

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055482.D
 Acq On : 5 Nov 2022 23:11
 Operator : CG/JU
 Sample : N5459-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-110322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 07 01:01:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:51:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	41602	20.000	ng	0.00
21) Naphthalene-d8	11.062	136	170664	20.000	ng	0.00
39) Acenaphthene-d10	14.851	164	107642	20.000	ng	0.00
64) Phenanthrene-d10	17.583	188	216900	20.000	ng	0.00
76) Chrysene-d12	21.861	240	207009	20.000	ng	0.00
86) Perylene-d12	25.245	264	204925	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	125379	54.123	ng	0.01
7) Phenol-d6	7.383	99	160006	49.807	ng	0.00
23) Nitrobenzene-d5	9.405	82	96757	30.215	ng	0.00
42) 2,4,6-Tribromophenol	16.332	330	71661	48.807	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	245572	33.825	ng	0.00
79) Terphenyl-d14	20.157	244	344858	32.394	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.891	166	18042	2.157	ng	95
71) Phenanthrene	17.624	178	184819	15.149	ng	99
72) Anthracene	17.718	178	44515	3.722	ng	97
73) Carbazole	17.983	167	22428	2.016	ng	98
75) Fluoranthene	19.616	202	261306	17.806	ng	99
78) Pyrene	19.980	202	225509	15.442	ng	99
81) Benzo(a)anthracene	21.837	228	112472	7.915	ng	96
83) Chrysene	21.902	228	113487m	8.371	ng	
87) Indeno(1,2,3-cd)pyrene	29.134	276	45475	2.764	ng	# 93
88) Benzo(b)fluoranthene	24.164	252	127944	9.829	ng	# 75
89) Benzo(k)fluoranthene	24.223	252	62317m	4.764	ng	
90) Benzo(a)pyrene	25.080	252	91877	8.163	ng	# 87
92) Benzo(g,h,i)perylene	30.368	276	42122	3.120	ng	# 81

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

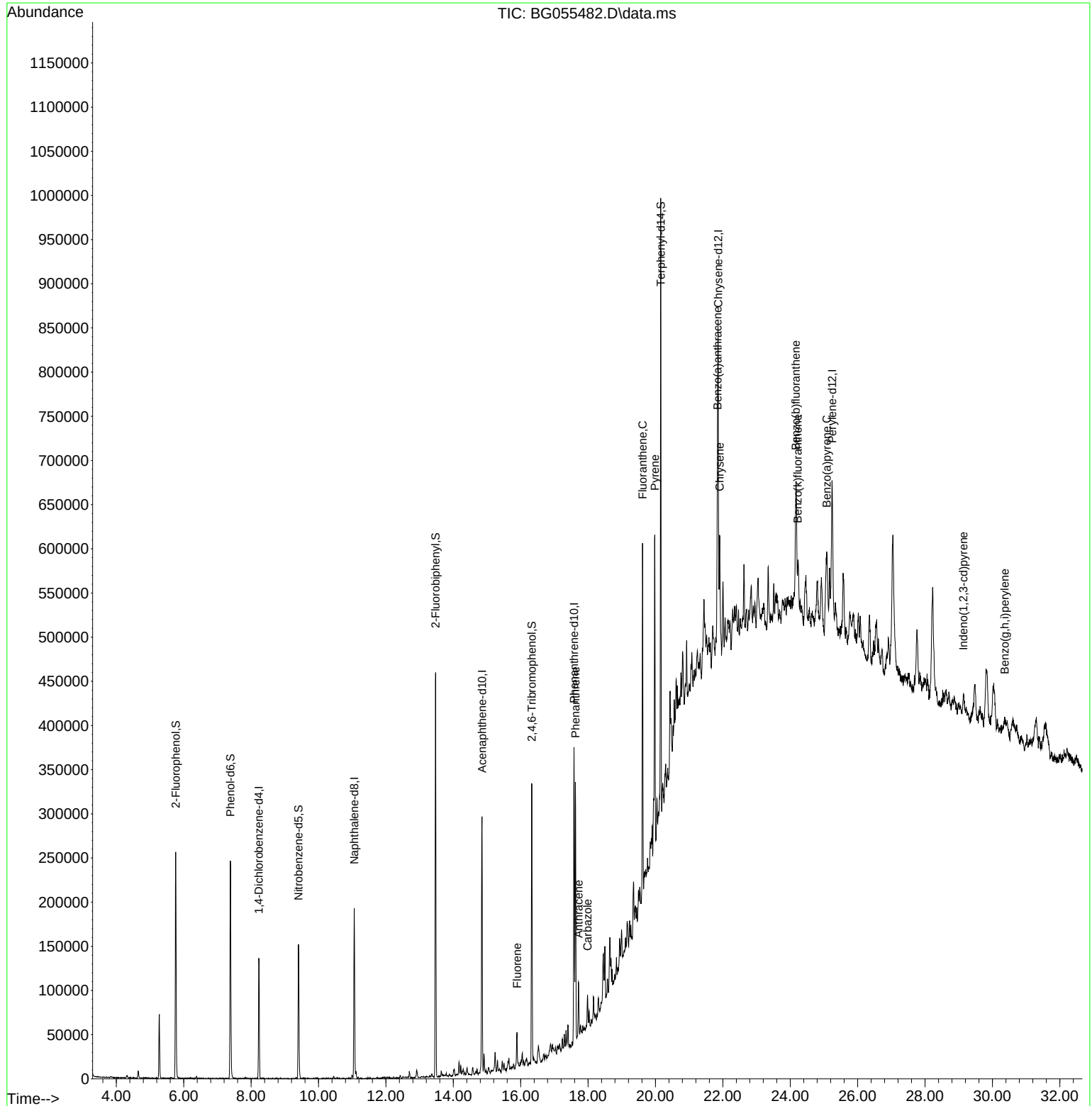
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

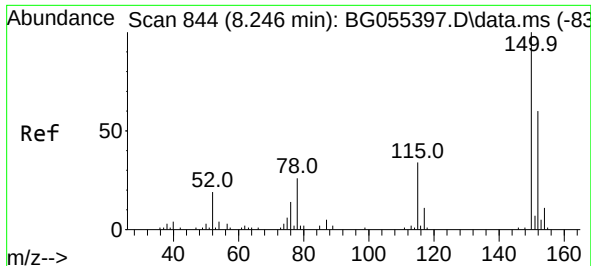
Instrument :
BNA_G
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EO-03-110322

Quant Time: Nov 07 01:01:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
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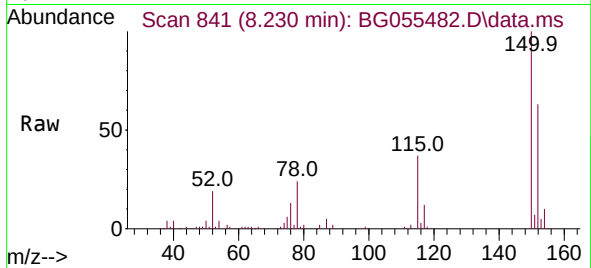
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 844
Delta R.T. -0.000 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

Instrument :

BNA_G

ClientSampleId :

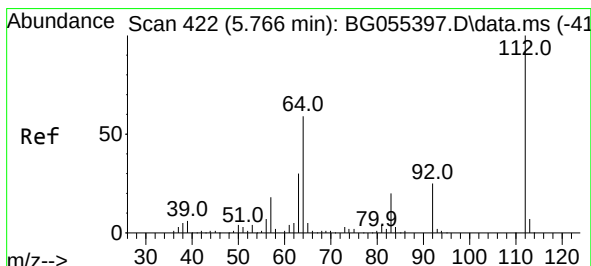
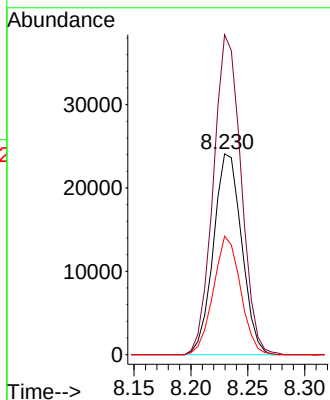
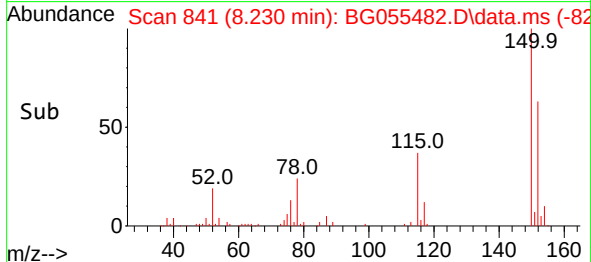
EO-03-110322



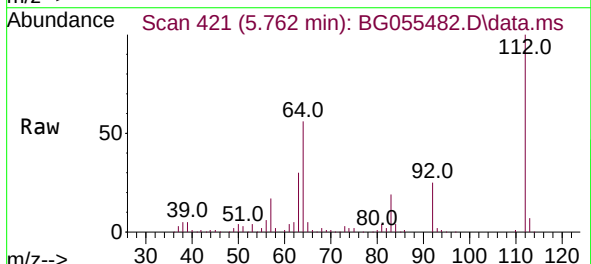
Tgt Ion:152 Resp: 41602
Ion Ratio Lower Upper
152 100
150 159.4 132.8 199.2
115 59.0 45.1 67.7

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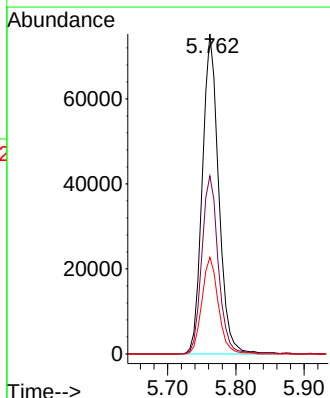
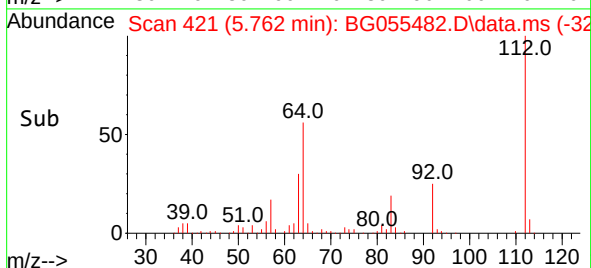
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

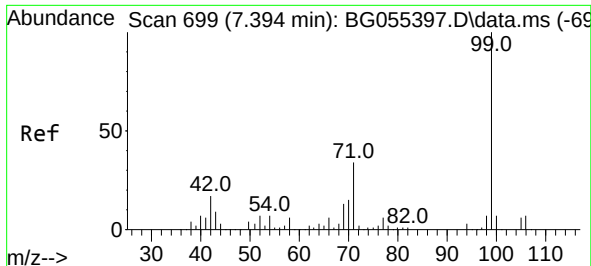


#5
2-Fluorophenol
Concen: 54.123 ng
RT: 5.762 min Scan# 421
Delta R.T. 0.011 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11



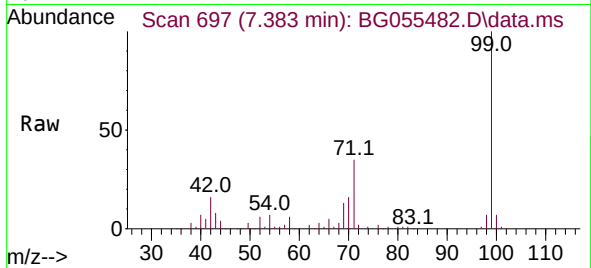
Tgt Ion:112 Resp: 125379
Ion Ratio Lower Upper
112 100
64 55.6 47.2 70.8
63 30.2 24.3 36.5





#7
Phenol-d6
Concen: 49.807 ng
RT: 7.383 min Scan# 699
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

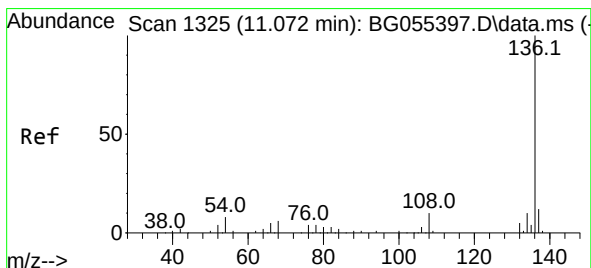
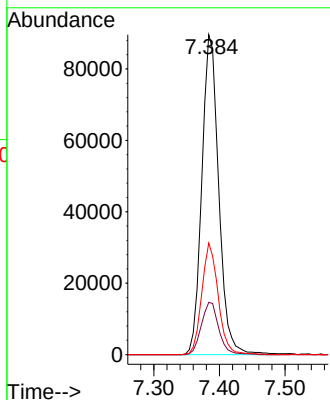
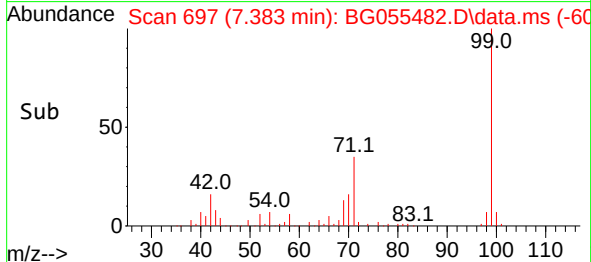
Instrument :
BNA_G
ClientSampleId :
EO-03-110322



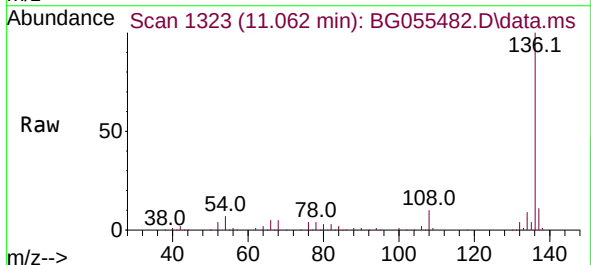
Tgt Ion: 99 Resp: 160006
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 34.9 27.4 41.0

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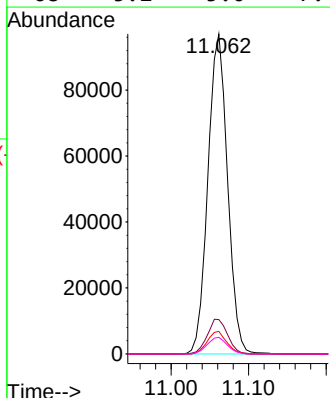
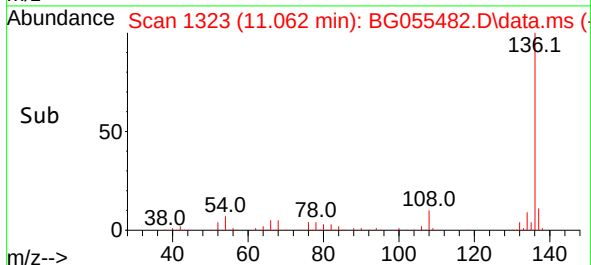
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

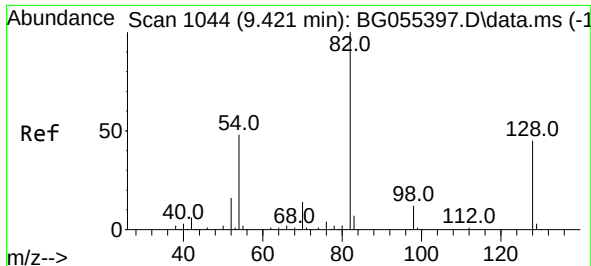


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.062 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11



Tgt Ion:136 Resp: 170664
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.2
54 7.0 6.1 9.1
68 5.2 5.0 7.4





#23
Nitrobenzene-d5
Concen: 30.215 ng
RT: 9.405 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

Instrument :

BNA_G

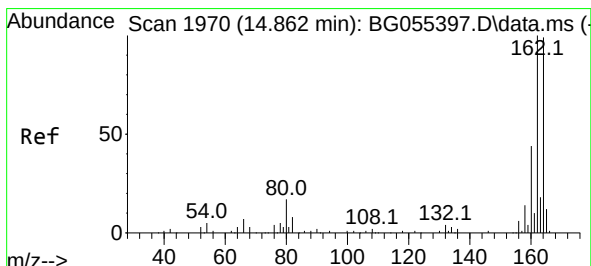
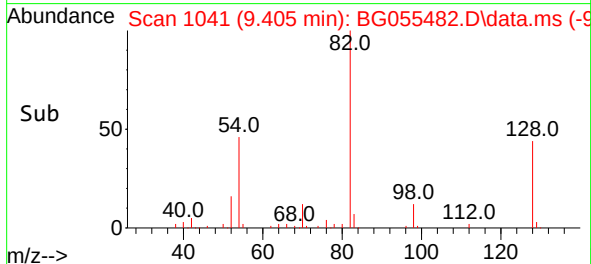
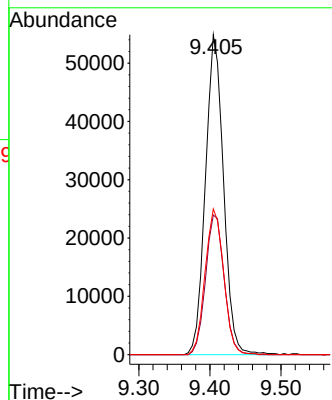
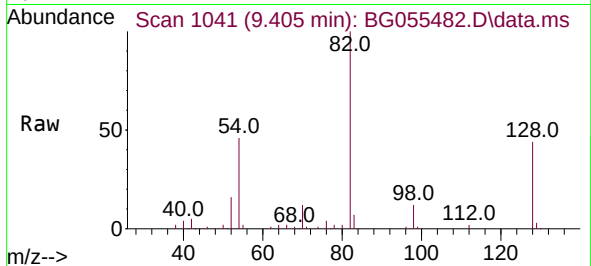
ClientSampleId :

EO-03-110322

Tgt Ion: 82 Resp: 9675
Ion Ratio Lower Upper
82 100
128 43.6 35.8 53.8
54 45.5 38.1 57.1

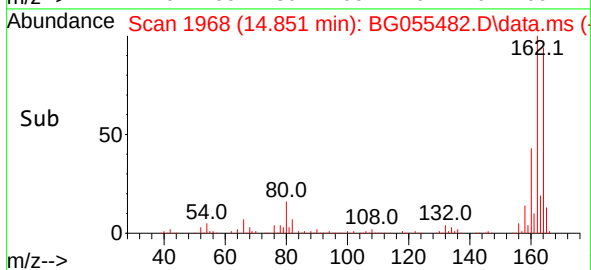
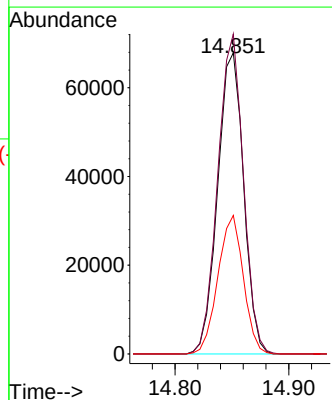
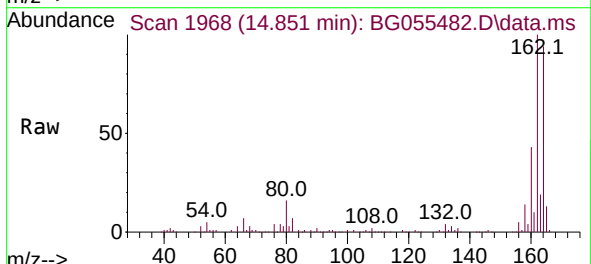
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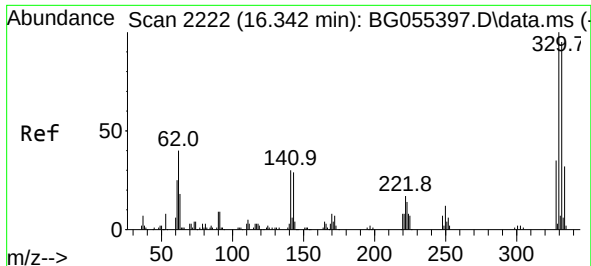
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

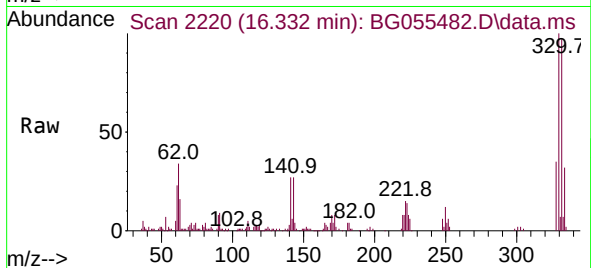
Tgt Ion:164 Resp: 107642
Ion Ratio Lower Upper
164 100
162 106.3 81.1 121.7
160 46.0 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 48.807 ng
RT: 16.332 min Scan# 211
Delta R.T. -0.000 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

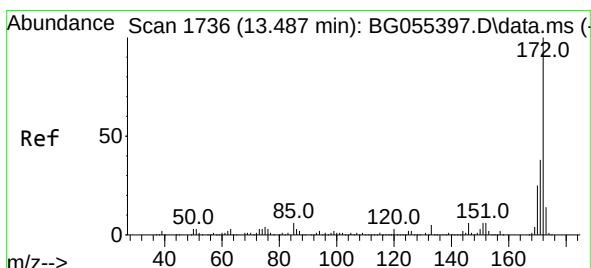
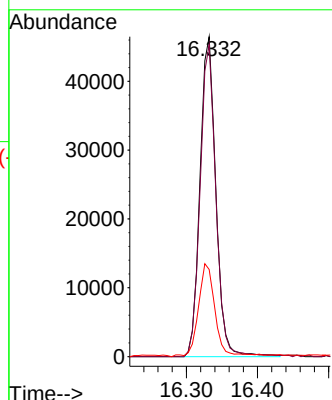
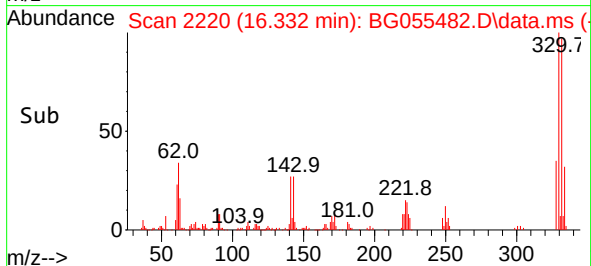
Instrument :
BNA_G
ClientSampleId :
EO-03-110322



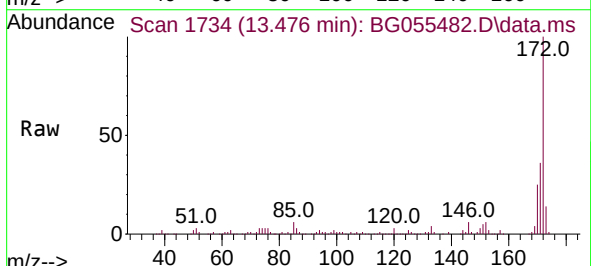
Tgt Ion:330 Resp: 71663
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.6
141 30.9 24.2 36.2

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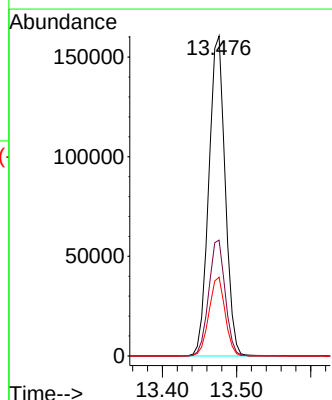
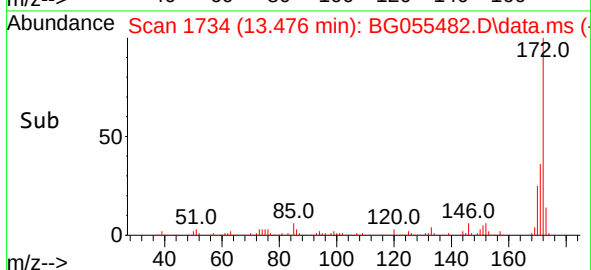
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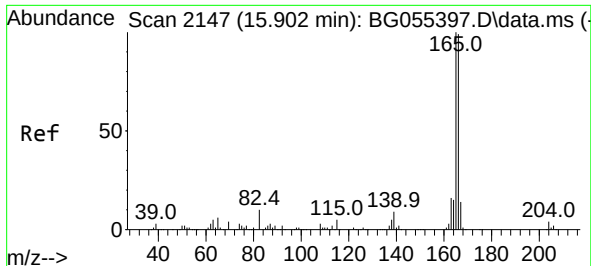


#45
2-Fluorobiphenyl
Concen: 33.825 ng
RT: 13.476 min Scan# 1734
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11



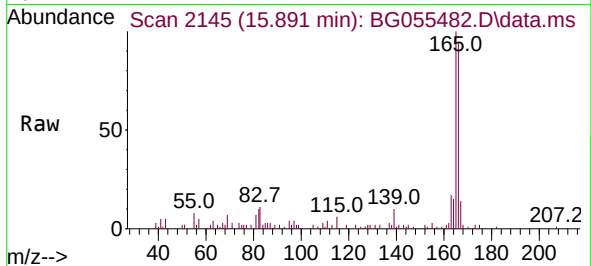
Tgt Ion:172 Resp: 245572
Ion Ratio Lower Upper
172 100
171 36.2 30.2 45.2
170 24.6 20.2 30.2





#58
Fluorene
Concen: 2.157 ng
RT: 15.891 min Scan# 2145
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

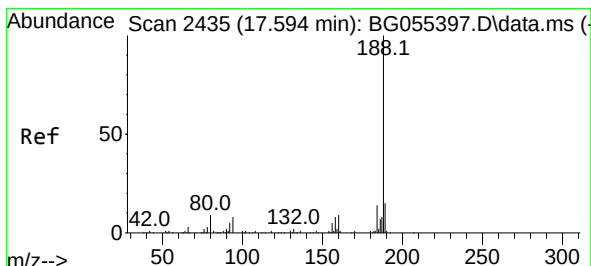
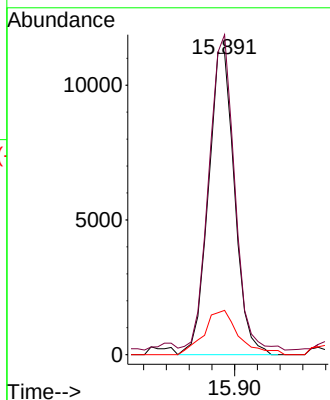
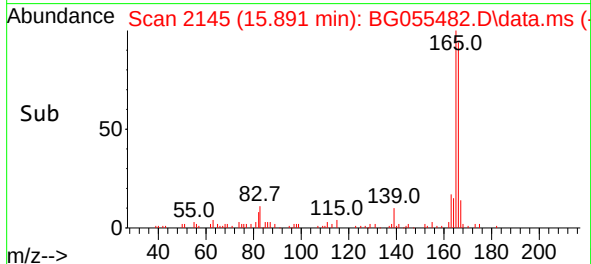
Instrument :
BNA_G
ClientSampleId :
EO-03-110322



Tgt Ion:166 Resp: 18042
Ion Ratio Lower Upper
166 100
165 106.2 81.0 121.6
167 14.7 11.0 16.6

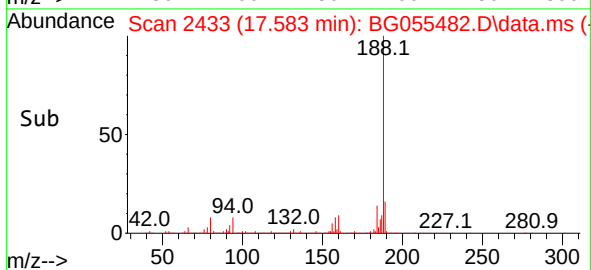
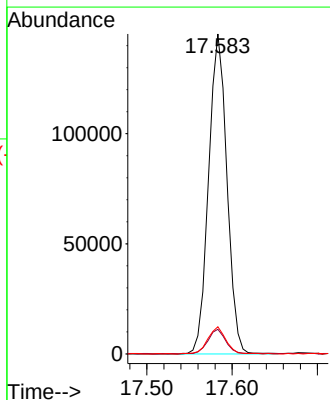
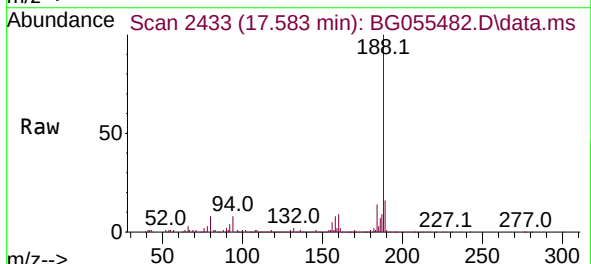
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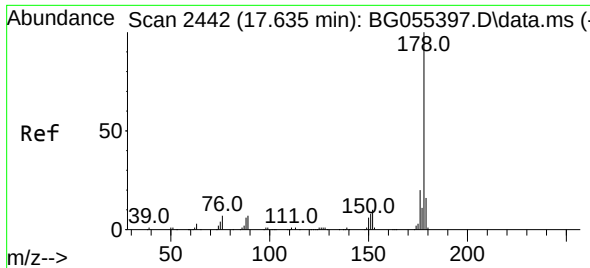
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.583 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

Tgt Ion:188 Resp: 216900
Ion Ratio Lower Upper
188 100
94 7.7 6.5 9.7
80 8.5 7.4 11.0





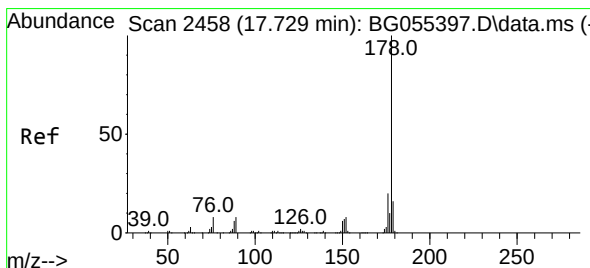
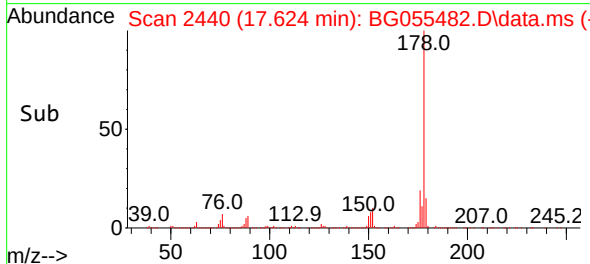
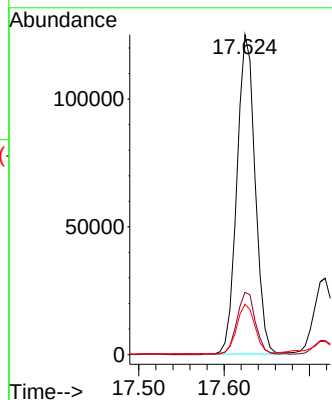
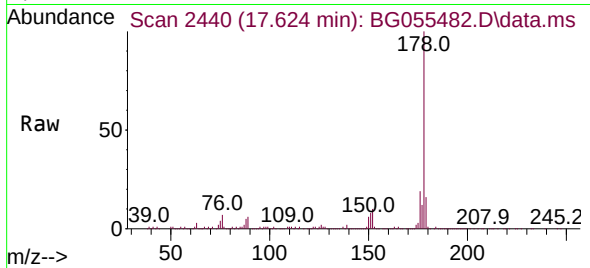
#71
Phenanthrene
Concen: 15.149 ng
RT: 17.624 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

Instrument :
BNA_G
ClientSampleId :
EO-03-110322

Tgt Ion:178 Resp: 184819
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.7 12.7 19.1

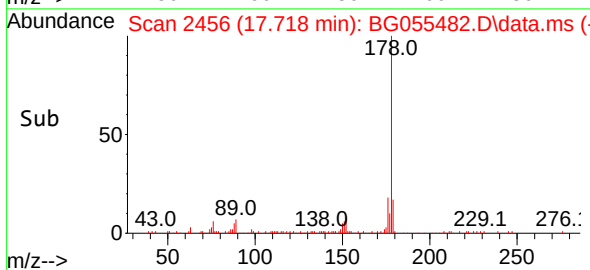
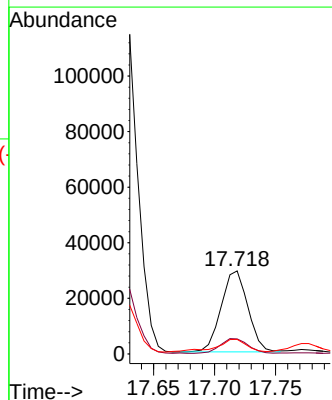
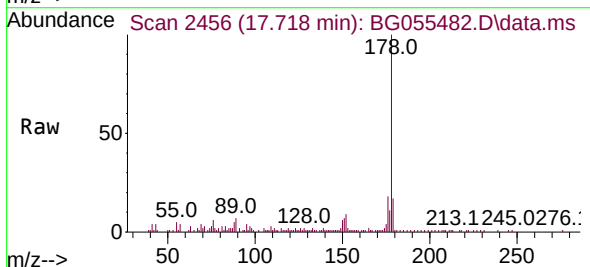
Manual Integrations
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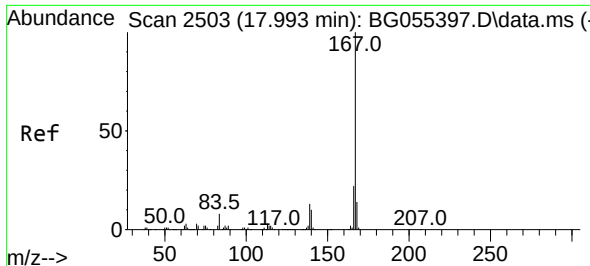
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#72
Anthracene
Concen: 3.722 ng
RT: 17.718 min Scan# 2456
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

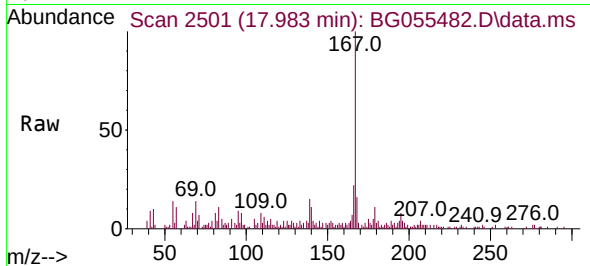
Tgt Ion:178 Resp: 44515
Ion Ratio Lower Upper
178 100
176 18.1 15.7 23.5
179 17.4 13.0 19.6





#73
 Carbazole
 Concen: 2.016 ng
 RT: 17.983 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG055482.D
 Acq: 5 Nov 2022 23:11

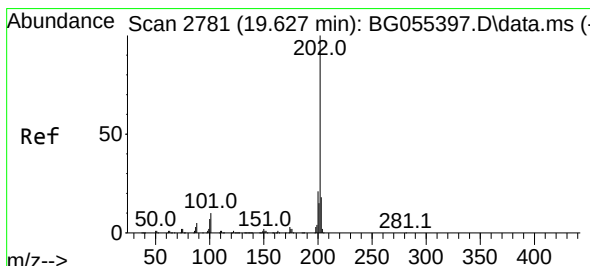
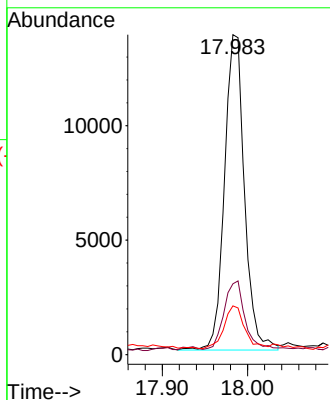
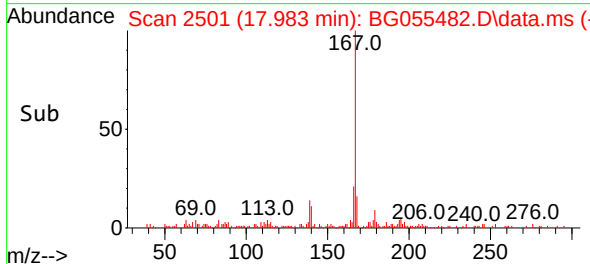
Instrument :
 BNA_G
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 EO-03-110322



Tgt Ion:167 Resp: 22428
 Ion Ratio Lower Upper
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 166 22.1 17.9 26.9
 139 15.2 10.4 15.6

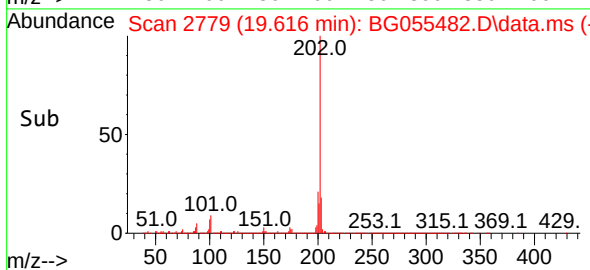
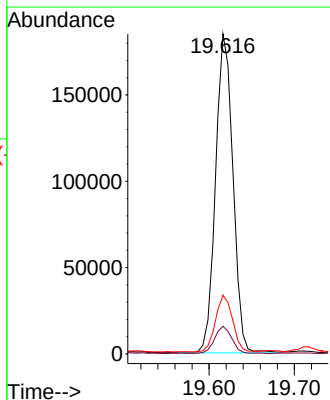
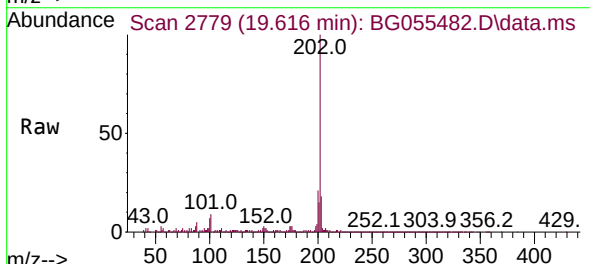
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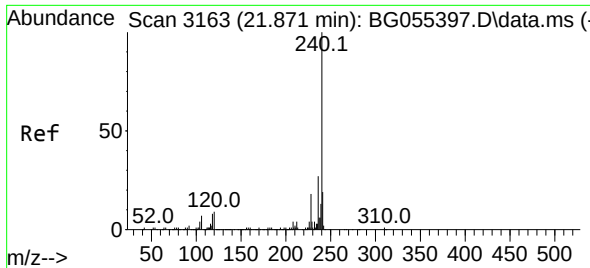
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022



#75
 Fluoranthene
 Concen: 17.806 ng
 RT: 19.616 min Scan# 2779
 Delta R.T. -0.000 min
 Lab File: BG055482.D
 Acq: 5 Nov 2022 23:11

Tgt Ion:202 Resp: 261306
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 29.8
 203 18.3 0.0 38.1





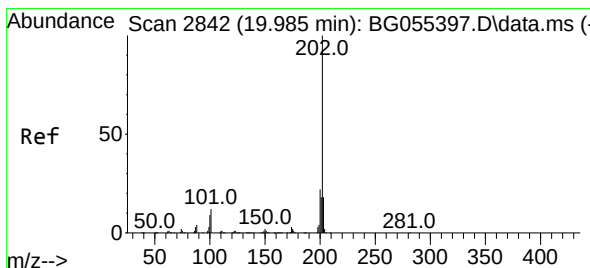
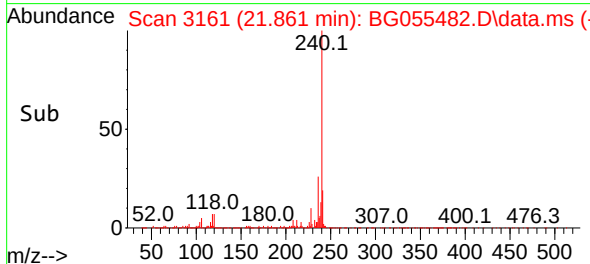
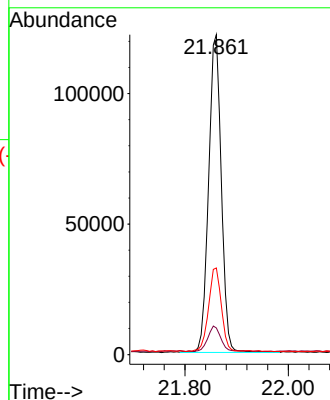
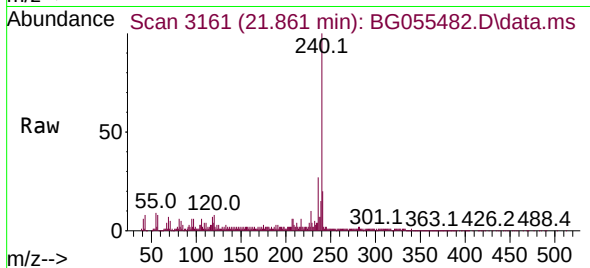
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

Instrument :
BNA_G
ClientSampleId :
EO-03-110322

Tgt Ion:240 Resp: 207009
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 27.1 21.5 32.3

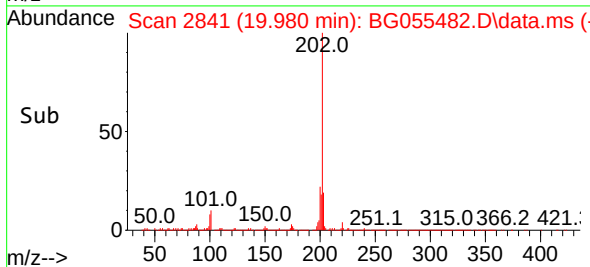
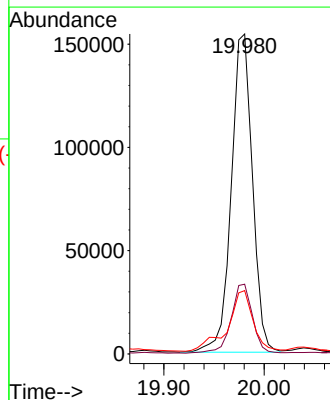
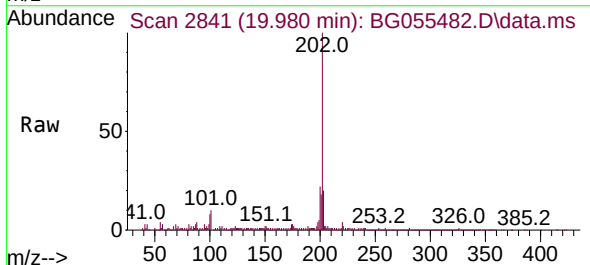
Manual Integrations
APPROVED

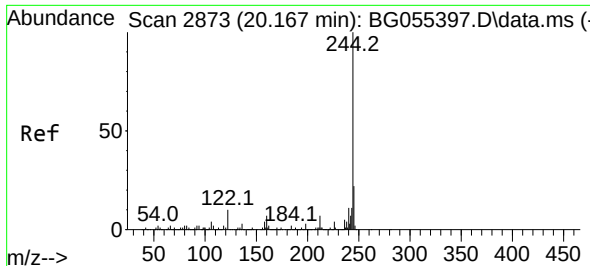
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#78
Pyrene
Concen: 15.442 ng
RT: 19.980 min Scan# 2841
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

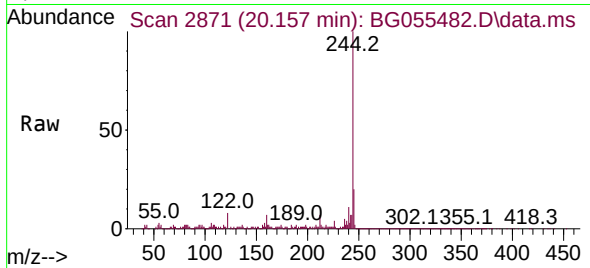
Tgt Ion:202 Resp: 225509
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 19.8 14.7 22.1





#79
Terphenyl-d14
Concen: 32.394 ng
RT: 20.157 min Scan# 2873
Delta R.T. -0.000 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

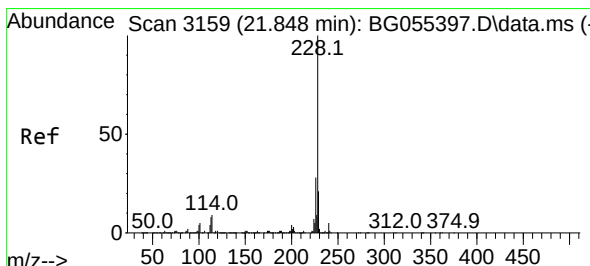
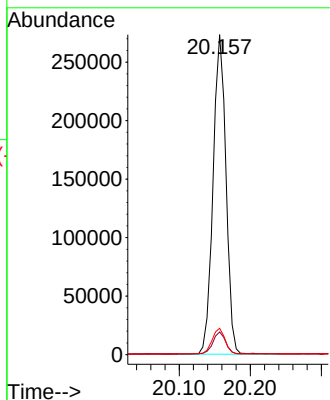
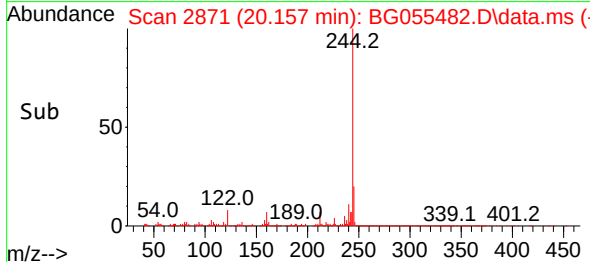
Instrument :
BNA_G
ClientSampleId :
EO-03-110322



Tgt Ion:244 Resp: 344858
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 8.2 7.8 11.6

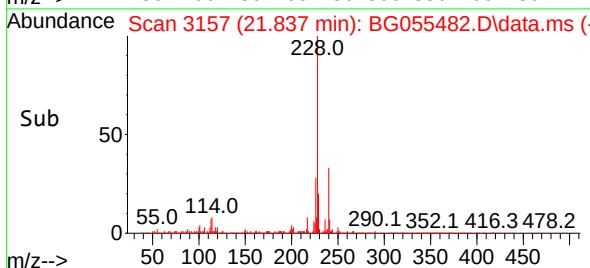
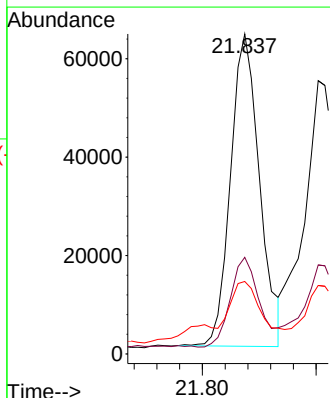
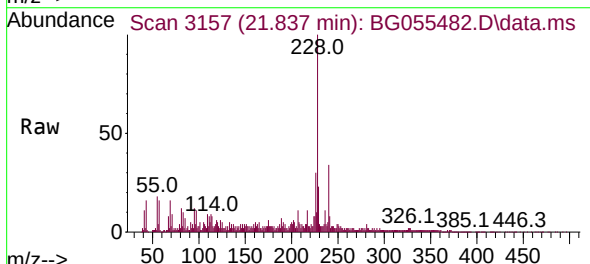
Manual Integrations
APPROVED

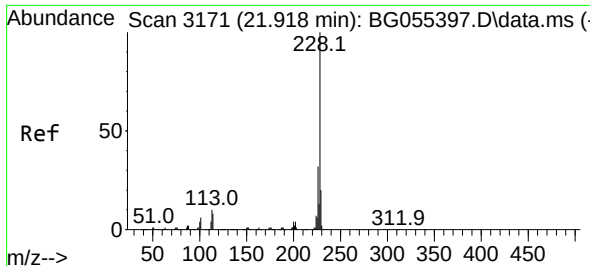
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#81
Benzo(a)anthracene
Concen: 7.915 ng
RT: 21.837 min Scan# 3157
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

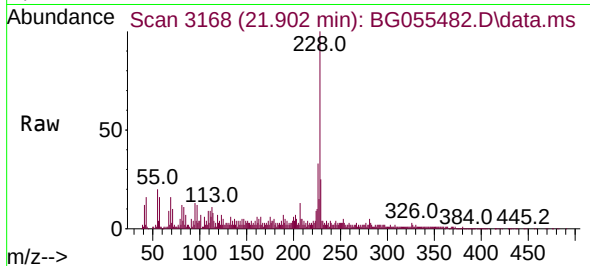
Tgt Ion:228 Resp: 112472
Ion Ratio Lower Upper
228 100
226 30.2 22.6 33.8
229 22.6 16.5 24.7





#83
Chrysene
Concen: 8.371 ng m
RT: 21.902 min Scan# 3171
Delta R.T. -0.000 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

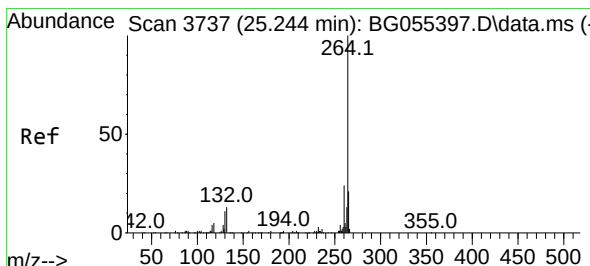
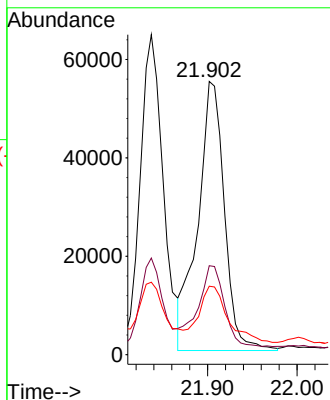
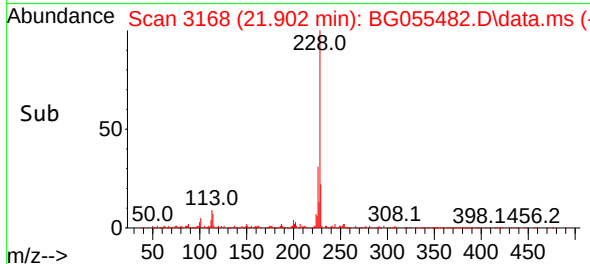
Instrument :
BNA_G
ClientSampleId :
EO-03-110322



Tgt Ion:228 Resp: 11348
Ion Ratio Lower Upper
228 100
226 32.5 25.2 37.8
229 25.0 16.2 24.2

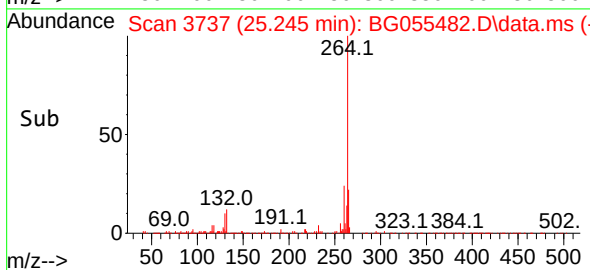
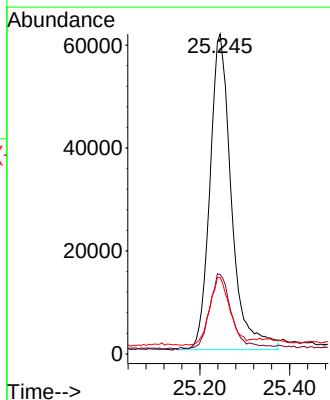
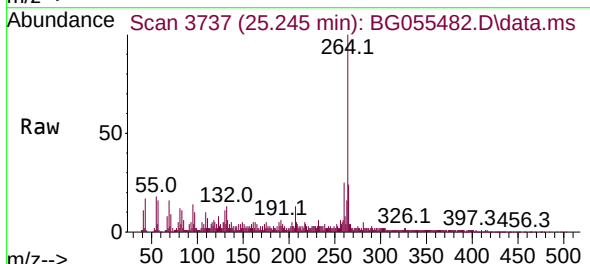
Manual Integrations
APPROVED

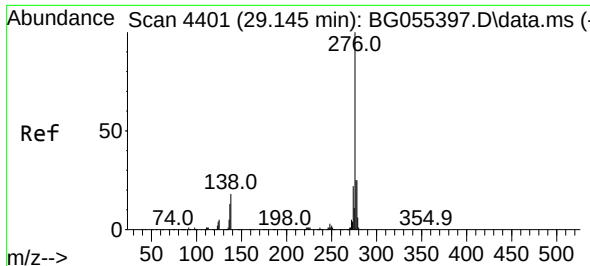
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.245 min Scan# 3737
Delta R.T. 0.023 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

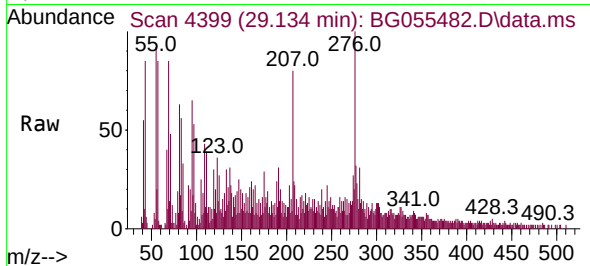
Tgt Ion:264 Resp: 204925
Ion Ratio Lower Upper
264 100
260 24.8 18.9 28.3
265 23.9 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.764 ng
RT: 29.134 min Scan# 4399
Delta R.T. 0.023 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

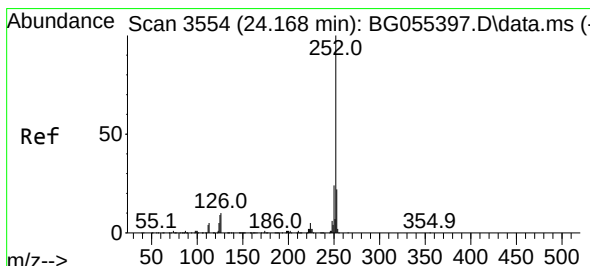
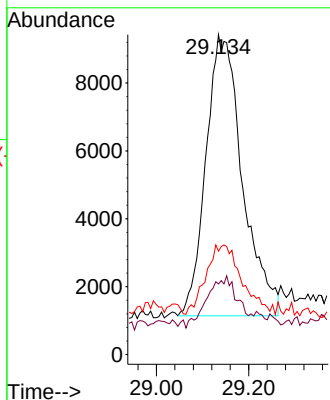
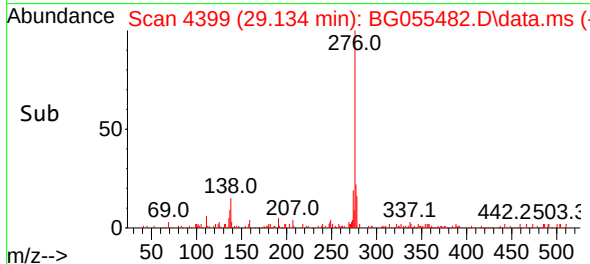
Instrument :
BNA_G
ClientSampleId :
EO-03-110322



Tgt Ion:276 Resp: 45475
Ion Ratio Lower Upper
276 100
138 15.2 16.2 24.2#
277 24.0 20.5 30.7

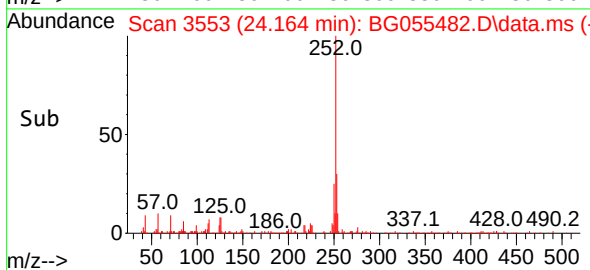
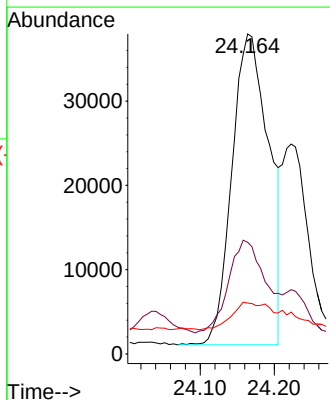
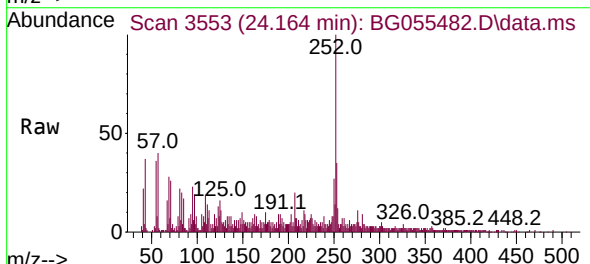
Manual Integrations
APPROVED

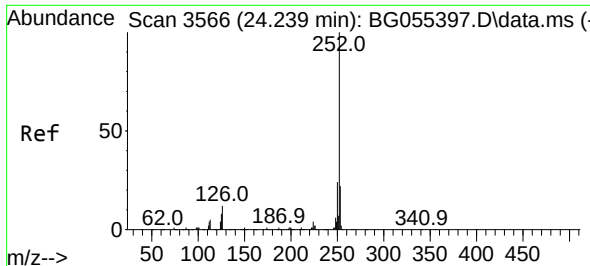
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#88
Benzo(b)fluoranthene
Concen: 9.829 ng
RT: 24.164 min Scan# 3553
Delta R.T. 0.017 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

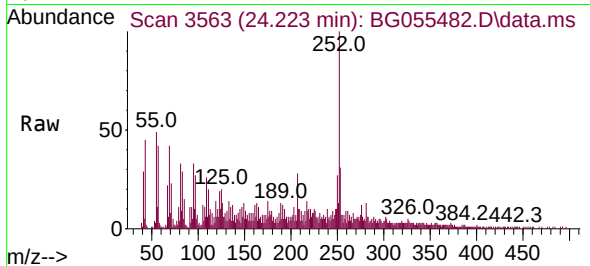
Tgt Ion:252 Resp: 127944
Ion Ratio Lower Upper
252 100
253 34.9 17.8 26.8#
125 15.9 6.8 10.2#





#89
Benzo(k)fluoranthene
Concen: 4.764 ng m
RT: 24.223 min Scan# 3566
Delta R.T. 0.006 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

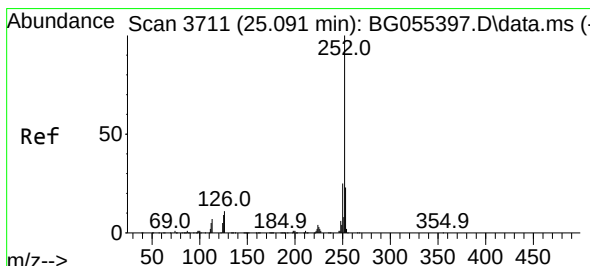
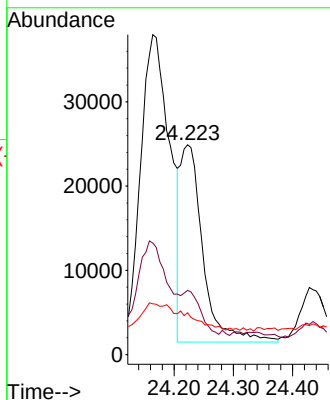
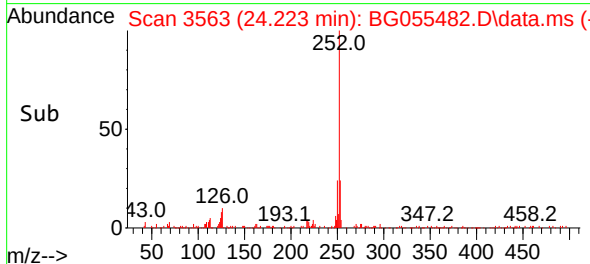
Instrument :
BNA_G
ClientSampleId :
EO-03-110322



Tgt Ion:252 Resp: 62317
Ion Ratio Lower Upper
252 100
253 30.6 17.9 26.9#
125 20.0 6.9 10.3#

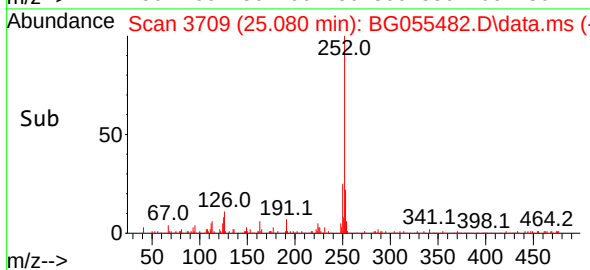
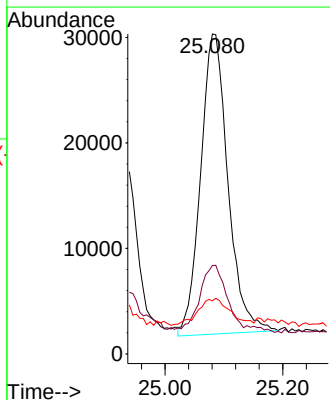
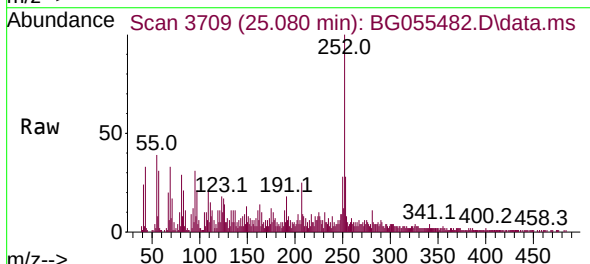
Manual Integrations
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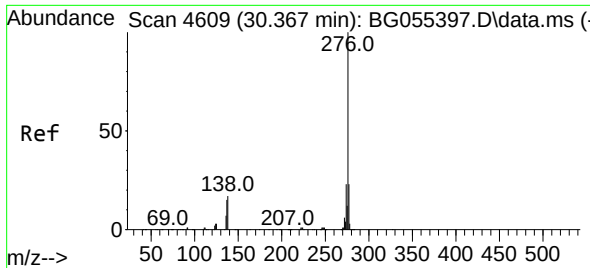
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#90
Benzo(a)pyrene
Concen: 8.163 ng
RT: 25.080 min Scan# 3709
Delta R.T. 0.017 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

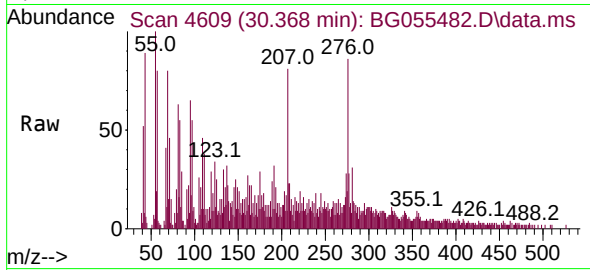
Tgt Ion:252 Resp: 91877
Ion Ratio Lower Upper
252 100
253 27.6 18.2 27.2#
125 16.6 7.1 10.7#





#92
Benzo(g,h,i)perylene
Concen: 3.120 ng
RT: 30.368 min Scan# 4609
Delta R.T. 0.047 min
Lab File: BG055482.D
Acq: 5 Nov 2022 23:11

Instrument :
BNA_G
ClientSampleId :
EO-03-110322



Tgt Ion:	276	Resp:	4212
Ion Ratio	Lower	Upper	
276	100		
277	32.2	18.6	28.0
138	25.0	13.4	20.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

