

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056547.D
 Acq On : 3 Feb 2023 20:37
 Operator : CG/JU
 Sample : 01413-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-5-020223

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/06/2023
 Supervised By : Jagrut Upadhyay 02/06/2023

Quant Time: Feb 04 05:14:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	54270	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	185311	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	126398	20.000	ng	0.00
64) Phenanthrene-d10	17.636	188	281181	20.000	ng	0.00
76) Chrysene-d12	21.925	240	282833	20.000	ng	0.00
86) Perylene-d12	25.350	264	297662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	137556	46.627	ng	0.00
7) Phenol-d6	7.418	99	184357	42.176	ng	0.00
23) Nitrobenzene-d5	9.445	82	96502	29.571	ng	-0.01
42) 2,4,6-Tribromophenol	16.378	330	65067	38.721	ng	0.00
45) 2-Fluorobiphenyl	13.517	172	265530	29.125	ng	0.00
79) Terphenyl-d14	20.209	244	437072	27.142	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.741	142	20536	2.547	ng	96
71) Phenanthrene	17.677	178	73690	5.007	ng	98
75) Fluoranthene	19.669	202	125874	6.777	ng	99
78) Pyrene	20.033	202	124262	6.177	ng	98
81) Benzo(a)anthracene	21.901	228	42925	2.171	ng	97
83) Chrysene	21.972	228	44309m	2.385	ng	
88) Benzo(b)fluoranthene	24.251	252	40640	2.200	ng	# 74

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

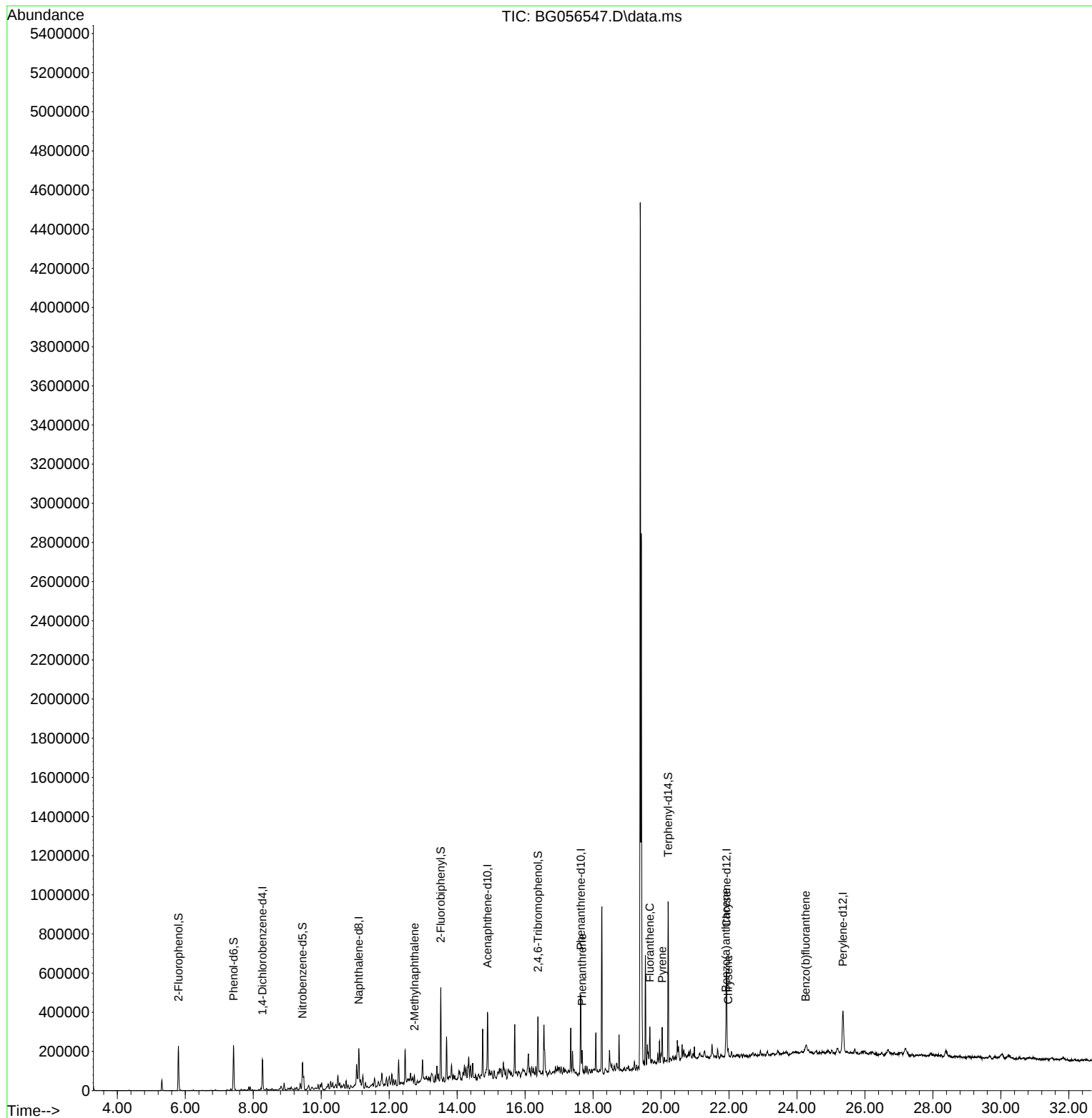
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056547.D
Acq On : 3 Feb 2023 20:37
Operator : CG/JU
Sample : 01413-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

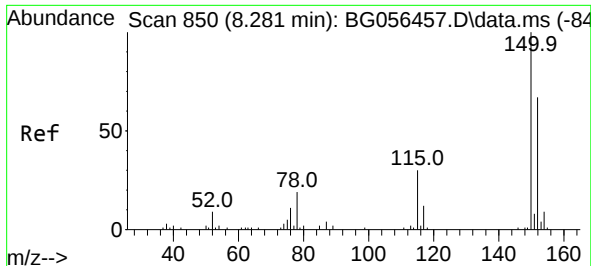
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Feb 04 05:14:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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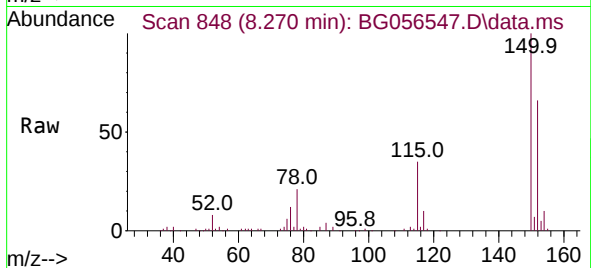
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Supervised By : Jagrut Upadhyay 02/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

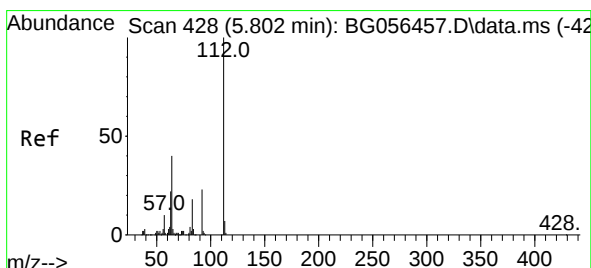
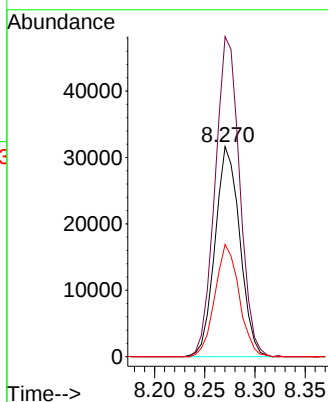
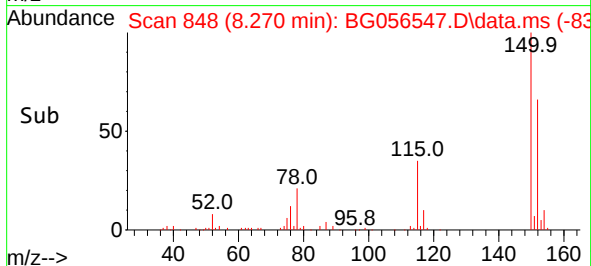
Instrument :
BNA_G
ClientSampleId :
TR-5-020223



Tgt Ion:152 Resp: 54270
Ion Ratio Lower Upper
152 100
150 152.4 120.2 180.4
115 53.4 36.3 54.5

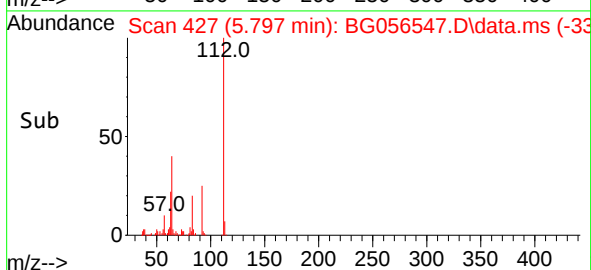
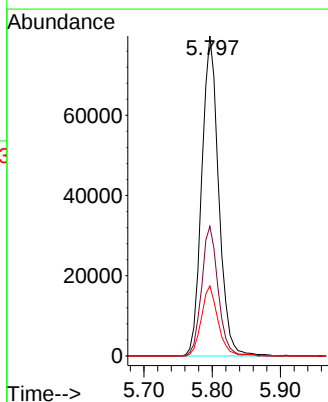
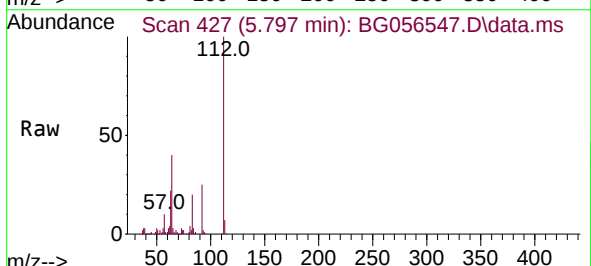
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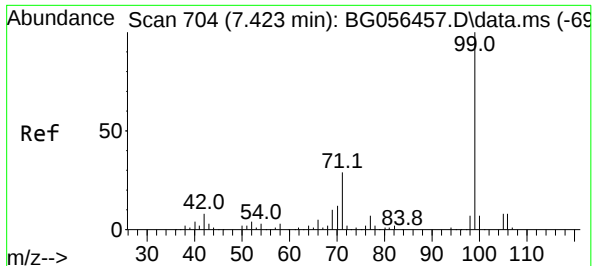
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#5
2-Fluorophenol
Concen: 46.627 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

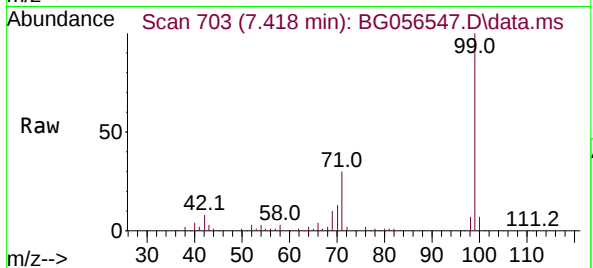
Tgt Ion:112 Resp: 137556
Ion Ratio Lower Upper
112 100
64 40.5 31.9 47.9
63 21.9 17.4 26.0





#7
Phenol-d6
Concen: 42.176 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

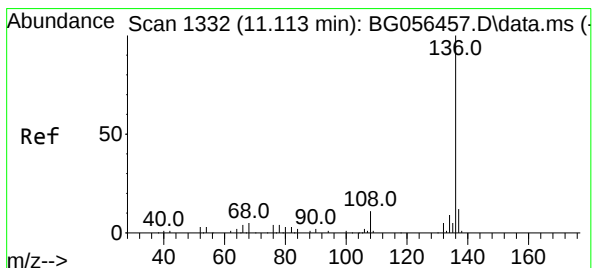
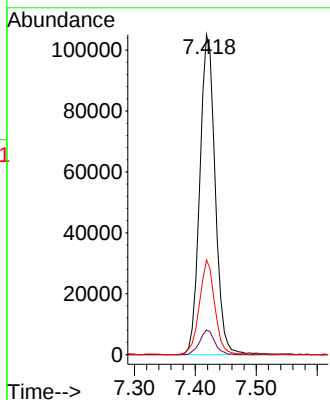
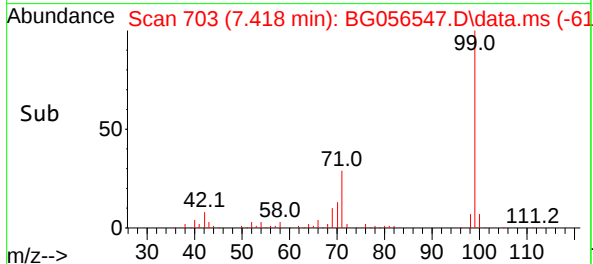
Instrument :
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ClientSampleId :
TR-5-020223



Tgt Ion: 99 Resp: 184352
Ion Ratio Lower Upper
99 100
42 7.7 6.6 10.0
71 29.6 23.4 35.0

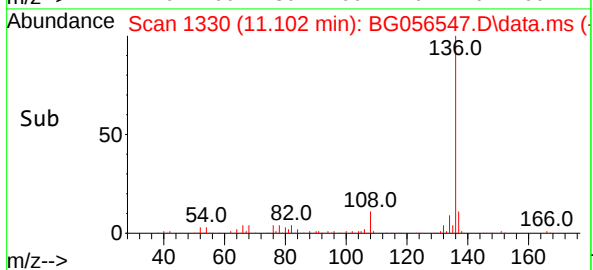
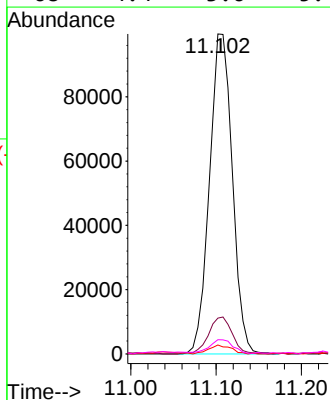
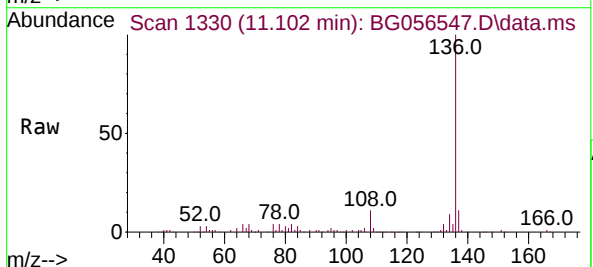
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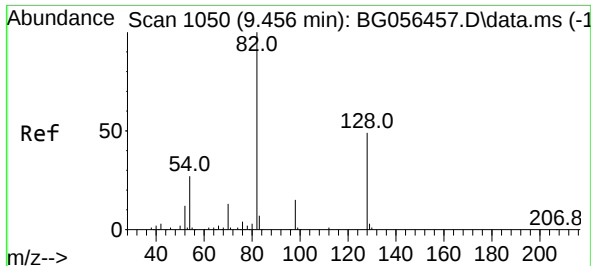
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. -0.005 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Tgt Ion:136 Resp: 185311
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.0
54 2.8 2.2 3.4
68 4.4 3.6 5.4





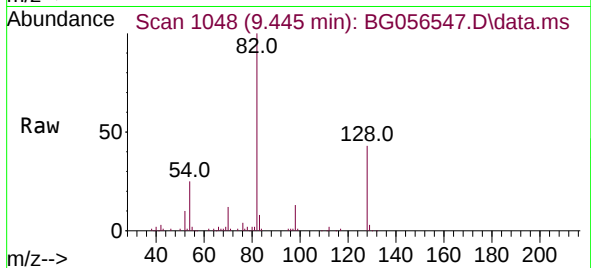
#23
Nitrobenzene-d5
Concen: 29.571 ng
RT: 9.445 min Scan# 1048
Delta R.T. -0.011 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

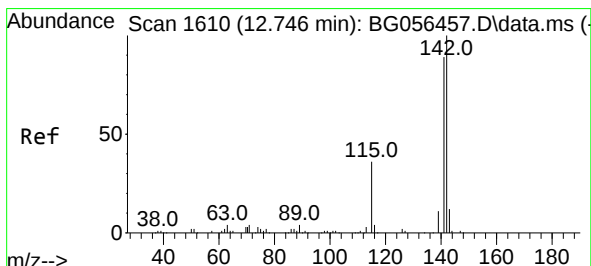
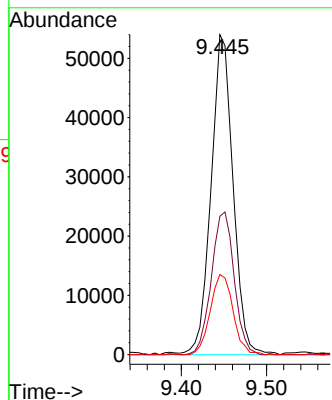
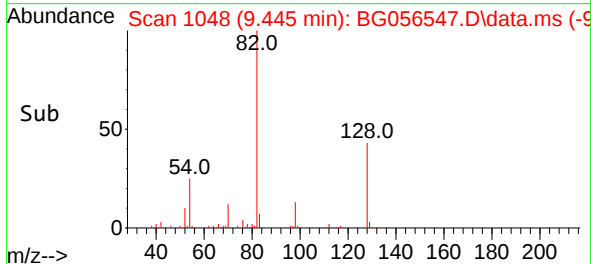


Tgt Ion: 82 Resp: 96502
Ion Ratio Lower Upper
82 100
128 43.2 39.4 59.2
54 25.0 21.4 32.2

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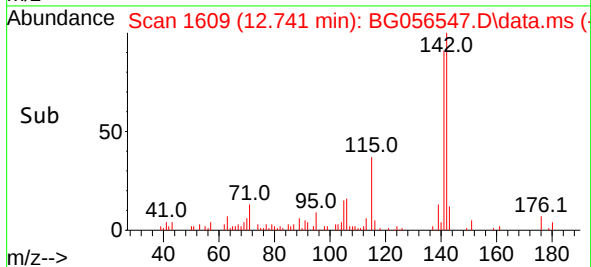
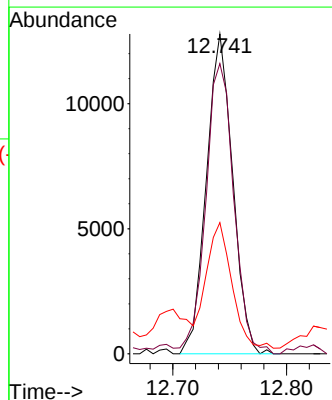
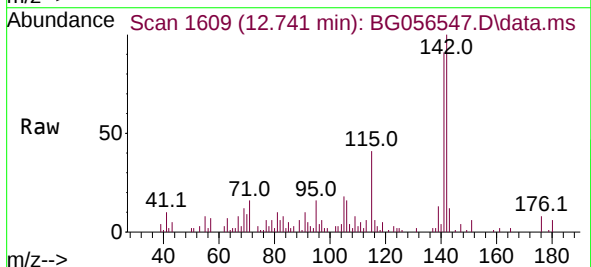
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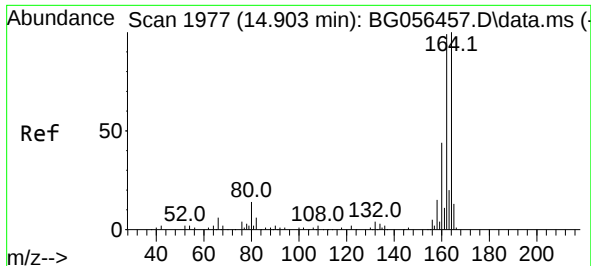
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#37
2-Methylnaphthalene
Concen: 2.547 ng
RT: 12.741 min Scan# 1609
Delta R.T. -0.005 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Tgt Ion:142 Resp: 20536
Ion Ratio Lower Upper
142 100
141 90.7 71.4 107.0
115 41.0 28.4 42.6





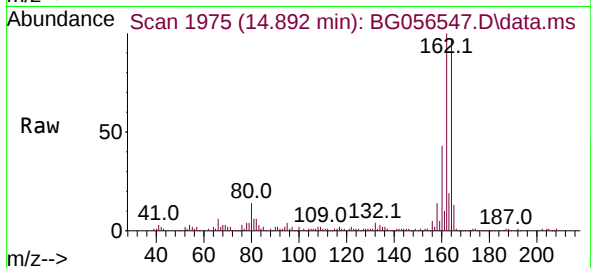
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.892 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

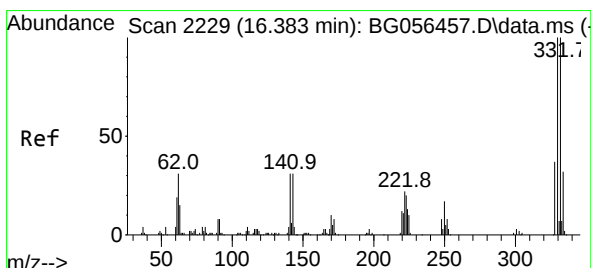
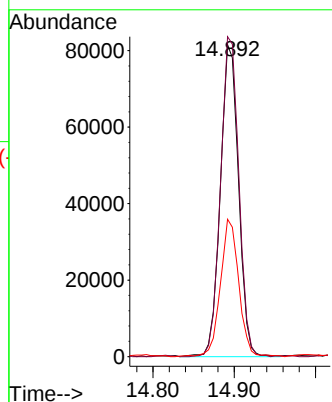
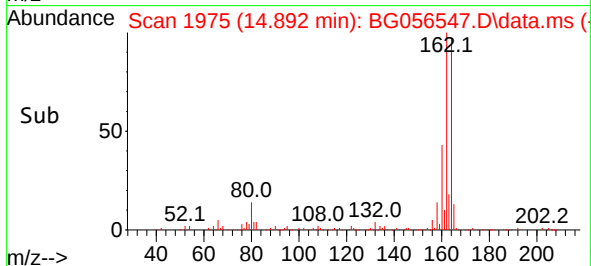


Tgt Ion:164 Resp: 126398
Ion Ratio Lower Upper
164 100
162 102.6 79.6 119.4
160 44.0 34.9 52.3

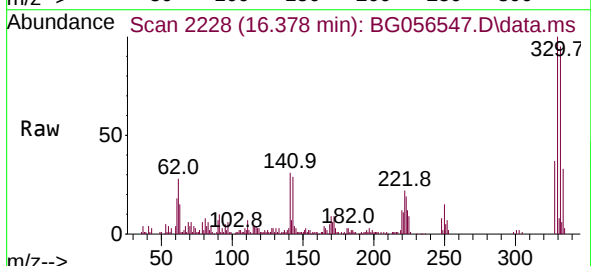
Manual Integrations

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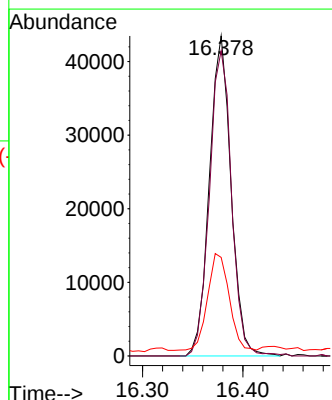
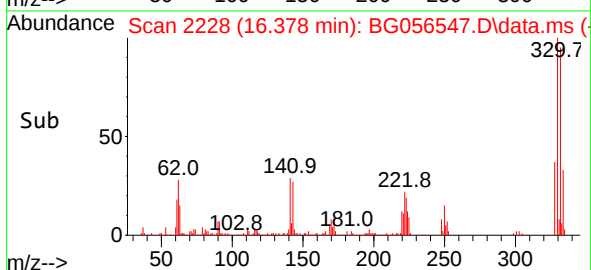
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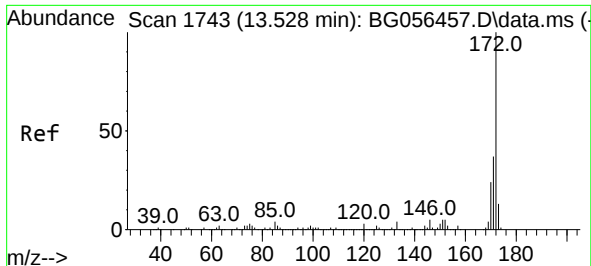


#42
2,4,6-Tribromophenol
Concen: 38.721 ng
RT: 16.378 min Scan# 2228
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37



Tgt Ion:330 Resp: 65067
Ion Ratio Lower Upper
330 100
332 97.3 79.0 118.6
141 30.9 24.2 36.4





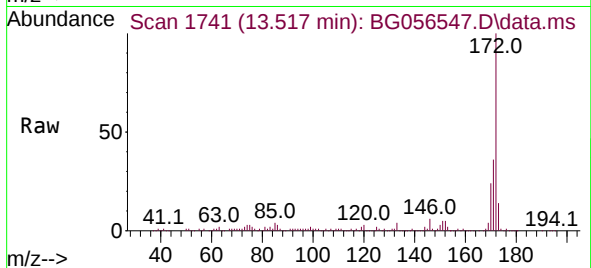
#45
2-Fluorobiphenyl
Concen: 29.125 ng
RT: 13.517 min Scan# 1741
Delta R.T. -0.005 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

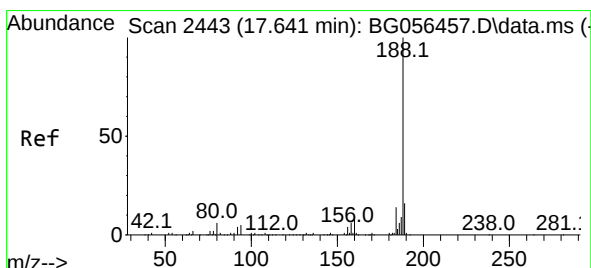
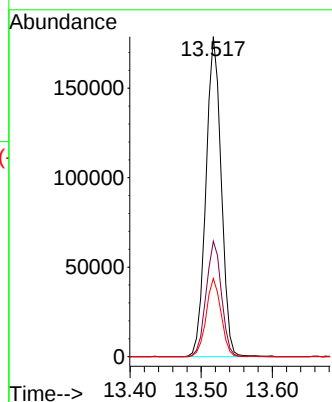
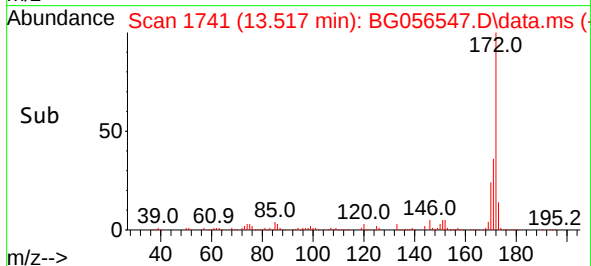


Tgt Ion:172 Resp: 265536
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 24.4 19.2 28.8

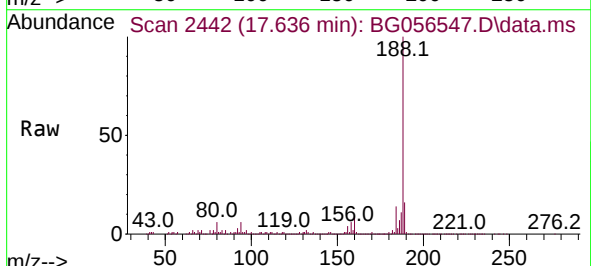
Manual Integrations

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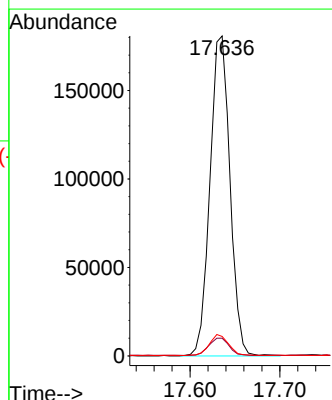
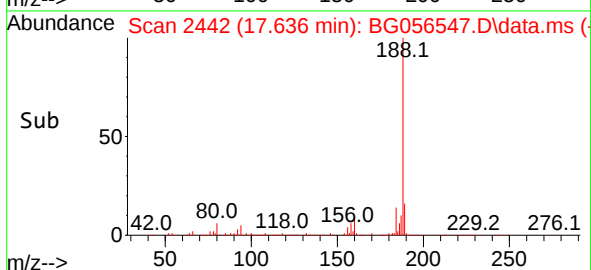
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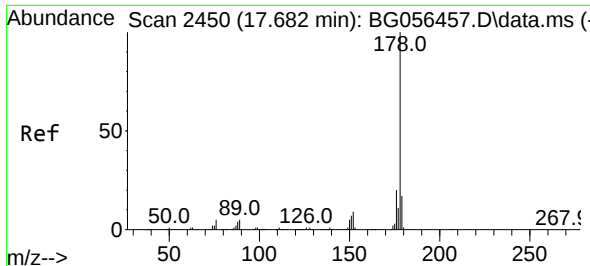


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.636 min Scan# 2442
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37



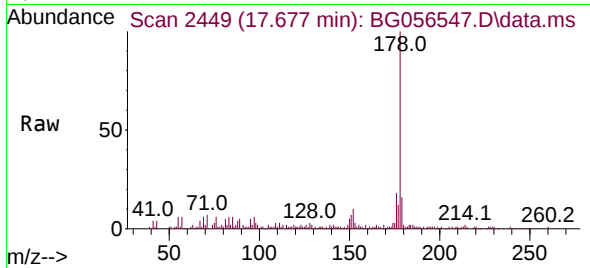
Tgt Ion:188 Resp: 281181
Ion Ratio Lower Upper
188 100
94 5.5 4.1 6.1
80 6.1 5.0 7.4





#71
Phenanthrene
Concen: 5.007 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

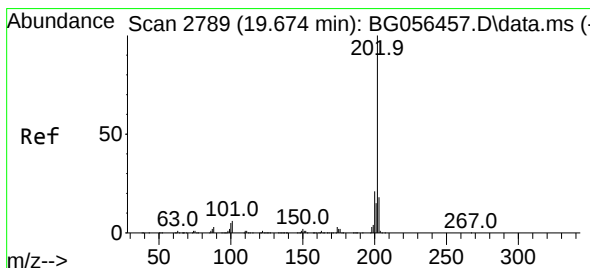
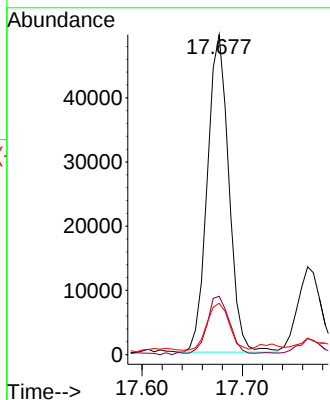
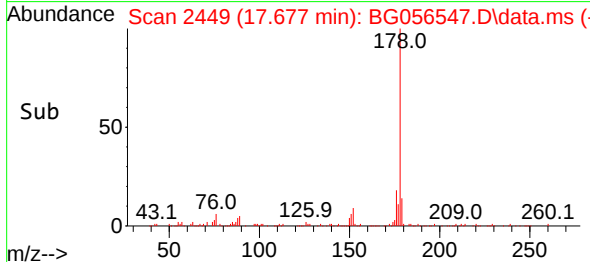
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BNA_G
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TR-5-020223



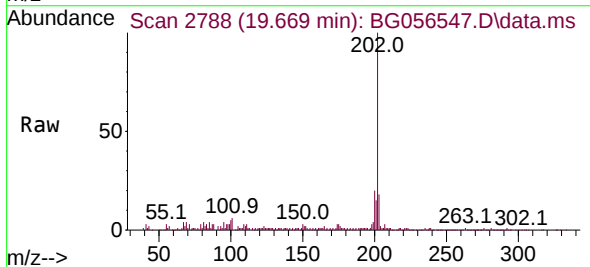
Tgt Ion:178 Resp: 73690
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 16.0 13.3 19.9

Manual Integrations
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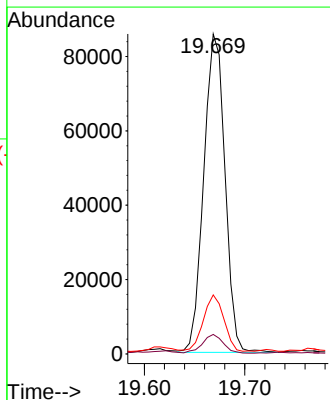
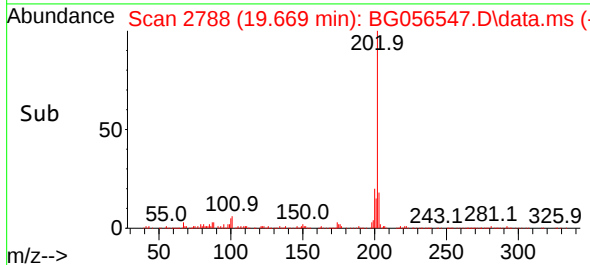
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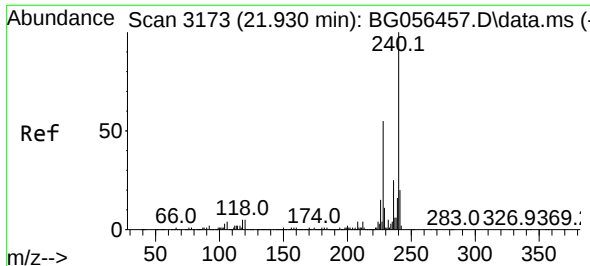


#75
Fluoranthene
Concen: 6.777 ng
RT: 19.669 min Scan# 2788
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37



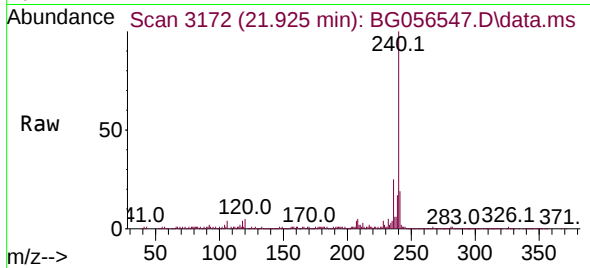
Tgt Ion:202 Resp: 125874
Ion Ratio Lower Upper
202 100
101 6.1 0.0 25.6
203 18.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

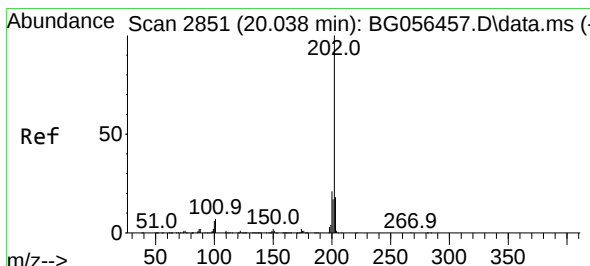
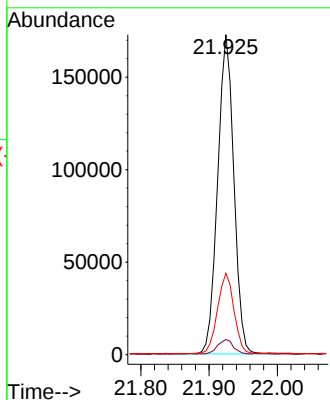
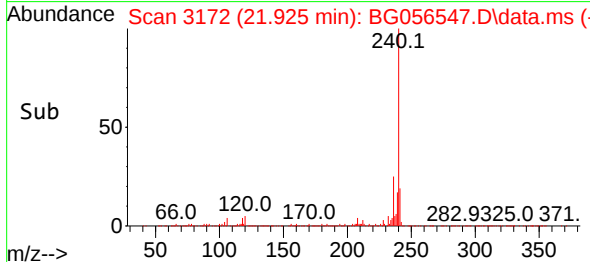
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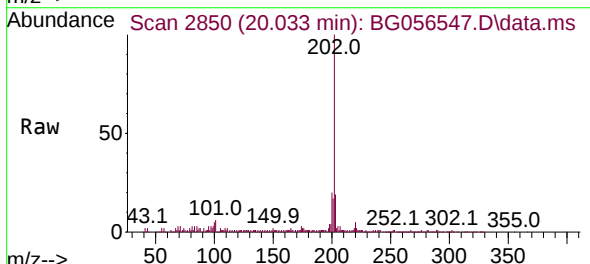
Tgt Ion:240 Resp: 282833
Ion Ratio Lower Upper
240 100
120 4.7 3.8 5.8
236 25.4 20.2 30.2

Manual Integrations
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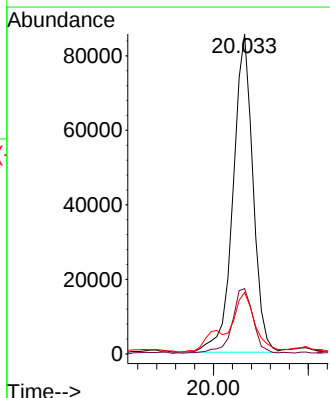
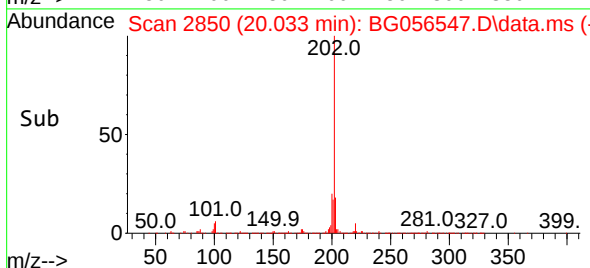
Reviewed By :Christian Giraldo 02/06/2023
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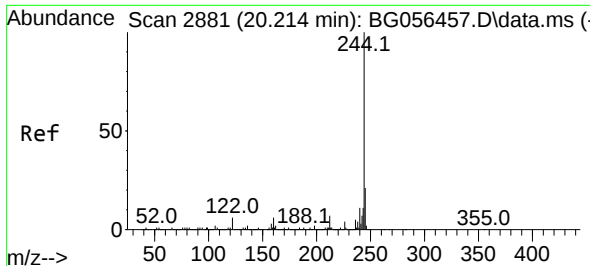


#78
Pyrene
Concen: 6.177 ng
RT: 20.033 min Scan# 2850
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37



Tgt Ion:202 Resp: 124262
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 19.2 14.4 21.6





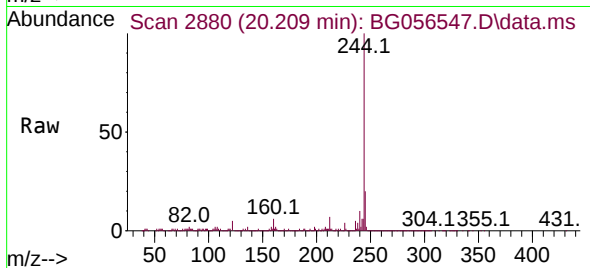
#79
Terphenyl-d14
Concen: 27.142 ng
RT: 20.209 min Scan# 2881
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

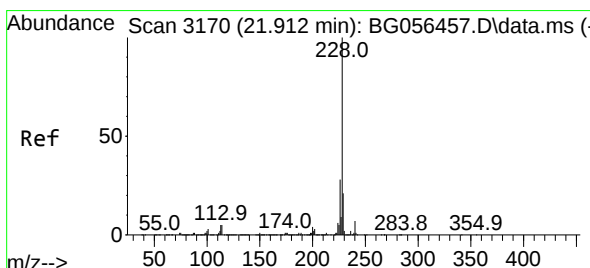
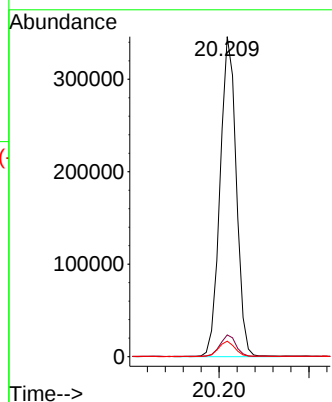
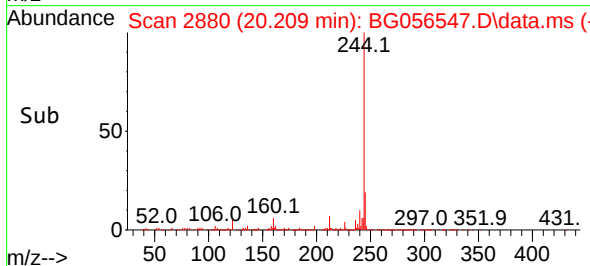


Tgt Ion:244 Resp: 437072
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 4.8 4.4 6.6

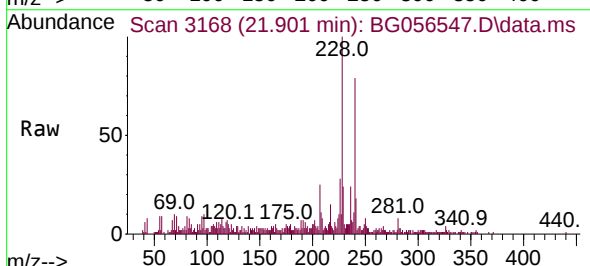
Manual Integrations

APPROVED

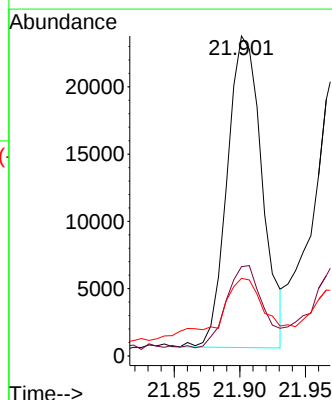
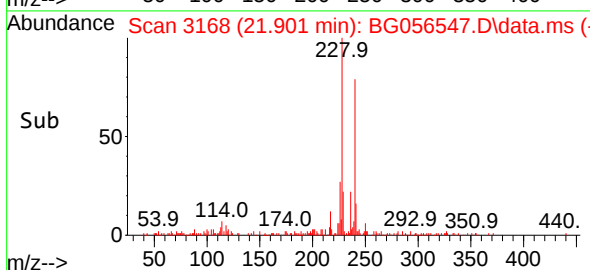
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

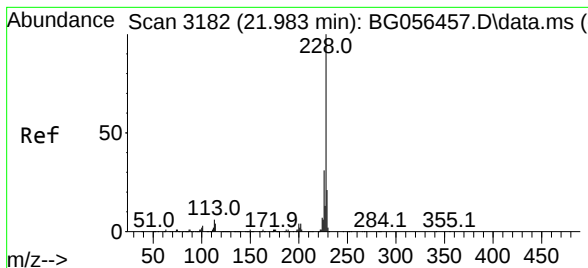


#81
Benzo(a)anthracene
Concen: 2.171 ng
RT: 21.901 min Scan# 3168
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37



Tgt Ion:228 Resp: 42925
Ion Ratio Lower Upper
228 100
226 27.9 22.4 33.6
229 24.2 16.5 24.7





#83

Chrysene

Concen: 2.385 ng m

RT: 21.972 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

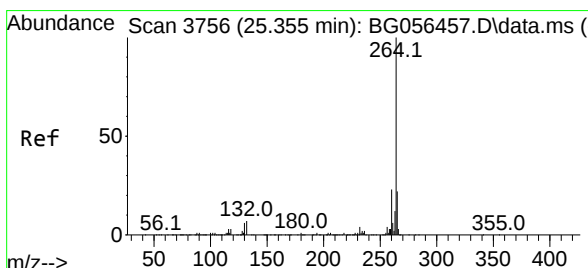
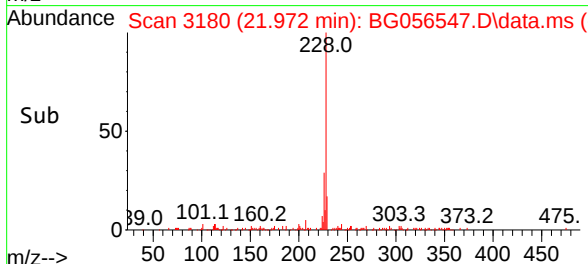
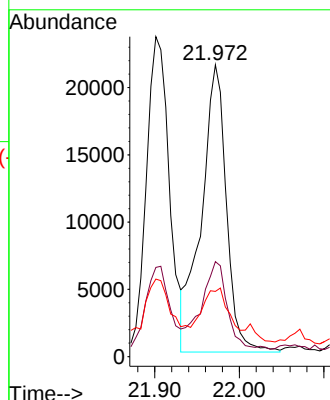
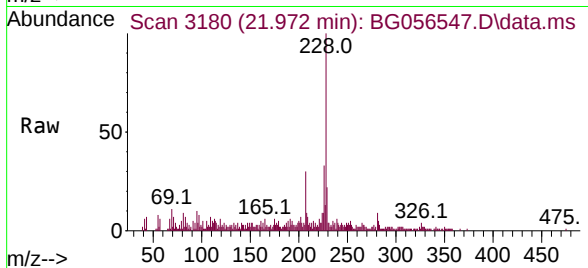
Tgt Ion:228 Resp: 44309

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.4
229	22.4	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.350 min Scan# 3755

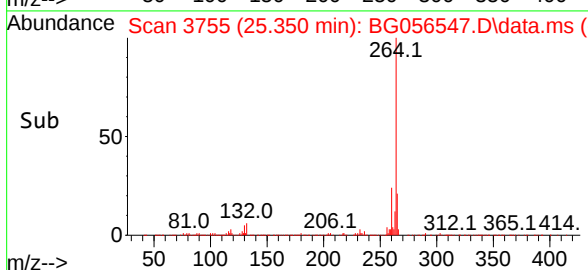
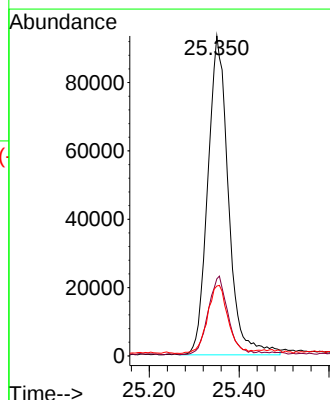
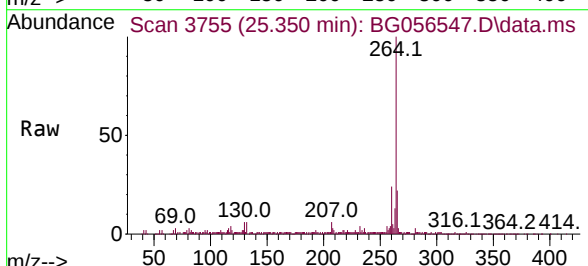
Delta R.T. 0.006 min

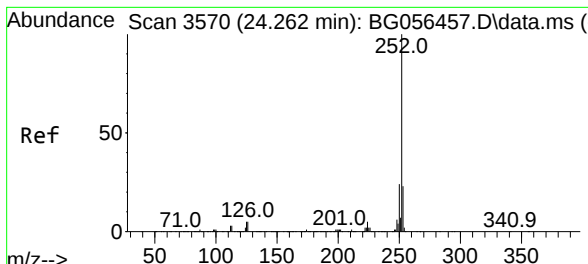
Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

Tgt Ion:264 Resp: 297662

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	21.8	18.1	27.1





#88

Benzo(b)fluoranthene

Concen: 2.200 ng

RT: 24.251 min Scan# 3568

Delta R.T. 0.001 min

Lab File: BG056547.D

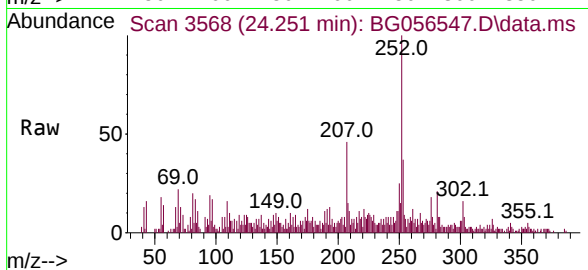
Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223



Tgt Ion:252 Resp: 40640

Ion Ratio Lower Upper

252 100

253 36.6 18.1 27.1

125 9.2 3.9 5.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/06/2023

Supervised By :Jagrut Upadhyay 02/06/2023

