

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111622\
 Data File : BG055656.D
 Acq On : 16 Nov 2022 21:04
 Operator : CG/JU
 Sample : N5494-19RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-21RE

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/17/2022
 Supervised By :mohammad ahmed 11/17/2022

Quant Time: Nov 17 02:13:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	50935	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	211901	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	140932	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	297962	20.000	ng	0.00
76) Chrysene-d12	21.913	240	279303	20.000	ng	0.00
86) Perylene-d12	25.333	264	301893	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	283464	100.592	ng	0.00
7) Phenol-d6	7.395	99	378587	100.926	ng	0.00
23) Nitrobenzene-d5	9.428	82	235674	58.785	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	176982	89.182	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	550589	58.528	ng	0.00
79) Terphenyl-d14	20.204	244	774155	55.438	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.657	202	97040	4.961	ng	99
78) Pyrene	20.016	202	164516	8.702	ng	98
81) Benzo(a)anthracene	21.896	228	106660	5.544	ng	98
83) Chrysene	21.966	228	121302m	6.624	ng	
87) Indeno(1,2,3-cd)pyrene	29.258	276	66390	2.684	ng	# 82
88) Benzo(b)fluoranthene	24.246	252	143010	7.274	ng	# 93
90) Benzo(a)pyrene	25.174	252	124072	7.354	ng	# 98
92) Benzo(g,h,i)perylene	30.491	276	73325m	3.600	ng	

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

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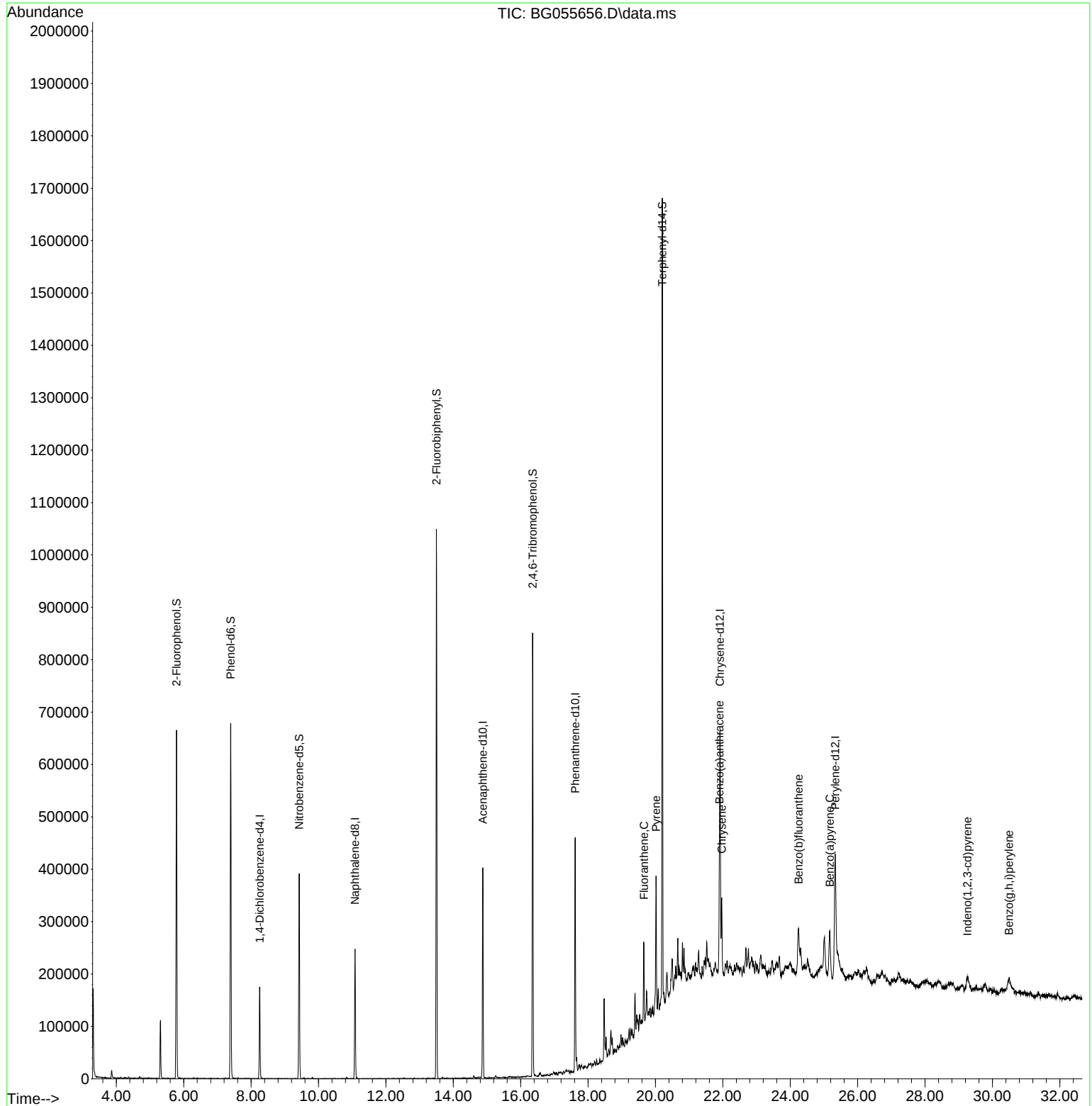
Manual Integrations

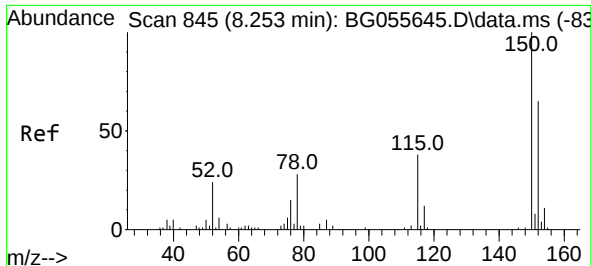
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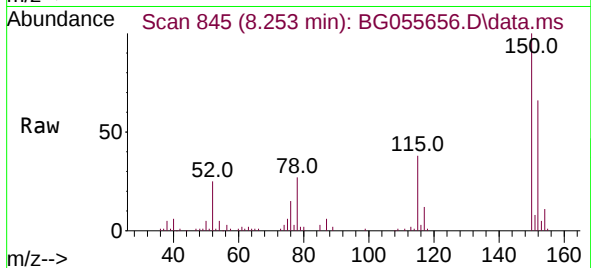
Quant Time: Nov 17 02:13:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
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QLast Update : Thu Nov 17 02:02:46 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

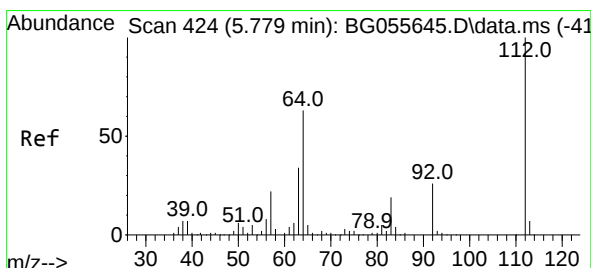
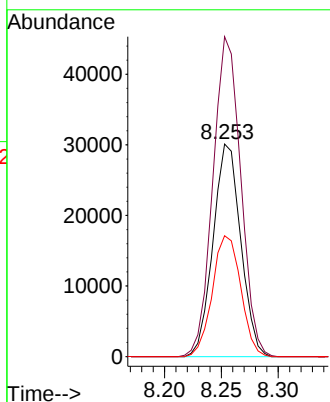
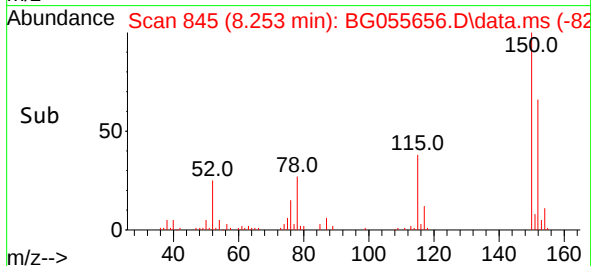
Instrument :
BNA_G
ClientSampleId :
SB-21RE



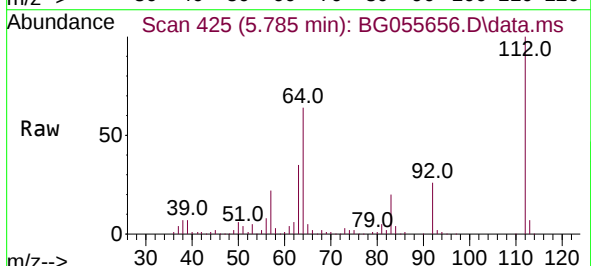
Tgt Ion:152 Resp: 50935
Ion Ratio Lower Upper
152 100
150 150.5 123.0 184.6
115 56.9 47.0 70.4

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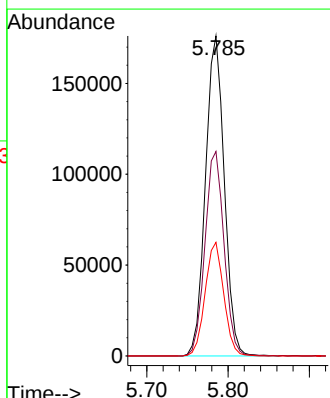
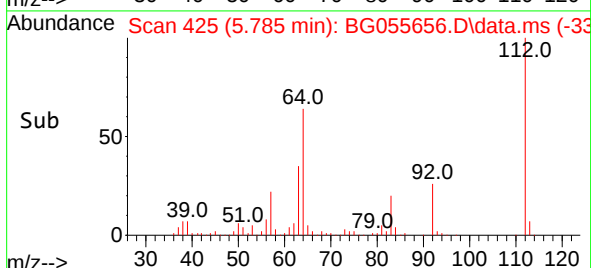
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

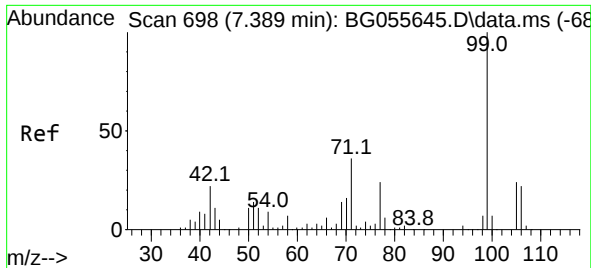


#5
2-Fluorophenol
Concen: 100.592 ng
RT: 5.785 min Scan# 425
Delta R.T. 0.006 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04



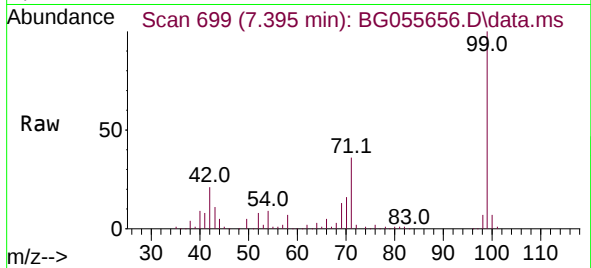
Tgt Ion:112 Resp: 283464
Ion Ratio Lower Upper
112 100
64 63.9 50.6 76.0
63 35.5 27.5 41.3





#7
Phenol-d6
Concen: 100.926 ng
RT: 7.395 min Scan# 698
Delta R.T. 0.006 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

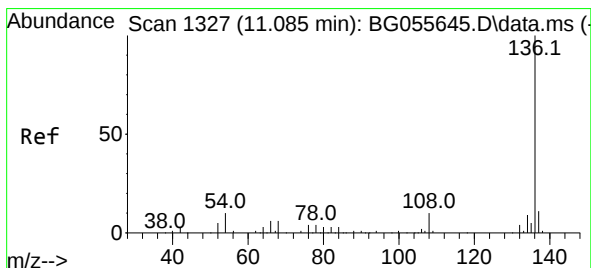
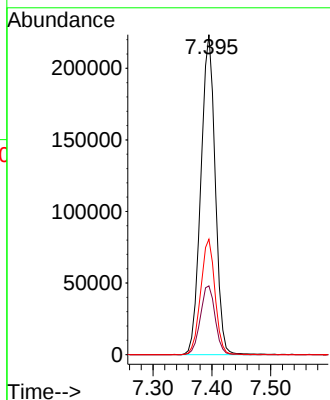
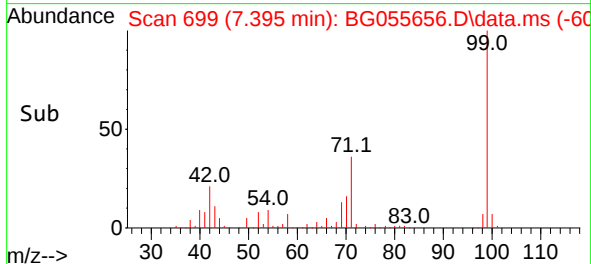
Instrument :
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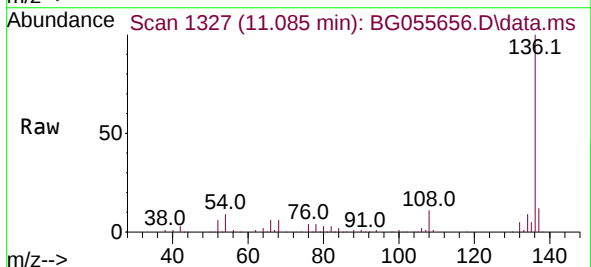
Tgt Ion: 99 Resp: 37858
Ion Ratio Lower Upper
99 100
42 21.5 18.0 27.0
71 36.1 29.0 43.6

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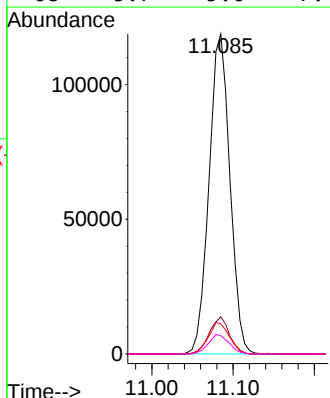
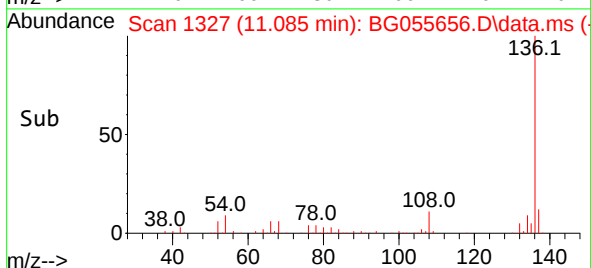
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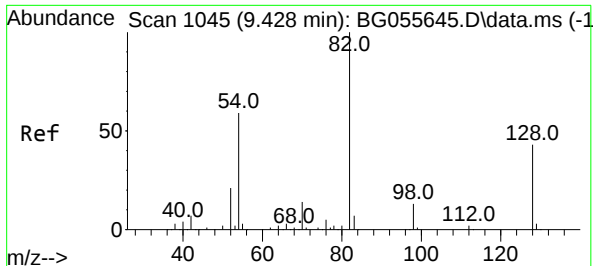


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04



Tgt Ion:136 Resp: 211901
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 9.4 7.8 11.6
68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 58.785 ng

RT: 9.428 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

SB-21RE

Tgt Ion: 82 Resp: 235674

Ion Ratio Lower Upper

82 100

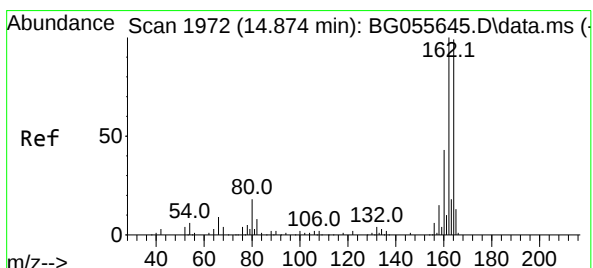
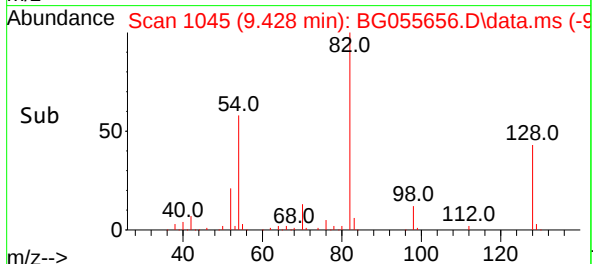
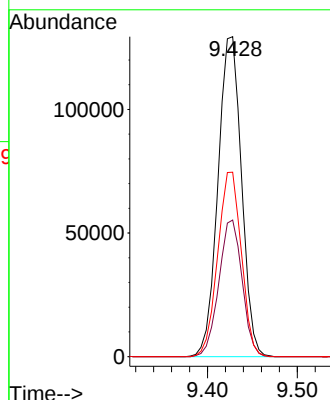
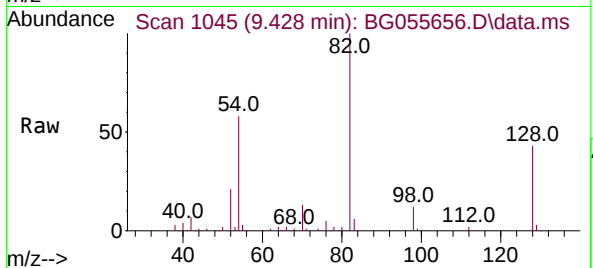
128 42.7 34.1 51.1

54 57.6 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.874 min Scan# 1972

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

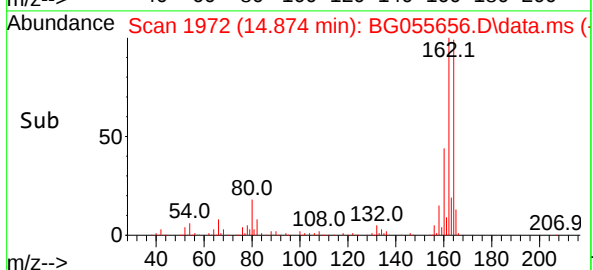
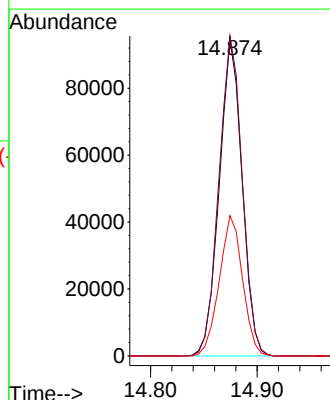
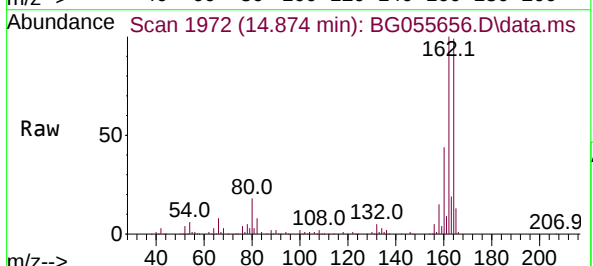
Tgt Ion:164 Resp: 140932

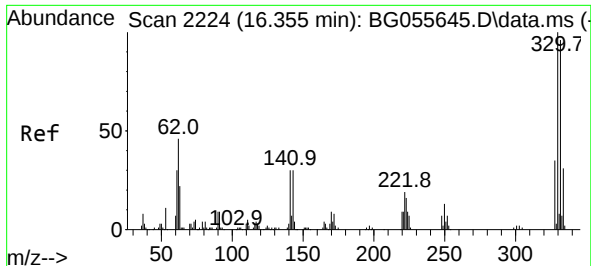
Ion Ratio Lower Upper

164 100

162 100.9 81.1 121.7

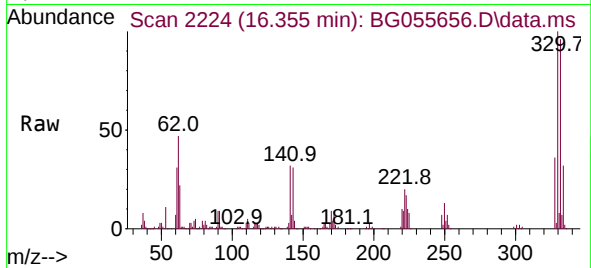
160 44.2 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 89.182 ng
RT: 16.355 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

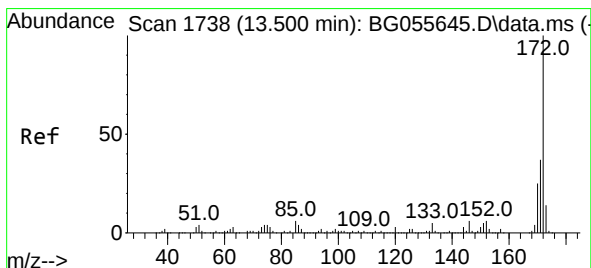
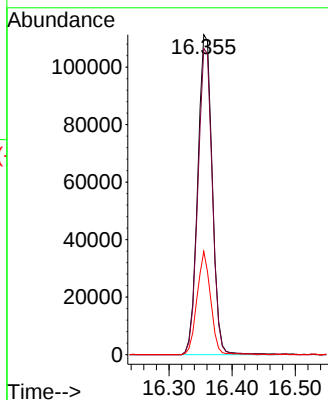
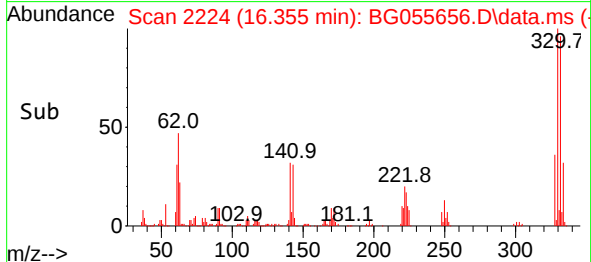
Instrument :
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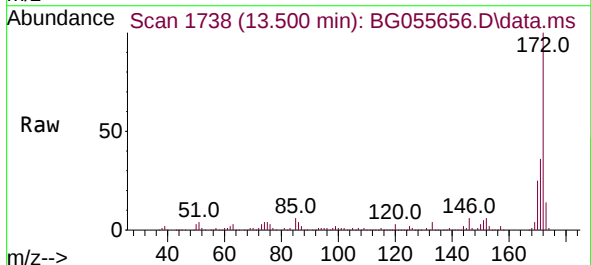
Tgt Ion:330 Resp: 176982
Ion Ratio Lower Upper
330 100
332 94.7 77.8 116.8
141 30.2 23.9 35.9

Manual Integrations
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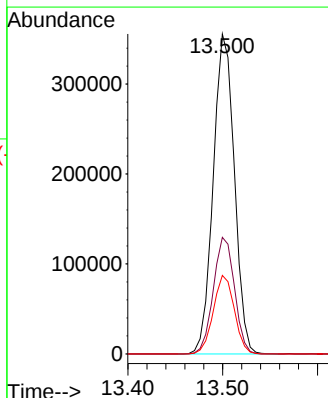
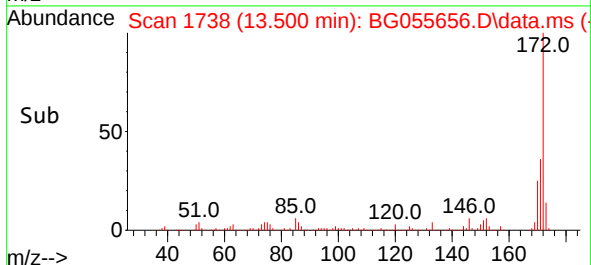
Reviewed By :Christian Giraldo 11/17/2022
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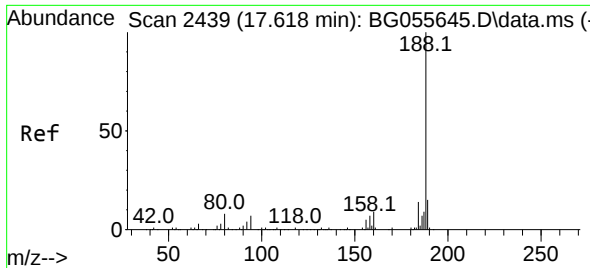


#45
2-Fluorobiphenyl
Concen: 58.528 ng
RT: 13.500 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04



Tgt Ion:172 Resp: 550589
Ion Ratio Lower Upper
172 100
171 36.4 29.8 44.6
170 24.5 20.2 30.4





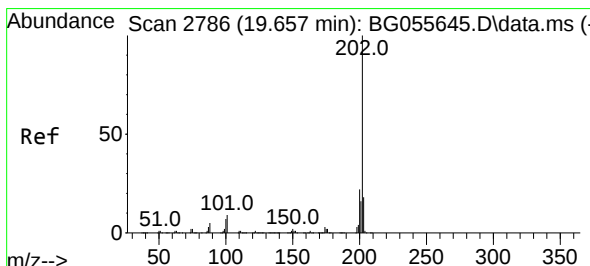
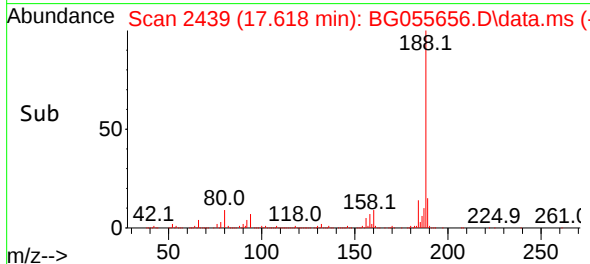
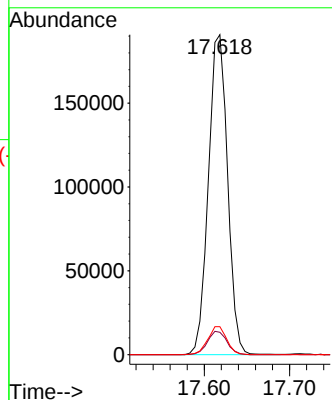
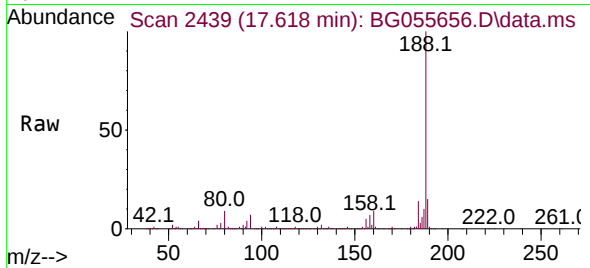
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Instrument :
BNA_G
ClientSampleId :
SB-21RE

Tgt Ion:188 Resp: 297962
Ion Ratio Lower Upper
188 100
94 7.0 5.4 8.2
80 8.7 6.6 10.0

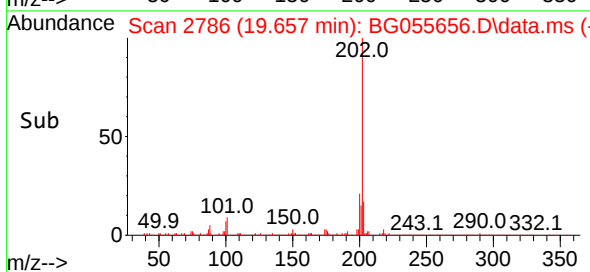
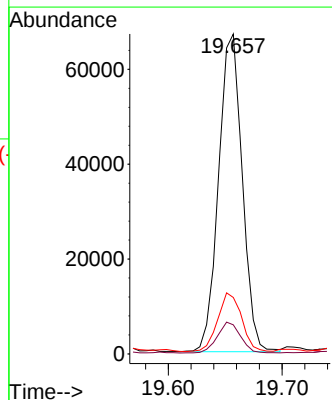
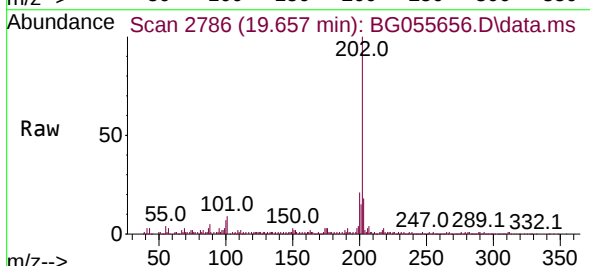
Manual Integrations
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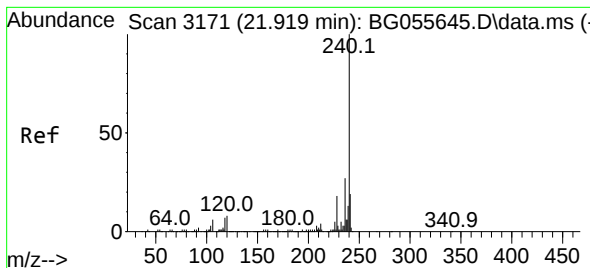
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022



#75
Fluoranthene
Concen: 4.961 ng
RT: 19.657 min Scan# 2786
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Tgt Ion:202 Resp: 97040
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.8
203 17.6 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.913 min Scan# 3171

Delta R.T. -0.006 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

SB-21RE

Tgt Ion:240 Resp: 279303

Ion Ratio Lower Upper

240 100

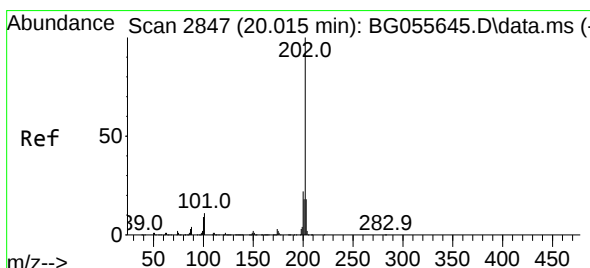
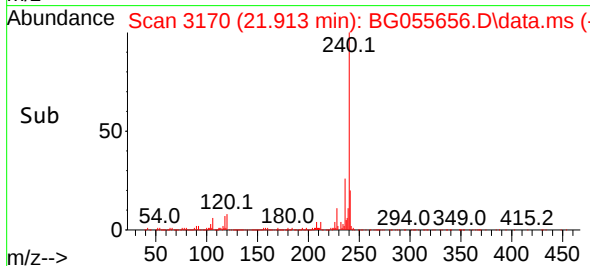
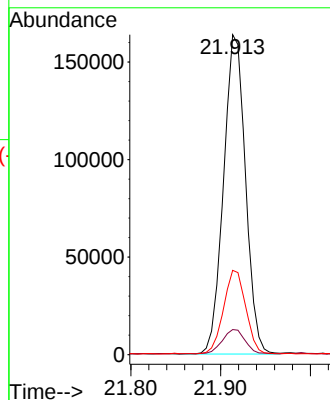
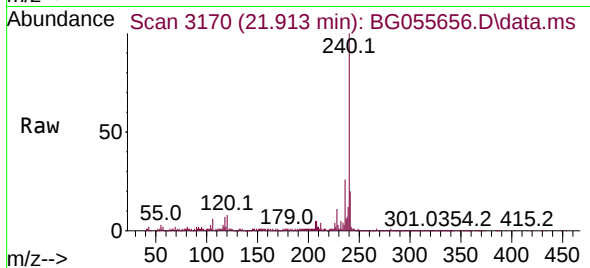
120 7.8 6.3 9.5

236 26.3 21.9 32.9

Manual Integrations

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#78

Pyrene

Concen: 8.702 ng

RT: 20.016 min Scan# 2847

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

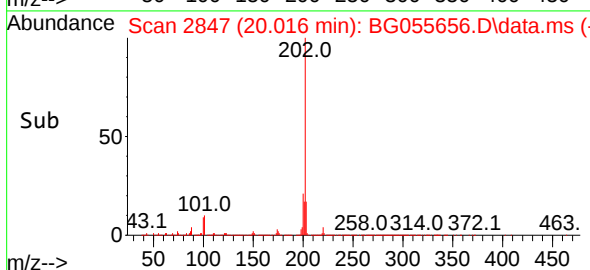
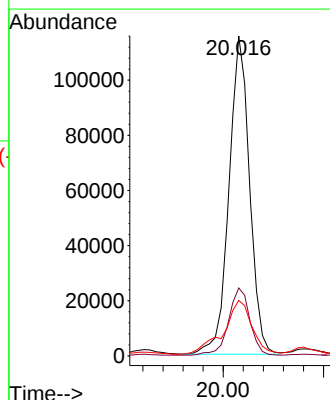
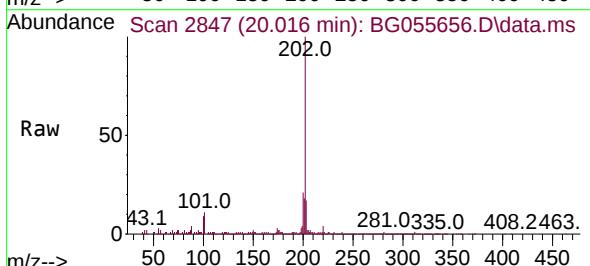
Tgt Ion:202 Resp: 164516

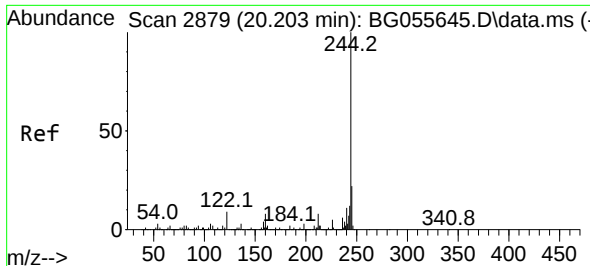
Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.6

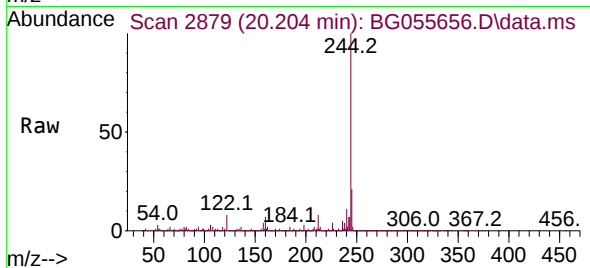
203 17.3 14.4 21.6





#79
 Terphenyl-d14
 Concen: 55.438 ng
 RT: 20.204 min Scan# 2879
 Delta R.T. 0.000 min
 Lab File: BG055656.D
 Acq: 16 Nov 2022 21:04

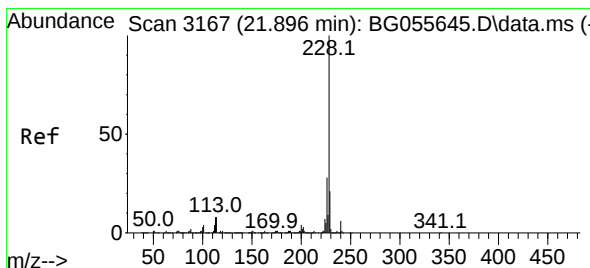
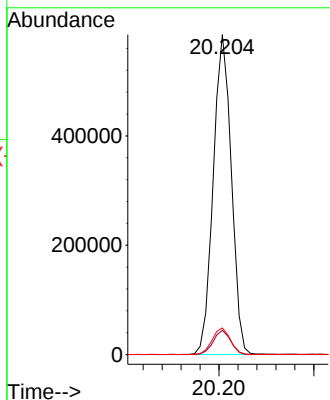
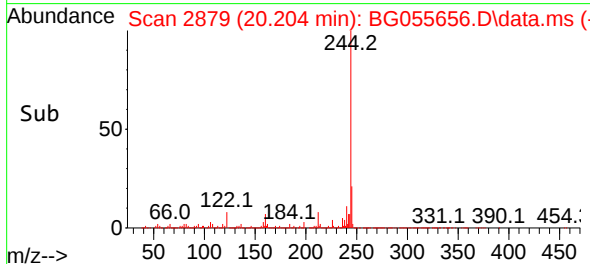
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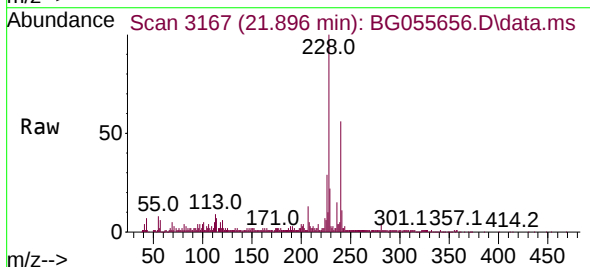
Tgt Ion:244 Resp: 77415
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.3 9.5
 122 8.3 6.9 10.3

Manual Integrations
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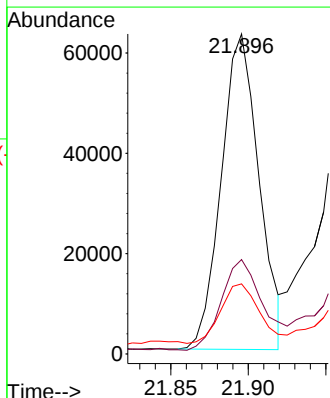
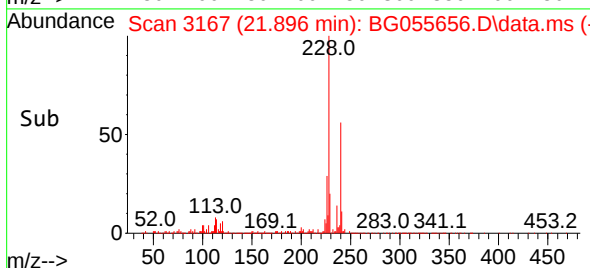
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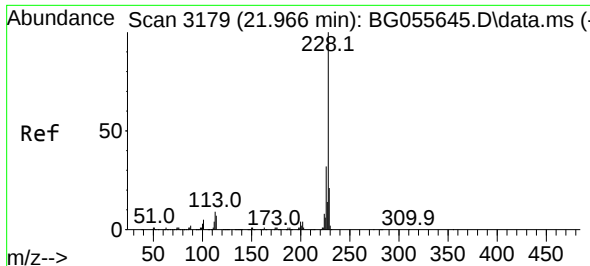


#81
 Benzo(a)anthracene
 Concen: 5.544 ng
 RT: 21.896 min Scan# 3167
 Delta R.T. 0.000 min
 Lab File: BG055656.D
 Acq: 16 Nov 2022 21:04



Tgt Ion:228 Resp: 106660
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.7 34.1
 229 21.9 16.5 24.7





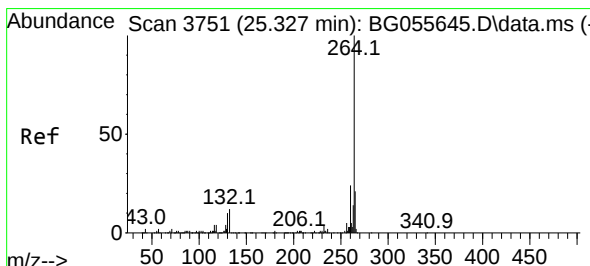
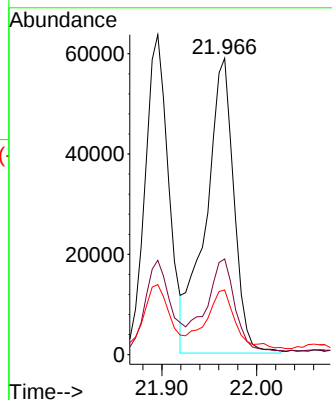
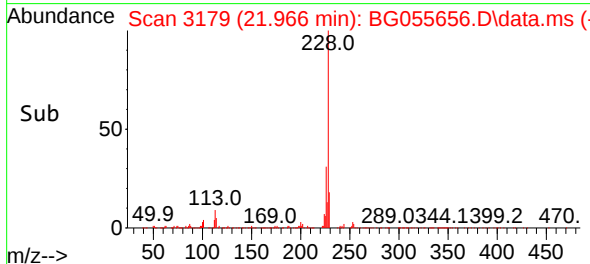
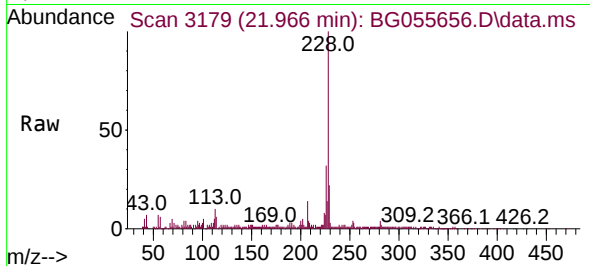
#83
Chrysene
Concen: 6.624 ng m
RT: 21.966 min Scan# 3179
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Instrument :
BNA_G
ClientSampleId :
SB-21RE

Tgt Ion:228 Resp: 121302
Ion Ratio Lower Upper
228 100
226 32.2 25.4 38.2
229 21.8 17.1 25.7

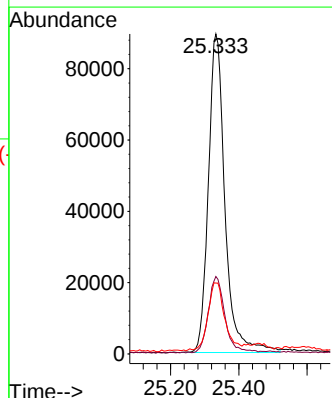
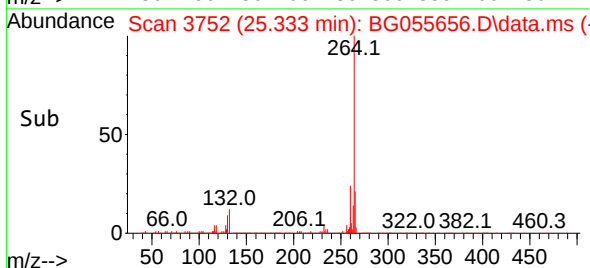
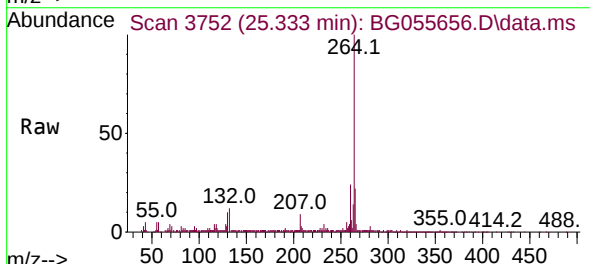
Manual Integrations
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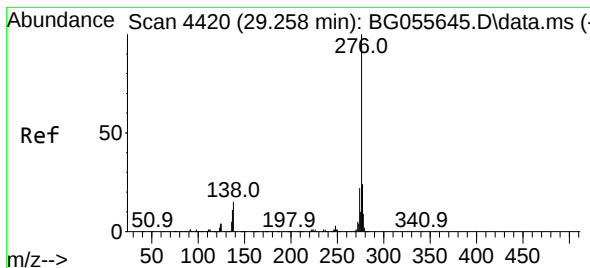
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.333 min Scan# 3752
Delta R.T. 0.006 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Tgt Ion:264 Resp: 301893
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.684 ng

RT: 29.258 min Scan# 4420

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

SB-21RE

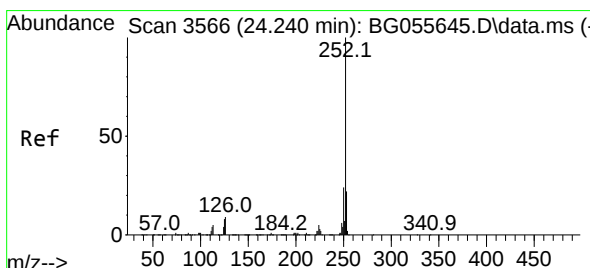
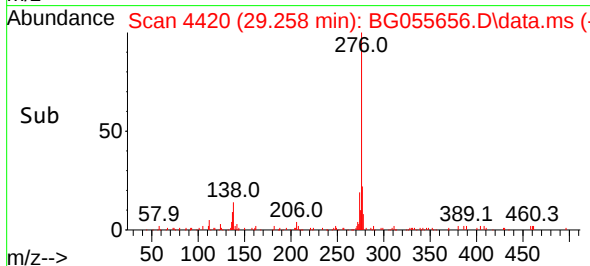
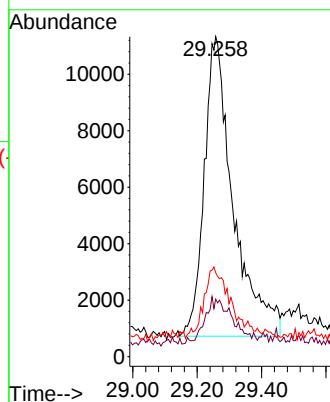
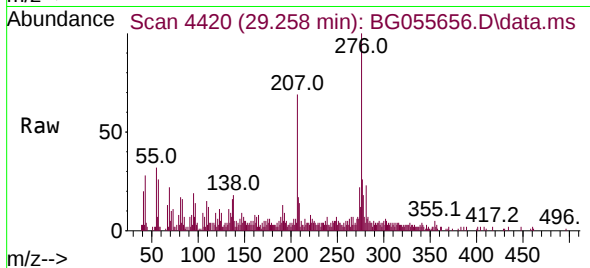
Tgt Ion:276 Resp: 66390

Ion	Ratio	Lower	Upper
276	100		
138	4.3	10.4	15.6
277	17.5	20.2	30.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022



#88

Benzo(b)fluoranthene

Concen: 7.274 ng

RT: 24.246 min Scan# 3567

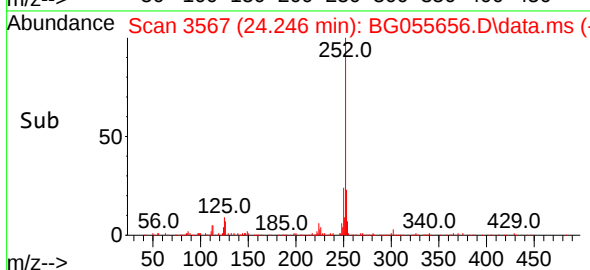
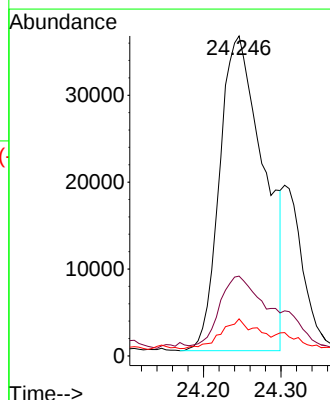
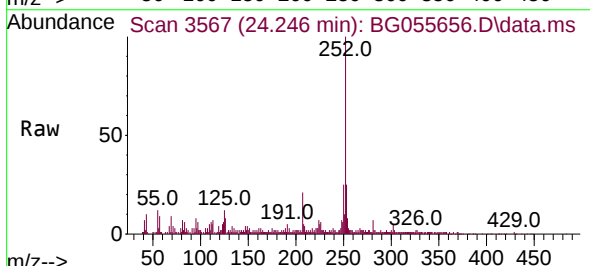
Delta R.T. 0.006 min

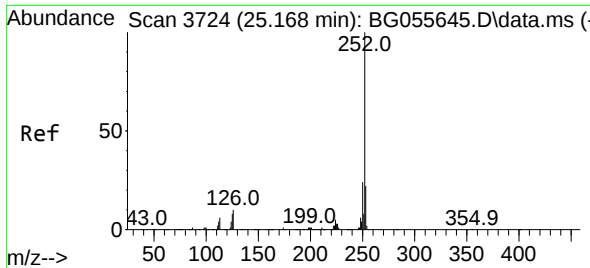
Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Tgt Ion:252 Resp: 143010

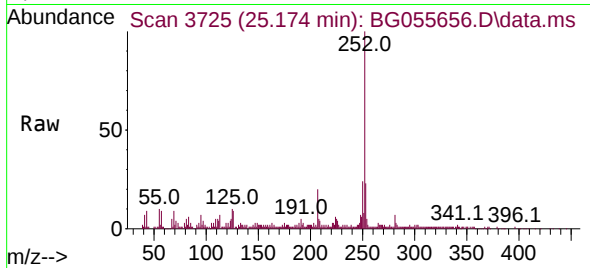
Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	11.6	6.2	9.2





#90
Benzo(a)pyrene
Concen: 7.354 ng
RT: 25.174 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

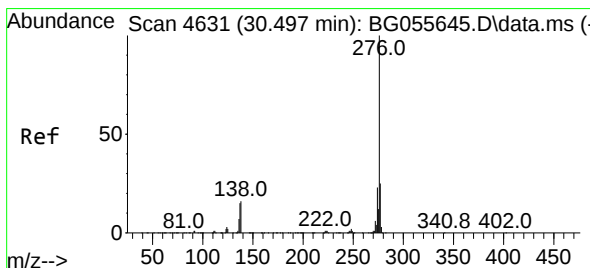
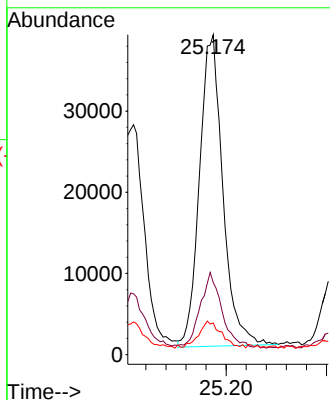
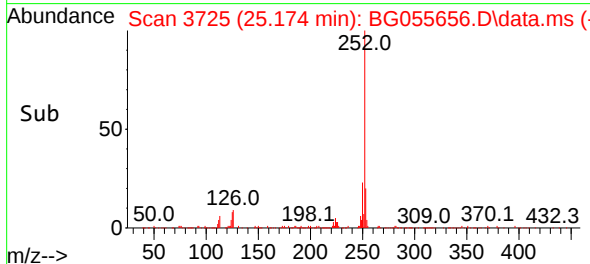
Instrument :
BNA_G
ClientSampleId :
SB-21RE



Tgt Ion:252 Resp: 124072
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 9.9 6.4 9.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022



#92
Benzo(g,h,i)perylene
Concen: 3.600 ng m
RT: 30.491 min Scan# 4630
Delta R.T. -0.006 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Tgt Ion:276 Resp: 73325
Ion Ratio Lower Upper
276 100
277 29.4 19.8 29.6
138 18.0 13.1 19.7

