

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054562.D
 Acq On : 8 Aug 2022 21:09
 Operator : CG/JU
 Sample : N4064-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-13

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 09 01:58:14 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	19883	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	78545	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	55976	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	131696	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	144118	20.000	ng	# 0.00
86) Perylene-d12	24.851	264	130915	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	107820	113.220	ng	0.00
7) Phenol-d6	7.183	99	144314	110.595	ng	0.00
23) Nitrobenzene-d5	9.146	82	98838	68.527	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	110553	94.065	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	283656	71.486	ng	0.00
79) Terphenyl-d14	19.974	244	509382	70.117	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.406	178	67823	10.341	ng	99
75) Fluoranthene	19.422	202	237673	26.585	ng	95
78) Pyrene	19.786	202	208256	25.184	ng	99
81) Benzo(a)anthracene	21.619	228	135595	14.822	ng	98
83) Chrysene	21.684	228	152210	17.610	ng	96
87) Indeno(1,2,3-cd)pyrene	28.552	276	61290	6.154	ng	# 72
88) Benzo(b)fluoranthene	23.840	252	211179	27.276	ng	# 95
89) Benzo(k)fluoranthene	23.893	252	73583m	9.550	ng	
90) Benzo(a)pyrene	24.698	252	129169	19.536	ng	98
92) Benzo(g,h,i)perylene	29.692	276	56961m	7.047	ng	

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

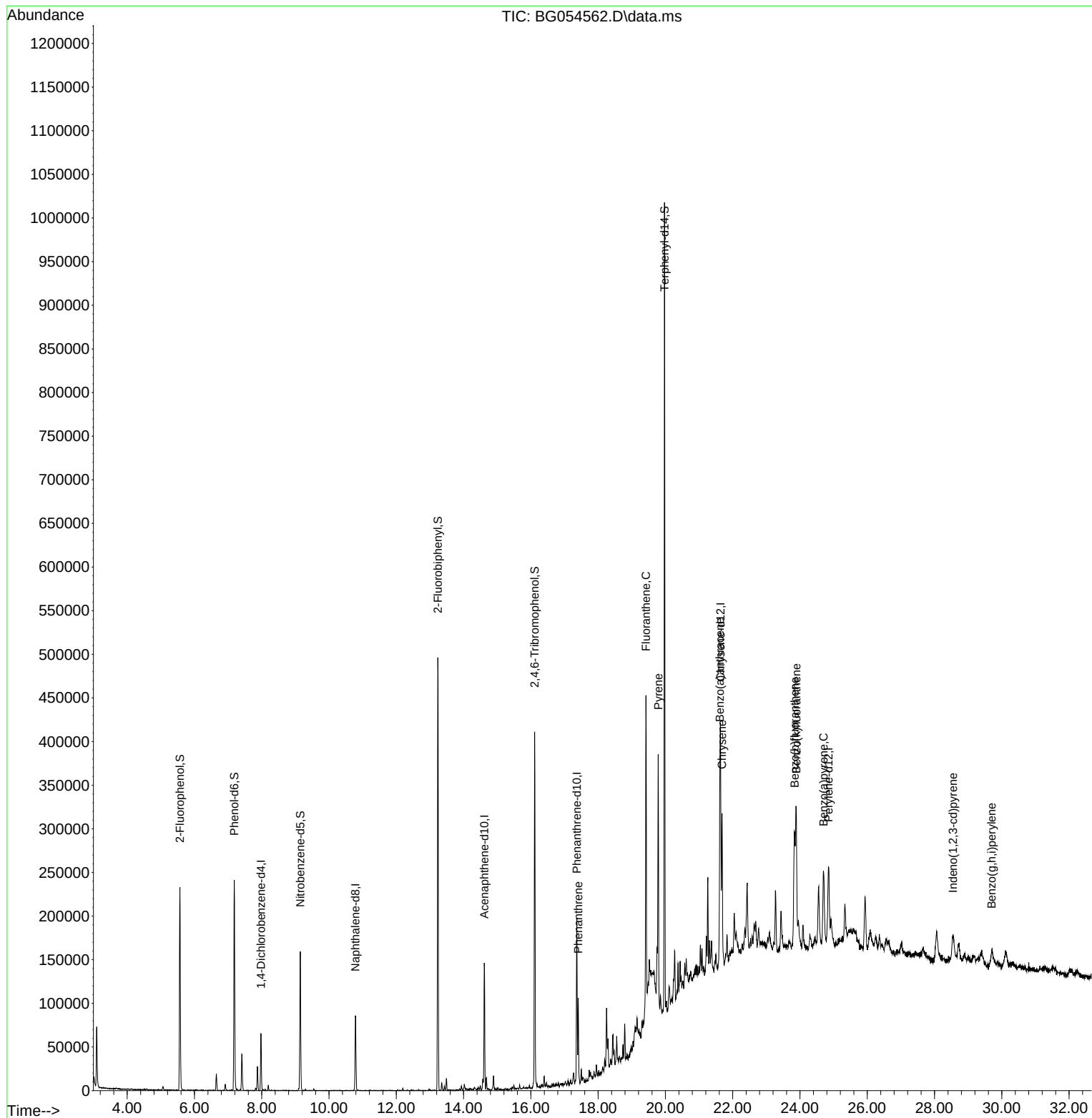
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054562.D
Acq On : 8 Aug 2022 21:09
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ALS Vial : 17 Sample Multiplier: 1

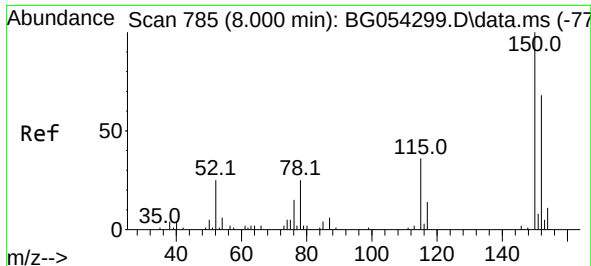
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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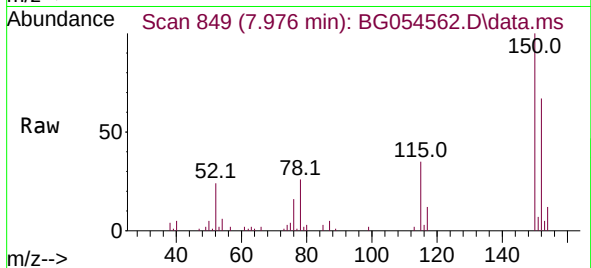
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

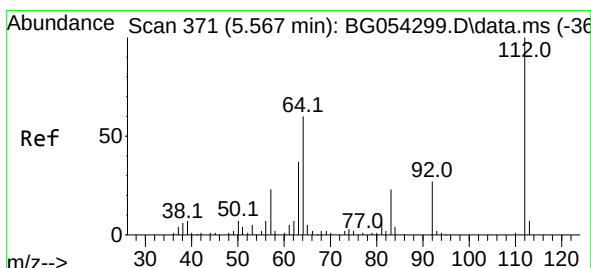
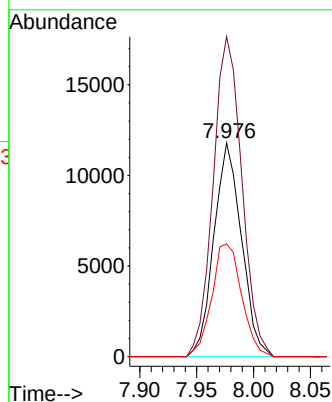
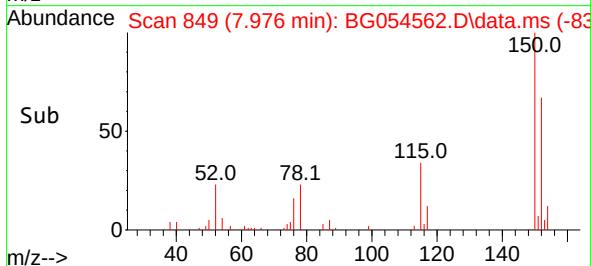
Instrument :
BNA_G
ClientSampleId :
SB-13



Tgt Ion:152 Resp: 19883
Ion Ratio Lower Upper
152 100
150 149.8 131.6 197.4
115 52.8 50.9 76.3

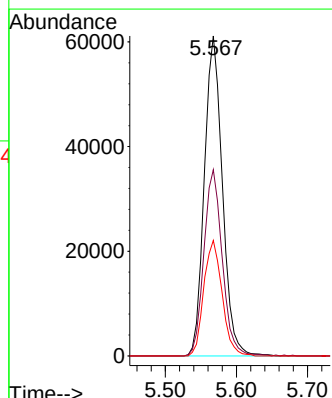
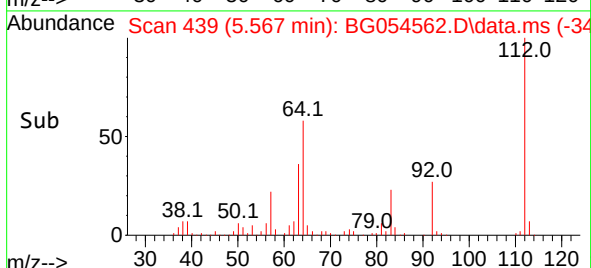
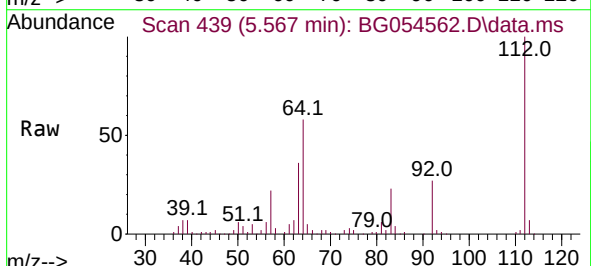
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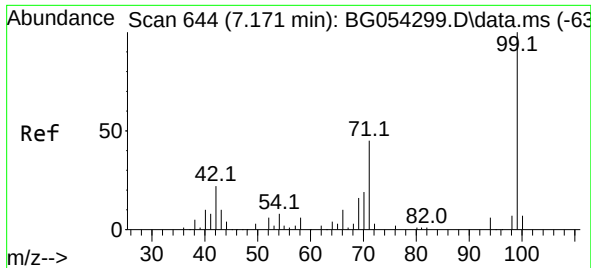
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 113.220 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

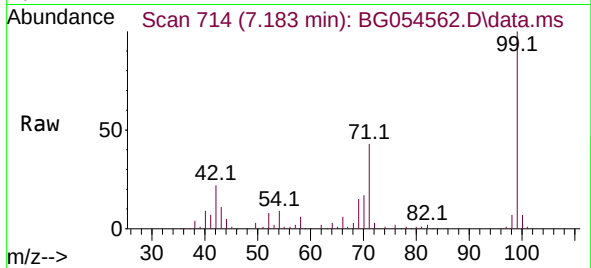
Tgt Ion:112 Resp: 107820
Ion Ratio Lower Upper
112 100
64 58.2 55.1 82.7
63 36.1 30.4 45.6





#7
Phenol-d6
Concen: 110.595 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

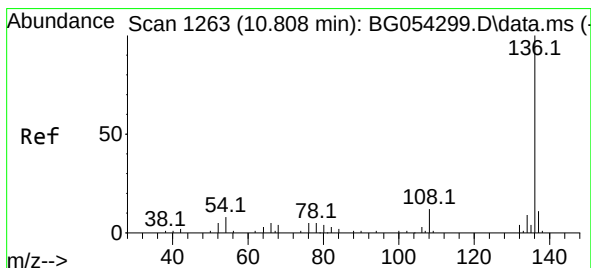
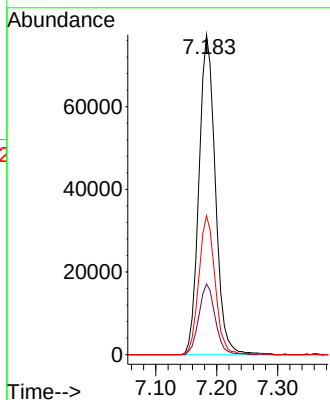
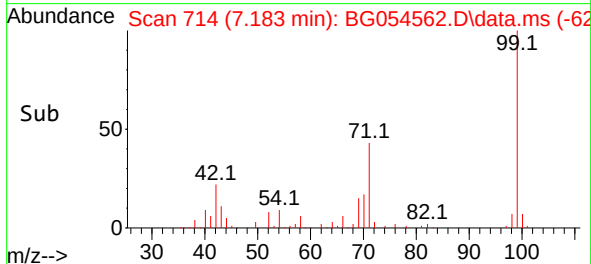
Instrument :
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ClientSampleId :
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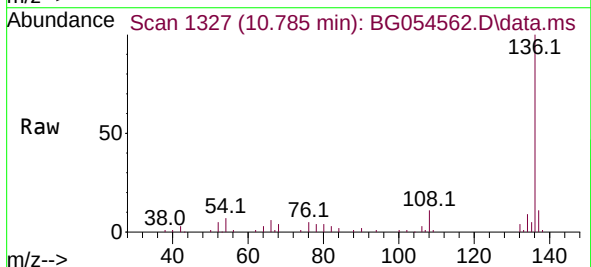
Tgt Ion: 99 Resp: 144314
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 43.4 33.8 50.8

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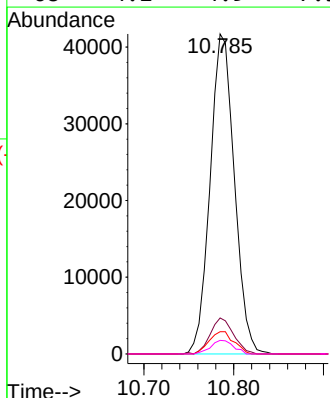
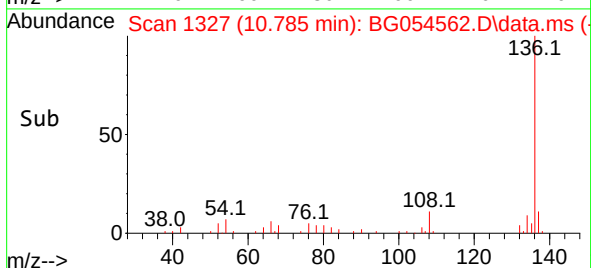
Reviewed By :Christian Giraldo 08/09/2022
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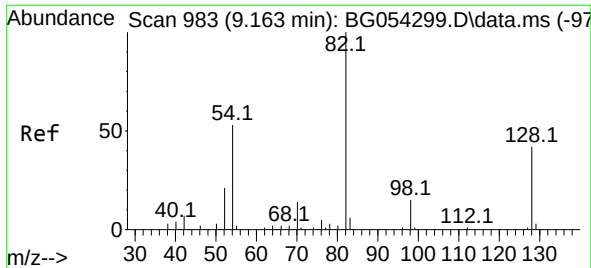


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.002 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09



Tgt Ion:136 Resp: 78545
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 6.9 7.4 11.2#
68 4.2 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 68.527 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Instrument :

BNA_G

ClientSampleId :

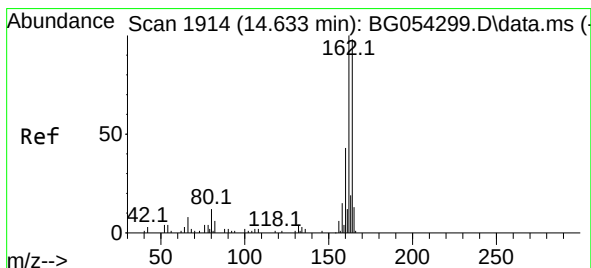
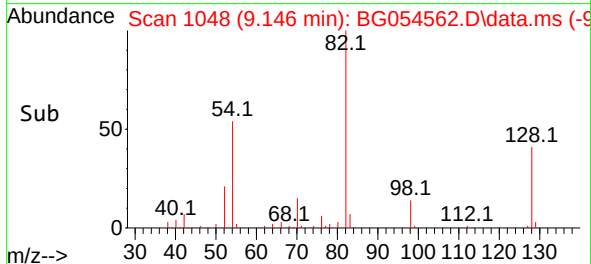
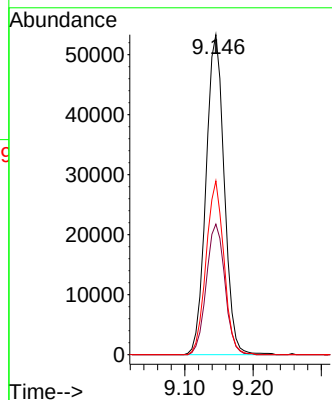
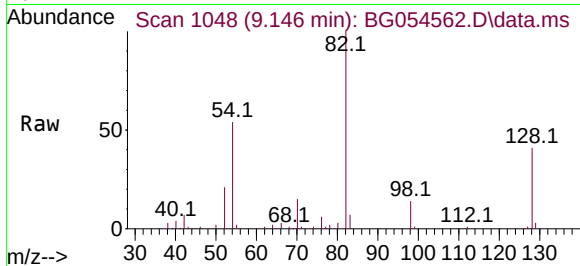
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Tgt Ion: 82 Resp: 98838
Ion Ratio Lower Upper
82 100
128 40.8 27.9 41.9
54 54.3 41.2 61.8

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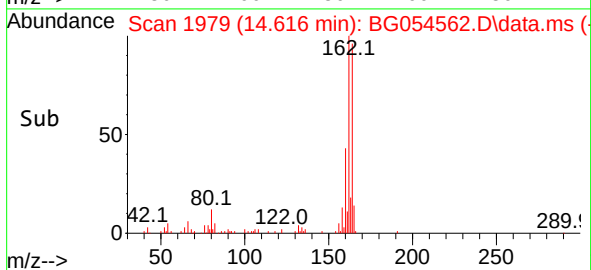
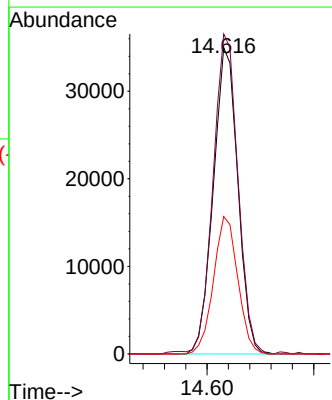
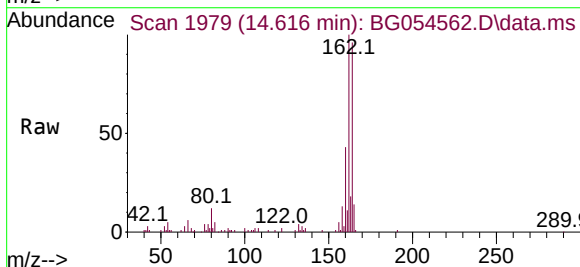
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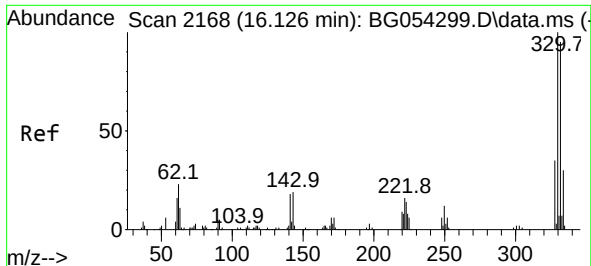
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Tgt Ion:164 Resp: 55976
Ion Ratio Lower Upper
164 100
162 104.5 82.3 123.5
160 44.8 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 94.065 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Instrument :

BNA_G

ClientSampleId :

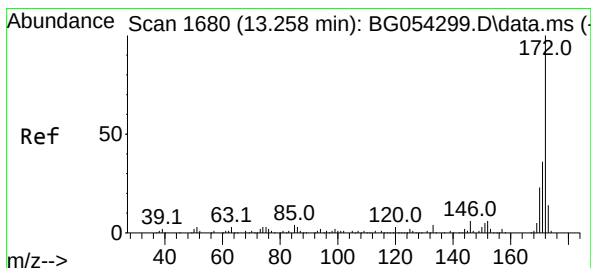
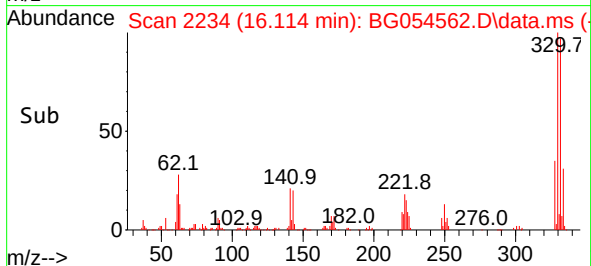
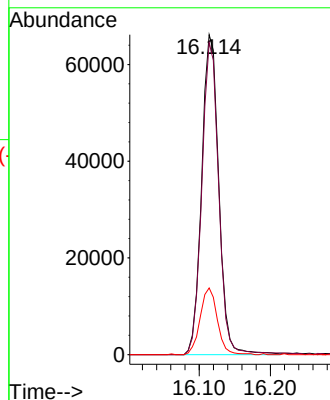
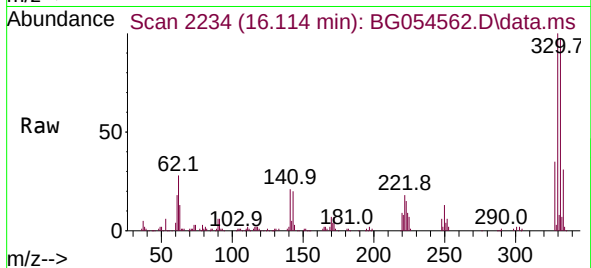
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Tgt Ion:330 Resp: 110553
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 20.8 27.1 40.7

Manual Integrations

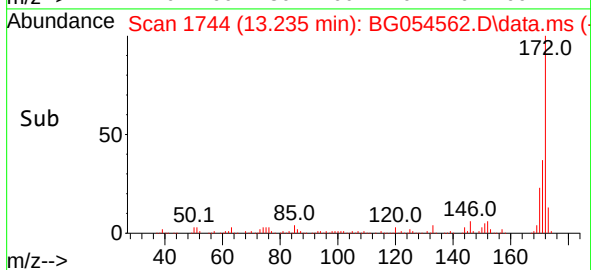
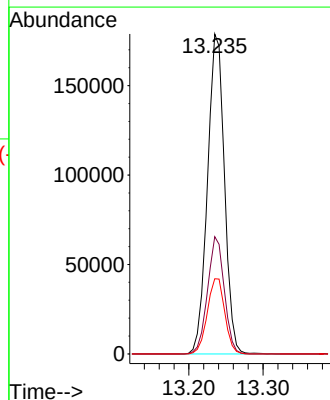
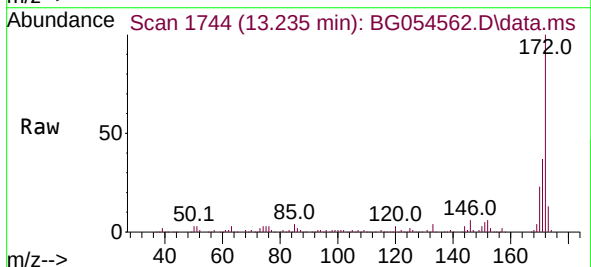
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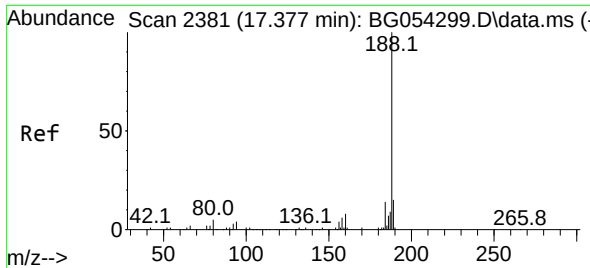
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#45
2-Fluorobiphenyl
Concen: 71.486 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

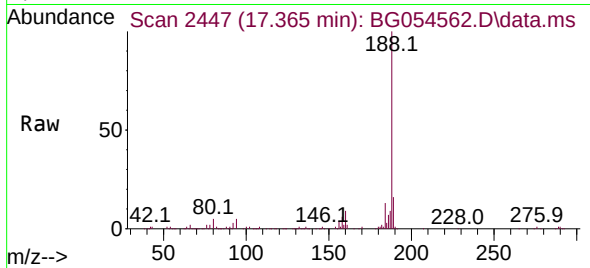
Tgt Ion:172 Resp: 283656
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 23.5 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

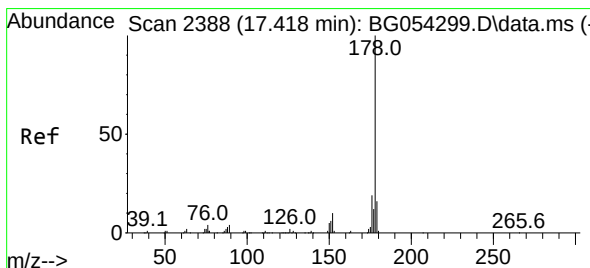
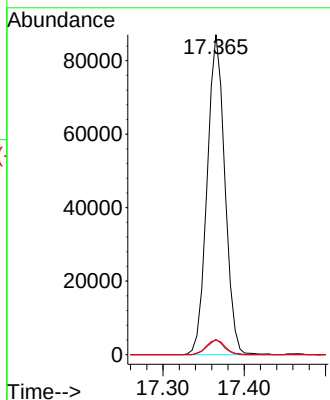
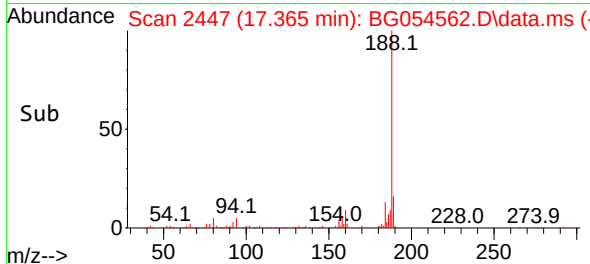
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SB-13



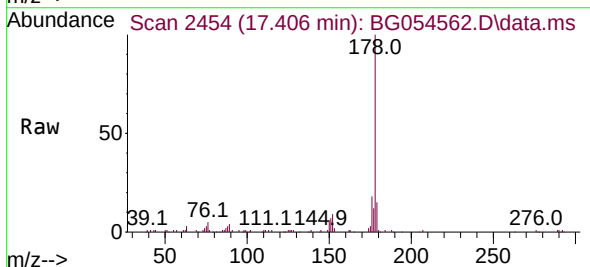
Tgt Ion:188 Resp: 131696
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0
80 4.5 6.8 10.2

Manual Integrations
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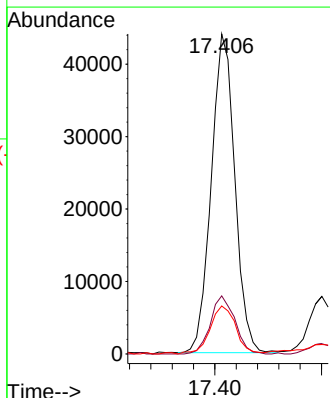
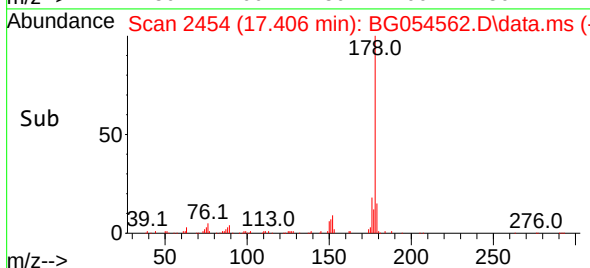
Reviewed By :Christian Giraldo 08/09/2022
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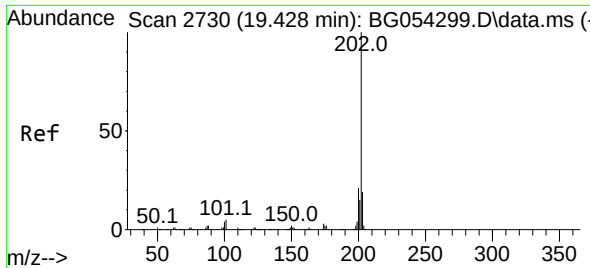


#71
Phenanthrene
Concen: 10.341 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09



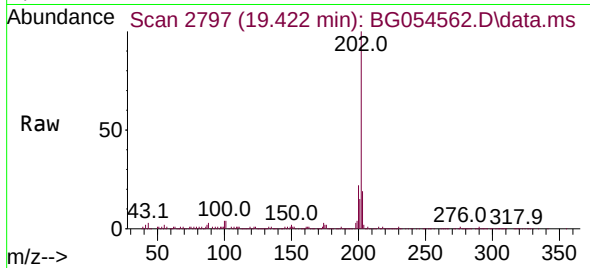
Tgt Ion:178 Resp: 67823
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 15.0 12.1 18.1





#75
Fluoranthene
Concen: 26.585 ng
RT: 19.422 min Scan# 2174
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

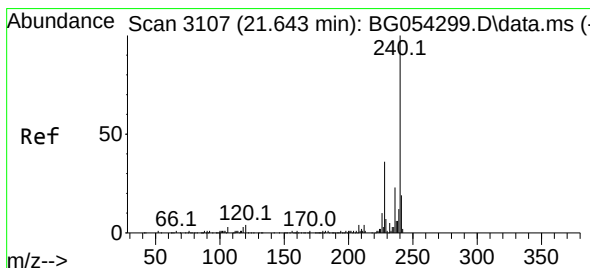
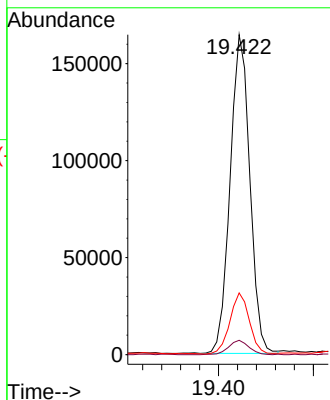
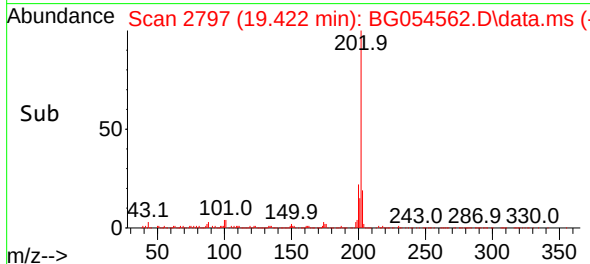
Instrument :
BNA_G
ClientSampleId :
SB-13



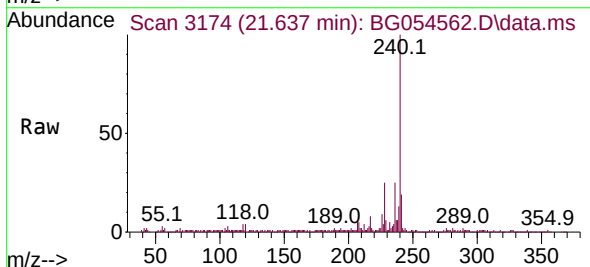
Tgt Ion:202 Resp: 237673
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 19.3 0.0 37.2

Manual Integrations
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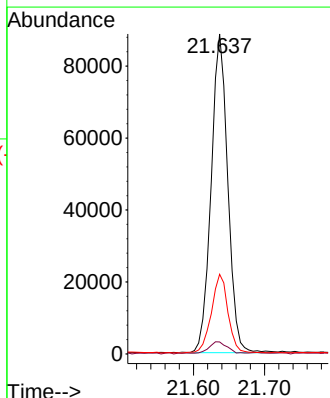
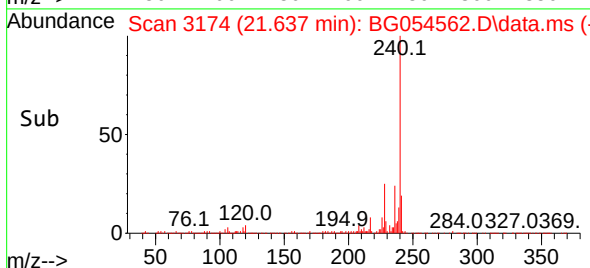
Reviewed By :Christian Giraldo 08/09/2022
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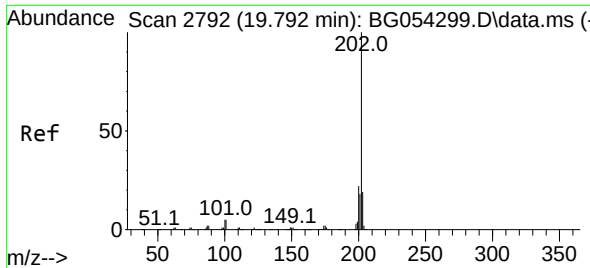


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3174
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09



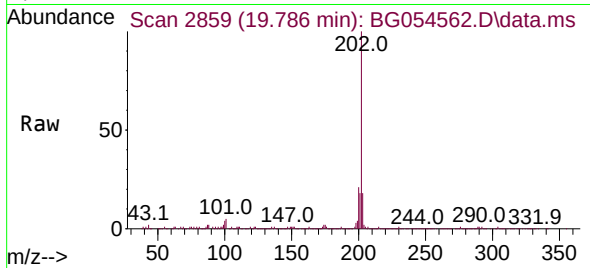
Tgt Ion:240 Resp: 144118
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 24.9 20.2 30.4





#78
Pyrene
Concen: 25.184 ng
RT: 19.786 min Scan# 2859
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

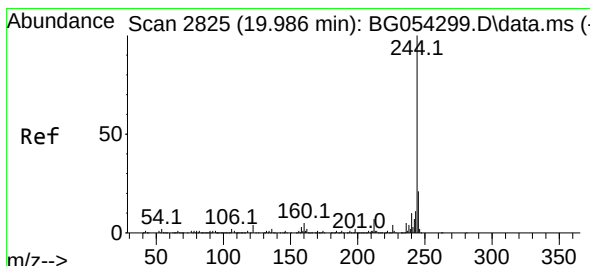
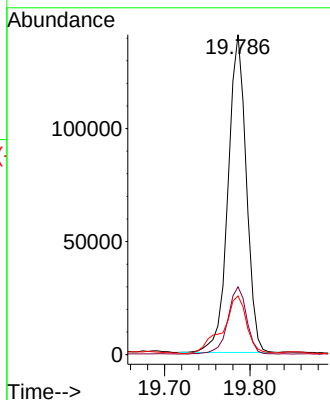
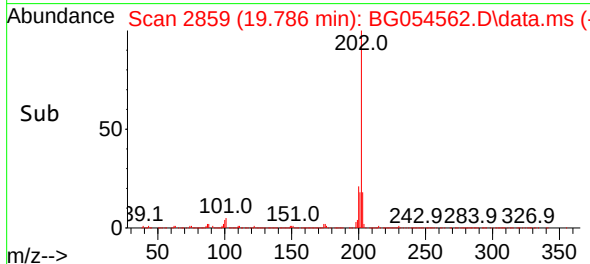
Instrument :
BNA_G
ClientSampleId :
SB-13



Tgt Ion:202 Resp: 208256
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 18.3 14.6 21.8

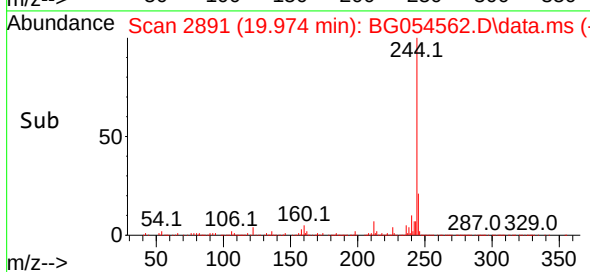
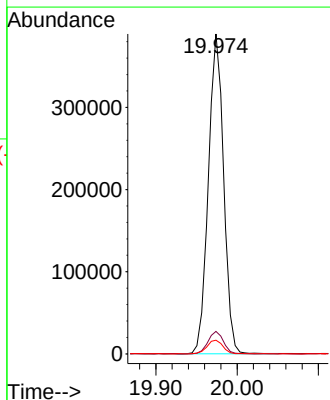
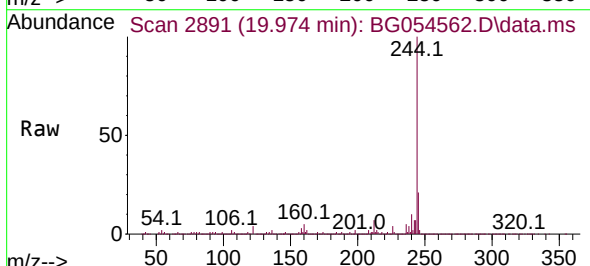
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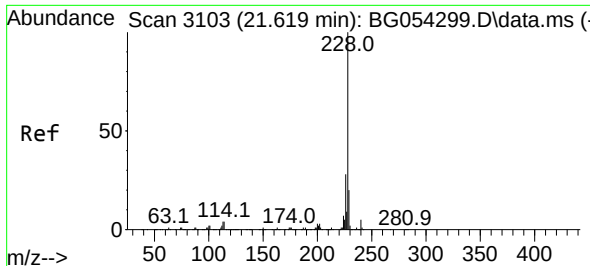
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#79
Terphenyl-d14
Concen: 70.117 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

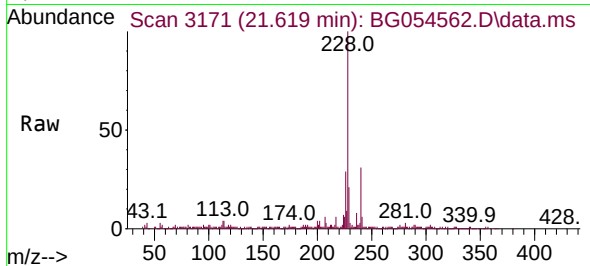
Tgt Ion:244 Resp: 509382
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.3 5.0 7.4





#81
Benzo(a)anthracene
Concen: 14.822 ng
RT: 21.619 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

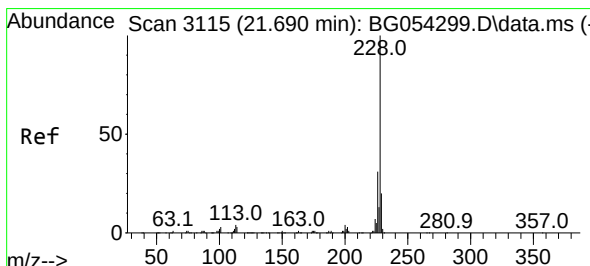
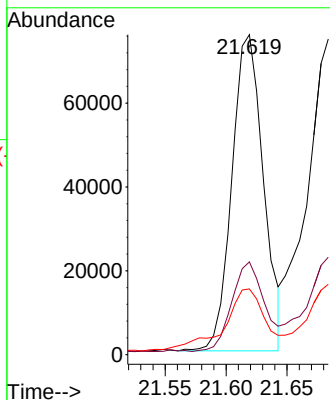
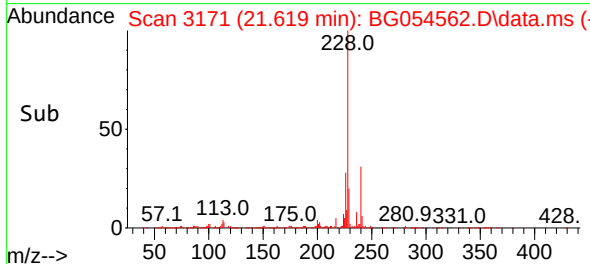
Instrument :
BNA_G
ClientSampleId :
SB-13



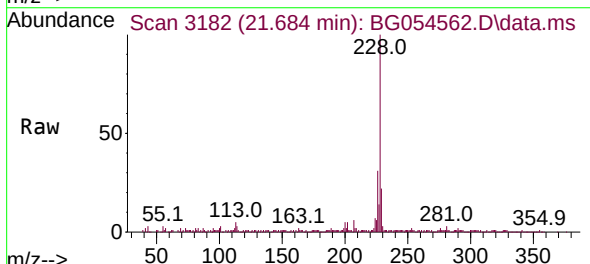
Tgt Ion:228 Resp: 135595
Ion Ratio Lower Upper
228 100
226 29.0 21.6 32.4
229 20.5 16.2 24.2

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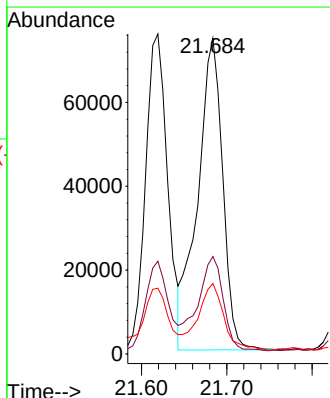
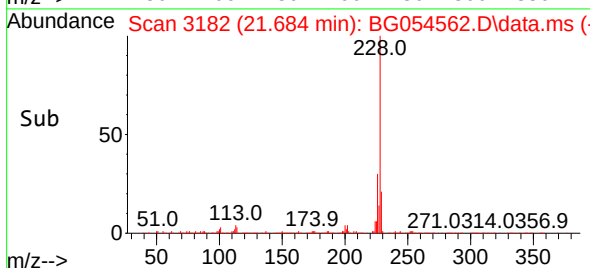
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

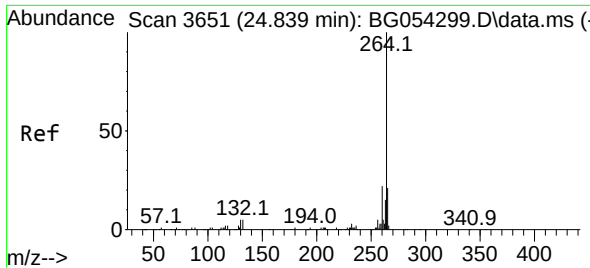


#83
Chrysene
Concen: 17.610 ng
RT: 21.684 min Scan# 3182
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09



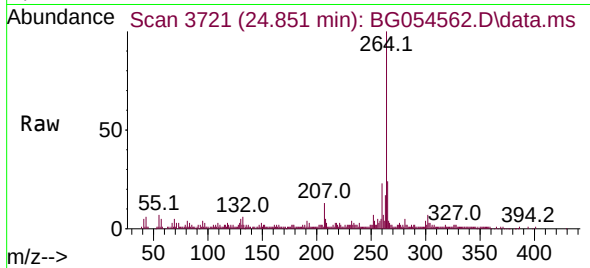
Tgt Ion:228 Resp: 152210
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.2
229 22.3 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.851 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: BG054562.D
 Acq: 8 Aug 2022 21:09

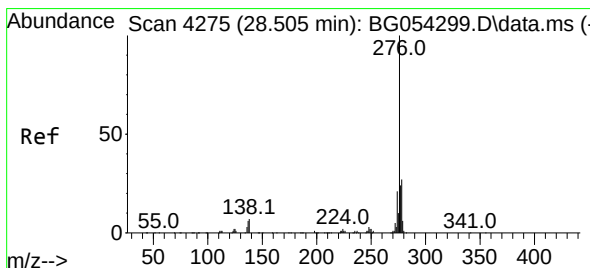
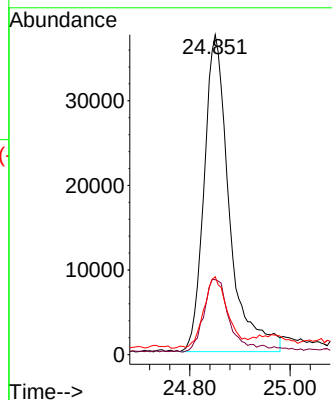
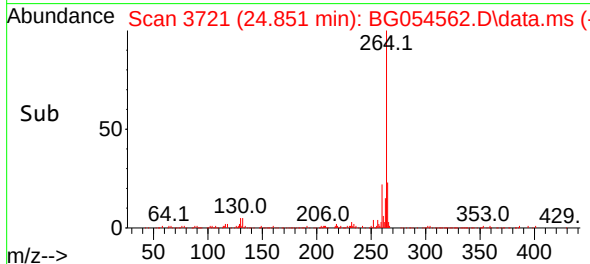
Instrument :
 BNA_G
 ClientSampleId :
 SB-13



Tgt Ion:264 Resp: 130915
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.6
 265 24.3 17.4 26.2

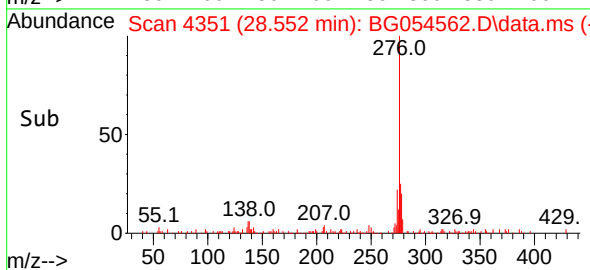
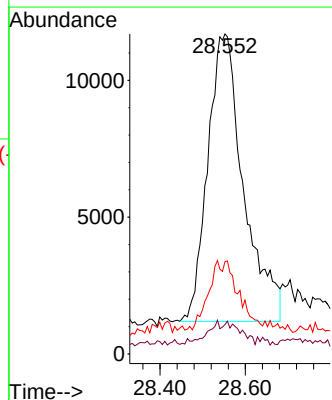
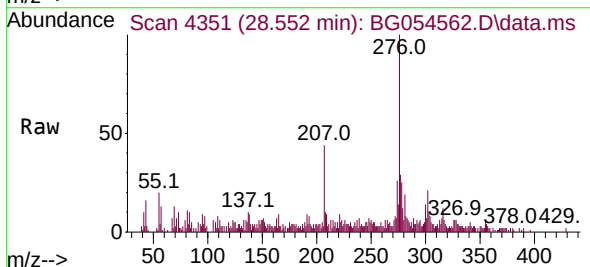
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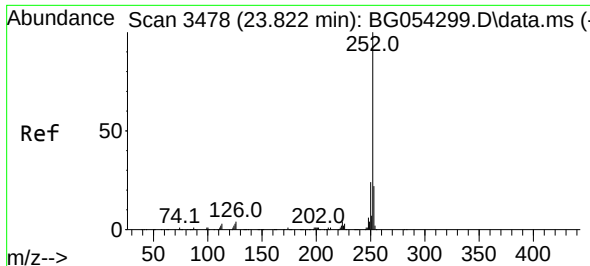
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.154 ng
 RT: 28.552 min Scan# 4351
 Delta R.T. 0.022 min
 Lab File: BG054562.D
 Acq: 8 Aug 2022 21:09

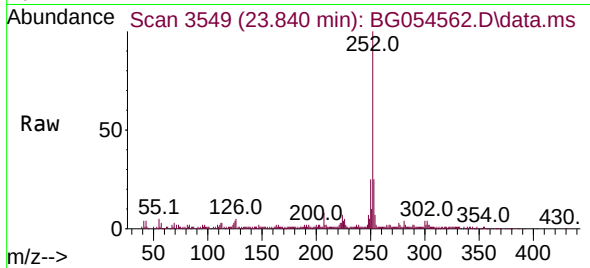
Tgt Ion:276 Resp: 61290
 Ion Ratio Lower Upper
 276 100
 138 2.0 5.0 7.4#
 277 9.4 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 27.276 ng
RT: 23.840 min Scan# 3549
Delta R.T. 0.022 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

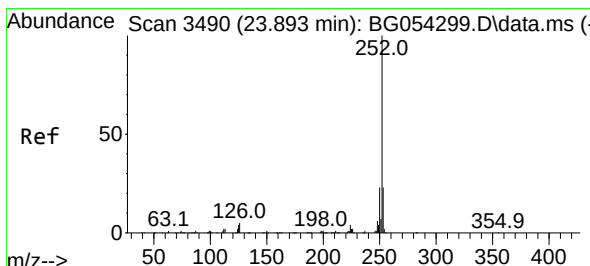
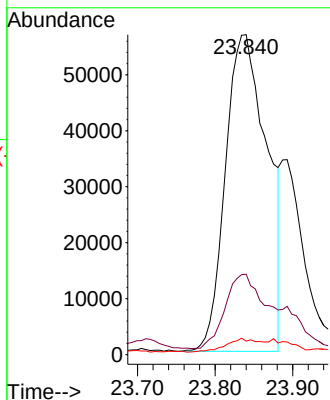
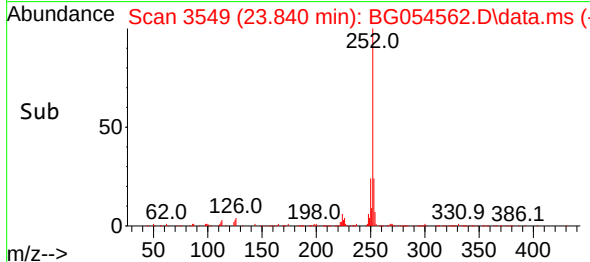
Instrument :
BNA_G
ClientSampleId :
SB-13



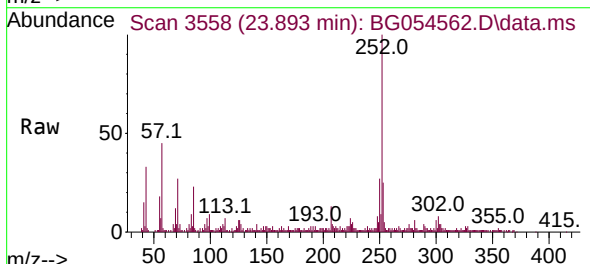
Tgt Ion:252 Resp: 211179
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 4.2 4.6 6.8

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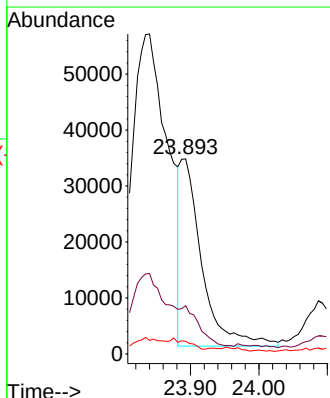
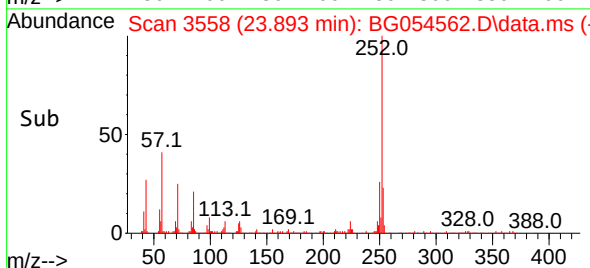
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

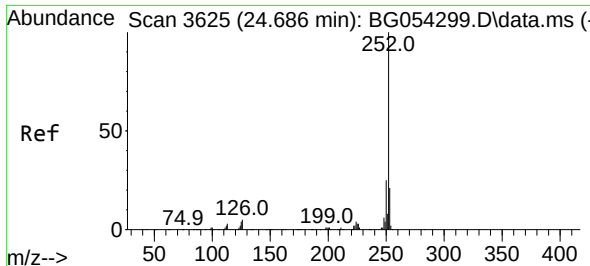


#89
Benzo(k)fluoranthene
Concen: 9.550 ng m
RT: 23.893 min Scan# 3558
Delta R.T. 0.010 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09



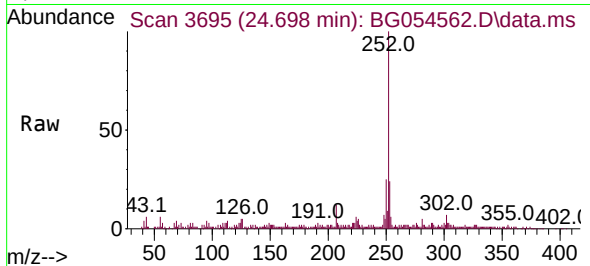
Tgt Ion:252 Resp: 73583
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 6.4 4.8 7.2





#90
Benzo(a)pyrene
Concen: 19.536 ng
RT: 24.698 min Scan# 3695
Delta R.T. 0.010 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

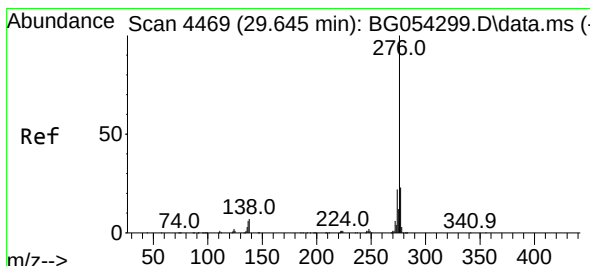
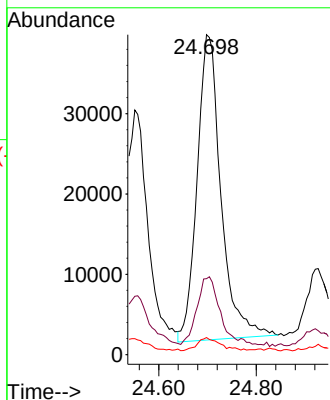
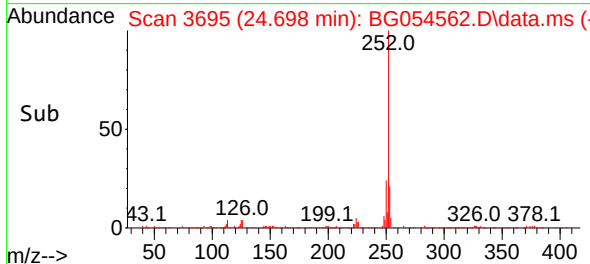
Instrument :
BNA_G
ClientSampleId :
SB-13



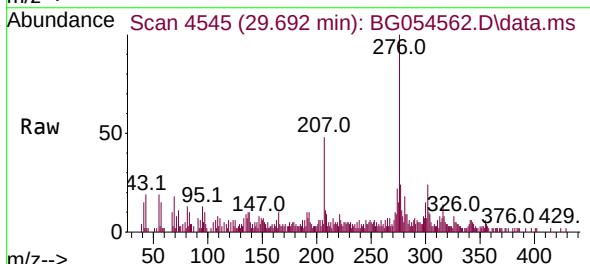
Tgt Ion:252 Resp: 129169
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 5.3 4.3 6.5

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Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#92
Benzo(g,h,i)perylene
Concen: 7.047 ng m
RT: 29.692 min Scan# 4545
Delta R.T. 0.016 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09



Tgt Ion:276 Resp: 56961
Ion Ratio Lower Upper
276 100
277 24.1 17.3 25.9
138 9.5 9.6 14.4#

