

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120222\
 Data File : BG055881.D
 Acq On : 2 Dec 2022 19:50
 Operator : CG/JU
 Sample : N5803-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCKDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/05/2022
 Supervised By : Jagrut Upadhyay 12/05/2022

Quant Time: Dec 03 04:31:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 04:07:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.201	152	48552	20.000	ng	0.00
21) Naphthalene-d8	11.027	136	217363	20.000	ng	-0.01
39) Acenaphthene-d10	14.828	164	149482	20.000	ng	-0.01
64) Phenanthrene-d10	17.566	188	317796	20.000	ng	-0.01
76) Chrysene-d12	21.861	240	303136	20.000	ng	0.00
86) Perylene-d12	25.240	264	326897	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.733	112	55939	20.825	ng	0.00
7) Phenol-d6	7.349	99	76496	21.394	ng	-0.01
23) Nitrobenzene-d5	9.370	82	49103	11.940	ng	-0.02
42) 2,4,6-Tribromophenol	16.315	330	34425	16.355	ng	-0.01
45) 2-Fluorobiphenyl	13.448	172	125705	12.598	ng	-0.01
79) Terphenyl-d14	20.152	244	199141	13.140	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.558	152	55781	4.001	ng	98
71) Phenanthrene	17.613	178	192713	11.237	ng	99
72) Anthracene	17.702	178	56240	3.375	ng	98
75) Fluoranthene	19.611	202	733416	35.153	ng	99
78) Pyrene	19.975	202	617097	30.075	ng	100
81) Benzo(a)anthracene	21.838	228	401247	19.218	ng	100
83) Chrysene	21.908	228	376816	18.958	ng	99
87) Indeno(1,2,3-cd)pyrene	29.123	276	214011	7.991	ng	# 98
88) Benzo(b)fluoranthene	24.165	252	535538	25.155	ng	99
89) Benzo(k)fluoranthene	24.223	252	189696m	8.939	ng	
90) Benzo(a)pyrene	25.075	252	278372	15.237	ng	99
91) Dibenzo(a,h)anthracene	29.159	278	65193	2.979	ng	92
92) Benzo(g,h,i)perylene	30.340	276	170736	7.741	ng	99

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

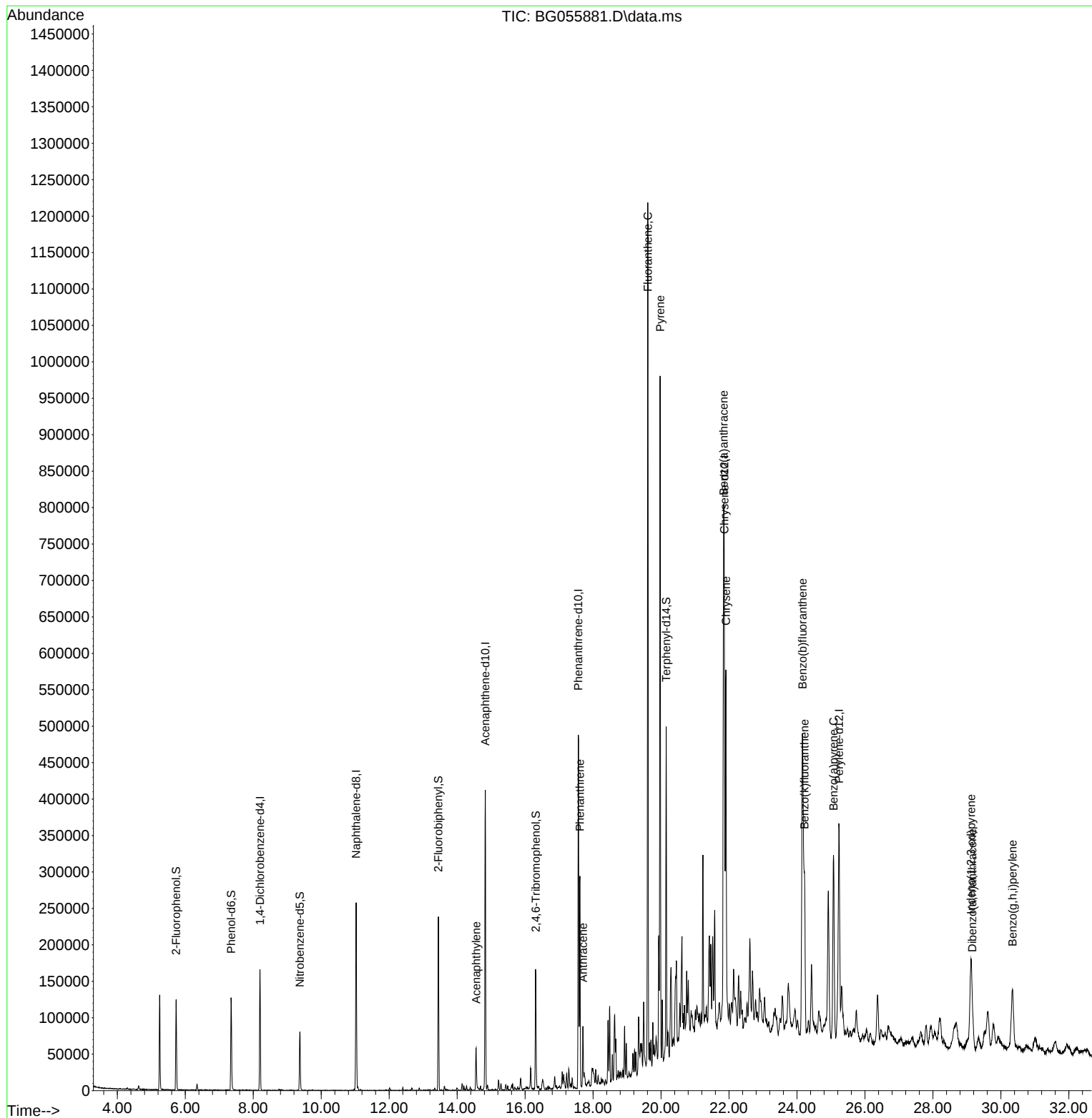
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120222\
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QLast Update : Fri Dec 02 04:07:17 2022
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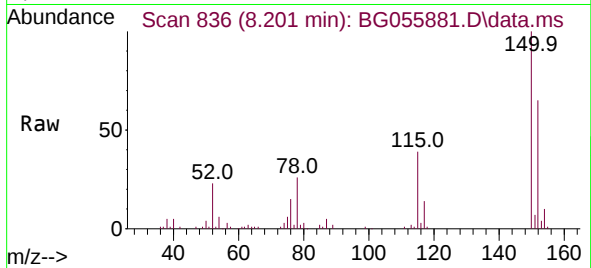
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.201 min Scan# 845
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

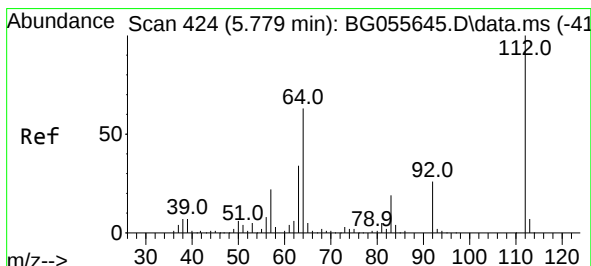
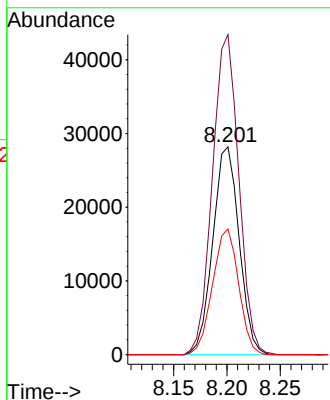
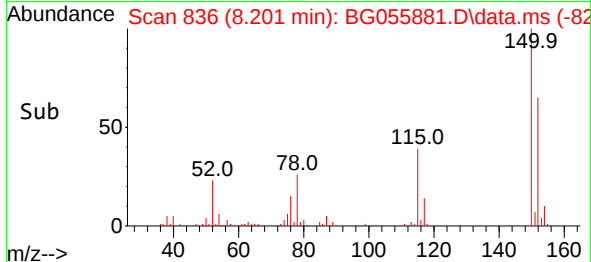
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BNA_G
ClientSampleId :
PEQ-STOCKDL



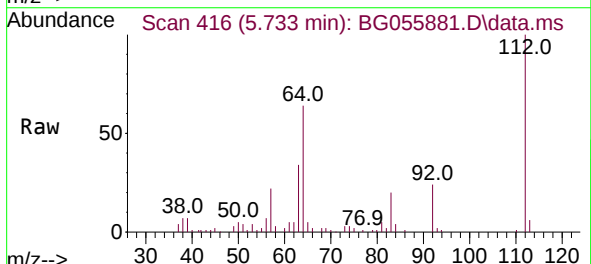
Tgt Ion:152 Resp: 48552
Ion Ratio Lower Upper
152 100
150 154.0 123.0 184.6
115 60.5 47.0 70.4

Manual Integrations
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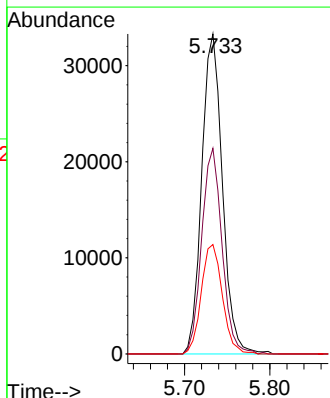
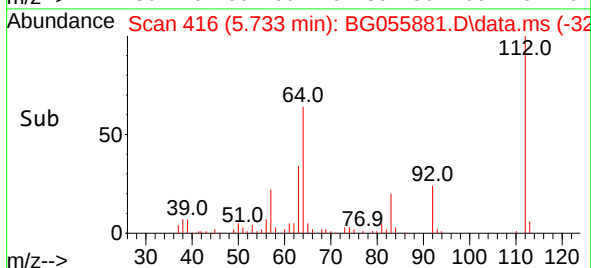
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#5
2-Fluorophenol
Concen: 20.825 ng
RT: 5.733 min Scan# 416
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50



Tgt Ion:112 Resp: 55939
Ion Ratio Lower Upper
112 100
64 64.2 50.6 76.0
63 34.2 27.5 41.3





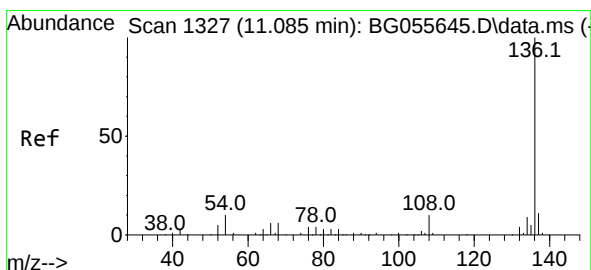
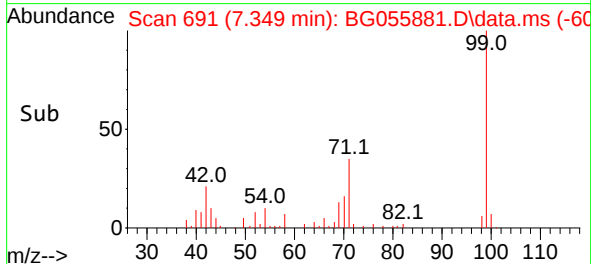
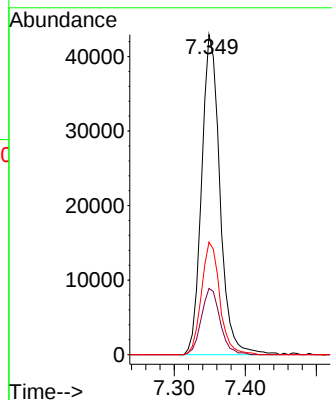
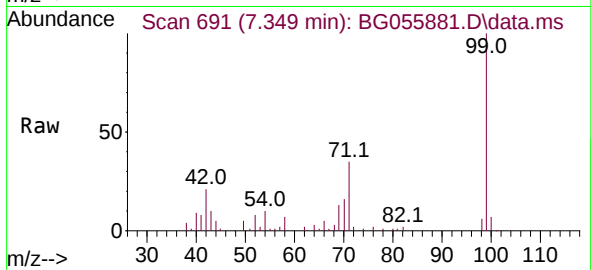
#7
Phenol-d6
Concen: 21.394 ng
RT: 7.349 min Scan# 691
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL

Tgt Ion: 99 Resp: 76496
Ion Ratio Lower Upper
99 100
42 20.7 18.0 27.0
71 35.2 29.0 43.6

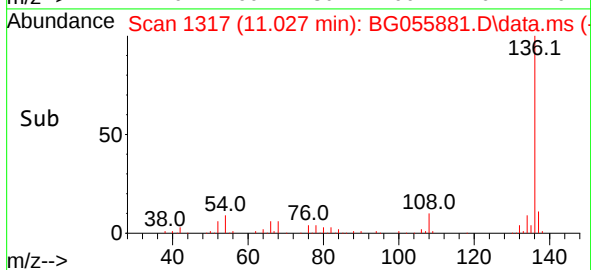
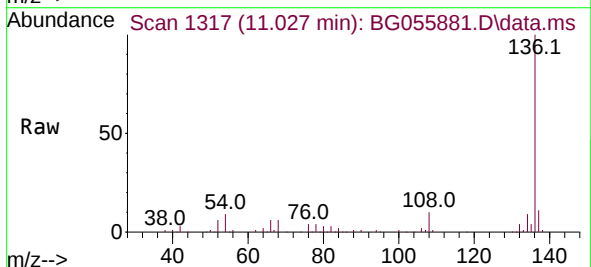
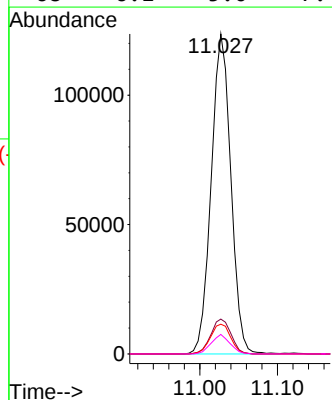
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.027 min Scan# 1317
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:136 Resp: 217363
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 9.3 7.8 11.6
68 6.1 5.0 7.4





#23
Nitrobenzene-d5
Concen: 11.940 ng
RT: 9.370 min Scan# 1045
Delta R.T. -0.016 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Instrument :

BNA_G

ClientSampleId :

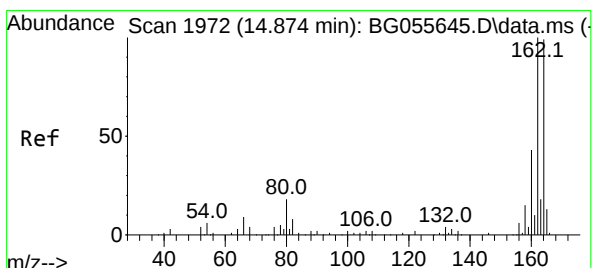
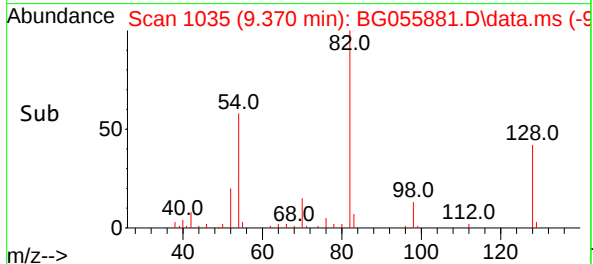
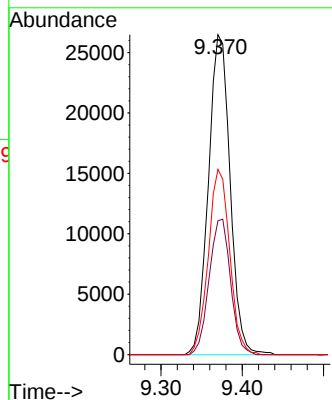
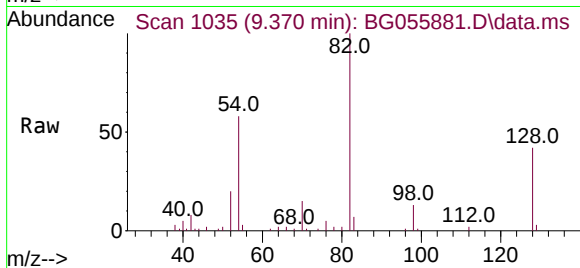
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Tgt Ion: 82 Resp: 49103
Ion Ratio Lower Upper
82 100
128 41.8 34.1 51.1
54 57.9 47.3 70.9

Manual Integrations

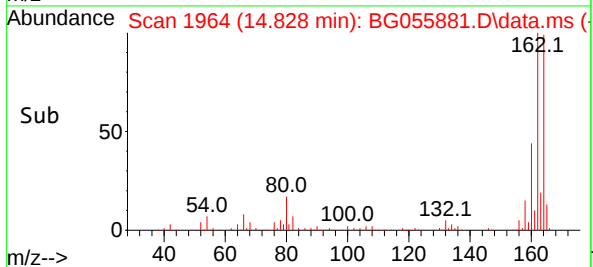
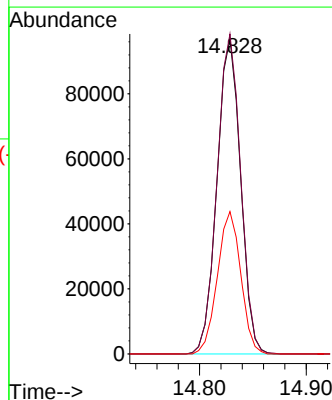
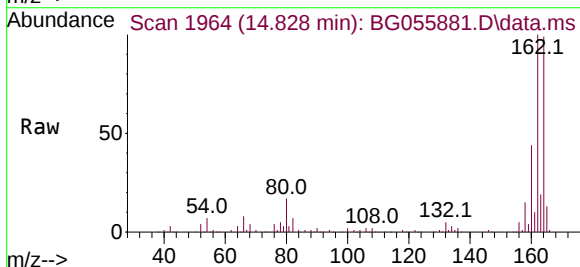
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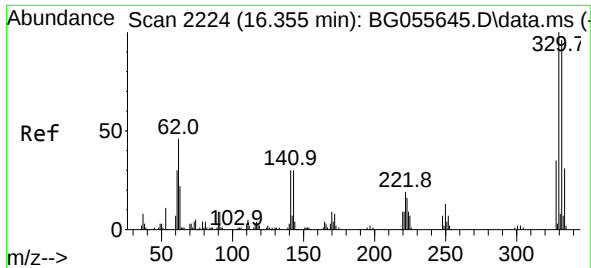
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.828 min Scan# 1964
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

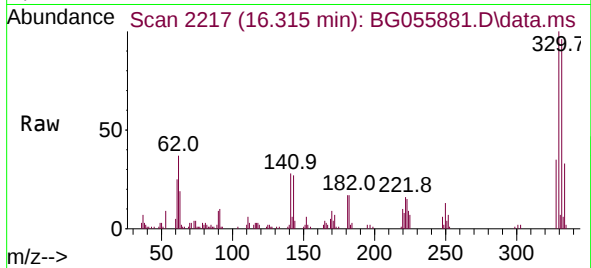
Tgt Ion:164 Resp: 149482
Ion Ratio Lower Upper
164 100
162 101.5 81.1 121.7
160 45.1 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 16.355 ng
RT: 16.315 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

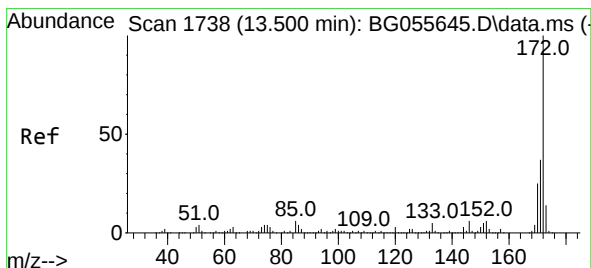
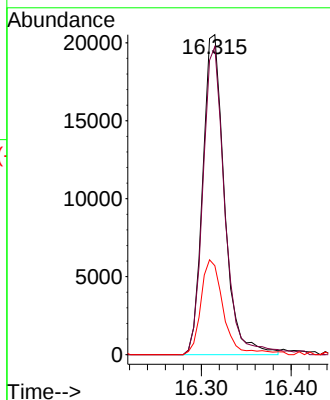
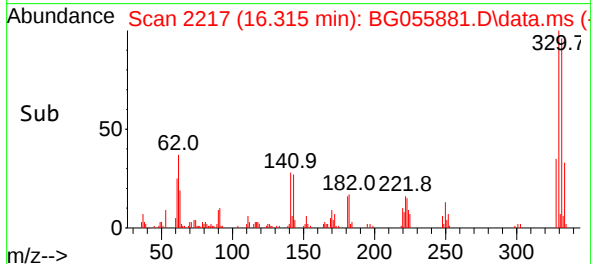
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL



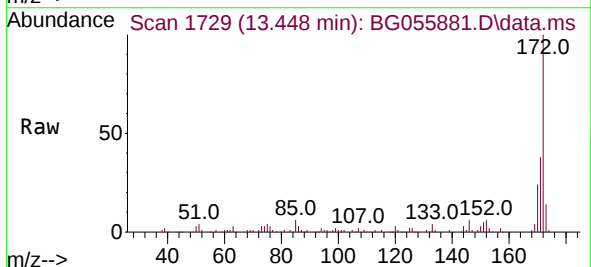
Tgt Ion:330 Resp: 34425
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.8
141 30.9 23.9 35.9

Manual Integrations
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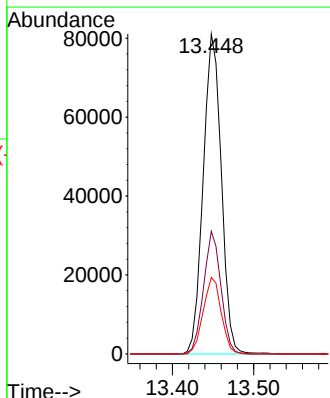
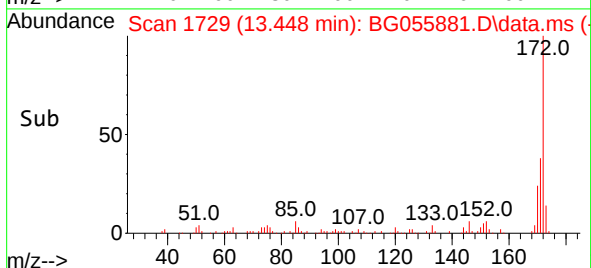
Reviewed By :Christian Giraldo 12/05/2022
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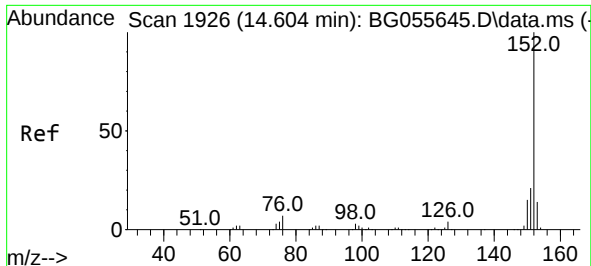


#45
2-Fluorobiphenyl
Concen: 12.598 ng
RT: 13.448 min Scan# 1729
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50



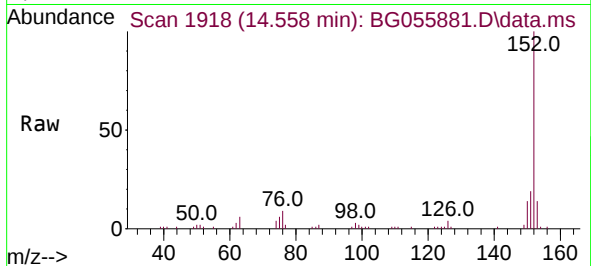
Tgt Ion:172 Resp: 125705
Ion Ratio Lower Upper
172 100
171 38.3 29.8 44.6
170 23.9 20.2 30.4





#49
Acenaphthylene
Concen: 4.001 ng
RT: 14.558 min Scan# 1926
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

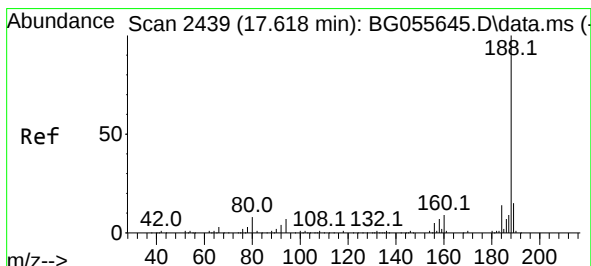
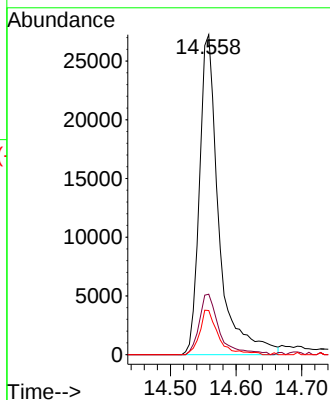
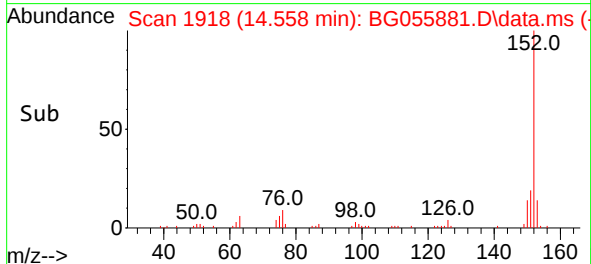
Instrument :
BNA_G
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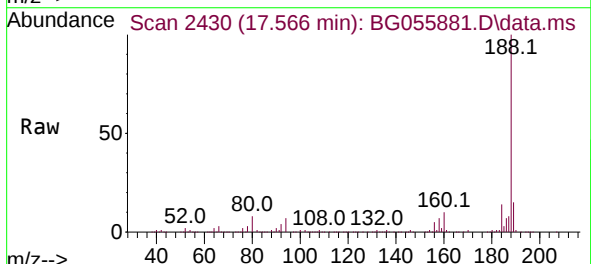
Tgt Ion:152 Resp: 5578
Ion Ratio Lower Upper
152 100
151 18.9 16.4 24.6
153 13.8 11.0 16.4

Manual Integrations
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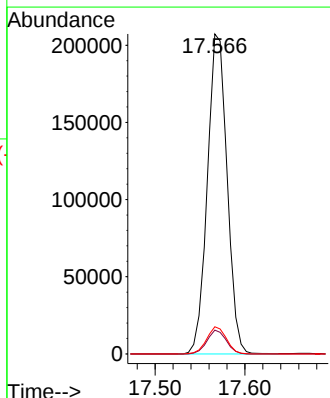
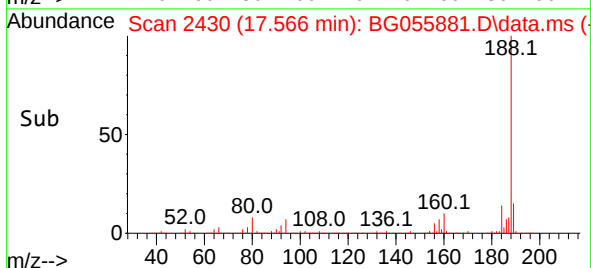
Reviewed By :Christian Giraldo 12/05/2022
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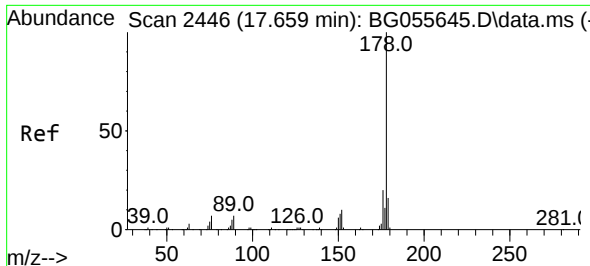


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.566 min Scan# 2430
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50



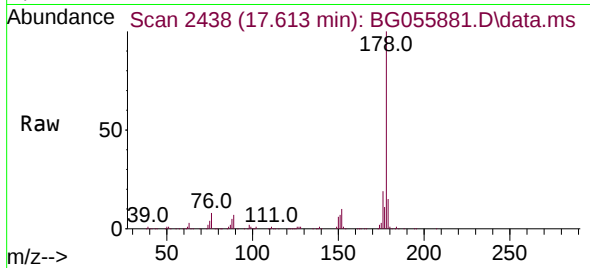
Tgt Ion:188 Resp: 317796
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.2
80 8.5 6.6 10.0





#71
Phenanthrene
Concen: 11.237 ng
RT: 17.613 min Scan# 2446
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

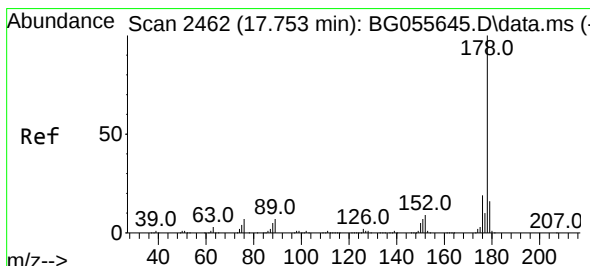
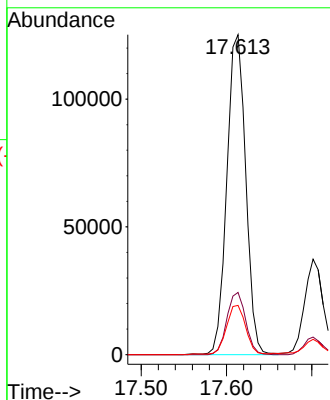
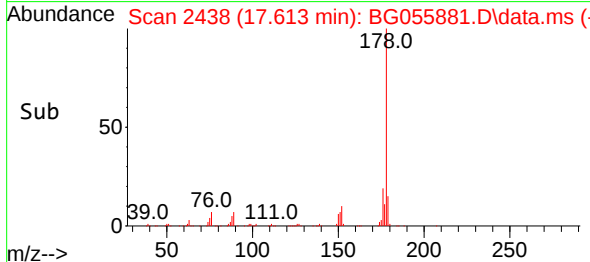
Instrument :
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PEQ-STOCKDL



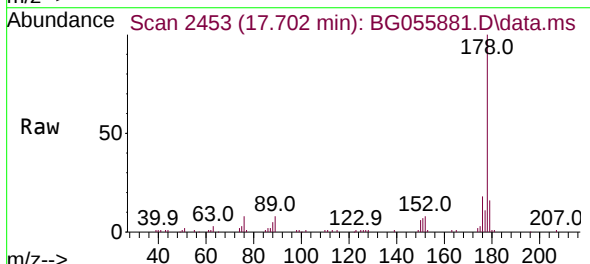
Tgt Ion:178 Resp: 192713
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.4 12.7 19.1

Manual Integrations
APPROVED

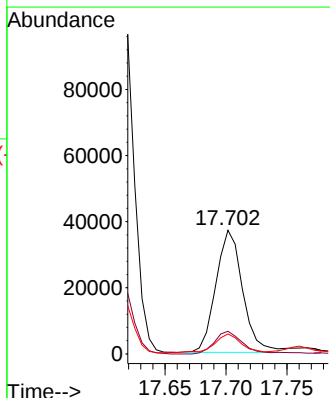
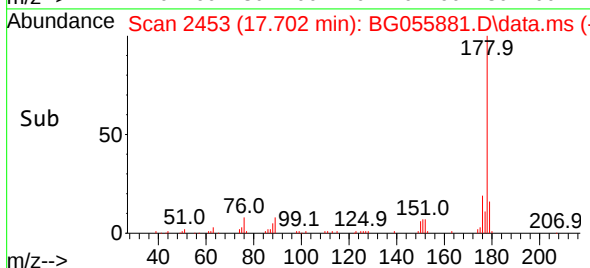
Reviewed By :Christian Giraldo 12/05/2022
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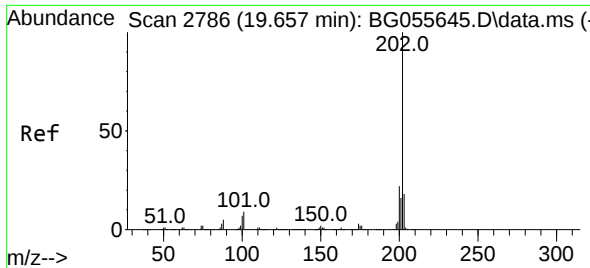


#72
Anthracene
Concen: 3.375 ng
RT: 17.702 min Scan# 2453
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50



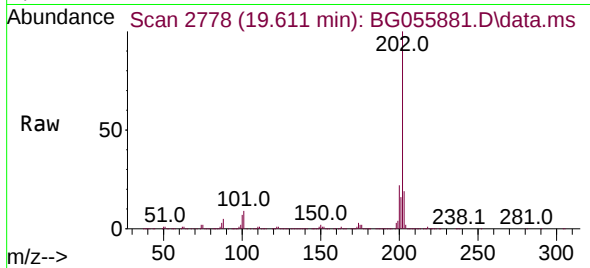
Tgt Ion:178 Resp: 56240
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 16.1 12.5 18.7





#75
Fluoranthene
Concen: 35.153 ng
RT: 19.611 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

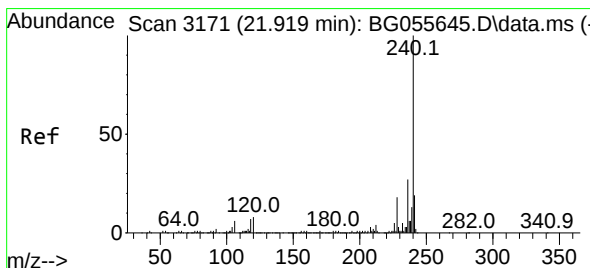
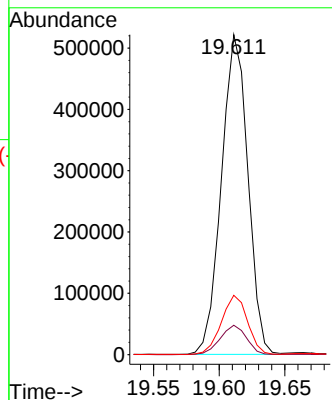
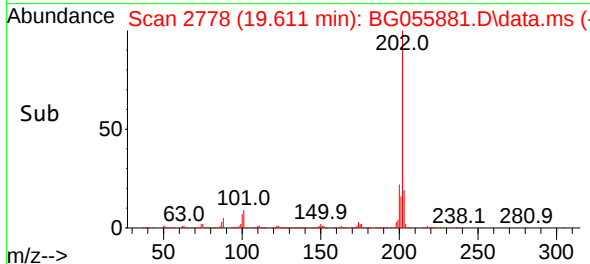
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:202 Resp: 733416
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.8
203 18.5 0.0 38.1

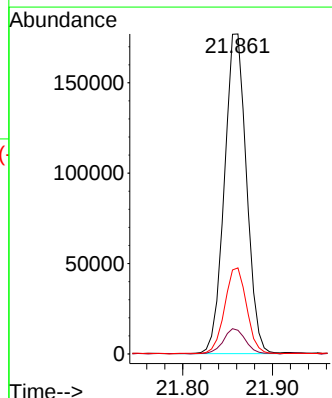
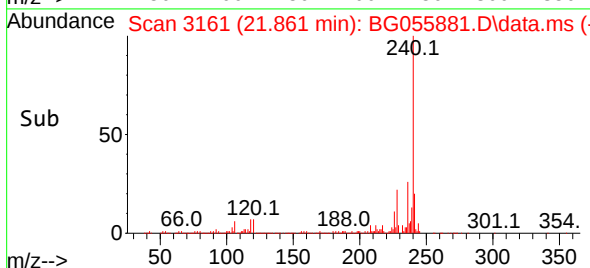
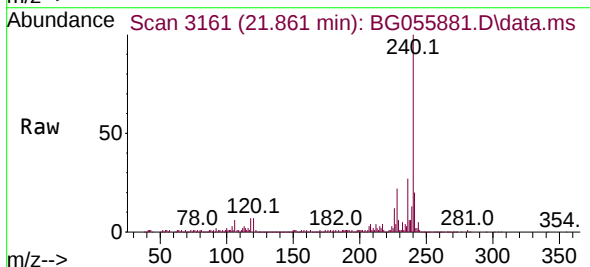
Manual Integrations
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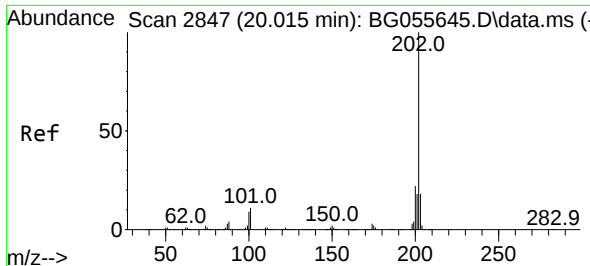
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3161
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

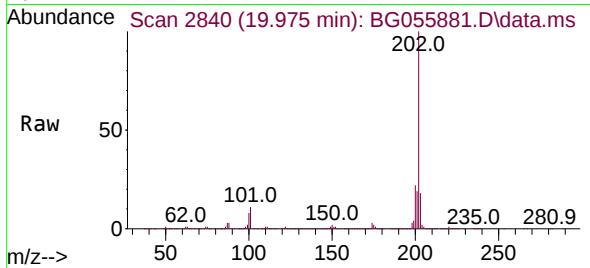
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Ion Ratio Lower Upper
240 100
120 7.4 6.3 9.5
236 26.9 21.9 32.9





#78
Pyrene
Concen: 30.075 ng
RT: 19.975 min Scan# 2847
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

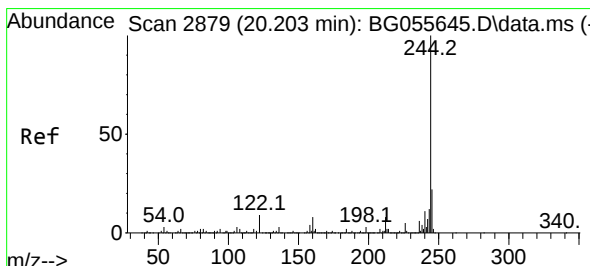
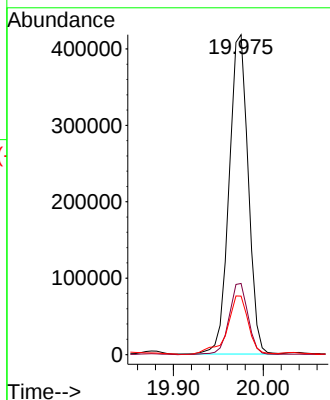
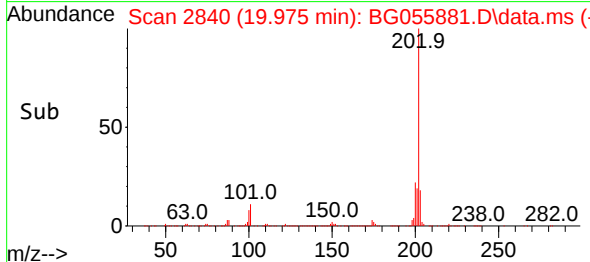
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL



Tgt Ion:202 Resp: 617097
Ion Ratio Lower Upper
202 100
200 22.2 17.8 26.6
203 18.3 14.4 21.6

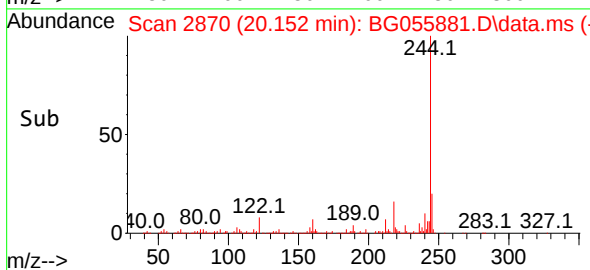
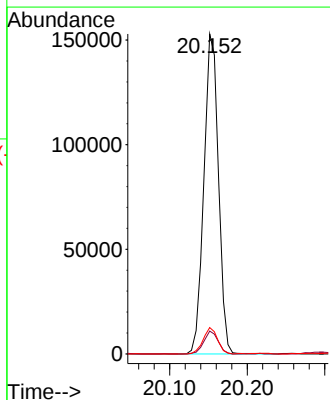
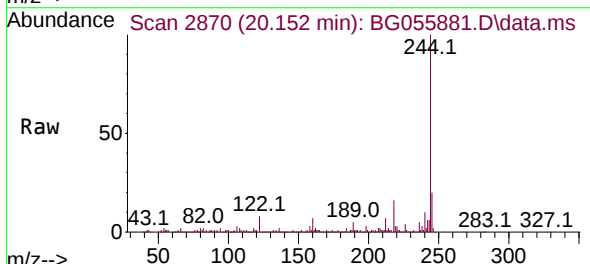
Manual Integrations
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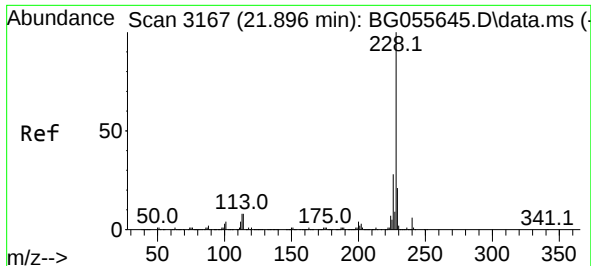
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#79
Terphenyl-d14
Concen: 13.140 ng
RT: 20.152 min Scan# 2870
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

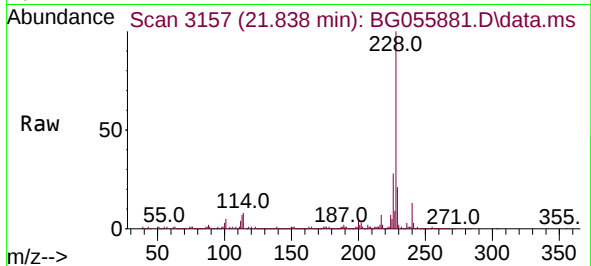
Tgt Ion:244 Resp: 199141
Ion Ratio Lower Upper
244 100
212 7.1 6.3 9.5
122 8.2 6.9 10.3





#81
Benzo(a)anthracene
Concen: 19.218 ng
RT: 21.838 min Scan# 3167
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

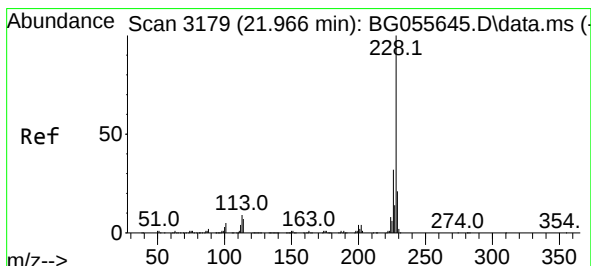
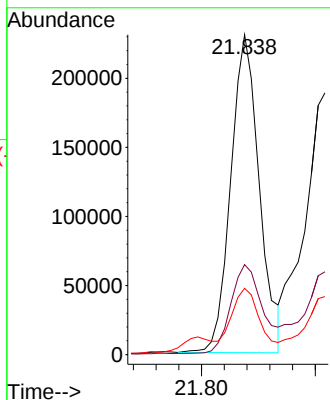
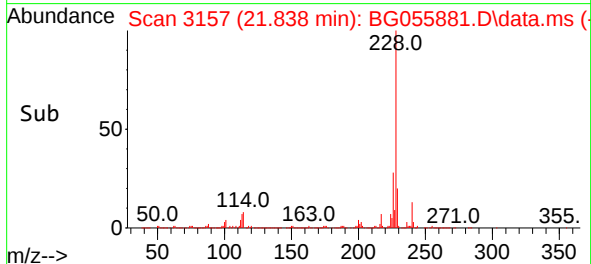
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL



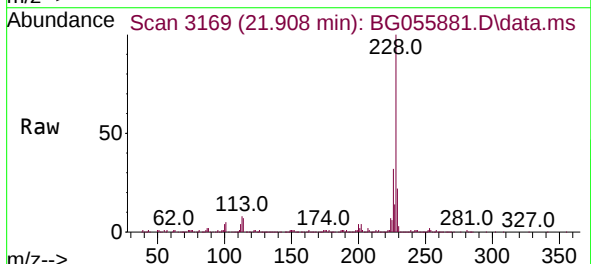
Tgt Ion:228 Resp: 401247
Ion Ratio Lower Upper
228 100
226 28.2 22.7 34.1
229 20.7 16.5 24.7

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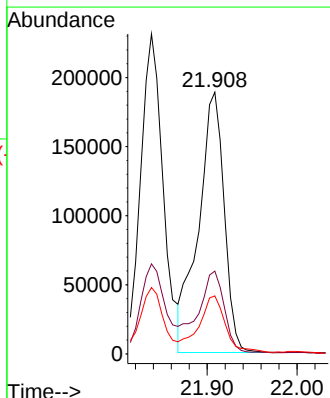
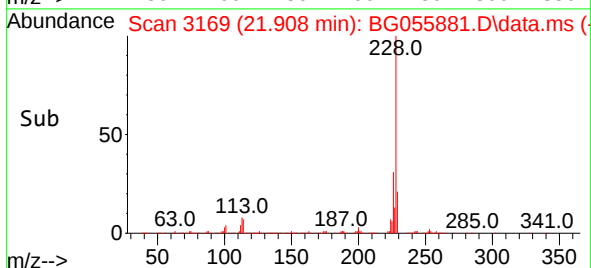
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022

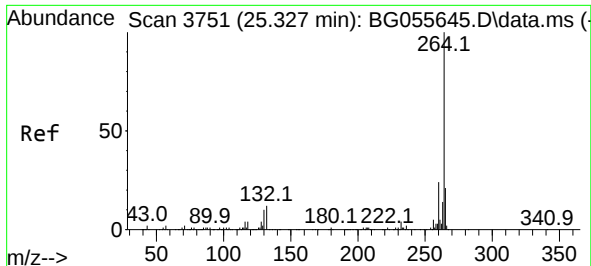


#83
Chrysene
Concen: 18.958 ng
RT: 21.908 min Scan# 3169
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50



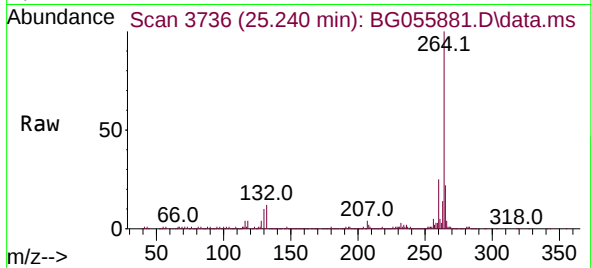
Tgt Ion:228 Resp: 376816
Ion Ratio Lower Upper
228 100
226 31.6 25.4 38.2
229 22.2 17.1 25.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.240 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

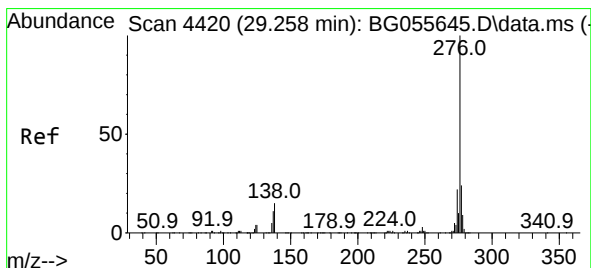
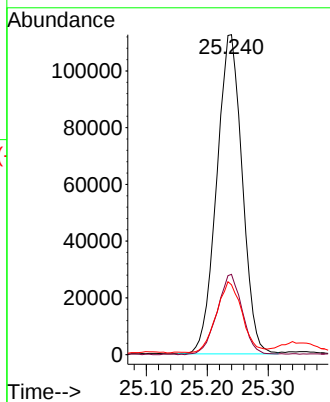
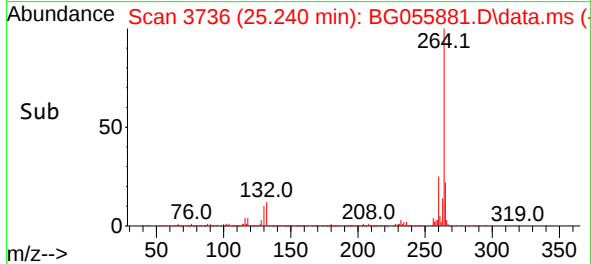
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL



Tgt Ion:264 Resp: 326897
Ion Ratio Lower Upper
264 100
260 25.1 19.5 29.3
265 21.8 17.1 25.7

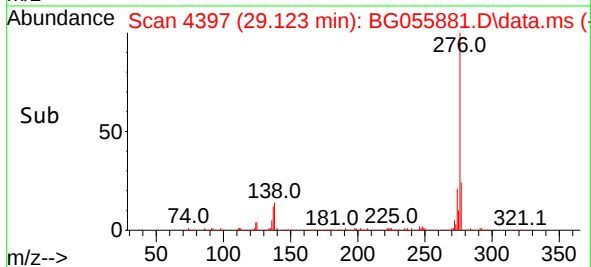
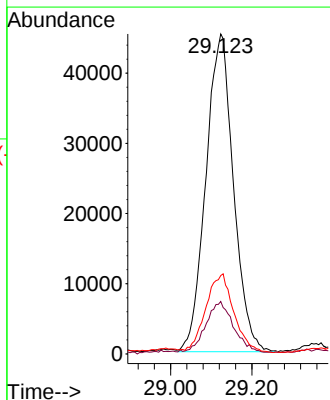
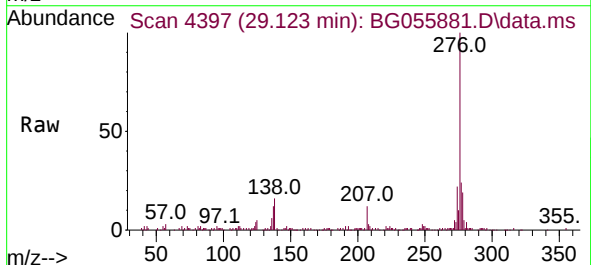
Manual Integrations
APPROVED

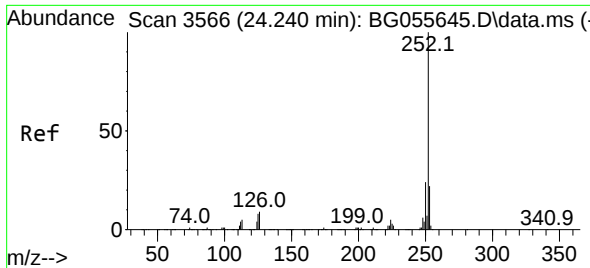
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.991 ng
RT: 29.123 min Scan# 4397
Delta R.T. -0.028 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

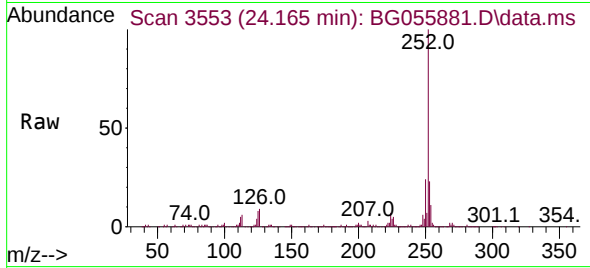
Tgt Ion:276 Resp: 214011
Ion Ratio Lower Upper
276 100
138 15.7 10.4 15.6#
277 25.2 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 25.155 ng
RT: 24.165 min Scan# 3553
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

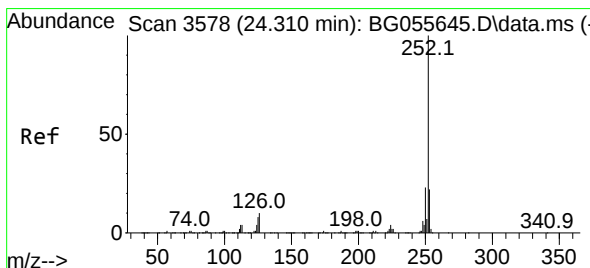
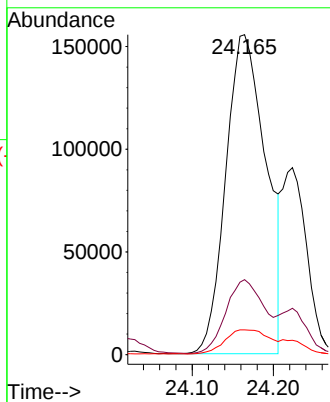
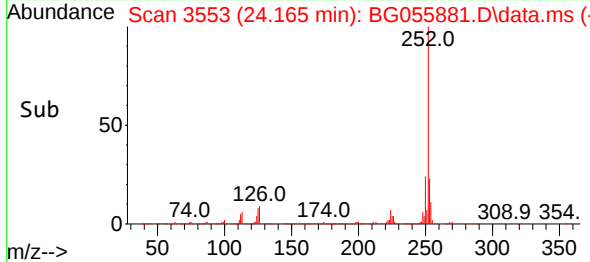
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL



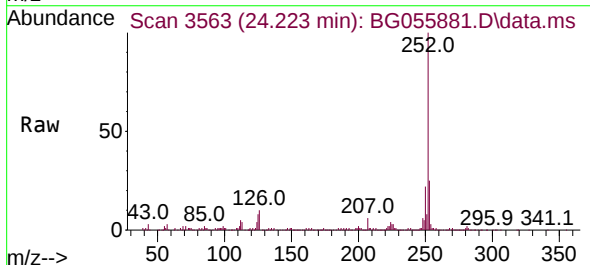
Tgt Ion:252 Resp: 535538
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 7.7 6.2 9.2

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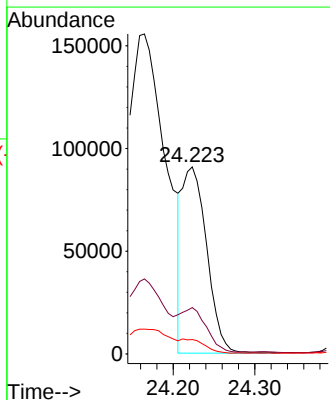
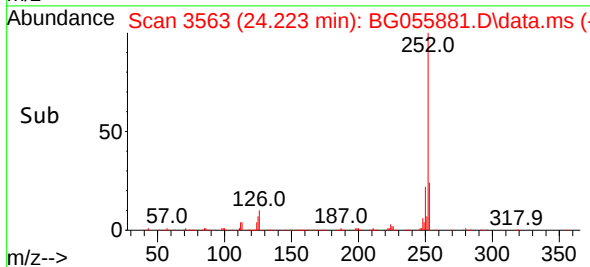
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022

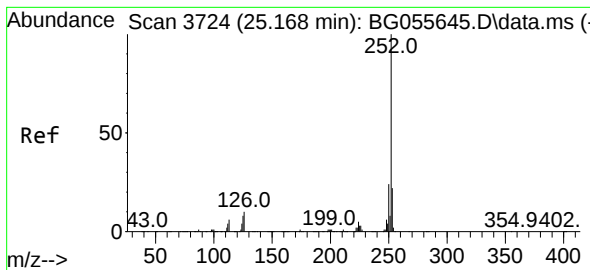


#89
Benzo(k)fluoranthene
Concen: 8.939 ng m
RT: 24.223 min Scan# 3563
Delta R.T. -0.016 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50



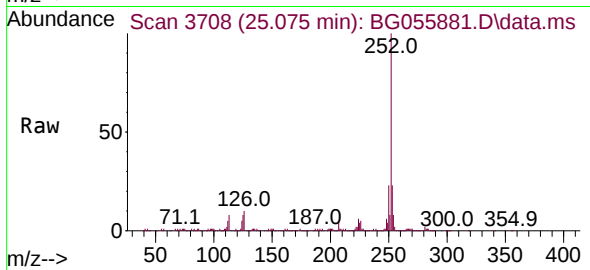
Tgt Ion:252 Resp: 189696
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.6
125 7.7 6.1 9.1





#90
Benzo(a)pyrene
Concen: 15.237 ng
RT: 25.075 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

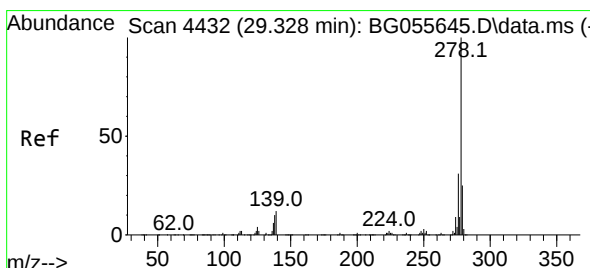
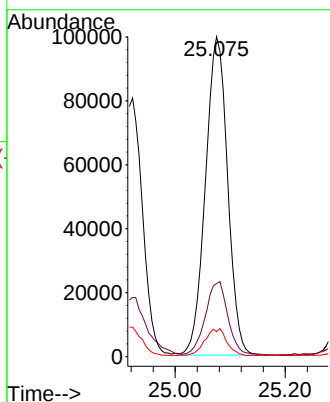
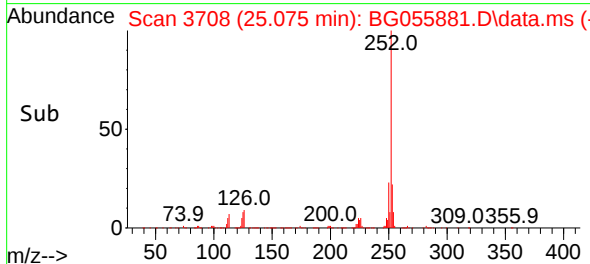
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL



Tgt Ion:252 Resp: 278372
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 7.8 6.4 9.6

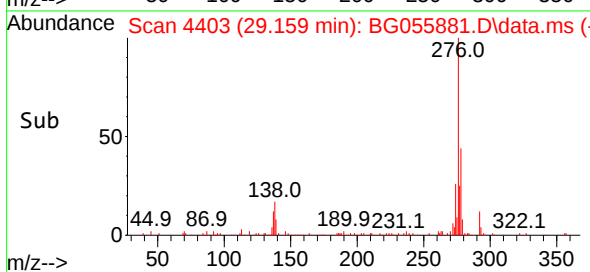
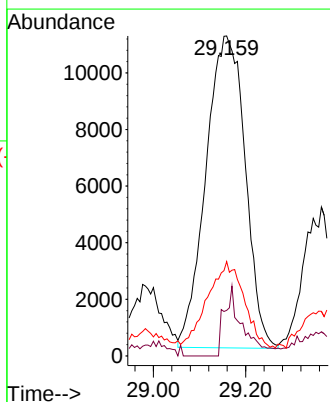
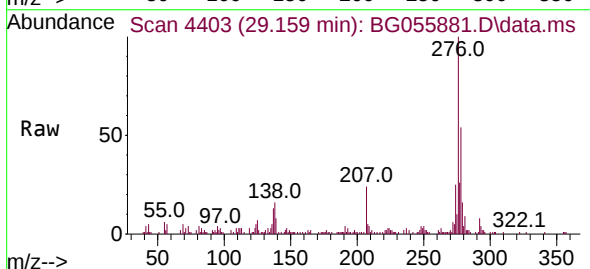
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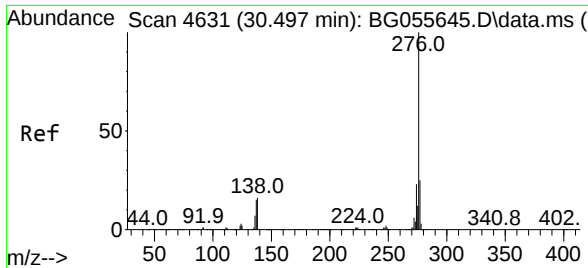
Reviewed By :Christian Giraldo 12/05/2022
Supervised By :Jagrut Upadhyay 12/05/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.979 ng
RT: 29.159 min Scan# 4403
Delta R.T. -0.051 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

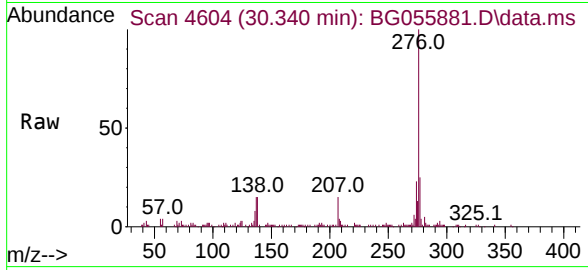
Tgt Ion:278 Resp: 65193
Ion Ratio Lower Upper
278 100
139 14.2 9.8 14.8
279 29.5 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 7.741 ng
 RT: 30.340 min Scan# 4604
 Delta R.T. -0.034 min
 Lab File: BG055881.D
 Acq: 2 Dec 2022 19:50

Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCKDL



Tgt Ion: 276 Resp: 170736

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.6
138	15.2	13.1	19.7

Manual Integrations
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Reviewed By : Christian Giraldo 12/05/2022
 Supervised By : Jagrut Upadhyay 12/05/2022

