

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042523\
 Data File : BG057184.D
 Acq On : 25 Apr 2023 20:03
 Operator : CG/JU
 Sample : 02386-03DL 100X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPA-1WC-23-04DL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023

Quant Time: Apr 26 00:25:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 04:59:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.386	152	16972	20.000	ng	0.00
21) Naphthalene-d8	11.224	136	68158	20.000	ng	0.00
39) Acenaphthene-d10	15.001	164	47110	20.000	ng	0.00
64) Phenanthrene-d10	17.738	188	102144	20.000	ng	# 0.00
76) Chrysene-d12	22.050	240	89492	20.000	ng	# 0.00
86) Perylene-d12	25.581	264	98210	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.907	112	655	0.699	ng	0.00
7) Phenol-d6	7.523	99	1226	0.905	ng	0.00
23) Nitrobenzene-d5	9.561	82	1061	0.770	ng	0.00
42) 2,4,6-Tribromophenol	16.481	330	235	0.378	ng	0.00
45) 2-Fluorobiphenyl	13.620	172	2285	0.652	ng	0.00
79) Terphenyl-d14	20.305	244	3544	0.693	ng	0.00
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	8.422	146	6364	5.433	ng	90
14) 1,2-Dichlorobenzene	8.745	146	7476	6.611	ng	100
30) 1,2,4-Trichlorobenzene	11.083	180	6070	4.483	ng	95
31) Naphthalene	11.276	128	12583	3.476	ng	98
37) 2-Methylnaphthalene	12.851	142	11367m	3.990	ng	
38) 1-Methylnaphthalene	13.068	142	6444m	2.450	ng	
46) 1,1'-Biphenyl	13.832	154	9746	2.775	ng	99
84) Bis(2-ethylhexyl)phtha...	21.880	149	144293	56.845	ng	98

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

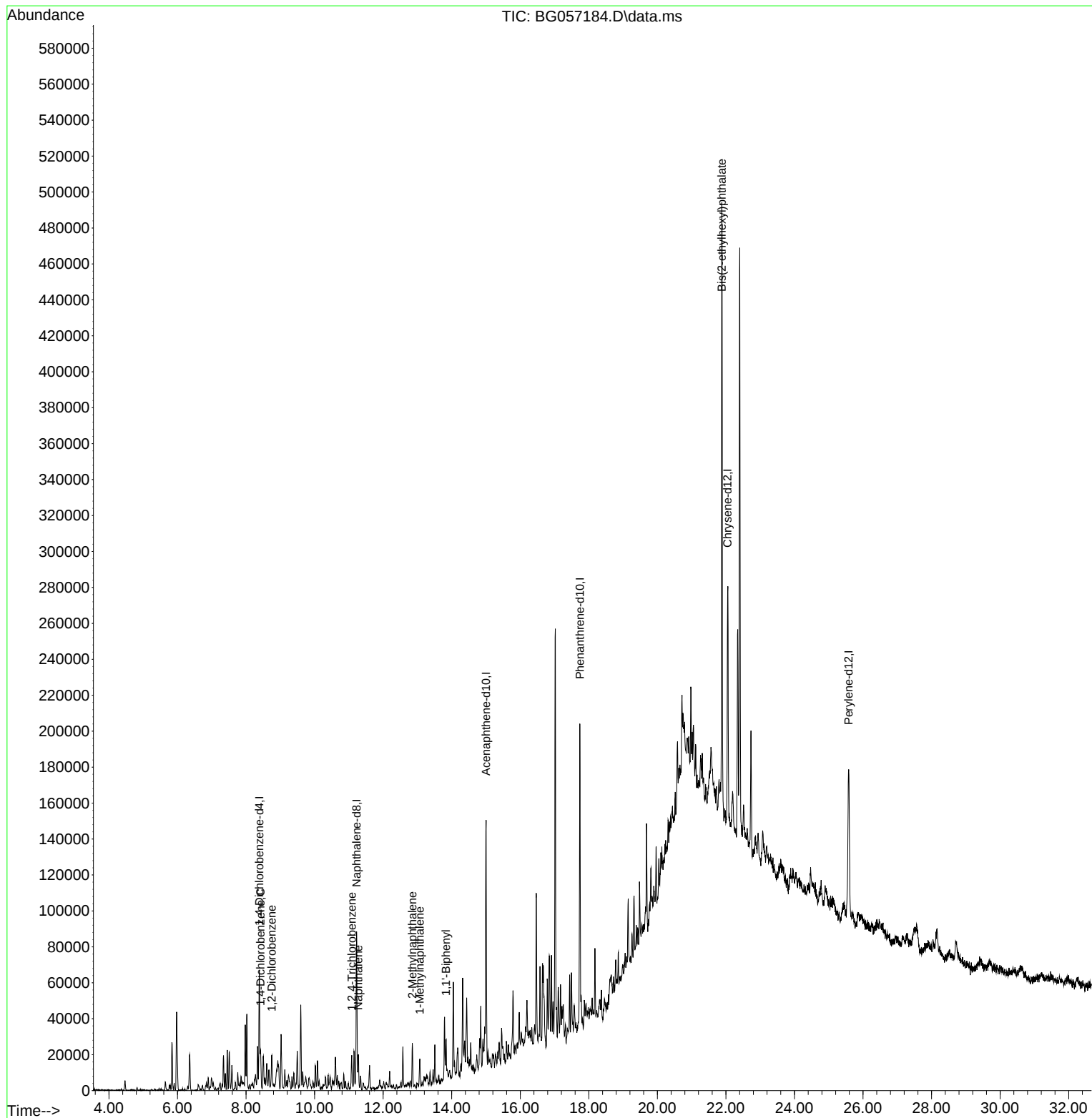
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042523\
Data File : BG057184.D
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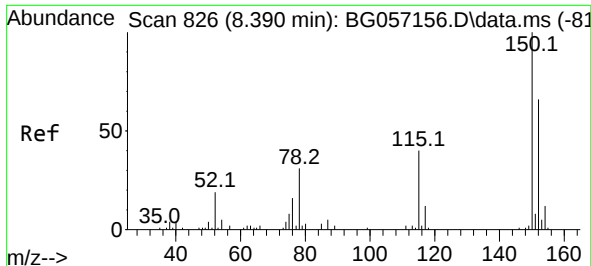
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Quant Time: Apr 26 00:25:07 2023
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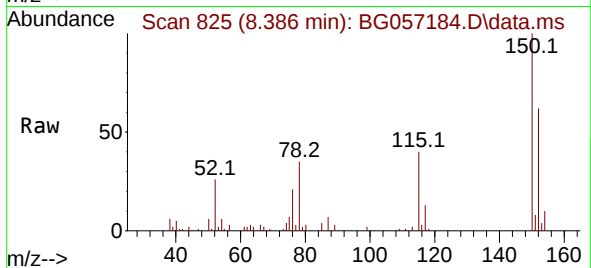
Reviewed By : Christian Giraldo 04/26/2023
Supervised By : Jagrut Upadhyay 04/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.386 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

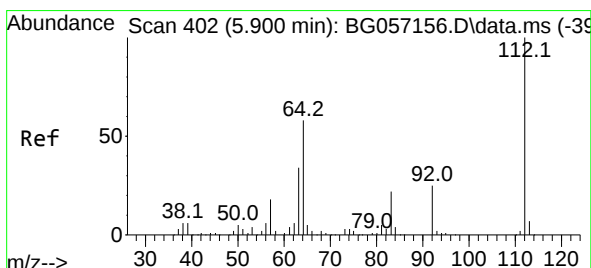
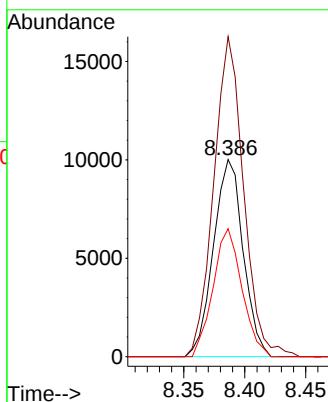
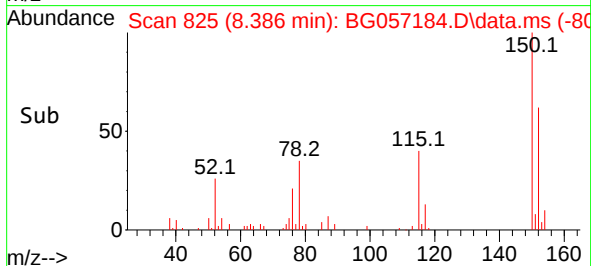
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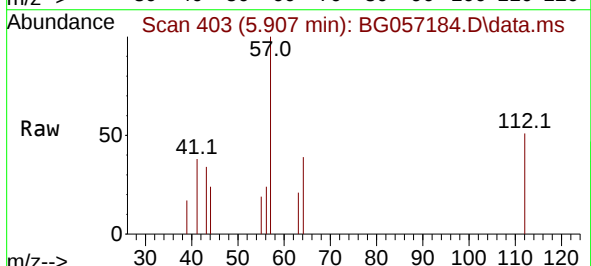
Tgt Ion:152 Resp: 1697
Ion Ratio Lower Upper
152 100
150 162.3 121.4 182.2
115 64.9 48.1 72.1

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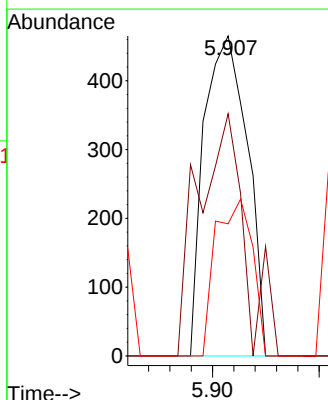
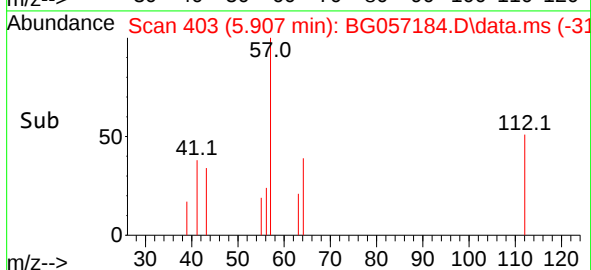
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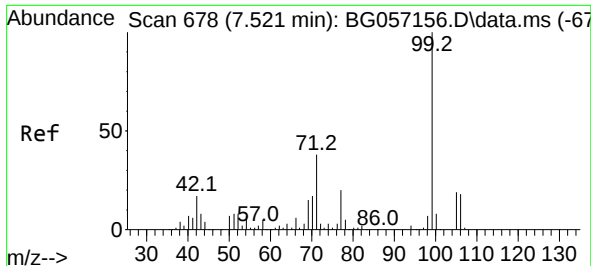


#5
2-Fluorophenol
Concen: 0.699 ng
RT: 5.907 min Scan# 403
Delta R.T. 0.008 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03



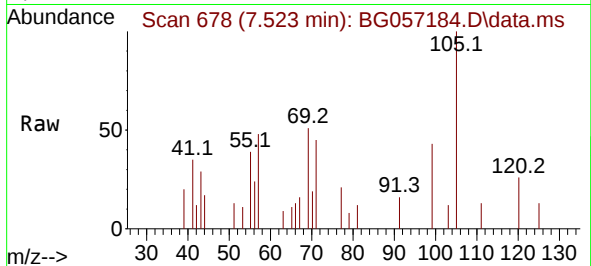
Tgt Ion:112 Resp: 655
Ion Ratio Lower Upper
112 100
64 75.7 46.7 70.1#
63 41.3 26.9 40.3#





#7
Phenol-d6
Concen: 0.905 ng
RT: 7.523 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

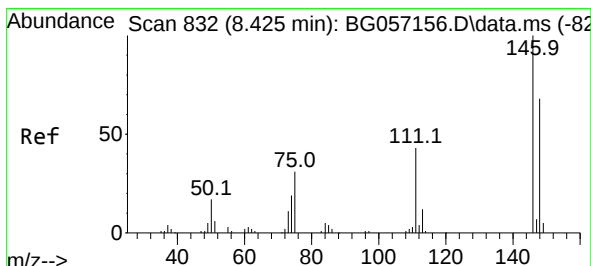
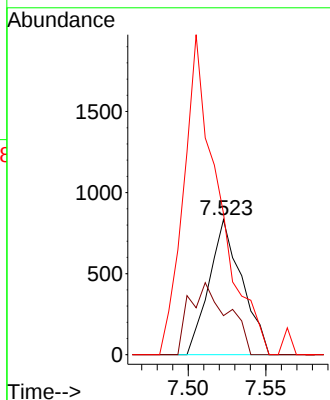
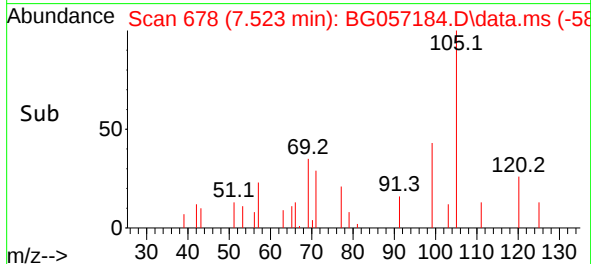
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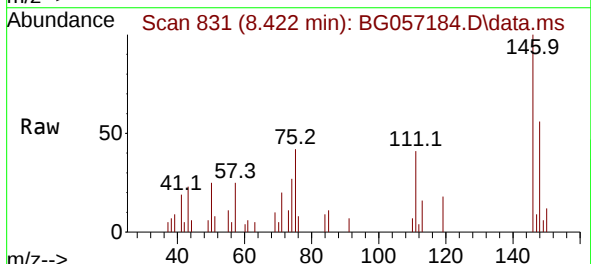
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Ion Ratio Lower Upper
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42 28.9 13.4 20.0
71 104.7 30.2 45.2

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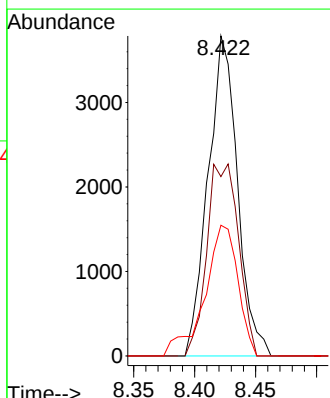
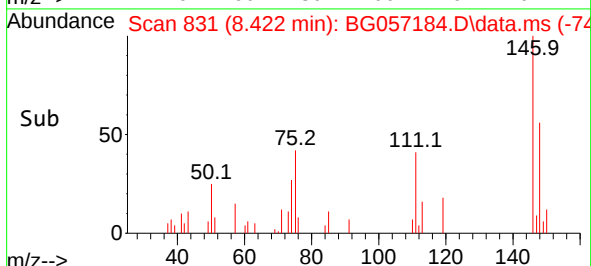
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

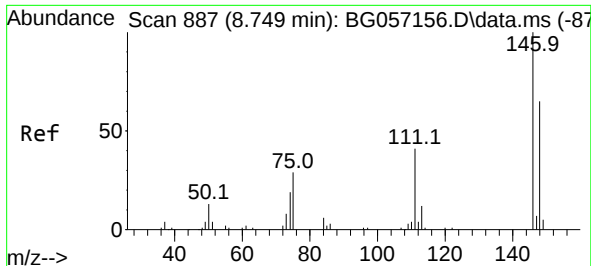


#13
1,4-Dichlorobenzene
Concen: 5.433 ng
RT: 8.422 min Scan# 831
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03



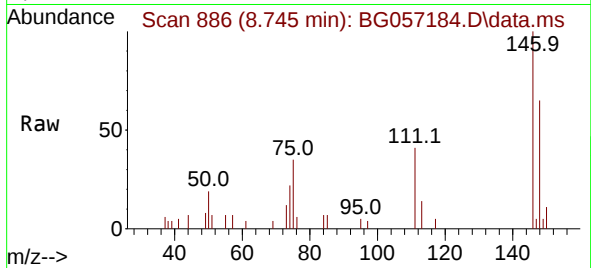
Tgt Ion:146 Resp: 6364
Ion Ratio Lower Upper
146 100
148 56.1 54.3 81.5
111 40.8 34.2 51.4





#14
1,2-Dichlorobenzene
Concen: 6.611 ng
RT: 8.745 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

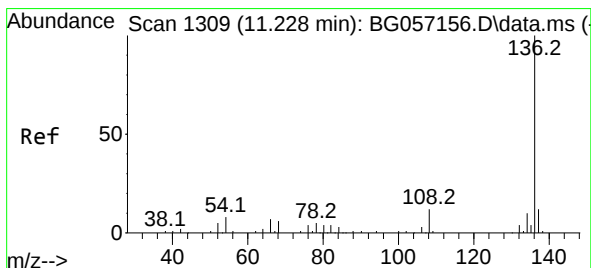
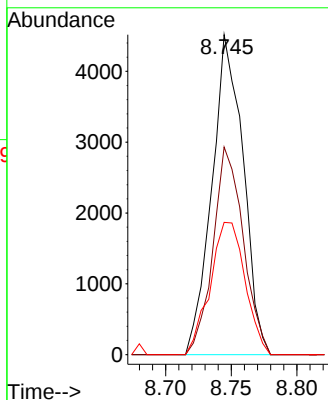
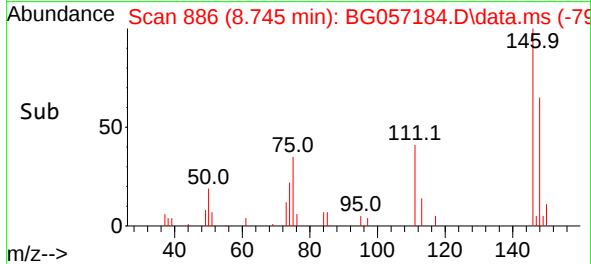
Instrument :
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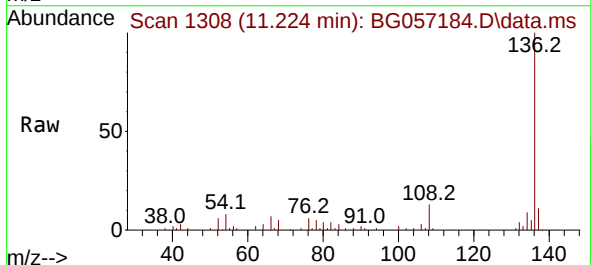
Tgt Ion:146 Resp: 7470
Ion Ratio Lower Upper
146 100
148 64.9 52.3 78.5
111 41.3 33.1 49.7

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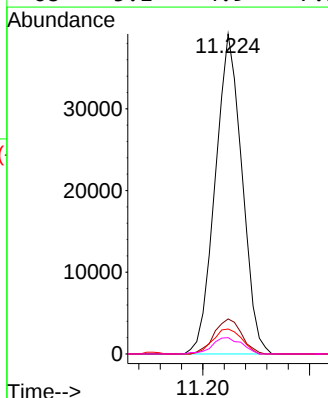
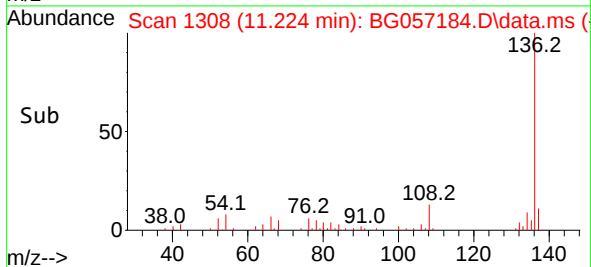
Reviewed By :Christian Giraldo 04/26/2023
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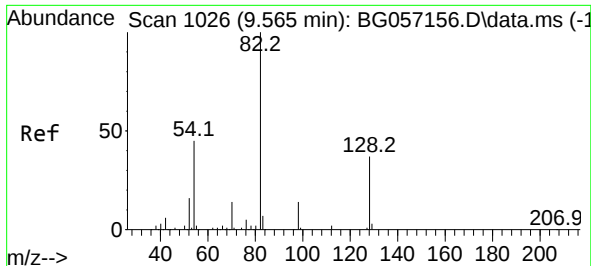


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.224 min Scan# 1308
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03



Tgt Ion:136 Resp: 68158
Ion Ratio Lower Upper
136 100
137 11.0 9.5 14.3
54 7.8 6.4 9.6
68 5.1 4.9 7.3





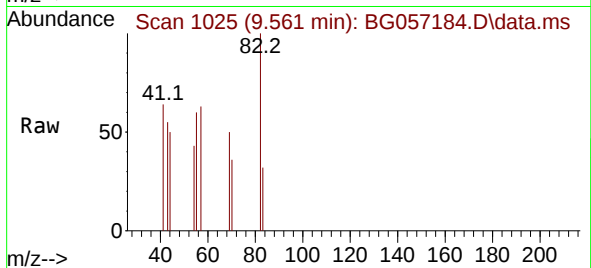
#23
Nitrobenzene-d5
Concen: 0.770 ng
RT: 9.561 min Scan# 1025
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

Instrument :

BNA_G

ClientSampleId :

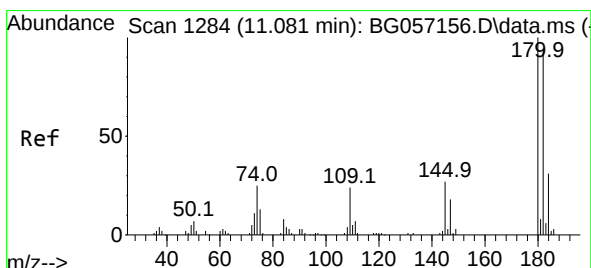
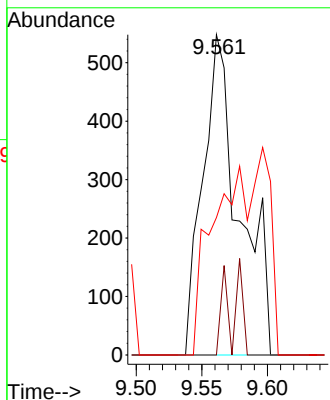
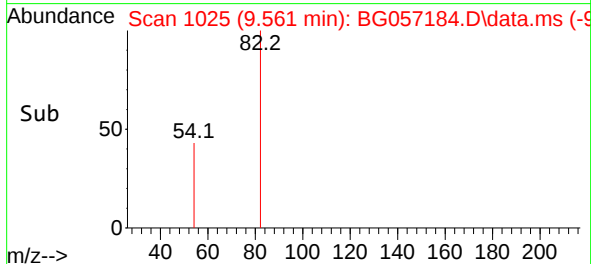
SPA-1WC-23-04DL



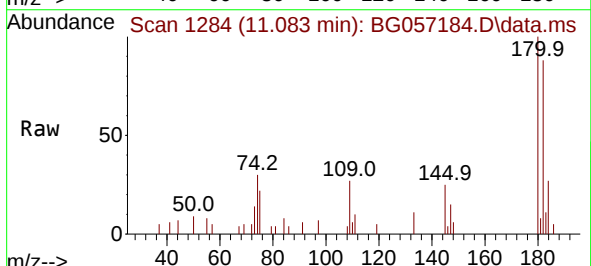
Tgt Ion: 82 Resp: 1063
Ion Ratio Lower Upper
82 100
128 0.0 29.4 44.2
54 42.9 36.2 54.2

Manual Integrations
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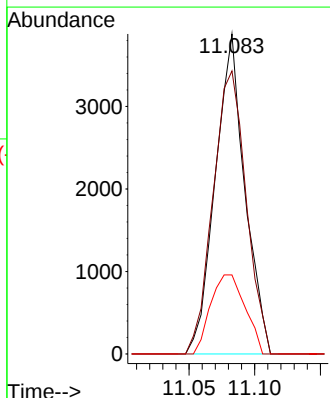
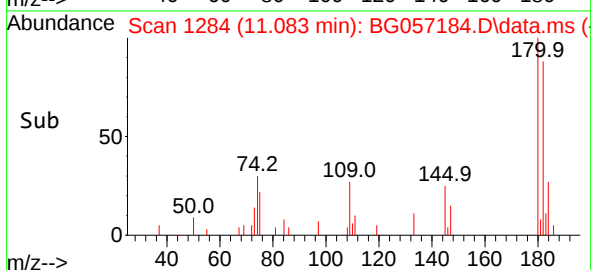
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

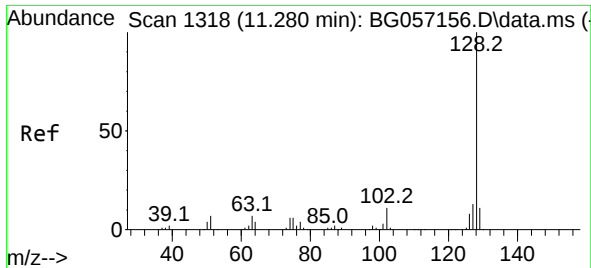


#30
1,2,4-Trichlorobenzene
Concen: 4.483 ng
RT: 11.083 min Scan# 1284
Delta R.T. 0.002 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03



Tgt Ion:180 Resp: 6070
Ion Ratio Lower Upper
180 100
182 88.5 75.0 112.6
145 24.7 21.4 32.2





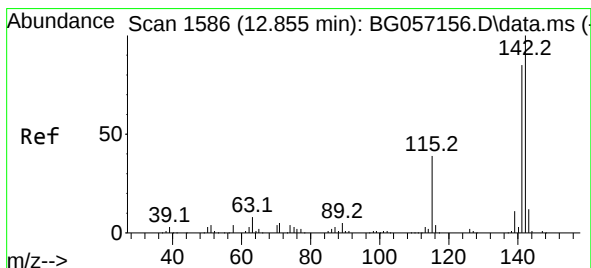
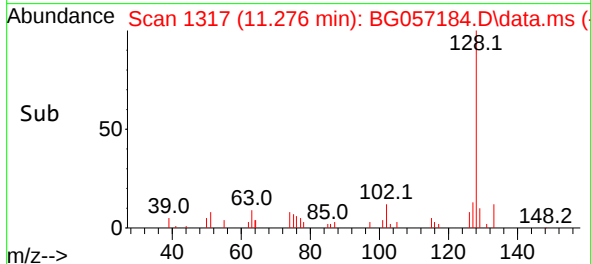
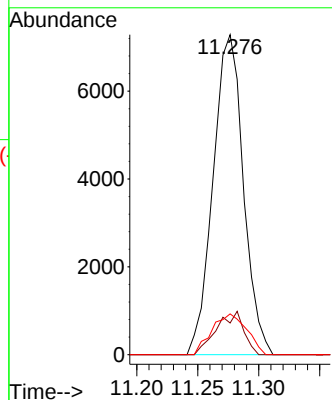
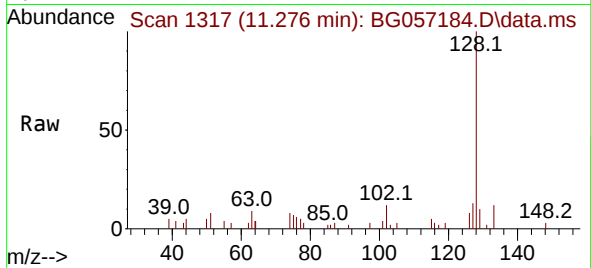
#31
Naphthalene
Concen: 3.476 ng
RT: 11.276 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

Instrument :
BNA_G
ClientSampleId :
SPA-1WC-23-04DL

Tgt Ion:128 Resp: 1258
Ion Ratio Lower Upper
128 100
129 9.9 8.8 13.2
127 12.8 10.6 16.0

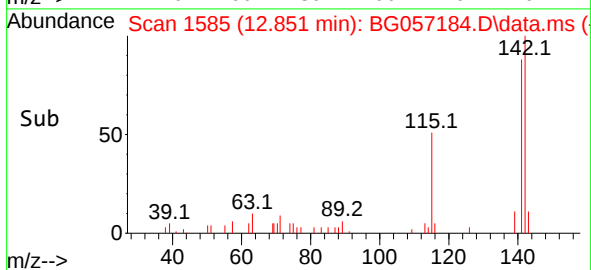
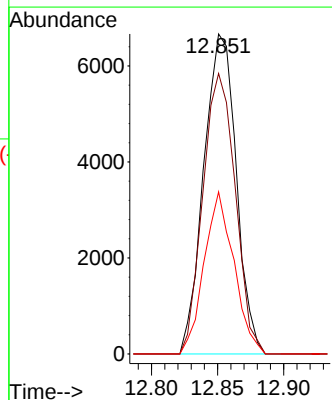
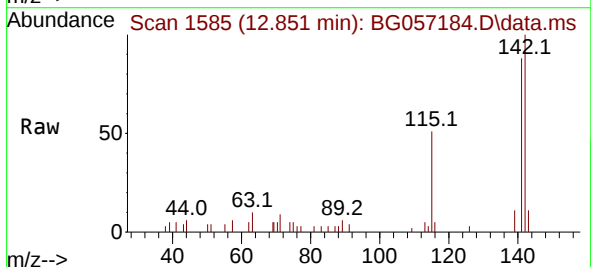
Manual Integrations
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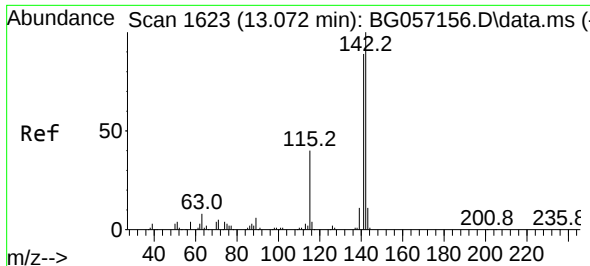
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#37
2-Methylnaphthalene
Concen: 3.990 ng m
RT: 12.851 min Scan# 1585
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

Tgt Ion:142 Resp: 11367
Ion Ratio Lower Upper
142 100
141 87.7 68.1 102.1
115 50.6 31.0 46.4#





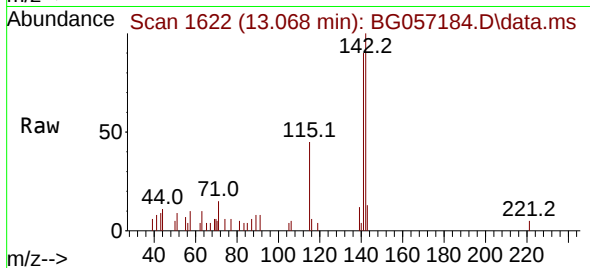
#38
1-Methylnaphthalene
Concen: 2.450 ng m
RT: 13.068 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

Instrument :

BNA_G

ClientSampleId :

SPA-1WC-23-04DL

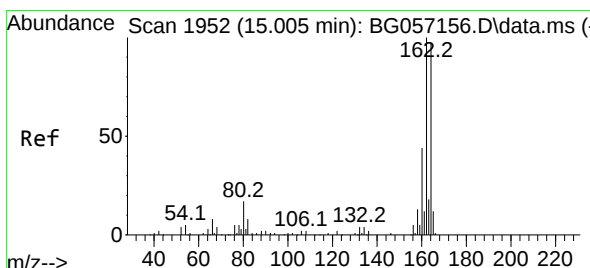
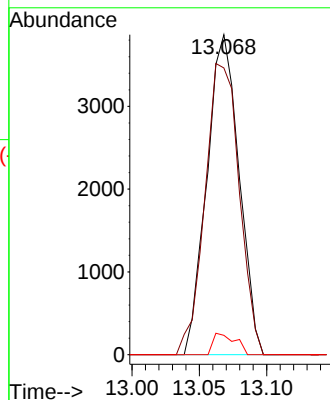
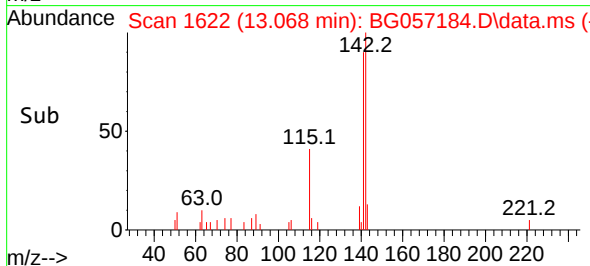


Tgt Ion:142 Resp: 644
Ion Ratio Lower Upper
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141 89.6 71.6 107.4
116 6.1 3.3 4.9

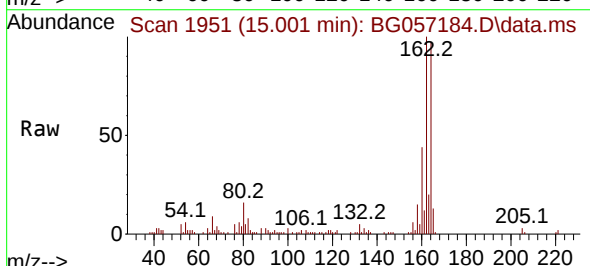
Manual Integrations

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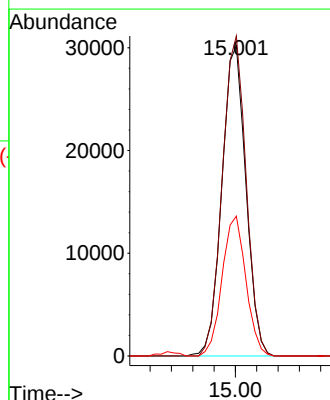
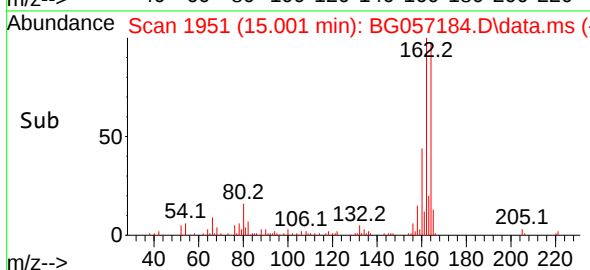
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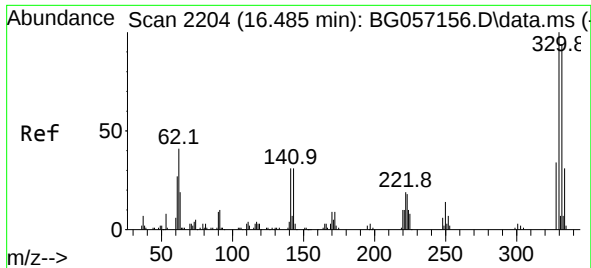


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.001 min Scan# 1951
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03



Tgt Ion:164 Resp: 47110
Ion Ratio Lower Upper
164 100
162 103.2 82.4 123.6
160 45.1 36.2 54.2





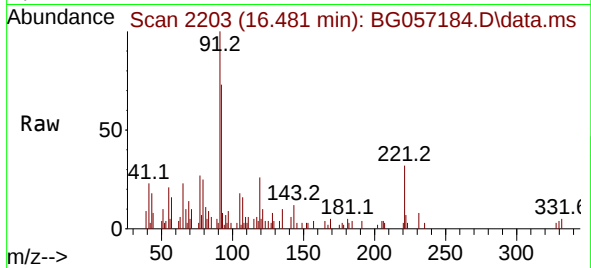
#42
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 16.481 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

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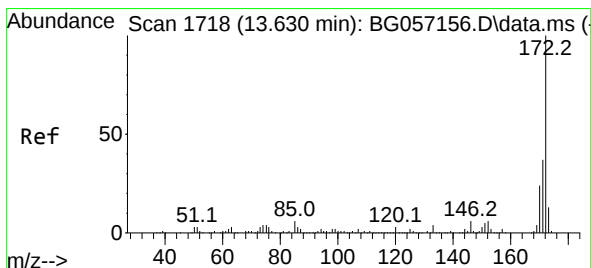
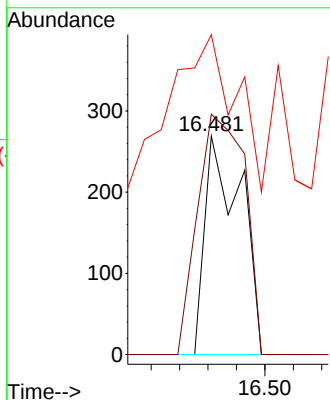
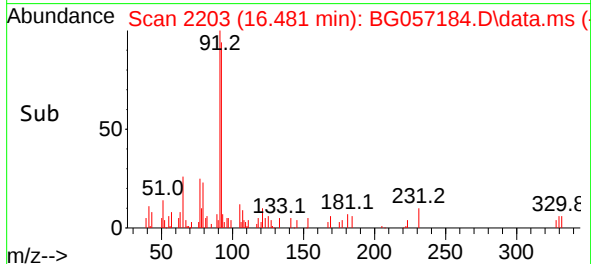


Tgt Ion:330 Resp: 235
Ion Ratio Lower Upper
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332 146.0 77.6 116.4
141 326.4 26.0 39.0

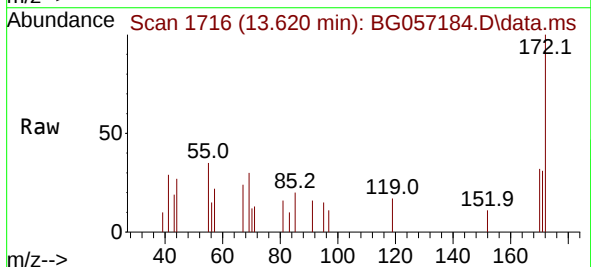
Manual Integrations

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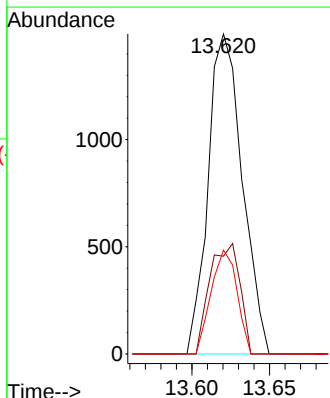
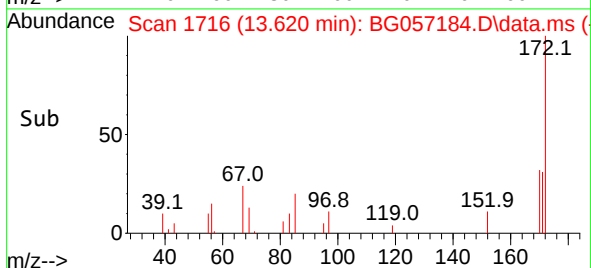
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

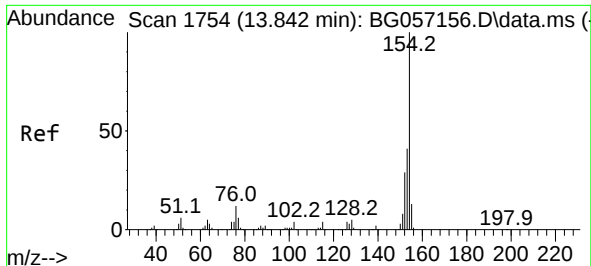


#45
2-Fluorobiphenyl
Concen: 0.652 ng
RT: 13.620 min Scan# 1716
Delta R.T. -0.010 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03



Tgt Ion:172 Resp: 2285
Ion Ratio Lower Upper
172 100
171 30.5 29.2 43.8
170 32.4 19.4 29.2





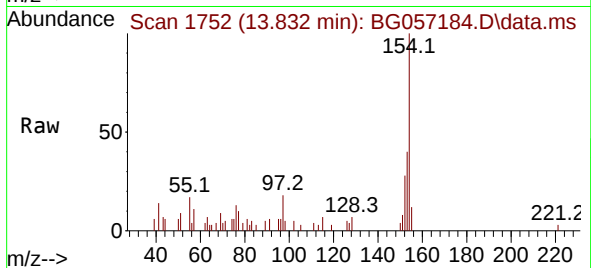
#46
1,1'-Biphenyl
Concen: 2.775 ng
RT: 13.832 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

Instrument :

BNA_G

ClientSampleId :

SPA-1WC-23-04DL

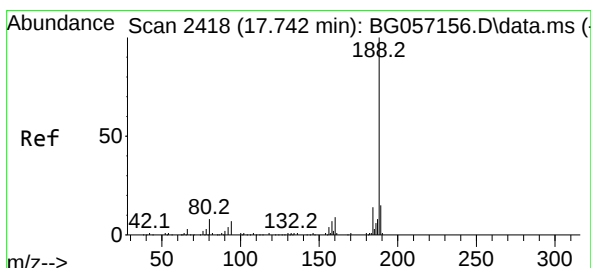
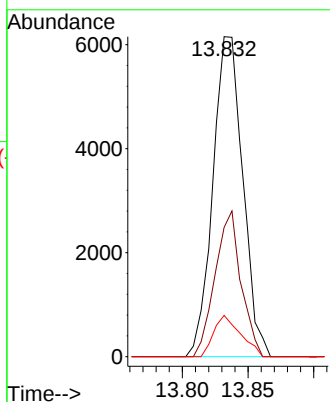
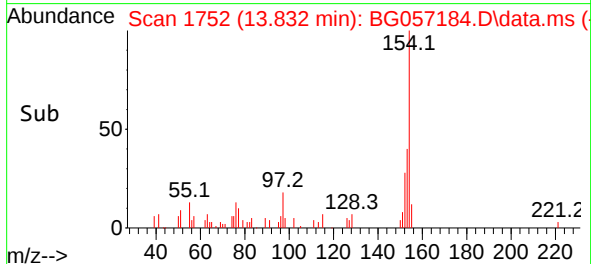


Tgt Ion:154 Resp: 9740
Ion Ratio Lower Upper
154 100
153 40.4 20.9 60.9
76 12.9 0.0 32.3

Manual Integrations

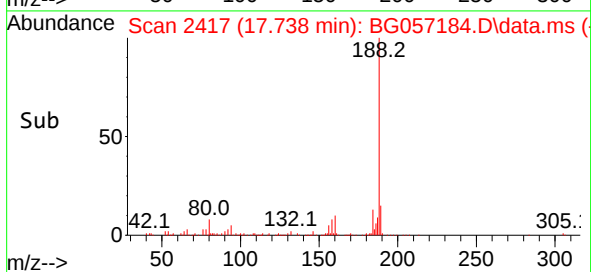
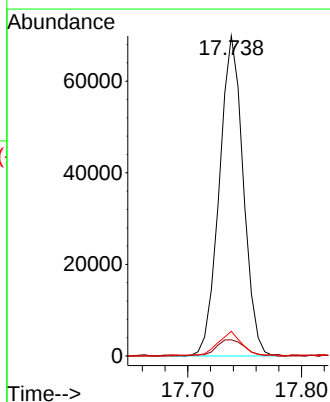
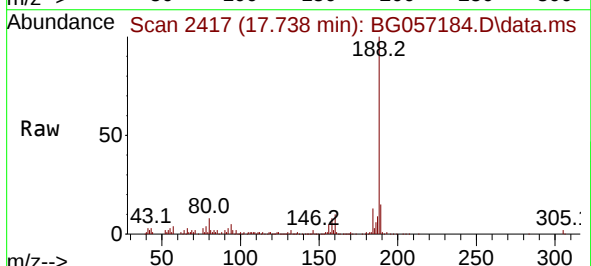
APPROVED

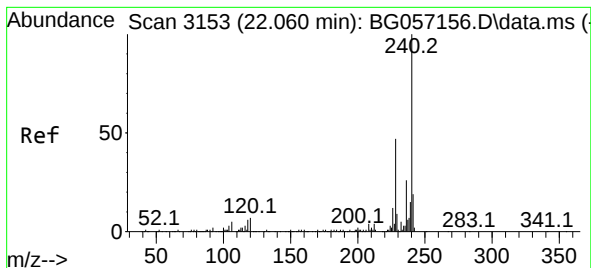
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.738 min Scan# 2417
Delta R.T. -0.004 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

Tgt Ion:188 Resp: 102144
Ion Ratio Lower Upper
188 100
94 5.1 5.4 8.0#
80 7.7 6.2 9.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.050 min Scan# 3153

Delta R.T. -0.010 min

Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

Instrument :

BNA_G

ClientSampleId :

SPA-1WC-23-04DL

Tgt Ion:240 Resp: 8949

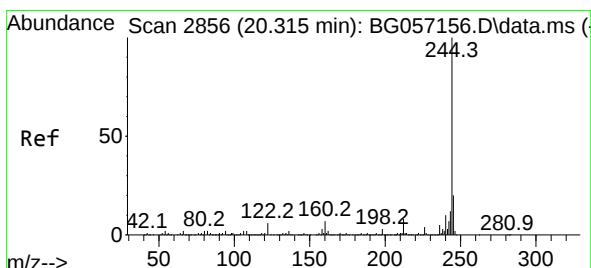
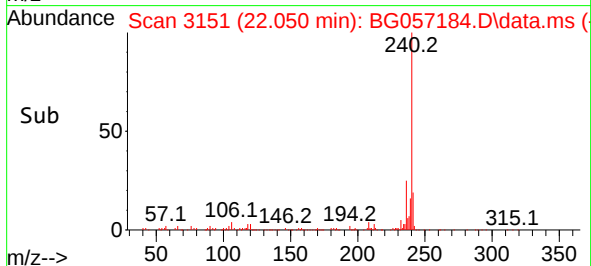
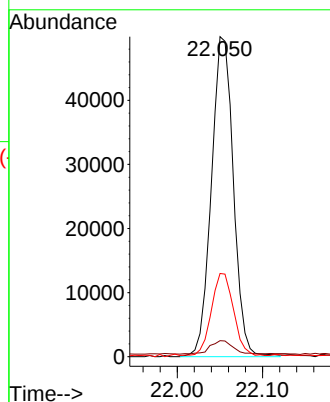
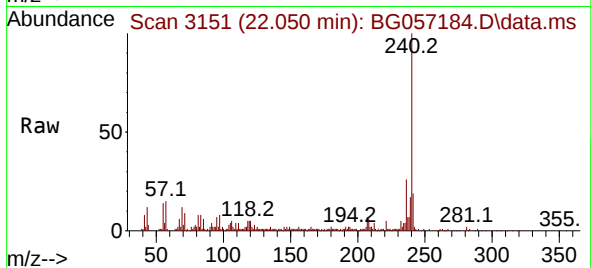
Ion	Ratio	Lower	Upper
240	100		
120	5.0	5.5	8.3
236	26.0	20.8	31.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#79

Terphenyl-d14

Concen: 0.693 ng

RT: 20.305 min Scan# 2854

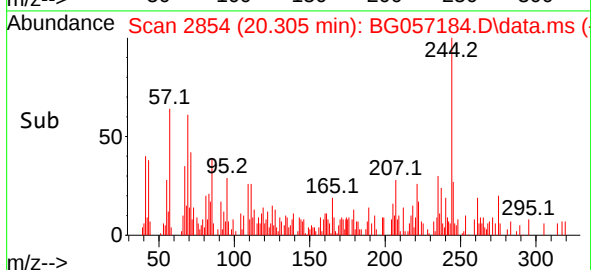
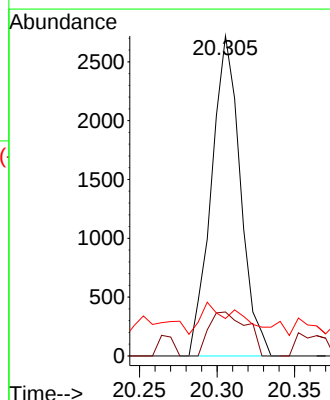
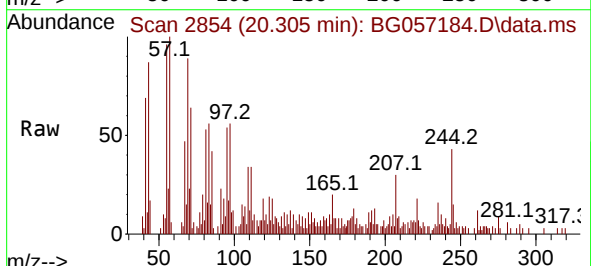
Delta R.T. -0.010 min

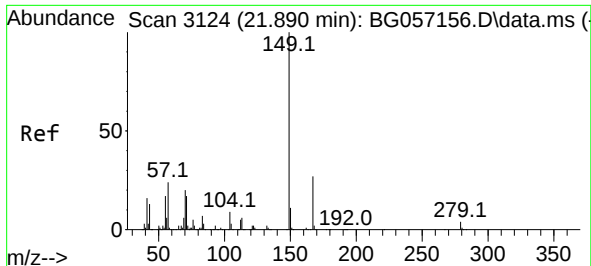
Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

Tgt Ion:244 Resp: 3544

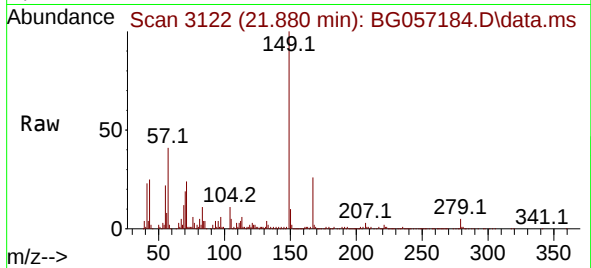
Ion	Ratio	Lower	Upper
244	100		
212	13.8	6.0	9.0
122	11.7	5.0	7.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 56.845 ng
RT: 21.880 min Scan# 3124
Delta R.T. -0.010 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

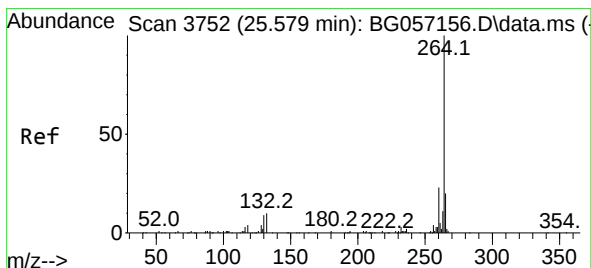
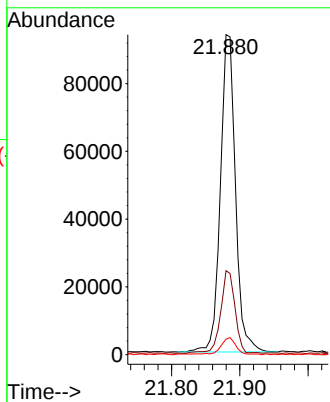
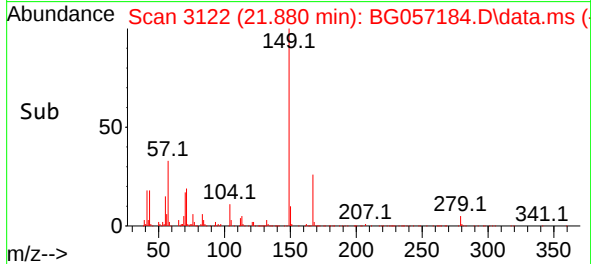
Instrument :
BNA_G
ClientSampleId :
SPA-1WC-23-04DL



Tgt Ion:149 Resp: 14429
Ion Ratio Lower Upper
149 100
167 26.2 21.9 32.9
279 4.9 3.3 4.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.581 min Scan# 3752
Delta R.T. 0.002 min
Lab File: BG057184.D
Acq: 25 Apr 2023 20:03

Tgt Ion:264 Resp: 98210
Ion Ratio Lower Upper
264 100
260 22.8 18.8 28.2
265 22.9 16.4 24.6

