

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054570.D
 Acq On : 9 Aug 2022 15:01
 Operator : CG/JU
 Sample : N4063-05DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5EDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 09 17:03:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	21954	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	87104	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	63724	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	149045	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	171940	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	184687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	61610	58.593	ng	0.00
7) Phenol-d6	7.177	99	85070	59.043	ng	0.00
23) Nitrobenzene-d5	9.139	82	57509	35.954	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	67585	50.513	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	170921	37.838	ng	0.00
79) Terphenyl-d14	19.974	244	330888	38.177	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.339	152	80914	14.925	ng	98
72) Anthracene	17.500	178	23946	3.288	ng	99
78) Pyrene	19.786	202	401333	40.679	ng	98
81) Benzo(a)anthracene	21.613	228	61239	5.611	ng	# 79
83) Chrysene	21.654	228	134666	13.059	ng	# 76
87) Indeno(1,2,3-cd)pyrene	28.534	276	190056	13.527	ng	97
88) Benzo(b)fluoranthene	23.828	252	300295m	27.494	ng	
89) Benzo(k)fluoranthene	23.881	252	98327m	9.046	ng	
90) Benzo(a)pyrene	24.698	252	354024m	37.954	ng	
91) Dibenzo(a,h)anthracene	28.552	278	51547	4.462	ng	99
92) Benzo(g,h,i)perylene	29.692	276	213103	18.689	ng	# 93

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

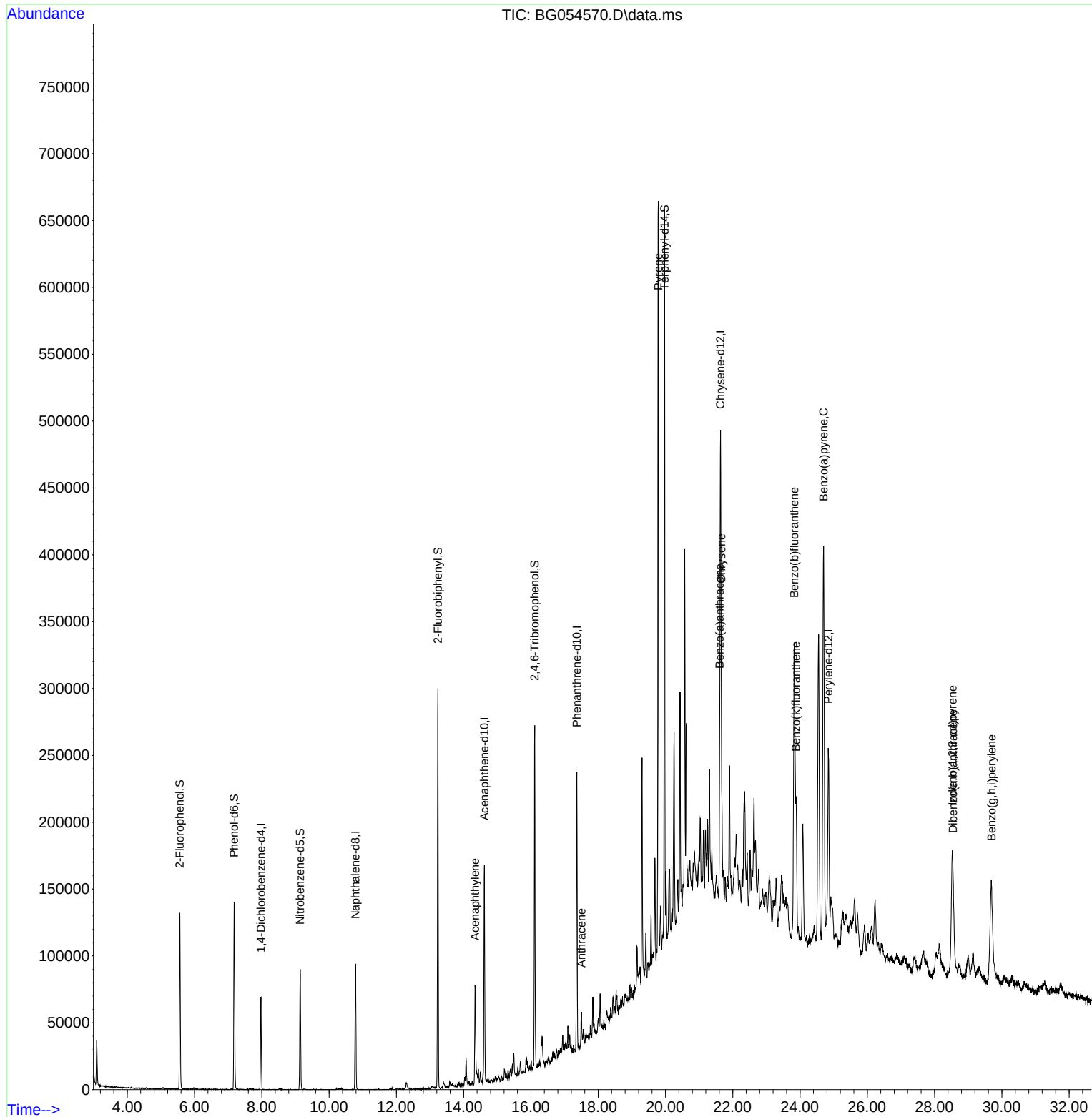
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
Data File : BG054570.D
Acq On : 9 Aug 2022 15:01
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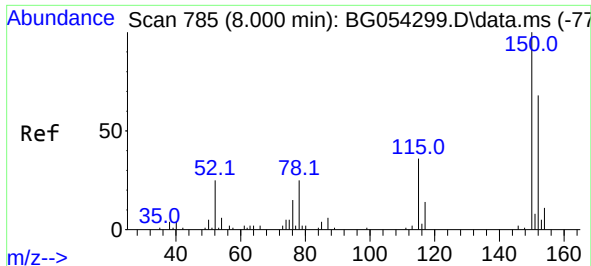
Instrument :
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P-5EDL

Quant Time: Aug 09 17:03:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
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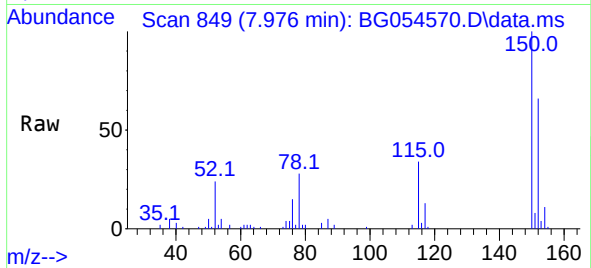
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

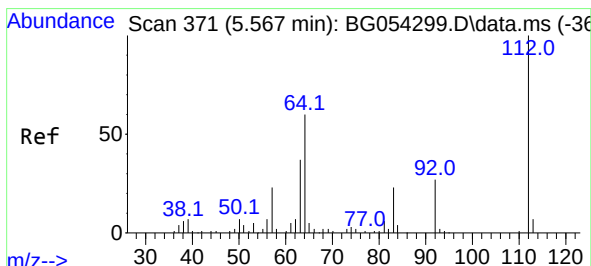
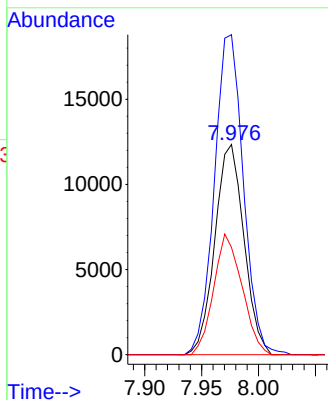
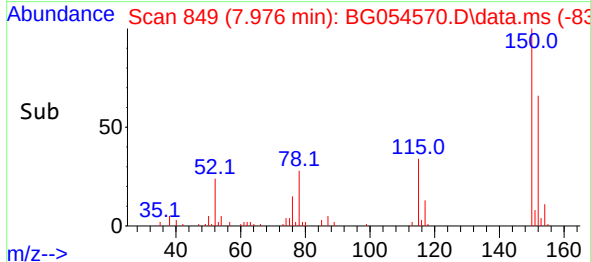
Instrument :
BNA_G
ClientSampleId :
P-5EDL



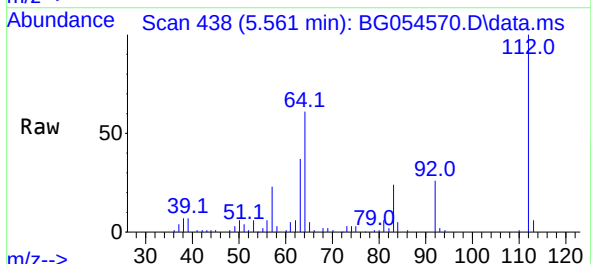
Tgt Ion:152 Resp: 21954
Ion Ratio Lower Upper
152 100
150 152.3 131.6 197.4
115 51.0 50.9 76.3

Manual Integrations
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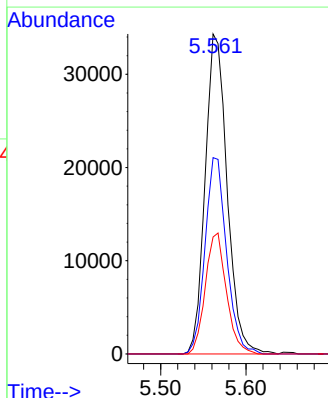
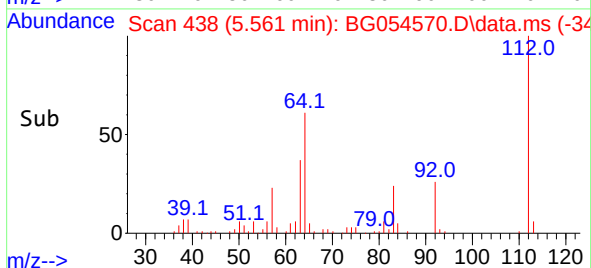
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

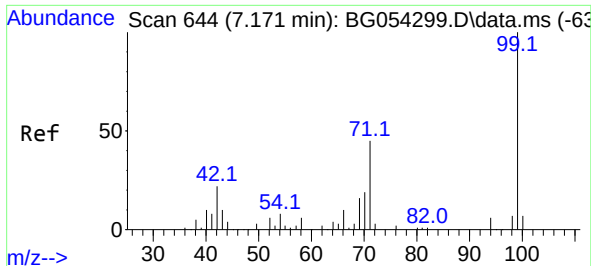


#5
2-Fluorophenol
Concen: 58.593 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01



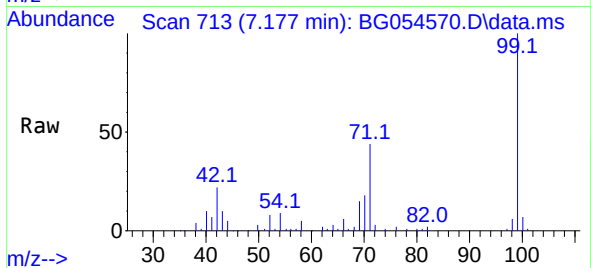
Tgt Ion:112 Resp: 61610
Ion Ratio Lower Upper
112 100
64 61.4 55.1 82.7
63 36.5 30.4 45.6





#7
Phenol-d6
Concen: 59.043 ng
RT: 7.177 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

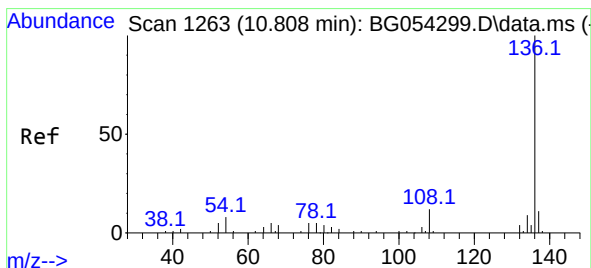
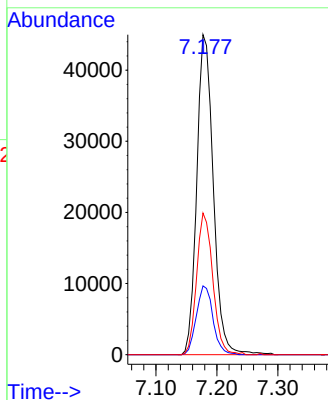
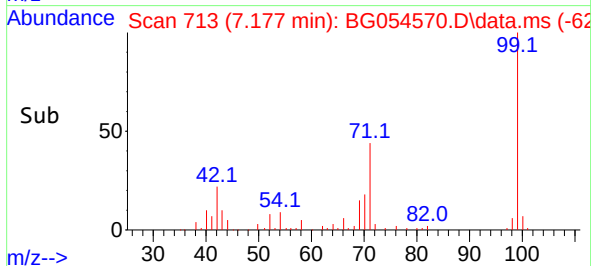
Instrument :
BNA_G
ClientSampleId :
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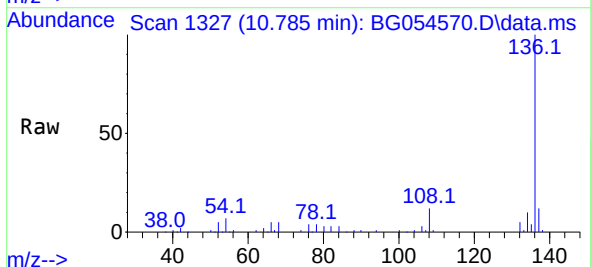
Tgt Ion: 99 Resp: 85070
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 44.3 33.8 50.8

Manual Integrations
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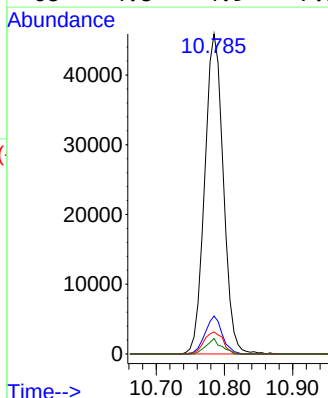
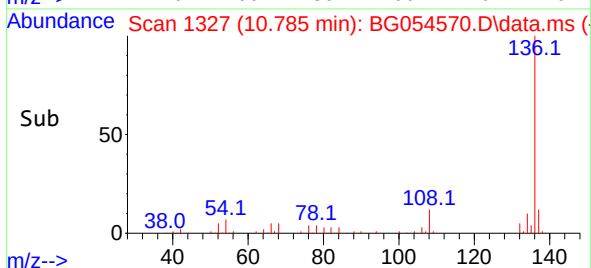
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

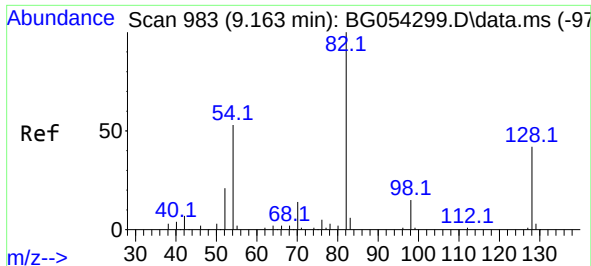


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01



Tgt Ion:136 Resp: 87104
Ion Ratio Lower Upper
136 100
137 11.9 8.5 12.7
54 6.9 7.4 11.2#
68 4.8 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 35.954 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

Instrument :

BNA_G

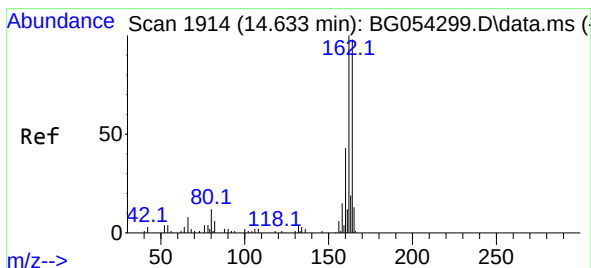
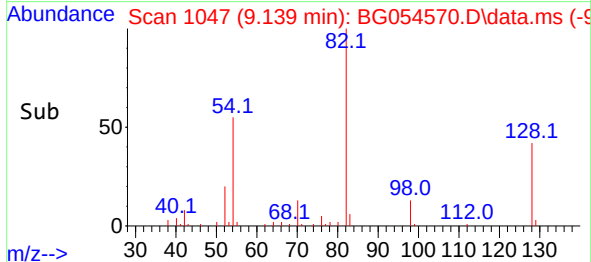
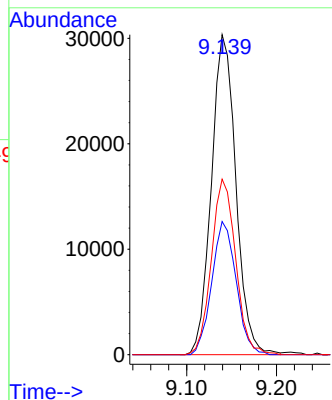
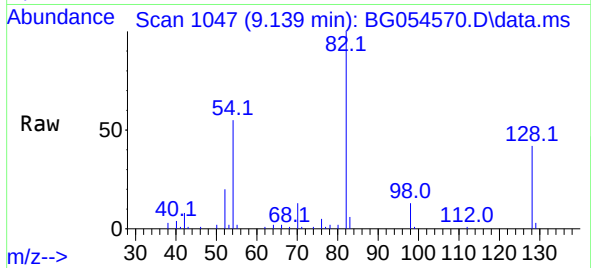
ClientSampleId :

P-5EDL

Tgt Ion: 82 Resp: 57509
Ion Ratio Lower Upper
82 100
128 41.6 27.9 41.9
54 54.9 41.2 61.8

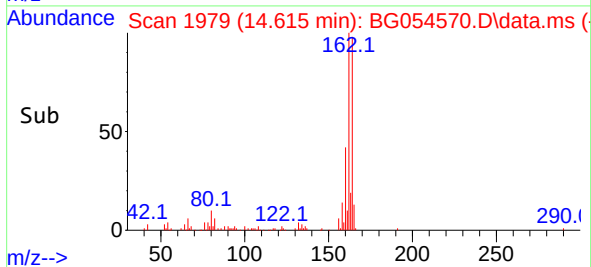
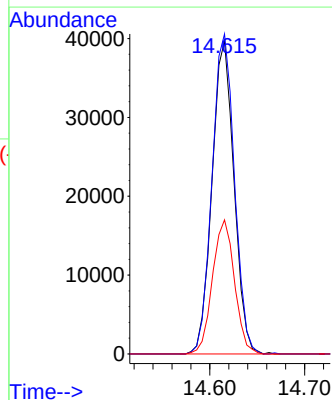
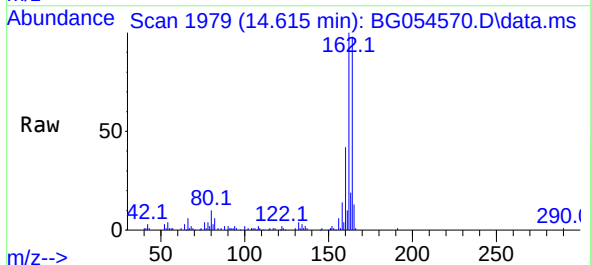
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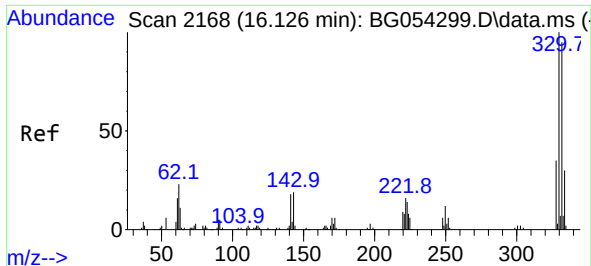
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

Tgt Ion:164 Resp: 63724
Ion Ratio Lower Upper
164 100
162 102.3 82.3 123.5
160 42.8 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 50.513 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

Instrument :

BNA_G

ClientSampleId :

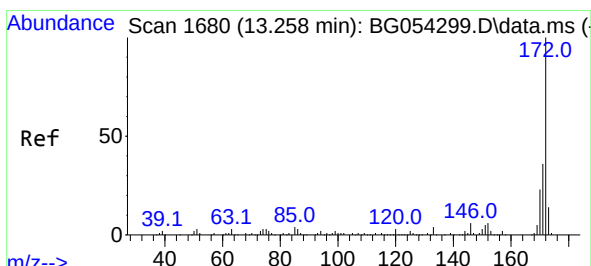
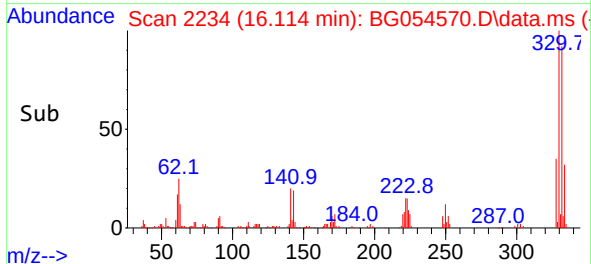
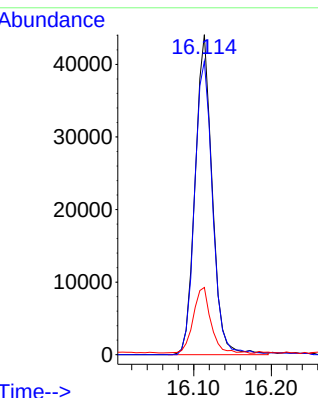
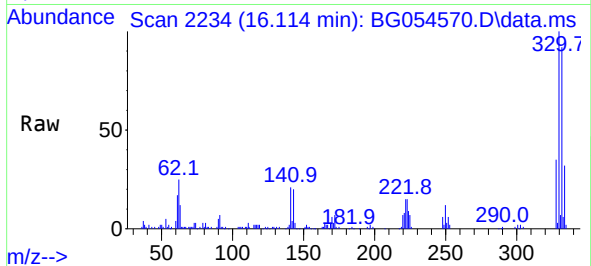
P-5EDL

Tgt Ion:330 Resp: 6758
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 21.0 27.1 40.7

Manual Integrations

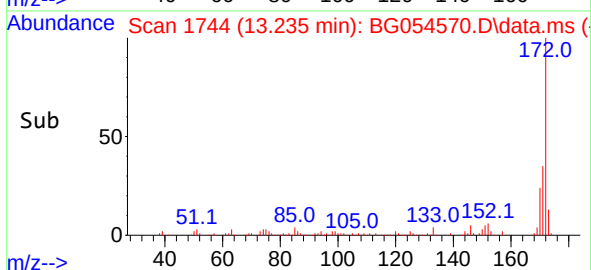
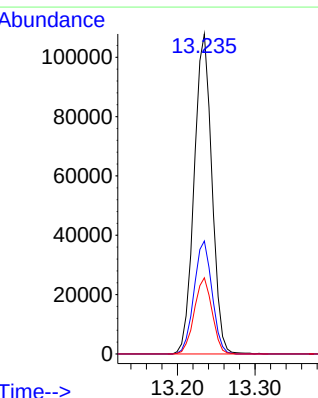
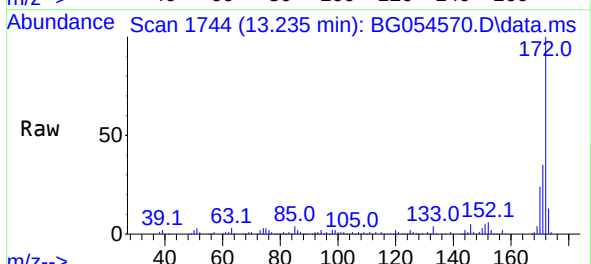
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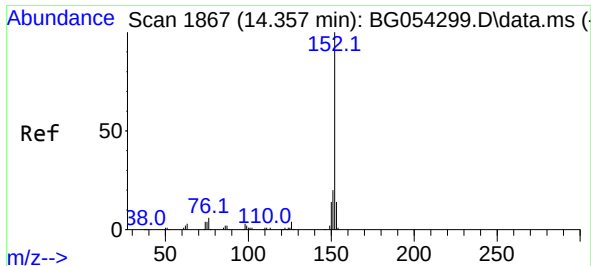
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#45
2-Fluorobiphenyl
Concen: 37.838 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

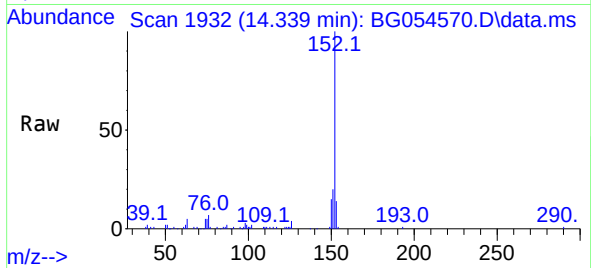
Tgt Ion:172 Resp: 170921
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.8 18.9 28.3





#49
Acenaphthylene
Concen: 14.925 ng
RT: 14.339 min Scan# 1932
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

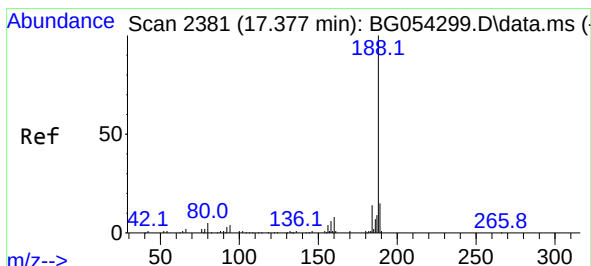
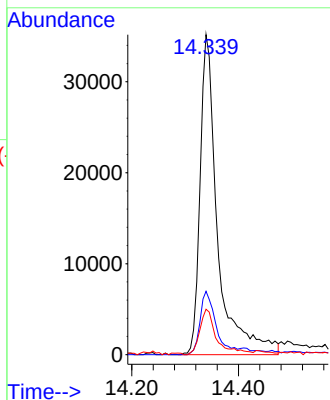
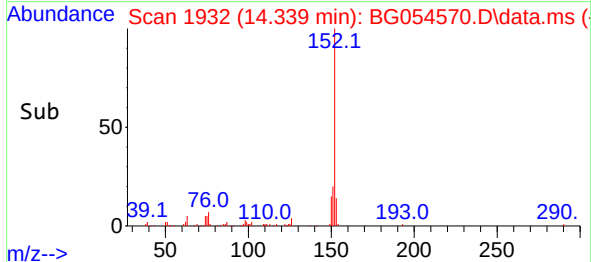
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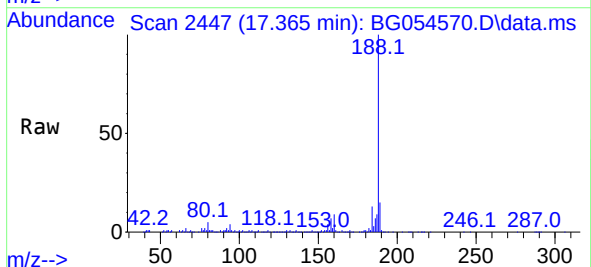
Tgt Ion:152 Resp: 80914
Ion Ratio Lower Upper
152 100
151 19.8 16.4 24.6
153 14.2 10.8 16.2

Manual Integrations
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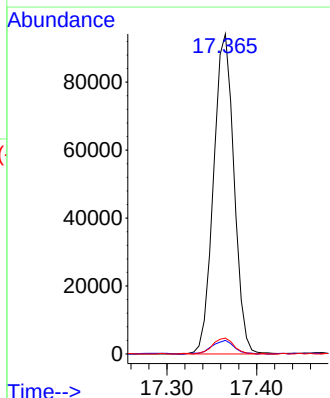
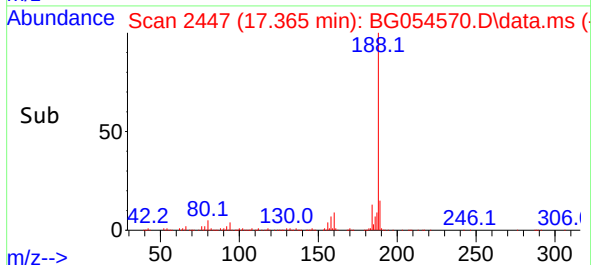
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

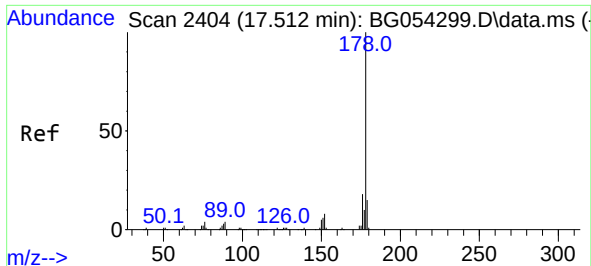


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.004 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01



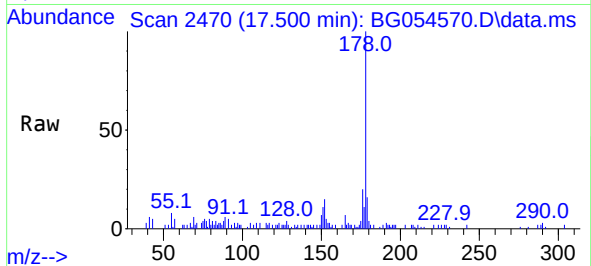
Tgt Ion:188 Resp: 149045
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.9 6.8 10.2#





#72
 Anthracene
 Concen: 3.288 ng
 RT: 17.500 min Scan# 2404
 Delta R.T. 0.004 min
 Lab File: BG054570.D
 Acq: 9 Aug 2022 15:01

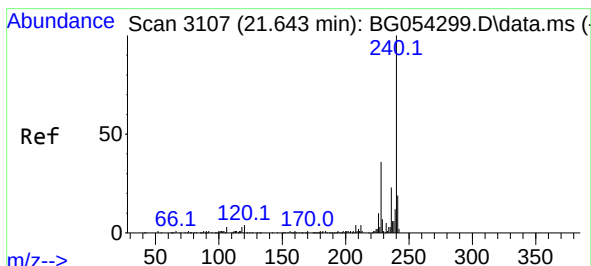
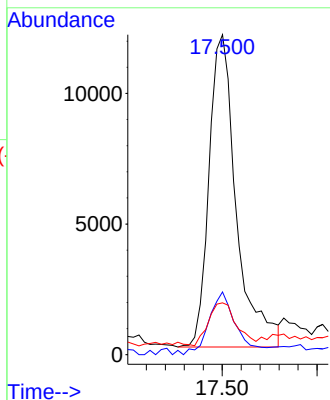
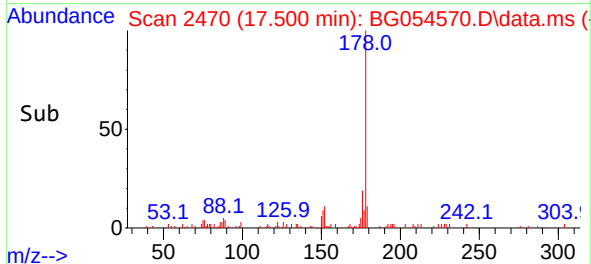
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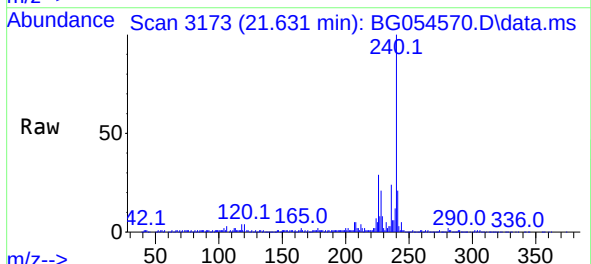
Tgt Ion:178 Resp: 23940
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.2 22.8
 179 16.2 13.0 19.4

Manual Integrations
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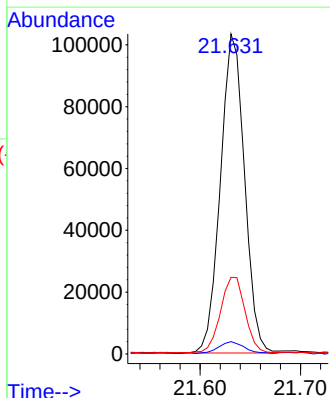
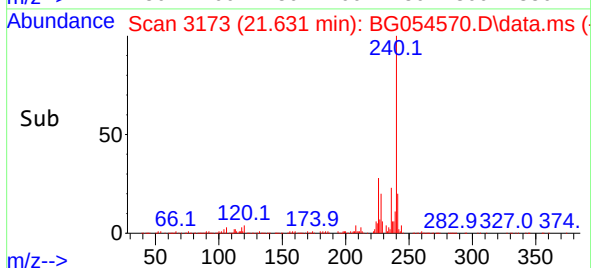
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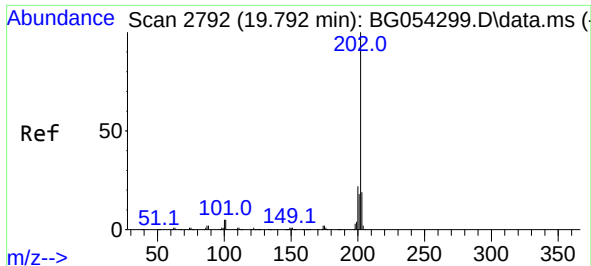


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.631 min Scan# 3173
 Delta R.T. -0.002 min
 Lab File: BG054570.D
 Acq: 9 Aug 2022 15:01



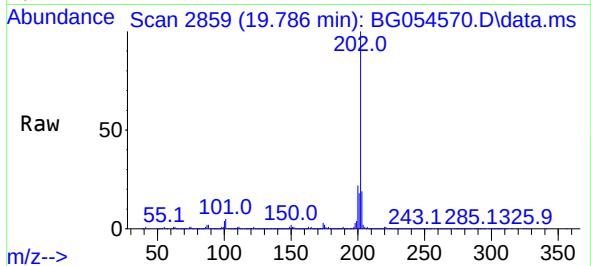
Tgt Ion:240 Resp: 171940
 Ion Ratio Lower Upper
 240 100
 120 3.9 4.6 7.0#
 236 24.0 20.2 30.4





#78
Pyrene
Concen: 40.679 ng
RT: 19.786 min Scan# 2859
Delta R.T. 0.004 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

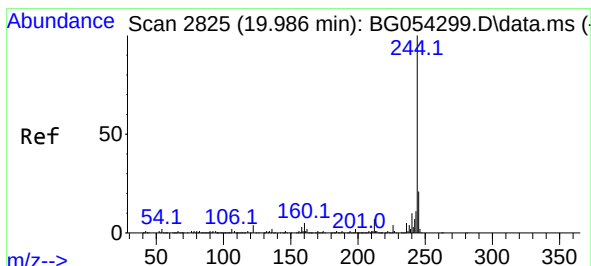
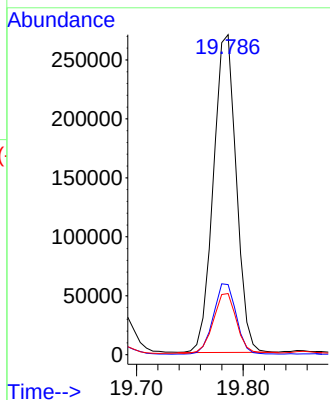
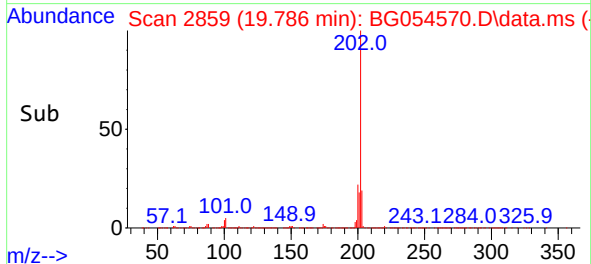
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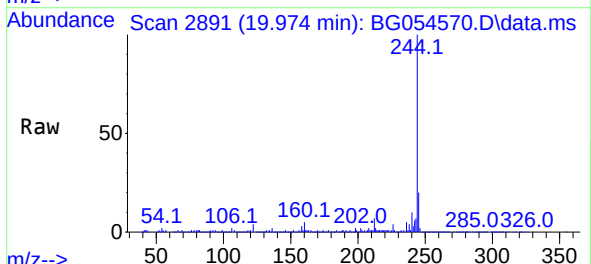
Tgt Ion:202 Resp: 40133
Ion Ratio Lower Upper
202 100
200 21.9 16.6 24.8
203 19.1 14.6 21.8

Manual Integrations
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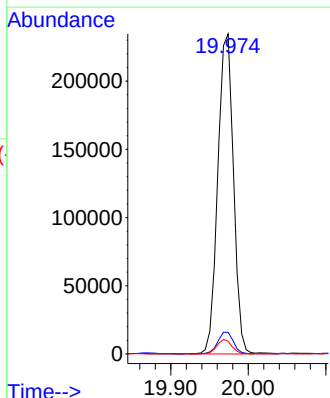
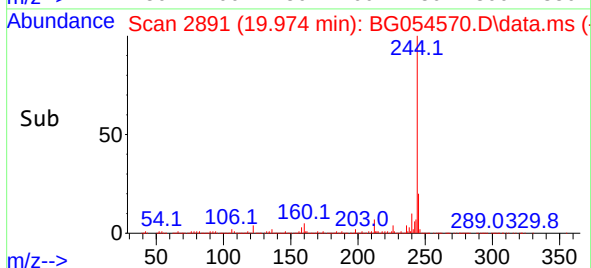
Reviewed By :Christian Giraldo 08/10/2022
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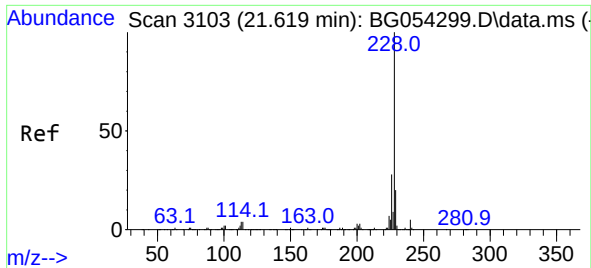


#79
Terphenyl-d14
Concen: 38.177 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.004 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01



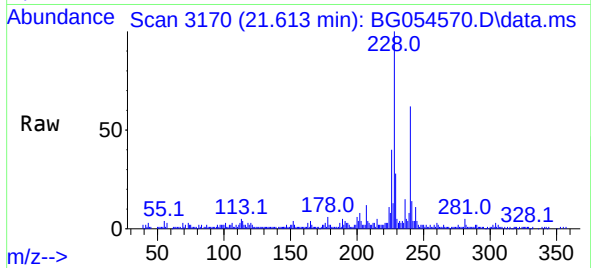
Tgt Ion:244 Resp: 330888
Ion Ratio Lower Upper
244 100
212 6.8 6.5 9.7
122 4.0 5.0 7.4





#81
Benzo(a)anthracene
Concen: 5.611 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

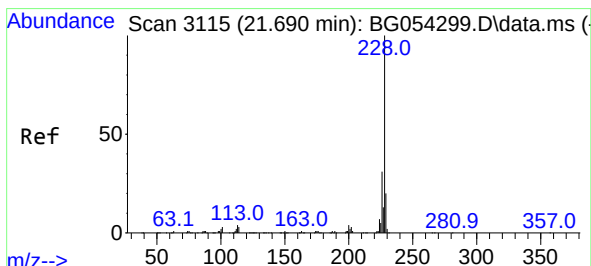
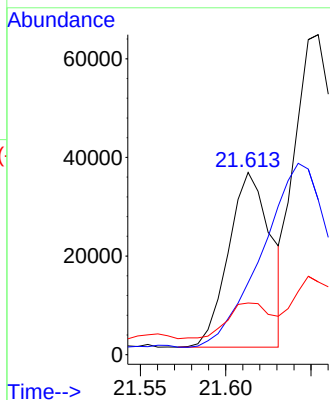
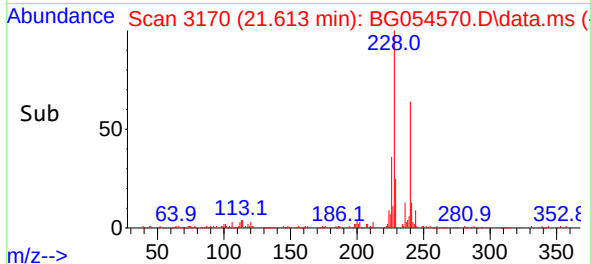
Instrument :
BNA_G
ClientSampleId :
P-5EDL



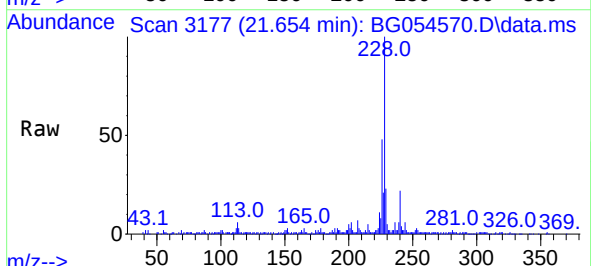
Tgt Ion:228 Resp: 61239
Ion Ratio Lower Upper
228 100
226 39.5 21.6 32.4
229 28.3 16.2 24.2

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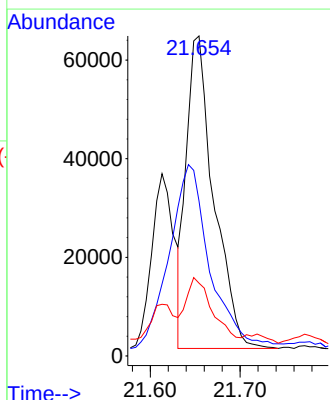
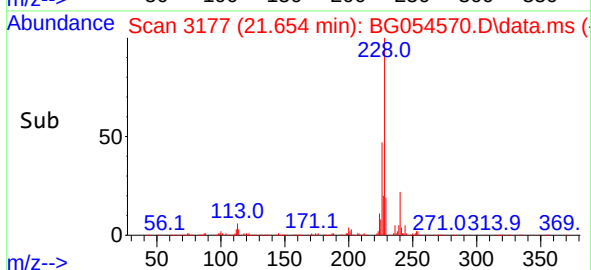
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

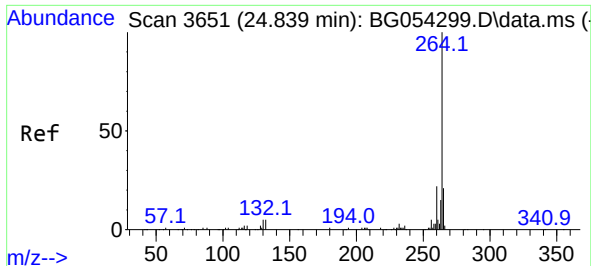


#83
Chrysene
Concen: 13.059 ng
RT: 21.654 min Scan# 3177
Delta R.T. -0.026 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01



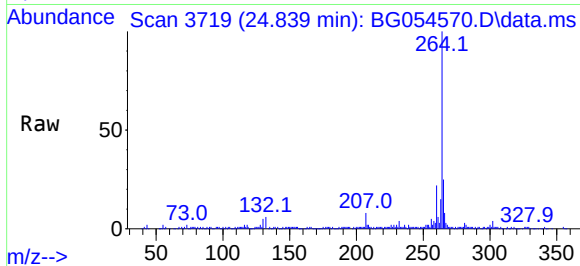
Tgt Ion:228 Resp: 134666
Ion Ratio Lower Upper
228 100
226 48.5 23.4 35.2
229 22.8 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.839 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

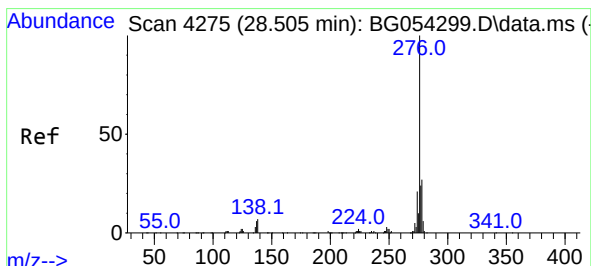
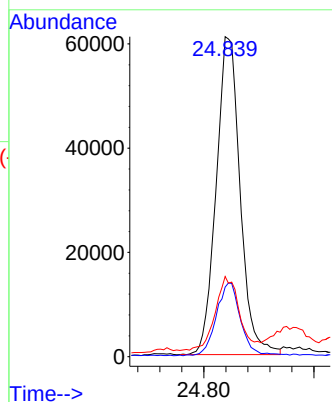
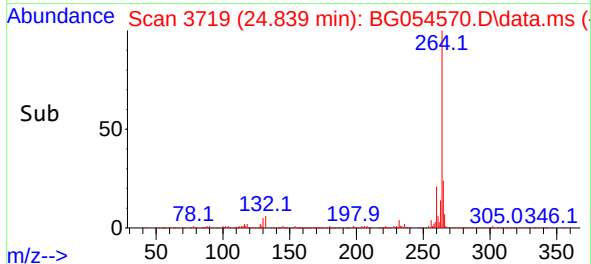
Instrument :
BNA_G
ClientSampleId :
P-5EDL



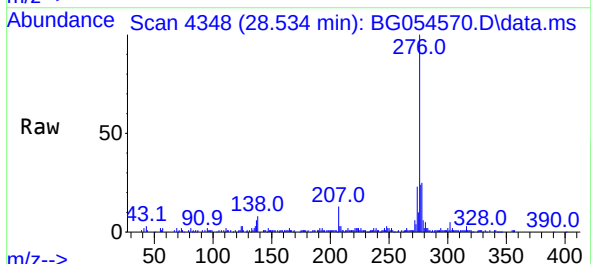
Tgt Ion:264 Resp: 18468
Ion Ratio Lower Upper
264 100
260 21.7 19.0 28.6
265 25.1 17.4 26.2

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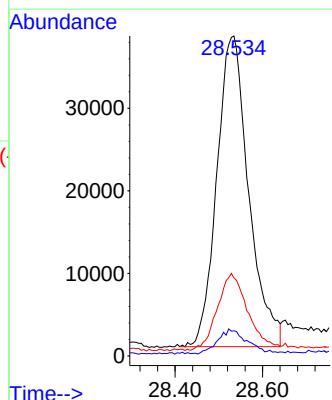
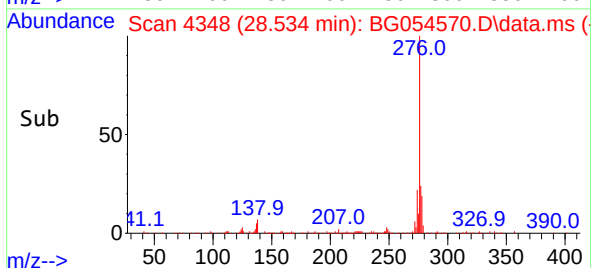
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

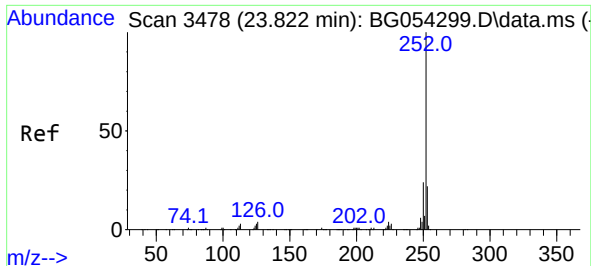


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.527 ng
RT: 28.534 min Scan# 4348
Delta R.T. 0.004 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01



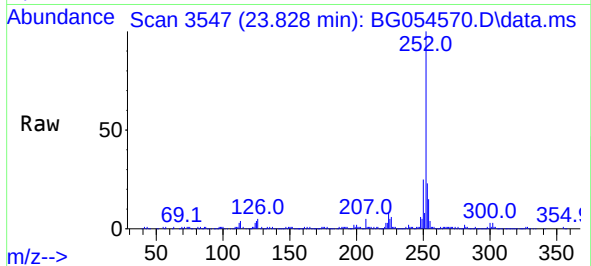
Tgt Ion:276 Resp: 190056
Ion Ratio Lower Upper
276 100
138 7.3 5.0 7.4
277 23.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 27.494 ng m
RT: 23.828 min Scan# 30029
Delta R.T. 0.010 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

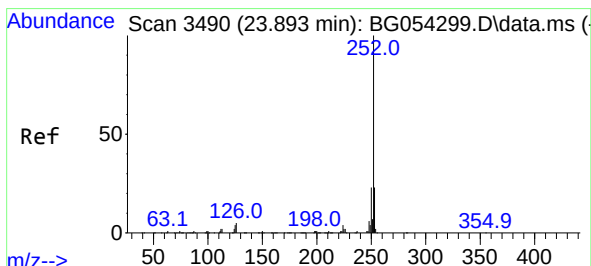
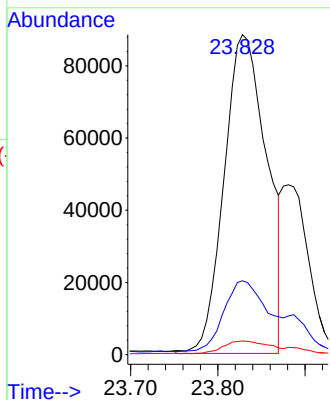
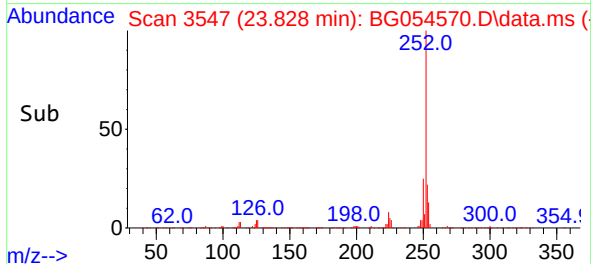
Instrument :
BNA_G
ClientSampleId :
P-5EDL



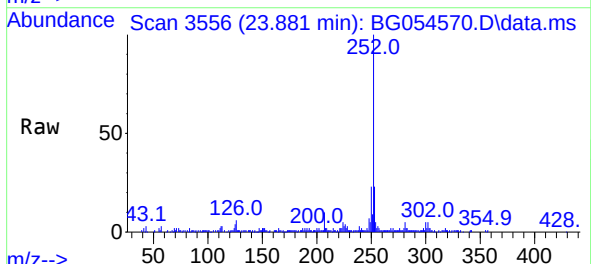
Tgt Ion:252 Resp: 30029
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 4.3 4.6 6.8

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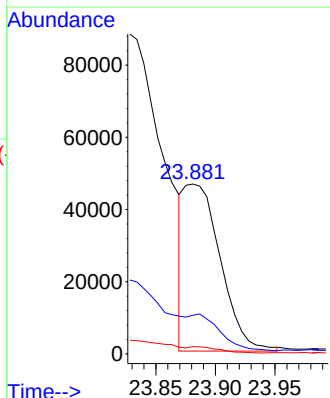
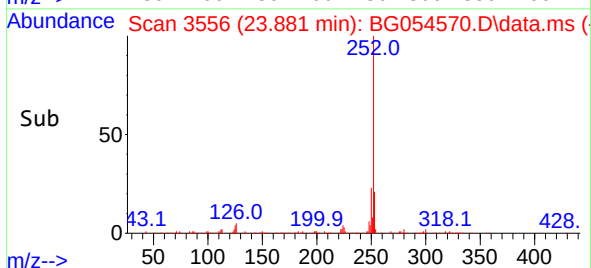
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

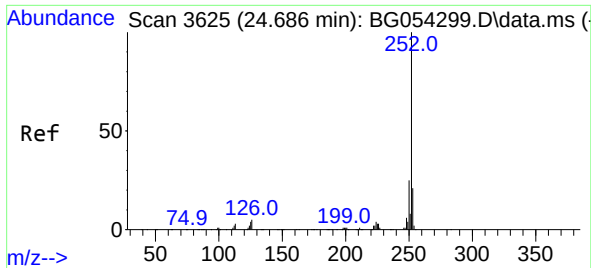


#89
Benzo(k)fluoranthene
Concen: 9.046 ng m
RT: 23.881 min Scan# 3556
Delta R.T. -0.002 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01



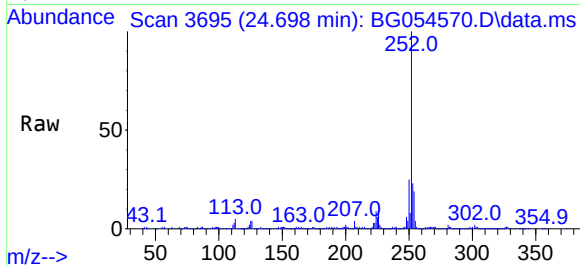
Tgt Ion:252 Resp: 98327
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 4.4 4.8 7.2





#90
Benzo(a)pyrene
Concen: 37.954 ng m
RT: 24.698 min Scan# 3
Delta R.T. 0.010 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01

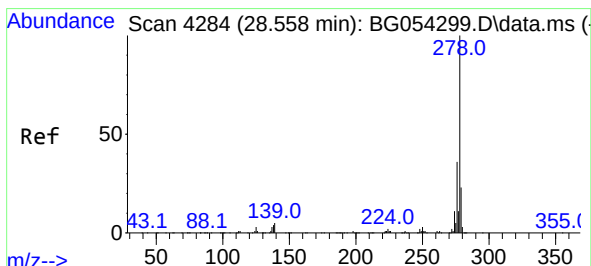
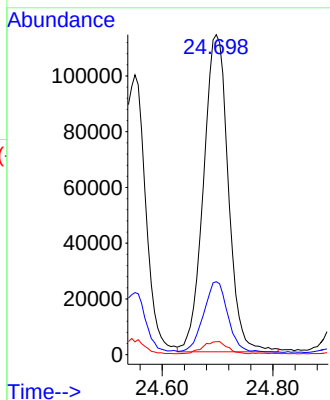
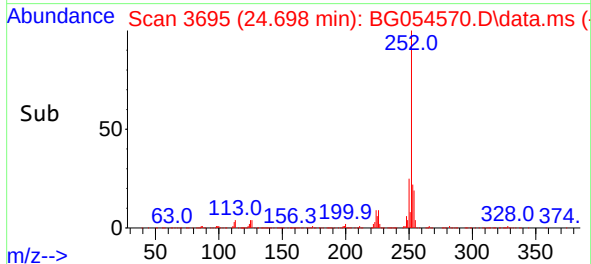
Instrument :
BNA_G
ClientSampleId :
P-5EDL



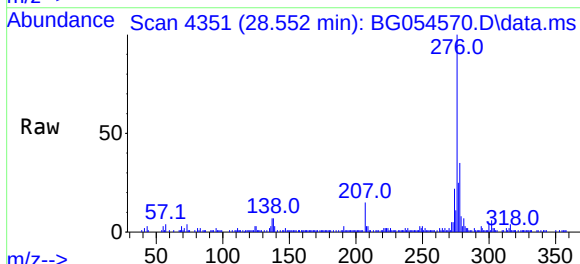
Tgt Ion:252 Resp: 354024
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 4.1 4.3 6.5

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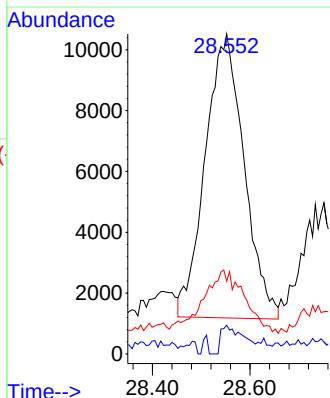
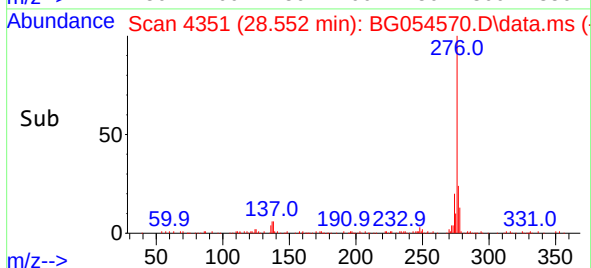
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

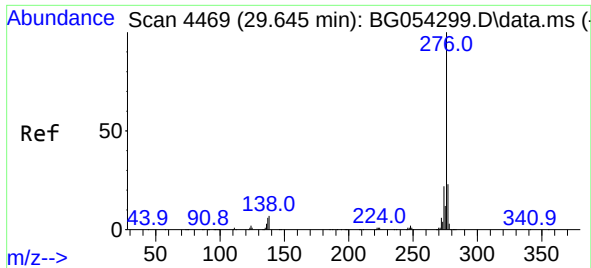


#91
Dibenzo(a,h)anthracene
Concen: 4.462 ng
RT: 28.552 min Scan# 4351
Delta R.T. -0.020 min
Lab File: BG054570.D
Acq: 9 Aug 2022 15:01



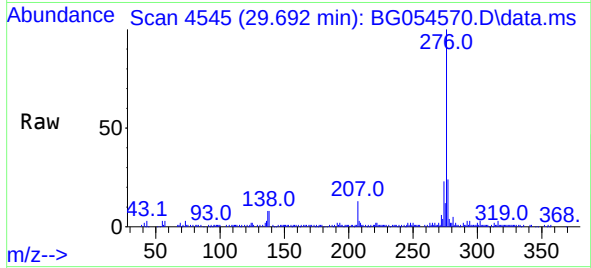
Tgt Ion:278 Resp: 51547
Ion Ratio Lower Upper
278 100
139 9.0 7.2 10.8
279 22.7 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 18.689 ng
 RT: 29.692 min Scan# 4
 Delta R.T. 0.016 min
 Lab File: BG054570.D
 Acq: 9 Aug 2022 15:01

Instrument :
 BNA_G
 ClientSampleId :
 P-5EDL



Tgt Ion:276 Resp: 21310
 Ion Ratio Lower Upper
 276 100
 277 23.8 17.3 25.9
 138 8.0 9.6 14.4

Manual Integrations
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Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022

