

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054377.D
 Acq On : 25 Jul 2022 13:04
 Operator : CG/JU
 Sample : N3814-09DL 25X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(10-15)DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/26/2022
 Supervised By : Jagrut Upadhyay 07/26/2022

Quant Time: Jul 26 00:54:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	19085	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	72922	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	59712	20.000	ng	-0.01
64) Phenanthrene-d10	17.372	188	166288	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	210299	20.000	ng	# 0.00
86) Perylene-d12	24.840	264	226996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	805	0.881	ng	0.00
7) Phenol-d6	7.178	99	1146	0.915	ng	0.00
23) Nitrobenzene-d5	9.152	82	920	0.687	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	2899	2.312	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	4175	0.986	ng	-0.01
79) Terphenyl-d14	19.975	244	15569	1.469	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	15.668	166	11386	2.530	ng	100
71) Phenanthrene	17.413	178	173398	20.939	ng	99
72) Anthracene	17.501	178	44259	5.446	ng	98
75) Fluoranthene	19.422	202	233580	20.692	ng	94
78) Pyrene	19.787	202	219934	18.226	ng	99
81) Benzo(a)anthracene	21.614	228	129866	9.728	ng	96
83) Chrysene	21.679	228	110864	8.790	ng	98
87) Indeno(1,2,3-cd)pyrene	28.494	276	64306	3.724	ng	# 95
88) Benzo(b)fluoranthene	23.823	252	131601	9.803	ng	# 97
89) Benzo(k)fluoranthene	23.882	252	41534m	3.109	ng	
90) Benzo(a)pyrene	24.687	252	103867m	9.060	ng	
92) Benzo(g,h,i)perylene	29.640	276	63237	4.512	ng	# 95

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

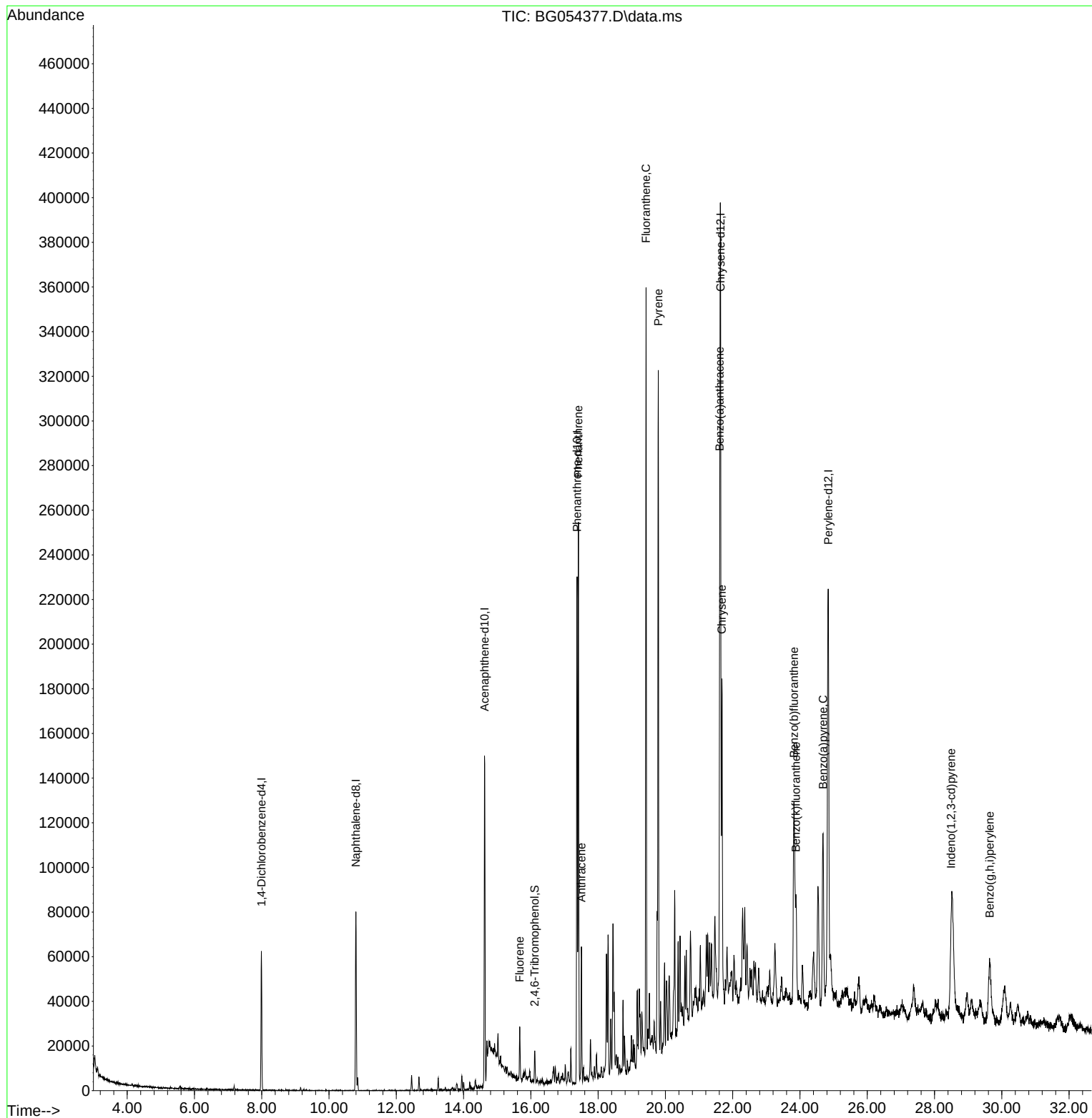
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054377.D
Acq On : 25 Jul 2022 13:04
Operator : CG/JU
Sample : N3814-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

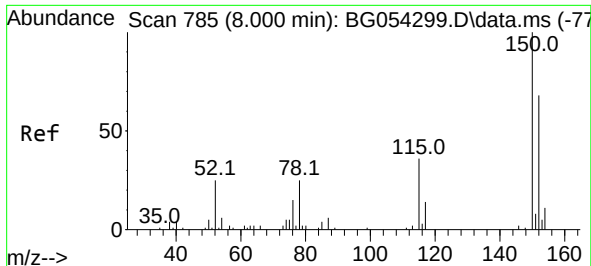
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

Quant Time: Jul 26 00:54:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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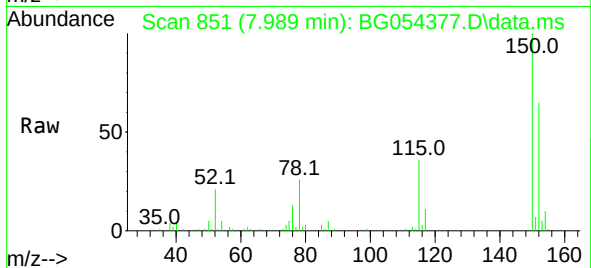
Reviewed By : Christian Giraldo 07/26/2022
Supervised By : Jagrut Upadhyay 07/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

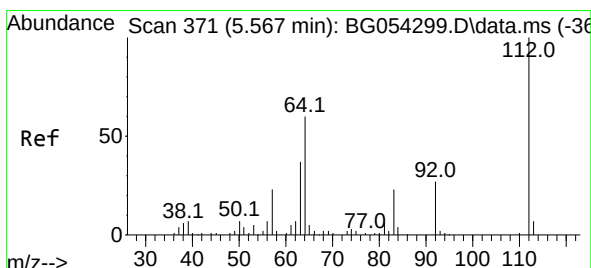
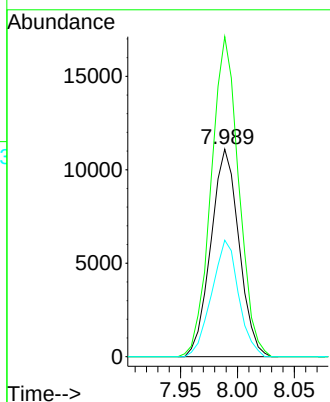
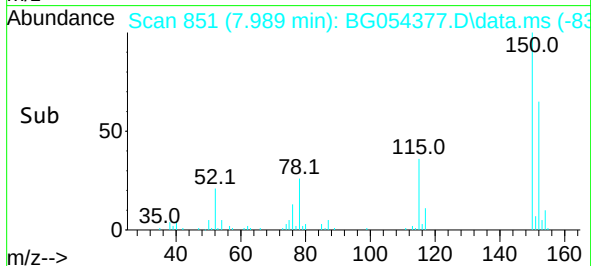
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL



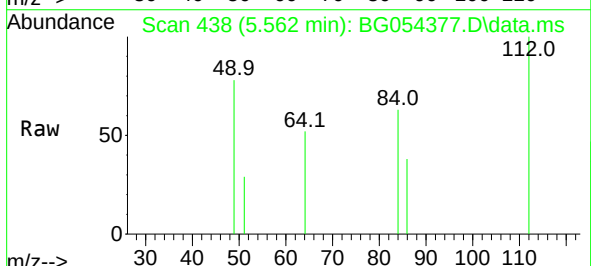
Tgt Ion:152 Resp: 1908
Ion Ratio Lower Upper
152 100
150 154.2 131.6 197.4
115 56.1 50.9 76.3

Manual Integrations
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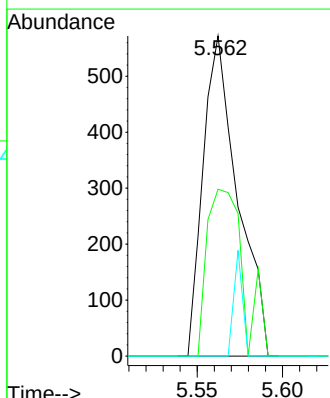
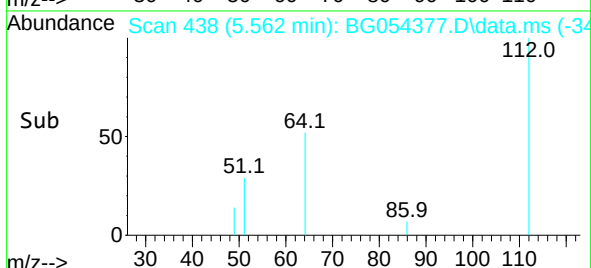
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

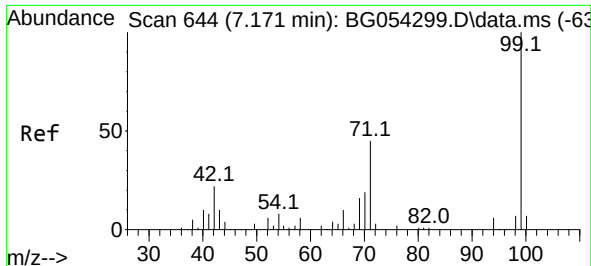


#5
2-Fluorophenol
Concen: 0.881 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04



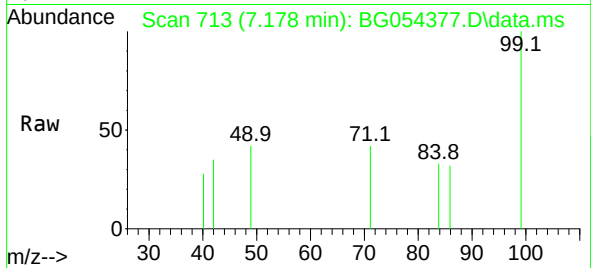
Tgt Ion:112 Resp: 805
Ion Ratio Lower Upper
112 100
64 52.1 55.1 82.7#
63 0.0 30.4 45.6#





#7
Phenol-d6
Concen: 0.915 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.007 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

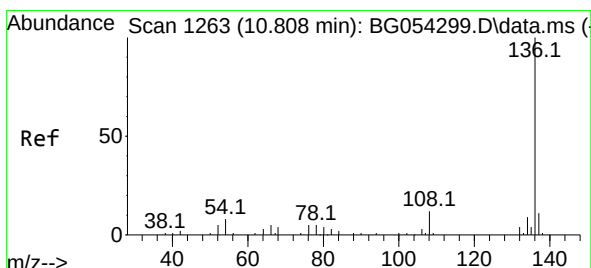
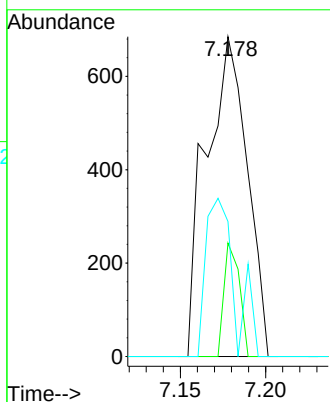
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL



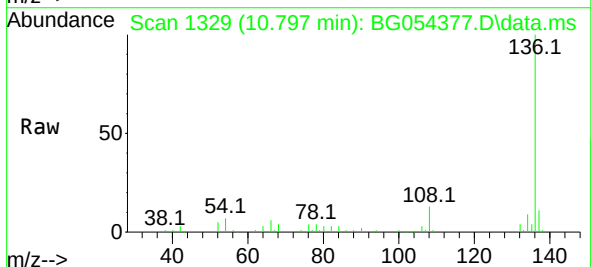
Tgt Ion: 99 Resp: 1140
Ion Ratio Lower Upper
99 100
42 35.5 17.0 25.6
71 42.2 33.8 50.8

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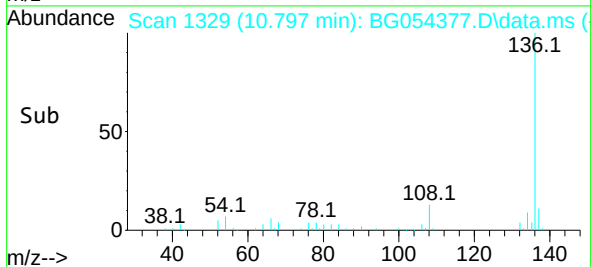
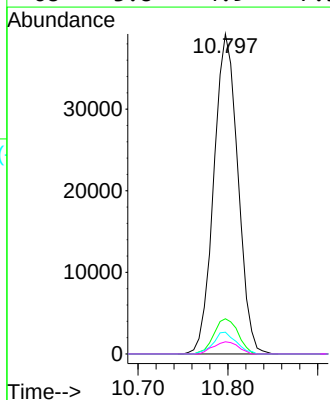
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

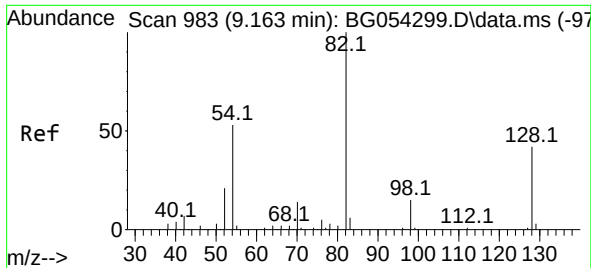


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04



Tgt Ion:136 Resp: 72922
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 6.8 7.4 11.2#
68 3.8 4.9 7.3#





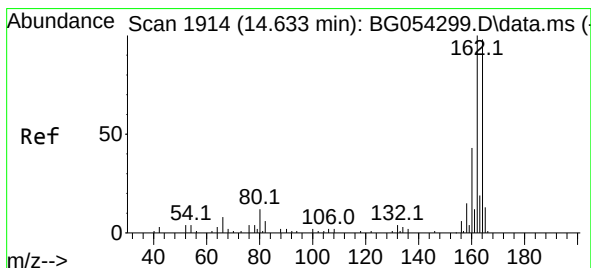
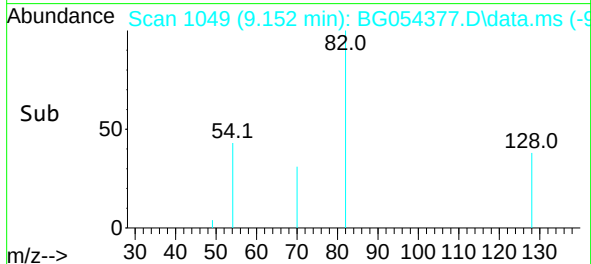
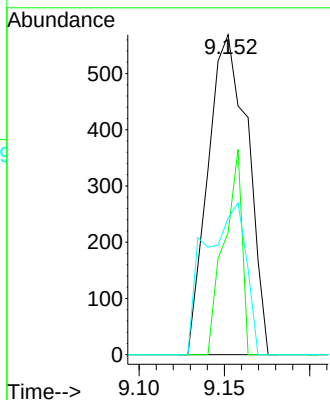
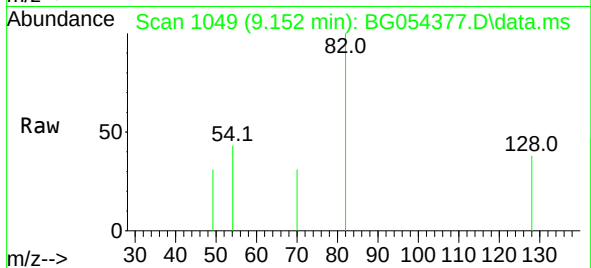
#23
Nitrobenzene-d5
Concen: 0.687 ng
RT: 9.152 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

Tgt Ion: 82 Resp: 920
Ion Ratio Lower Upper
82 100
128 38.1 27.9 41.9
54 42.7 41.2 61.8

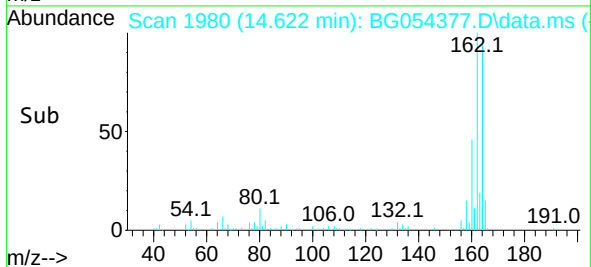
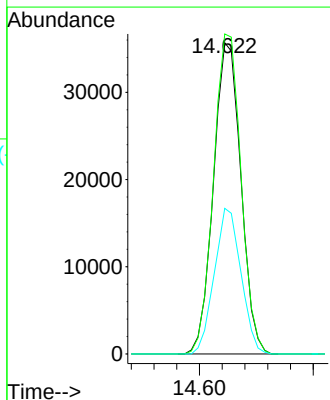
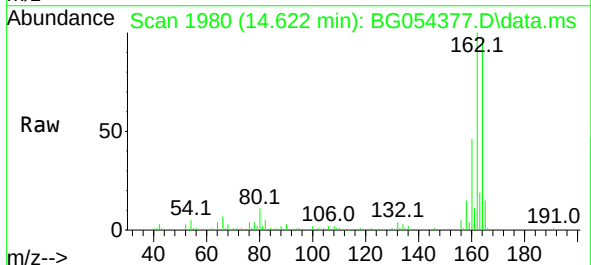
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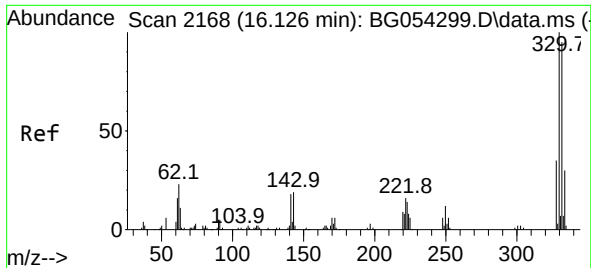
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

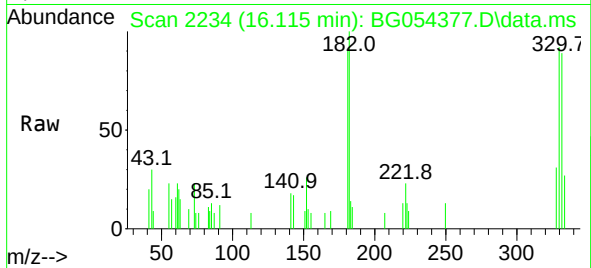
Tgt Ion:164 Resp: 59712
Ion Ratio Lower Upper
164 100
162 102.8 82.3 123.5
160 46.8 34.2 51.2





#42
 2,4,6-Tribromophenol
 Concen: 2.312 ng
 RT: 16.115 min Scan# 2168
 Delta R.T. -0.011 min
 Lab File: BG054377.D
 Acq: 25 Jul 2022 13:04

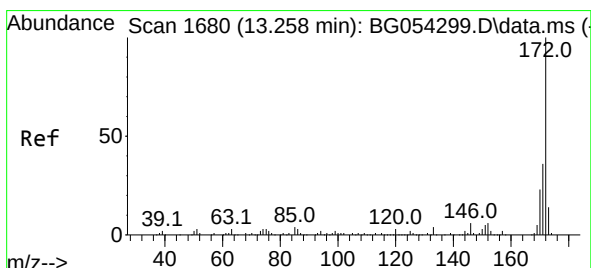
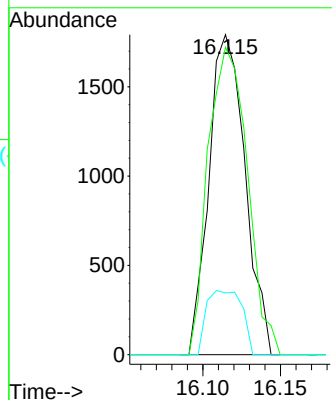
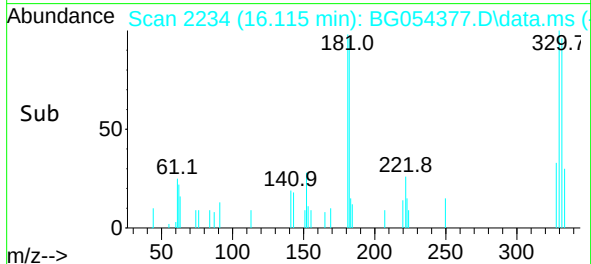
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(10-15)DL



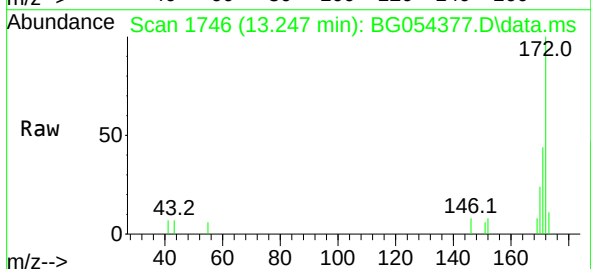
Tgt Ion: 330 Resp: 2899
 Ion Ratio Lower Upper
 330 100
 332 104.6 76.0 114.0
 141 19.7 27.1 40.7

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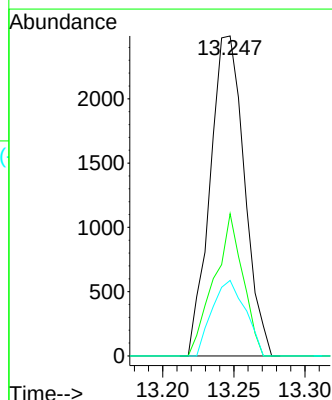
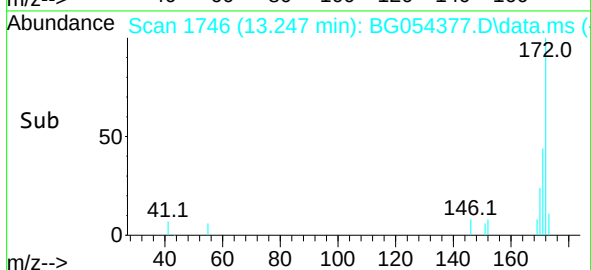
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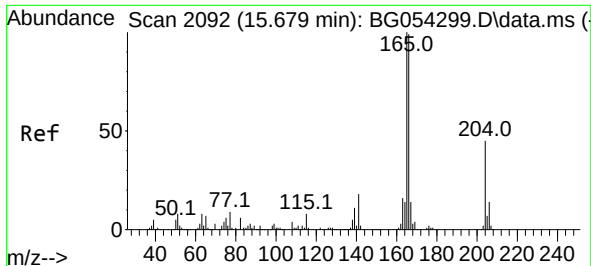


#45
 2-Fluorobiphenyl
 Concen: 0.986 ng
 RT: 13.247 min Scan# 1746
 Delta R.T. -0.011 min
 Lab File: BG054377.D
 Acq: 25 Jul 2022 13:04



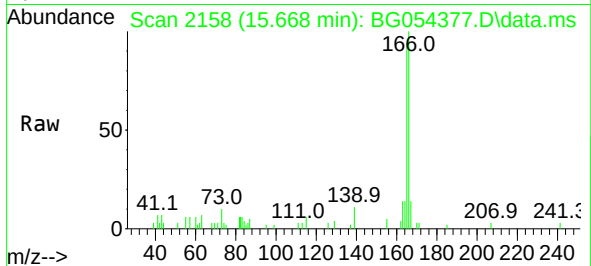
Tgt Ion: 172 Resp: 4175
 Ion Ratio Lower Upper
 172 100
 171 44.4 28.5 42.7#
 170 23.6 18.9 28.3





#58
Fluorene
Concen: 2.530 ng
RT: 15.668 min Scan# 2158
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

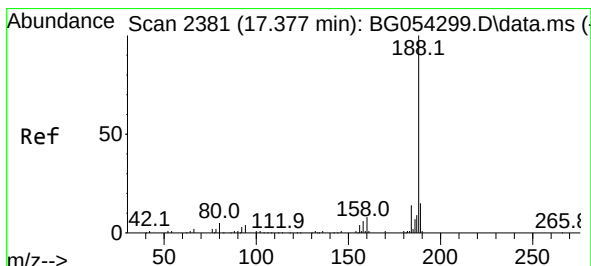
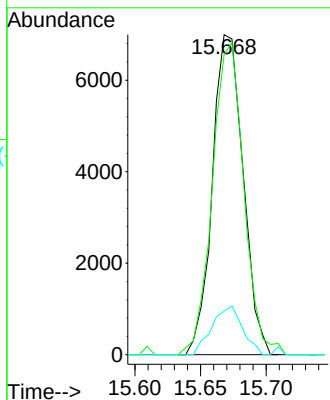
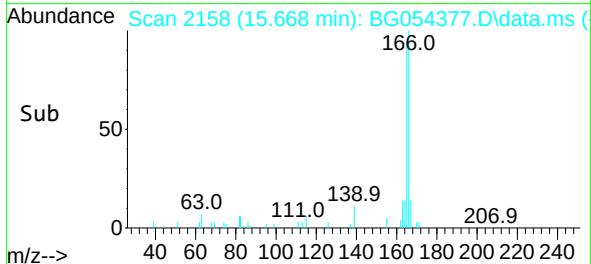
Instrument :
BNA_G
ClientSampleId :
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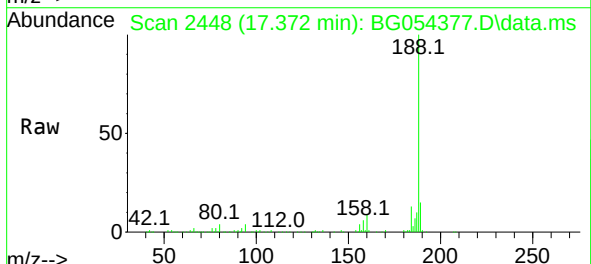
Tgt Ion:166 Resp: 11380
Ion Ratio Lower Upper
166 100
165 93.8 75.0 112.6
167 13.6 10.8 16.2

Manual Integrations
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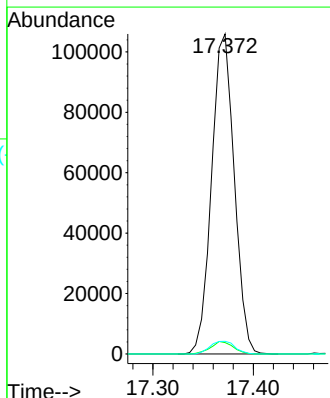
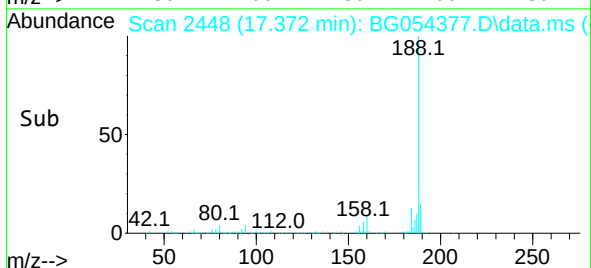
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

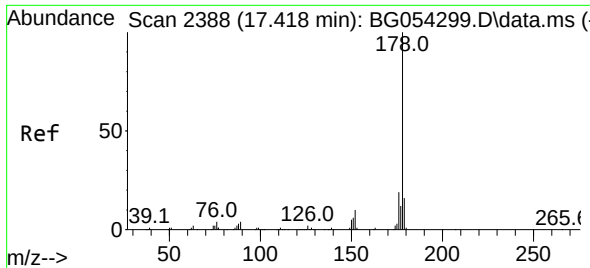


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04



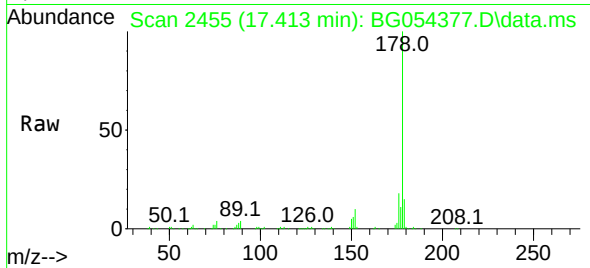
Tgt Ion:188 Resp: 166288
Ion Ratio Lower Upper
188 100
94 3.6 5.4 8.0#
80 4.0 6.8 10.2#





#71
Phenanthrene
Concen: 20.939 ng
RT: 17.413 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

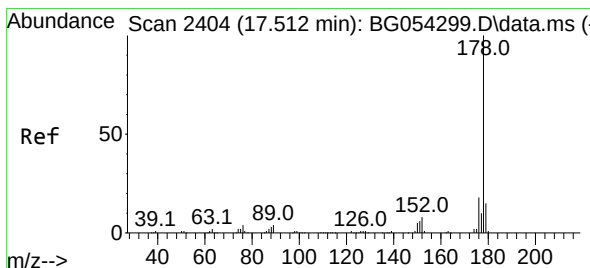
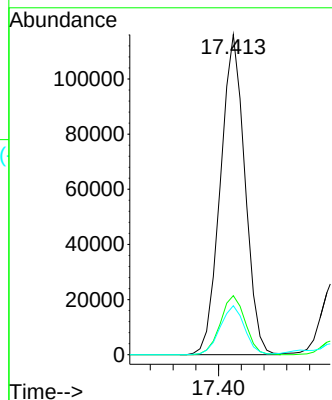
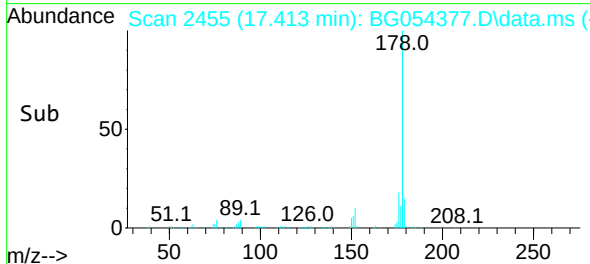
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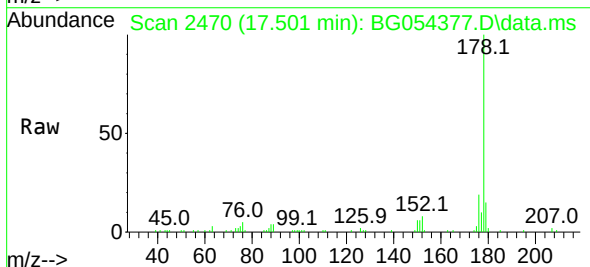
Tgt Ion:178 Resp: 173398
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 15.3 12.1 18.1

Manual Integrations
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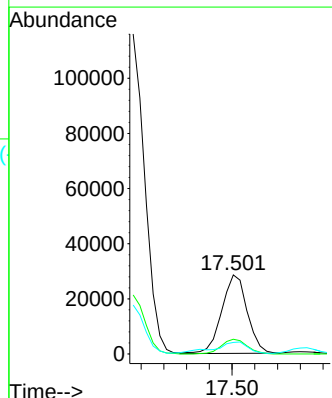
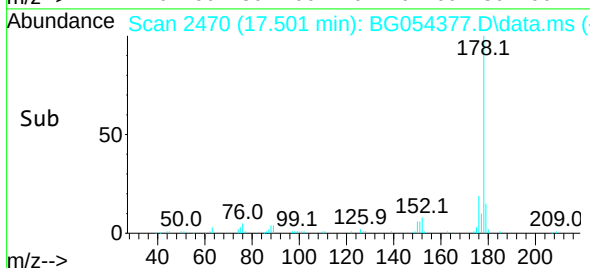
Reviewed By :Christian Giraldo 07/26/2022
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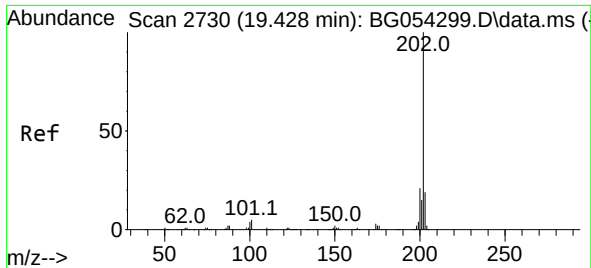


#72
Anthracene
Concen: 5.446 ng
RT: 17.501 min Scan# 2470
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04



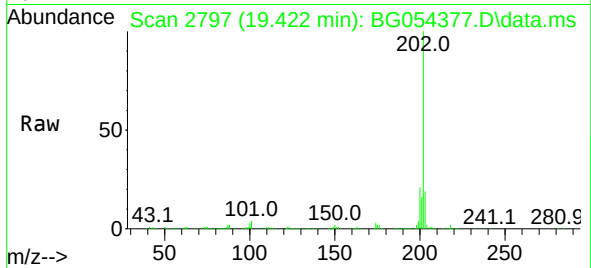
Tgt Ion:178 Resp: 44259
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 14.5 13.0 19.4





#75
Fluoranthene
Concen: 20.692 ng
RT: 19.422 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

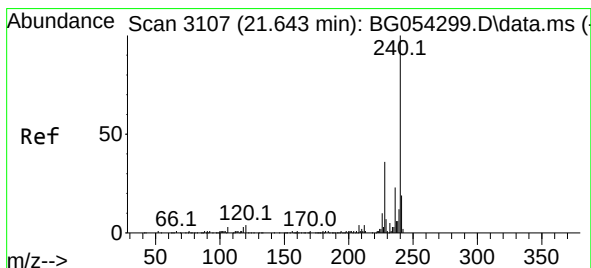
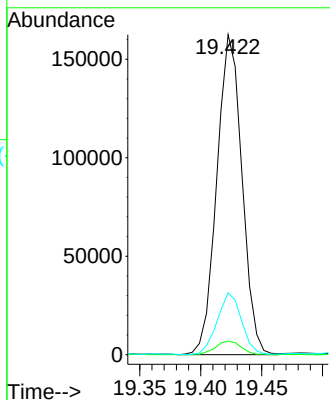
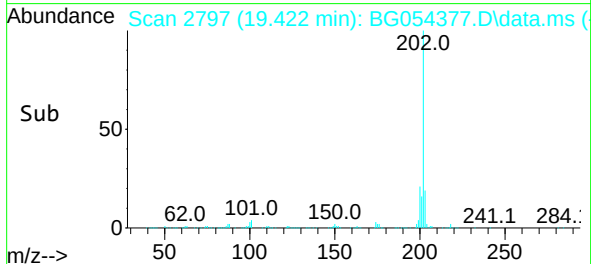
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL



Tgt Ion:202 Resp: 233580
Ion Ratio Lower Upper
202 100
101 4.2 0.0 26.9
203 19.3 0.0 37.2

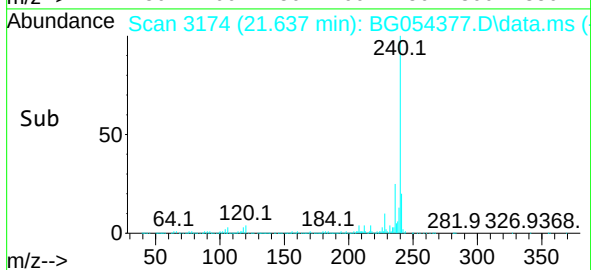
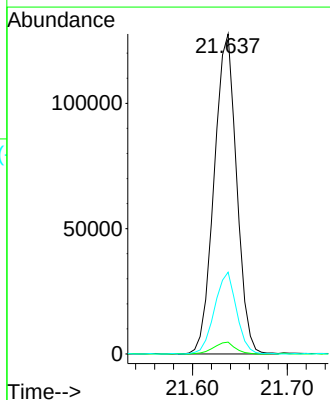
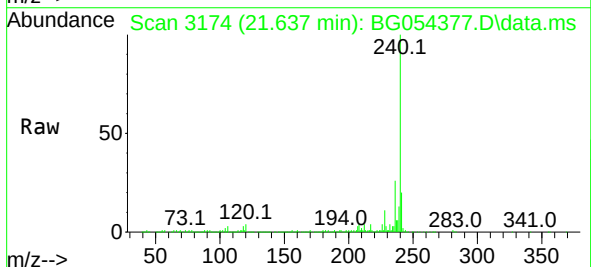
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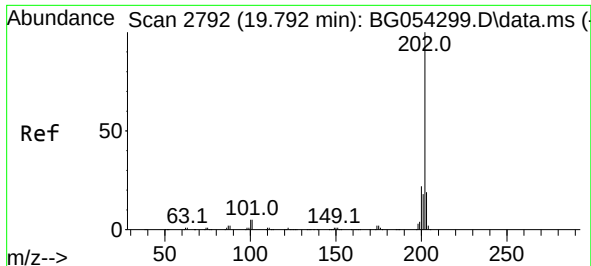
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

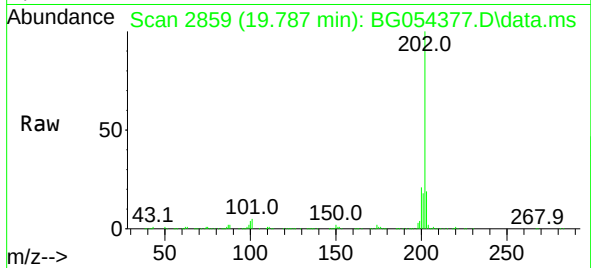
Tgt Ion:240 Resp: 210299
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 25.6 20.2 30.4





#78
Pyrene
Concen: 18.226 ng
RT: 19.787 min Scan# 219934
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

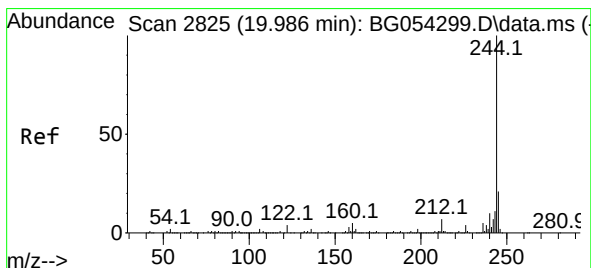
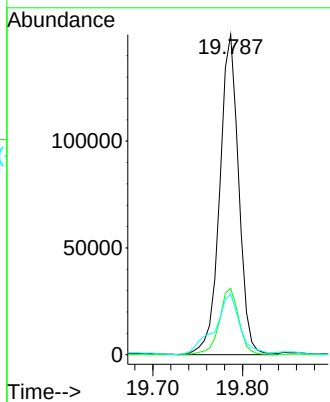
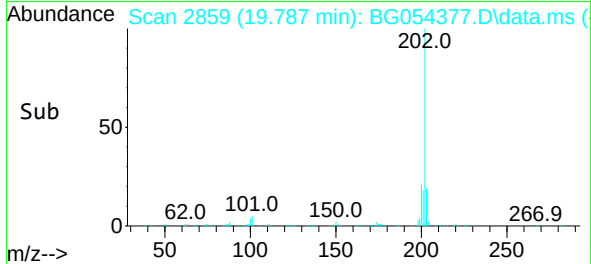
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL



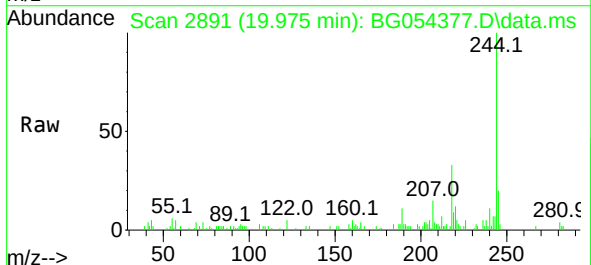
Tgt Ion:202 Resp: 219934
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 19.0 14.6 21.8

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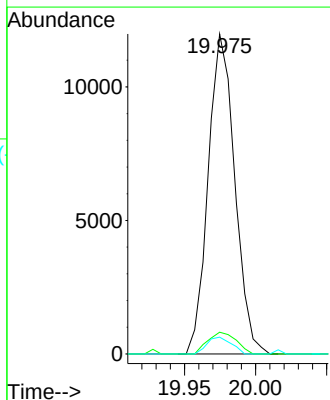
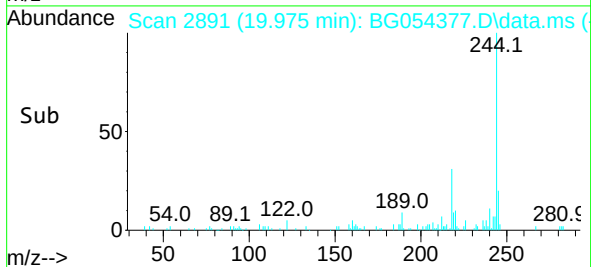
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

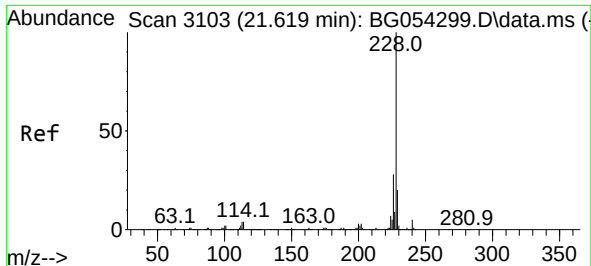


#79
Terphenyl-d14
Concen: 1.469 ng
RT: 19.975 min Scan# 2891
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04



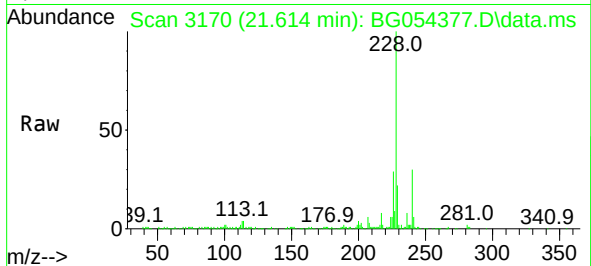
Tgt Ion:244 Resp: 15569
Ion Ratio Lower Upper
244 100
212 6.8 6.5 9.7
122 5.2 5.0 7.4





#81
Benzo(a)anthracene
Concen: 9.728 ng
RT: 21.614 min Scan# 3103
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

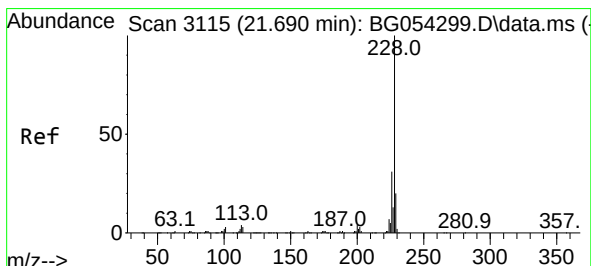
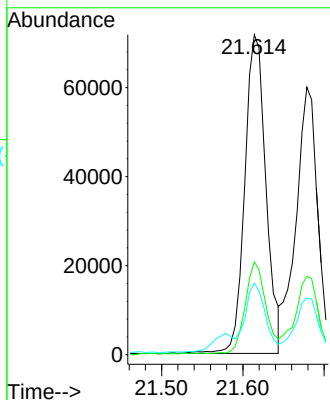
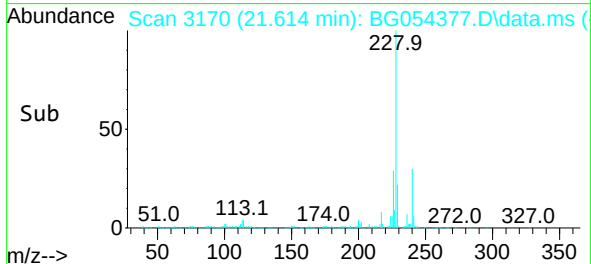
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL



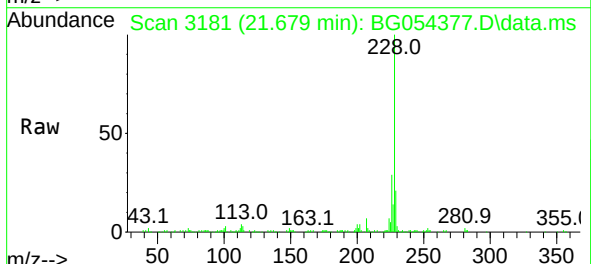
Tgt Ion:228 Resp: 129860
Ion Ratio Lower Upper
228 100
226 29.0 21.6 32.4
229 22.3 16.2 24.2

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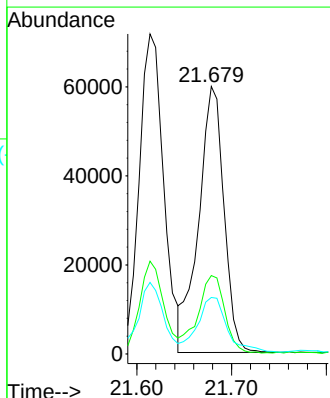
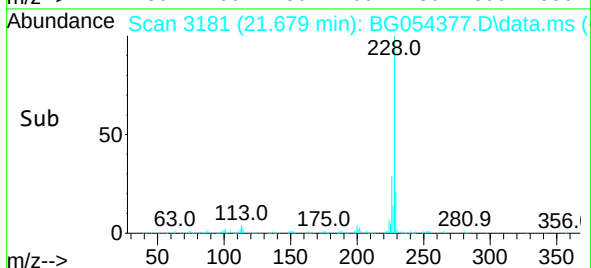
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

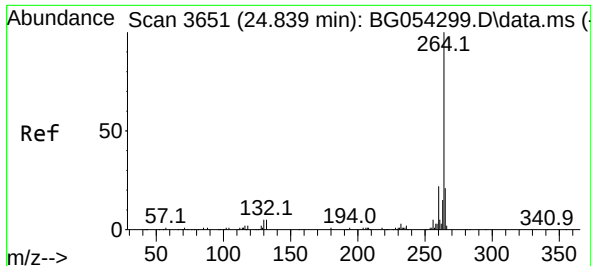


#83
Chrysene
Concen: 8.790 ng
RT: 21.679 min Scan# 3181
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04



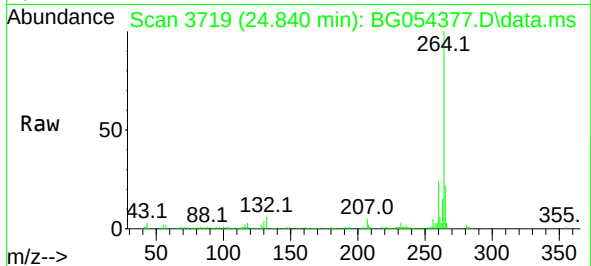
Tgt Ion:228 Resp: 110864
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.2
229 21.1 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.840 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: BG054377.D
 Acq: 25 Jul 2022 13:04

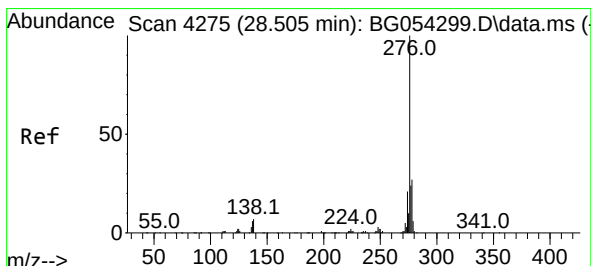
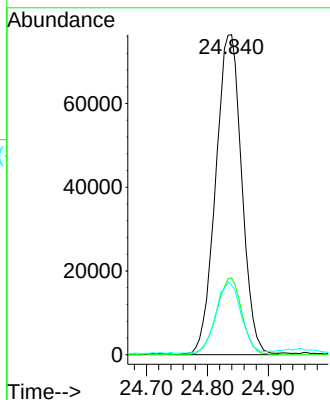
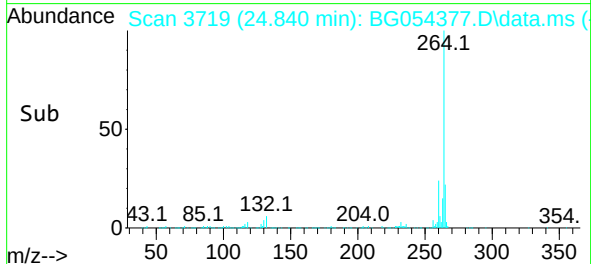
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(10-15)DL



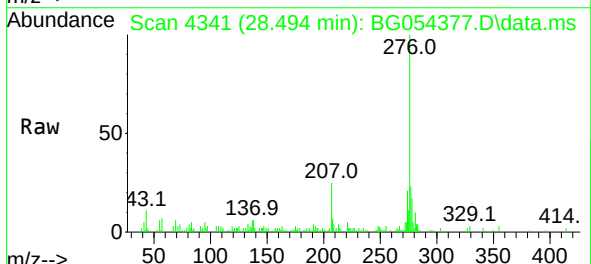
Tgt Ion:264 Resp: 226990
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.6
 265 21.8 17.4 26.2

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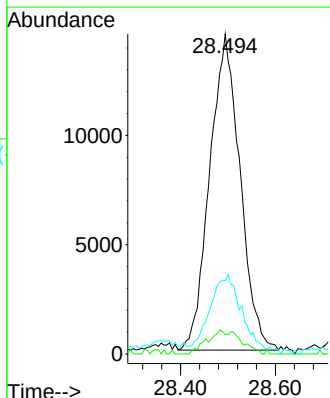
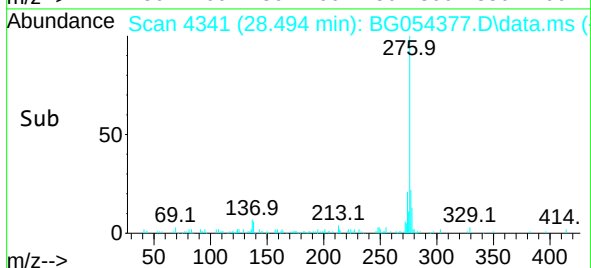
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

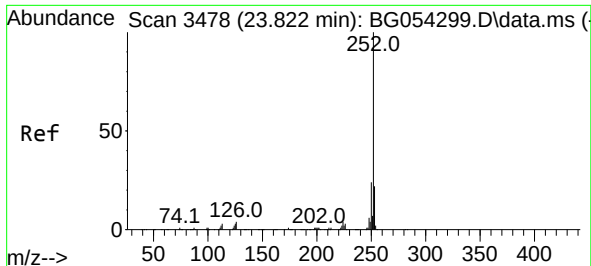


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.724 ng
 RT: 28.494 min Scan# 4341
 Delta R.T. -0.011 min
 Lab File: BG054377.D
 Acq: 25 Jul 2022 13:04



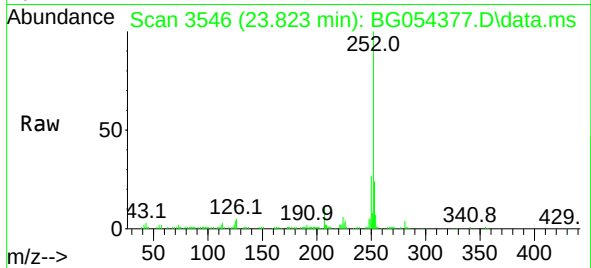
Tgt Ion:276 Resp: 64306
 Ion Ratio Lower Upper
 276 100
 138 4.5 5.0 7.4#
 277 22.9 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 9.803 ng
RT: 23.823 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

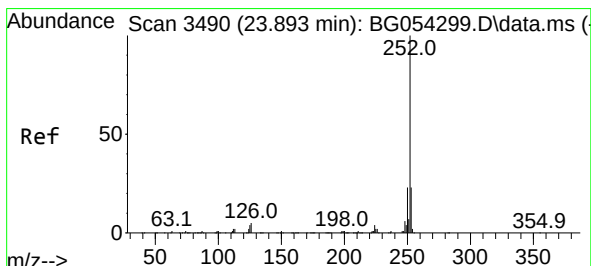
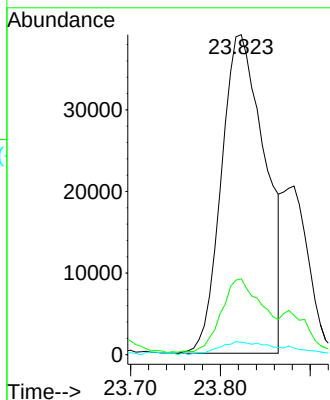
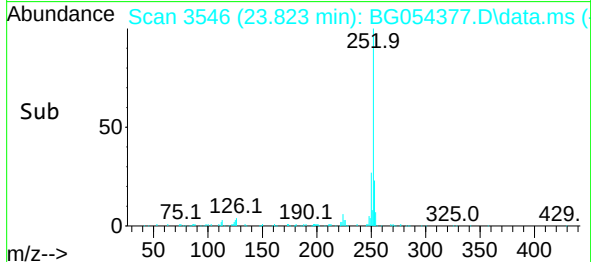
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL



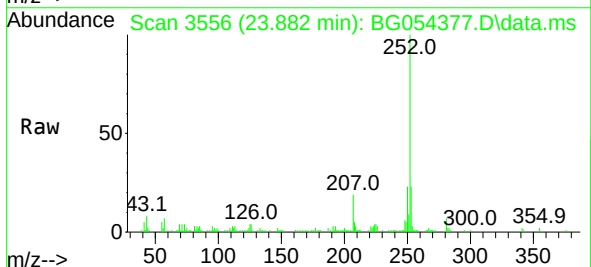
Tgt Ion:252 Resp: 13160
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 3.8 4.6 6.8

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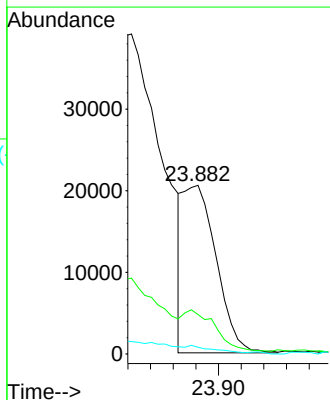
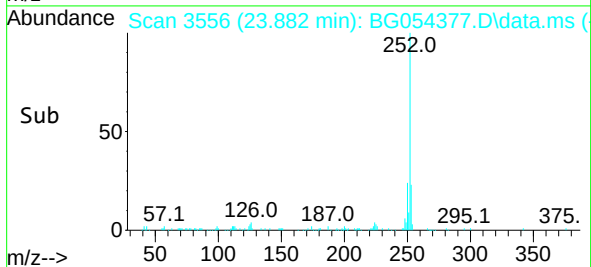
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

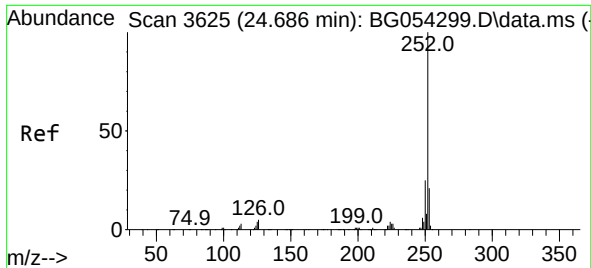


#89
Benzo(k)fluoranthene
Concen: 3.109 ng m
RT: 23.882 min Scan# 3556
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04



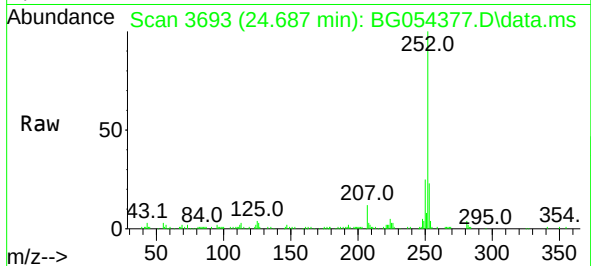
Tgt Ion:252 Resp: 41534
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 4.0 4.8 7.2





#90
Benzo(a)pyrene
Concen: 9.060 ng m
RT: 24.687 min Scan# 30
Delta R.T. 0.001 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

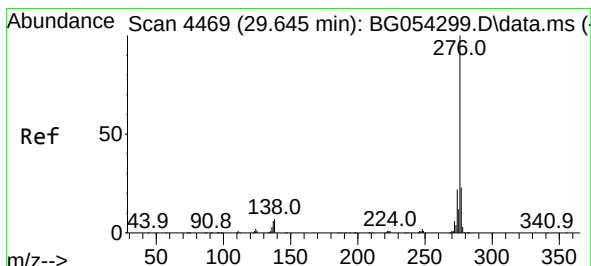
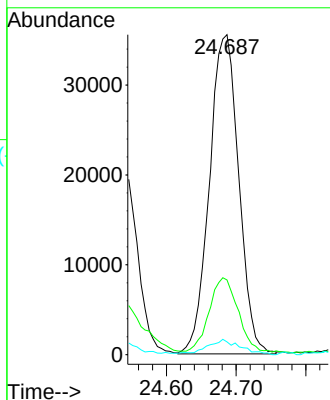
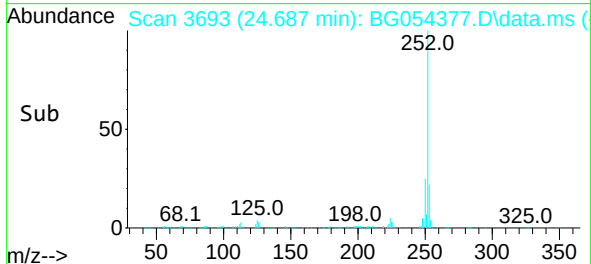
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL



Tgt Ion:252 Resp: 10386
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 4.0 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#92
Benzo(g,h,i)perylene
Concen: 4.512 ng
RT: 29.640 min Scan# 4536
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Tgt Ion:276 Resp: 63237
Ion Ratio Lower Upper
276 100
277 22.5 17.3 25.9
138 7.3 9.6 14.4#

