

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
 Data File : BG055825.D
 Acq On : 29 Nov 2022 12:34
 Operator : CG/JU
 Sample : N5752-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-7SDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/30/2022
 Supervised By : Jagrut Upadhyay 11/30/2022

Quant Time: Nov 30 02:03:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 30 02:01:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	48609	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	194747	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	135625	20.000	ng	0.00
64) Phenanthrene-d10	17.589	188	275755	20.000	ng	0.00
76) Chrysene-d12	21.884	240	261755	20.000	ng	0.00
86) Perylene-d12	25.286	264	293340	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	37308	13.873	ng	0.00
7) Phenol-d6	7.371	99	47610	13.299	ng	0.00
23) Nitrobenzene-d5	9.398	82	31131	8.449	ng	0.00
42) 2,4,6-Tribromophenol	16.332	330	24405	12.779	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	83972	9.276	ng	0.00
79) Terphenyl-d14	20.174	244	124844	9.540	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.575	152	40836	3.228	ng	99
75) Fluoranthene	19.634	202	177705	9.816	ng	98
78) Pyrene	19.998	202	386888	21.836	ng	99
81) Benzo(a)anthracene	21.866	228	133122m	7.384	ng	
83) Chrysene	21.937	228	120607	7.027	ng	98
84) Bis(2-ethylhexyl)phtha...	21.731	149	90190	9.048	ng	# 96
87) Indeno(1,2,3-cd)pyrene	29.187	276	290750	12.099	ng	97
88) Benzo(b)fluoranthene	24.205	252	334273	17.498	ng	# 93
89) Benzo(k)fluoranthene	24.263	252	91676m	4.814	ng	
90) Benzo(a)pyrene	25.127	252	176337	10.756	ng	# 97
92) Benzo(g,h,i)perylene	30.427	276	534843	27.023	ng	99

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

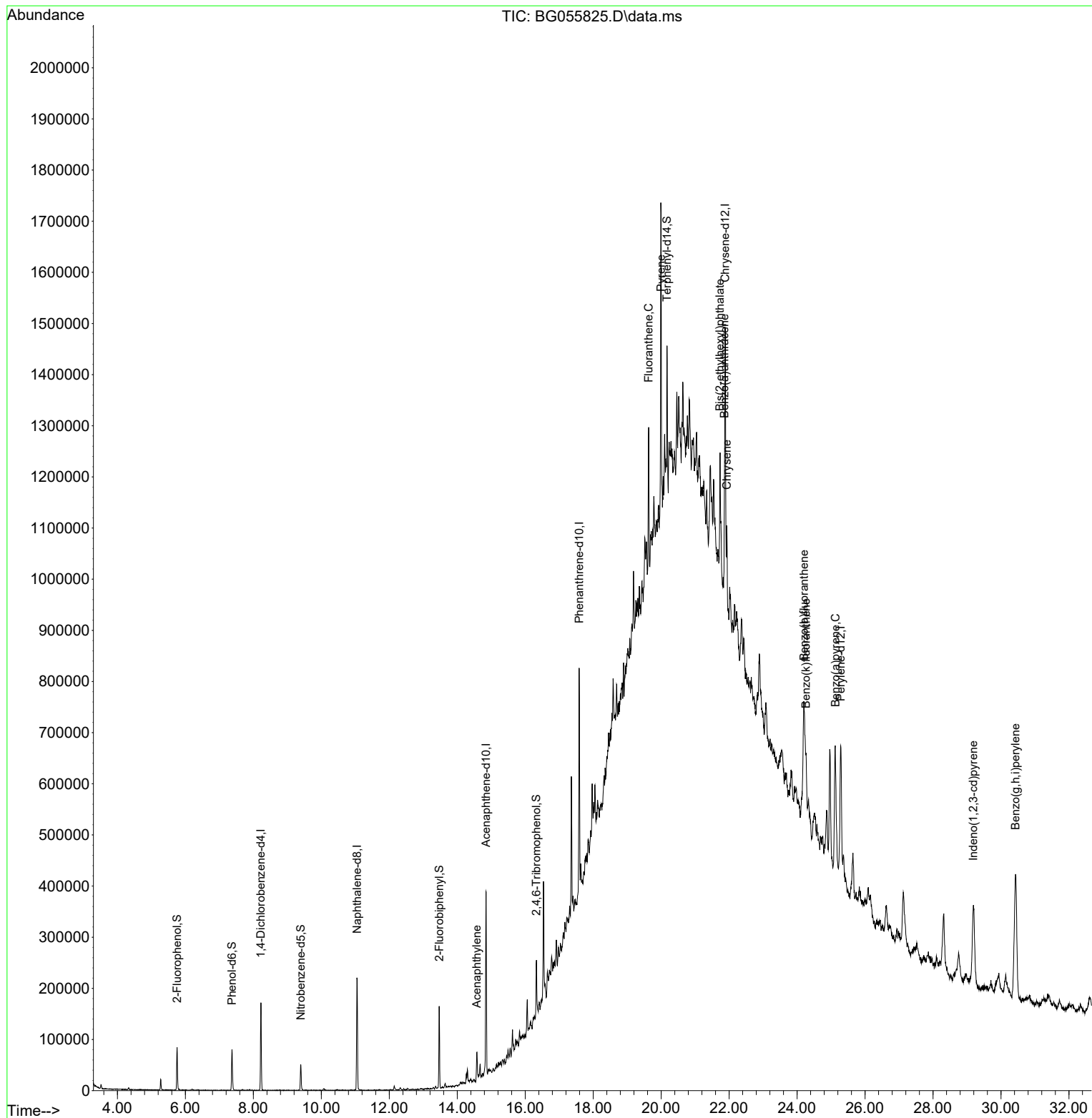
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
Data File : BG055825.D
Acq On : 29 Nov 2022 12:34
Operator : CG/JU
Sample : N5752-01DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

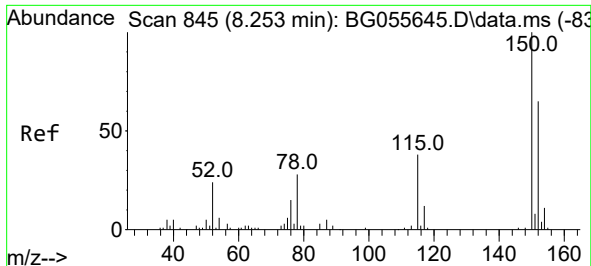
Instrument :
BNA_G
ClientSampleId :
B-7SDL

Quant Time: Nov 30 02:03:18 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 30 02:01:09 2022
Response via : Initial Calibration

Manual Integrations
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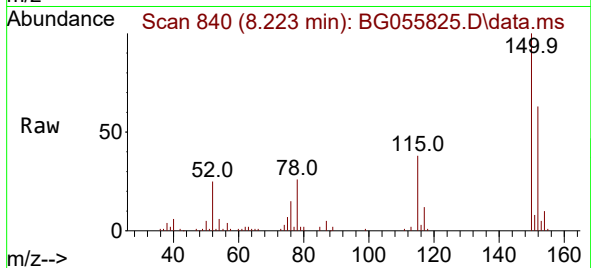
Reviewed By : Christian Giraldo 11/30/2022
Supervised By : Jagrut Upadhyay 11/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 845
Delta R.T. -0.003 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

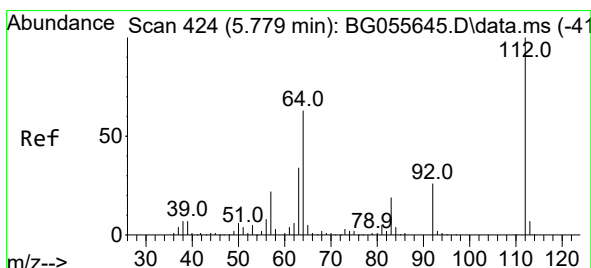
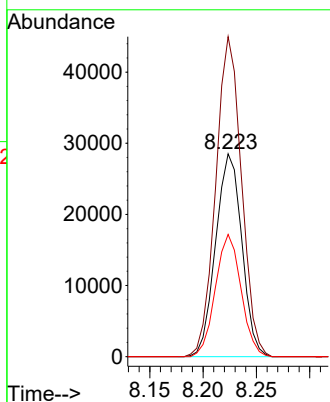
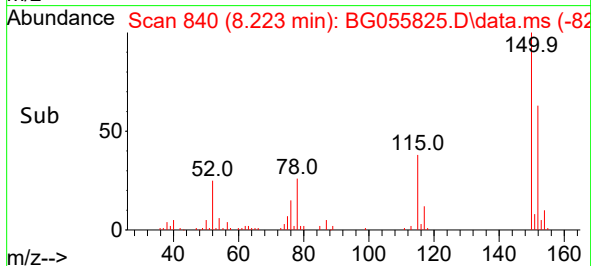
Instrument :
BNA_G
ClientSampleId :
B-7SDL



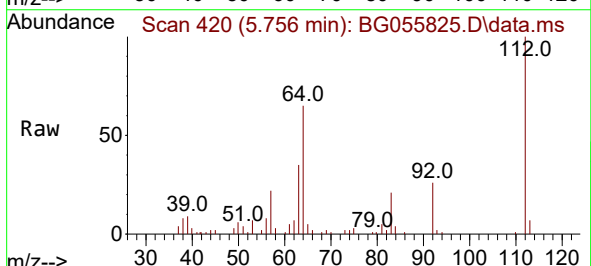
Tgt Ion:152 Resp: 48609
Ion Ratio Lower Upper
152 100
150 157.8 123.0 184.6
115 60.3 47.0 70.4

Manual Integrations
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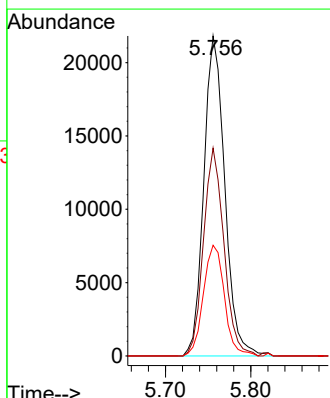
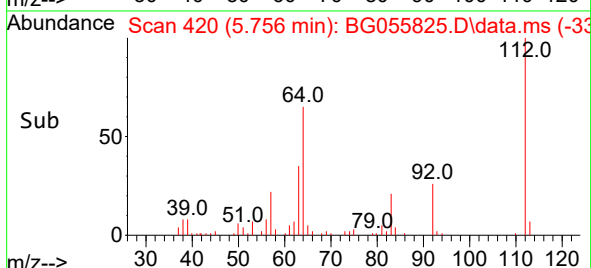
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

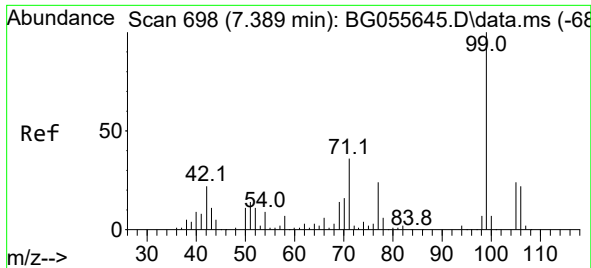


#5
2-Fluorophenol
Concen: 13.873 ng
RT: 5.756 min Scan# 420
Delta R.T. -0.002 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34



Tgt Ion:112 Resp: 37308
Ion Ratio Lower Upper
112 100
64 65.0 50.6 76.0
63 34.6 27.5 41.3





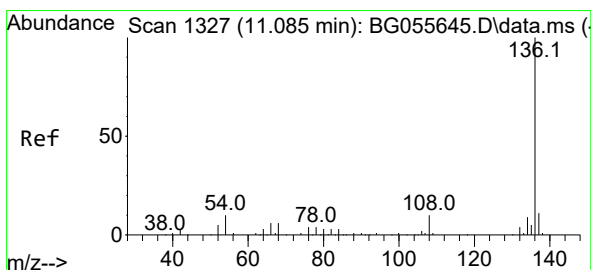
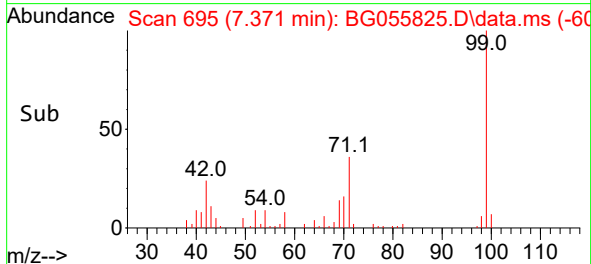
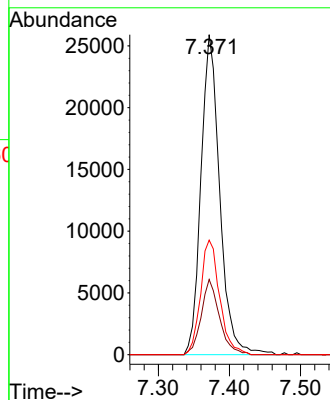
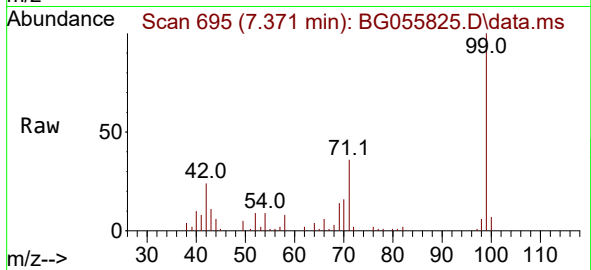
#7
Phenol-d6
Concen: 13.299 ng
RT: 7.371 min Scan# 698
Delta R.T. -0.002 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

Instrument :
BNA_G
ClientSampleId :
B-7SDL

Tgt Ion: 99 Resp: 47610
Ion Ratio Lower Upper
99 100
42 23.5 18.0 27.0
71 35.8 29.0 43.6

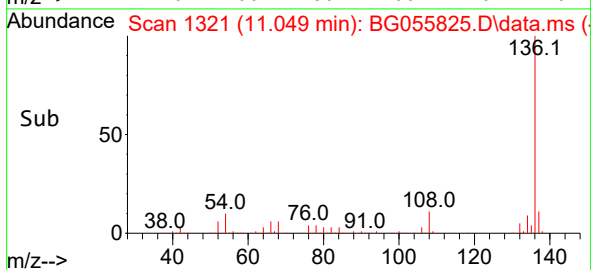
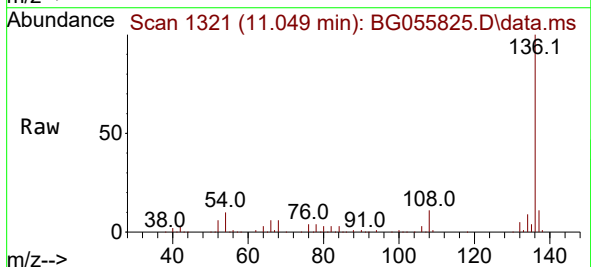
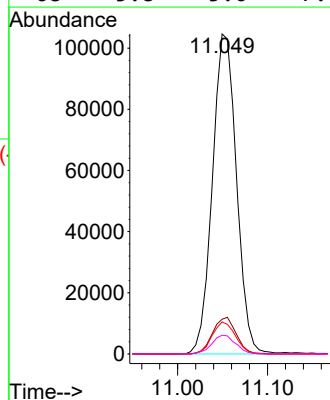
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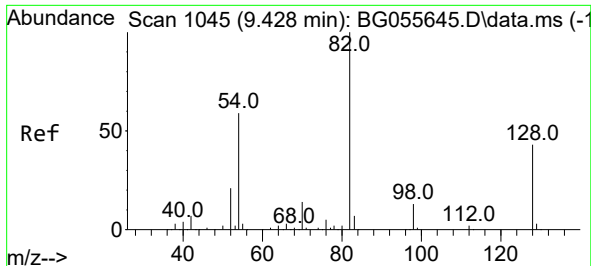
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1321
Delta R.T. -0.008 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

Tgt Ion:136 Resp: 194747
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.0 7.8 11.6
68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 8.449 ng

RT: 9.398 min Scan# 1040

Delta R.T. -0.002 min

Lab File: BG055825.D

Acq: 29 Nov 2022 12:34

Instrument :

BNA_G

ClientSampleId :

B-7SDL

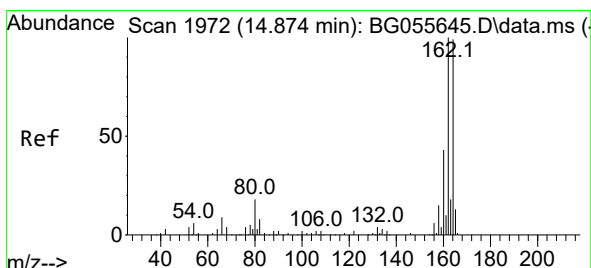
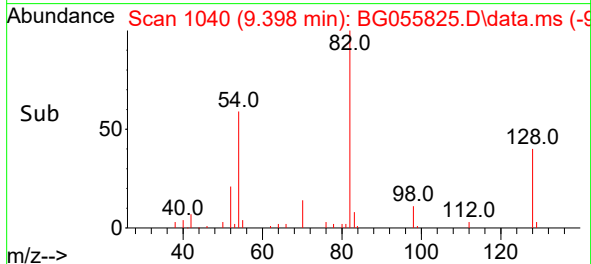
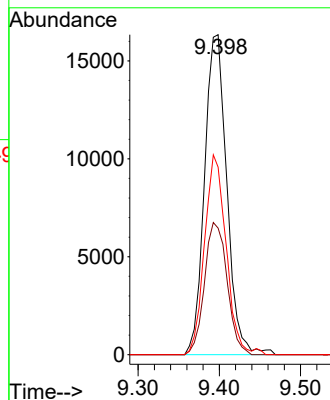
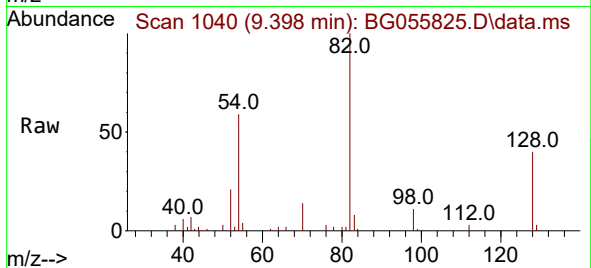
Tgt Ion:	82	Resp:	3113
Ion Ratio	Lower	Upper	
82	100		
128	39.6	34.1	51.1
54	58.6	47.3	70.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

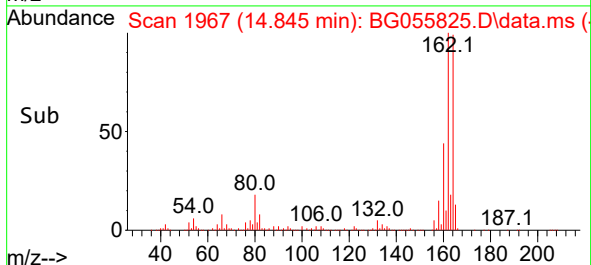
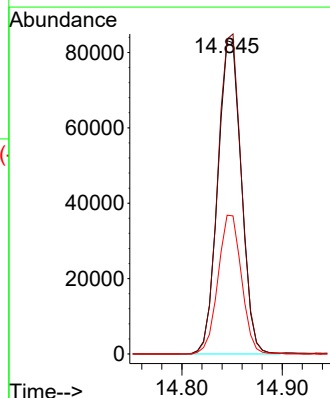
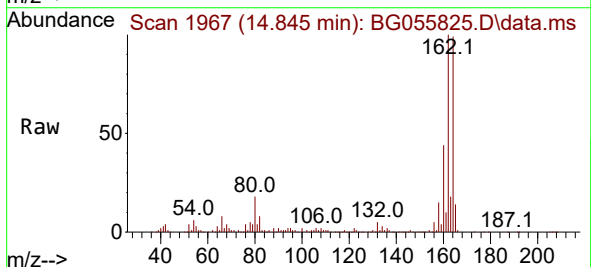
RT: 14.845 min Scan# 1967

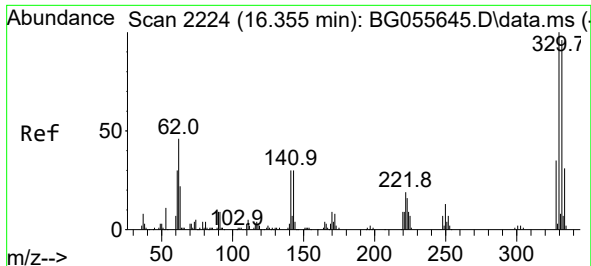
Delta R.T. -0.008 min

Lab File: BG055825.D

Acq: 29 Nov 2022 12:34

Tgt Ion:	164	Resp:	135625
Ion Ratio	Lower	Upper	
164	100		
162	100.5	81.1	121.7
160	44.3	34.8	52.2





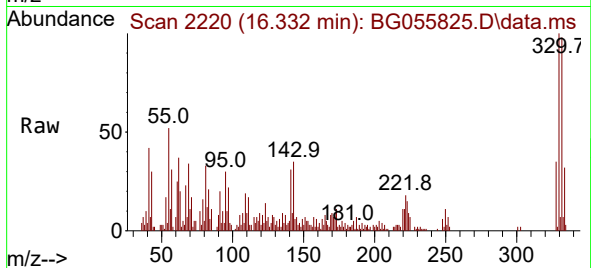
#42
2,4,6-Tribromophenol
Concen: 12.779 ng
RT: 16.332 min Scan# 211
Delta R.T. -0.002 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

Instrument :

BNA_G

ClientSampleId :

B-7SDL

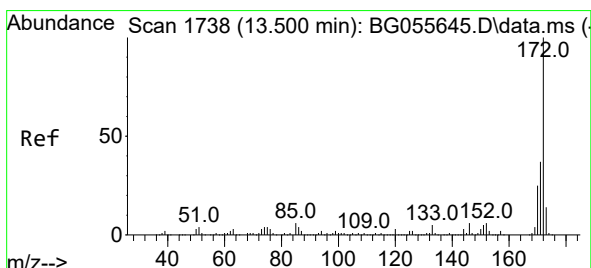
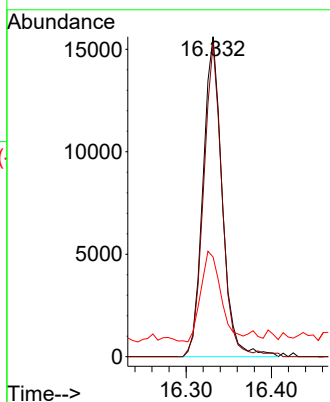
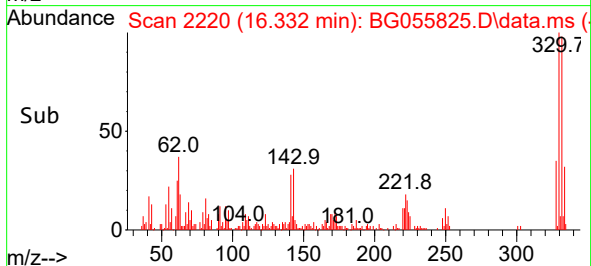


Tgt Ion:330 Resp: 2440
Ion Ratio Lower Upper
330 100
332 95.1 77.8 116.8
141 29.9 23.9 35.9

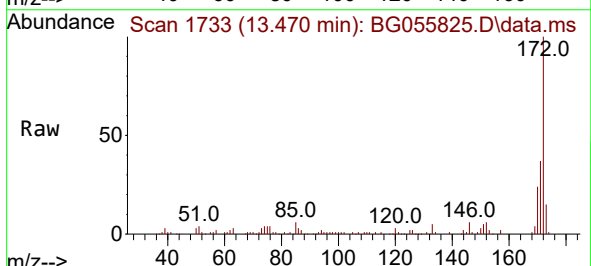
Manual Integrations

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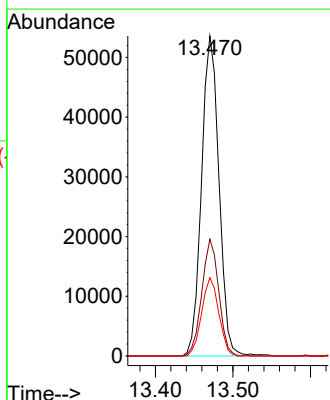
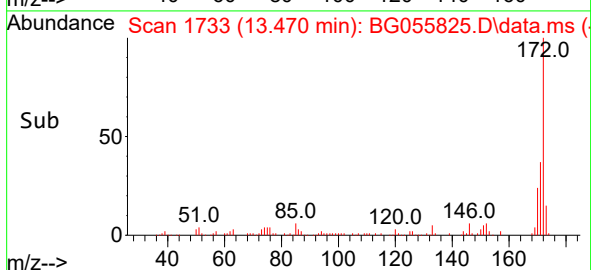
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

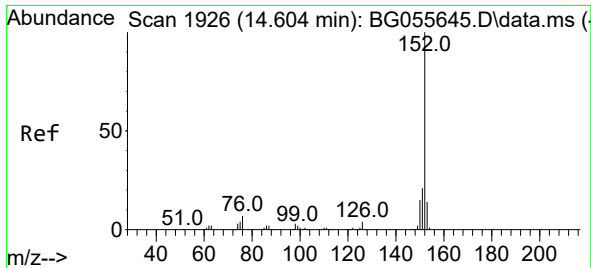


#45
2-Fluorobiphenyl
Concen: 9.276 ng
RT: 13.470 min Scan# 1733
Delta R.T. -0.002 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34



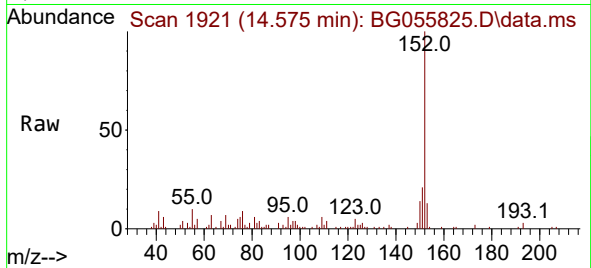
Tgt Ion:172 Resp: 83972
Ion Ratio Lower Upper
172 100
171 36.5 29.8 44.6
170 24.4 20.2 30.4





#49
Acenaphthylene
Concen: 3.228 ng
RT: 14.575 min Scan# 1921
Delta R.T. -0.002 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

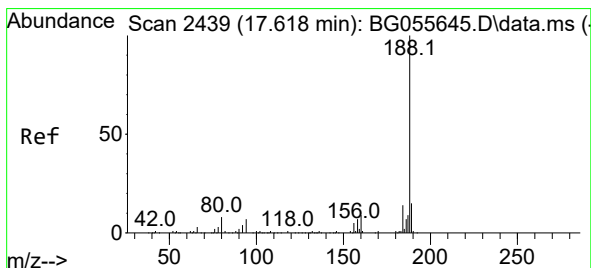
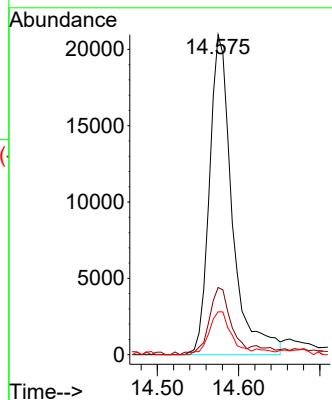
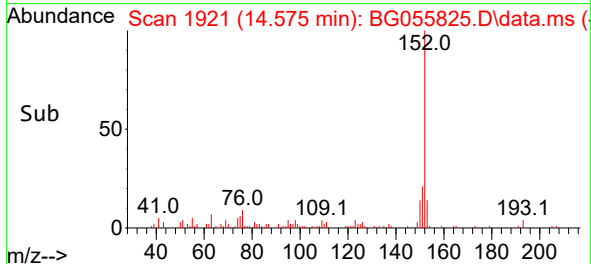
Instrument :
BNA_G
ClientSampleId :
B-7SDL



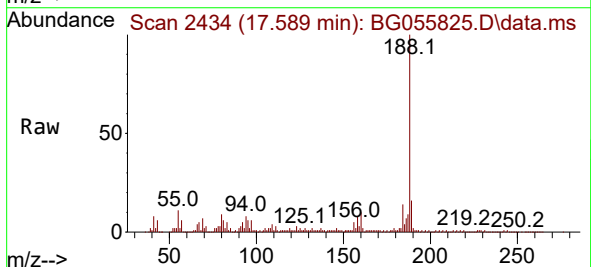
Tgt Ion:152 Resp: 40830
Ion Ratio Lower Upper
152 100
151 21.0 16.4 24.6
153 13.4 11.0 16.4

Manual Integrations
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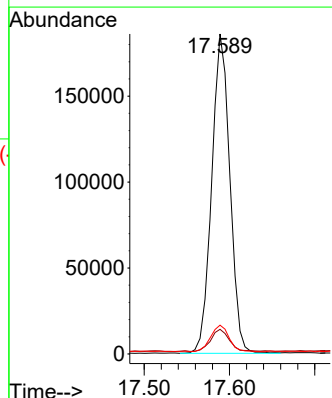
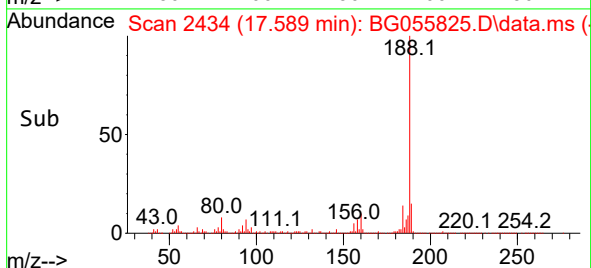
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

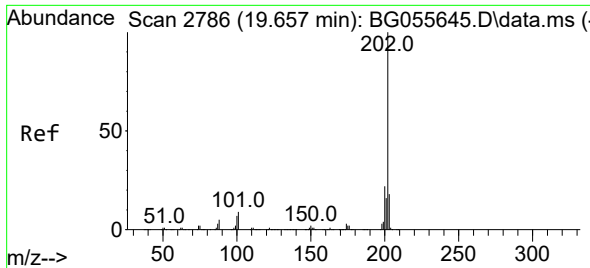


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.589 min Scan# 2434
Delta R.T. -0.002 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34



Tgt Ion:188 Resp: 275755
Ion Ratio Lower Upper
188 100
94 7.7 5.4 8.2
80 9.0 6.6 10.0





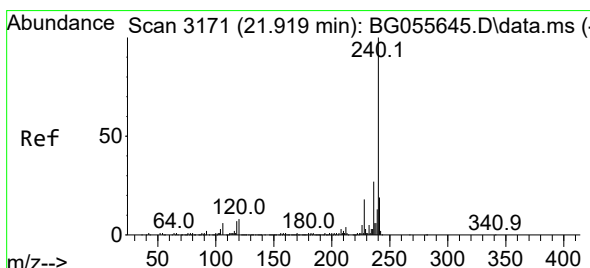
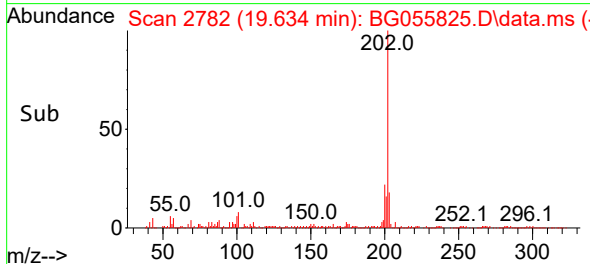
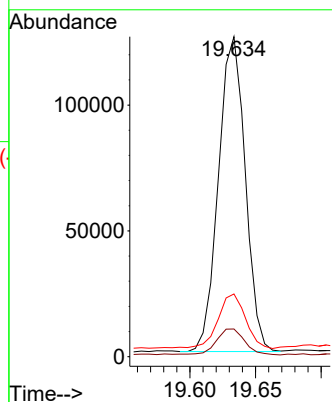
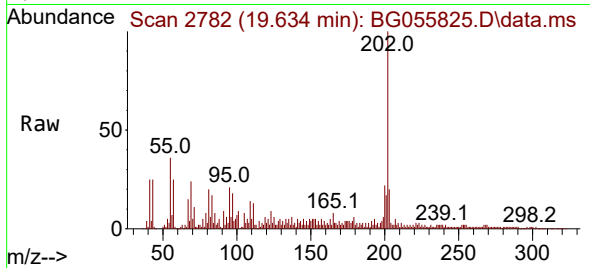
#75
Fluoranthene
Concen: 9.816 ng
RT: 19.634 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

Instrument :
BNA_G
ClientSampleId :
B-7SDL

Tgt Ion:202 Resp: 17770
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.8
203 19.6 0.0 38.1

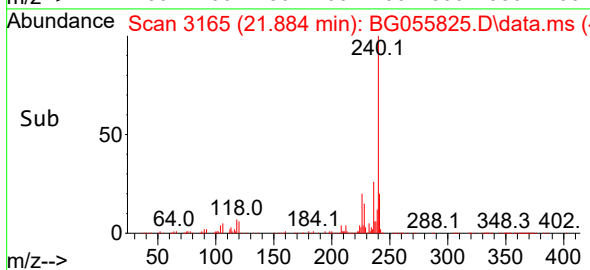
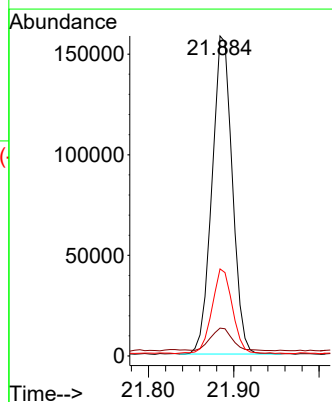
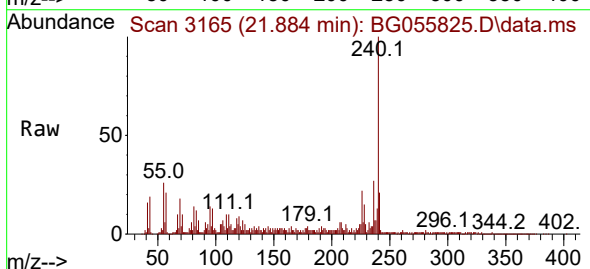
Manual Integrations
APPROVED

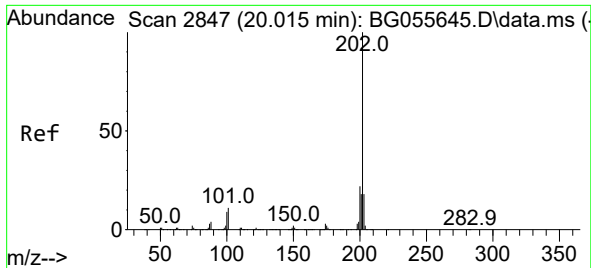
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.884 min Scan# 3165
Delta R.T. 0.004 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

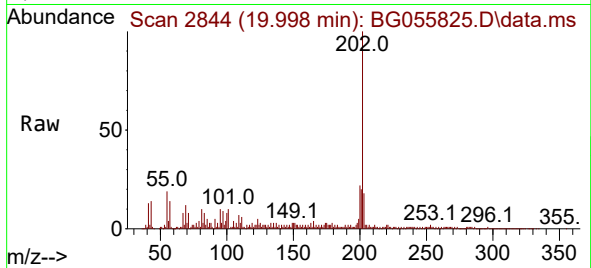
Tgt Ion:240 Resp: 261755
Ion Ratio Lower Upper
240 100
120 8.7 6.3 9.5
236 27.2 21.9 32.9





#78
Pyrene
Concen: 21.836 ng
RT: 19.998 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

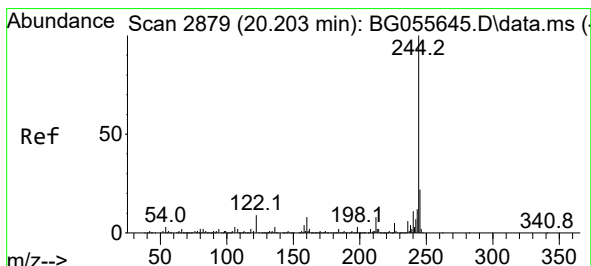
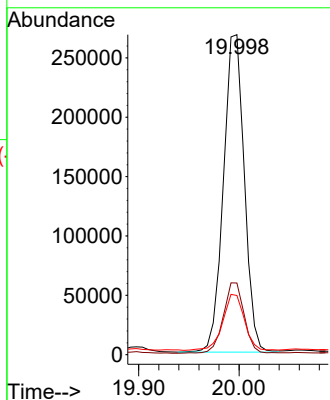
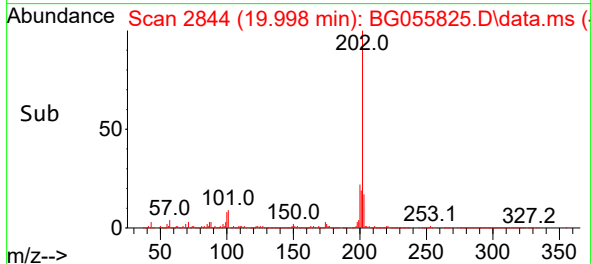
Instrument :
BNA_G
ClientSampleId :
B-7SDL



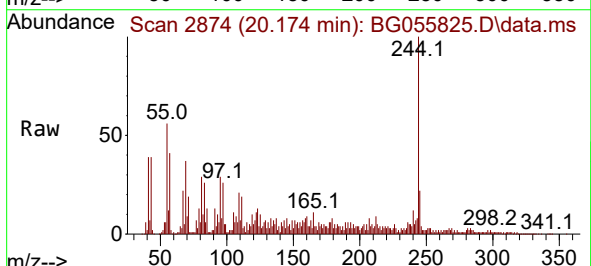
Tgt Ion:202 Resp: 38688
Ion Ratio Lower Upper
202 100
200 22.4 17.8 26.6
203 18.5 14.4 21.6

Manual Integrations
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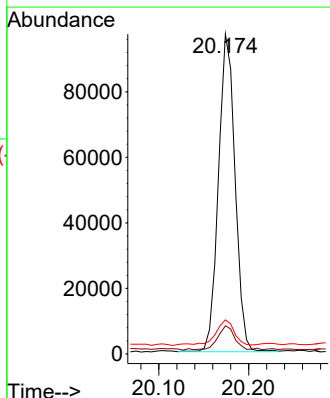
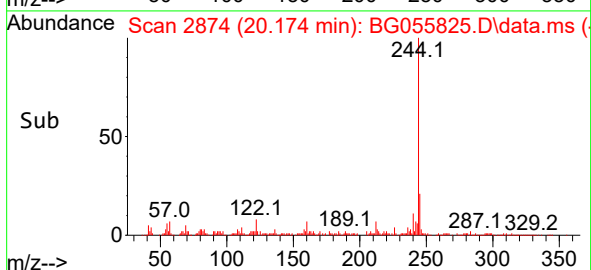
Reviewed By :Christian Giraldo 11/30/2022
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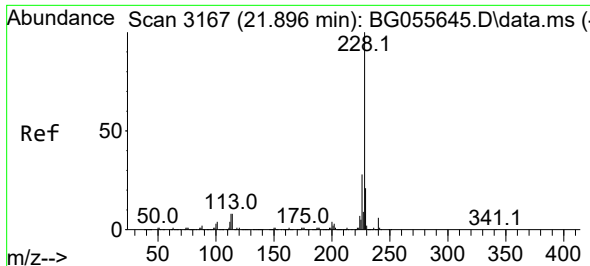


#79
Terphenyl-d14
Concen: 9.540 ng
RT: 20.174 min Scan# 2874
Delta R.T. -0.002 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34



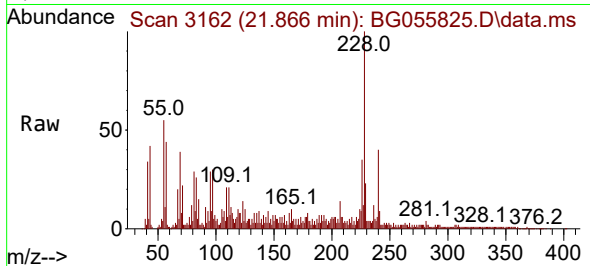
Tgt Ion:244 Resp: 124844
Ion Ratio Lower Upper
244 100
212 8.8 6.3 9.5
122 10.7 6.9 10.3#





#81
Benzo(a)anthracene
Concen: 7.384 ng m
RT: 21.866 min Scan# 3162
Delta R.T. 0.004 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

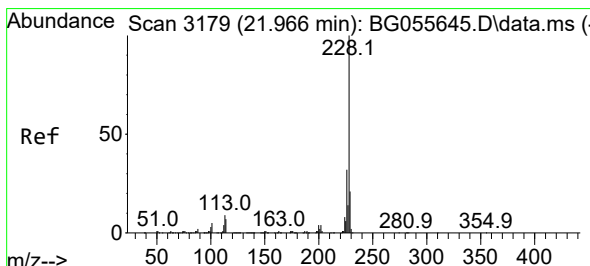
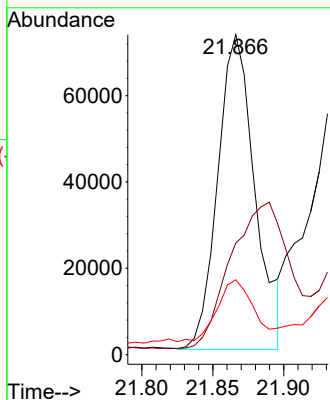
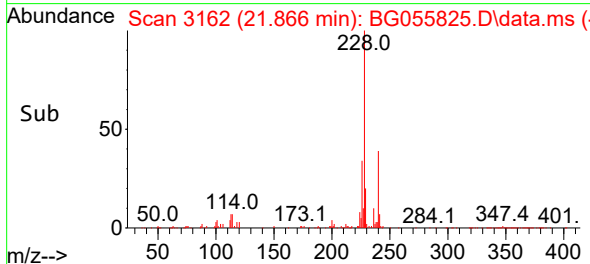
Instrument :
BNA_G
ClientSampleId :
B-7SDL



Tgt Ion:228 Resp: 13312
Ion Ratio Lower Upper
228 100
226 34.9 22.7 34.1
229 23.4 16.5 24.7

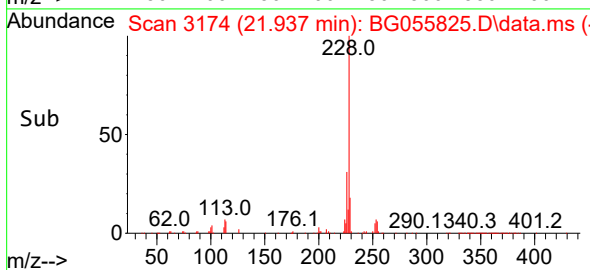
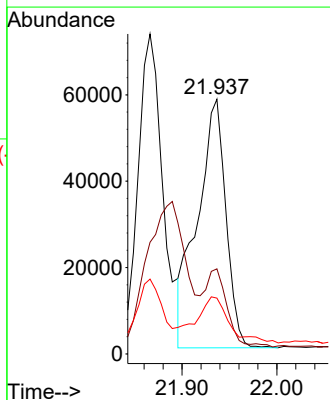
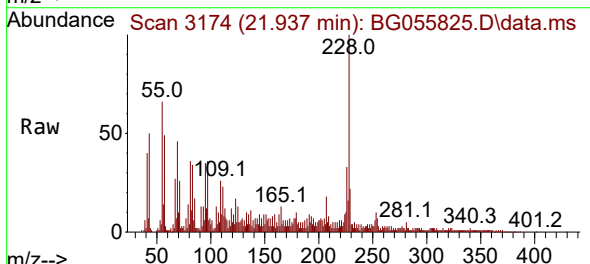
Manual Integrations
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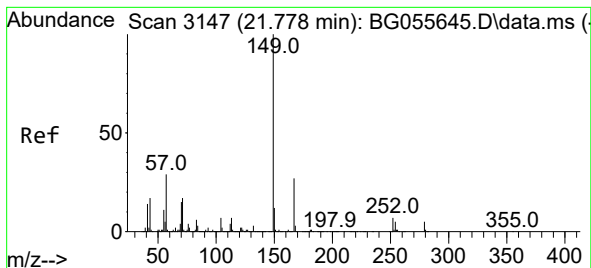
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#83
Chrysene
Concen: 7.027 ng
RT: 21.937 min Scan# 3174
Delta R.T. 0.003 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

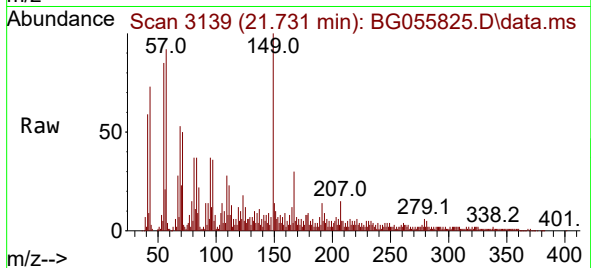
Tgt Ion:228 Resp: 120607
Ion Ratio Lower Upper
228 100
226 33.4 25.4 38.2
229 21.9 17.1 25.7





#84
Bis(2-ethylhexyl)phthalate
Concen: 9.048 ng
RT: 21.731 min Scan# 3147
Delta R.T. 0.004 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

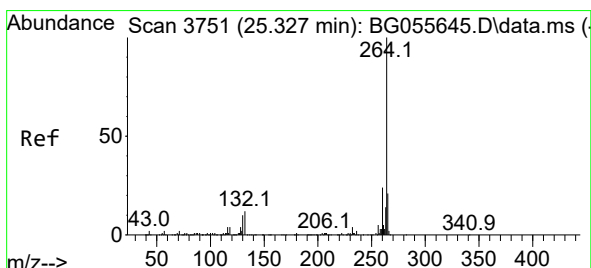
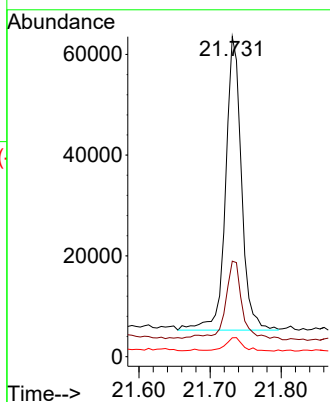
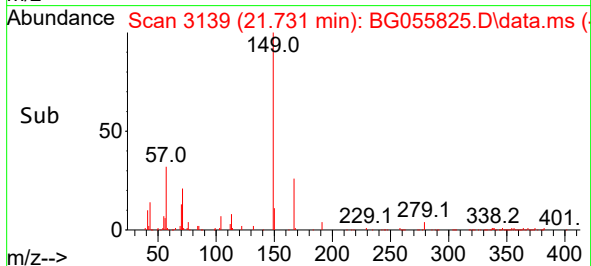
Instrument :
BNA_G
ClientSampleId :
B-7SDL



Tgt Ion:149 Resp: 90190
Ion Ratio Lower Upper
149 100
167 29.8 22.0 33.0
279 5.9 3.7 5.5

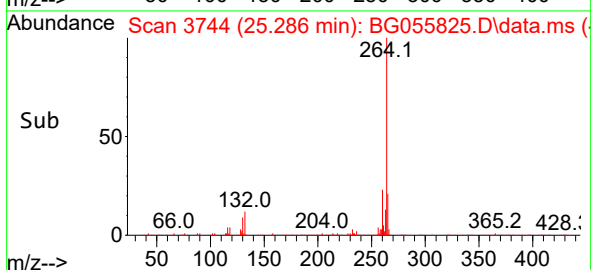
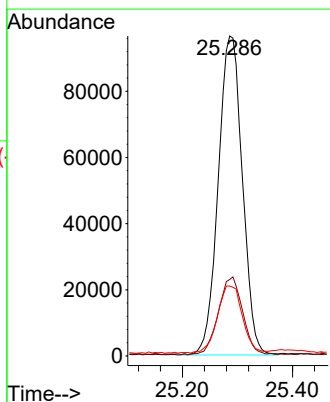
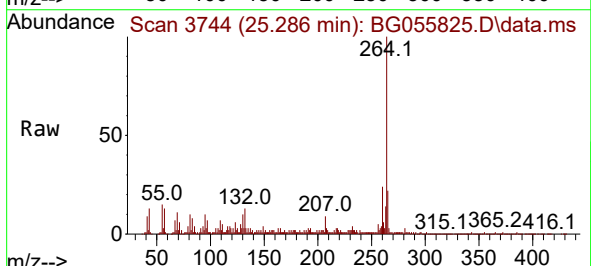
Manual Integrations
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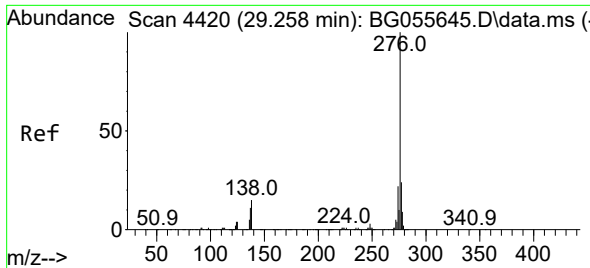
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.286 min Scan# 3744
Delta R.T. 0.015 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

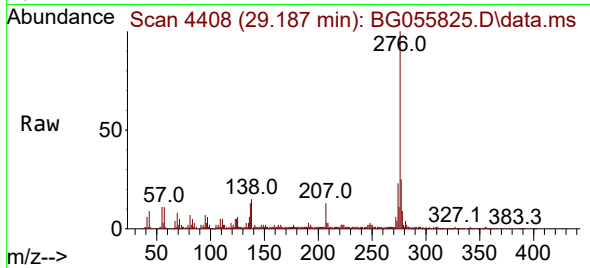
Tgt Ion:264 Resp: 293340
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 21.9 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.099 ng
RT: 29.187 min Scan# 4420
Delta R.T. -0.002 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

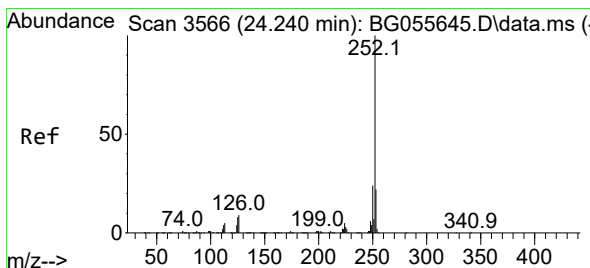
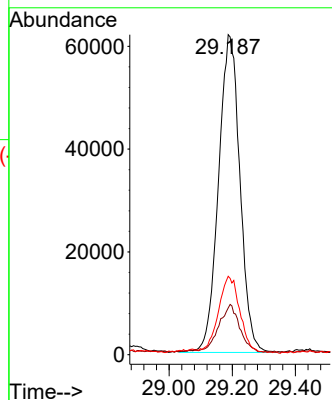
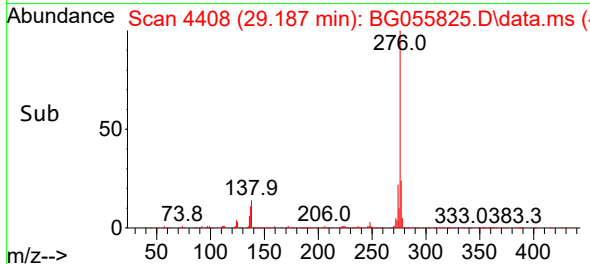
Instrument :
BNA_G
ClientSampleId :
B-7SDL



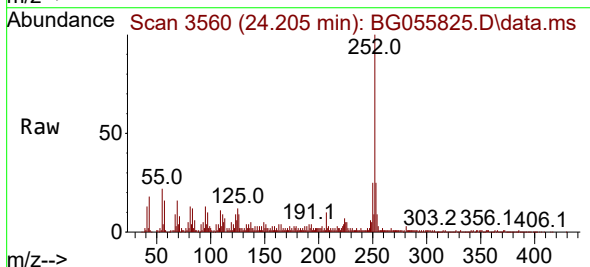
Tgt Ion:276 Resp: 290750
Ion Ratio Lower Upper
276 100
138 14.4 10.4 15.6
277 23.9 20.2 30.4

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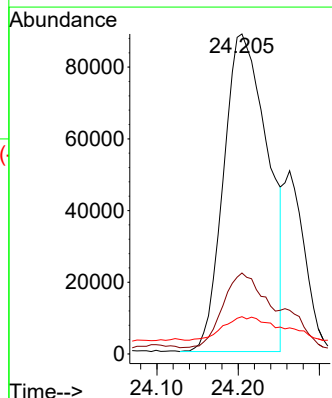
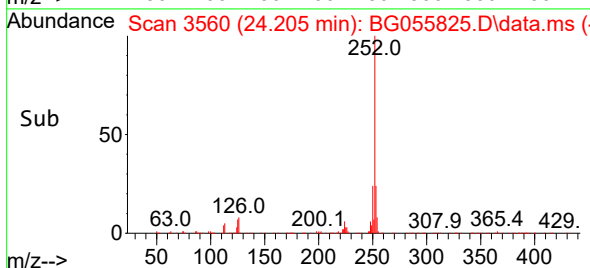
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

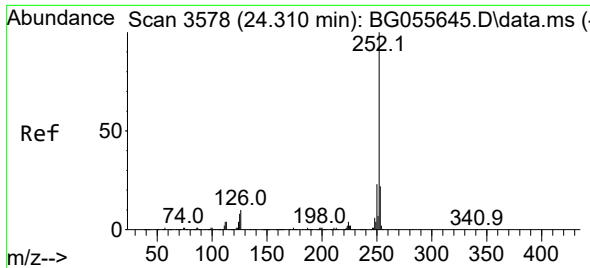


#88
Benzo(b)fluoranthene
Concen: 17.498 ng
RT: 24.205 min Scan# 3560
Delta R.T. 0.015 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34



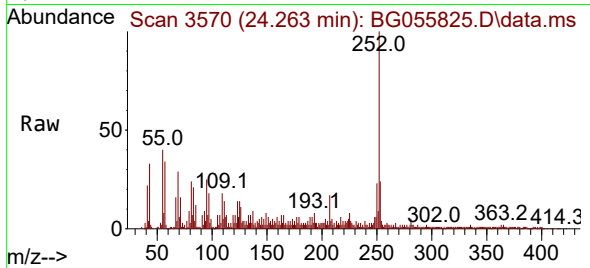
Tgt Ion:252 Resp: 334273
Ion Ratio Lower Upper
252 100
253 25.3 18.0 27.0
125 11.6 6.2 9.2#





#89
Benzo(k)fluoranthene
Concen: 4.814 ng m
RT: 24.263 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

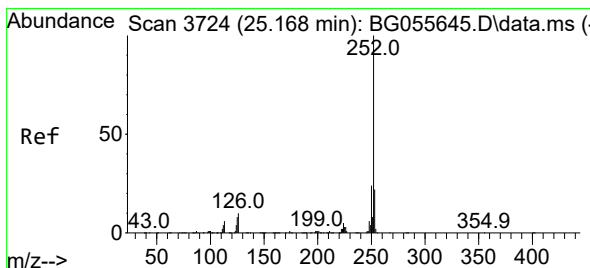
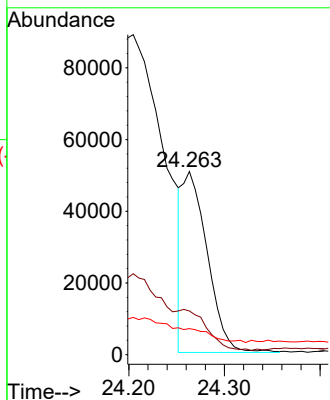
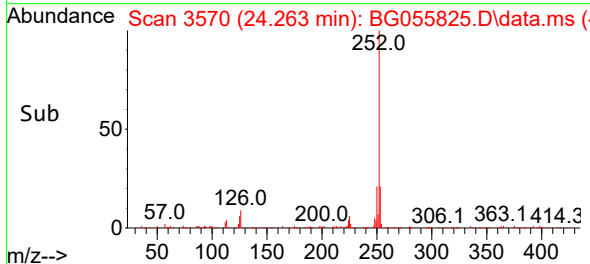
Instrument :
BNA_G
ClientSampleId :
B-7SDL



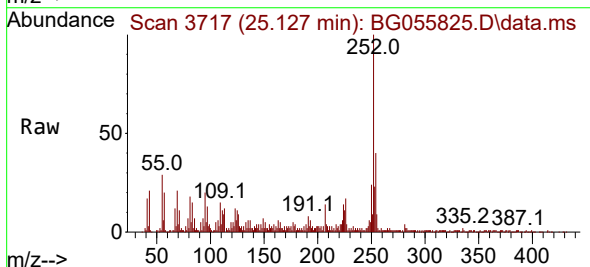
Tgt Ion:252 Resp: 91670
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 14.3 6.1 9.1

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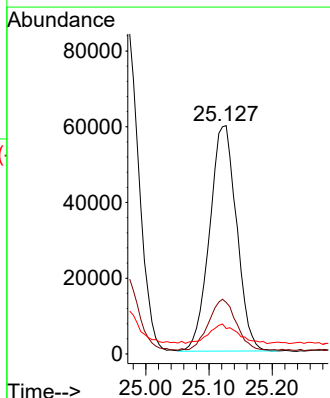
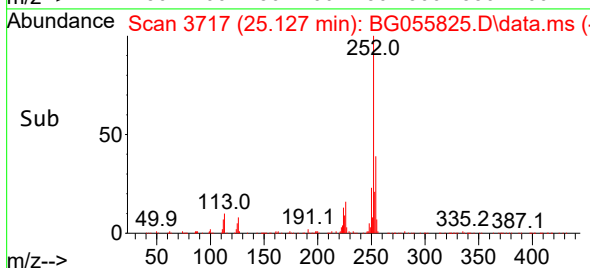
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

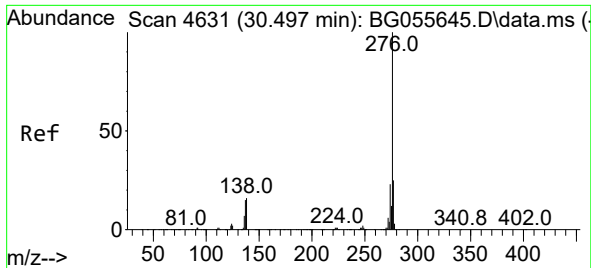


#90
Benzo(a)pyrene
Concen: 10.756 ng
RT: 25.127 min Scan# 3717
Delta R.T. 0.009 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34



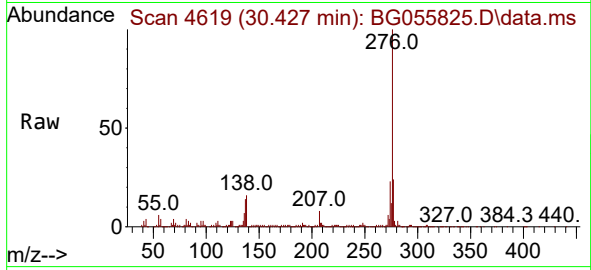
Tgt Ion:252 Resp: 176337
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 11.2 6.4 9.6





#92
Benzo(g,h,i)perylene
Concen: 27.023 ng
RT: 30.427 min Scan# 4619
Delta R.T. 0.009 min
Lab File: BG055825.D
Acq: 29 Nov 2022 12:34

Instrument :
BNA_G
ClientSampleId :
B-7SDL



Tgt Ion:276 Resp: 53484
Ion Ratio Lower Upper
276 100
277 24.4 19.8 29.6
138 15.7 13.1 19.7

Manual Integrations
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Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

