

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
 Data File : BG056691.D
 Acq On : 21 Feb 2023 19:36
 Operator : CG/JU
 Sample : 01608-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-02172023

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/22/2023
 Supervised By :Jagrut Upadhyay 02/22/2023

Quant Time: Feb 22 00:09:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 21 18:07:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.435	152	24192	20.000	ng	0.00
21) Naphthalene-d8	11.279	136	94246	20.000	ng	0.00
39) Acenaphthene-d10	15.045	164	60472	20.000	ng	0.00
64) Phenanthrene-d10	17.777	188	124345	20.000	ng	0.00
76) Chrysene-d12	22.095	240	106160	20.000	ng	0.00
86) Perylene-d12	25.650	264	80968	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.950	112	102293	68.799	ng	0.01
7) Phenol-d6	7.560	99	146951	66.909	ng	0.00
23) Nitrobenzene-d5	9.610	82	95826	52.060	ng	0.00
42) 2,4,6-Tribromophenol	16.520	330	55800	67.397	ng	0.00
45) 2-Fluorobiphenyl	13.670	172	198301	43.911	ng	0.00
79) Terphenyl-d14	20.345	244	260917	40.212	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.818	178	94998	14.043	ng	97
72) Anthracene	17.912	178	28156	4.067	ng	98
75) Fluoranthene	19.804	202	174406	19.539	ng	99
78) Pyrene	20.168	202	168571	21.026	ng	97
81) Benzo(a)anthracene	22.078	228	81453	10.317	ng	93
83) Chrysene	22.148	228	78301m	10.609	ng	
88) Benzo(b)fluoranthene	24.516	252	61334	11.595	ng	# 84
89) Benzo(k)fluoranthene	24.581	252	29122m	5.598	ng	
90) Benzo(a)pyrene	25.480	252	39621m	7.792	ng	

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

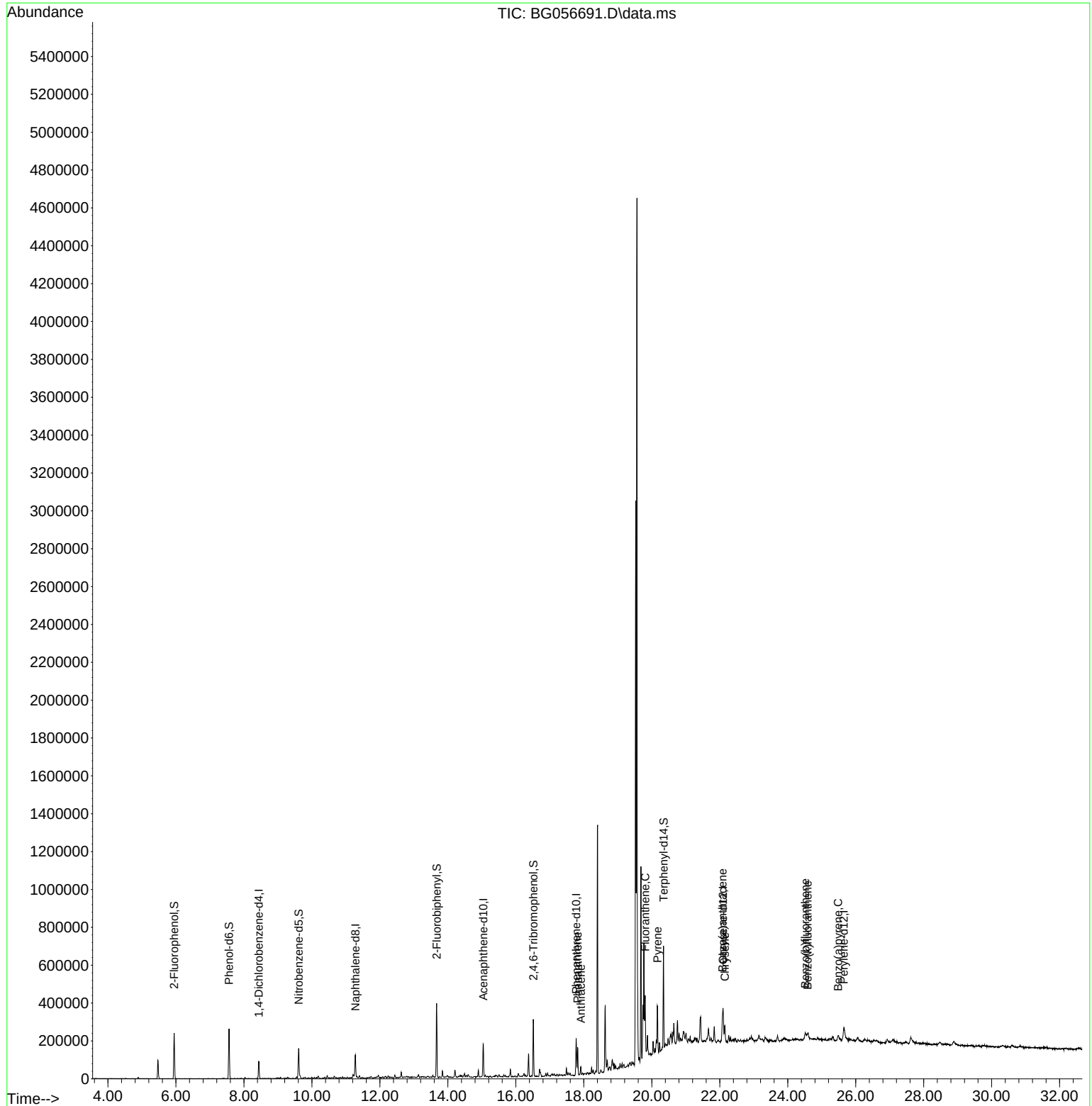
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
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ALS Vial : 12 Sample Multiplier: 1

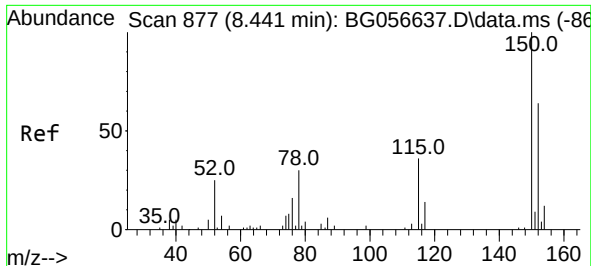
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023

Quant Time: Feb 22 00:09:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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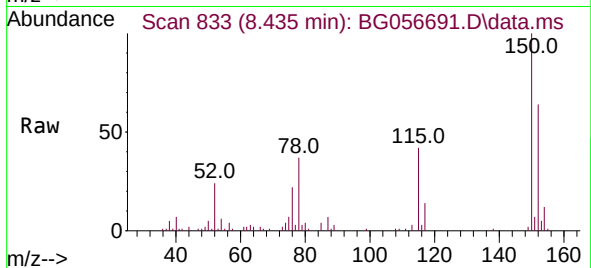
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Supervised By :Jagrut Upadhyay 02/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.435 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

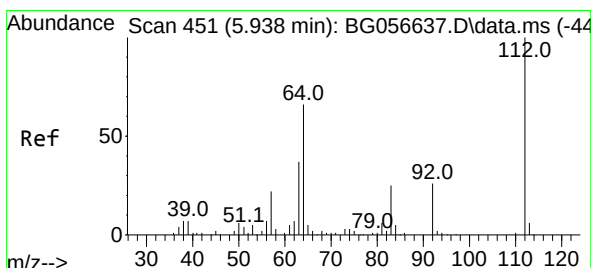
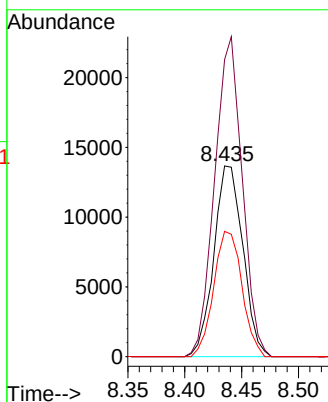
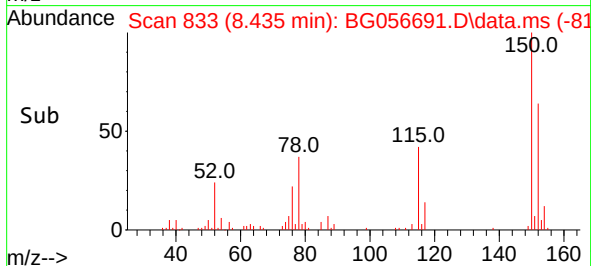
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023



Tgt Ion:152 Resp: 24192
Ion Ratio Lower Upper
152 100
150 155.9 124.8 187.2
115 65.7 44.7 67.1

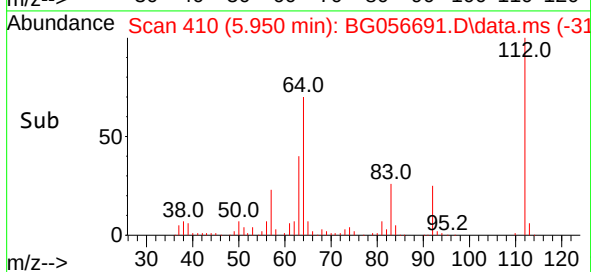
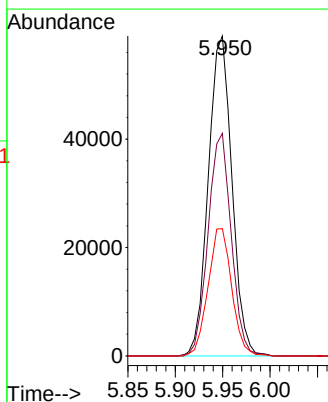
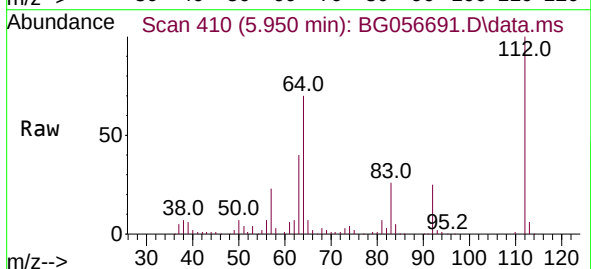
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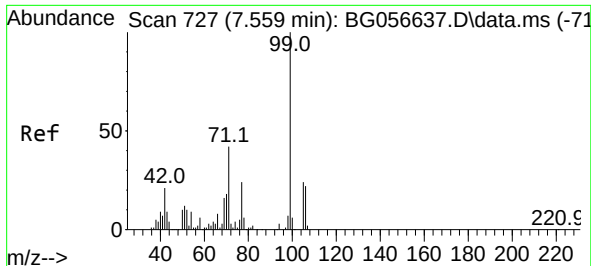
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#5
2-Fluorophenol
Concen: 68.799 ng
RT: 5.950 min Scan# 410
Delta R.T. 0.012 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

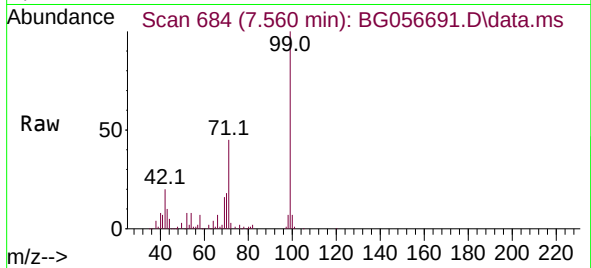
Tgt Ion:112 Resp: 102293
Ion Ratio Lower Upper
112 100
64 69.5 52.6 78.8
63 39.8 29.8 44.6





#7
Phenol-d6
Concen: 66.909 ng
RT: 7.560 min Scan# 68
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

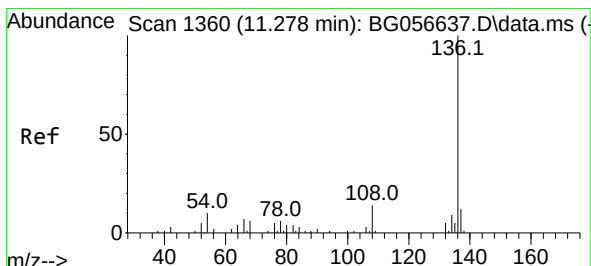
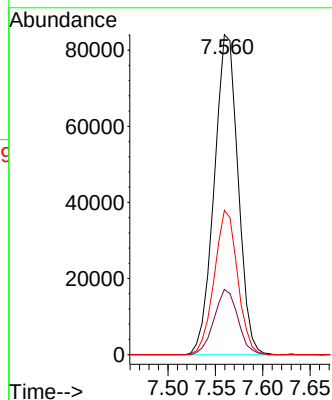
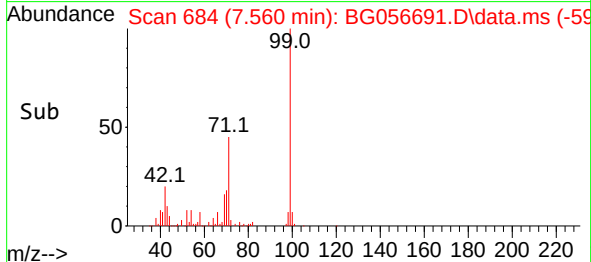
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023



Tgt Ion: 99 Resp: 14695
Ion Ratio Lower Upper
99 100
42 20.4 16.8 25.2
71 45.1 33.9 50.9

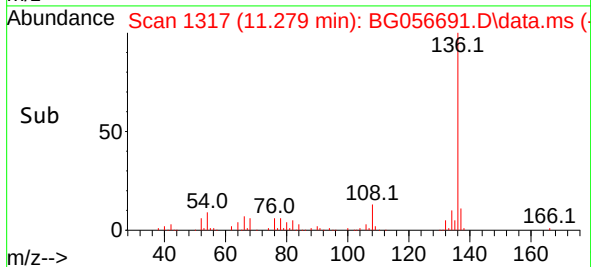
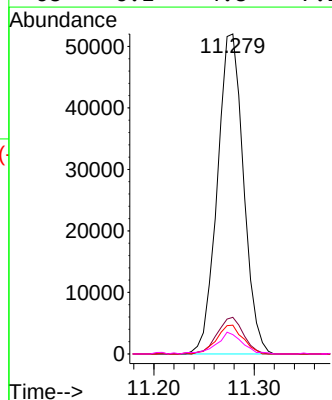
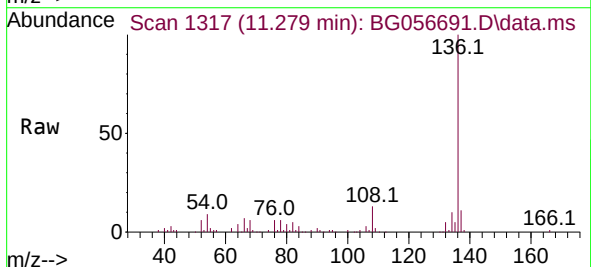
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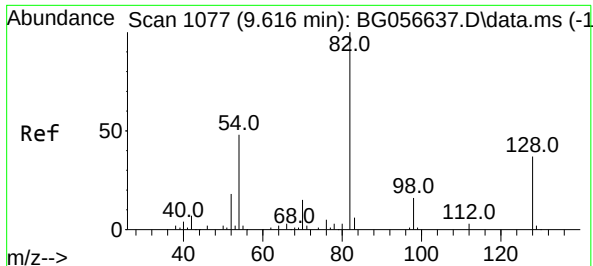
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.279 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:136 Resp: 94246
Ion Ratio Lower Upper
136 100
137 11.4 9.7 14.5
54 9.0 7.7 11.5
68 6.1 4.8 7.2





#23
Nitrobenzene-d5
Concen: 52.060 ng
RT: 9.610 min Scan# 1077
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Instrument :

BNA_G

ClientSampleId :

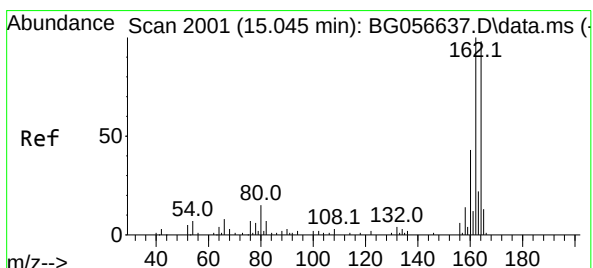
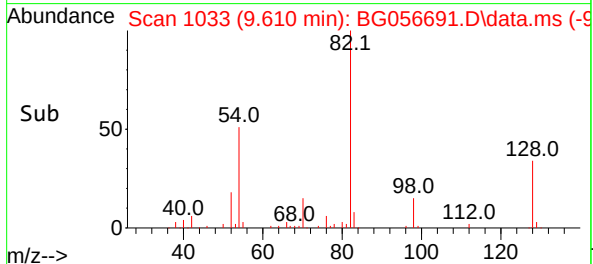
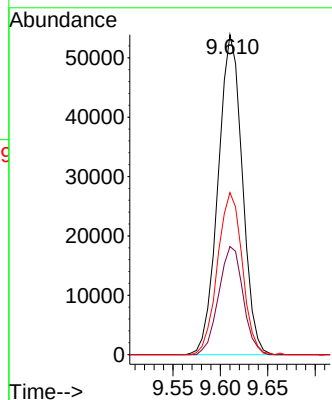
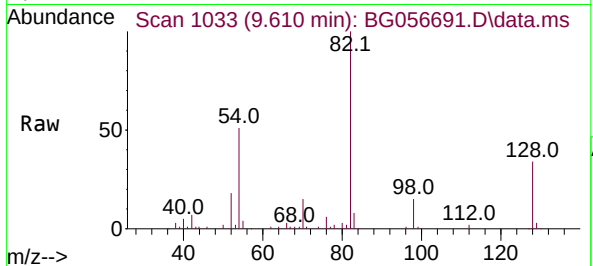
TR-04-02172023

Tgt Ion: 82 Resp: 95826
Ion Ratio Lower Upper
82 100
128 33.8 29.4 44.2
54 50.6 37.8 56.6

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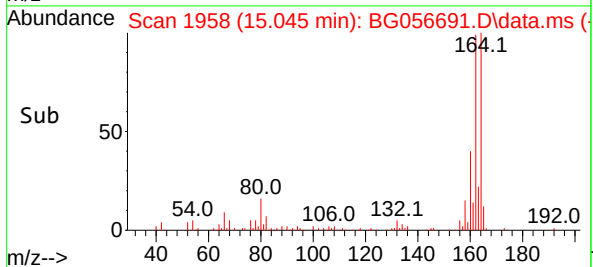
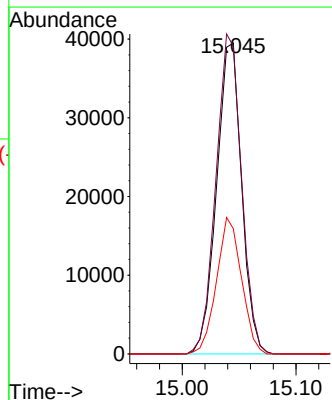
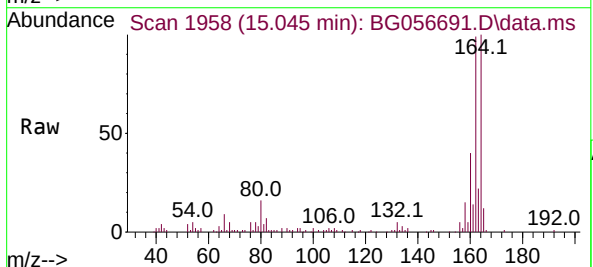
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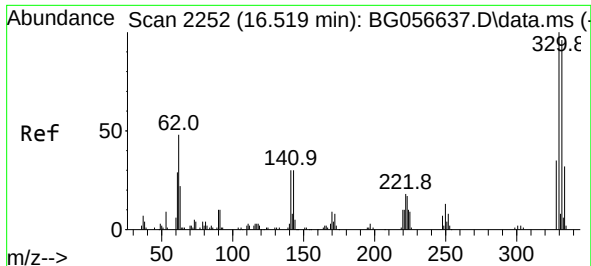
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.045 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:164 Resp: 60472
Ion Ratio Lower Upper
164 100
162 98.9 81.3 121.9
160 40.3 35.2 52.8





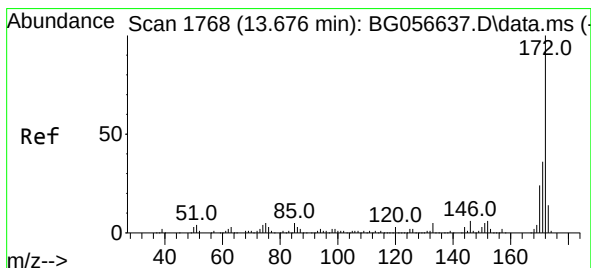
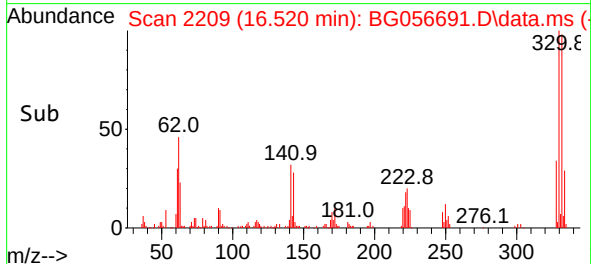
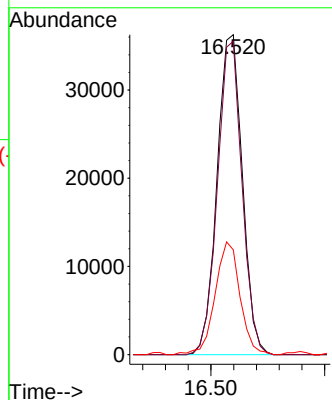
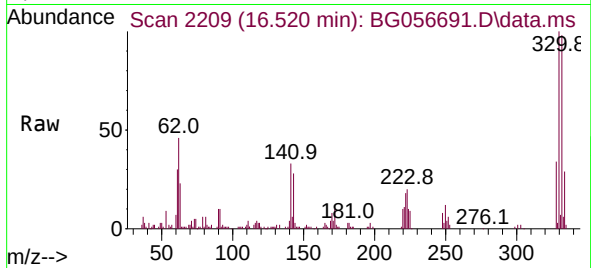
#42
2,4,6-Tribromophenol
Concen: 67.397 ng
RT: 16.520 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Instrument :
BNA_G
ClientSampleId :
TR-04-02172023

Tgt Ion:330 Resp: 55800
Ion Ratio Lower Upper
330 100
332 95.5 75.7 113.5
141 34.8 24.6 37.0

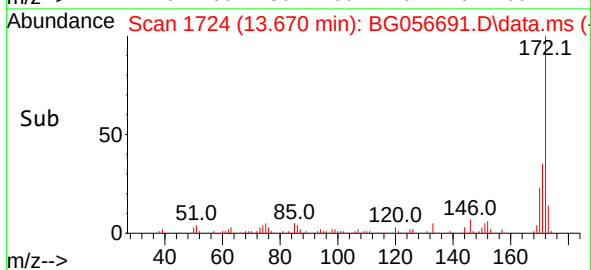
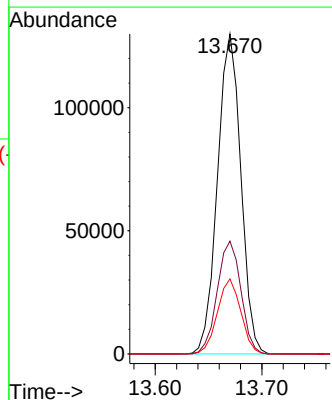
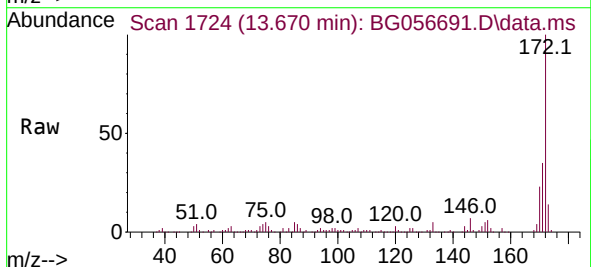
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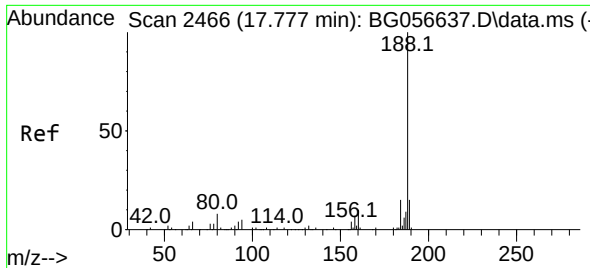
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#45
2-Fluorobiphenyl
Concen: 43.911 ng
RT: 13.670 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:172 Resp: 198301
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.4 19.4 29.0





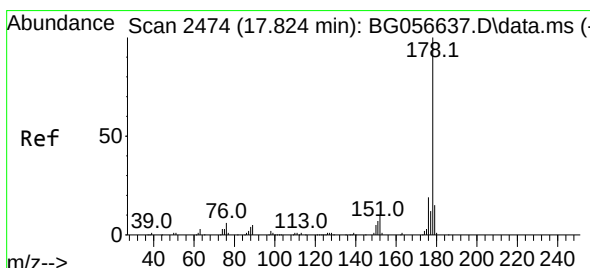
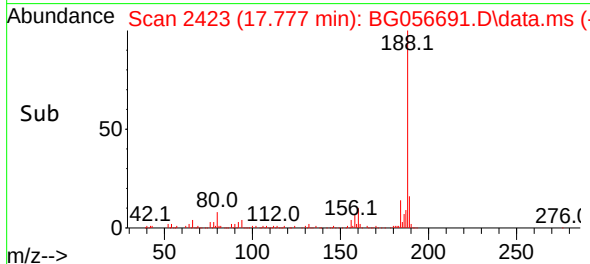
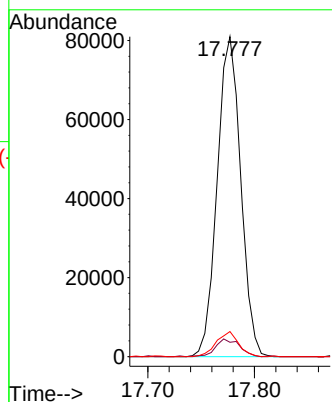
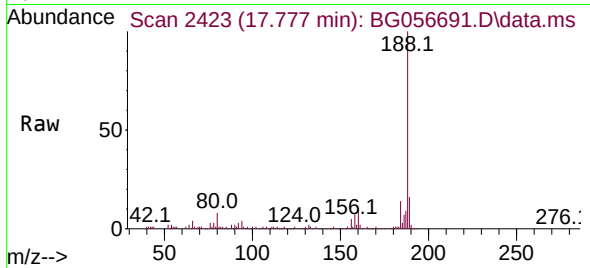
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.777 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Instrument :
BNA_G
ClientSampleId :
TR-04-02172023

Tgt Ion:188 Resp: 124345
Ion Ratio Lower Upper
188 100
94 4.5 4.0 6.0
80 7.8 6.3 9.5

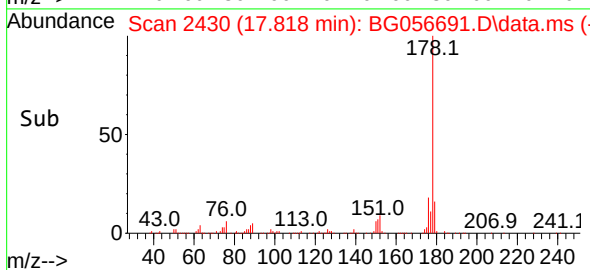
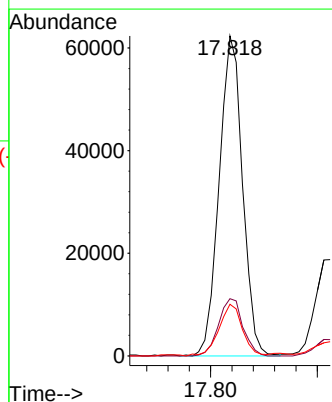
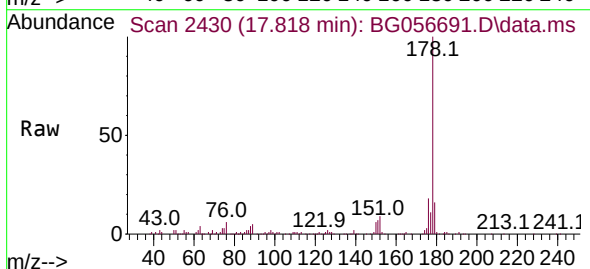
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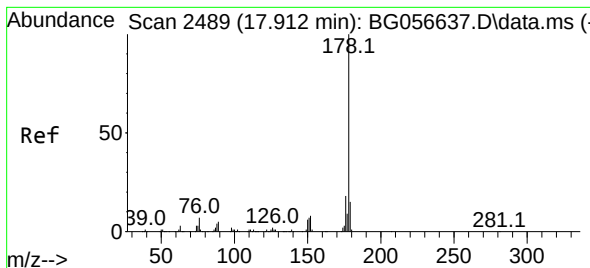
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#71
Phenanthrene
Concen: 14.043 ng
RT: 17.818 min Scan# 2430
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:178 Resp: 94998
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 16.1 12.2 18.4





#72

Anthracene

Concen: 4.067 ng

RT: 17.912 min Scan# 24

Delta R.T. 0.000 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

Instrument :

BNA_G

ClientSampleId :

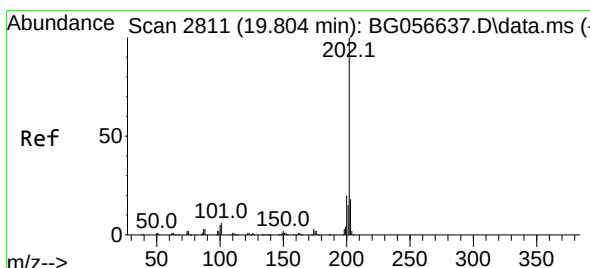
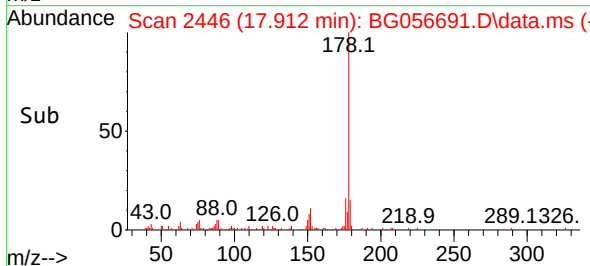
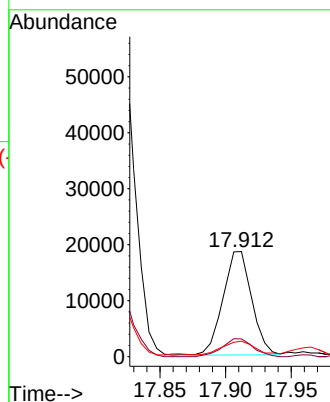
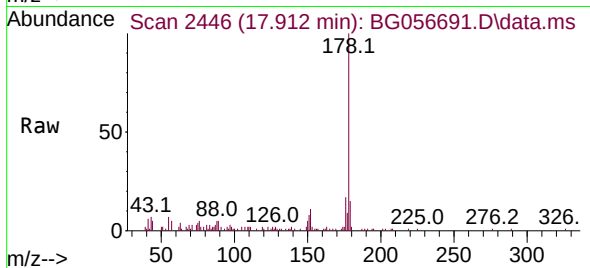
TR-04-02172023

Tgt Ion:178 Resp: 28156
 Ion Ratio Lower Upper
 178 100
 176 16.8 14.3 21.5
 179 14.8 12.2 18.4

Manual Integrations

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 Supervised By :Jagrut Upadhyay 02/22/2023



#75

Fluoranthene

Concen: 19.539 ng

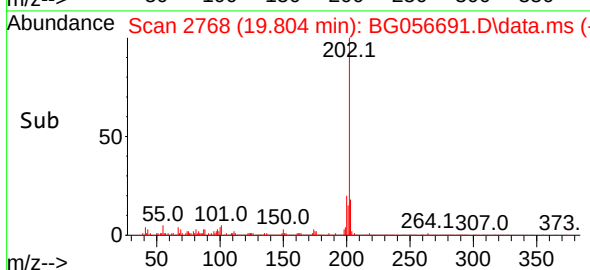
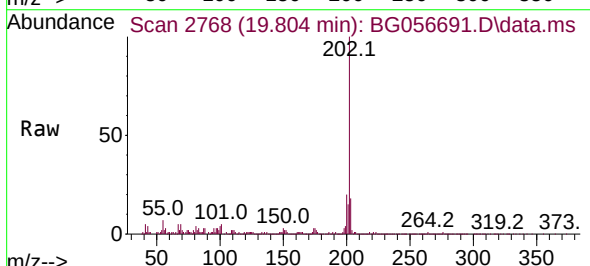
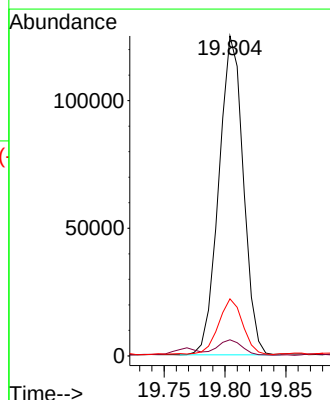
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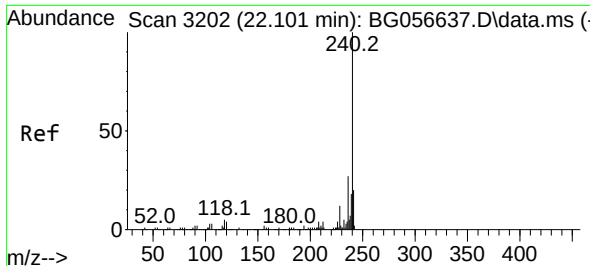
Delta R.T. 0.000 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

Tgt Ion:202 Resp: 174406
 Ion Ratio Lower Upper
 202 100
 101 5.0 0.0 25.8
 203 17.9 0.0 37.6





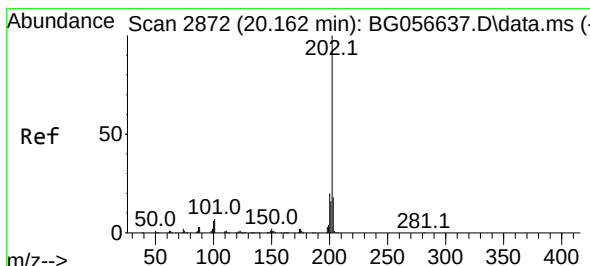
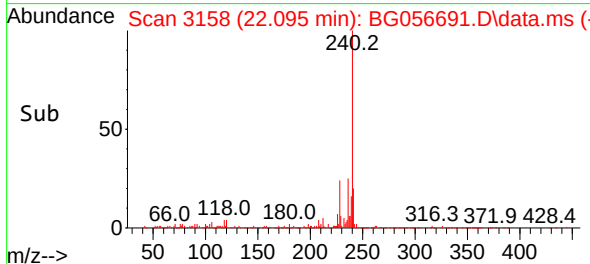
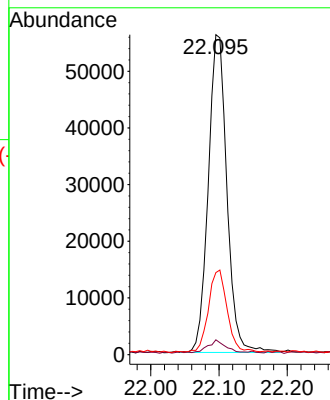
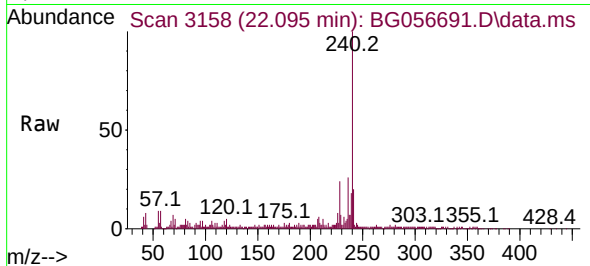
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.095 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Instrument :
BNA_G
ClientSampleId :
TR-04-02172023

Tgt Ion:240 Resp: 106160
Ion Ratio Lower Upper
240 100
120 4.6 3.5 5.3
236 25.6 21.5 32.3

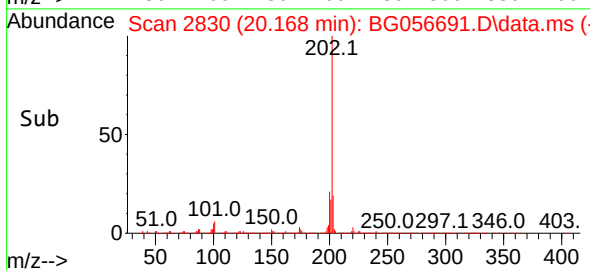
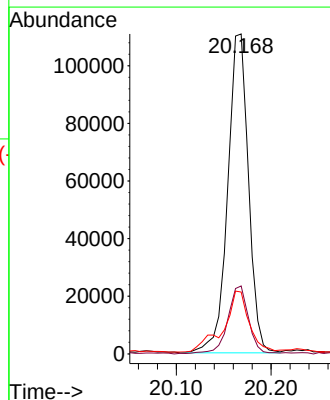
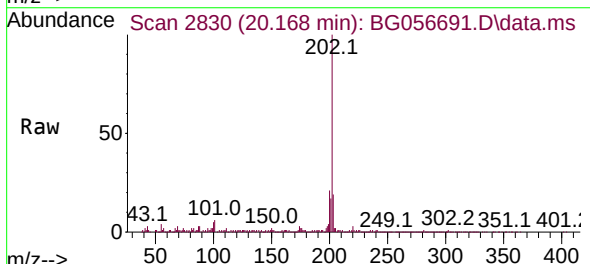
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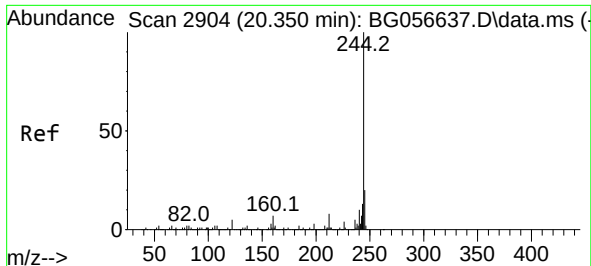
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#78
Pyrene
Concen: 21.026 ng
RT: 20.168 min Scan# 2830
Delta R.T. 0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

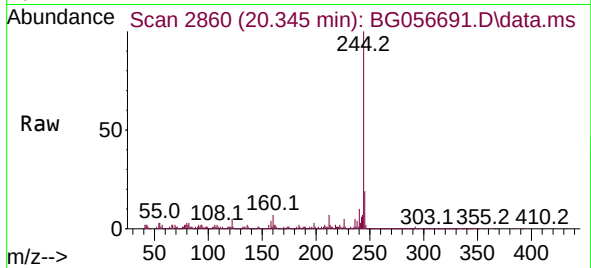
Tgt Ion:202 Resp: 168571
Ion Ratio Lower Upper
202 100
200 21.2 15.8 23.8
203 19.3 14.2 21.4





#79
Terphenyl-d14
Concen: 40.212 ng
RT: 20.345 min Scan# 2860
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

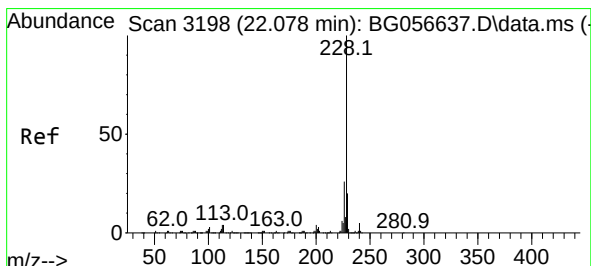
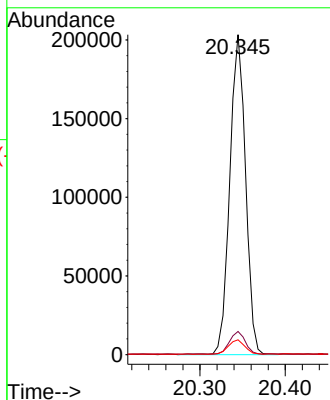
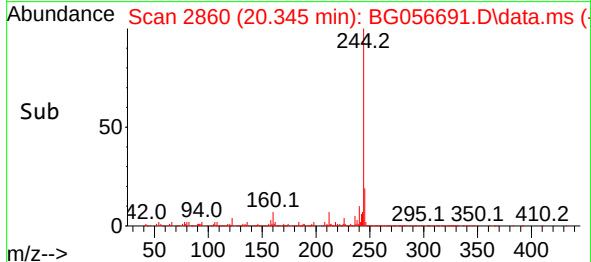
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023



Tgt Ion:244 Resp: 260917
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 4.6 3.8 5.8

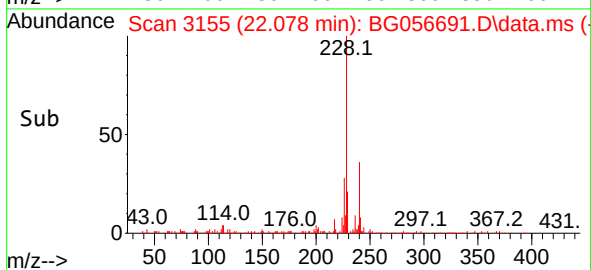
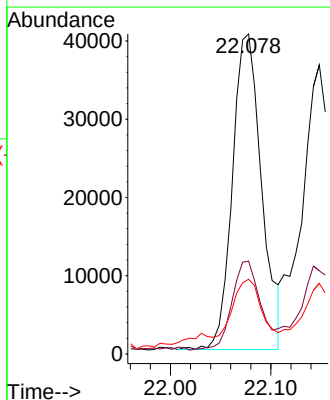
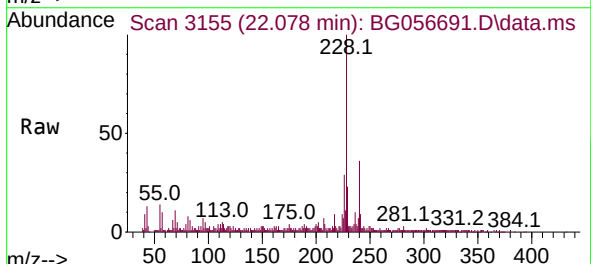
Manual Integrations
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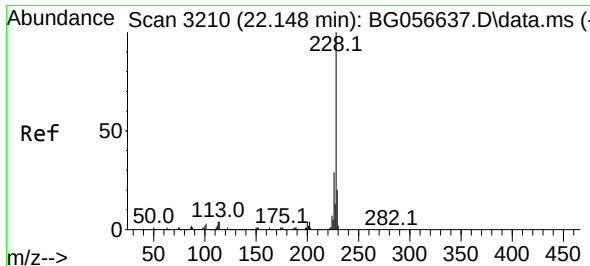
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#81
Benzo(a)anthracene
Concen: 10.317 ng
RT: 22.078 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

Tgt Ion:228 Resp: 81453
Ion Ratio Lower Upper
228 100
226 29.0 20.4 30.6
229 23.4 16.0 24.0





#83

Chrysene

Concen: 10.609 ng m

RT: 22.148 min Scan# 3167

Delta R.T. 0.000 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

Instrument :

BNA_G

ClientSampleId :

TR-04-02172023

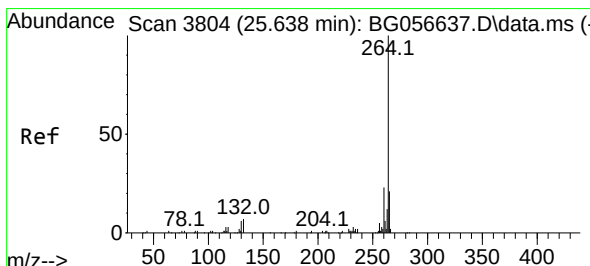
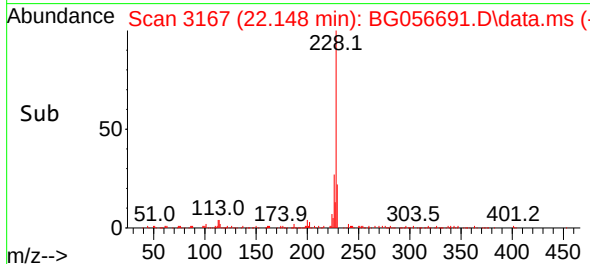
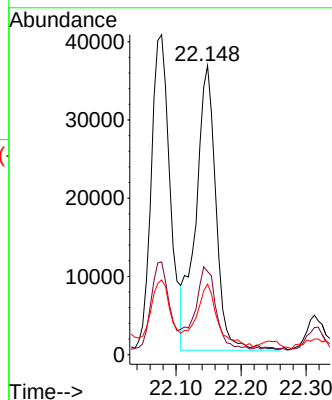
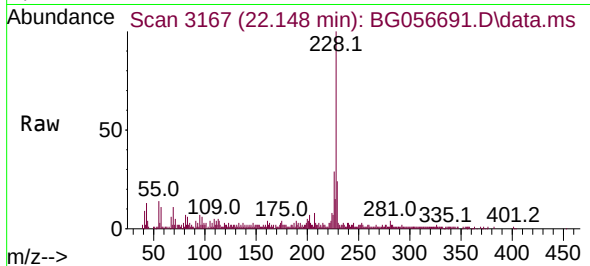
Tgt Ion:228	Resp:	78301
Ion Ratio	Lower	Upper
228	100	
226	28.7	23.0 34.6
229	24.4	15.8 23.8

Manual Integrations

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Reviewed By :Christian Giraldo 02/22/2023

Supervised By :Jagrut Upadhyay 02/22/2023



#86

Perylene-d12

Concen: 20.000 ng

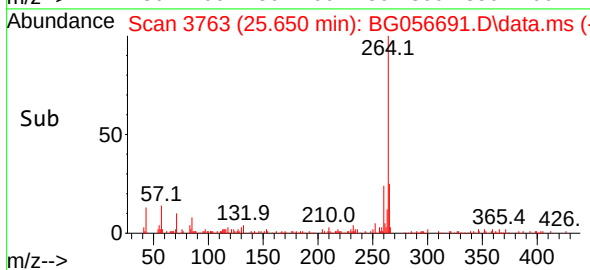
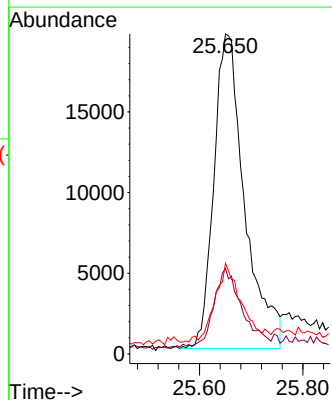
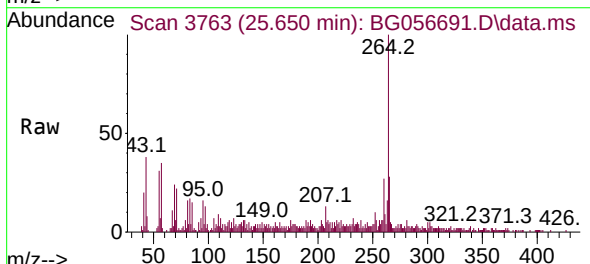
RT: 25.650 min Scan# 3763

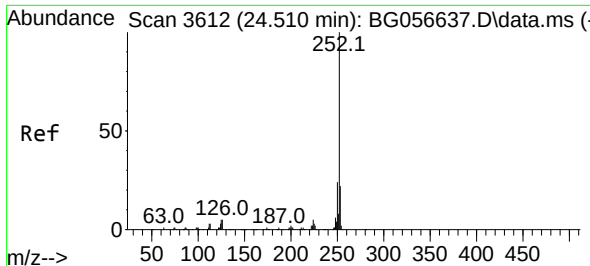
Delta R.T. 0.012 min

Lab File: BG056691.D

Acq: 21 Feb 2023 19:36

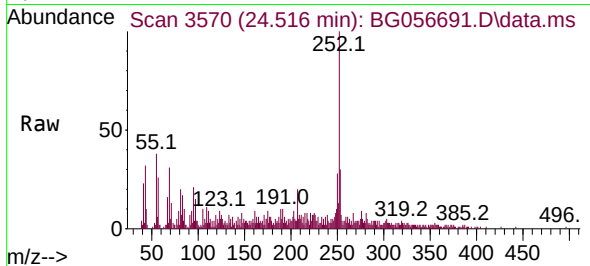
Tgt Ion:264	Resp:	80968
Ion Ratio	Lower	Upper
264	100	
260	26.7	18.6 27.8
265	28.3	17.0 25.4





#88
Benzo(b)fluoranthene
Concen: 11.595 ng
RT: 24.516 min Scan# 3570
Delta R.T. 0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36

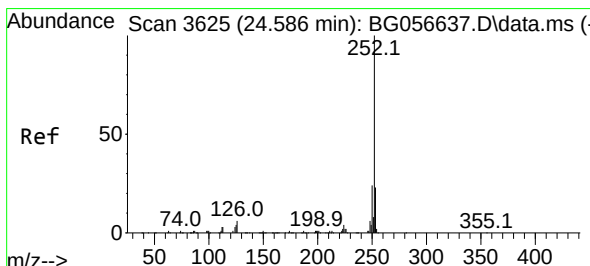
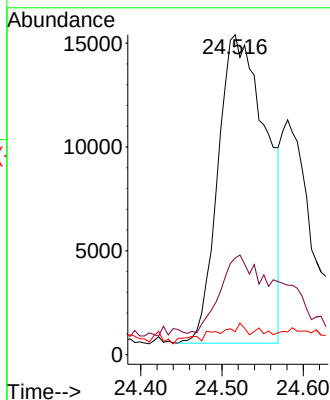
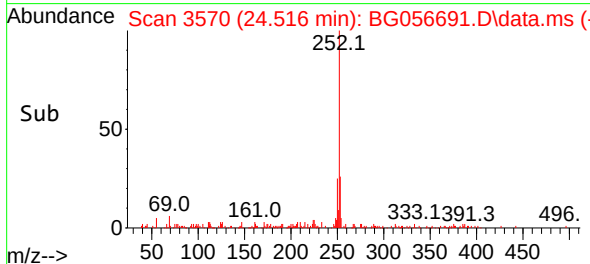
Instrument :
BNA_G
ClientSampleId :
TR-04-02172023



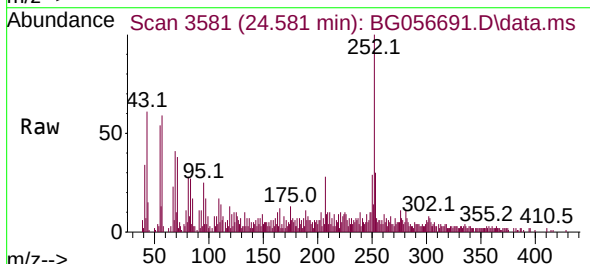
Tgt Ion:252 Resp: 61334
Ion Ratio Lower Upper
252 100
253 30.2 17.3 25.9#
125 7.2 3.7 5.5#

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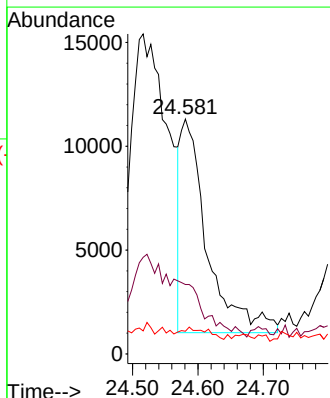
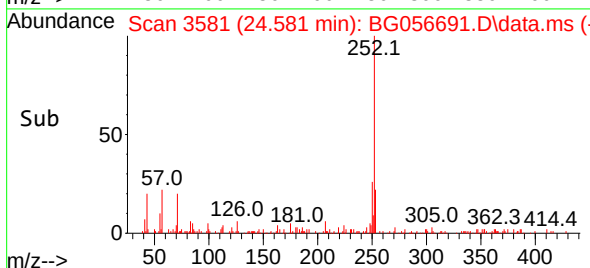
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

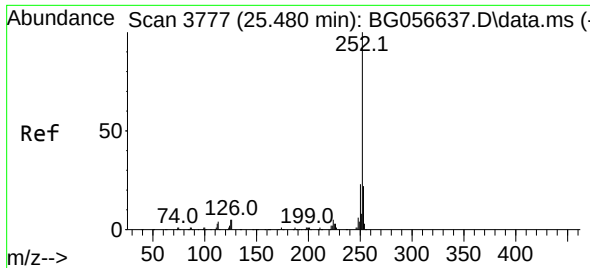


#89
Benzo(k)fluoranthene
Concen: 5.598 ng m
RT: 24.581 min Scan# 3581
Delta R.T. -0.006 min
Lab File: BG056691.D
Acq: 21 Feb 2023 19:36



Tgt Ion:252 Resp: 29122
Ion Ratio Lower Upper
252 100
253 29.5 18.5 27.7#
125 9.7 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 7.792 ng m

RT: 25.480 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG056691.D

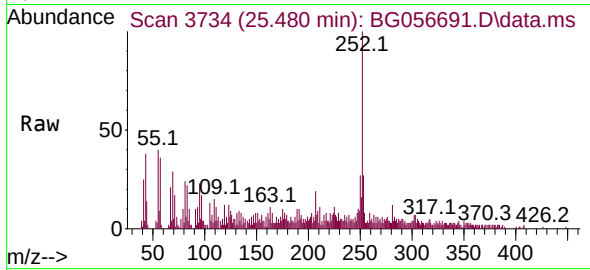
Acq: 21 Feb 2023 19:36

Instrument :

BNA_G

ClientSampleId :

TR-04-02172023



Tgt Ion:252 Resp: 3962

Ion Ratio Lower Upper

252 100

253 27.1 17.9 26.9

125 8.5 4.0 6.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/22/2023

Supervised By :Jagrut Upadhyay 02/22/2023

