

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
 Data File : BG052764.D
 Acq On : 21 Mar 2022 12:12
 Operator : CG/JU
 Sample : N1983-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 124019

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/22/2022
 Supervised By : Jagrut Upadhyay 03/22/2022

Quant Time: Mar 21 13:26:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 15:56:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.146	152	48640	20.000	ng	-0.01
21) Naphthalene-d8	10.960	136	194917	20.000	ng	-0.01
39) Acenaphthene-d10	14.766	164	134080	20.000	ng	0.00
64) Phenanthrene-d10	17.510	188	291742	20.000	ng	0.00
76) Chrysene-d12	21.798	240	305191	20.000	ng	-0.01
86) Perylene-d12	25.111	264	324551	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	263081	94.194	ng	0.00
7) Phenol-d6	7.294	99	394728	93.744	ng	0.00
23) Nitrobenzene-d5	9.303	82	267069	68.769	ng	-0.01
42) 2,4,6-Tribromophenol	16.247	330	161396	89.581	ng	-0.01
45) 2-Fluorobiphenyl	13.392	172	523831	57.620	ng	-0.01
79) Terphenyl-d14	20.112	244	953335	55.566	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.013	128	112236	11.135	ng	100
37) 2-Methylnaphthalene	12.605	142	139078	18.841	ng	96
38) 1-Methylnaphthalene	12.822	142	85588m	11.880	ng	
46) 1,1'-Biphenyl	13.603	154	59759	6.373	ng	98
52) Acenaphthene	14.831	154	246714	32.716	ng	94
55) Dibenzofuran	15.160	168	328442	26.670	ng	97
58) Fluorene	15.812	166	358042	35.667	ng	96
71) Phenanthrene	17.557	178	1450119	92.912	ng	99
72) Anthracene	17.645	178	199811	12.950	ng	97
73) Carbazole	17.903	167	102045	6.678	ng	98
75) Fluoranthene	19.554	202	814902	41.132	ng	96
78) Pyrene	19.918	202	528738	24.976	ng	97
81) Benzo(a)anthracene	21.774	228	120199	5.882	ng	96
83) Chrysene	21.839	228	103034	5.363	ng	98
84) Bis(2-ethylhexyl)phtha...	21.680	149	23563	2.307	ng	# 96
88) Benzo(b)fluoranthene	24.060	252	73535	3.649	ng	96
90) Benzo(a)pyrene	24.947	252	48093	2.819	ng	# 93

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

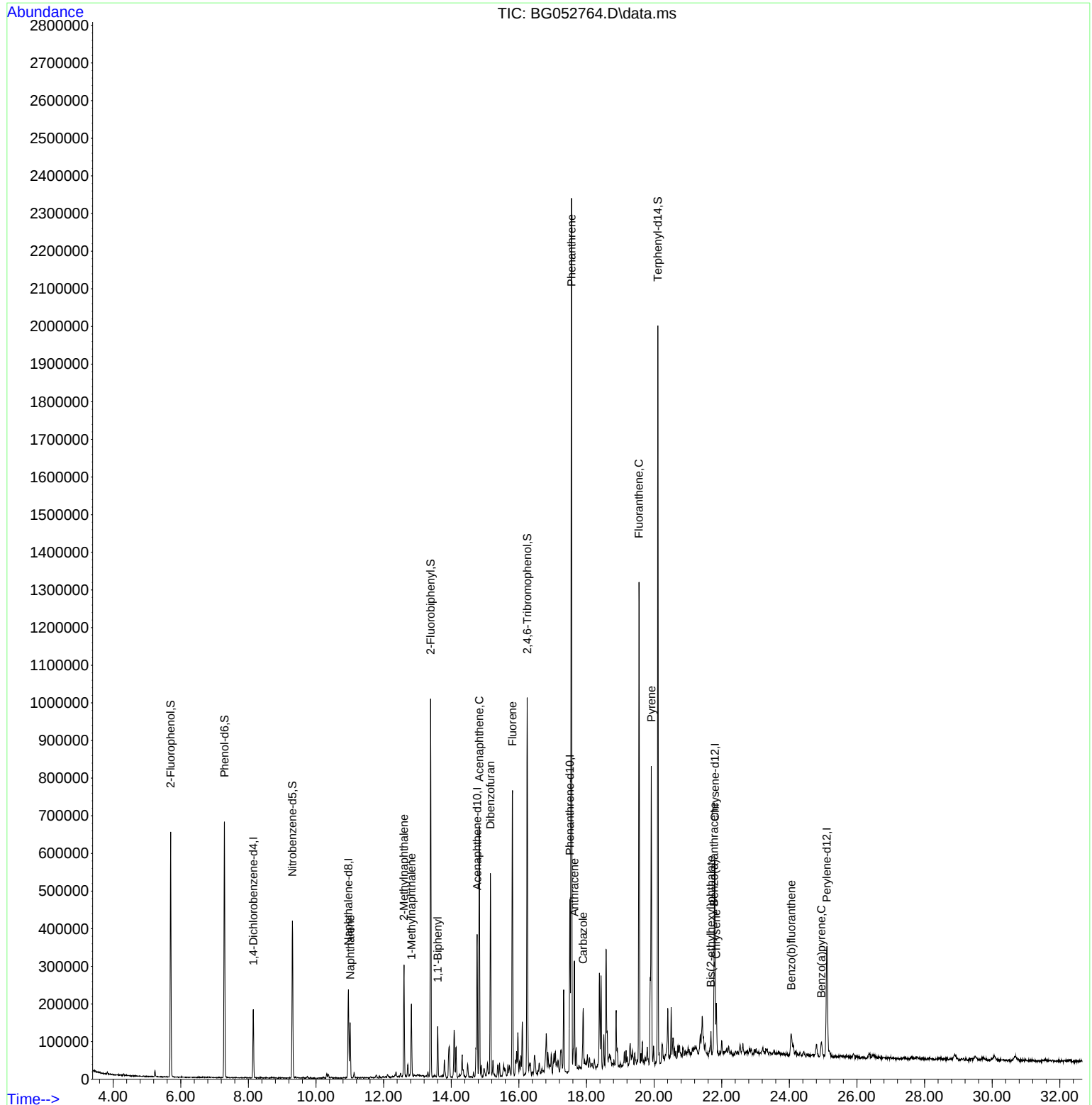
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052764.D
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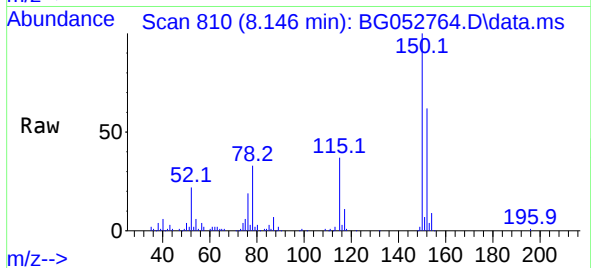
Quant Time: Mar 21 13:26:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 15 15:56:10 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.146 min Scan# 81
Delta R.T. -0.014 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

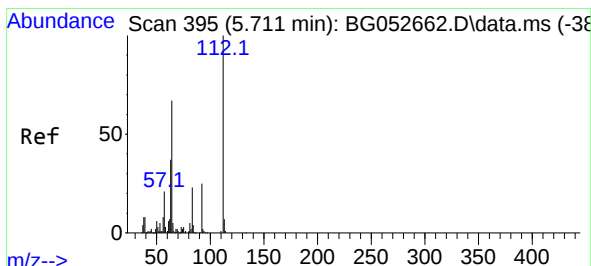
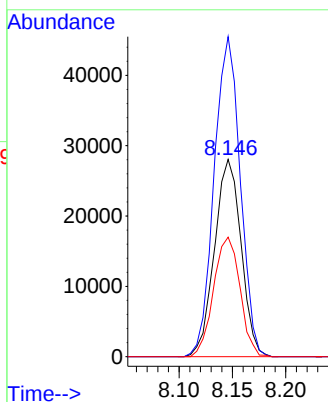
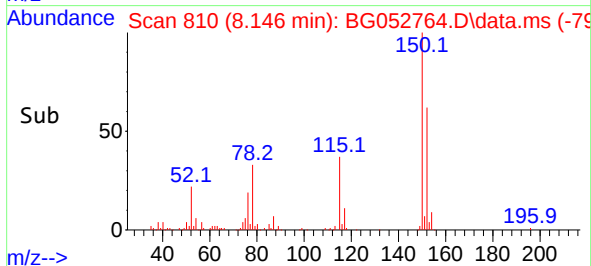
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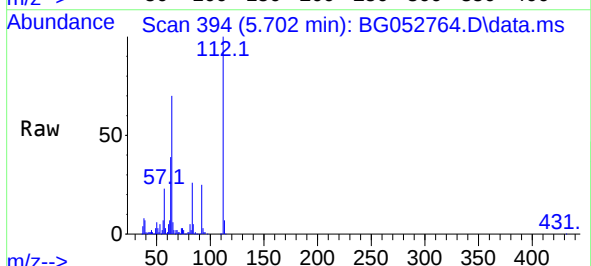
Tgt Ion:152 Resp: 48640
Ion Ratio Lower Upper
152 100
150 162.2 114.6 172.0
115 60.6 45.9 68.9

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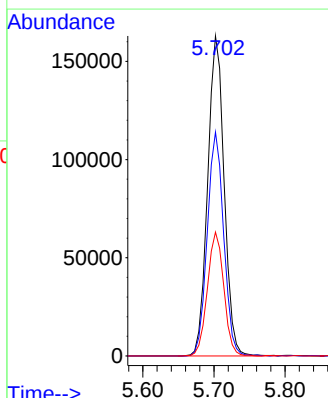
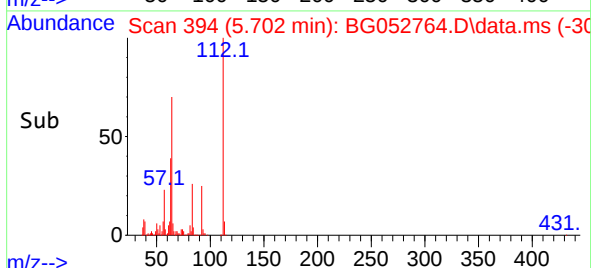
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

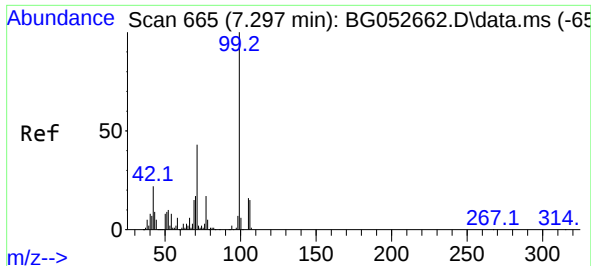


#5
2-Fluorophenol
Concen: 94.194 ng
RT: 5.702 min Scan# 394
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12



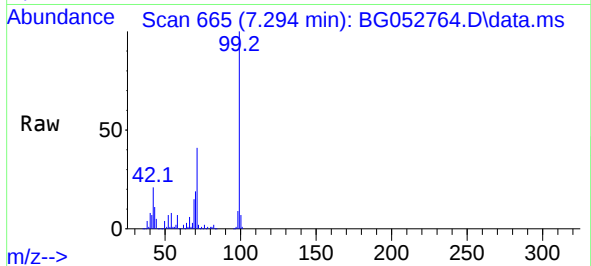
Tgt Ion:112 Resp: 263081
Ion Ratio Lower Upper
112 100
64 70.0 48.0 72.0
63 38.7 26.5 39.7





#7
Phenol-d6
Concen: 93.744 ng
RT: 7.294 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

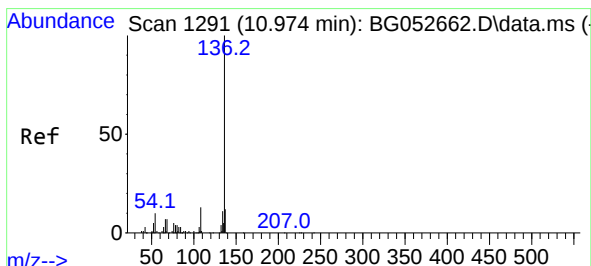
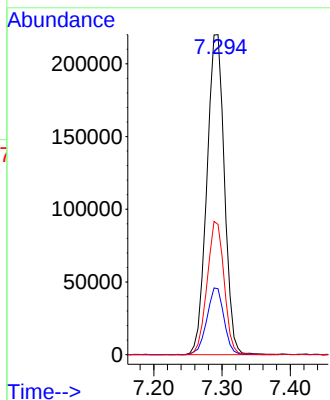
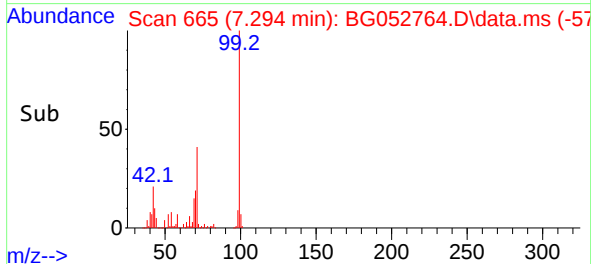
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 394728
Ion Ratio Lower Upper
99 100
42 20.6 14.7 22.1
71 40.7 29.2 43.8

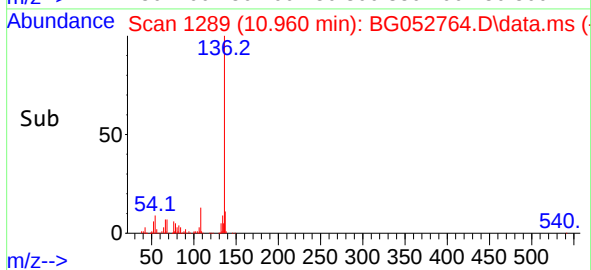
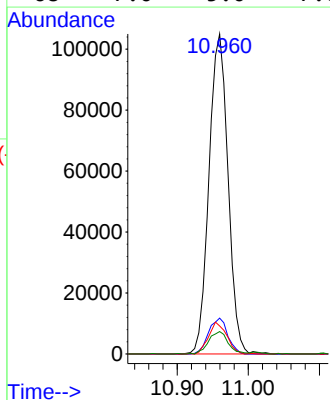
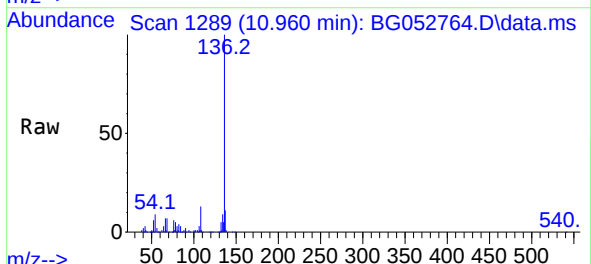
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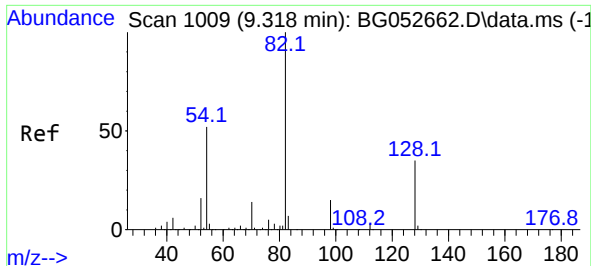
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.960 min Scan# 1289
Delta R.T. -0.014 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

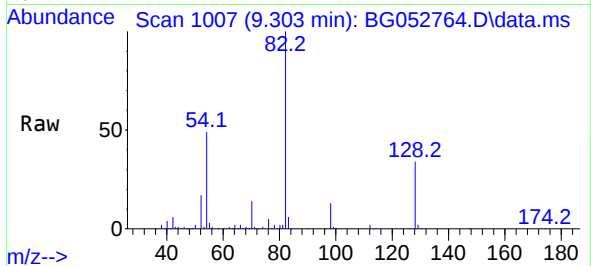
Tgt Ion:136 Resp: 194917
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.2
54 8.7 6.4 9.6
68 7.0 5.0 7.6





#23
Nitrobenzene-d5
Concen: 68.769 ng
RT: 9.303 min Scan# 1007
Delta R.T. -0.015 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

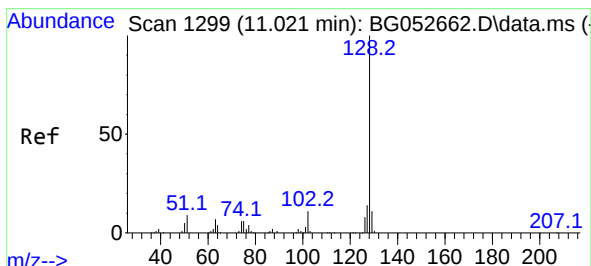
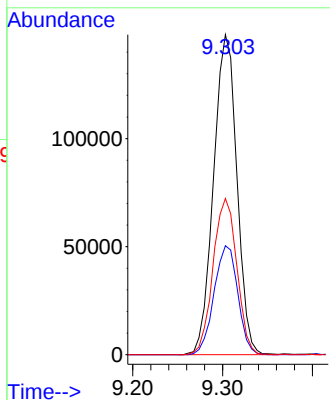
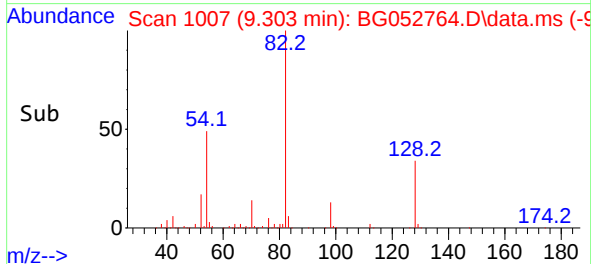
Instrument :
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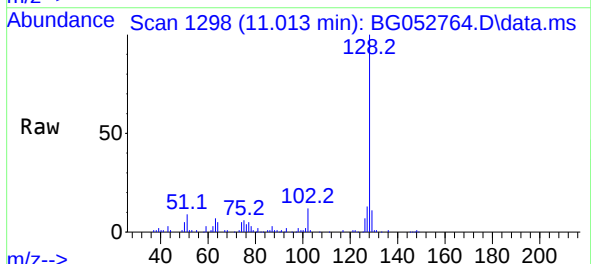
Tgt Ion: 82 Resp: 267069
Ion Ratio Lower Upper
82 100
128 34.1 31.3 46.9
54 48.8 37.8 56.8

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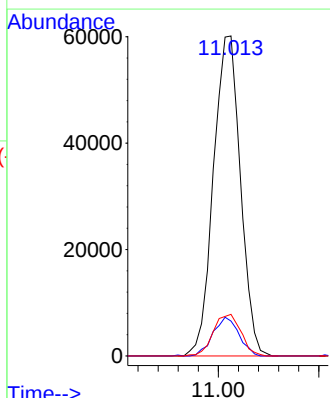
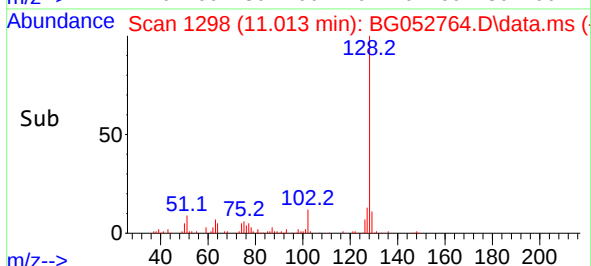
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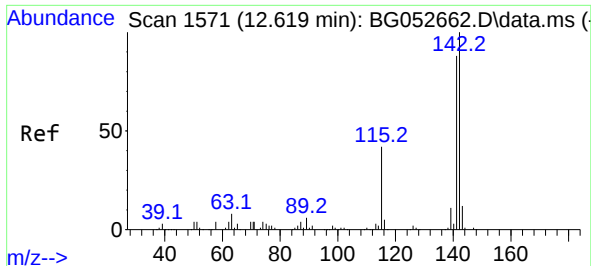


#31
Naphthalene
Concen: 11.135 ng
RT: 11.013 min Scan# 1298
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12



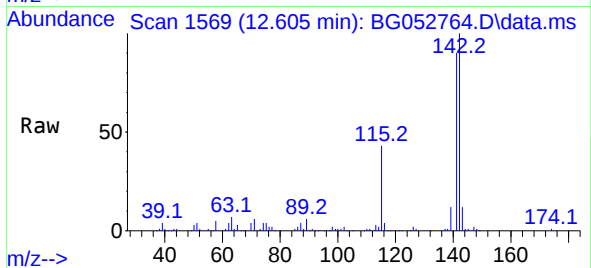
Tgt Ion:128 Resp: 112236
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.0 10.5 15.7





#37
2-Methylnaphthalene
Concen: 18.841 ng
RT: 12.605 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

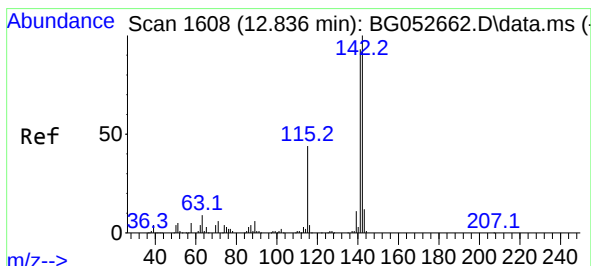
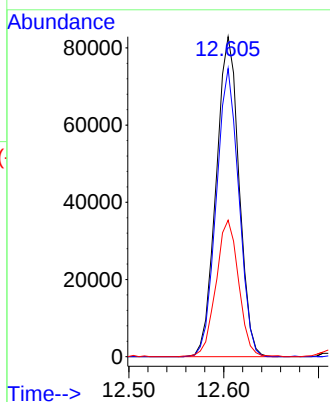
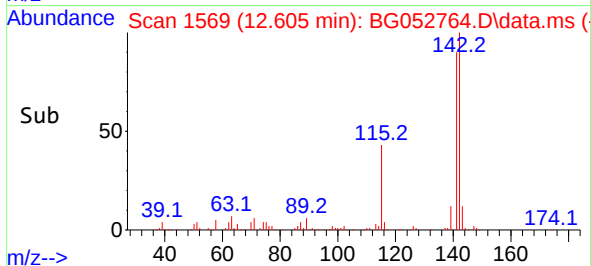
Instrument :
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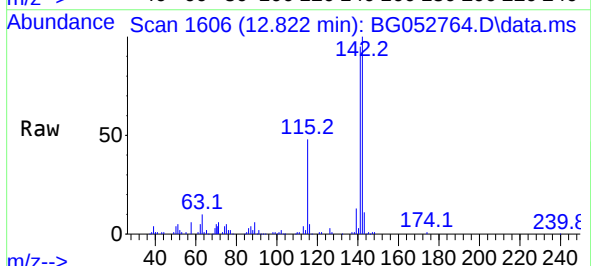
Tgt Ion:142 Resp: 139078
Ion Ratio Lower Upper
142 100
141 90.1 71.3 106.9
115 42.6 29.5 44.3

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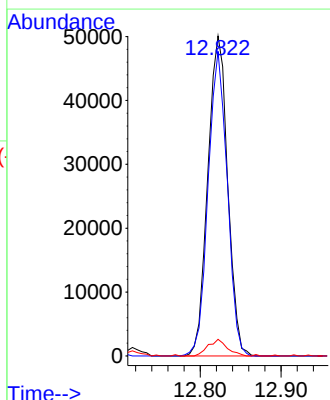
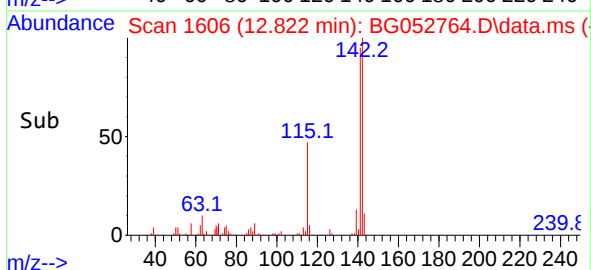
Reviewed By :Christian Giraldo 03/22/2022
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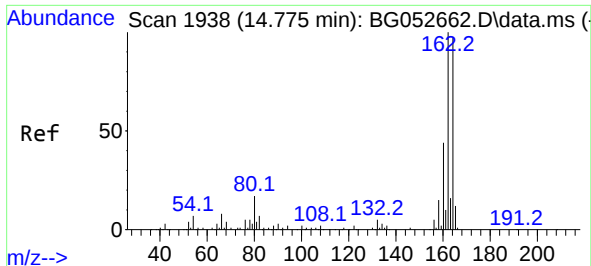


#38
1-Methylnaphthalene
Concen: 11.880 ng m
RT: 12.822 min Scan# 1606
Delta R.T. -0.015 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12



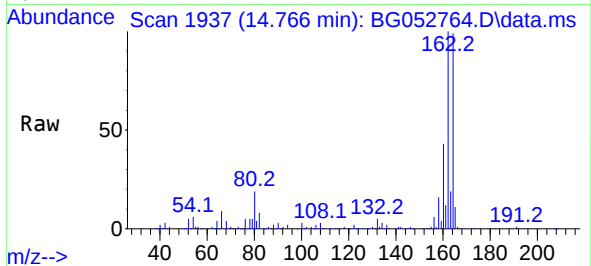
Tgt Ion:142 Resp: 85588
Ion Ratio Lower Upper
142 100
141 95.2 70.5 105.7
116 5.2 3.1 4.7#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.766 min Scan# 1937
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

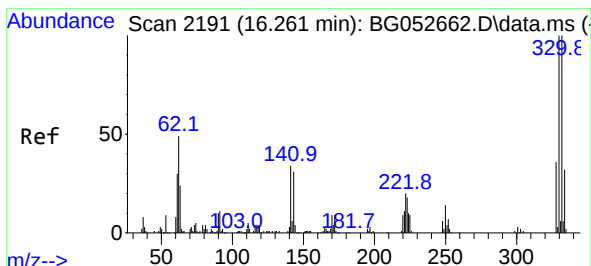
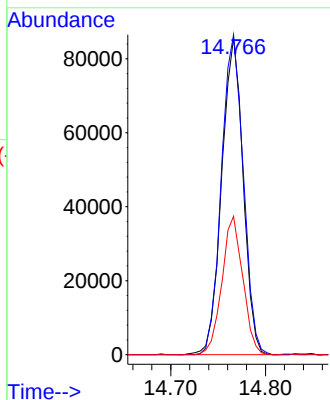
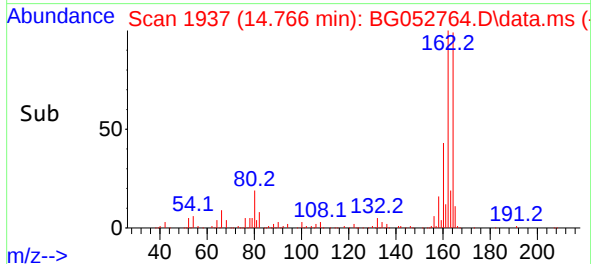
Instrument :
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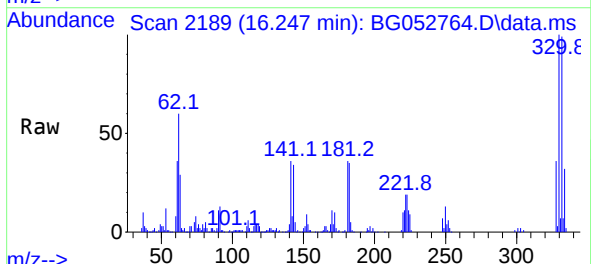
Tgt Ion:164 Resp: 134080
Ion Ratio Lower Upper
164 100
162 101.0 80.0 120.0
160 43.7 38.8 58.2

Manual Integrations
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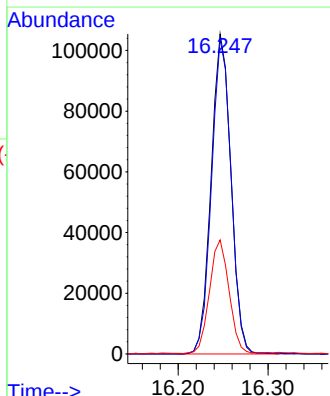
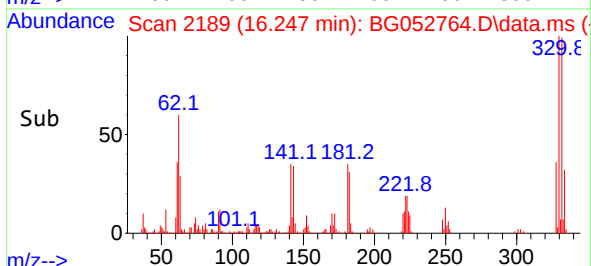
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

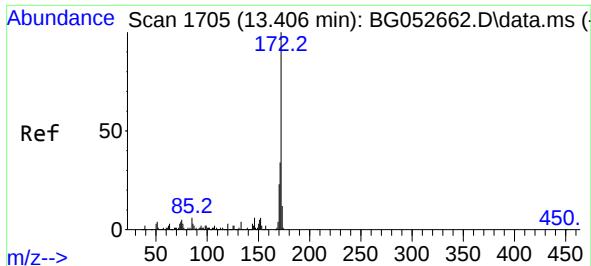


#42
2,4,6-Tribromophenol
Concen: 89.581 ng
RT: 16.247 min Scan# 2189
Delta R.T. -0.015 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12



Tgt Ion:330 Resp: 161396
Ion Ratio Lower Upper
330 100
332 97.2 75.8 113.6
141 35.0 24.6 36.8





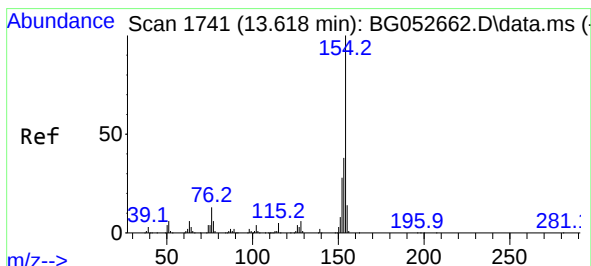
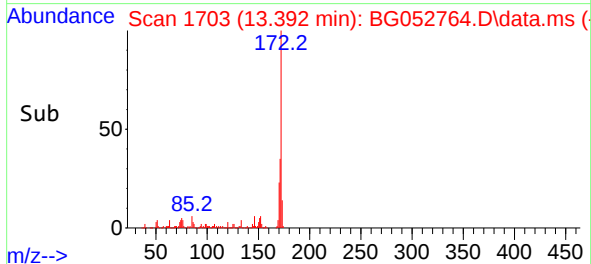
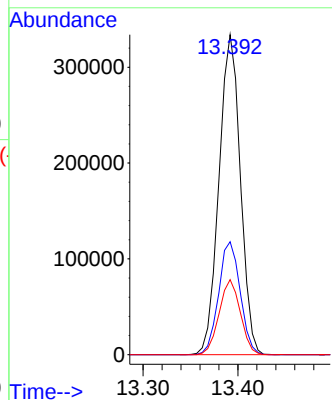
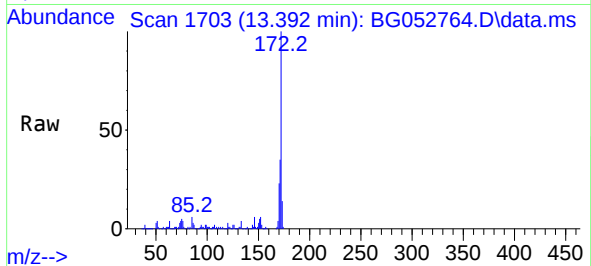
#45
2-Fluorobiphenyl
Concen: 57.620 ng
RT: 13.392 min Scan# 1739
Delta R.T. -0.015 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

Instrument :
BNA_G
ClientSampleId :
124019

Tgt Ion:172 Resp: 52383
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.5 18.0 27.0

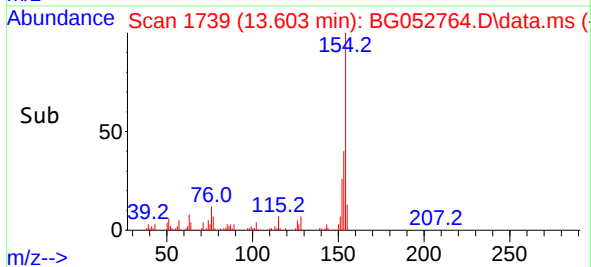
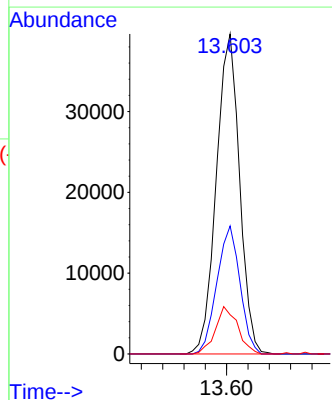
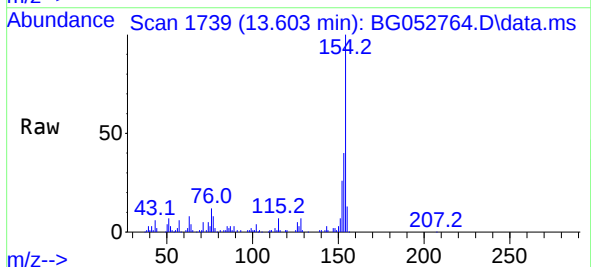
Manual Integrations
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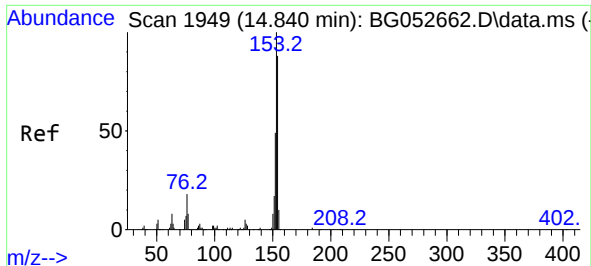
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#46
1,1'-Biphenyl
Concen: 6.373 ng
RT: 13.603 min Scan# 1739
Delta R.T. -0.015 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

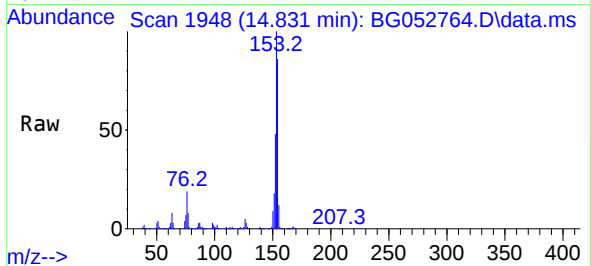
Tgt Ion:154 Resp: 59759
Ion Ratio Lower Upper
154 100
153 40.0 21.6 61.6
76 12.3 0.0 31.5





#52
Acenaphthene
Concen: 32.716 ng
RT: 14.831 min Scan# 1949
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

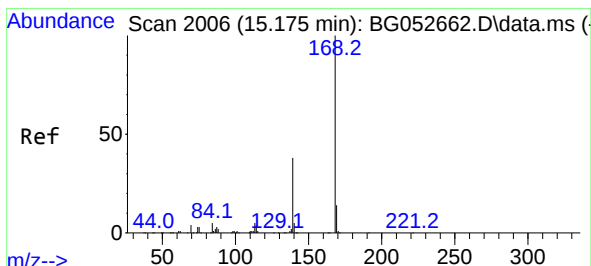
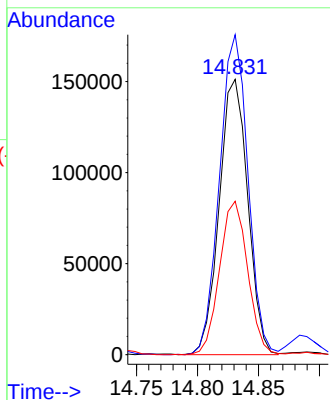
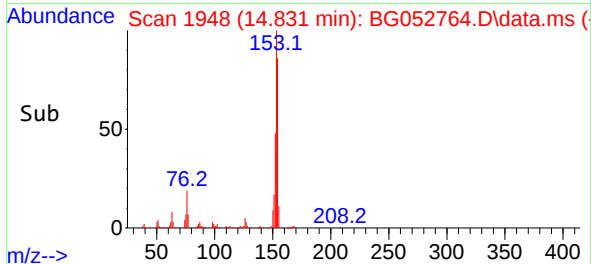
Instrument :
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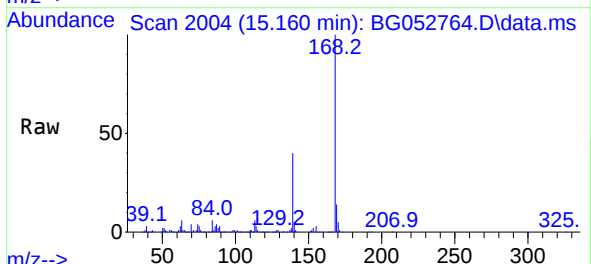
Tgt Ion:154 Resp: 246714
Ion Ratio Lower Upper
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153 116.2 89.0 133.4
152 55.7 40.5 60.7

Manual Integrations
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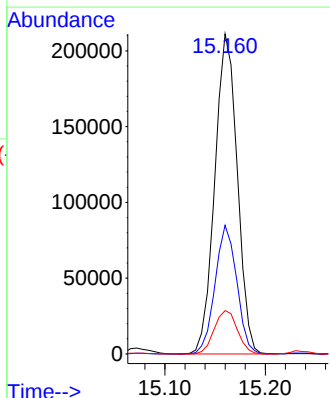
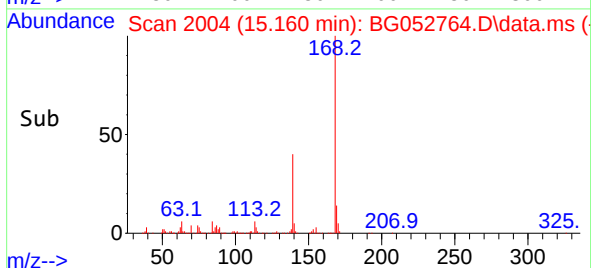
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

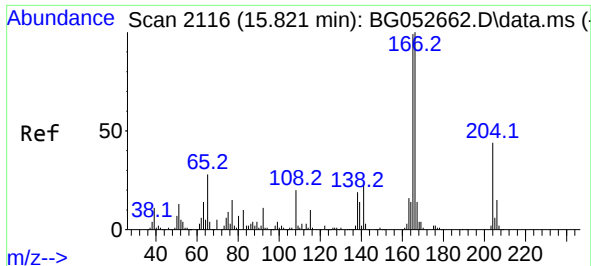


#55
Dibenzofuran
Concen: 26.670 ng
RT: 15.160 min Scan# 2004
Delta R.T. -0.015 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12



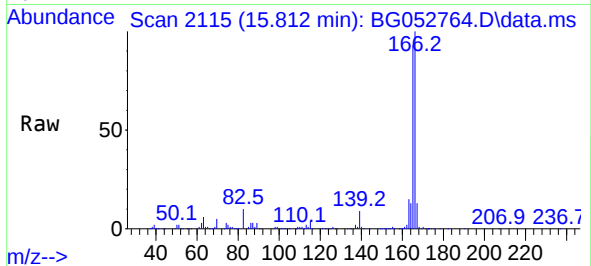
Tgt Ion:168 Resp: 328442
Ion Ratio Lower Upper
168 100
139 40.2 30.2 45.4
169 13.6 10.7 16.1





#58
Fluorene
Concen: 35.667 ng
RT: 15.812 min Scan# 2116
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

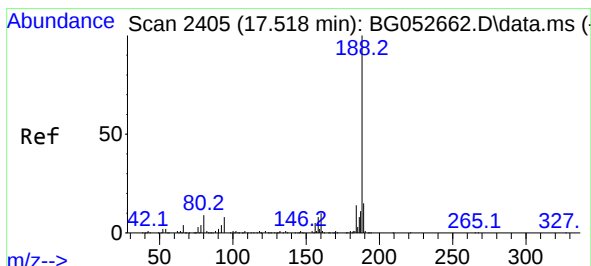
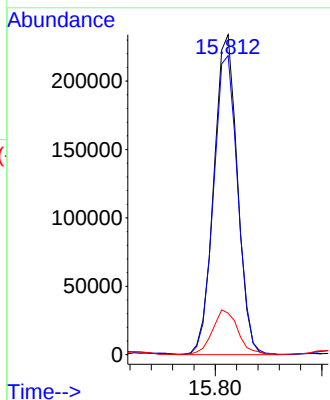
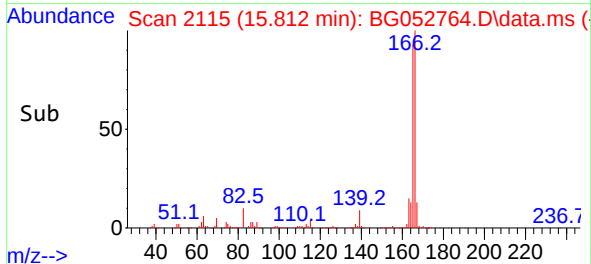
Instrument :
BNA_G
ClientSampleId :
124019



Tgt Ion:166 Resp: 35804
Ion Ratio Lower Upper
166 100
165 93.4 78.6 117.8
167 13.0 10.9 16.3

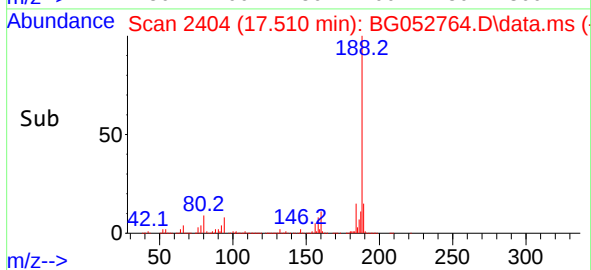
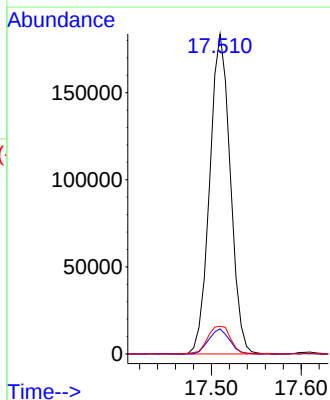
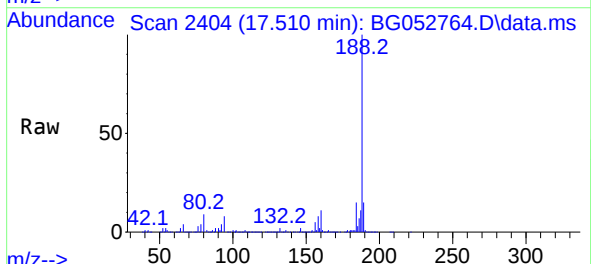
Manual Integrations
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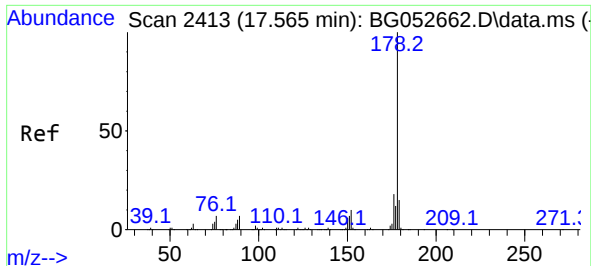
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.510 min Scan# 2404
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

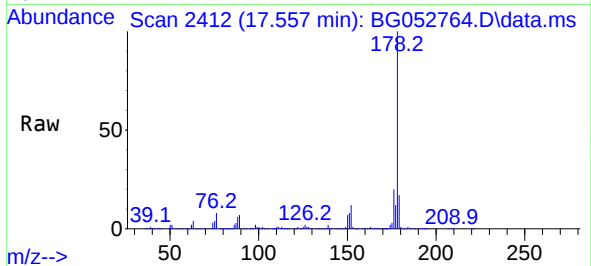
Tgt Ion:188 Resp: 291742
Ion Ratio Lower Upper
188 100
94 7.9 5.7 8.5
80 8.6 7.2 10.8





#71
Phenanthrene
Concen: 92.912 ng
RT: 17.557 min Scan# 2412
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

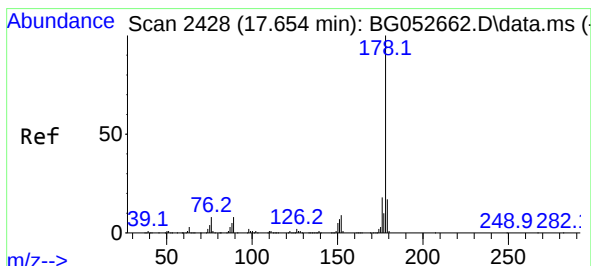
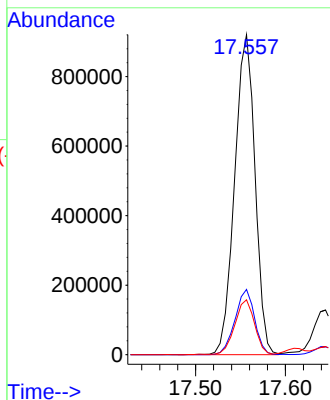
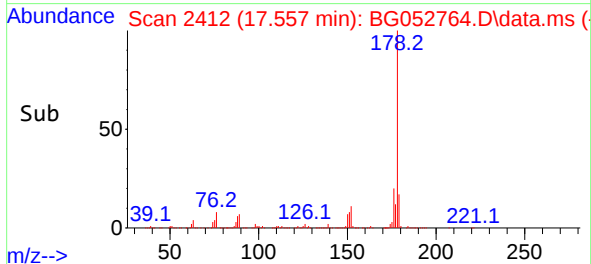
Instrument :
BNA_G
ClientSampleId :
124019



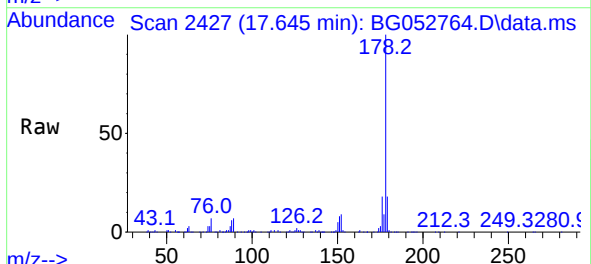
Tgt Ion:178 Resp: 1450119
Ion Ratio Lower Upper
178 100
176 20.4 15.9 23.9
179 17.1 13.4 20.2

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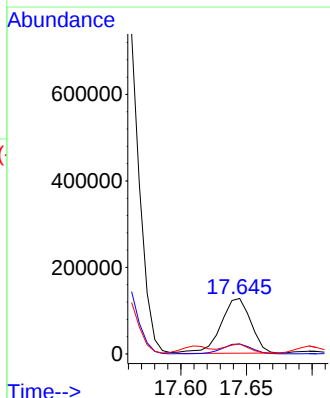
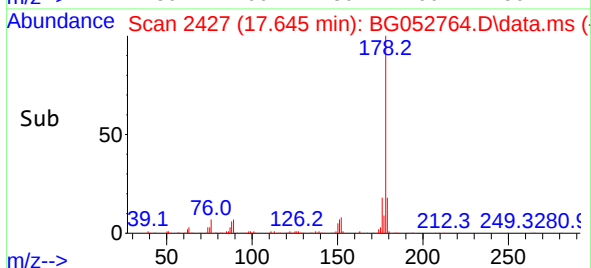
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

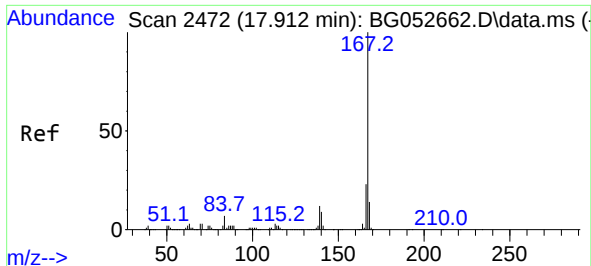


#72
Anthracene
Concen: 12.950 ng
RT: 17.645 min Scan# 2427
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12



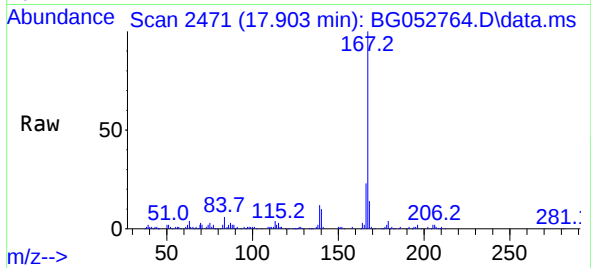
Tgt Ion:178 Resp: 199811
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 18.3 13.2 19.8





#73
Carbazole
Concen: 6.678 ng
RT: 17.903 min Scan# 2471
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

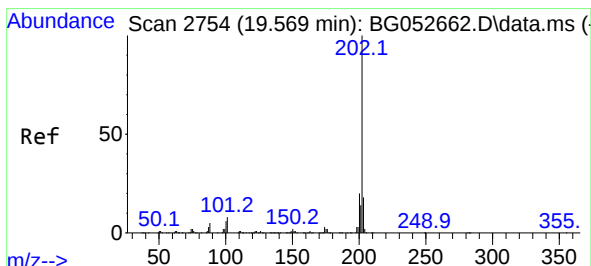
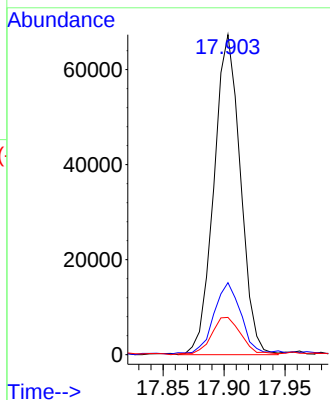
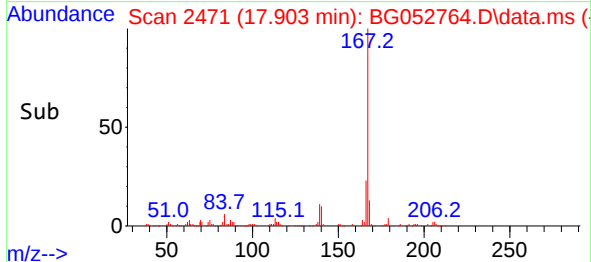
Instrument :
BNA_G
ClientSampleId :
124019



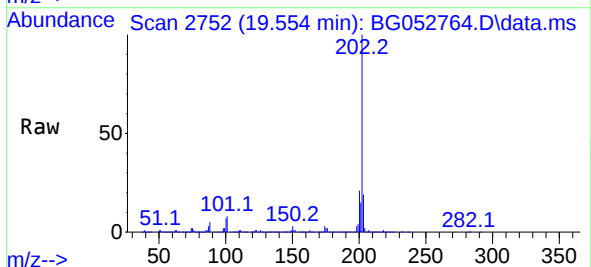
Tgt Ion:167 Resp: 102045
Ion Ratio Lower Upper
167 100
166 22.5 18.5 27.7
139 11.6 10.0 15.0

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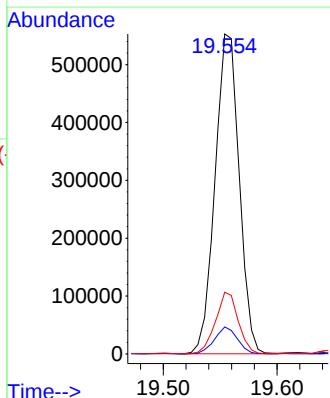
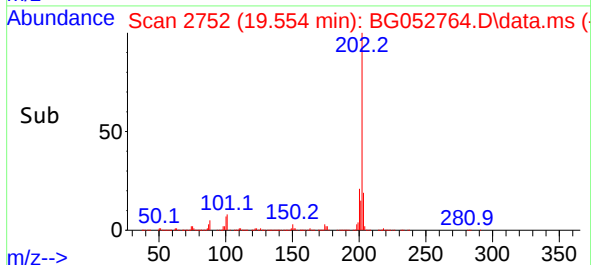
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

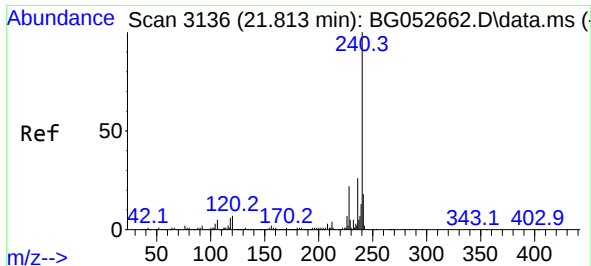


#75
Fluoranthene
Concen: 41.132 ng
RT: 19.554 min Scan# 2752
Delta R.T. -0.015 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12



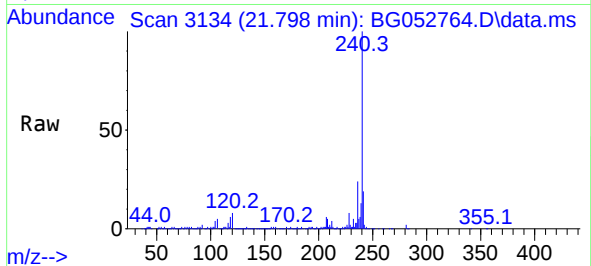
Tgt Ion:202 Resp: 814902
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.3
203 19.3 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.798 min Scan# 3136
Delta R.T. -0.015 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

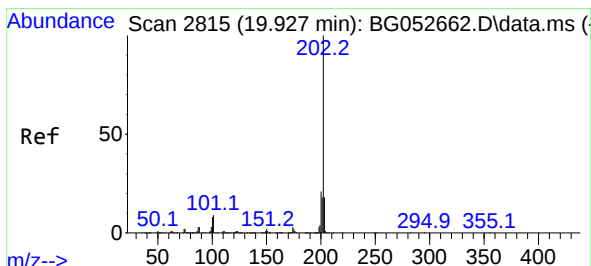
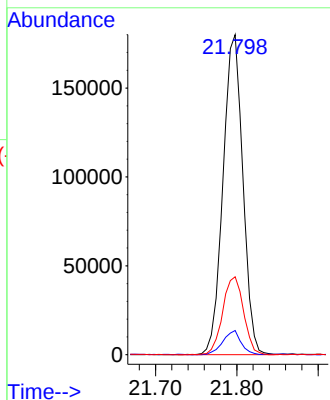
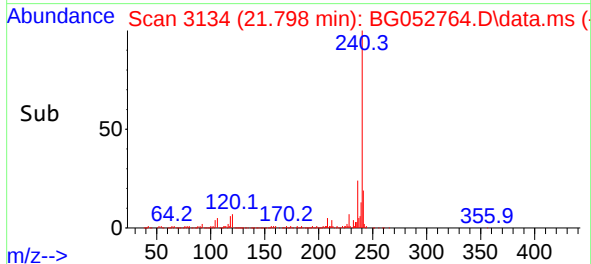
Instrument :
BNA_G
ClientSampleId :
124019



Tgt Ion:240 Resp: 30519
Ion Ratio Lower Upper
240 100
120 7.5 5.4 8.0
236 24.3 19.8 29.6

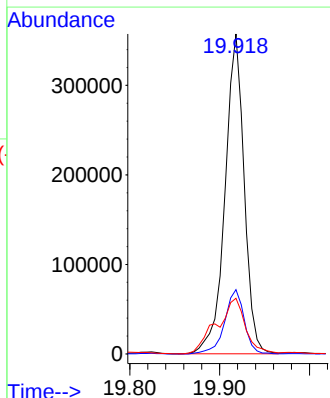
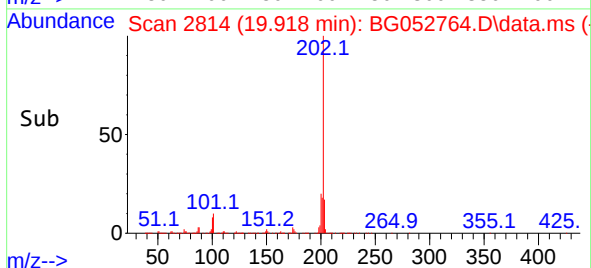
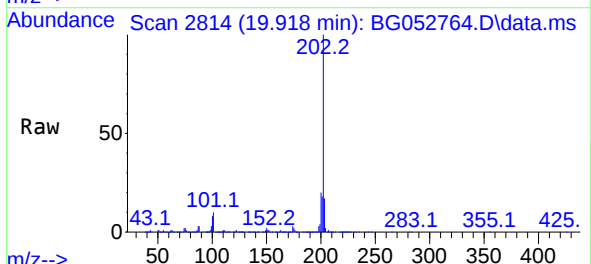
Manual Integrations
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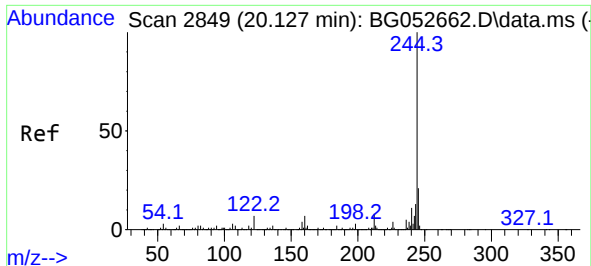
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#78
Pyrene
Concen: 24.976 ng
RT: 19.918 min Scan# 2814
Delta R.T. -0.009 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

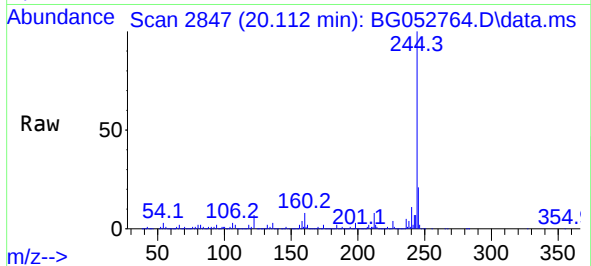
Tgt Ion:202 Resp: 528738
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.6
203 17.4 15.0 22.6





#79
 Terphenyl-d14
 Concen: 55.566 ng
 RT: 20.112 min Scan# 21
 Delta R.T. -0.015 min
 Lab File: BG052764.D
 Acq: 21 Mar 2022 12:12

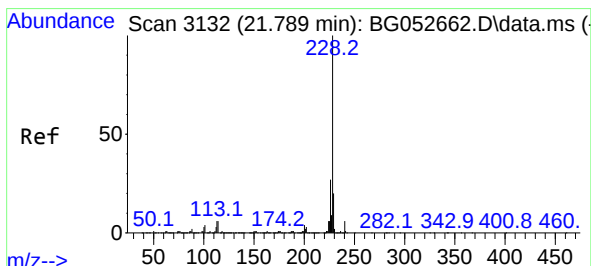
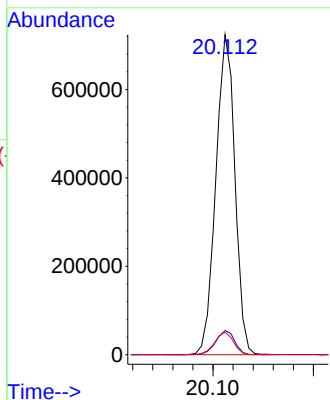
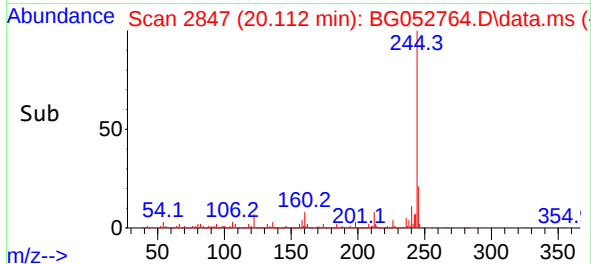
Instrument :
 BNA_G
 ClientSampleId :
 124019



Tgt Ion:244 Resp: 953335
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.2
 122 7.1 5.8 8.6

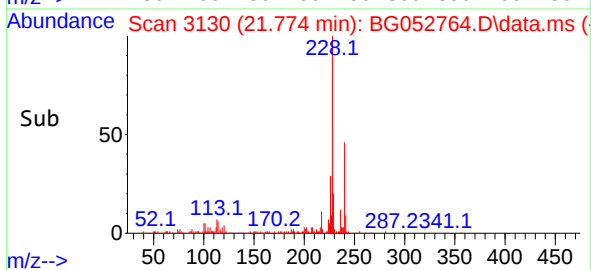
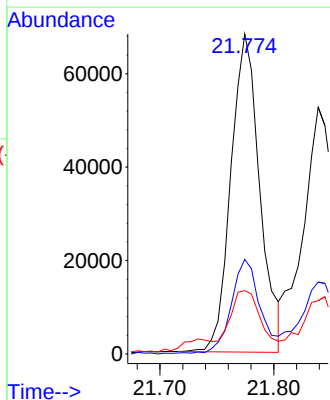
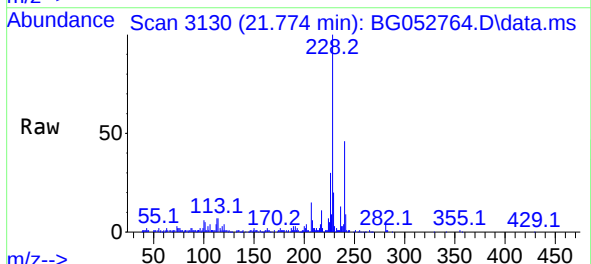
Manual Integrations
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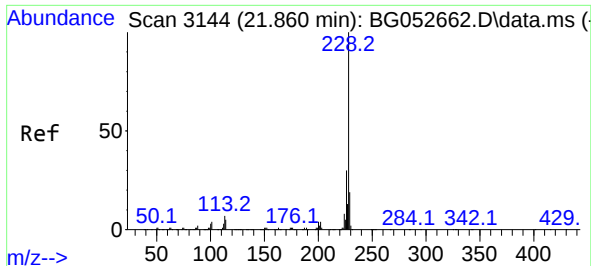
Reviewed By :Christian Giraldo 03/22/2022
 Supervised By :Jagrut Upadhyay 03/22/2022



#81
 Benzo(a)anthracene
 Concen: 5.882 ng
 RT: 21.774 min Scan# 3130
 Delta R.T. -0.015 min
 Lab File: BG052764.D
 Acq: 21 Mar 2022 12:12

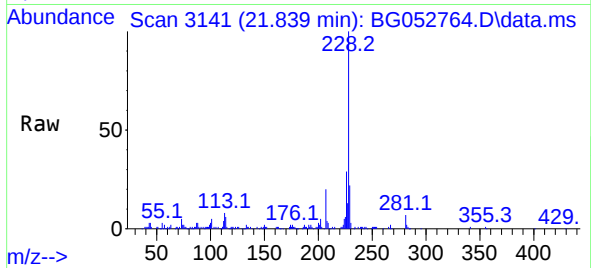
Tgt Ion:228 Resp: 120199
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.4 32.0
 229 19.8 16.7 25.1





#83
Chrysene
Concen: 5.363 ng
RT: 21.839 min Scan# 3144
Delta R.T. -0.020 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

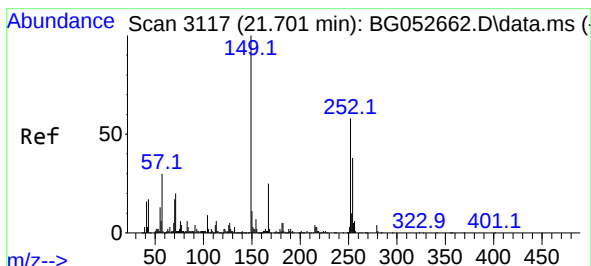
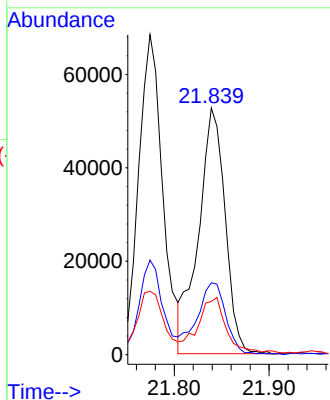
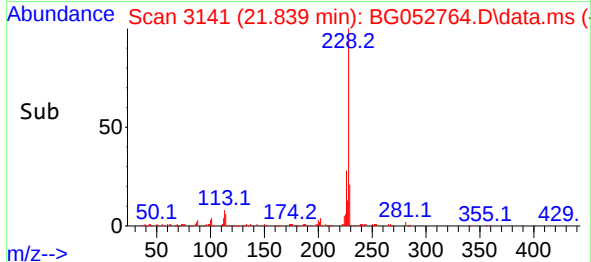
Instrument :
BNA_G
ClientSampleId :
124019



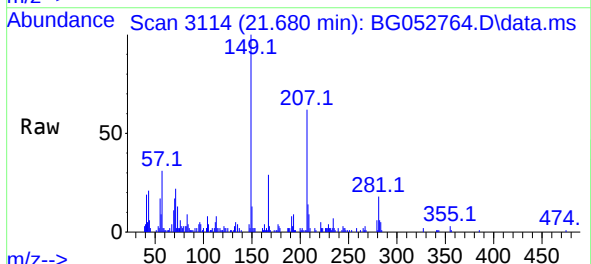
Tgt Ion:228 Resp: 103034
Ion Ratio Lower Upper
228 100
226 29.1 24.2 36.4
229 21.6 16.3 24.5

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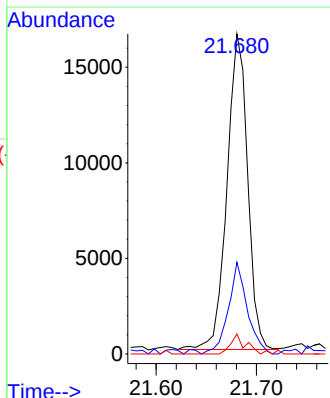
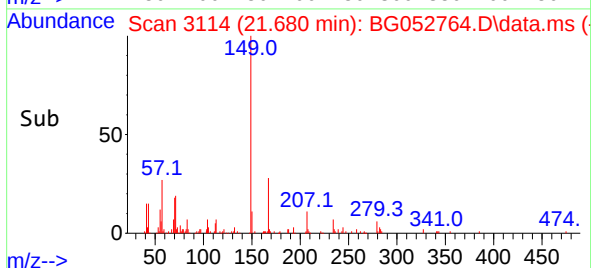
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

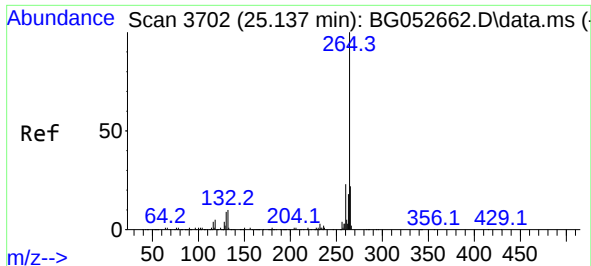


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.307 ng
RT: 21.680 min Scan# 3114
Delta R.T. -0.020 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12



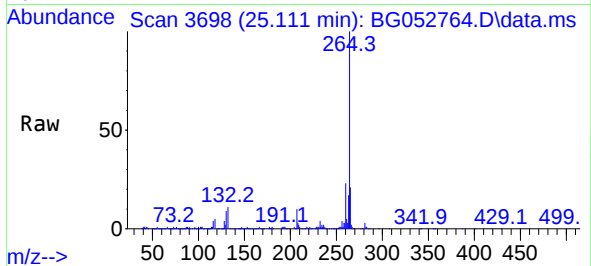
Tgt Ion:149 Resp: 23563
Ion Ratio Lower Upper
149 100
167 28.6 21.4 32.2
279 6.2 3.8 5.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.111 min Scan# 3019
Delta R.T. -0.026 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

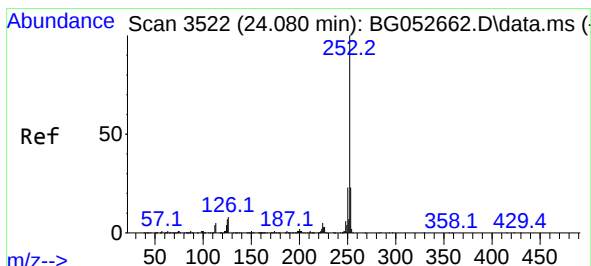
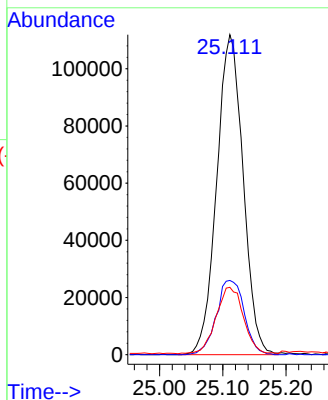
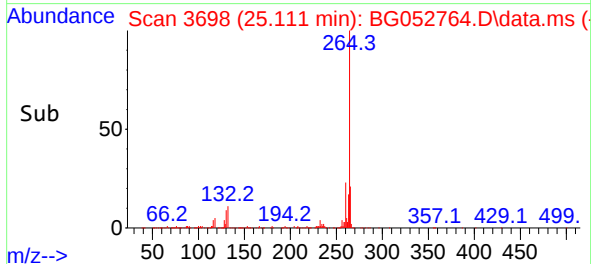
Instrument :
BNA_G
ClientSampleId :
124019



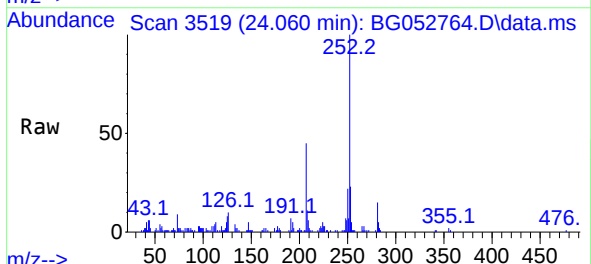
Tgt Ion:264 Resp: 32455
Ion Ratio Lower Upper
264 100
260 23.2 18.2 27.2
265 21.1 15.1 22.7

Manual Integrations
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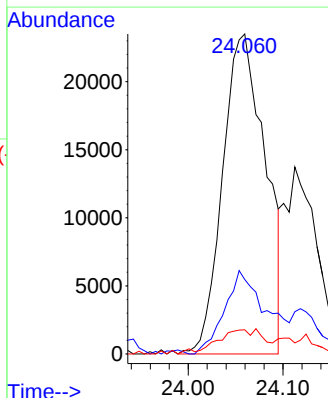
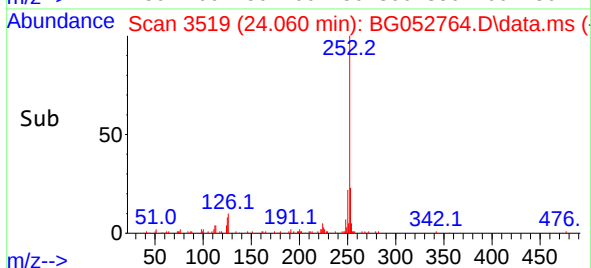
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

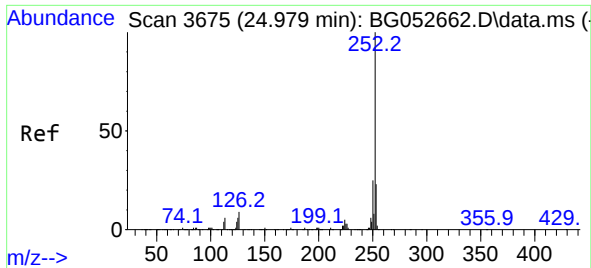


#88
Benzo(b)fluoranthene
Concen: 3.649 ng
RT: 24.060 min Scan# 3519
Delta R.T. -0.021 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12



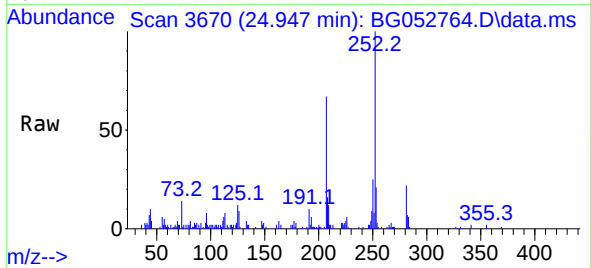
Tgt Ion:252 Resp: 73535
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 7.6 5.2 7.8





#90
Benzo(a)pyrene
Concen: 2.819 ng
RT: 24.947 min Scan# 30
Delta R.T. -0.032 min
Lab File: BG052764.D
Acq: 21 Mar 2022 12:12

Instrument :
BNA_G
ClientSampleId :
124019



Tgt Ion:252 Resp: 4809
Ion Ratio Lower Upper
252 100
253 20.8 18.4 27.6
125 11.9 5.6 8.4

Manual Integrations
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Supervised By :Jagrut Upadhyay 03/22/2022

