

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
 Data File : BG055852.D
 Acq On : 30 Nov 2022 21:58
 Operator : CG/JU
 Sample : N5801-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-13

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/01/2022
 Supervised By : Jagrut Upadhyay 12/01/2022

Quant Time: Dec 01 02:15:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 01 02:10:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.228	152	50180	20.000	ng	0.00
21) Naphthalene-d8	11.054	136	197200	20.000	ng	0.00
39) Acenaphthene-d10	14.850	164	130816	20.000	ng	0.00
64) Phenanthrene-d10	17.594	188	270059	20.000	ng	0.00
76) Chrysene-d12	21.900	240	247472	20.000	ng	0.02
86) Perylene-d12	25.314	264	232234	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	53507	19.274	ng	0.00
7) Phenol-d6	7.382	99	67057	18.145	ng	0.00
23) Nitrobenzene-d5	9.397	82	17838	4.781	ng	0.00
42) 2,4,6-Tribromophenol	16.336	330	21383	11.608	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	109797	12.574	ng	0.00
79) Terphenyl-d14	20.179	244	156828	12.675	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.580	152	85434	7.002	ng	98
52) Acenaphthene	14.915	154	20304	2.546	ng	97
58) Fluorene	15.890	166	40318	4.103	ng	# 93
71) Phenanthrene	17.641	178	882501	60.555	ng	99
72) Anthracene	17.729	178	291179	20.564	ng	99
73) Carbazole	17.993	167	47351	3.720	ng	98
75) Fluoranthene	19.650	202	2568958	144.895	ng	94
78) Pyrene	20.009	202	2413580m	144.087	ng	
81) Benzo(a)anthracene	21.883	228	1865652	109.455	ng	94
83) Chrysene	21.953	228	1744380m	107.501	ng	
87) Indeno(1,2,3-cd)pyrene	29.251	276	720006	37.845	ng	95
88) Benzo(b)fluoranthene	24.239	252	2189173	144.745	ng	96
89) Benzo(k)fluoranthene	24.298	252	1052352m	69.803	ng	
90) Benzo(a)pyrene	25.167	252	1755327	135.247	ng	95
91) Dibenzo(a,h)anthracene	29.292	278	186993	12.028	ng	# 89
92) Benzo(g,h,i)perylene	30.490	276	603714	38.528	ng	97

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

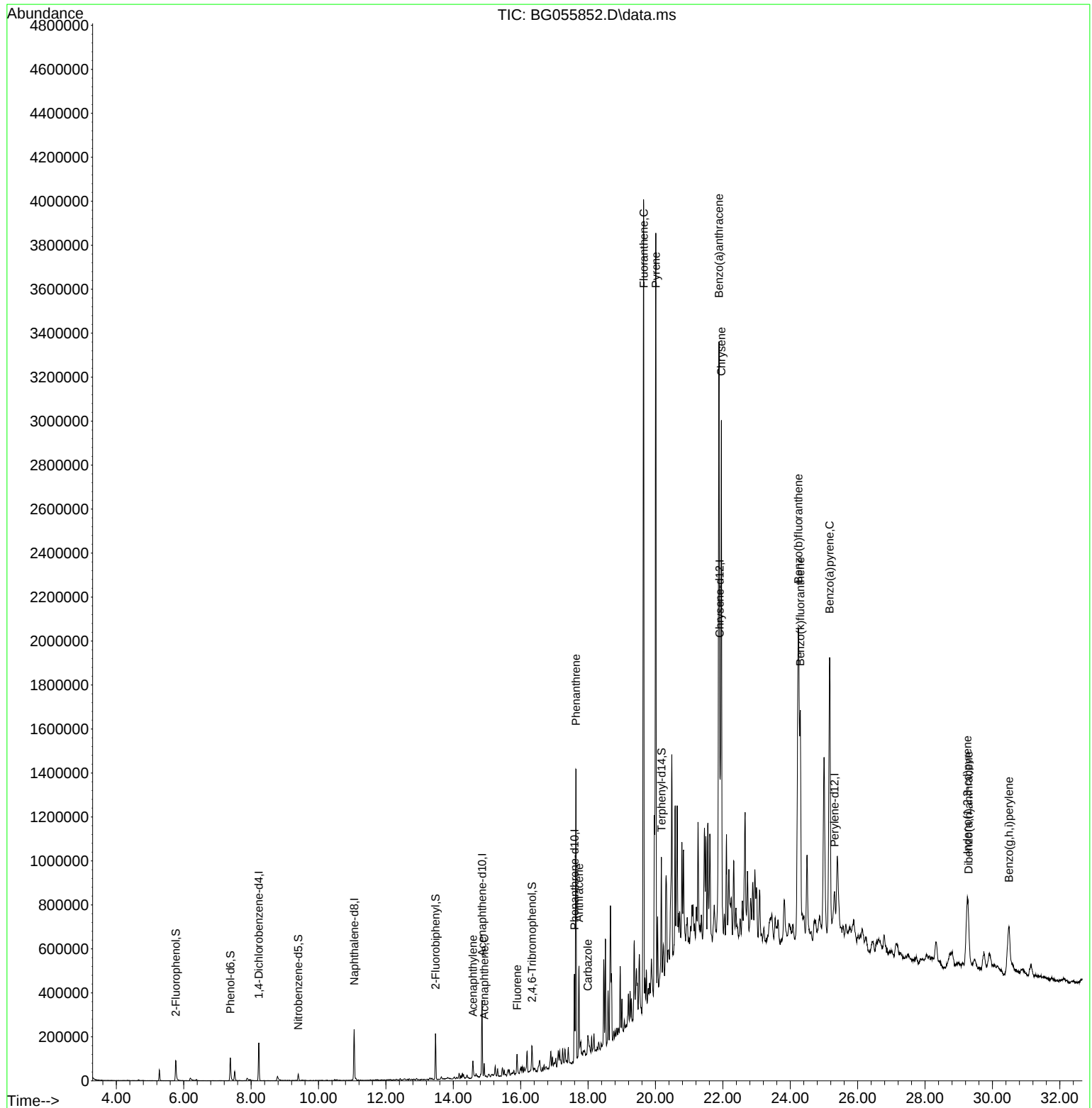
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
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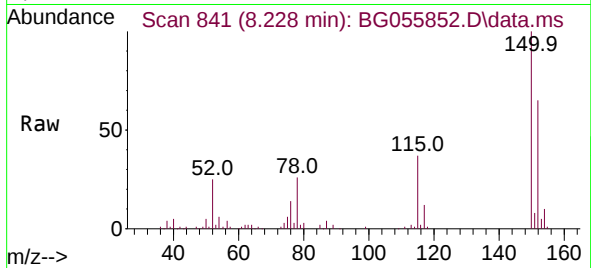
Reviewed By : Christian Giraldo 12/01/2022
Supervised By : Jagrut Upadhyay 12/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.228 min Scan# 845
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

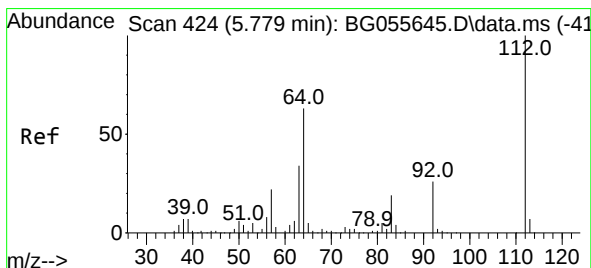
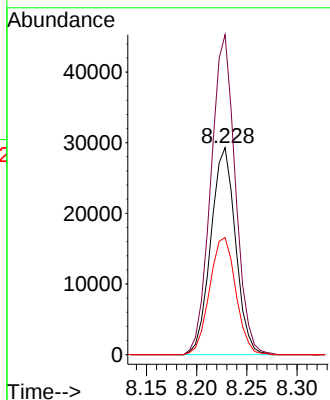
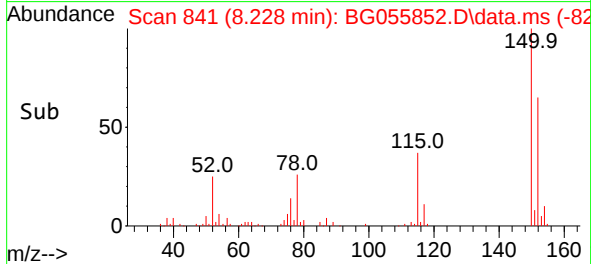
Instrument :
BNA_G
ClientSampleId :
TP-13



Tgt Ion:152 Resp: 50180
Ion Ratio Lower Upper
152 100
150 154.6 123.0 184.6
115 56.5 47.0 70.4

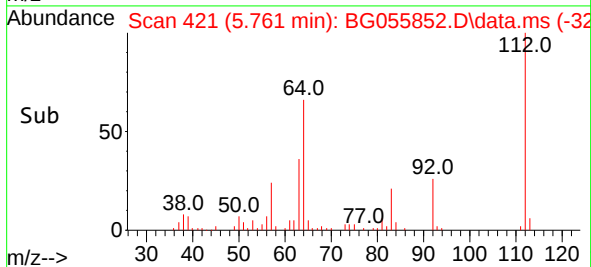
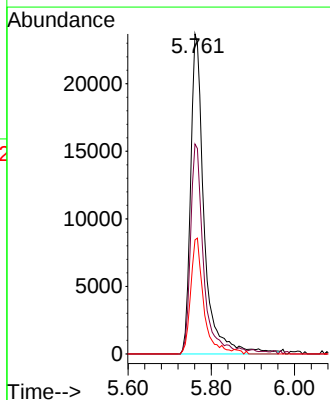
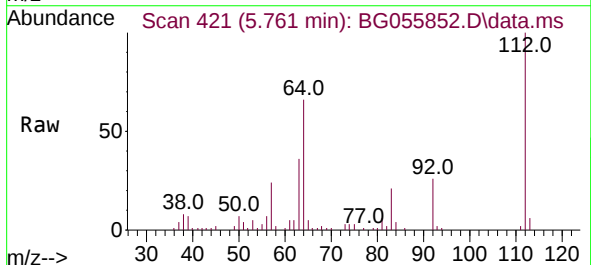
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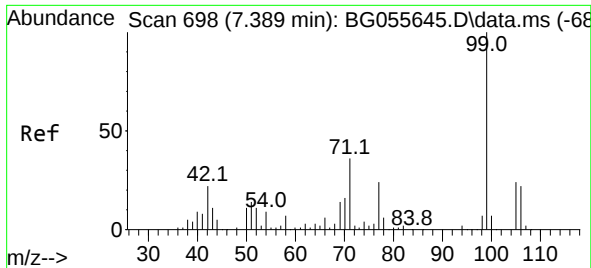
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#5
2-Fluorophenol
Concen: 19.274 ng
RT: 5.761 min Scan# 421
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:112 Resp: 53507
Ion Ratio Lower Upper
112 100
64 65.6 50.6 76.0
63 35.6 27.5 41.3





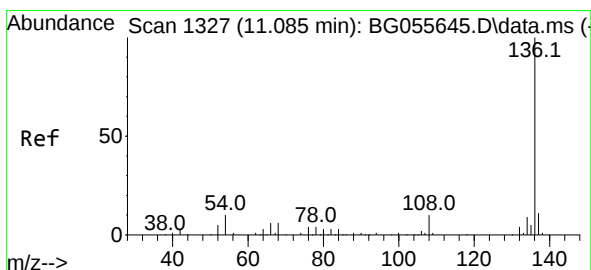
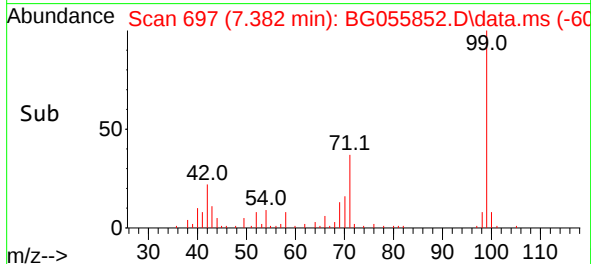
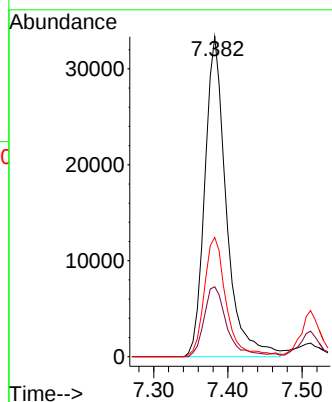
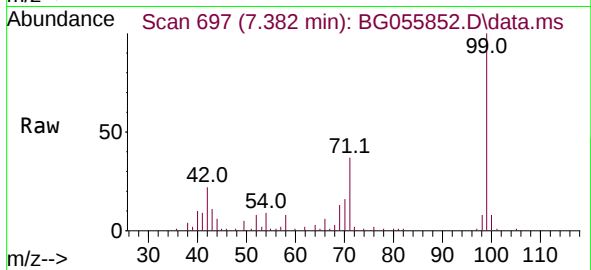
#7
Phenol-d6
Concen: 18.145 ng
RT: 7.382 min Scan# 698
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Instrument :
BNA_G
ClientSampleId :
TP-13

Tgt Ion: 99	Resp: 6705
Ion Ratio	Lower Upper
99 100	
42 21.8	18.0 27.0
71 37.2	29.0 43.6

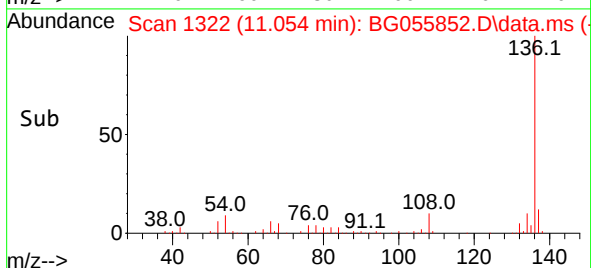
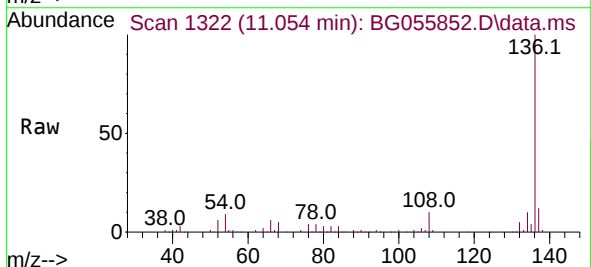
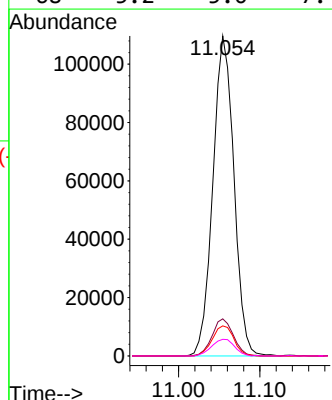
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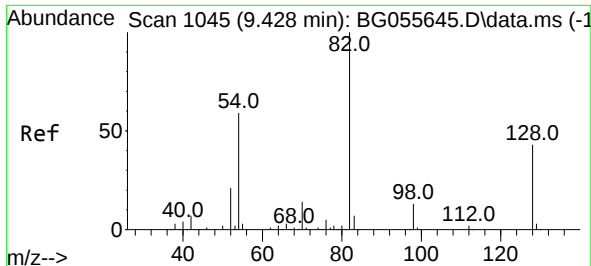
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.054 min Scan# 1322
Delta R.T. 0.003 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:136	Resp: 197200
Ion Ratio	Lower Upper
136 100	
137 11.6	9.0 13.6
54 9.4	7.8 11.6
68 5.2	5.0 7.4





#23

Nitrobenzene-d5

Concen: 4.781 ng

RT: 9.397 min Scan# 1040

Delta R.T. 0.003 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

Instrument :

BNA_G

ClientSampleId :

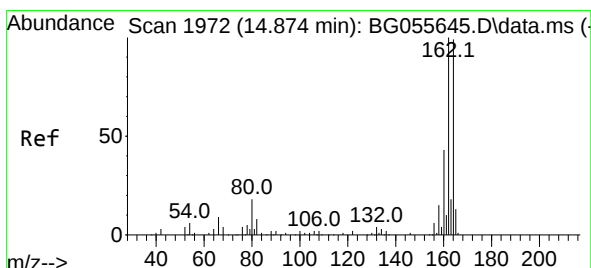
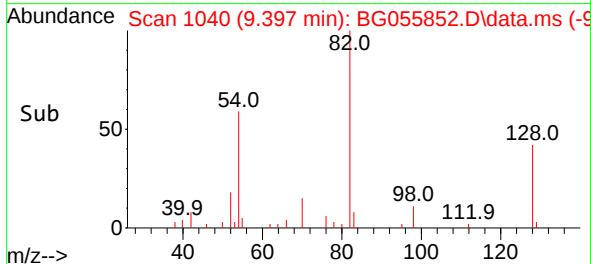
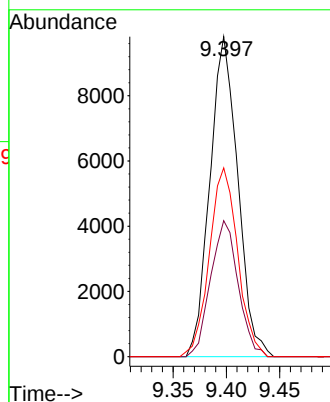
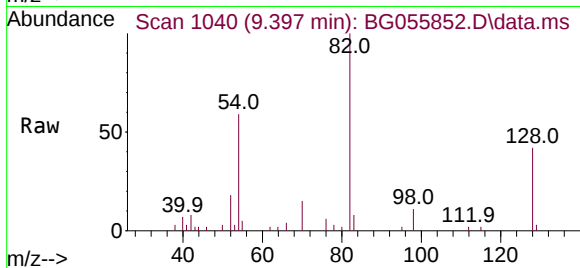
TP-13

Tgt Ion: 82 Resp: 17838
 Ion Ratio Lower Upper
 82 100
 128 42.5 34.1 51.1
 54 59.0 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

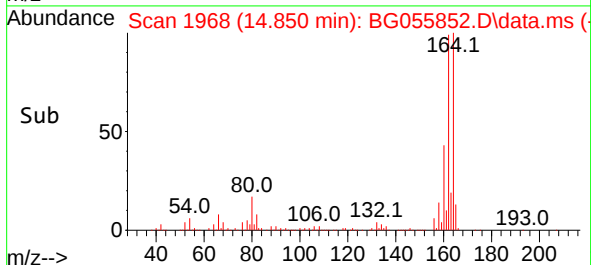
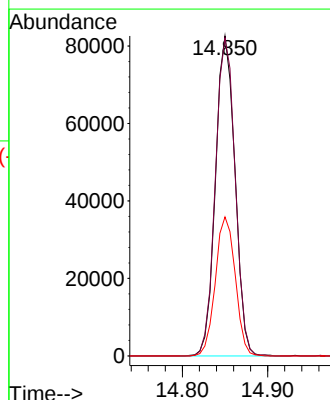
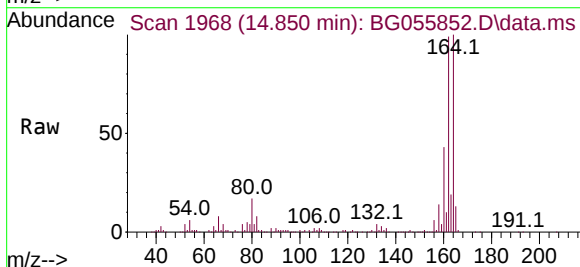
RT: 14.850 min Scan# 1968

Delta R.T. 0.003 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

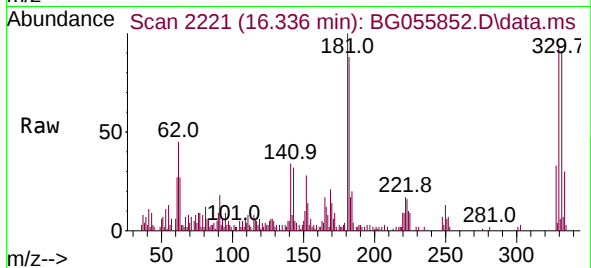
Tgt Ion:164 Resp: 130816
 Ion Ratio Lower Upper
 164 100
 162 99.4 81.1 121.7
 160 43.4 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 11.608 ng
RT: 16.336 min Scan# 211
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

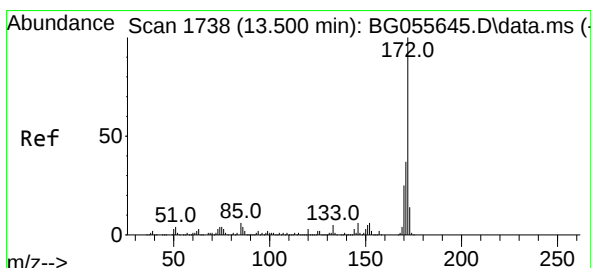
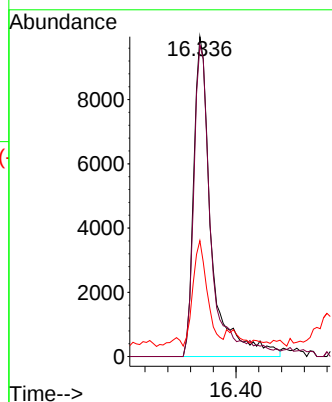
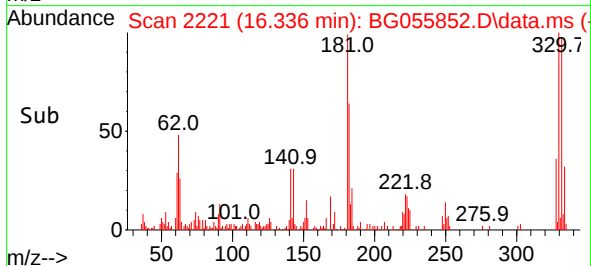
Instrument :
BNA_G
ClientSampleId :
TP-13



Tgt Ion:330 Resp: 21383
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.8
141 26.8 23.9 35.9

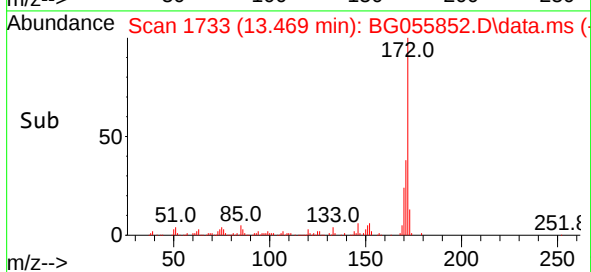
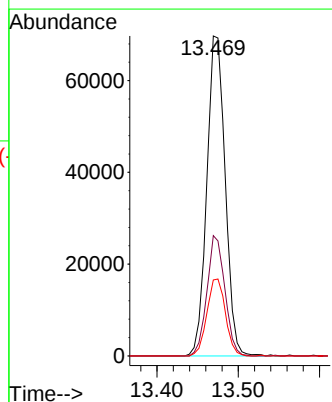
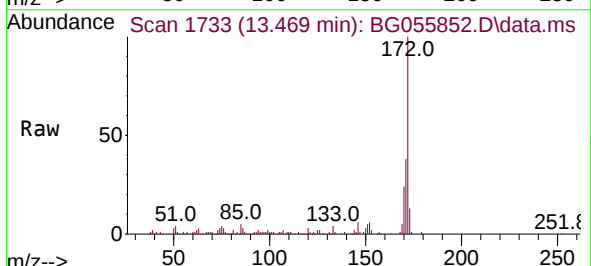
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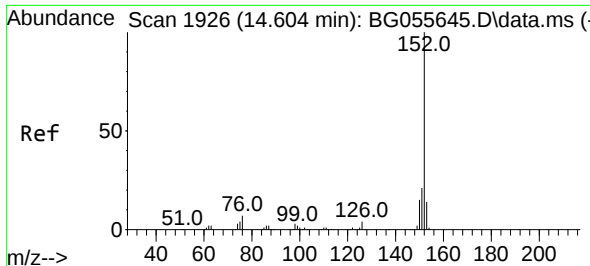
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#45
2-Fluorobiphenyl
Concen: 12.574 ng
RT: 13.469 min Scan# 1733
Delta R.T. -0.003 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:172 Resp: 109797
Ion Ratio Lower Upper
172 100
171 37.6 29.8 44.6
170 23.7 20.2 30.4





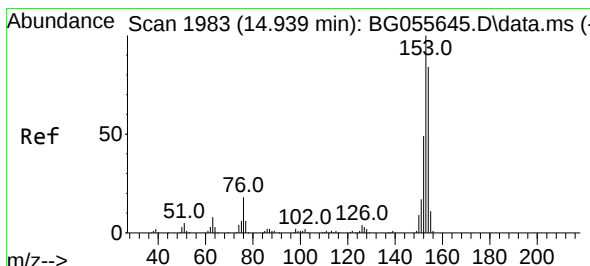
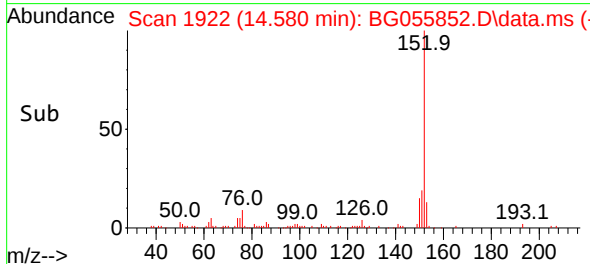
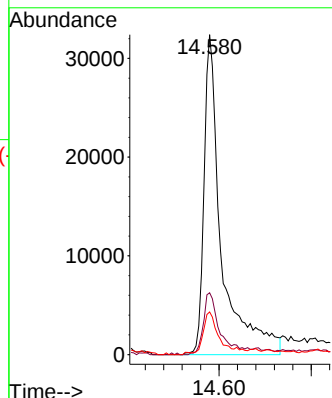
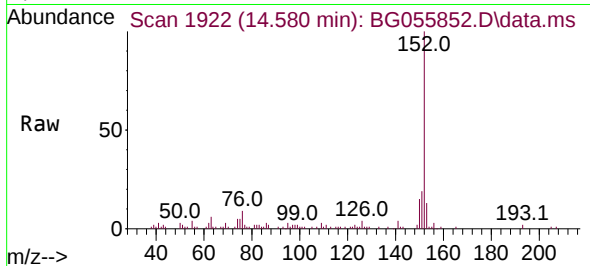
#49
Acenaphthylene
Concen: 7.002 ng
RT: 14.580 min Scan# 1922
Delta R.T. 0.003 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Instrument :
BNA_G
ClientSampleId :
TP-13

Tgt Ion:152 Resp: 85434
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 13.3 11.0 16.4

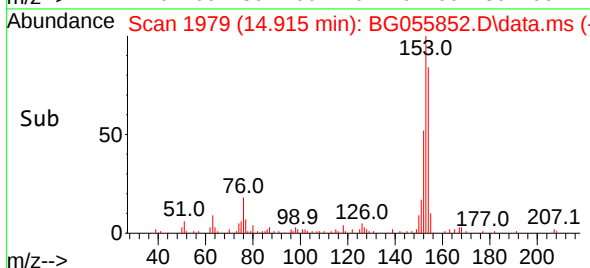
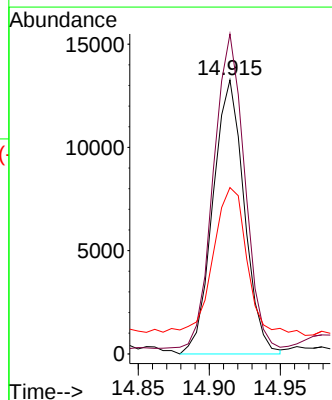
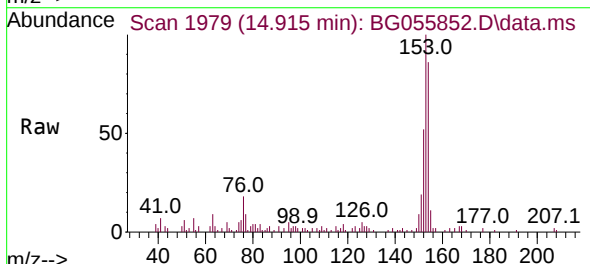
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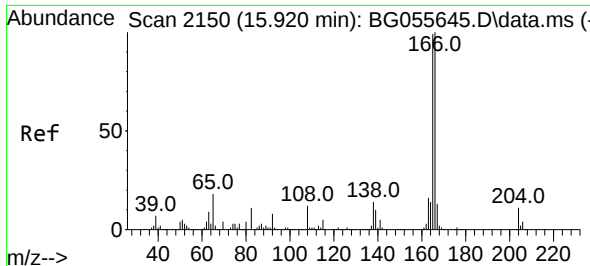
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#52
Acenaphthene
Concen: 2.546 ng
RT: 14.915 min Scan# 1979
Delta R.T. 0.003 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:154 Resp: 20304
Ion Ratio Lower Upper
154 100
153 116.8 95.0 142.4
152 60.7 46.1 69.1





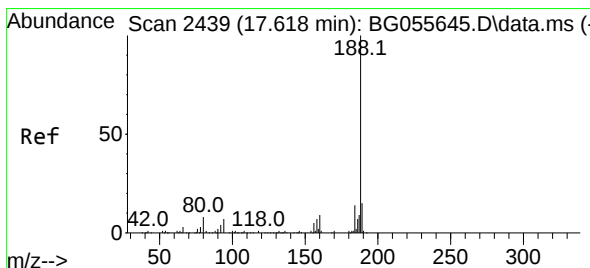
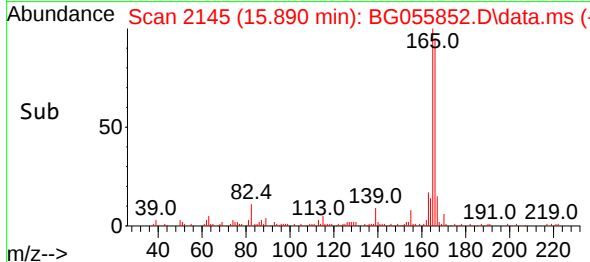
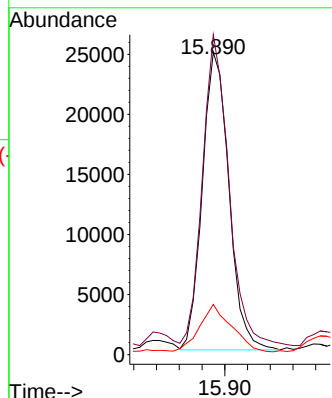
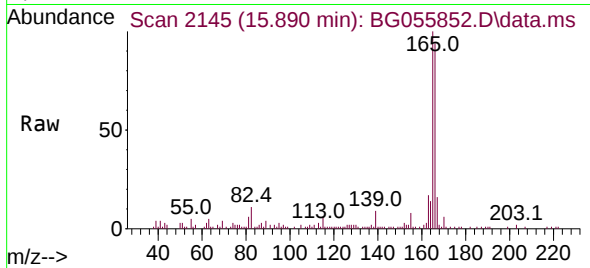
#58
Fluorene
Concen: 4.103 ng
RT: 15.890 min Scan# 2150
Delta R.T. 0.003 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Instrument :
BNA_G
ClientSampleId :
TP-13

Tgt Ion:166 Resp: 40318
Ion Ratio Lower Upper
166 100
165 105.8 79.3 118.9
167 16.6 10.6 15.8

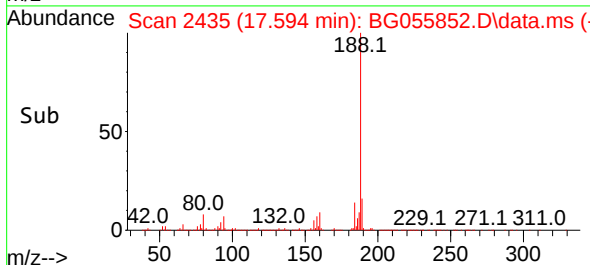
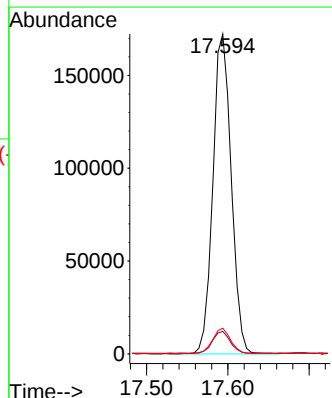
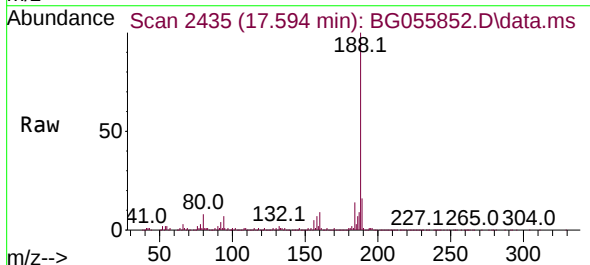
Manual Integrations
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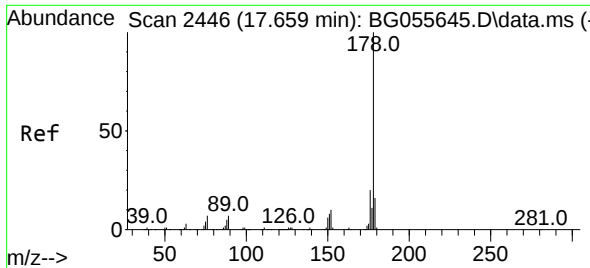
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.594 min Scan# 2435
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

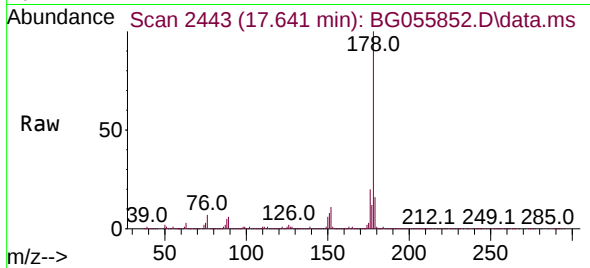
Tgt Ion:188 Resp: 270059
Ion Ratio Lower Upper
188 100
94 7.0 5.4 8.2
80 8.0 6.6 10.0





#71
Phenanthrene
Concen: 60.555 ng
RT: 17.641 min Scan# 2446
Delta R.T. 0.015 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

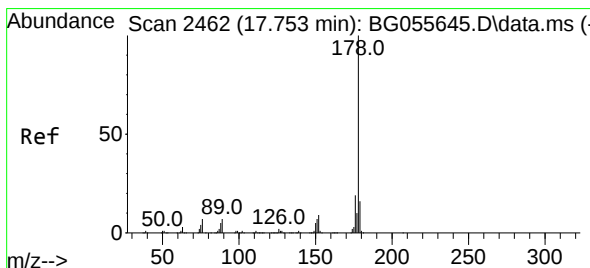
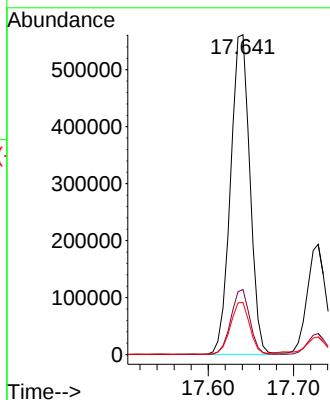
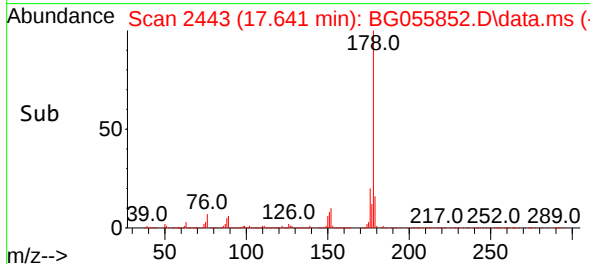
Instrument :
BNA_G
ClientSampleId :
TP-13



Tgt Ion:178 Resp: 882501
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 16.3 12.7 19.1

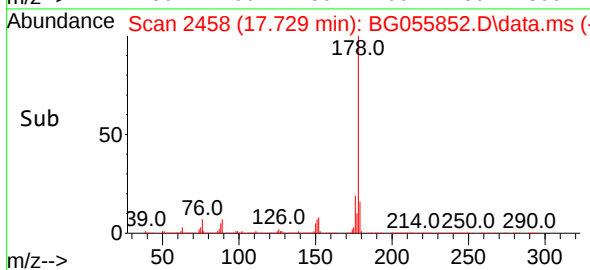
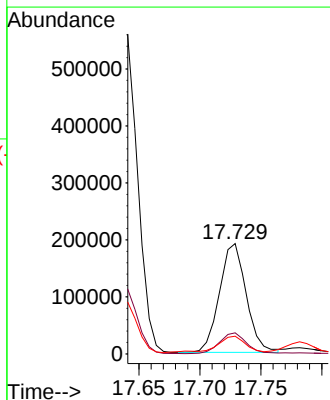
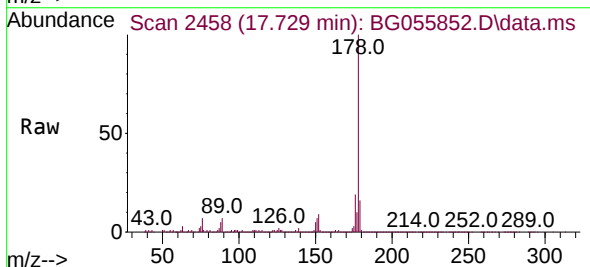
Manual Integrations
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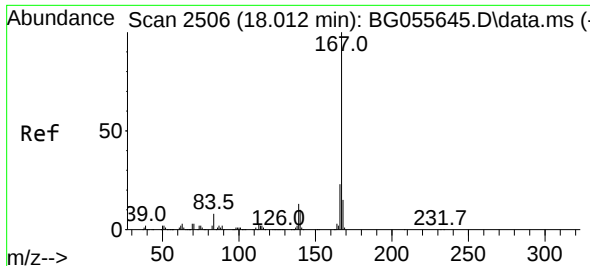
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#72
Anthracene
Concen: 20.564 ng
RT: 17.729 min Scan# 2458
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:178 Resp: 291179
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 16.0 12.5 18.7





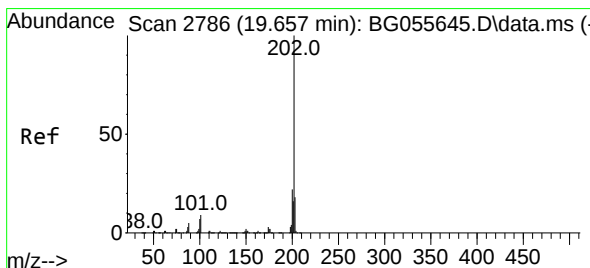
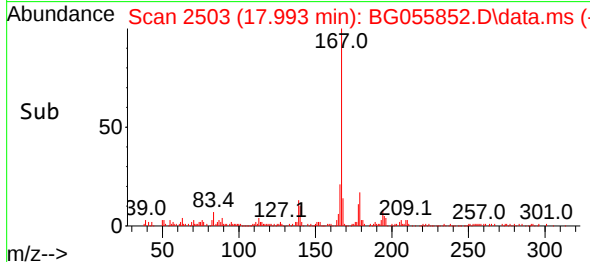
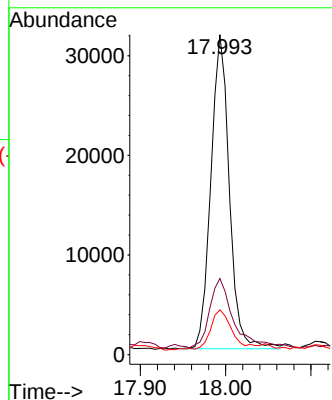
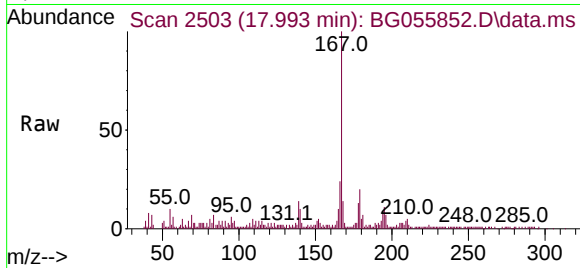
#73
 Carbazole
 Concen: 3.720 ng
 RT: 17.993 min Scan# 2503
 Delta R.T. 0.009 min
 Lab File: BG055852.D
 Acq: 30 Nov 2022 21:58

Instrument :
 BNA_G
 ClientSampleId :
 TP-13

Tgt Ion:167 Resp: 4735
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.2 27.2
 139 14.0 10.2 15.4

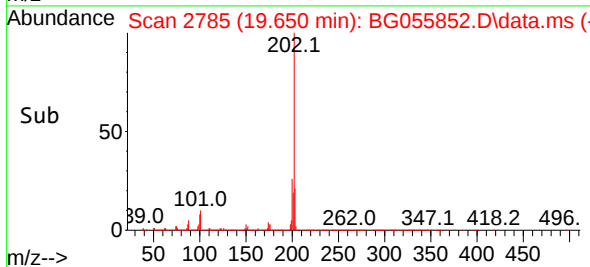
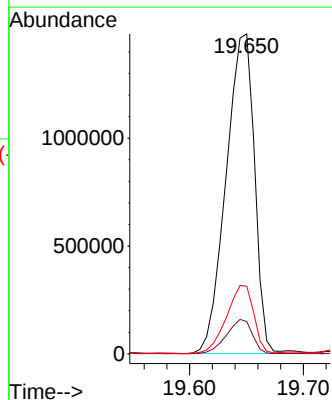
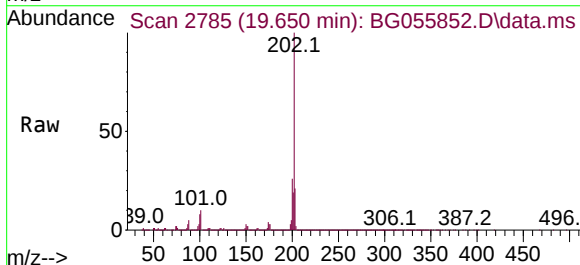
Manual Integrations
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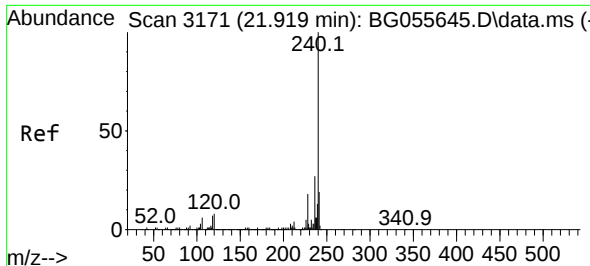
Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022



#75
 Fluoranthene
 Concen: 144.895 ng
 RT: 19.650 min Scan# 2785
 Delta R.T. 0.027 min
 Lab File: BG055852.D
 Acq: 30 Nov 2022 21:58

Tgt Ion:202 Resp: 2568958
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 28.8
 203 21.1 0.0 38.1





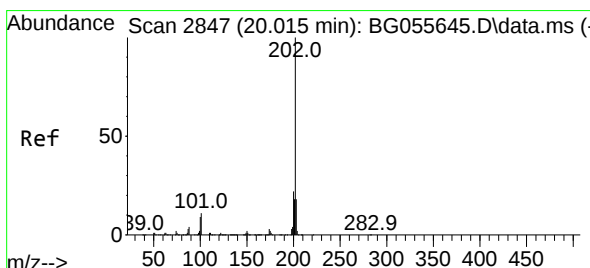
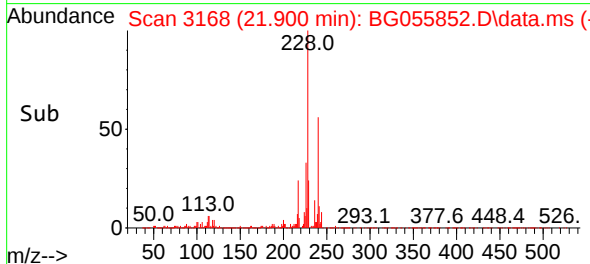
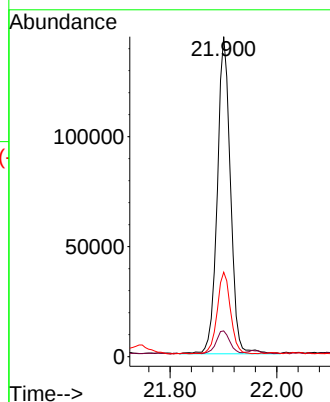
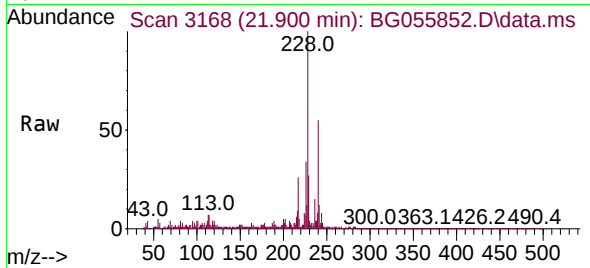
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.900 min Scan# 3171
Delta R.T. 0.021 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Instrument :
BNA_G
ClientSampleId :
TP-13

Tgt Ion:240 Resp: 247472
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 26.4 21.9 32.9

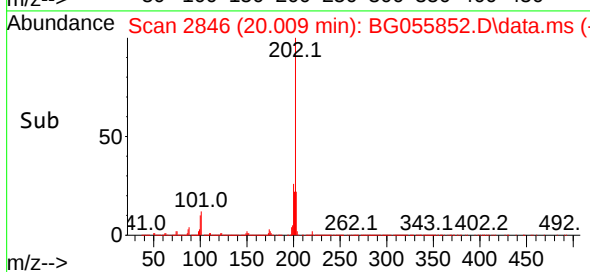
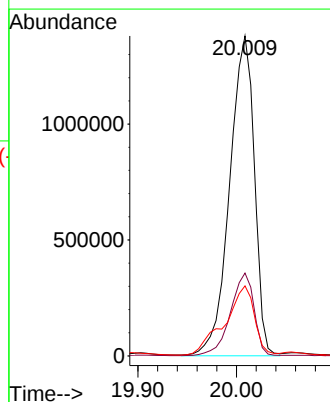
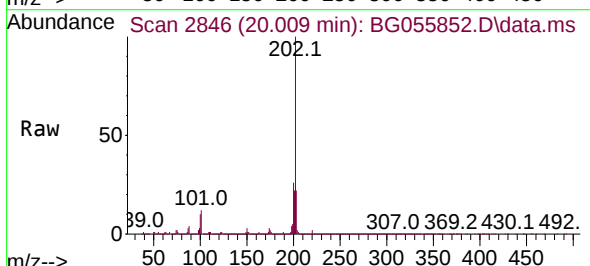
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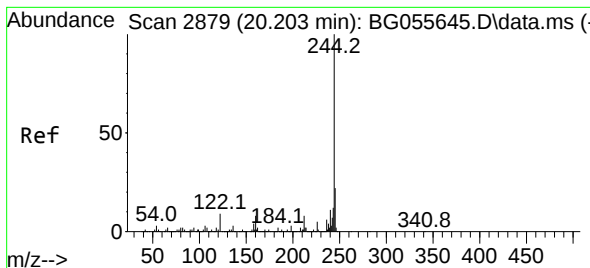
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#78
Pyrene
Concen: 144.087 ng m
RT: 20.009 min Scan# 2846
Delta R.T. 0.021 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:202 Resp: 2413580
Ion Ratio Lower Upper
202 100
200 25.9 17.8 26.6
203 21.9 14.4 21.6#





#79

Terphenyl-d14

Concen: 12.675 ng

RT: 20.179 min Scan# 2879

Delta R.T. 0.009 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

Instrument :

BNA_G

ClientSampleId :

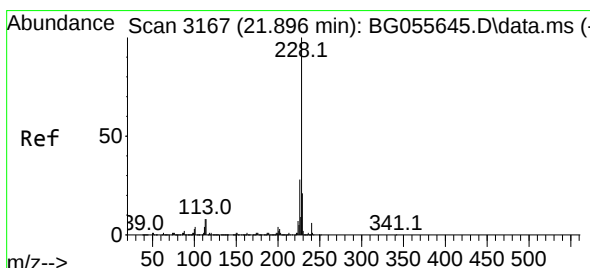
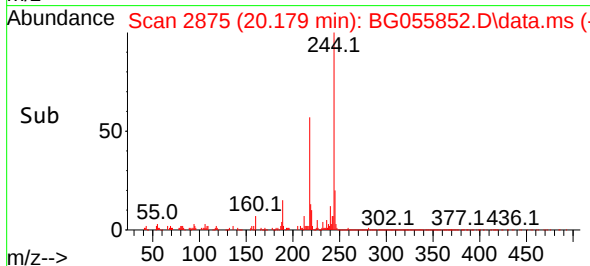
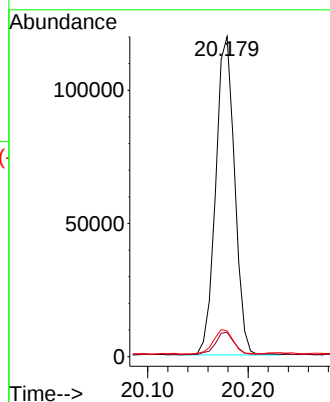
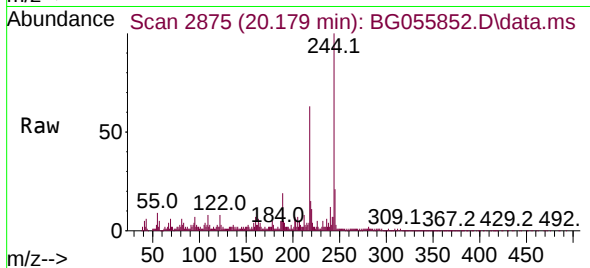
TP-13

Tgt Ion:244 Resp: 156828
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.3 9.5
 122 8.0 6.9 10.3

Manual Integrations

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Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022



#81

Benzo(a)anthracene

Concen: 109.455 ng

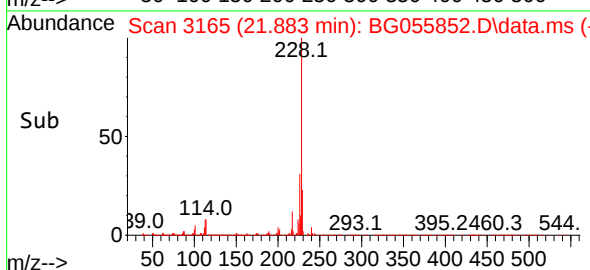
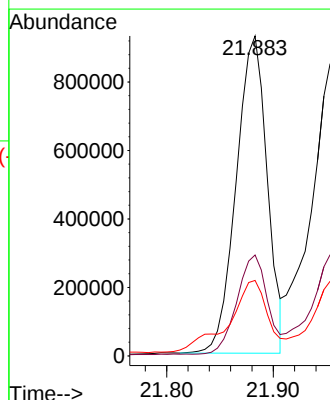
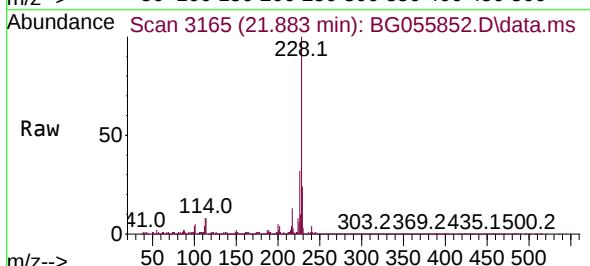
RT: 21.883 min Scan# 3165

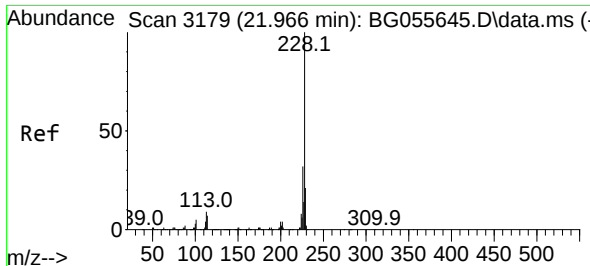
Delta R.T. 0.027 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

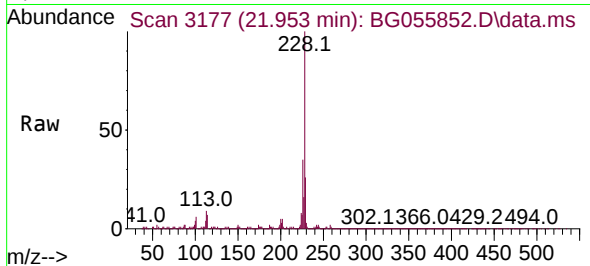
Tgt Ion:228 Resp: 1865652
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.7 34.1
 229 23.6 16.5 24.7





#83
Chrysene
Concen: 107.501 ng m
RT: 21.953 min Scan# 3179
Delta R.T. 0.027 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

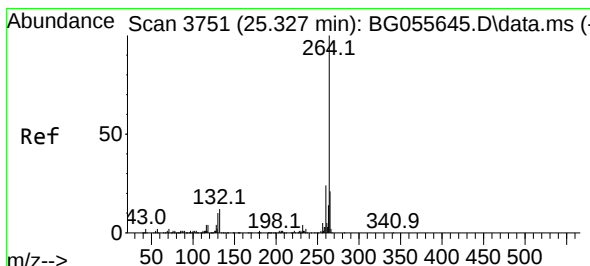
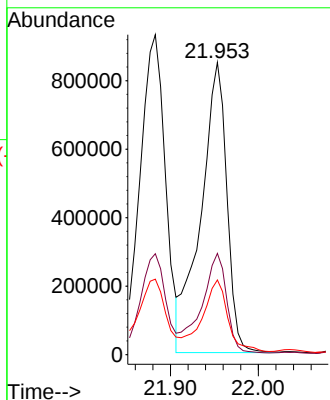
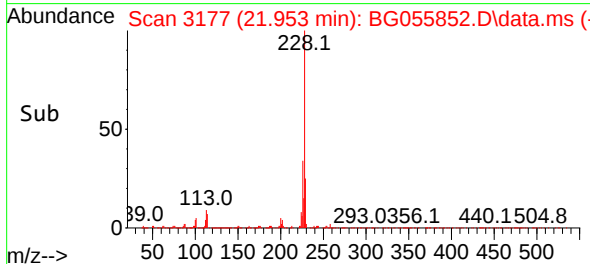
Instrument :
BNA_G
ClientSampleId :
TP-13



Tgt Ion:228 Resp: 1744380
Ion Ratio Lower Upper
228 100
226 34.6 25.4 38.2
229 25.5 17.1 25.7

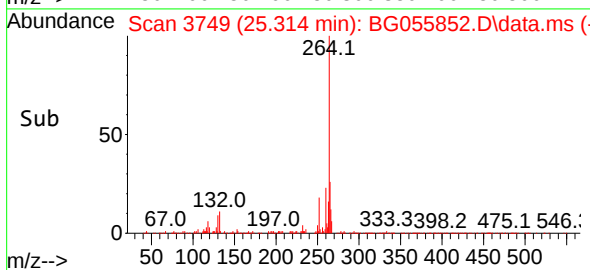
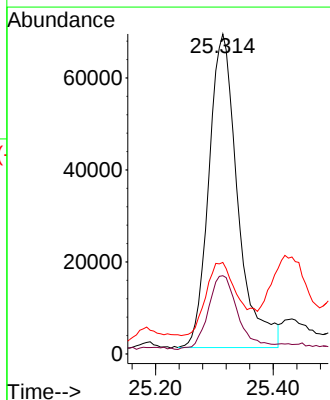
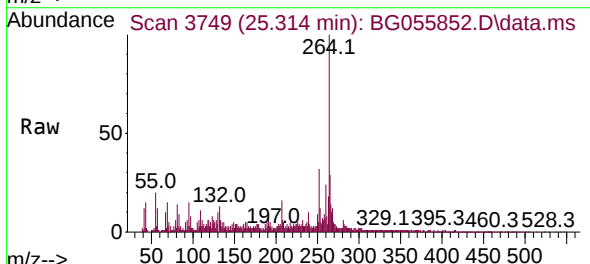
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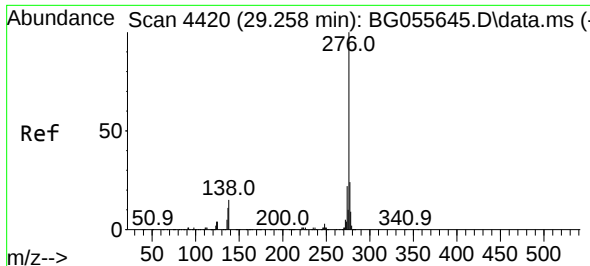
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.314 min Scan# 3749
Delta R.T. 0.056 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

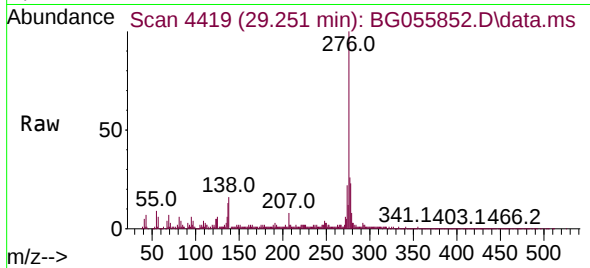
Tgt Ion:264 Resp: 232234
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 28.6 17.1 25.7#





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 37.845 ng
 RT: 29.251 min Scan# 4420
 Delta R.T. 0.079 min
 Lab File: BG055852.D
 Acq: 30 Nov 2022 21:58

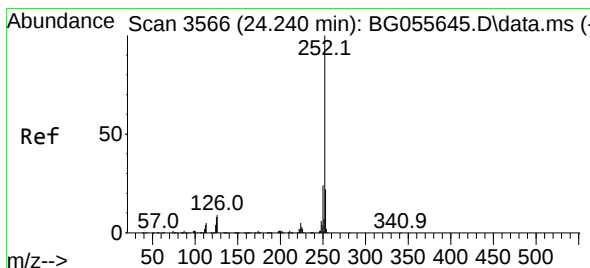
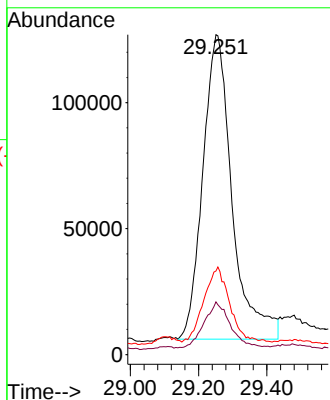
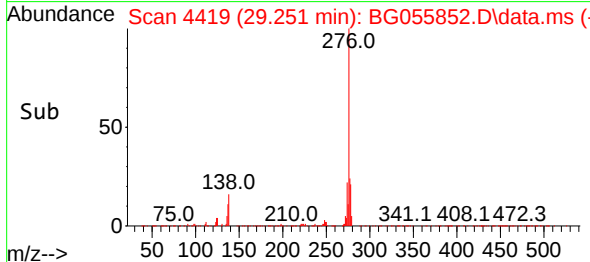
Instrument :
 BNA_G
 ClientSampleId :
 TP-13



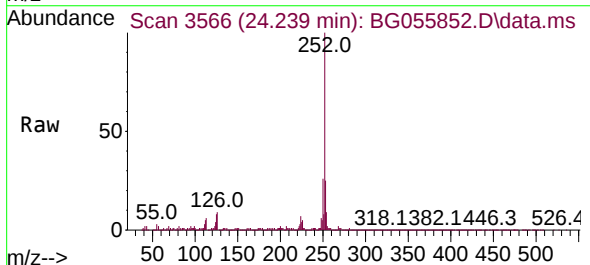
Tgt Ion: 276 Resp: 720000
 Ion Ratio Lower Upper
 276 100
 138 13.4 10.4 15.6
 277 21.8 20.2 30.4

Manual Integrations
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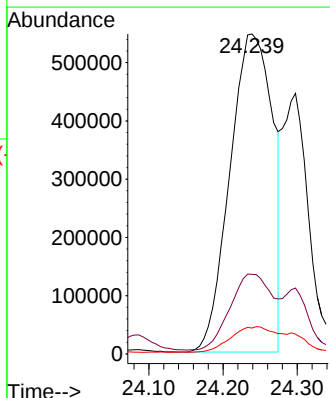
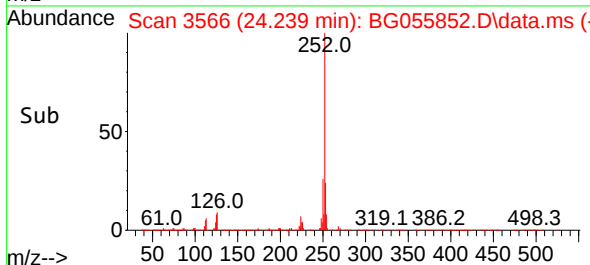
Reviewed By : Christian Giraldo 12/01/2022
 Supervised By : Jagrut Upadhyay 12/01/2022

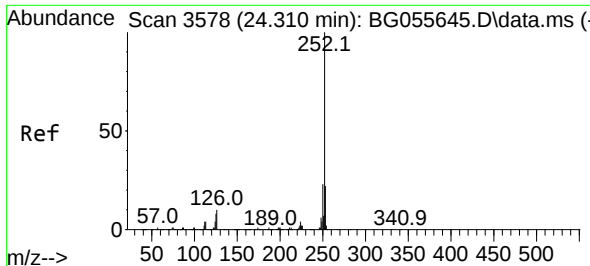


#88
 Benzo(b)fluoranthene
 Concen: 144.745 ng
 RT: 24.239 min Scan# 3566
 Delta R.T. 0.062 min
 Lab File: BG055852.D
 Acq: 30 Nov 2022 21:58



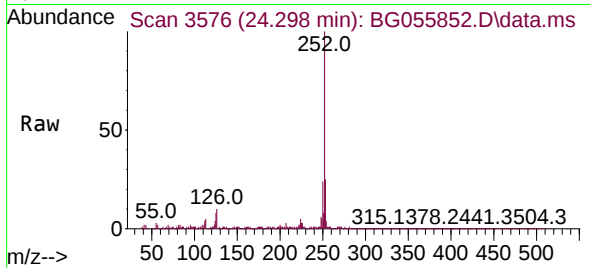
Tgt Ion: 252 Resp: 2189173
 Ion Ratio Lower Upper
 252 100
 253 24.9 18.0 27.0
 125 8.1 6.2 9.2





#89
Benzo(k)fluoranthene
Concen: 69.803 ng m
RT: 24.298 min Scan# 3578
Delta R.T. 0.044 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

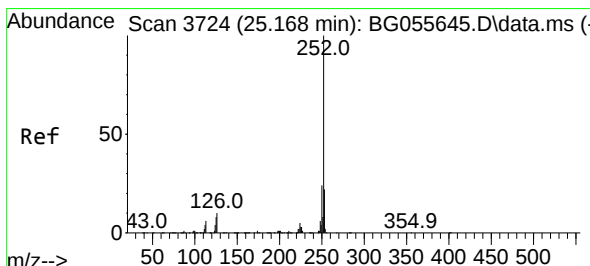
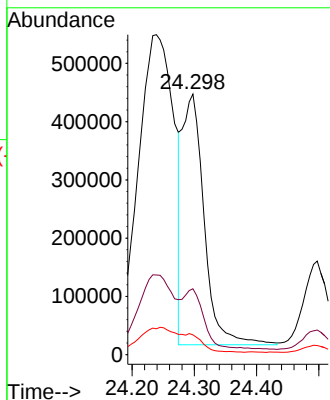
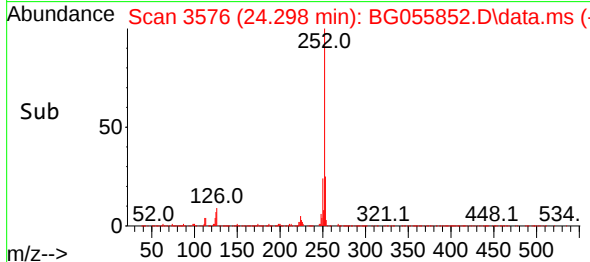
Instrument :
BNA_G
ClientSampleId :
TP-13



Tgt Ion:252 Resp: 1052352
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 7.6 6.1 9.1

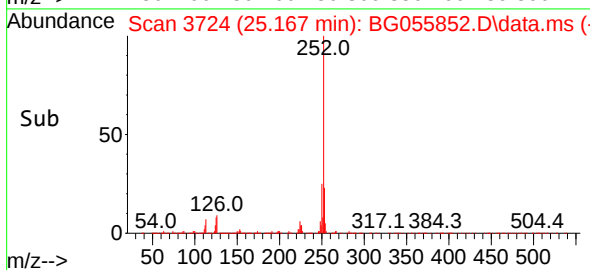
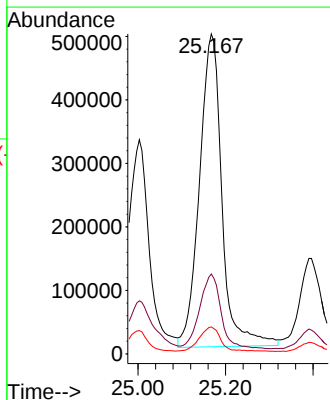
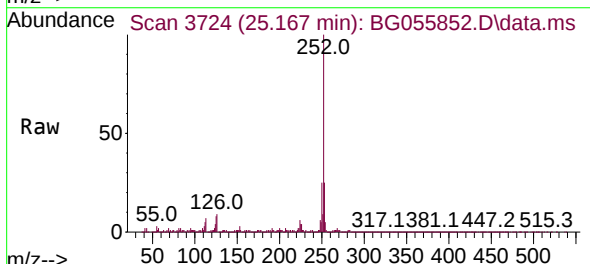
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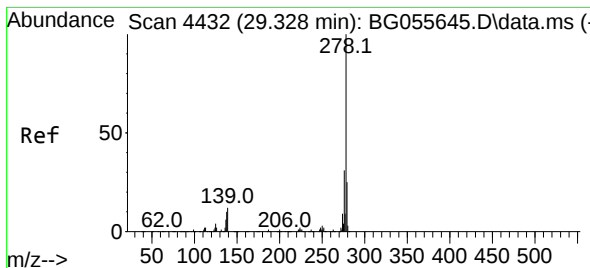
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#90
Benzo(a)pyrene
Concen: 135.247 ng
RT: 25.167 min Scan# 3724
Delta R.T. 0.068 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:252 Resp: 1755327
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.6
125 8.4 6.4 9.6





#91

Dibenzo(a,h)anthracene

Concen: 12.028 ng

RT: 29.292 min Scan# 44

Delta R.T. 0.068 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

Instrument :

BNA_G

ClientSampleId :

TP-13

Tgt Ion:278 Resp: 186993

Ion Ratio Lower Upper

278 100

139 15.0 9.8 14.8

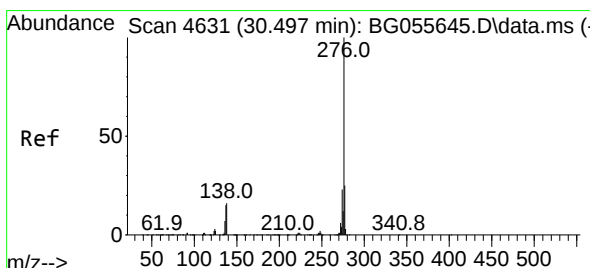
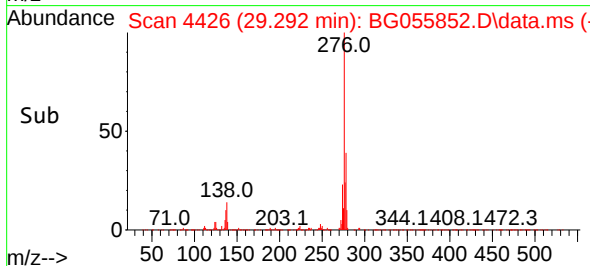
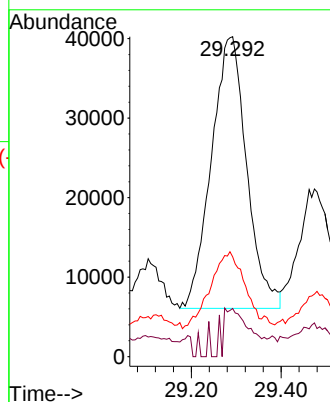
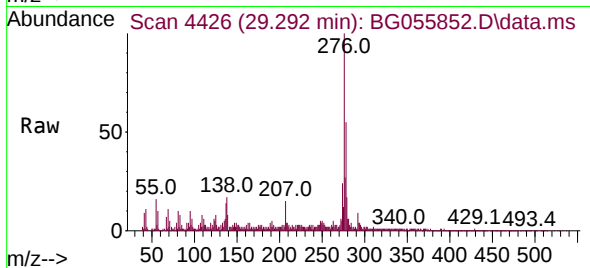
279 31.2 19.8 29.6

Manual Integrations

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Reviewed By :Christian Giraldo 12/01/2022

Supervised By :Jagrut Upadhyay 12/01/2022



#92

Benzo(g,h,i)perylene

Concen: 38.528 ng

RT: 30.490 min Scan# 4630

Delta R.T. 0.091 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

Tgt Ion:276 Resp: 603714

Ion Ratio Lower Upper

276 100

277 26.7 19.8 29.6

138 15.2 13.1 19.7

