

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
 Data File : BG052770.D
 Acq On : 21 Mar 2022 16:31
 Operator : CG/JU
 Sample : N1983-05DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 124019DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 21 17:03:53 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	8.147	152	51175	20.000	ng	-0.01
21) Naphthalene-d8	10.961	136	208456	20.000	ng	#-0.01
39) Acenaphthene-d10	14.767	164	144505	20.000	ng	0.00
64) Phenanthrene-d10	17.511	188	318883	20.000	ng	0.00
76) Chrysene-d12	21.793	240	325148	20.000	ng	-0.02
86) Perylene-d12	25.112	264	342945	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	130000	44.240	ng	0.00
7) Phenol-d6	7.289	99	191477	43.221	ng	0.00
23) Nitrobenzene-d5	9.298	82	129373	31.149	ng	-0.02
42) 2,4,6-Tribromophenol	16.248	330	82109	42.286	ng	-0.01
45) 2-Fluorobiphenyl	13.387	172	264569	27.002	ng	-0.02
79) Terphenyl-d14	20.107	244	478207	26.162	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	11.008	128	54877	5.091	ng	96
37) 2-Methylnaphthalene	12.606	142	66615	8.438	ng	98
38) 1-Methylnaphthalene	12.823	142	42020	5.454	ng	94
46) 1,1'-Biphenyl	13.598	154	29357	2.905	ng	97
52) Acenaphthene	14.826	154	123662	15.215	ng	92
55) Dibenzofuran	15.161	168	164256	12.376	ng	98
58) Fluorene	15.807	166	180179	16.654	ng	100
71) Phenanthrene	17.552	178	752452	44.108	ng	99
72) Anthracene	17.640	178	97448	5.778	ng	98
73) Carbazole	17.898	167	49309	2.952	ng	96
75) Fluoranthene	19.555	202	408167	18.849	ng	98
78) Pyrene	19.913	202	265674	11.779	ng	97
81) Benzo(a)anthracene	21.776	228	55672	2.557	ng	98
83) Chrysene	21.840	228	53174m	2.598	ng	

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

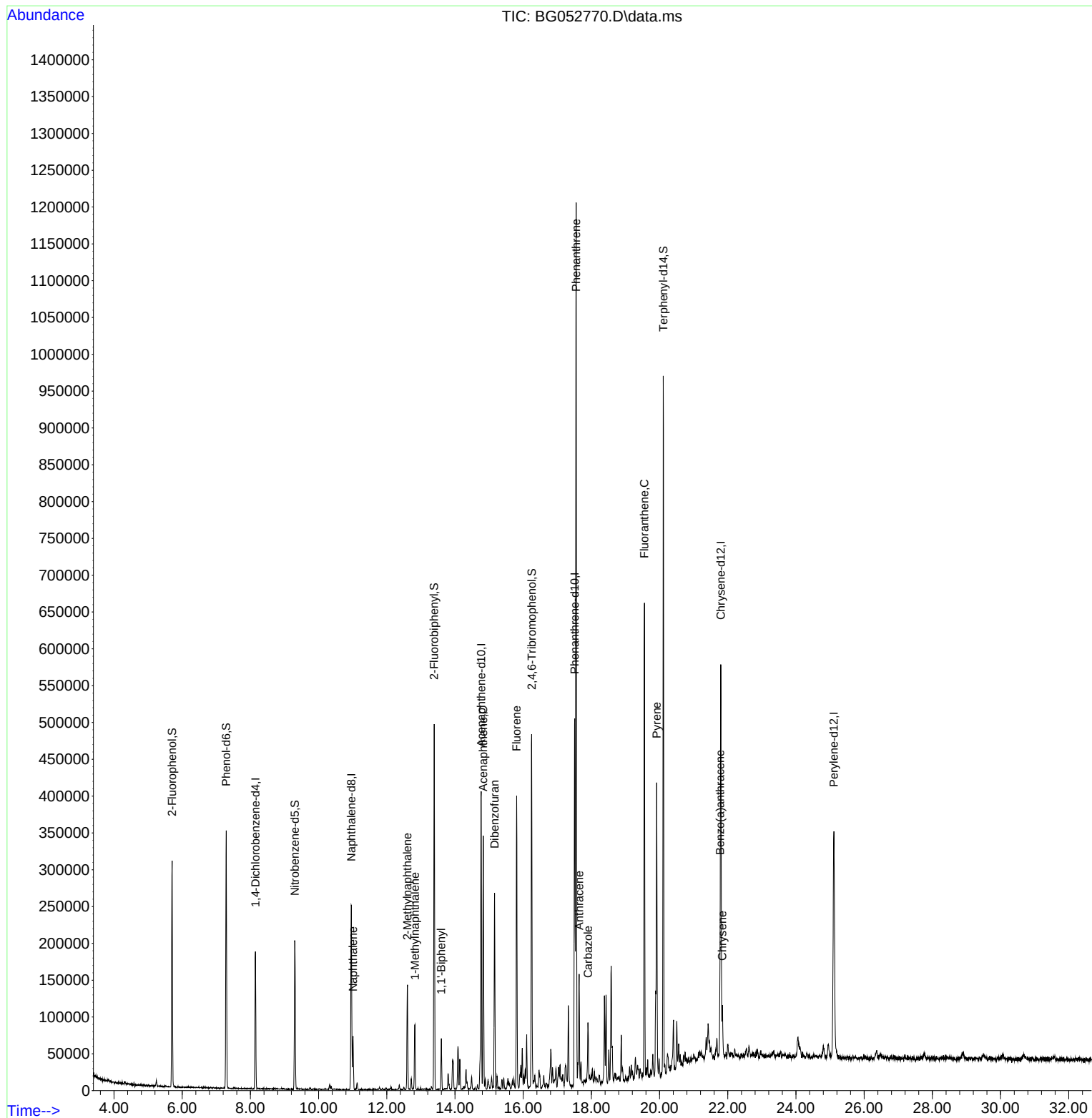
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052770.D
Acq On : 21 Mar 2022 16:31
Operator : CG/JU
Sample : N1983-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

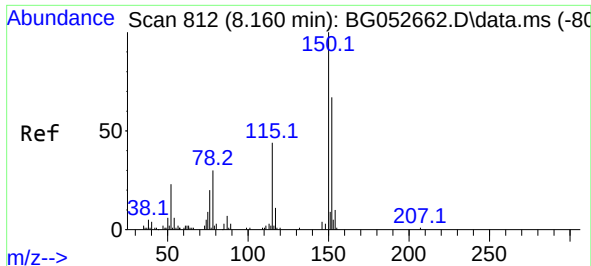
Instrument :
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124019DL

Quant Time: Mar 21 17:03:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
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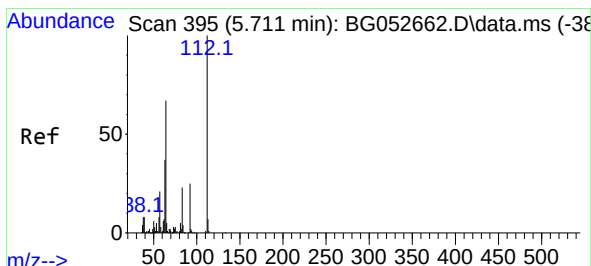
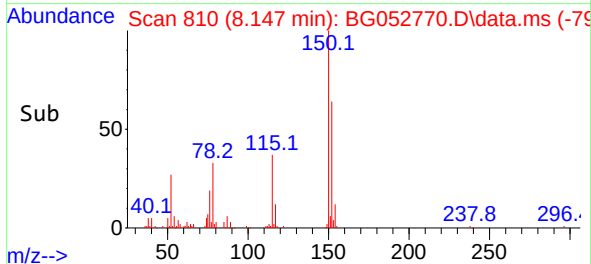
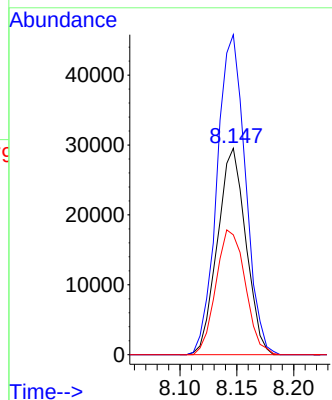
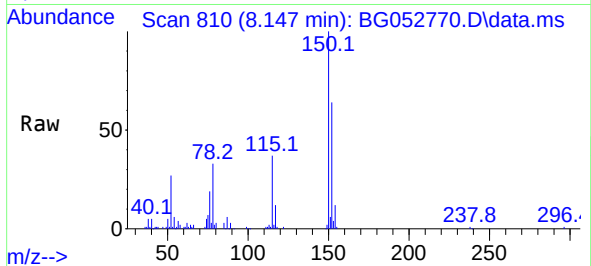
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 812
Delta R.T. -0.013 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Instrument :
BNA_G
ClientSampleId :
124019DL

Tgt Ion:152 Resp: 5117
Ion Ratio Lower Upper
152 100
150 155.1 114.6 172.0
115 58.1 45.9 68.9

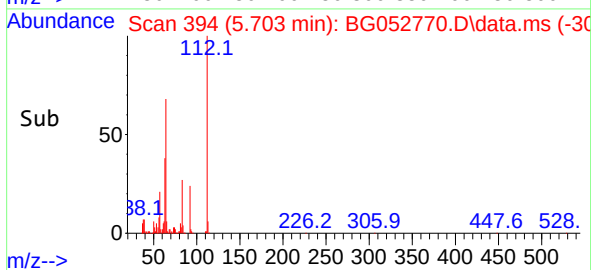
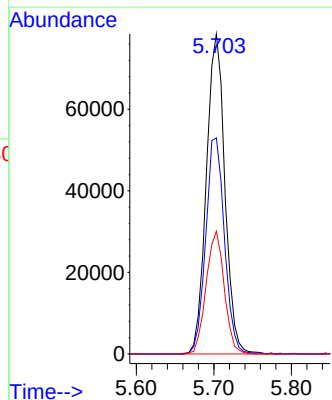
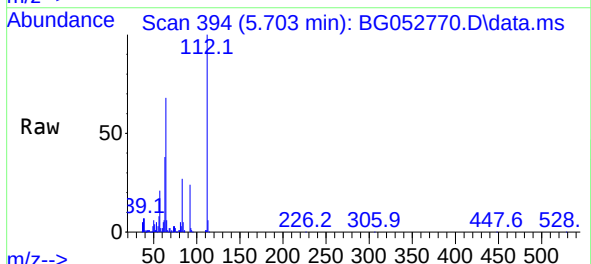
Manual Integrations
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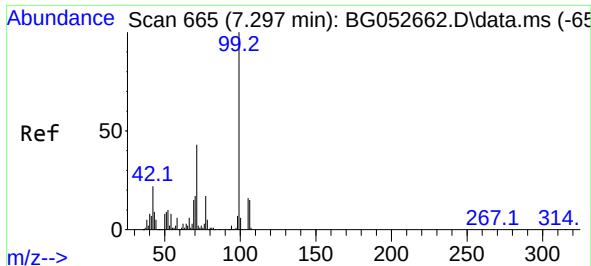
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#5
2-Fluorophenol
Concen: 44.240 ng
RT: 5.703 min Scan# 394
Delta R.T. -0.008 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

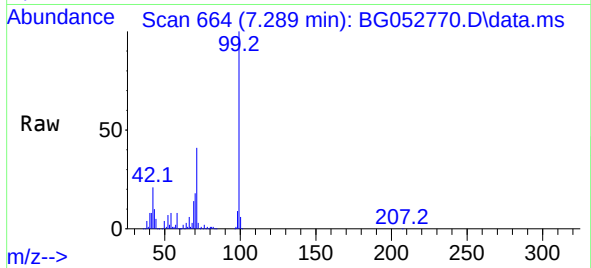
Tgt Ion:112 Resp: 130000
Ion Ratio Lower Upper
112 100
64 67.5 48.0 72.0
63 38.3 26.5 39.7





#7
Phenol-d6
Concen: 43.221 ng
RT: 7.289 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

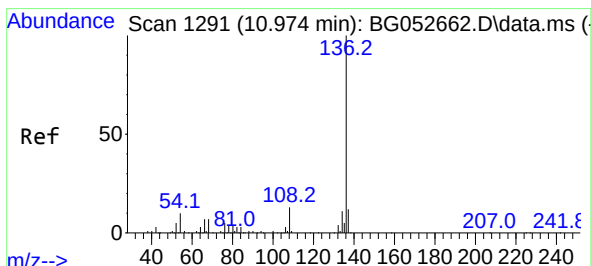
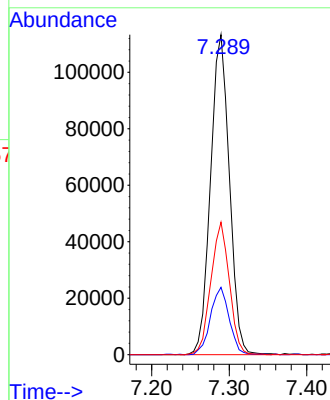
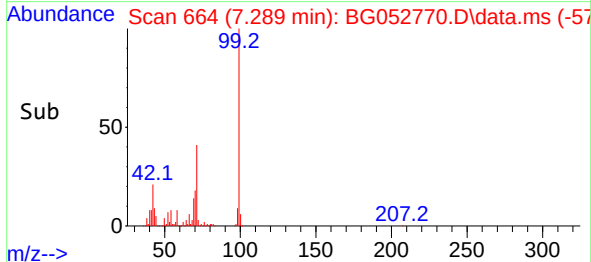
Instrument :
BNA_G
ClientSampleId :
124019DL



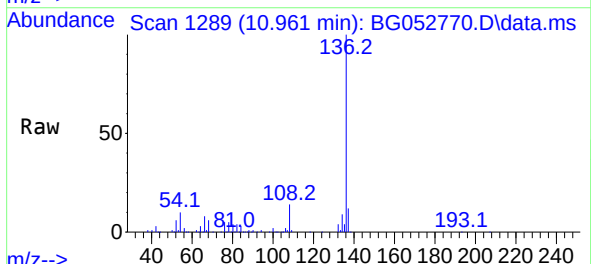
Tgt Ion: 99 Resp: 19147
Ion Ratio Lower Upper
99 100
42 21.0 14.7 22.1
71 41.4 29.2 43.8

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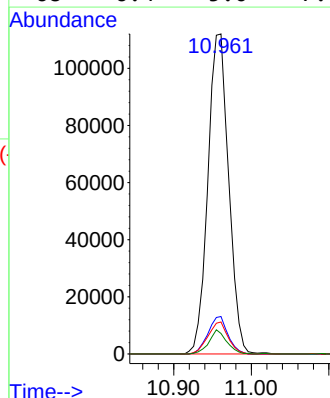
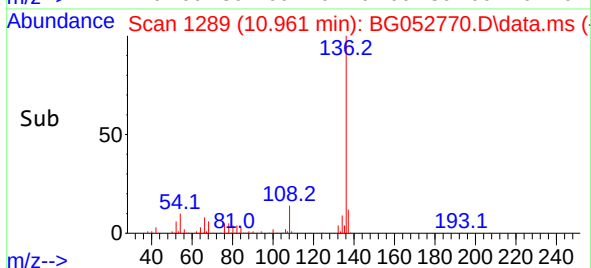
Reviewed By :Christian Giraldo 03/22/2022
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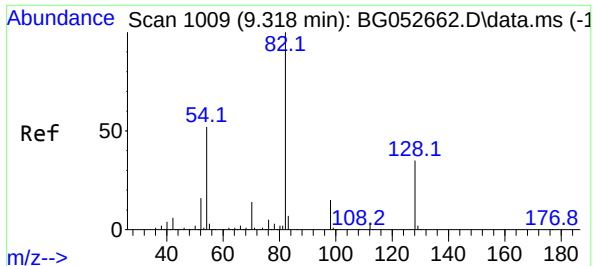


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.961 min Scan# 1289
Delta R.T. -0.013 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31



Tgt Ion:136 Resp: 208456
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 10.0 6.4 9.6#
68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 31.149 ng

RT: 9.298 min Scan# 1006

Delta R.T. -0.019 min

Lab File: BG052770.D

Acq: 21 Mar 2022 16:31

Instrument :

BNA_G

ClientSampleId :

124019DL

Tgt Ion: 82 Resp: 12937

Ion Ratio Lower Upper

82 100

128 32.9 31.3 46.9

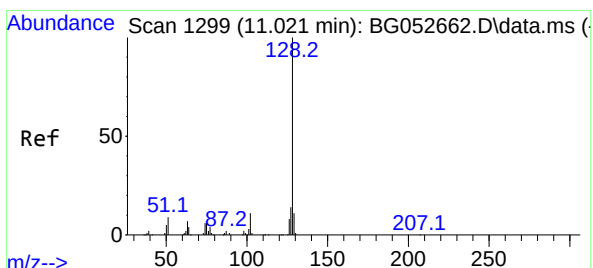
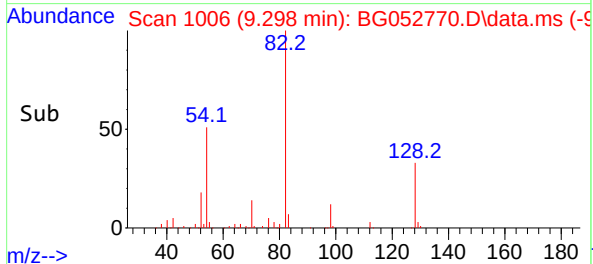
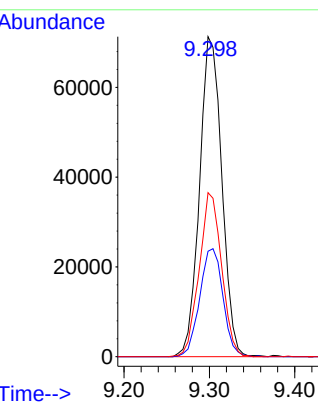
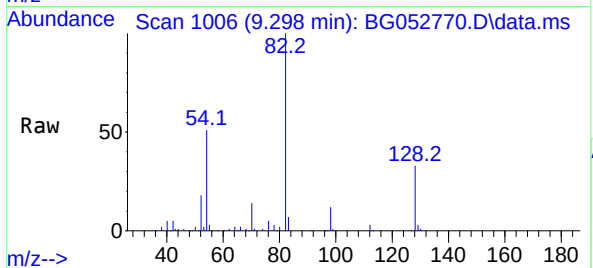
54 51.3 37.8 56.8

Manual Integrations

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#31

Naphthalene

Concen: 5.091 ng

RT: 11.008 min Scan# 1297

Delta R.T. -0.014 min

Lab File: BG052770.D

Acq: 21 Mar 2022 16:31

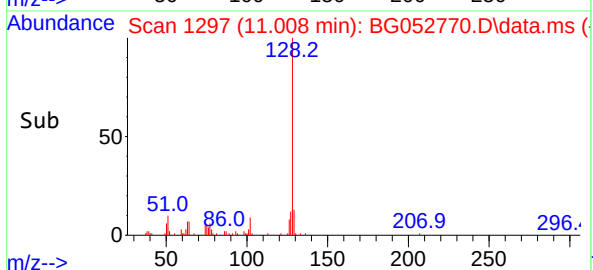
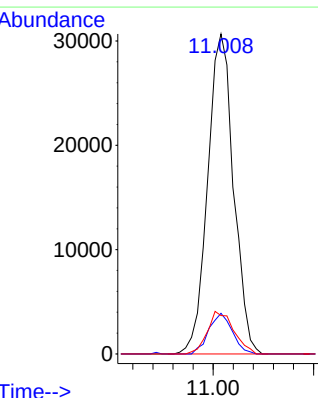
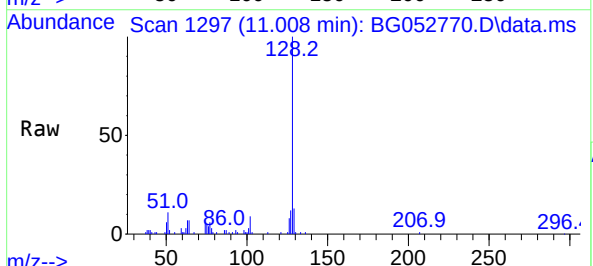
Tgt Ion:128 Resp: 54877

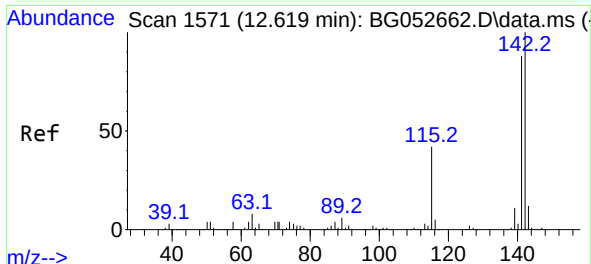
Ion Ratio Lower Upper

128 100

129 12.7 8.8 13.2

127 12.0 10.5 15.7





#37

2-Methylnaphthalene

Concen: 8.438 ng

RT: 12.606 min Scan# 1

Delta R.T. -0.014 min

Lab File: BG052770.D

Acq: 21 Mar 2022 16:31

Instrument :

BNA_G

ClientSampleId :

124019DL

Tgt Ion:142 Resp: 6661

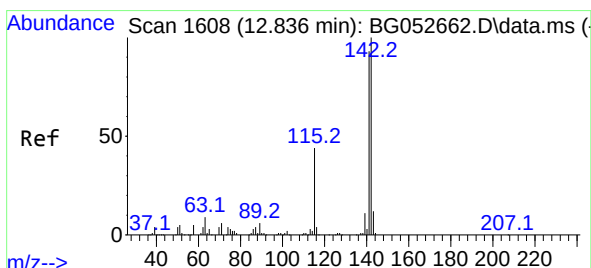
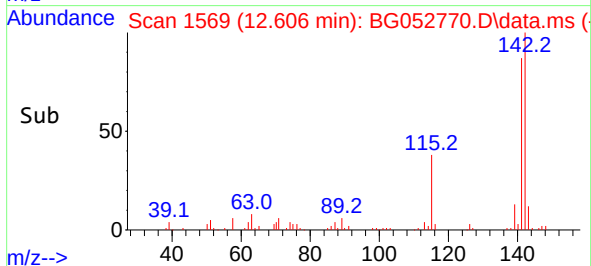
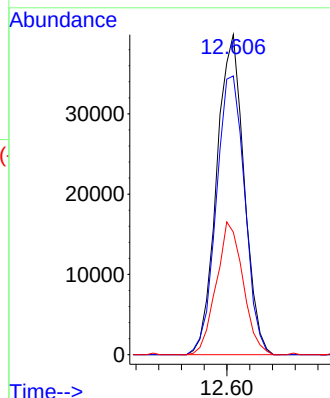
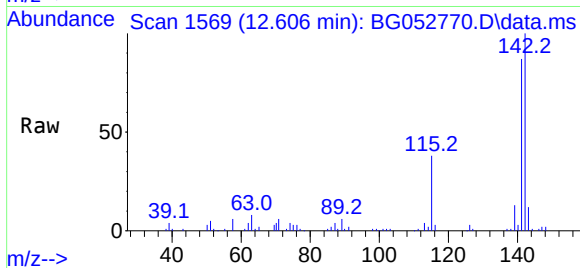
Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.3	106.9
115	38.3	29.5	44.3

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#38

1-Methylnaphthalene

Concen: 5.454 ng

RT: 12.823 min Scan# 1606

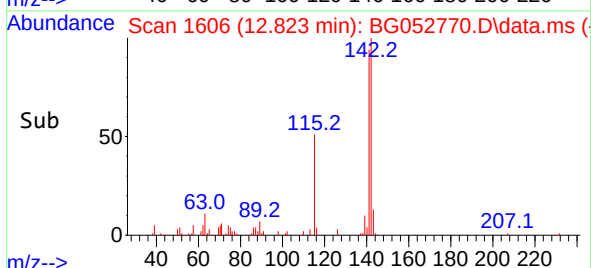
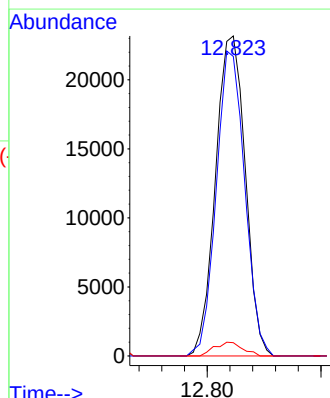
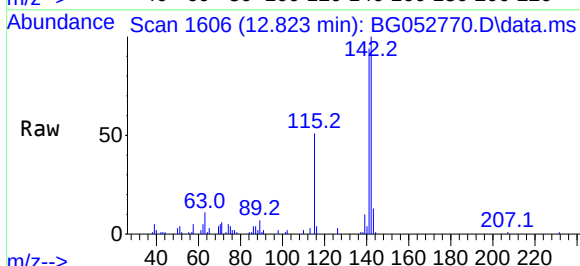
Delta R.T. -0.014 min

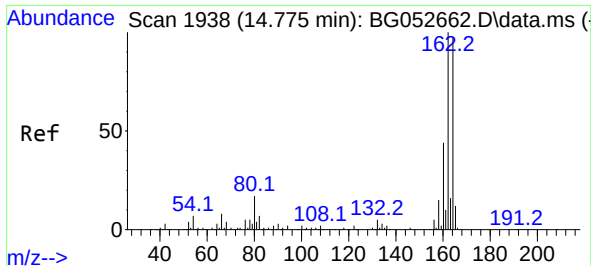
Lab File: BG052770.D

Acq: 21 Mar 2022 16:31

Tgt Ion:142 Resp: 42020

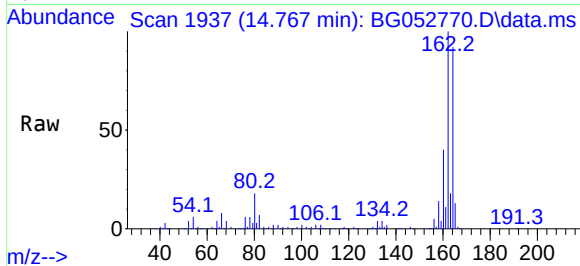
Ion	Ratio	Lower	Upper
142	100		
141	93.6	70.5	105.7
116	4.1	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.767 min Scan# 1937
Delta R.T. -0.008 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

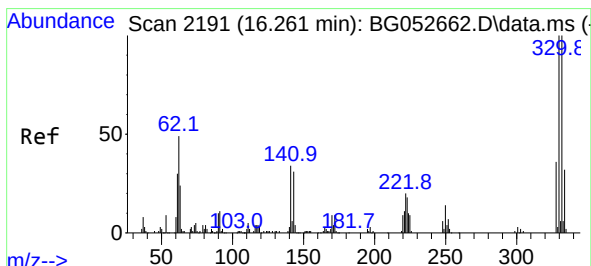
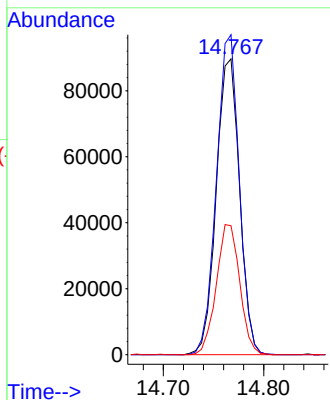
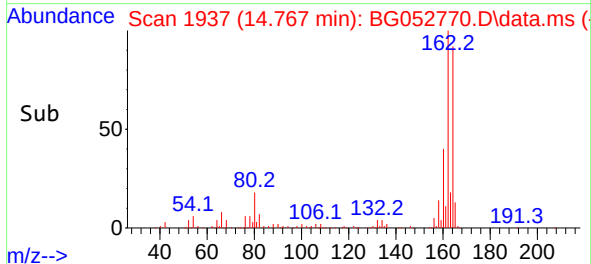
Instrument :
BNA_G
ClientSampleId :
124019DL



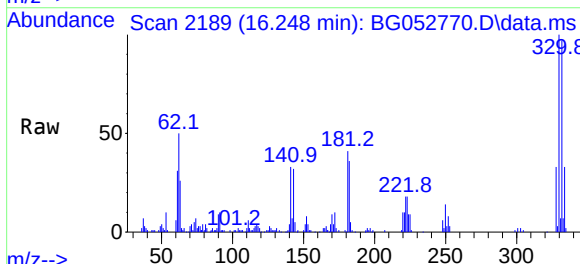
Tgt Ion:164 Resp: 14450
Ion Ratio Lower Upper
164 100
162 108.2 80.0 120.0
160 43.6 38.8 58.2

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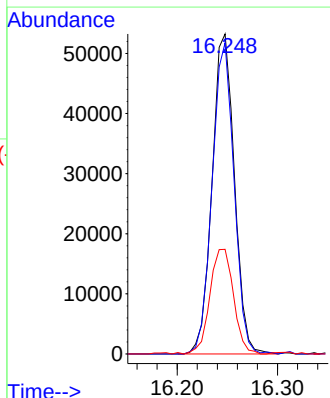
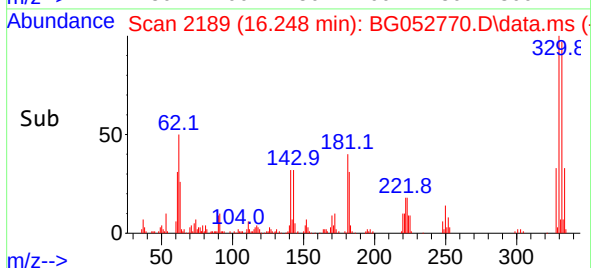
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

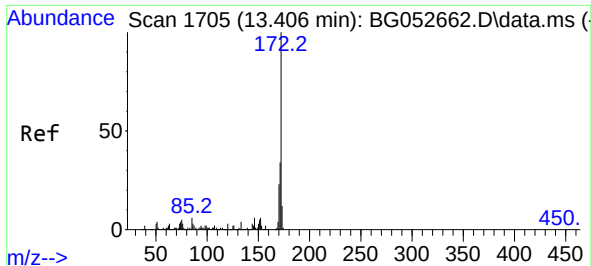


#42
2,4,6-Tribromophenol
Concen: 42.286 ng
RT: 16.248 min Scan# 2189
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31



Tgt Ion:330 Resp: 82109
Ion Ratio Lower Upper
330 100
332 95.4 75.8 113.6
141 34.8 24.6 36.8





#45
2-Fluorobiphenyl
Concen: 27.002 ng
RT: 13.387 min Scan# 1705
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Instrument :

BNA_G

ClientSampleId :

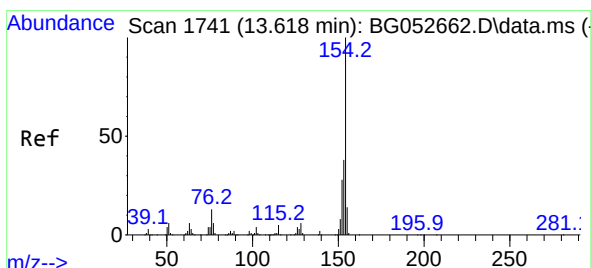
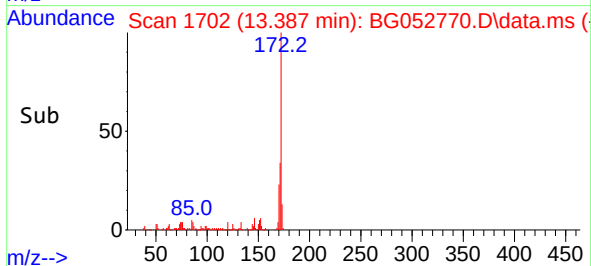
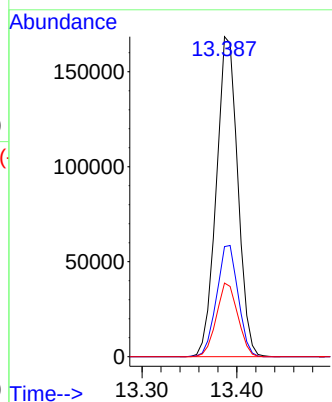
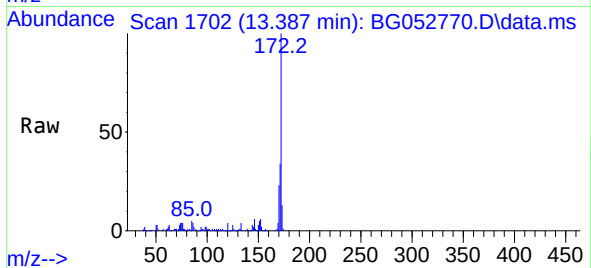
124019DL

Tgt Ion:172 Resp: 26456
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 23.0 18.0 27.0

Manual Integrations

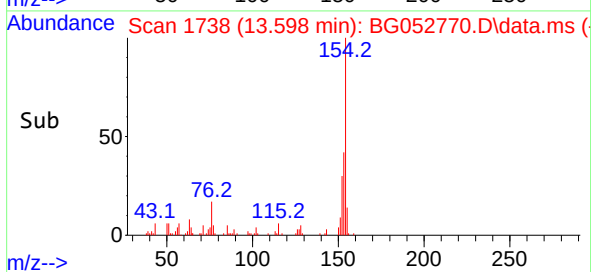
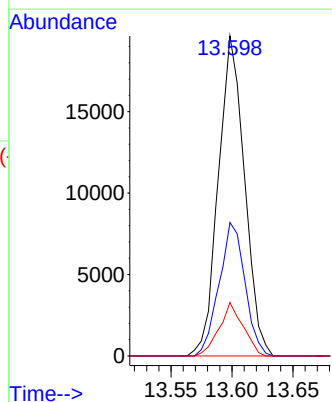
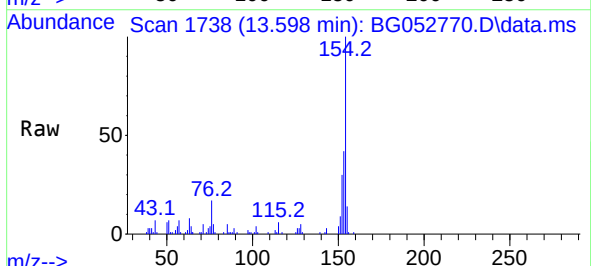
APPROVED

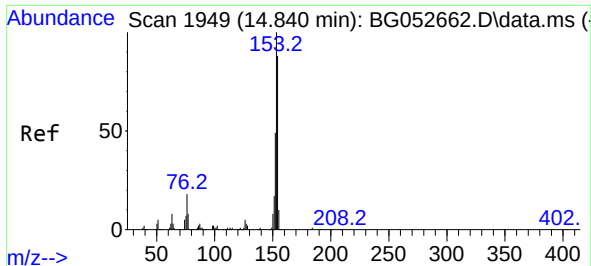
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#46
1,1'-Biphenyl
Concen: 2.905 ng
RT: 13.598 min Scan# 1738
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

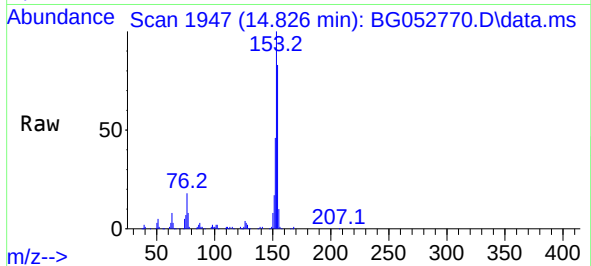
Tgt Ion:154 Resp: 29357
Ion Ratio Lower Upper
154 100
153 41.7 21.6 61.6
76 16.7 0.0 31.5





#52
Acenaphthene
Concen: 15.215 ng
RT: 14.826 min Scan# 1949
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

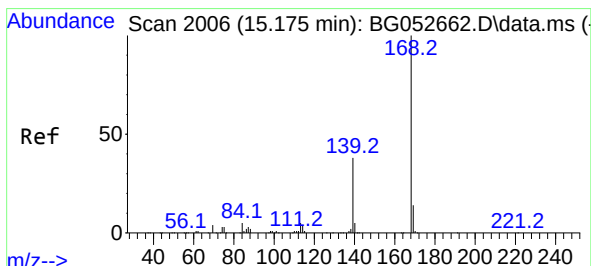
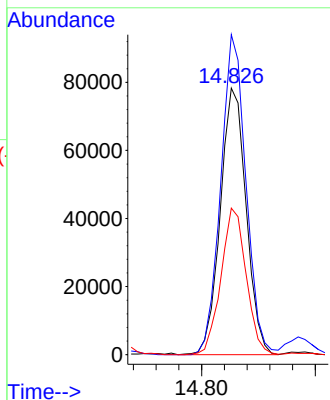
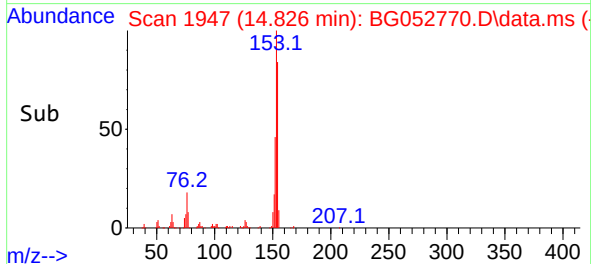
Instrument :
BNA_G
ClientSampleId :
124019DL



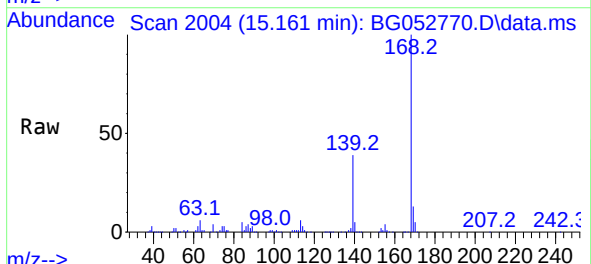
Tgt Ion:154 Resp: 123662
Ion Ratio Lower Upper
154 100
153 120.1 89.0 133.4
152 55.0 40.5 60.7

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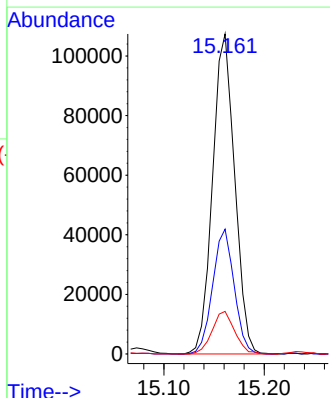
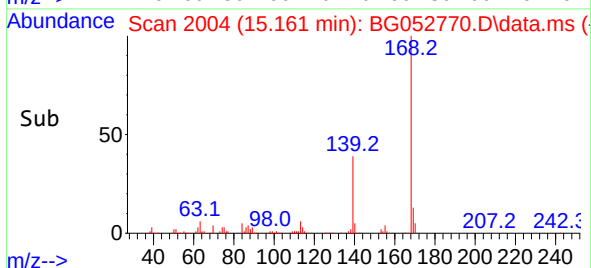
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

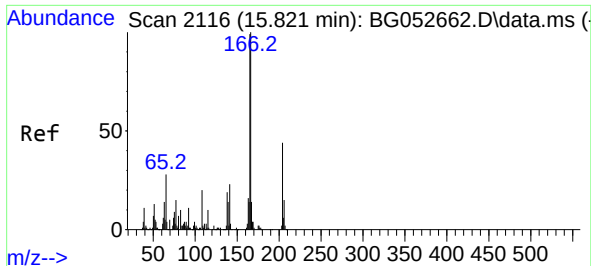


#55
Dibenzofuran
Concen: 12.376 ng
RT: 15.161 min Scan# 2004
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31



Tgt Ion:168 Resp: 164256
Ion Ratio Lower Upper
168 100
139 39.0 30.2 45.4
169 13.3 10.7 16.1





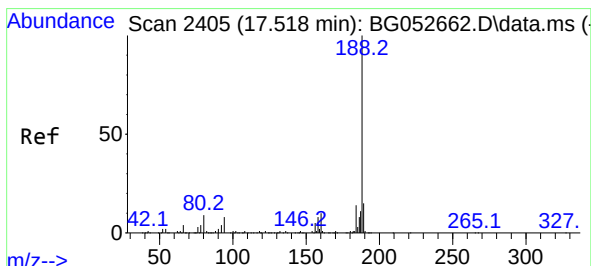
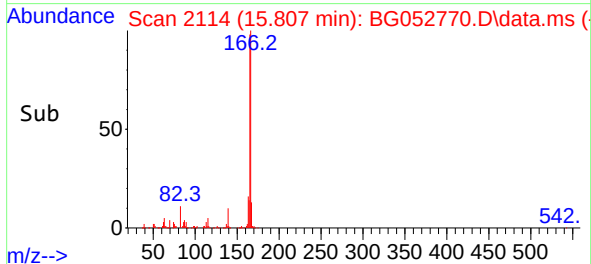
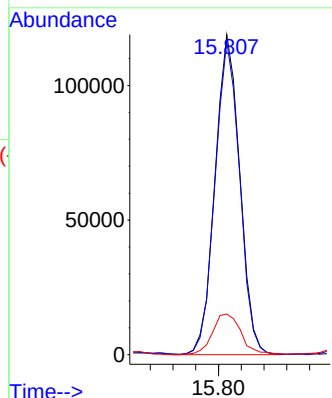
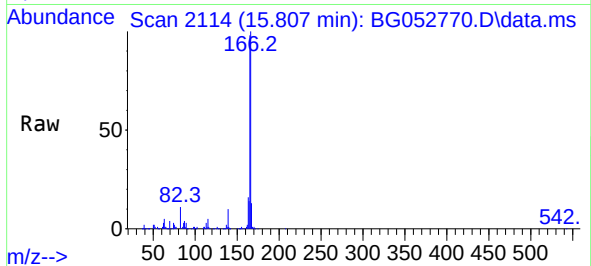
#58
Fluorene
Concen: 16.654 ng
RT: 15.807 min Scan# 2116
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Instrument :
BNA_G
ClientSampleId :
124019DL

Tgt Ion:166 Resp: 180179
Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 12.7 10.9 16.3

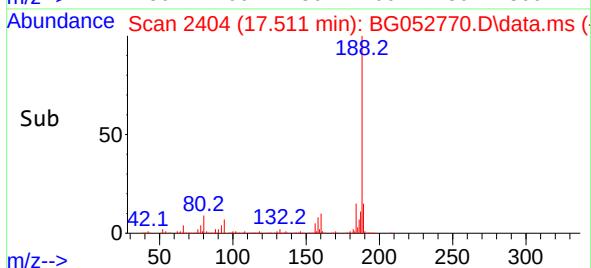
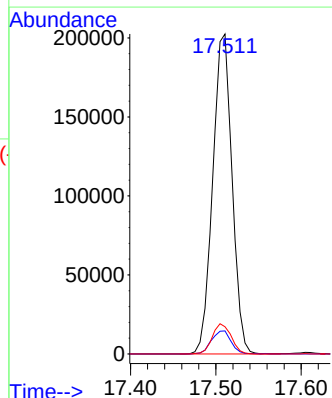
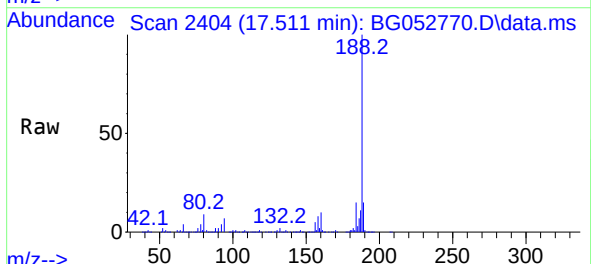
Manual Integrations
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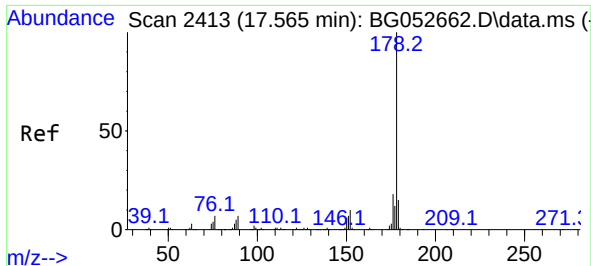
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.511 min Scan# 2404
Delta R.T. -0.008 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

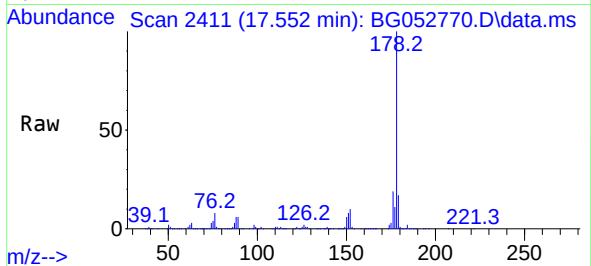
Tgt Ion:188 Resp: 318883
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 8.5 7.2 10.8





#71
Phenanthrene
Concen: 44.108 ng
RT: 17.552 min Scan# 2411
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

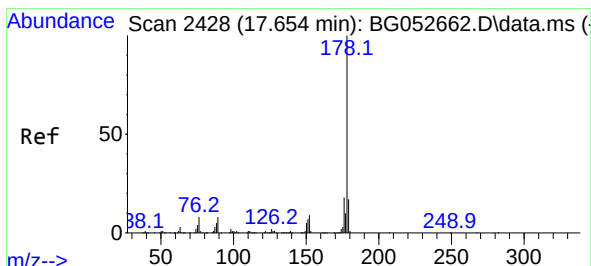
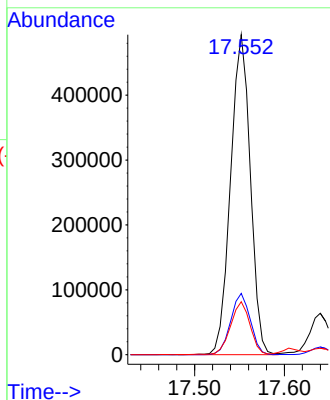
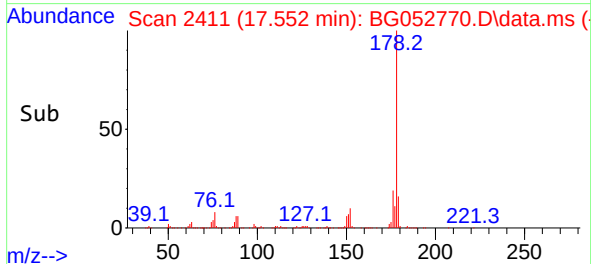
Instrument :
BNA_G
ClientSampleId :
124019DL



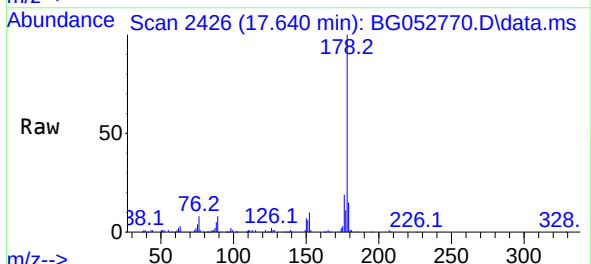
Tgt Ion:178 Resp: 752452
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 16.5 13.4 20.2

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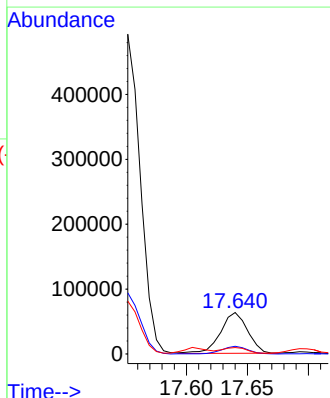
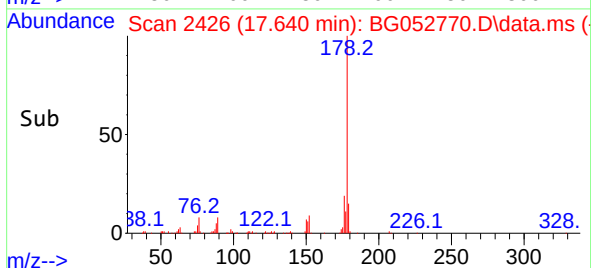
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

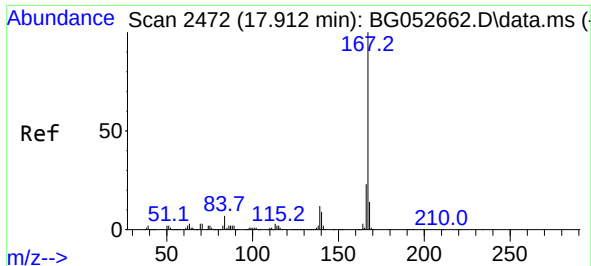


#72
Anthracene
Concen: 5.778 ng
RT: 17.640 min Scan# 2426
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31



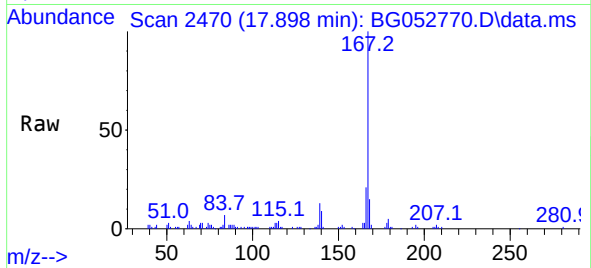
Tgt Ion:178 Resp: 97448
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.3 13.2 19.8





#73
Carbazole
Concen: 2.952 ng
RT: 17.898 min Scan# 2470
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

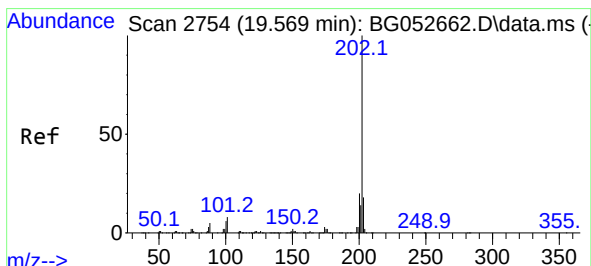
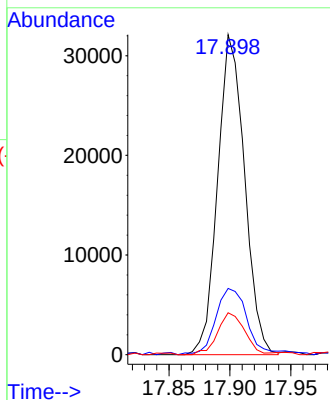
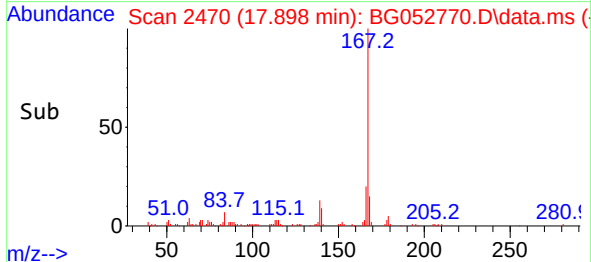
Instrument :
BNA_G
ClientSampleId :
124019DL



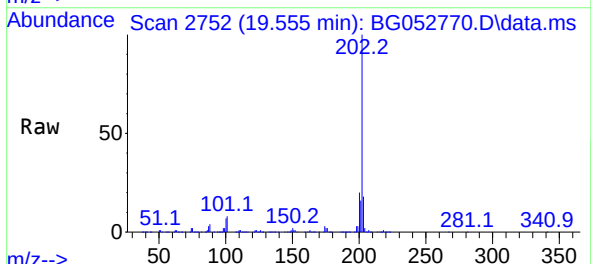
Tgt Ion:167 Resp: 49309
Ion Ratio Lower Upper
167 100
166 20.7 18.5 27.7
139 13.1 10.0 15.0

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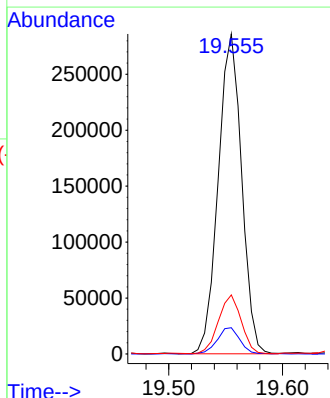
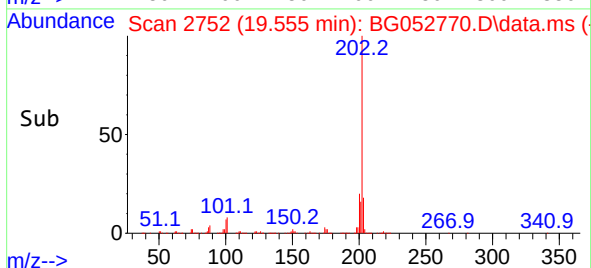
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

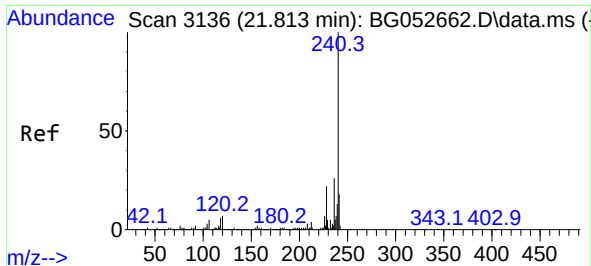


#75
Fluoranthene
Concen: 18.849 ng
RT: 19.555 min Scan# 2752
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31



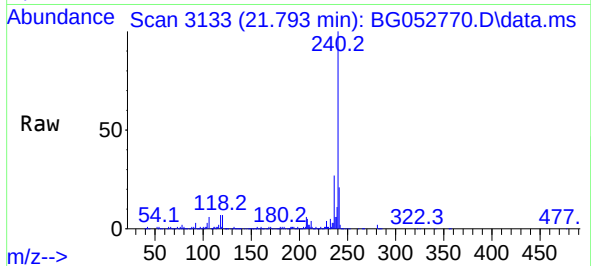
Tgt Ion:202 Resp: 408167
Ion Ratio Lower Upper
202 100
101 8.2 0.0 27.3
203 18.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.793 min Scan# 3136
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

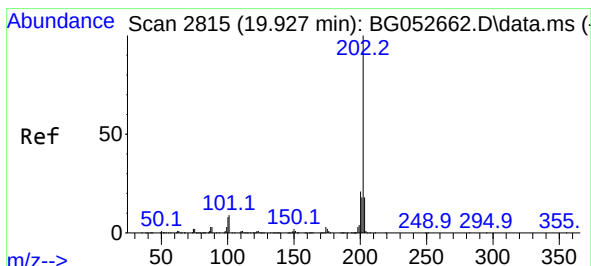
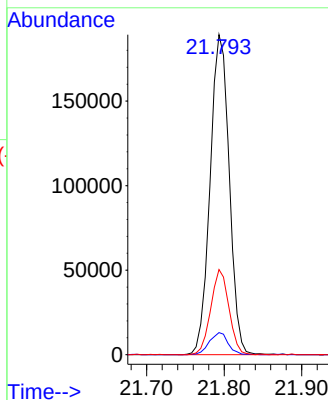
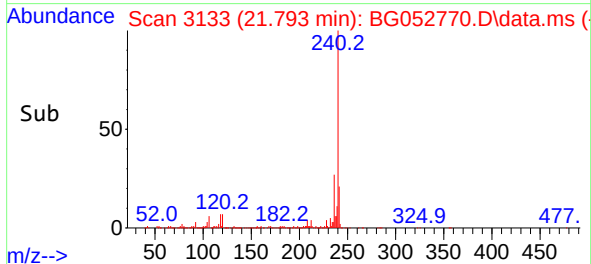
Instrument :
BNA_G
ClientSampleId :
124019DL



Tgt Ion:240 Resp: 32514
Ion Ratio Lower Upper
240 100
120 6.9 5.4 8.0
236 26.6 19.8 29.6

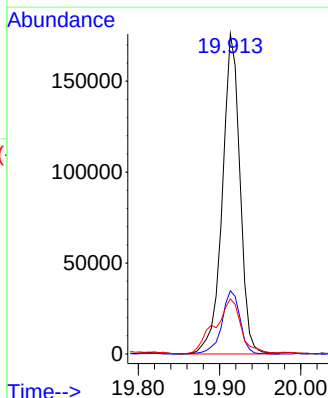
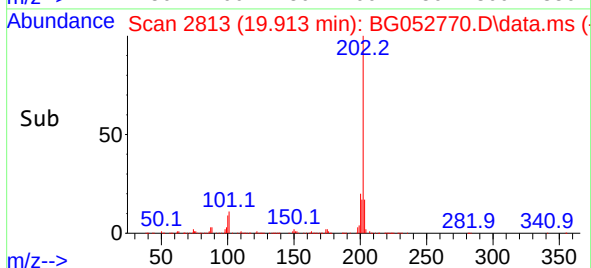
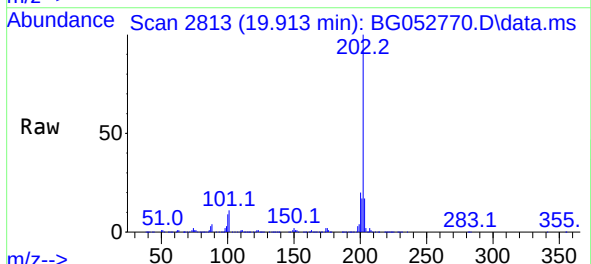
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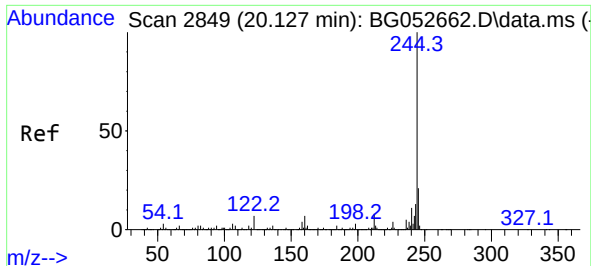
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#78
Pyrene
Concen: 11.779 ng
RT: 19.913 min Scan# 2813
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

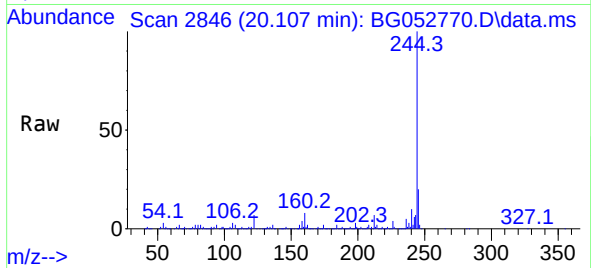
Tgt Ion:202 Resp: 265674
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.6
203 17.2 15.0 22.6





#79
Terphenyl-d14
Concen: 26.162 ng
RT: 20.107 min Scan# 21
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

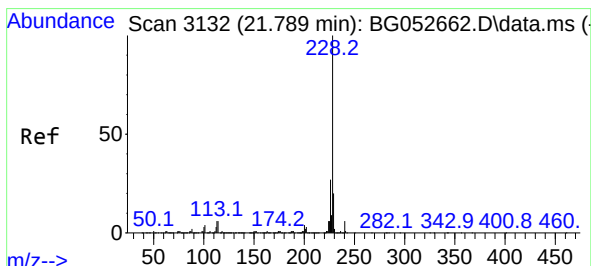
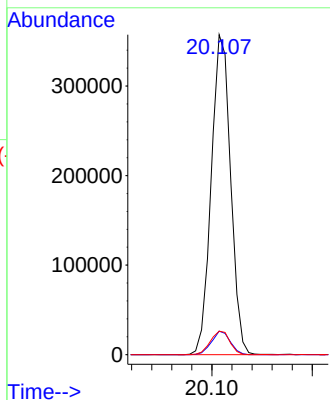
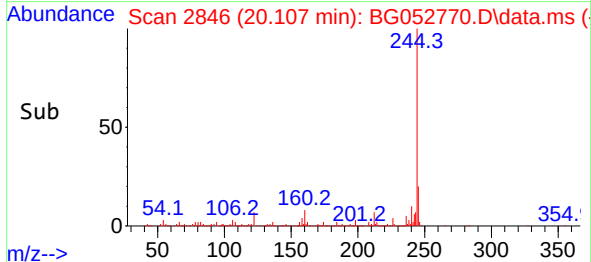
Instrument :
BNA_G
ClientSampleId :
124019DL



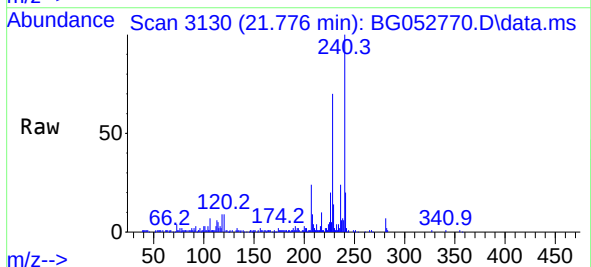
Tgt Ion:244 Resp: 47820
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 7.3 5.8 8.6

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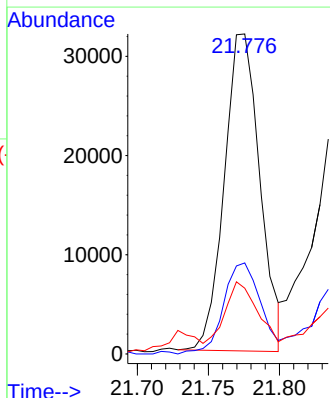
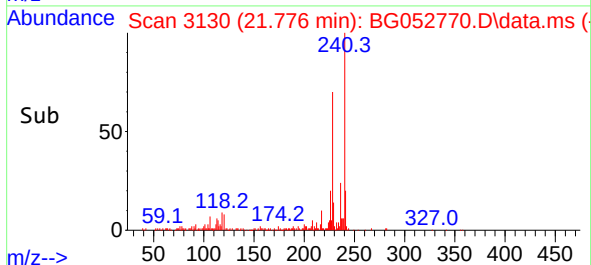
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

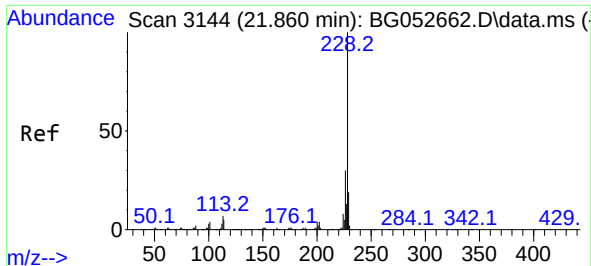


#81
Benzo(a)anthracene
Concen: 2.557 ng
RT: 21.776 min Scan# 3130
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31



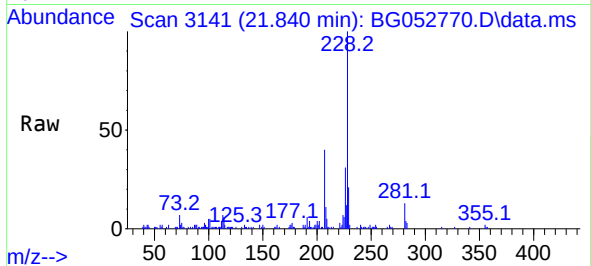
Tgt Ion:228 Resp: 55672
Ion Ratio Lower Upper
228 100
226 28.4 21.4 32.0
229 20.6 16.7 25.1





#83
Chrysene
Concen: 2.598 ng m
RT: 21.840 min Scan# 31
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

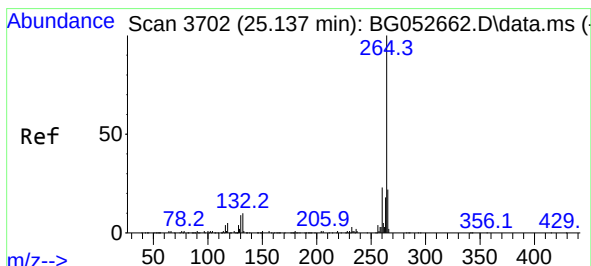
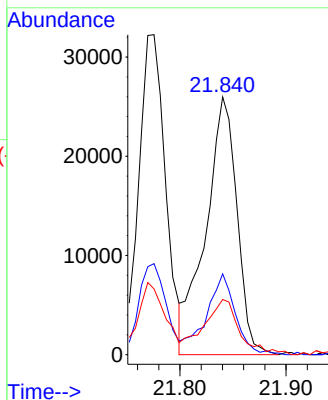
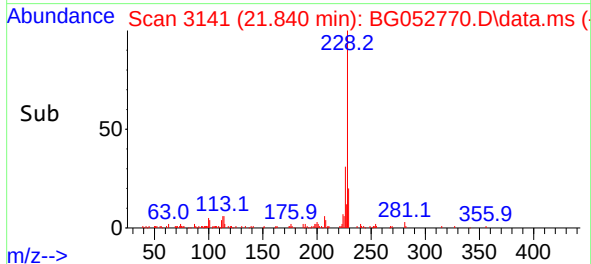
Instrument :
BNA_G
ClientSampleId :
124019DL



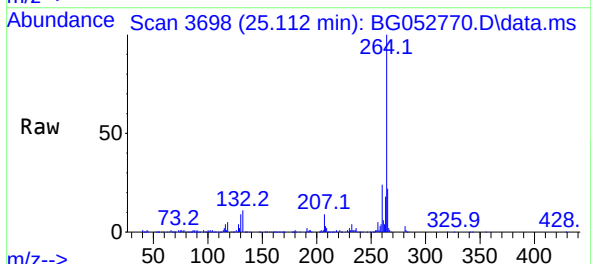
Tgt Ion:228 Resp: 53174
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.4
229 21.4 16.3 24.5

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



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.112 min Scan# 3698
Delta R.T. -0.025 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31



Tgt Ion:264 Resp: 342945
Ion Ratio Lower Upper
264 100
260 24.3 18.2 27.2
265 21.8 15.1 22.7

