

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054542.D
 Acq On : 5 Aug 2022 19:45
 Operator : CG/JU
 Sample : N4060-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JERSEY-CITY-SP

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022

Quant Time: Aug 06 05:40:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	16211	20.000	ng	-0.01
21) Naphthalene-d8	10.784	136	64986	20.000	ng	#-0.01
39) Acenaphthene-d10	14.615	164	49264	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	118828	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	130150	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	133604	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	80814	104.084	ng	0.00
7) Phenol-d6	7.177	99	110276	103.652	ng	0.00
23) Nitrobenzene-d5	9.139	82	73824	61.863	ng	-0.01
42) 2,4,6-Tribromophenol	16.113	330	94217	91.087	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	229443	65.702	ng	-0.01
79) Terphenyl-d14	19.973	244	450049	68.598	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.837	128	23347	7.157	ng	99
37) 2-Methylnaphthalene	12.447	142	9486	3.787	ng	96
38) 1-Methylnaphthalene	12.664	142	8499	3.482	ng	# 96
49) Acenaphthylene	14.345	152	12326	2.941	ng	# 95
52) Acenaphthene	14.680	154	19115	7.532	ng	99
55) Dibenzofuran	15.015	168	21536	4.769	ng	92
58) Fluorene	15.661	166	23180	6.243	ng	96
71) Phenanthrene	17.406	178	356580	60.258	ng	98
72) Anthracene	17.500	178	61597	10.607	ng	97
73) Carbazole	17.770	167	25757	5.388	ng	99
75) Fluoranthene	19.421	202	517443	64.146	ng	94
78) Pyrene	19.785	202	505310	67.664	ng	97
81) Benzo(a)anthracene	21.613	228	294753	35.676	ng	98
83) Chrysene	21.677	228	288160	36.917	ng	95
87) Indeno(1,2,3-cd)pyrene	28.522	276	177552	17.469	ng	93
88) Benzo(b)fluoranthene	23.828	252	388666m	49.191	ng	
89) Benzo(k)fluoranthene	23.875	252	129851m	16.513	ng	
90) Benzo(a)pyrene	24.697	252	291933m	43.264	ng	
91) Dibenzo(a,h)anthracene	28.552	278	45511m	5.445	ng	
92) Benzo(g,h,i)perylene	29.674	276	183864	22.290	ng	# 93

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

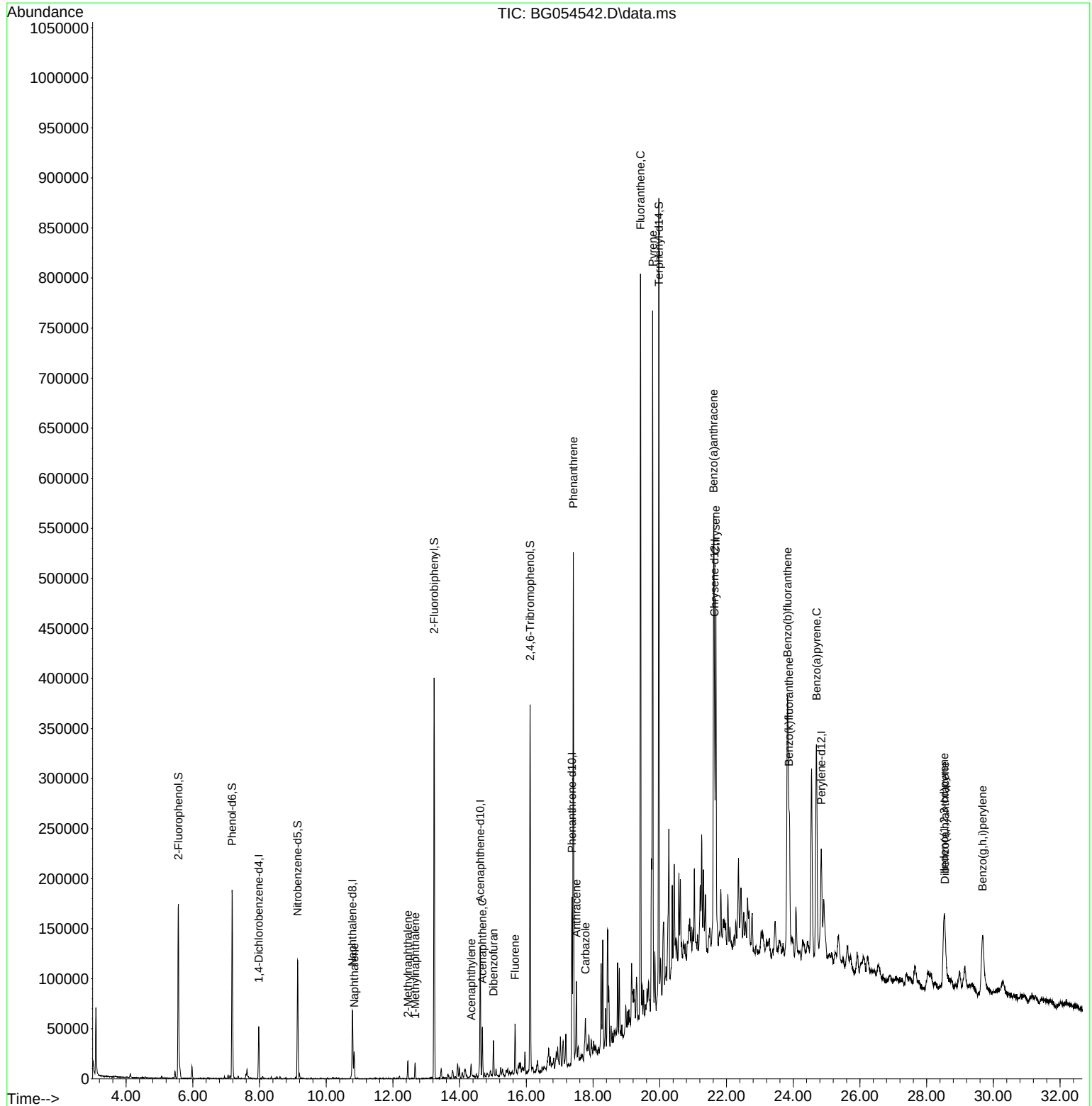
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
Data File : BG054542.D
Acq On : 5 Aug 2022 19:45
Operator : CG/JU
Sample : N4060-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

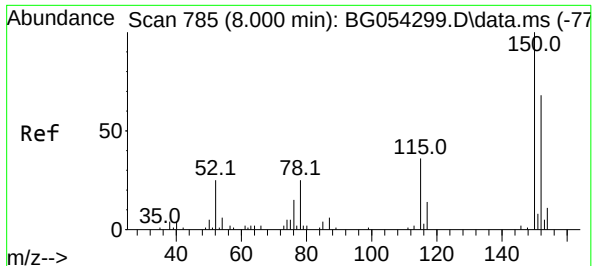
Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP

Quant Time: Aug 06 05:40:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
Response via : Initial Calibration

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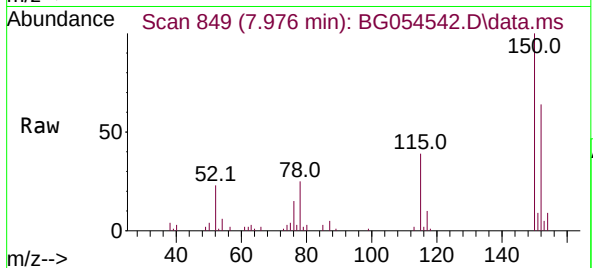
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. -0.012 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

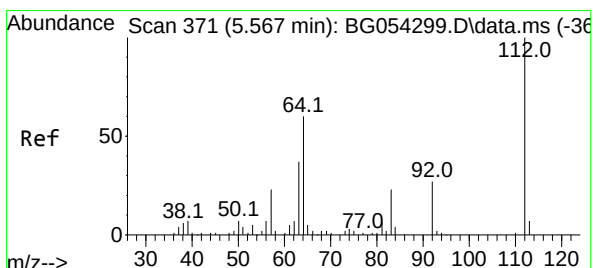
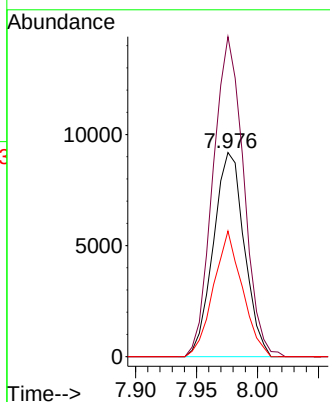
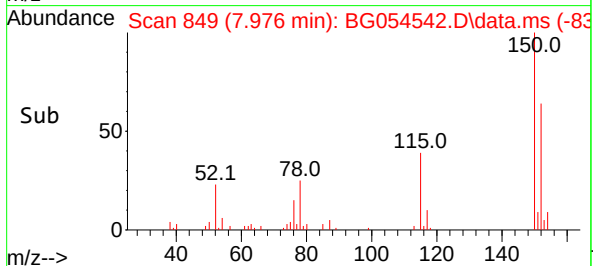
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:152 Resp: 1621
Ion Ratio Lower Upper
152 100
150 156.9 131.6 197.4
115 61.5 50.9 76.3

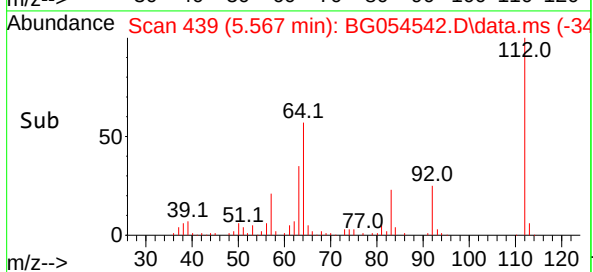
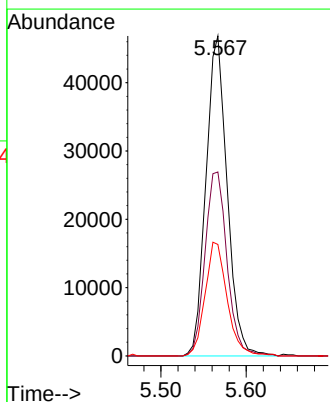
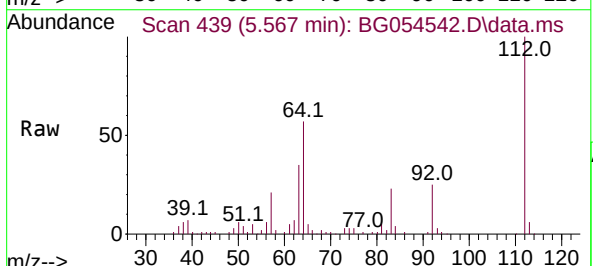
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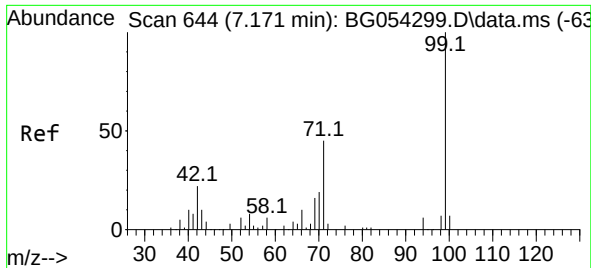
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#5
2-Fluorophenol
Concen: 104.084 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

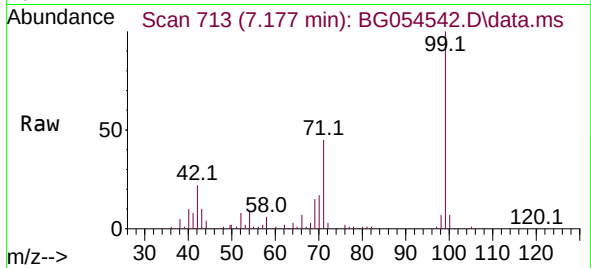
Tgt Ion:112 Resp: 80814
Ion Ratio Lower Upper
112 100
64 57.5 55.1 82.7
63 34.8 30.4 45.6





#7
Phenol-d6
Concen: 103.652 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

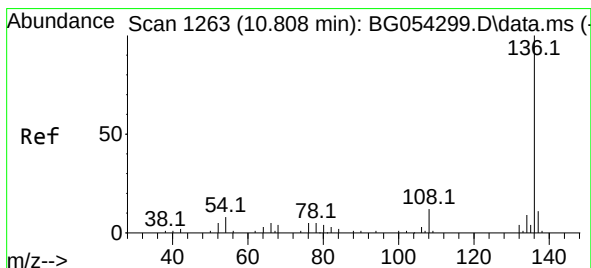
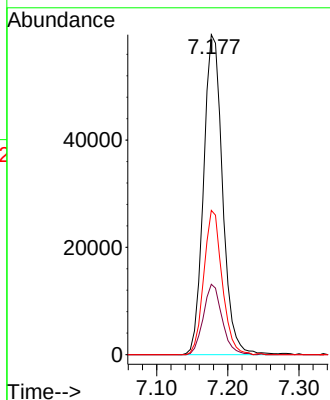
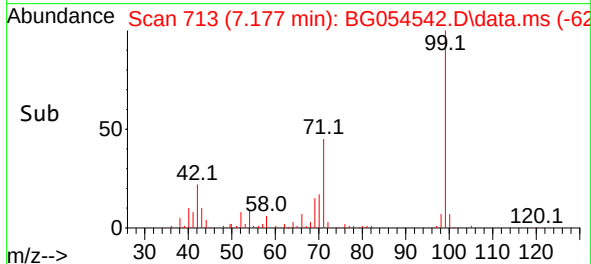
Instrument :
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ClientSampleId :
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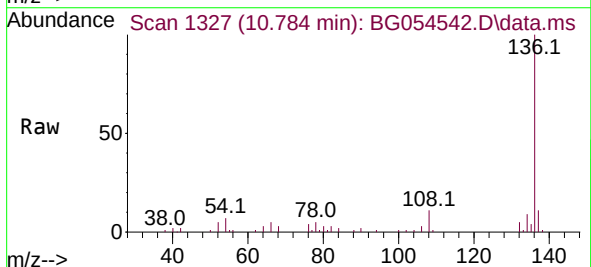
Tgt Ion: 99 Resp: 110276
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 45.1 33.8 50.8

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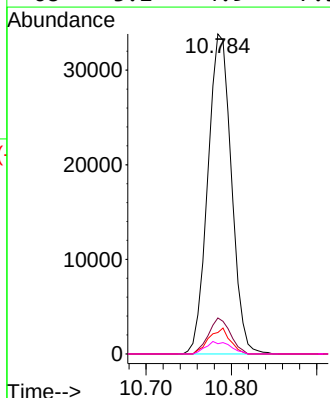
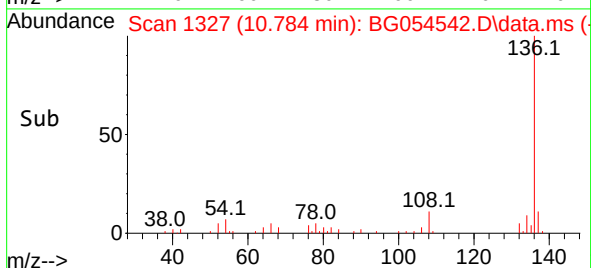
Reviewed By :Christian Giraldo 08/08/2022
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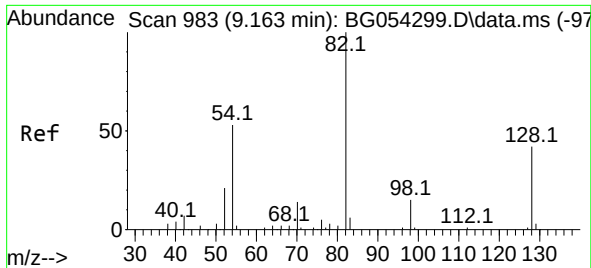


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.784 min Scan# 1327
Delta R.T. -0.013 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45



Tgt Ion:136 Resp: 64986
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 6.7 7.4 11.2#
68 3.2 4.9 7.3#





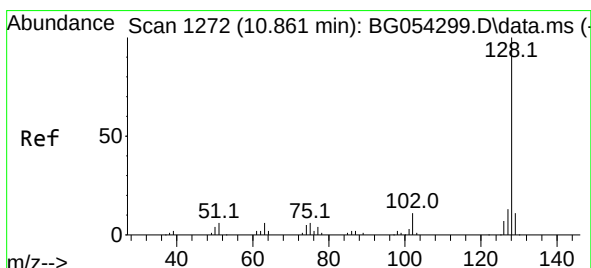
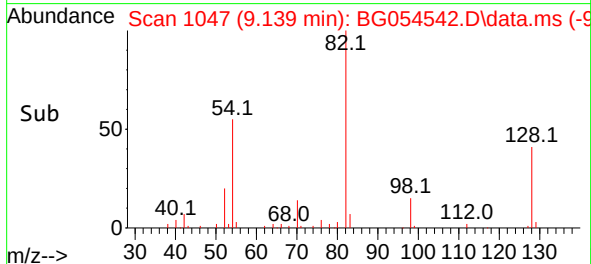
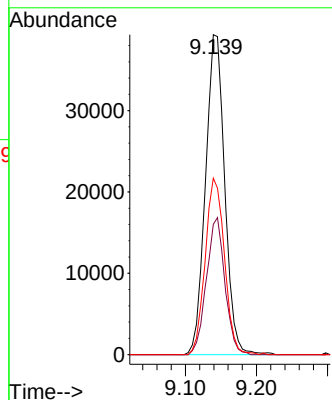
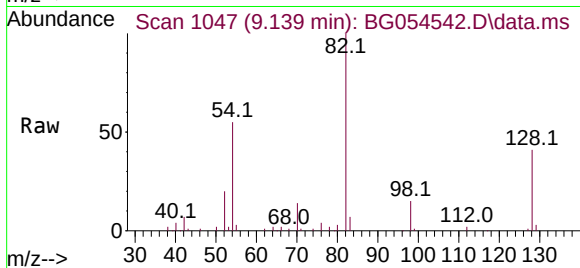
#23
Nitrobenzene-d5
Concen: 61.863 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.013 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP

Tgt Ion: 82 Resp: 73824
Ion Ratio Lower Upper
82 100
128 40.7 27.9 41.9
54 55.1 41.2 61.8

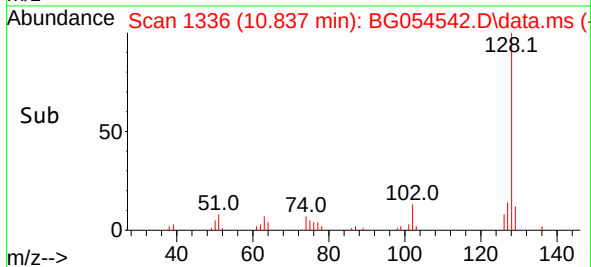
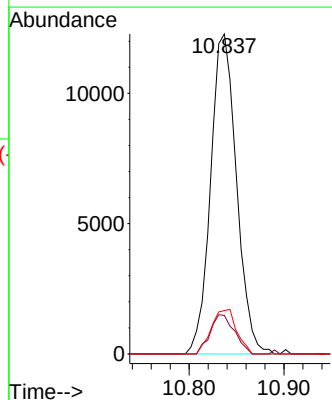
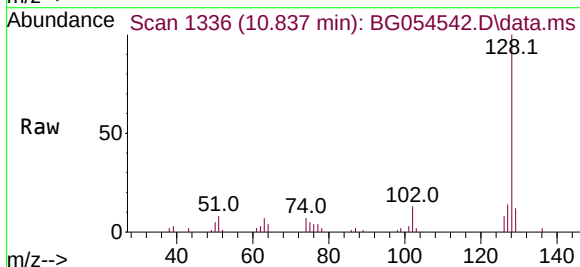
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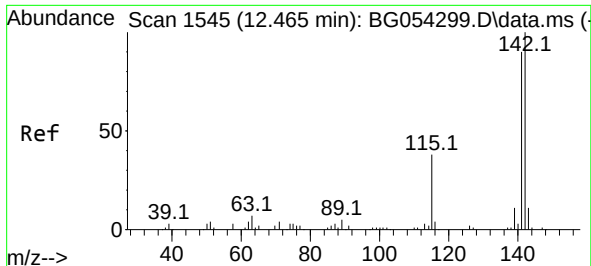
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#31
Naphthalene
Concen: 7.157 ng
RT: 10.837 min Scan# 1336
Delta R.T. -0.007 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

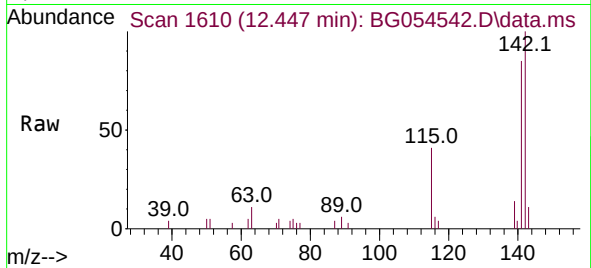
Tgt Ion:128 Resp: 23347
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.6
127 13.5 11.1 16.7





#37
2-Methylnaphthalene
Concen: 3.787 ng
RT: 12.447 min Scan# 1610
Delta R.T. -0.007 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

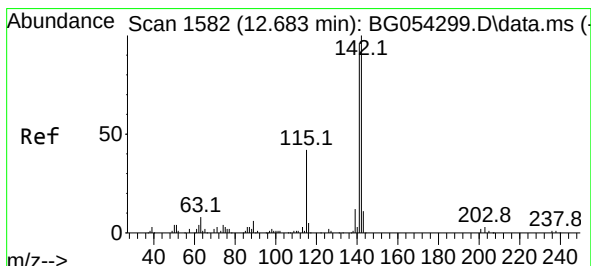
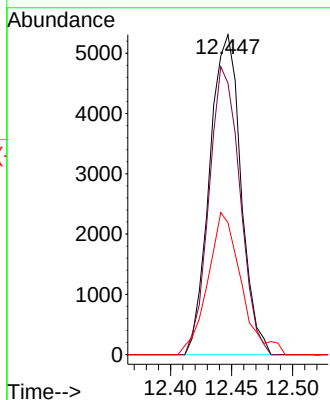
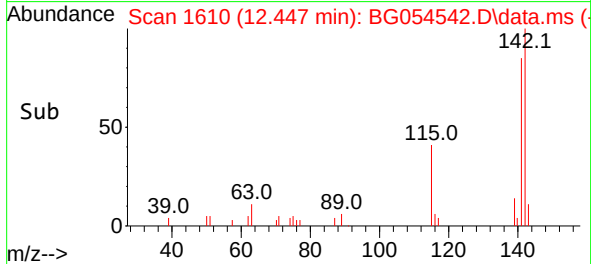
Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP



Tgt Ion:142 Resp: 9486
Ion Ratio Lower Upper
142 100
141 84.8 72.3 108.5
115 41.2 33.7 50.5

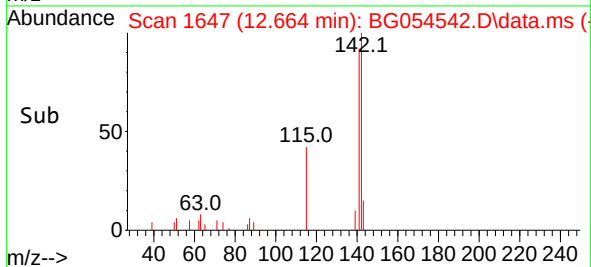
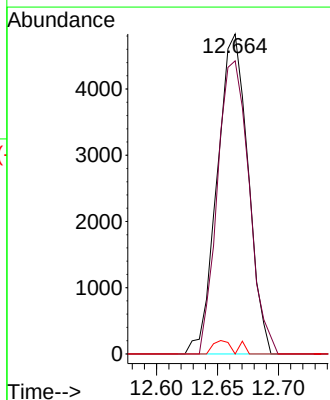
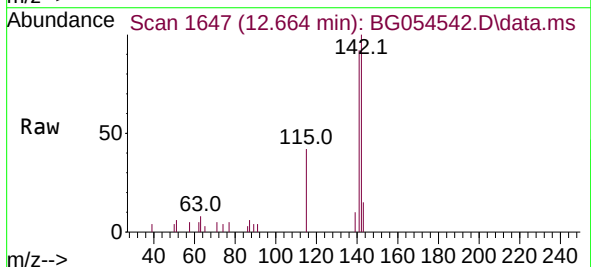
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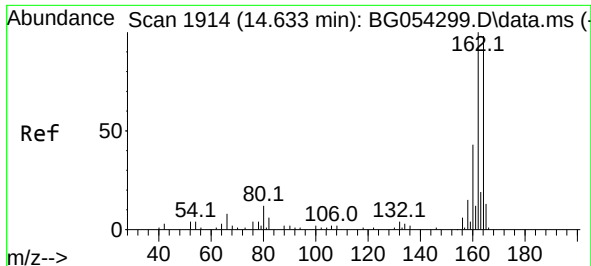
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#38
1-Methylnaphthalene
Concen: 3.482 ng
RT: 12.664 min Scan# 1647
Delta R.T. -0.007 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

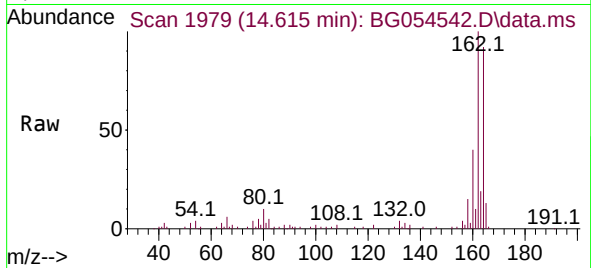
Tgt Ion:142 Resp: 8499
Ion Ratio Lower Upper
142 100
141 91.6 76.4 114.6
116 0.0 3.3 4.9#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1914
Delta R.T. -0.007 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

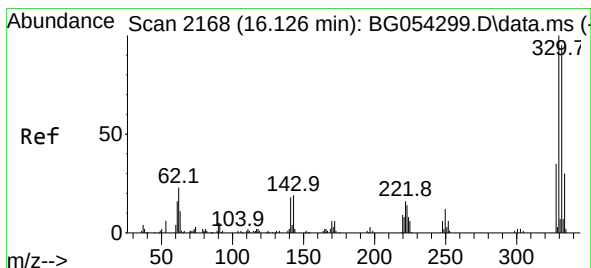
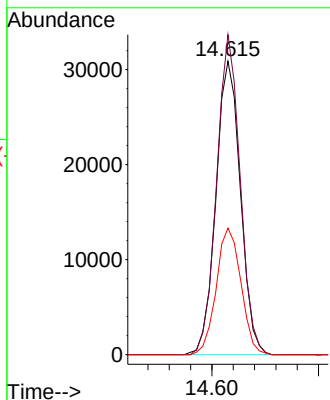
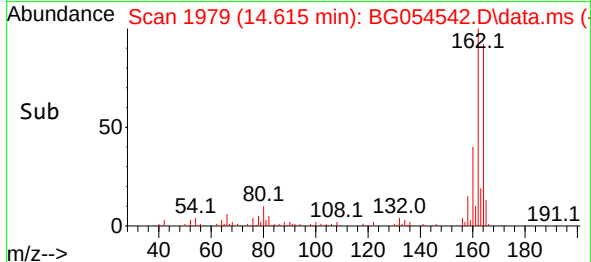
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ClientSampleId :
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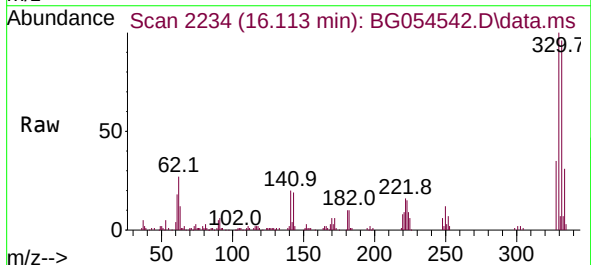
Tgt Ion:164 Resp: 49264
Ion Ratio Lower Upper
164 100
162 109.1 82.3 123.5
160 43.1 34.2 51.2

Manual Integrations
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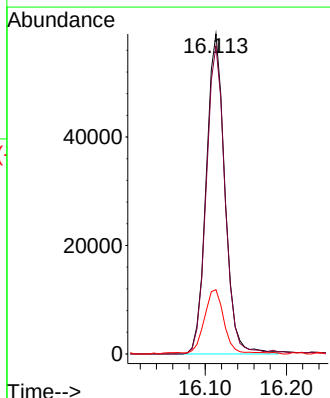
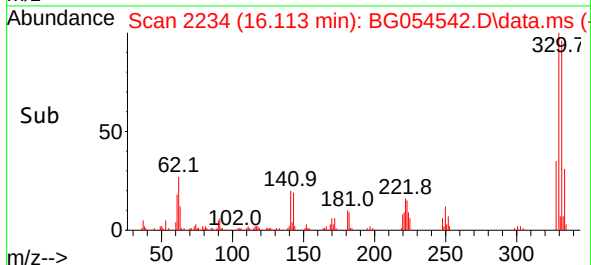
Reviewed By :Christian Giraldo 08/08/2022
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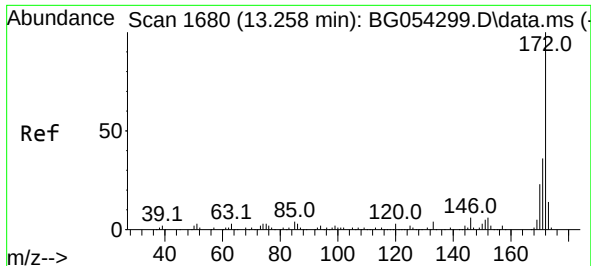


#42
2,4,6-Tribromophenol
Concen: 91.087 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.001 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45



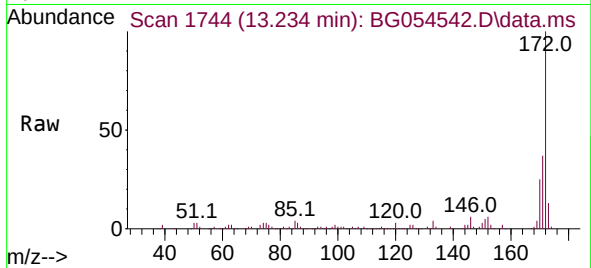
Tgt Ion:330 Resp: 94217
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 21.5 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 65.702 ng
RT: 13.234 min Scan# 11
Delta R.T. -0.013 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

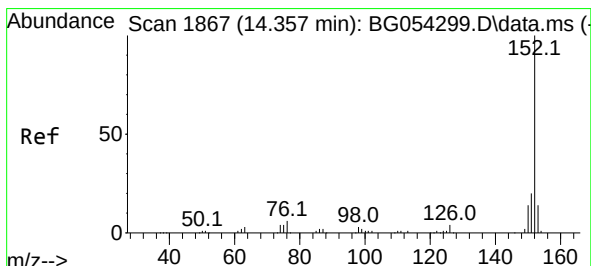
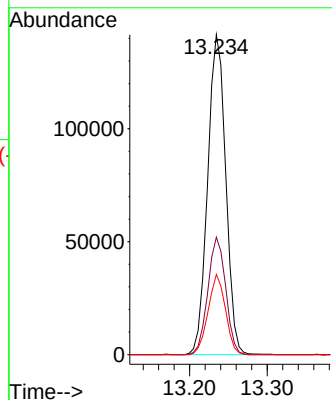
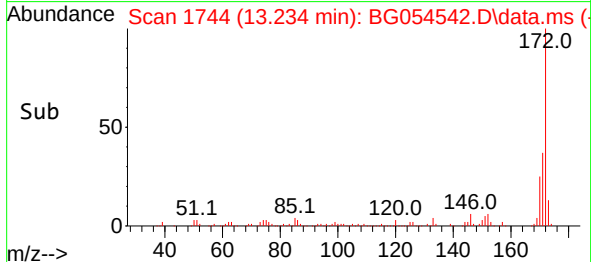
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JERSEY-CITY-SP



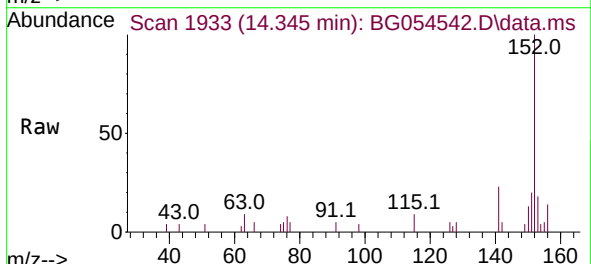
Tgt Ion:172 Resp: 229443
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 25.0 18.9 28.3

Manual Integrations
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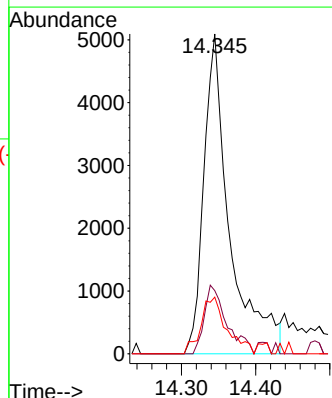
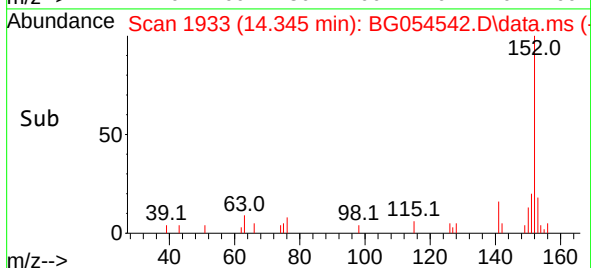
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

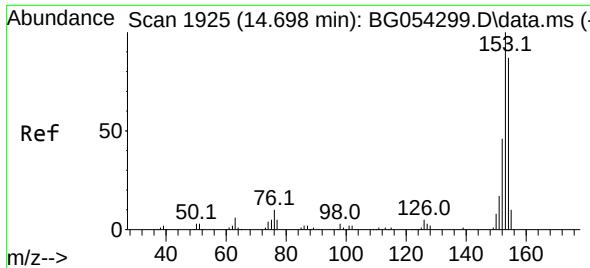


#49
Acenaphthylene
Concen: 2.941 ng
RT: 14.345 min Scan# 1933
Delta R.T. -0.001 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45



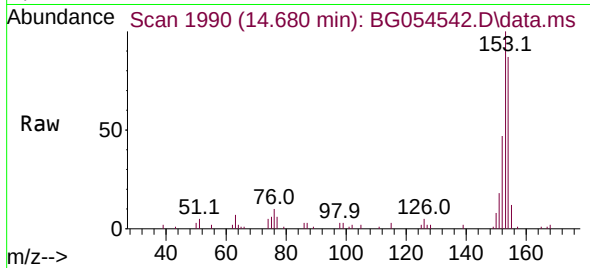
Tgt Ion:152 Resp: 12326
Ion Ratio Lower Upper
152 100
151 19.8 16.4 24.6
153 17.7 10.8 16.2#





#52
Acenaphthene
Concen: 7.532 ng
RT: 14.680 min Scan# 1911
Delta R.T. -0.007 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

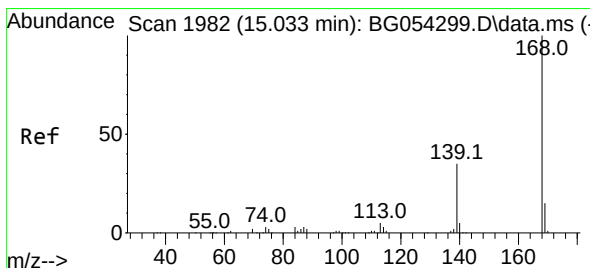
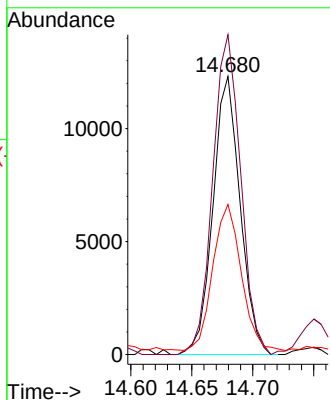
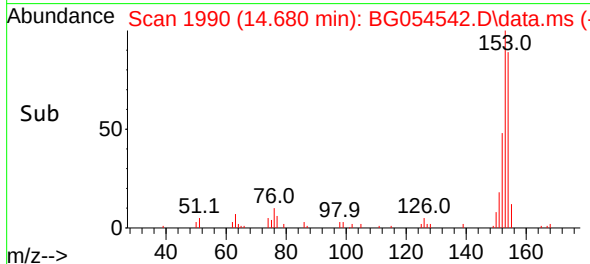
Instrument : BNA_G
ClientSampleId : JERSEY-CITY-SP



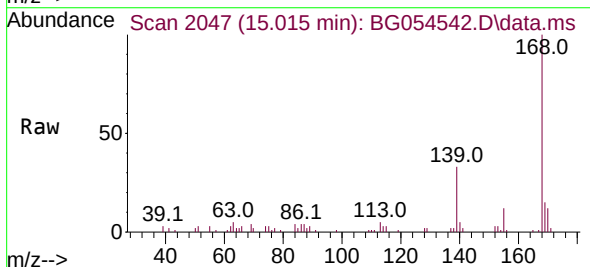
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Ion Ratio Lower Upper
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153 115.0 92.7 139.1
152 54.0 42.6 64.0

Manual Integrations
APPROVED

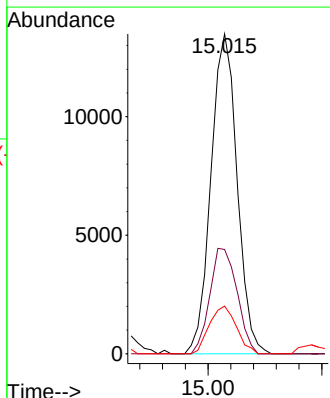
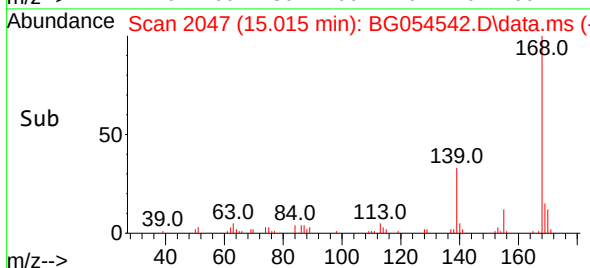
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

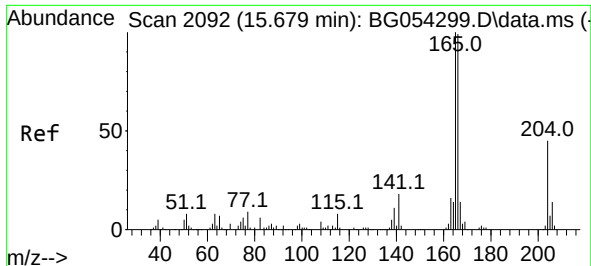


#55
Dibenzofuran
Concen: 4.769 ng
RT: 15.015 min Scan# 2047
Delta R.T. -0.007 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45



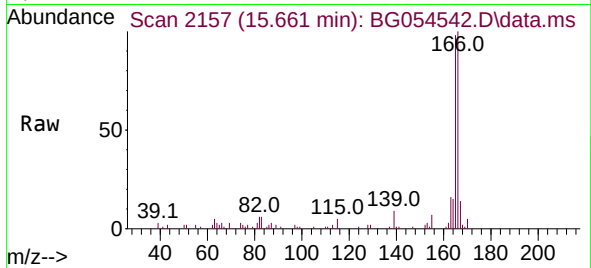
Tgt Ion:168 Resp: 21536
Ion Ratio Lower Upper
168 100
139 32.6 30.5 45.7
169 14.9 10.3 15.5





#58
Fluorene
Concen: 6.243 ng
RT: 15.661 min Scan# 2157
Delta R.T. -0.013 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

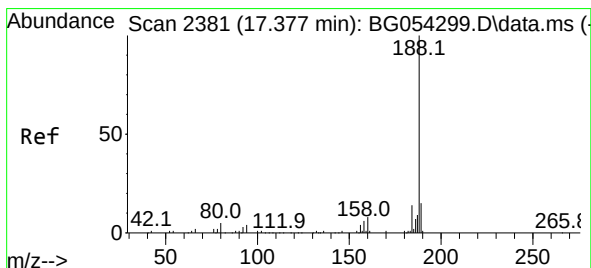
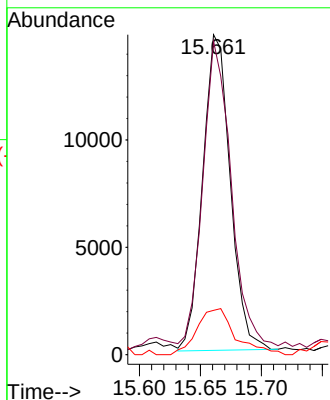
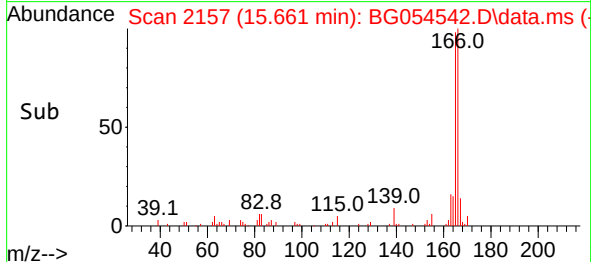
Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP



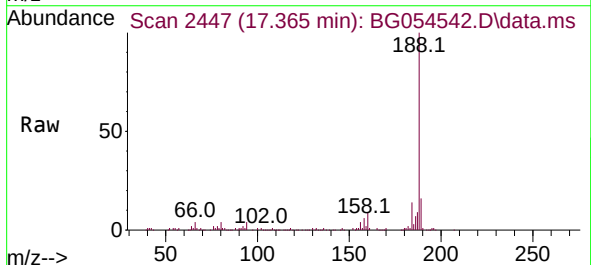
Tgt Ion:166 Resp: 23180
Ion Ratio Lower Upper
166 100
165 97.9 75.0 112.6
167 13.8 10.8 16.2

Manual Integrations
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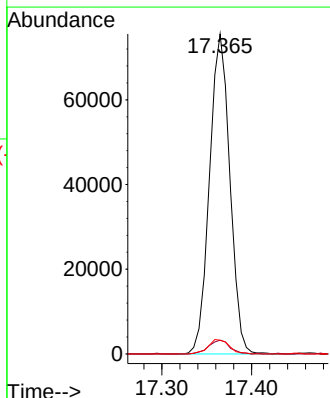
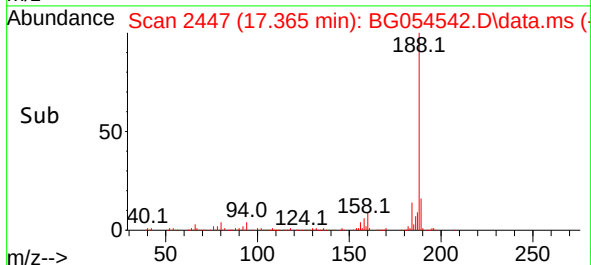
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

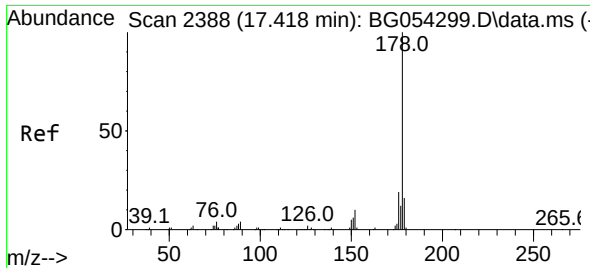


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45



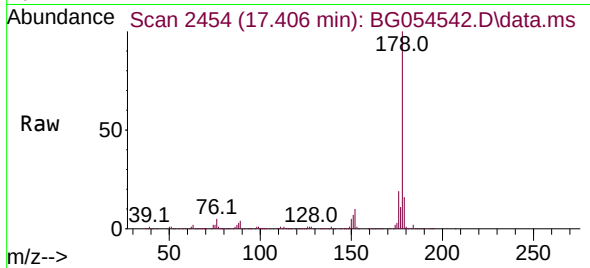
Tgt Ion:188 Resp: 118828
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0#
80 4.3 6.8 10.2#





#71
Phenanthrene
Concen: 60.258 ng
RT: 17.406 min Scan# 2470
Delta R.T. -0.007 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

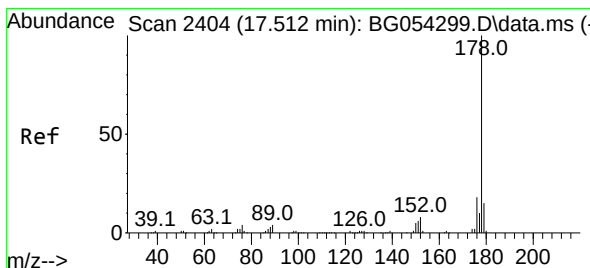
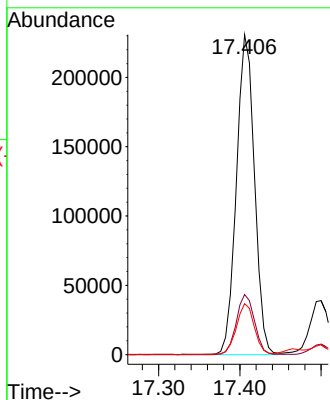
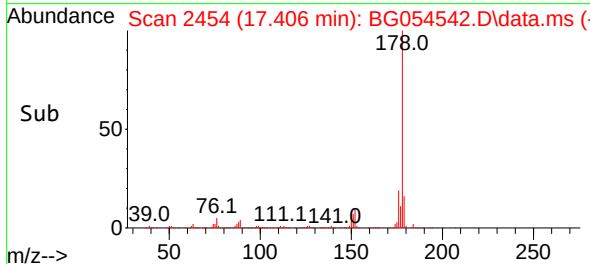
Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP



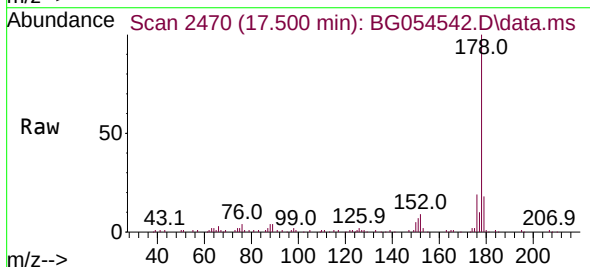
Tgt Ion:178 Resp: 356580
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 15.9 12.1 18.1

Manual Integrations
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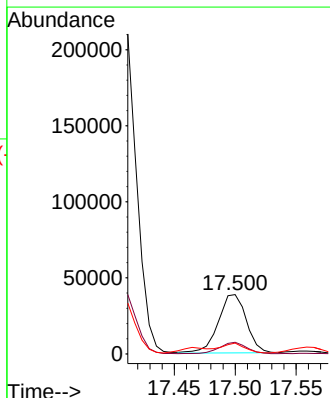
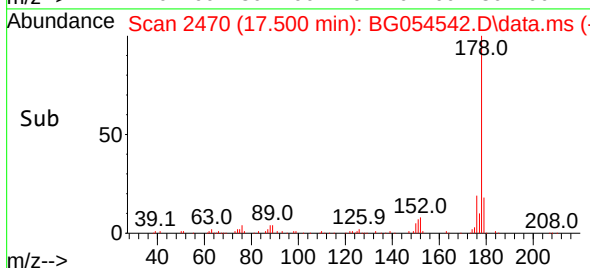
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

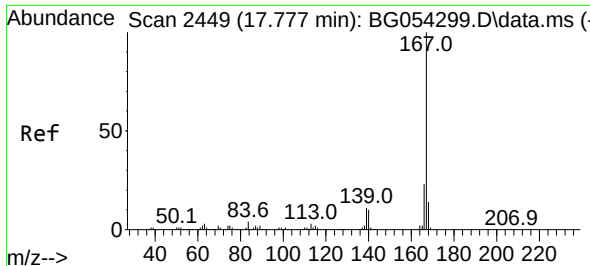


#72
Anthracene
Concen: 10.607 ng
RT: 17.500 min Scan# 2470
Delta R.T. -0.001 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45



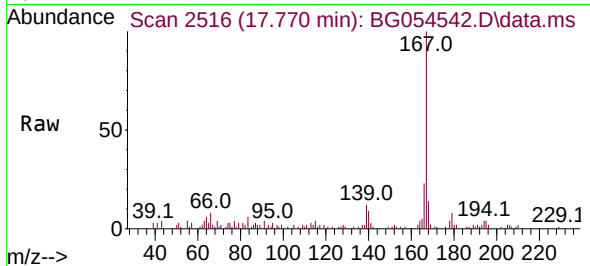
Tgt Ion:178 Resp: 61597
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 18.2 13.0 19.4





#73
 Carbazole
 Concen: 5.388 ng
 RT: 17.770 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054542.D
 Acq: 5 Aug 2022 19:45

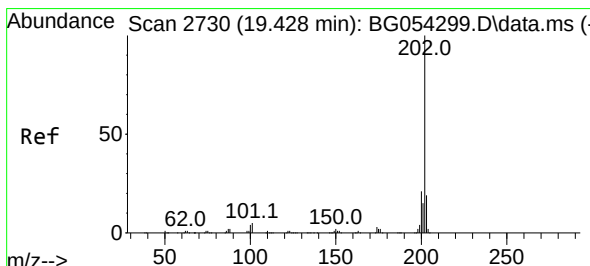
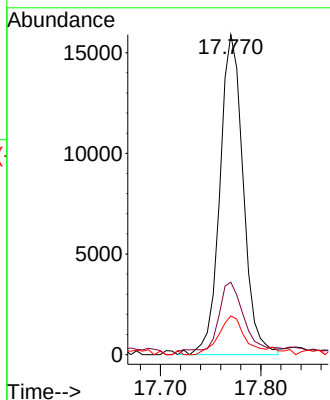
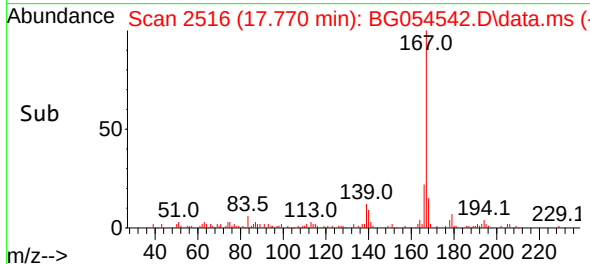
Instrument :
 BNA_G
 ClientSampleId :
 JERSEY-CITY-SP



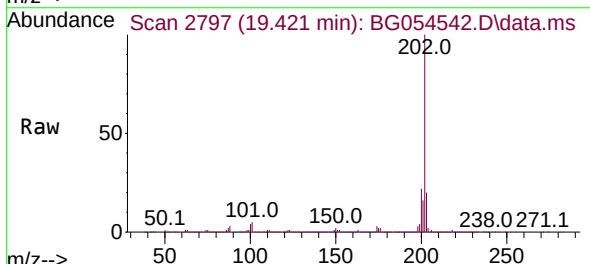
Tgt Ion:167 Resp: 2575
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.2 27.2
 139 12.1 10.1 15.1

Manual Integrations
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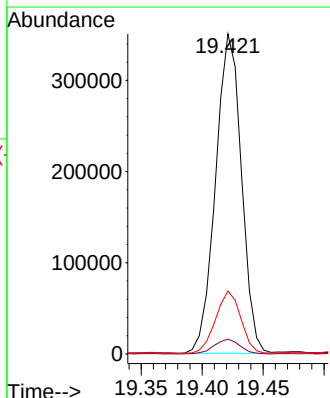
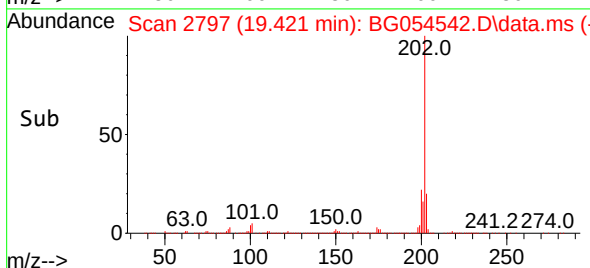
Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022

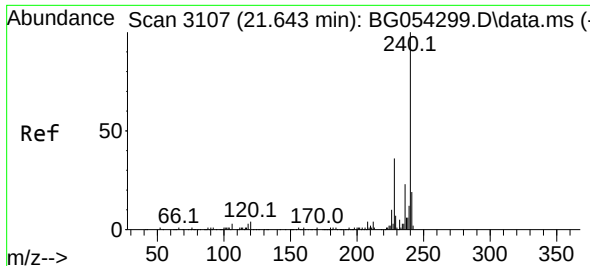


#75
 Fluoranthene
 Concen: 64.146 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. -0.001 min
 Lab File: BG054542.D
 Acq: 5 Aug 2022 19:45



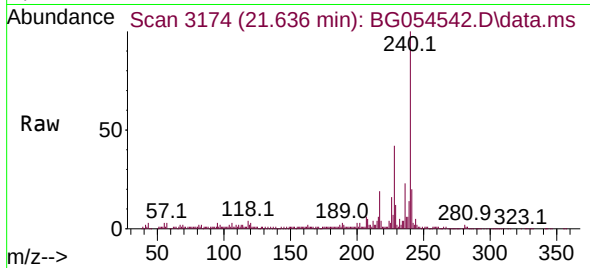
Tgt Ion:202 Resp: 517443
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 26.9
 203 19.6 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3107
Delta R.T. -0.001 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

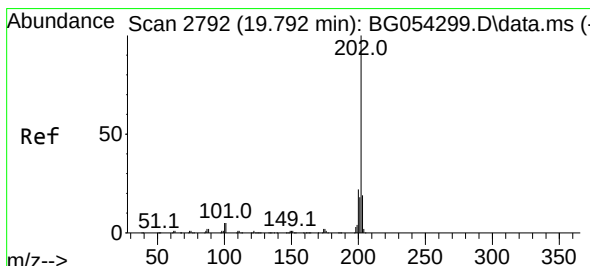
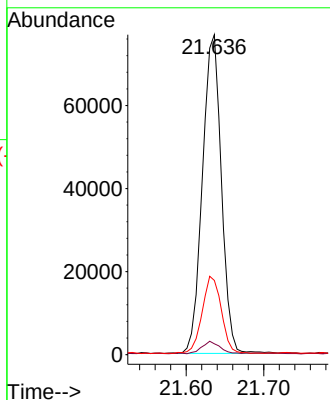
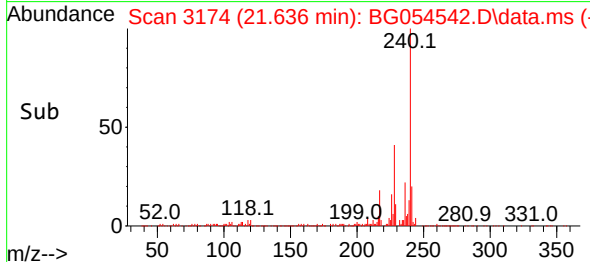
Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP



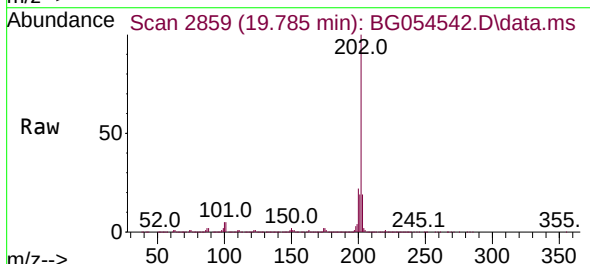
Tgt Ion:240 Resp: 130150
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0
236 23.2 20.2 30.4

Manual Integrations
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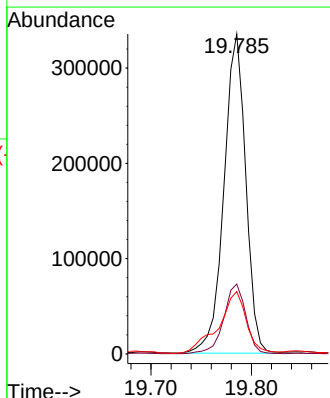
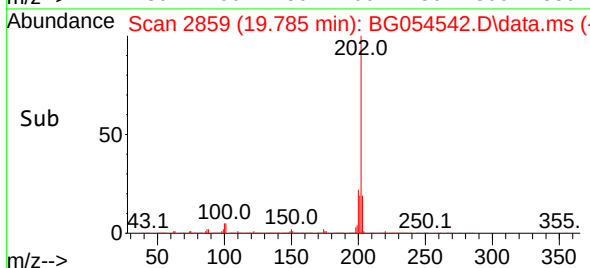
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

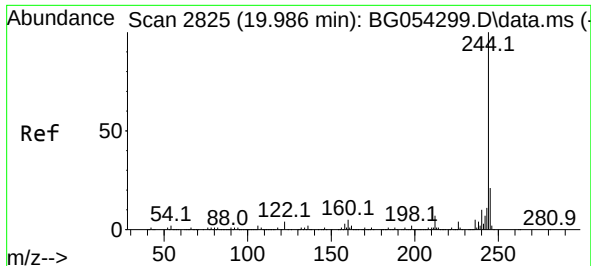


#78
Pyrene
Concen: 67.664 ng
RT: 19.785 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45



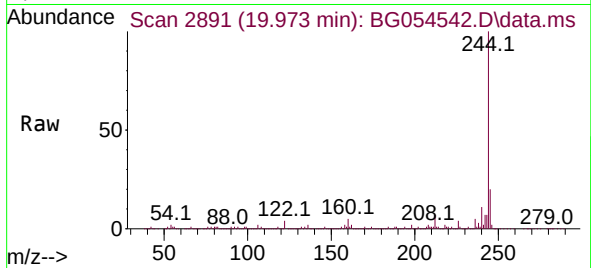
Tgt Ion:202 Resp: 505310
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 19.5 14.6 21.8





#79
 Terphenyl-d14
 Concen: 68.598 ng
 RT: 19.973 min Scan# 2825
 Delta R.T. -0.007 min
 Lab File: BG054542.D
 Acq: 5 Aug 2022 19:45

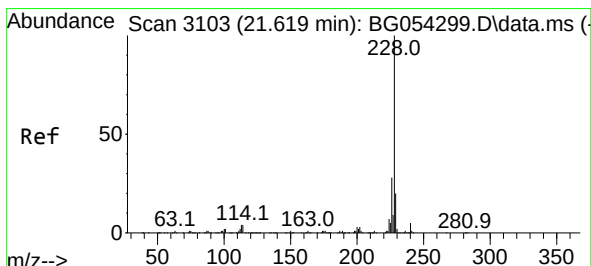
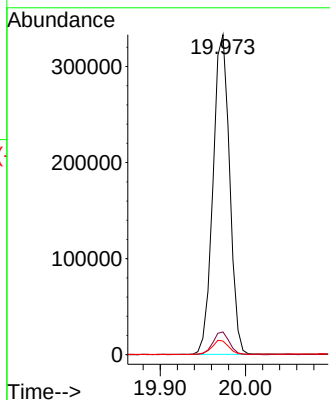
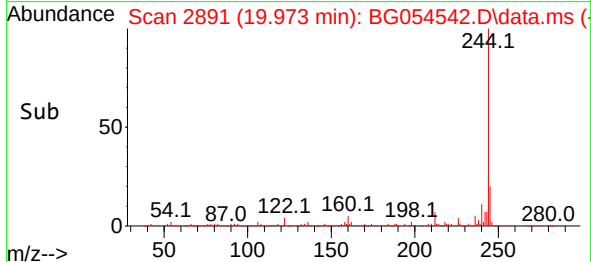
Instrument :
 BNA_G
 ClientSampleId :
 JERSEY-CITY-SP



Tgt Ion:244 Resp: 450049
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.2 5.0 7.4

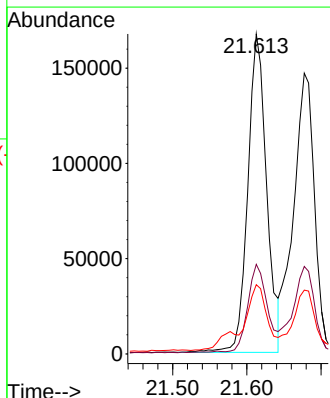
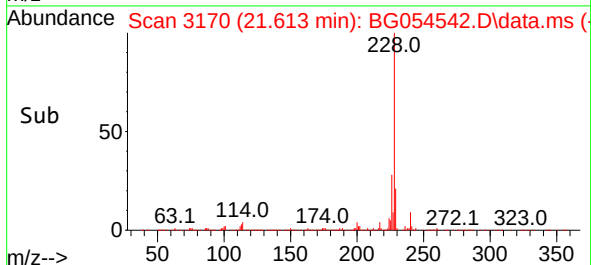
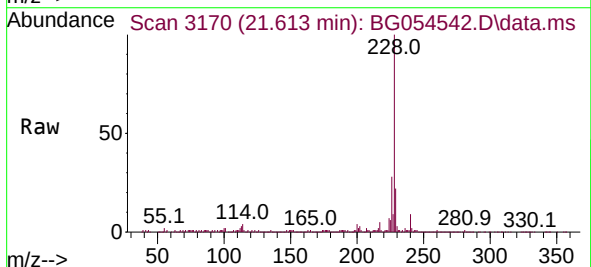
Manual Integrations
 APPROVED

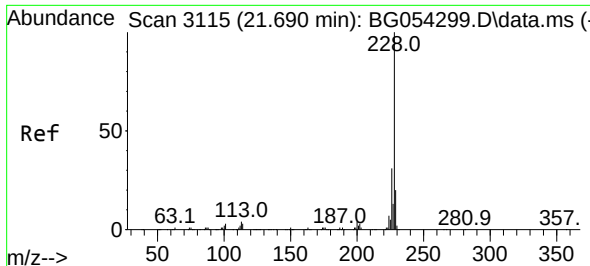
Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022



#81
 Benzo(a)anthracene
 Concen: 35.676 ng
 RT: 21.613 min Scan# 3170
 Delta R.T. -0.001 min
 Lab File: BG054542.D
 Acq: 5 Aug 2022 19:45

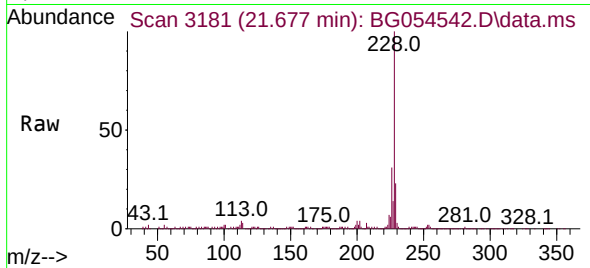
Tgt Ion:228 Resp: 294753
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.6 32.4
 229 21.6 16.2 24.2





#83
Chrysene
Concen: 36.917 ng
RT: 21.677 min Scan# 3115
Delta R.T. -0.007 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

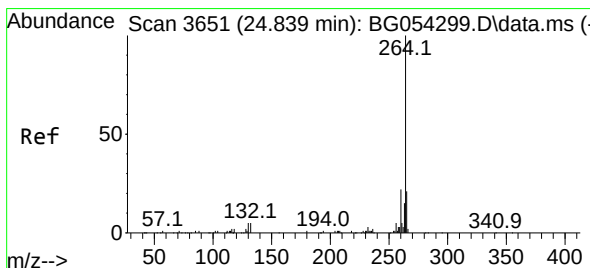
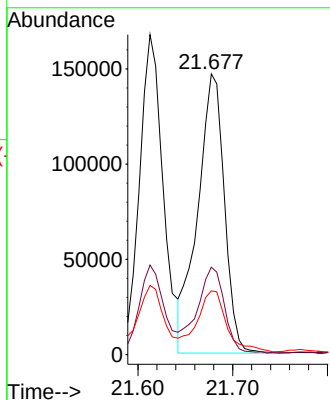
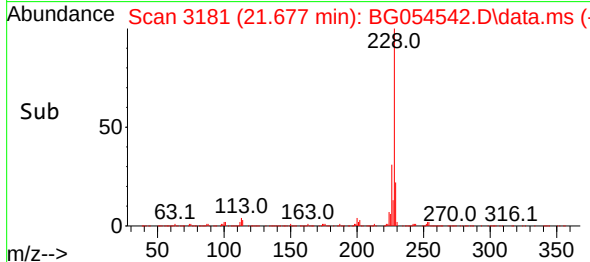
Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP



Tgt Ion:228 Resp: 288160
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 22.7 15.5 23.3

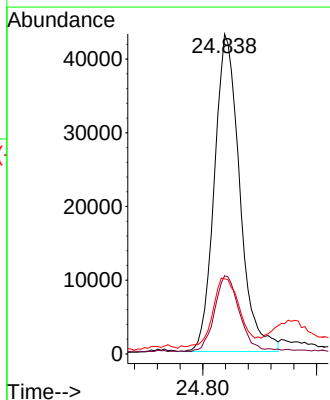
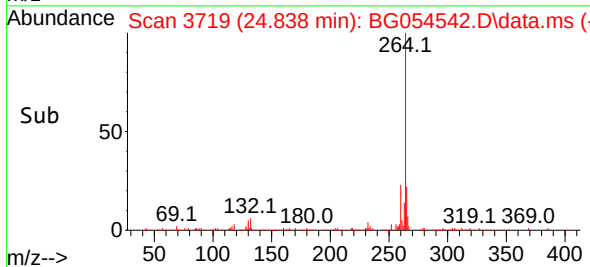
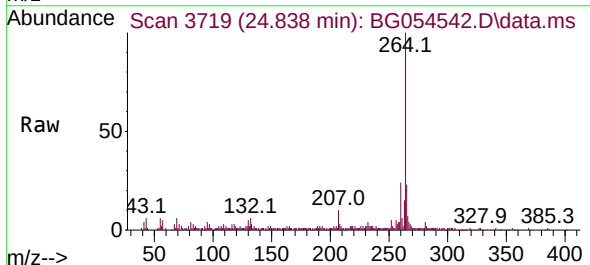
Manual Integrations
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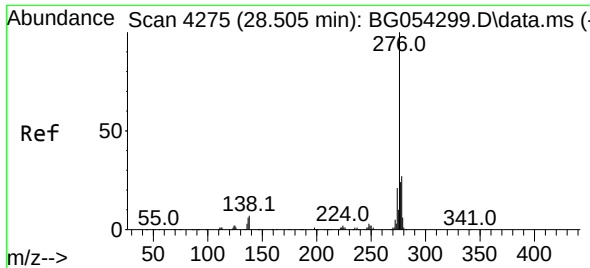
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.838 min Scan# 3719
Delta R.T. 0.005 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

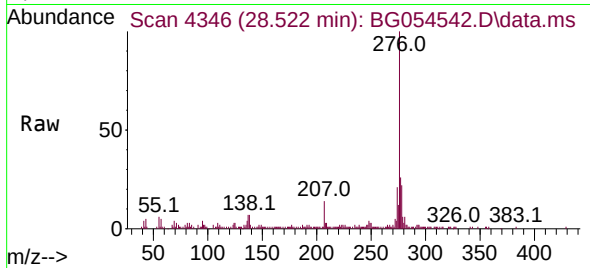
Tgt Ion:264 Resp: 133604
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 23.5 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 17.469 ng
RT: 28.522 min Scan# 4346
Delta R.T. 0.005 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

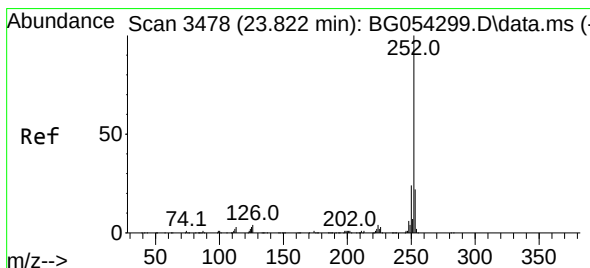
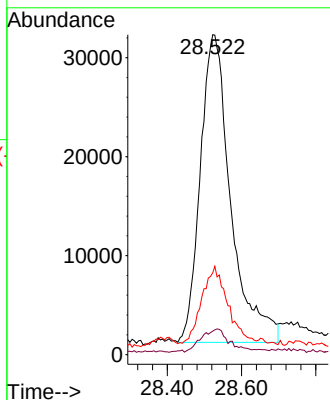
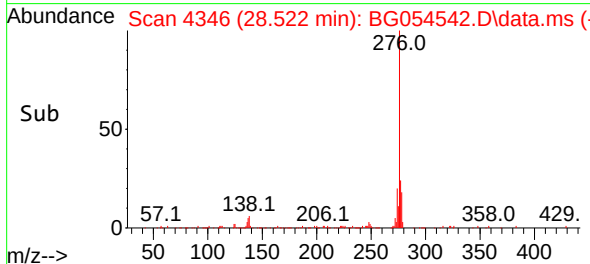
Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP



Tgt Ion:276 Resp: 177552
Ion Ratio Lower Upper
276 100
138 6.8 5.0 7.4
277 21.1 20.3 30.5

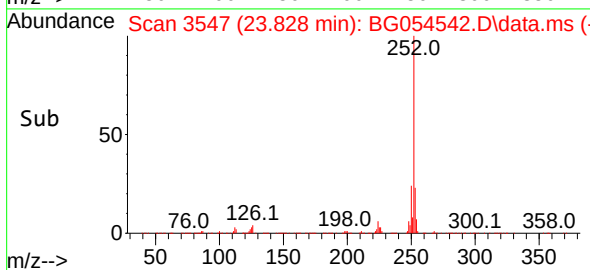
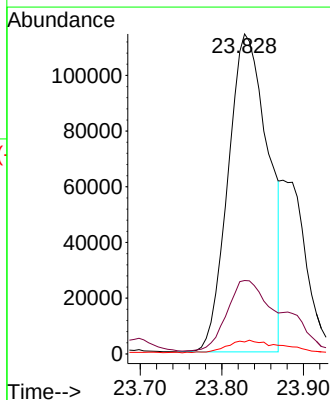
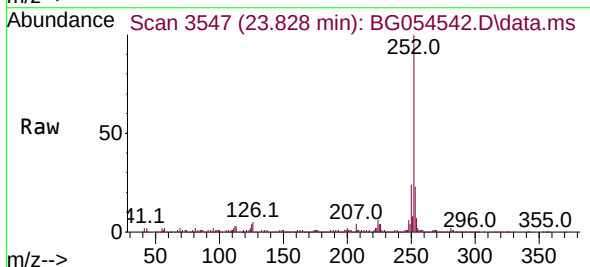
Manual Integrations
APPROVED

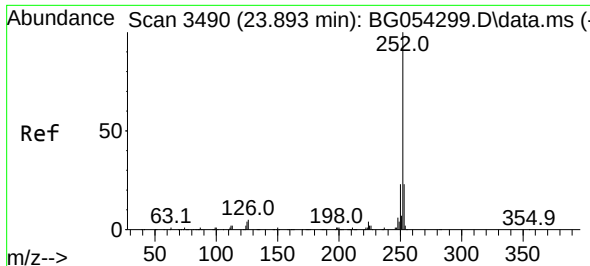
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#88
Benzo(b)fluoranthene
Concen: 49.191 ng m
RT: 23.828 min Scan# 3547
Delta R.T. 0.005 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

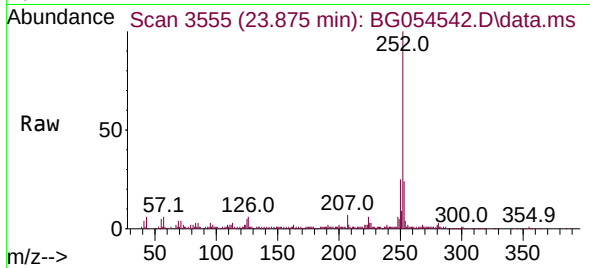
Tgt Ion:252 Resp: 388666
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 3.7 4.6 6.8#





#89
Benzo(k)fluoranthene
Concen: 16.513 ng m
RT: 23.875 min Scan# 3490
Delta R.T. -0.013 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

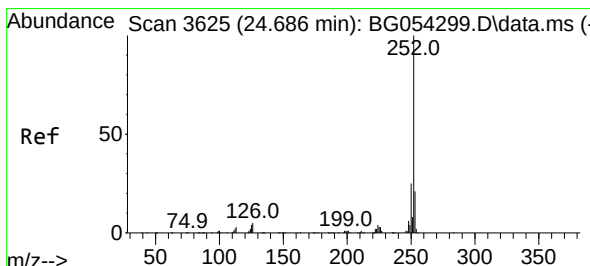
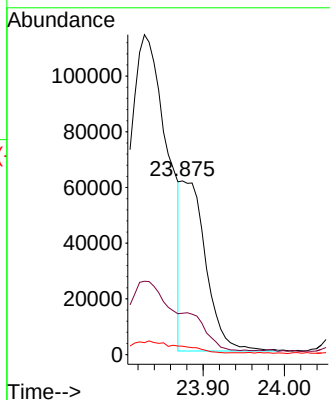
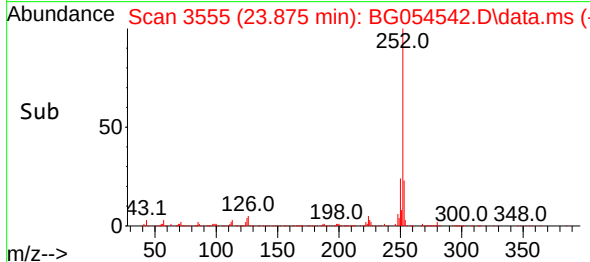
Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP



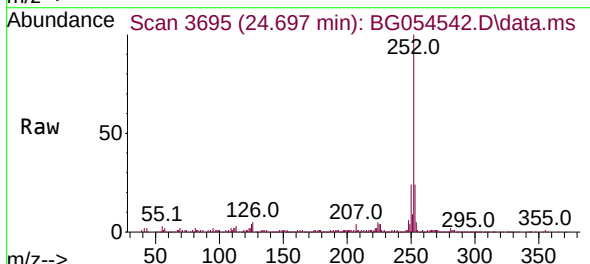
Tgt Ion:252 Resp: 129851
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 4.8 4.8 7.2

Manual Integrations
APPROVED

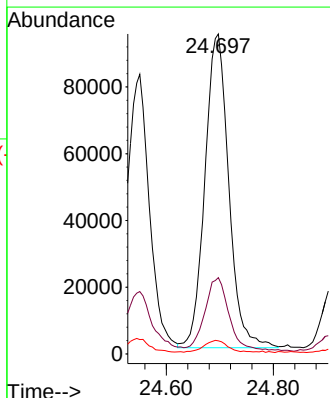
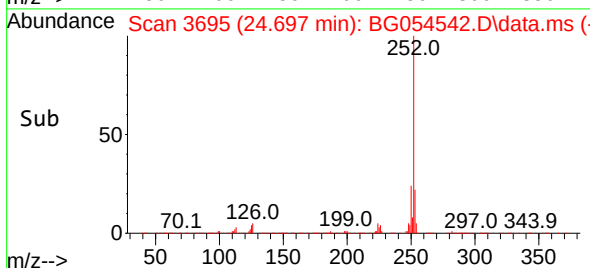
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

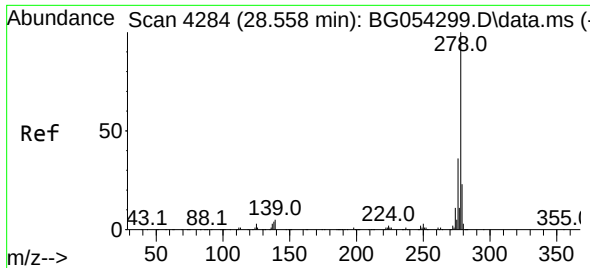


#90
Benzo(a)pyrene
Concen: 43.264 ng m
RT: 24.697 min Scan# 3695
Delta R.T. 0.011 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45



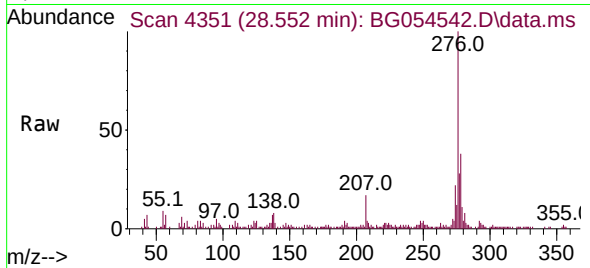
Tgt Ion:252 Resp: 291933
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 4.1 4.3 6.5





#91
Dibenzo(a,h)anthracene
Concen: 5.445 ng m
RT: 28.552 min Scan# 4351
Delta R.T. -0.013 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45

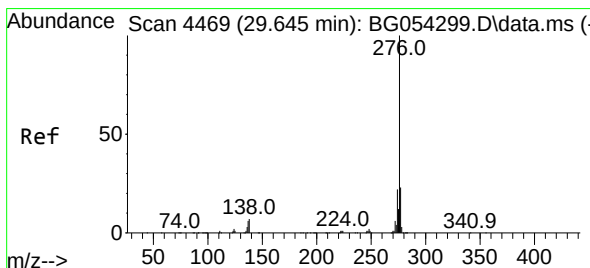
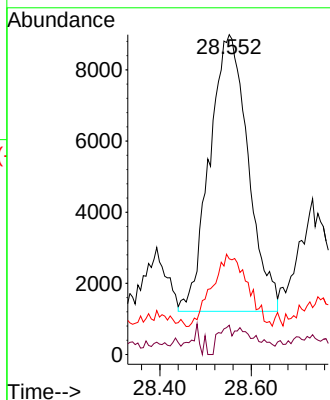
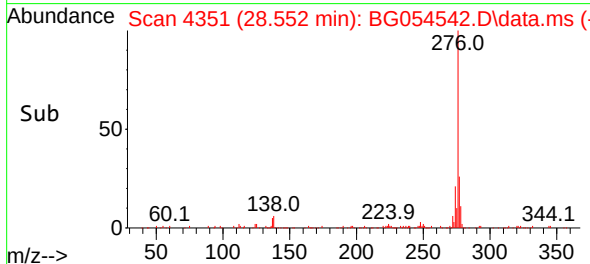
Instrument :
BNA_G
ClientSampleId :
JERSEY-CITY-SP



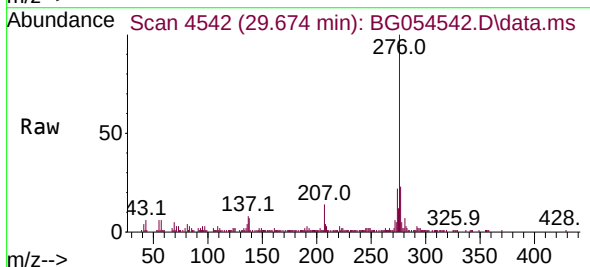
Tgt Ion:278 Resp: 4551
Ion Ratio Lower Upper
278 100
139 9.2 7.2 10.8
279 29.9 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#92
Benzo(g,h,i)perylene
Concen: 22.290 ng
RT: 29.674 min Scan# 4542
Delta R.T. 0.011 min
Lab File: BG054542.D
Acq: 5 Aug 2022 19:45



Tgt Ion:276 Resp: 183864
Ion Ratio Lower Upper
276 100
277 23.5 17.3 25.9
138 7.4 9.6 14.4

