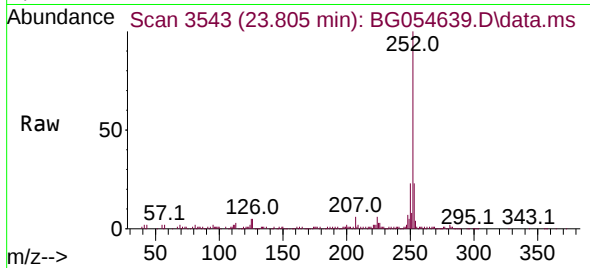
Tgt Ion:276 Resp: 99096
Ion Ratio Lower Upper
276 100
138 9.3 5.0 7.4#
277 25.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 15.328 ng
RT: 23.805 min Scan# 3543
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

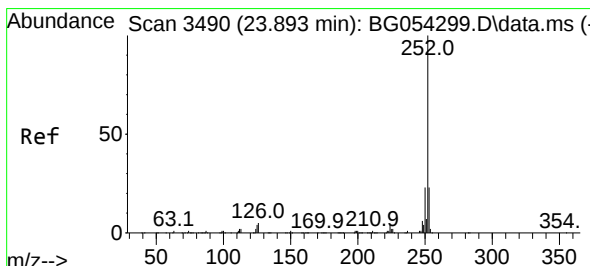
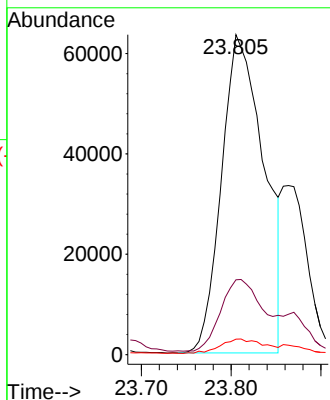
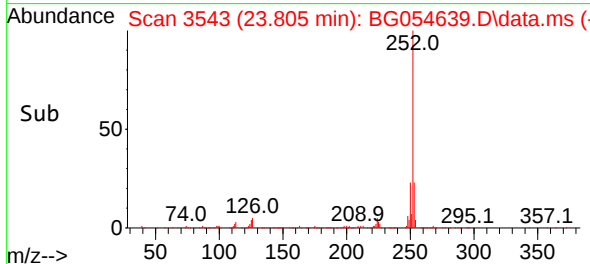
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL



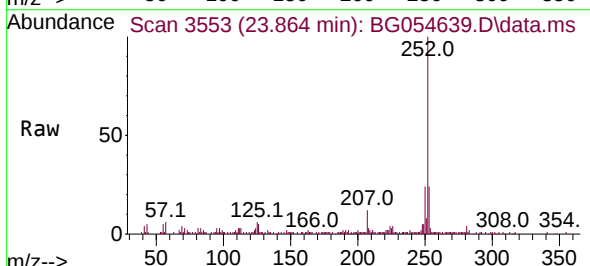
Tgt Ion:252 Resp: 208479
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 4.8 4.6 6.8

Manual Integrations
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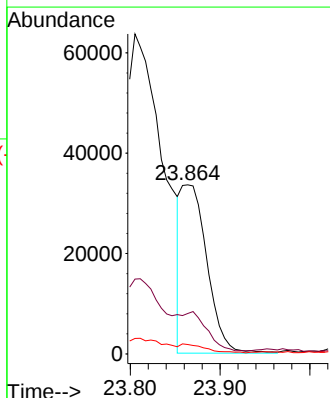
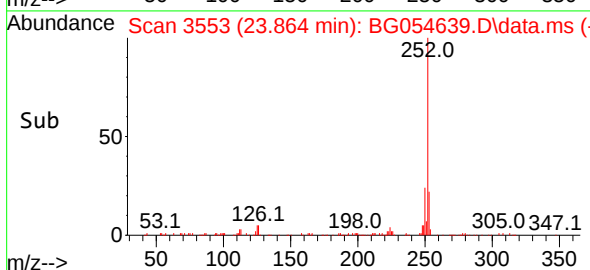
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022

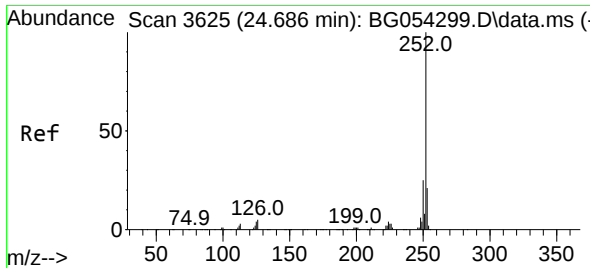


#89
Benzo(k)fluoranthene
Concen: 5.001 ng m
RT: 23.864 min Scan# 3553
Delta R.T. -0.015 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25



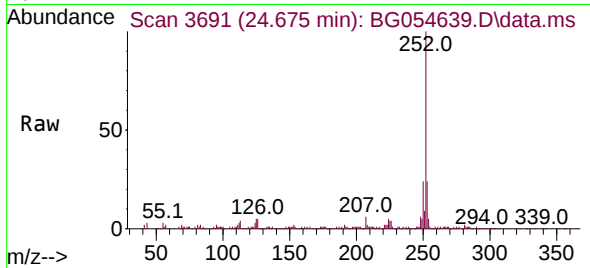
Tgt Ion:252 Resp: 67689
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 5.6 4.8 7.2





#90
Benzo(a)pyrene
Concen: 13.485 ng
RT: 24.675 min Scan# 30
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

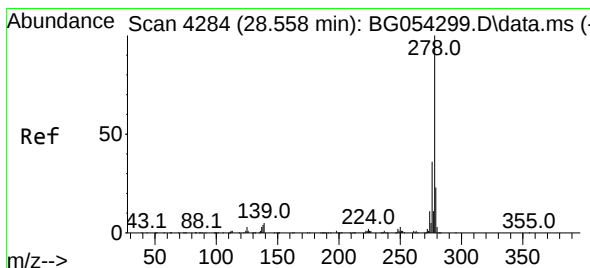
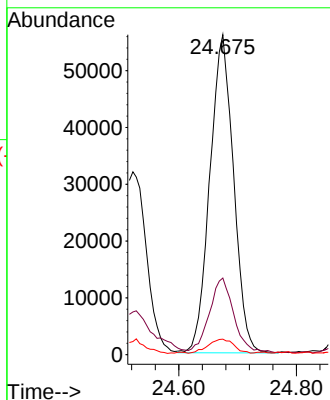
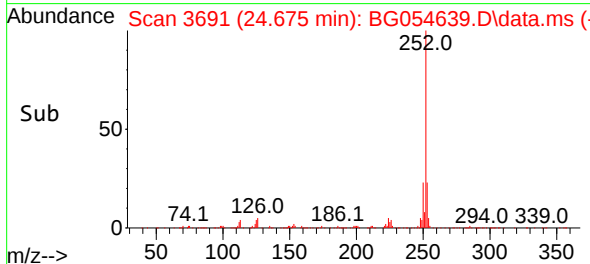
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL



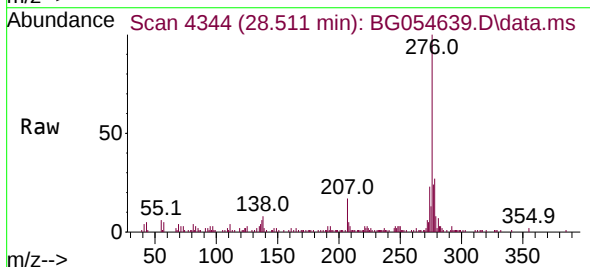
Tgt Ion:252 Resp: 156632
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 4.8 4.3 6.5

Manual Integrations
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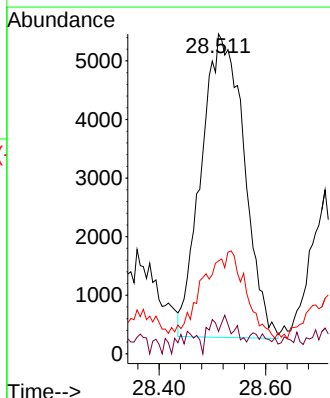
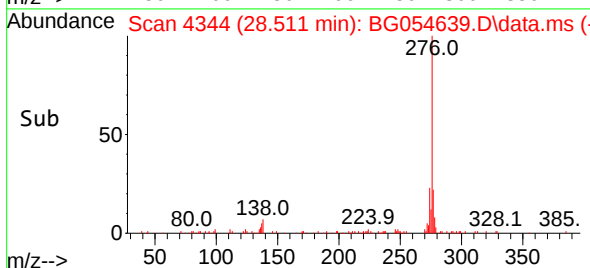
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/18/2022

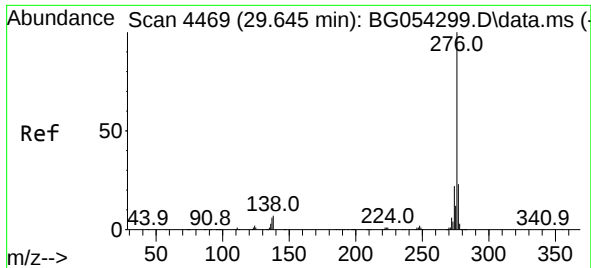


#91
Dibenzo(a,h)anthracene
Concen: 2.006 ng
RT: 28.511 min Scan# 4344
Delta R.T. -0.044 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25



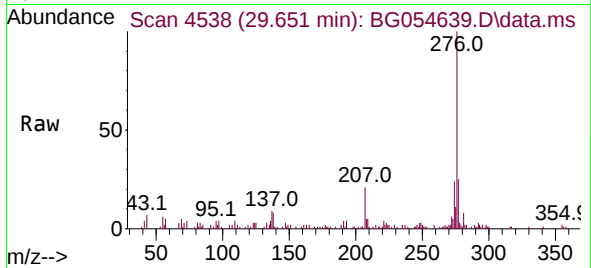
Tgt Ion:278 Resp: 28865
Ion Ratio Lower Upper
278 100
139 7.0 7.2 10.8#
279 29.0 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 6.373 ng
 RT: 29.651 min Scan# 4538
 Delta R.T. -0.009 min
 Lab File: BG054639.D
 Acq: 14 Aug 2022 19:25

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-081022DL



Tgt Ion:276 Resp: 90496
 Ion Ratio Lower Upper
 276 100
 277 24.7 17.3 25.9
 138 8.2 9.6 14.4

Manual Integrations
 APPROVED

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