

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
 Data File : BG055575.D
 Acq On : 11 Nov 2022 20:52
 Operator : CG/JU
 Sample : N5531-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-30

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

Quant Time: Nov 12 00:54:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	57241	20.000	ng	0.00
21) Naphthalene-d8	11.098	136	231746	20.000	ng	0.00
39) Acenaphthene-d10	14.888	164	161923	20.000	ng	0.00
64) Phenanthrene-d10	17.626	188	371238	20.000	ng	0.00
76) Chrysene-d12	21.927	240	350562	20.000	ng	0.00
86) Perylene-d12	25.346	264	371382	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	533778	177.618	ng	0.00
7) Phenol-d6	7.408	99	684074	164.790	ng	0.00
23) Nitrobenzene-d5	9.441	82	433341	126.764	ng	0.00
42) 2,4,6-Tribromophenol	16.368	330	334631	211.807	ng	0.00
45) 2-Fluorobiphenyl	13.513	172	968539	90.224	ng	0.00
79) Terphenyl-d14	20.217	244	1516898	86.911	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.665	202	223441	9.391	ng	99
78) Pyrene	20.023	202	408581	17.221	ng	99
81) Benzo(a)anthracene	21.903	228	221899	9.241	ng	97
83) Chrysene	21.974	228	266757	11.683	ng	99
87) Indeno(1,2,3-cd)pyrene	29.259	276	130049	4.598	ng	# 94
88) Benzo(b)fluoranthene	24.247	252	241504	10.263	ng	100
89) Benzo(k)fluoranthene	24.312	252	74959m	3.116	ng	
90) Benzo(a)pyrene	25.182	252	220997	10.903	ng	99
92) Benzo(g,h,i)perylene	30.493	276	162218	7.087	ng	95

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

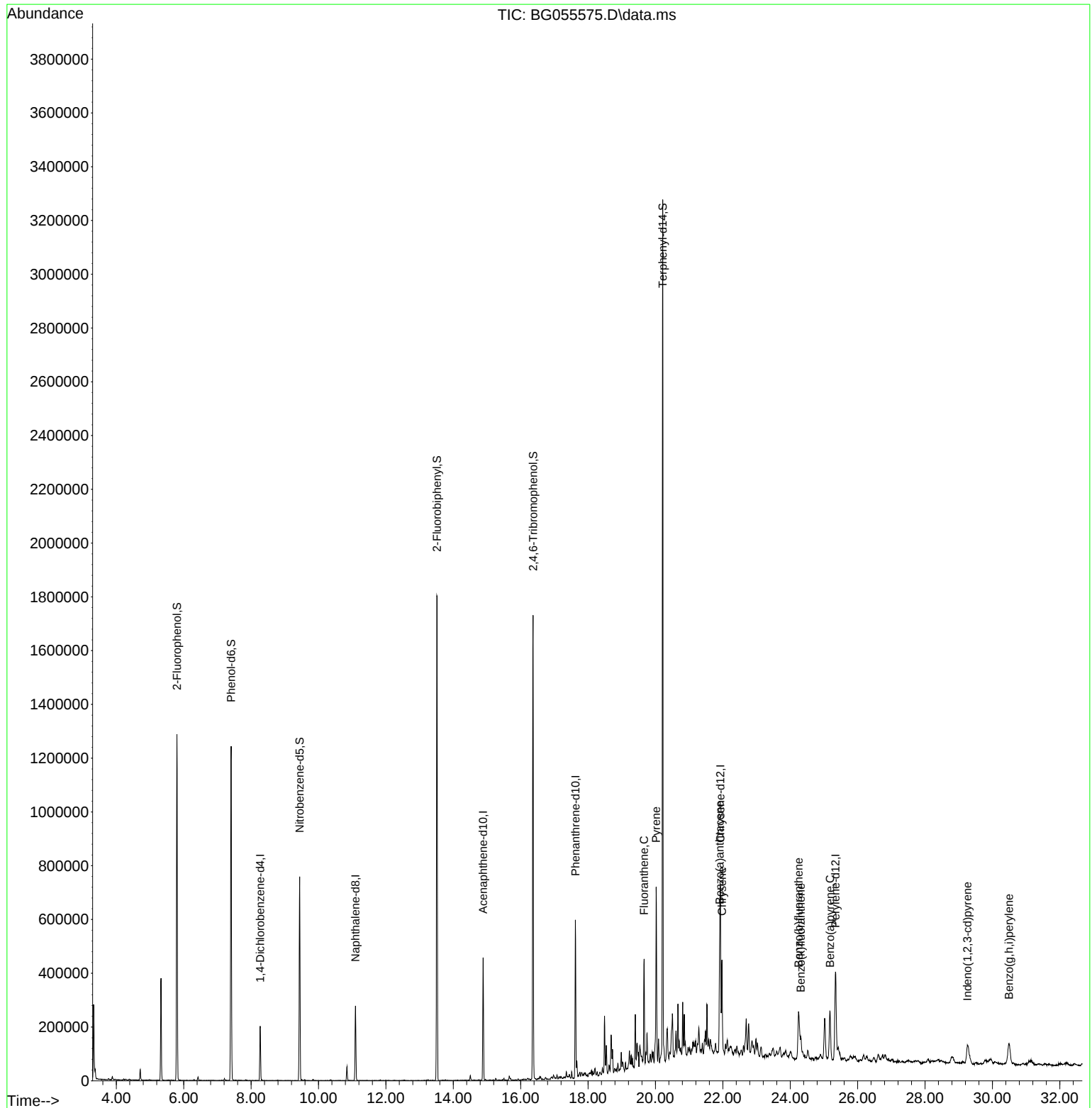
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
Data File : BG055575.D
Acq On : 11 Nov 2022 20:52
Operator : CG/JU
Sample : N5531-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

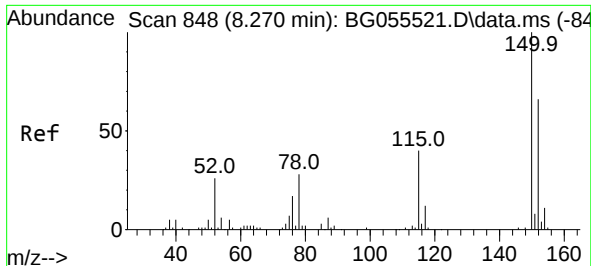
Instrument :
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Quant Time: Nov 12 00:54:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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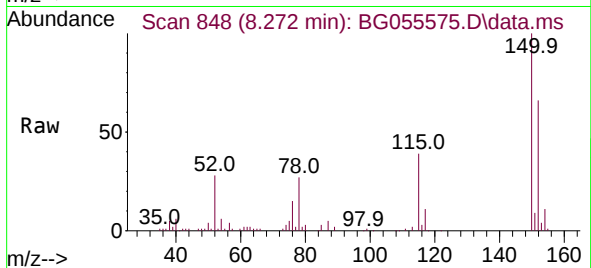
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

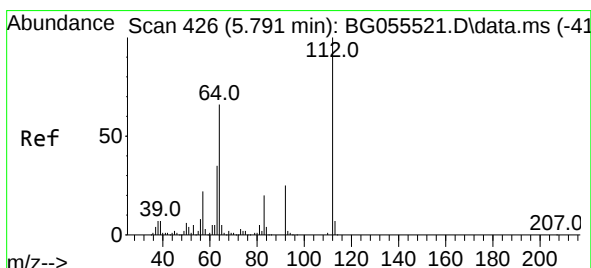
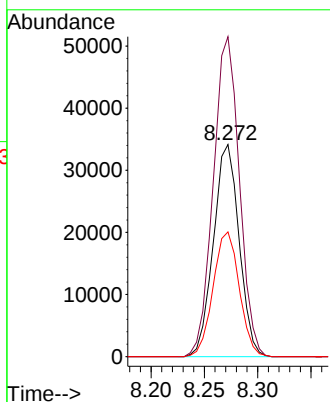
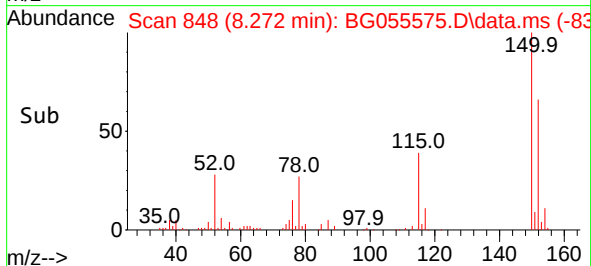
Instrument :
BNA_G
ClientSampleId :
SB-30



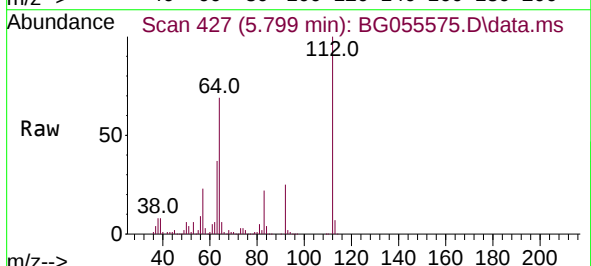
Tgt Ion:152 Resp: 5724
Ion Ratio Lower Upper
152 100
150 150.9 121.0 181.4
115 58.8 47.8 71.8

Manual Integrations
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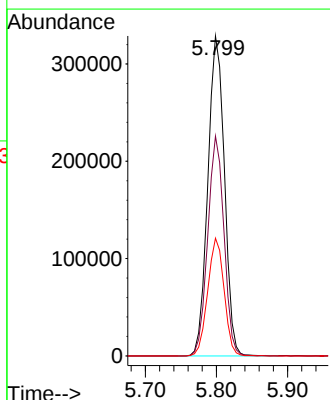
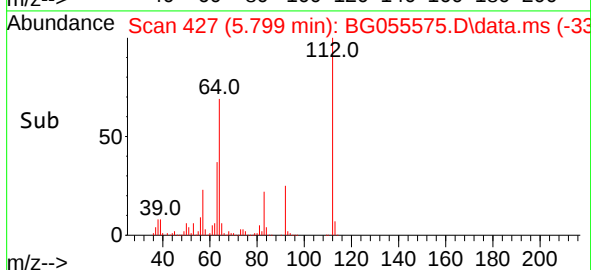
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

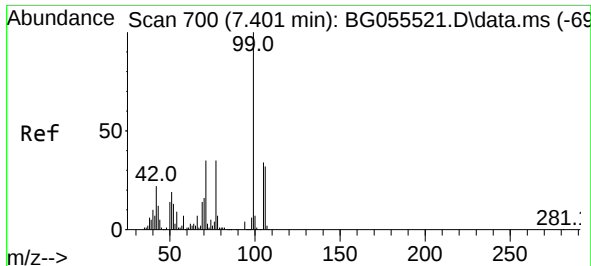


#5
2-Fluorophenol
Concen: 177.618 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.008 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52



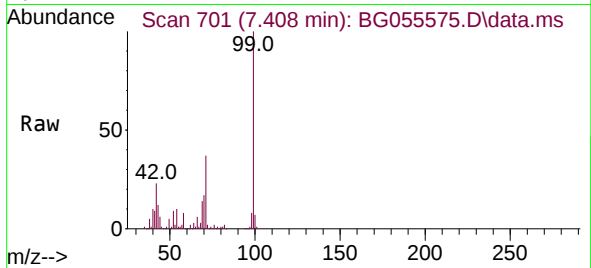
Tgt Ion:112 Resp: 533778
Ion Ratio Lower Upper
112 100
64 68.7 52.6 78.8
63 36.8 28.3 42.5





#7
Phenol-d6
Concen: 164.790 ng
RT: 7.408 min Scan# 700
Delta R.T. 0.007 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

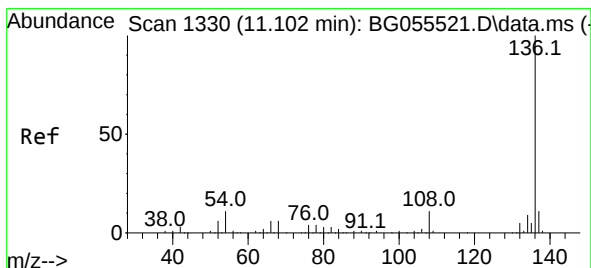
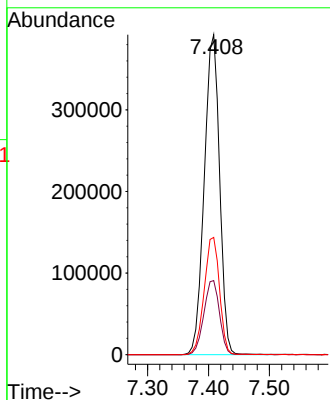
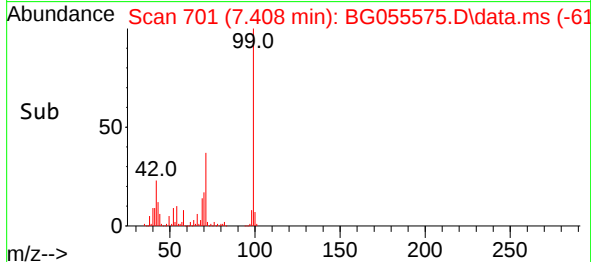
Instrument :
BNA_G
ClientSampleId :
SB-30



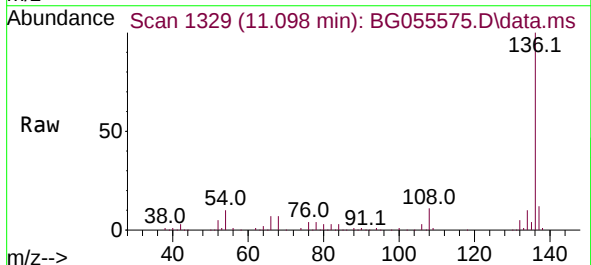
Tgt Ion: 99 Resp: 684074
Ion Ratio Lower Upper
99 100
42 23.1 17.5 26.3
71 36.6 28.3 42.5

Manual Integrations
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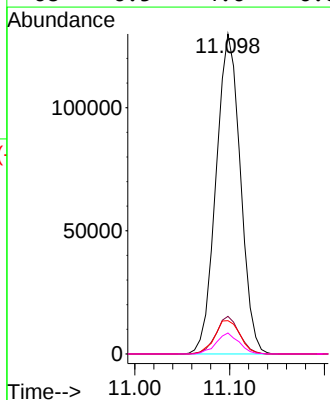
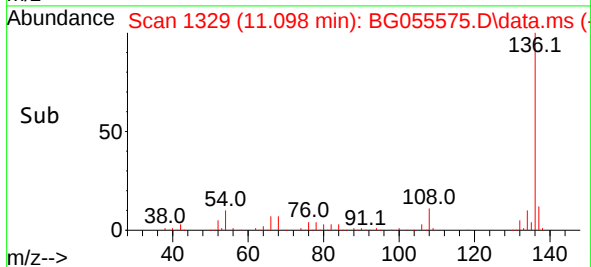
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

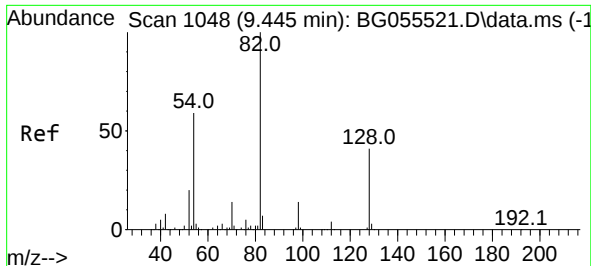


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.098 min Scan# 1329
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52



Tgt Ion:136 Resp: 231746
Ion Ratio Lower Upper
136 100
137 11.7 8.6 12.8
54 10.4 8.6 12.8
68 6.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 126.764 ng

RT: 9.441 min Scan# 1048

Delta R.T. -0.004 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Instrument :

BNA_G

ClientSampleId :

SB-30

Tgt Ion: 82 Resp: 43334

Ion Ratio Lower Upper

82 100

128 40.4 32.6 49.0

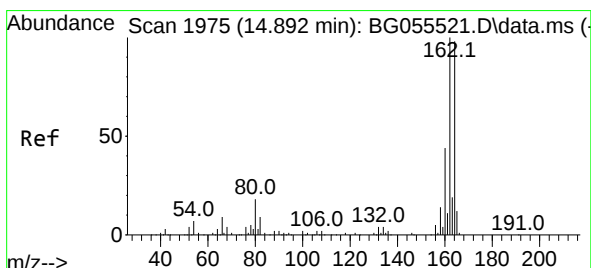
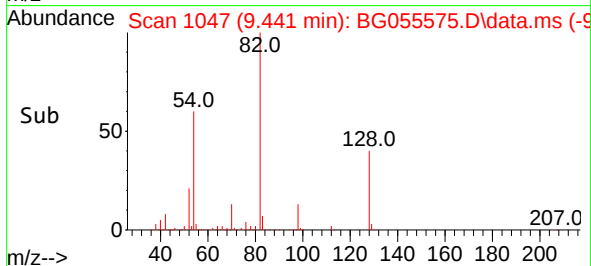
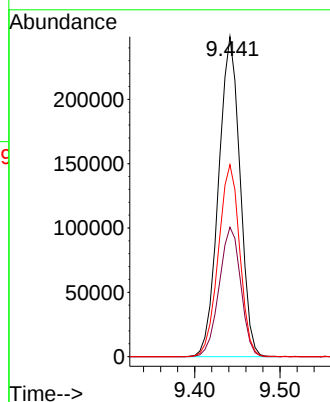
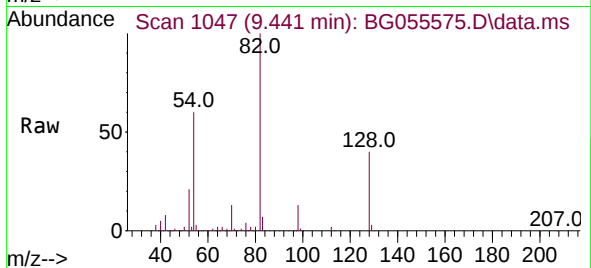
54 60.0 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.888 min Scan# 1974

Delta R.T. -0.004 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

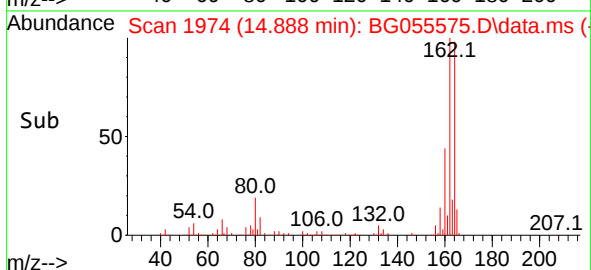
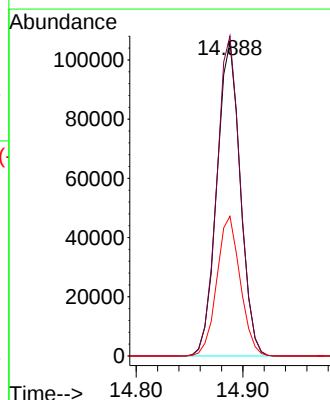
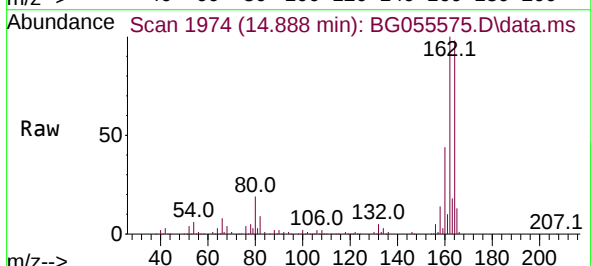
Tgt Ion:164 Resp: 161923

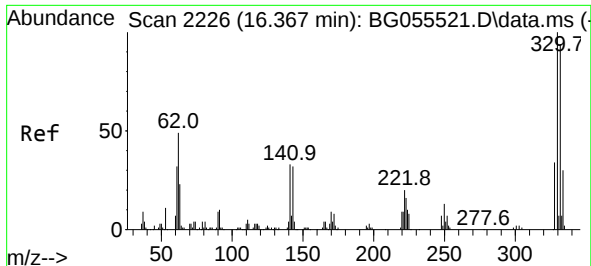
Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

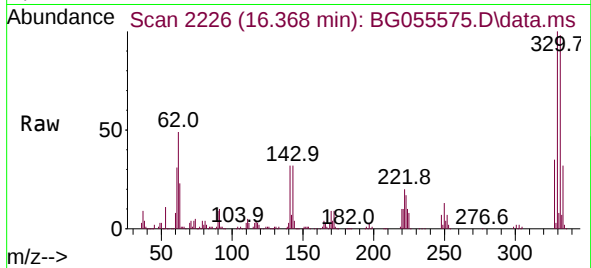
160 44.5 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 211.807 ng
RT: 16.368 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

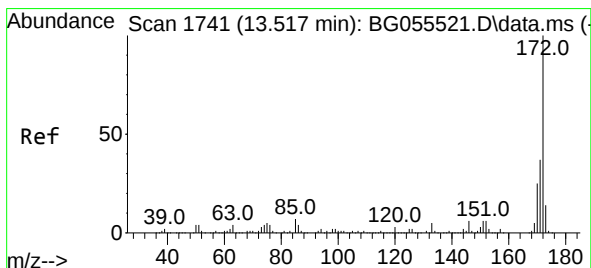
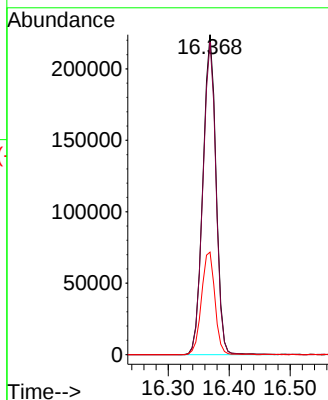
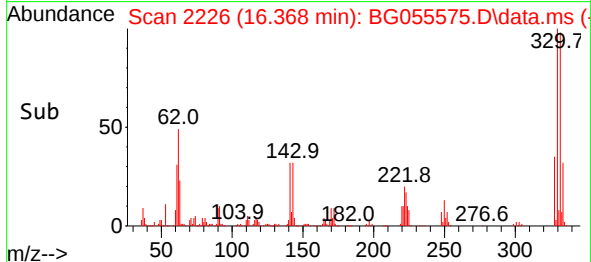
Instrument :
BNA_G
ClientSampleId :
SB-30



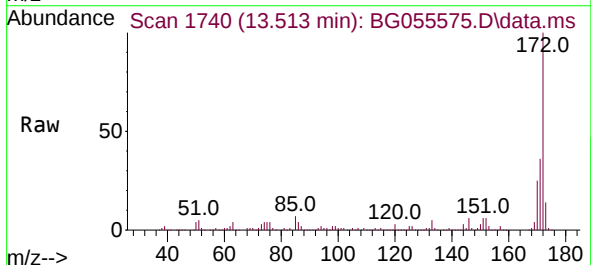
Tgt Ion:330 Resp: 334631
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.2
141 32.6 25.4 38.2

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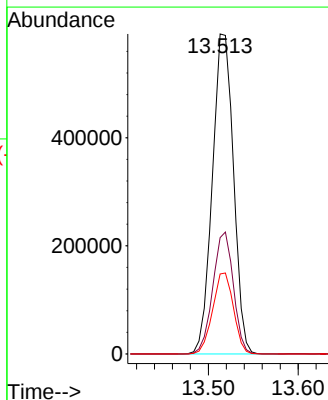
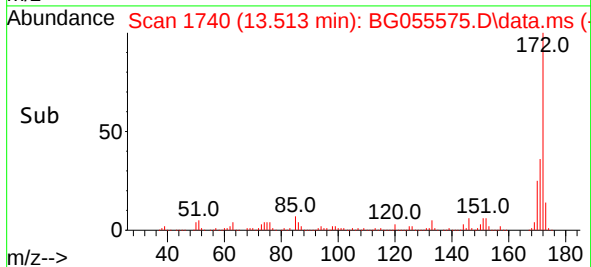
Reviewed By :Christian Giraldo 11/12/2022
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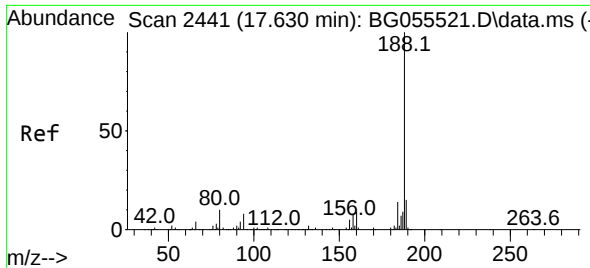


#45
2-Fluorobiphenyl
Concen: 90.224 ng
RT: 13.513 min Scan# 1740
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52



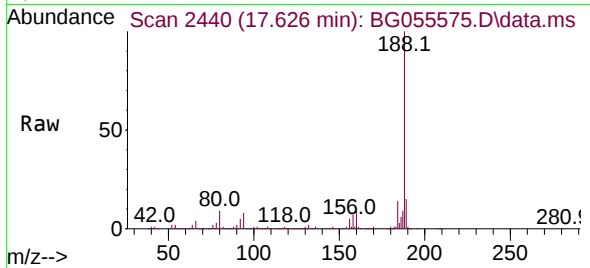
Tgt Ion:172 Resp: 968539
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 25.0 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.626 min Scan# 2441
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

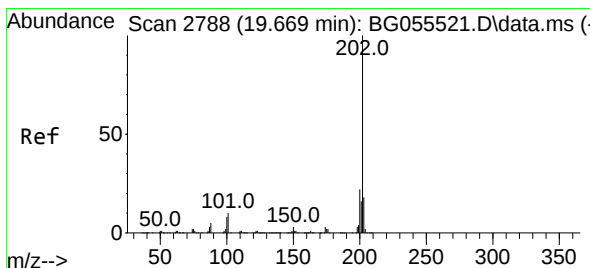
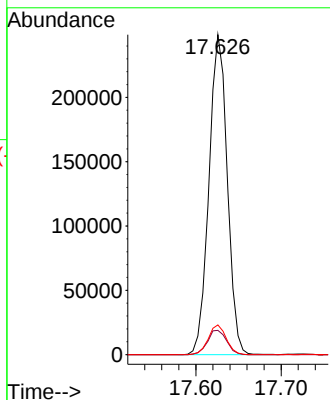
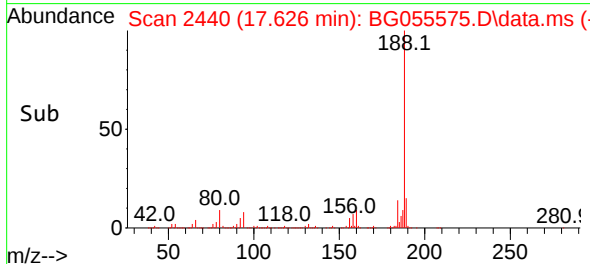
Instrument :
BNA_G
ClientSampleId :
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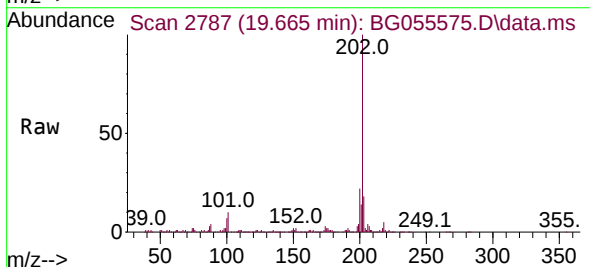
Tgt Ion:188 Resp: 371238
Ion Ratio Lower Upper
188 100
94 7.6 6.4 9.6
80 9.3 7.6 11.4

Manual Integrations
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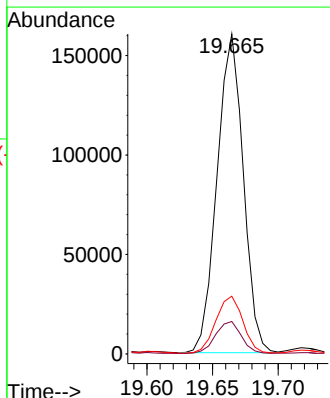
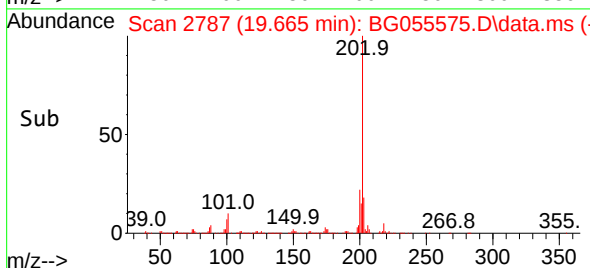
Reviewed By :Christian Giraldo 11/12/2022
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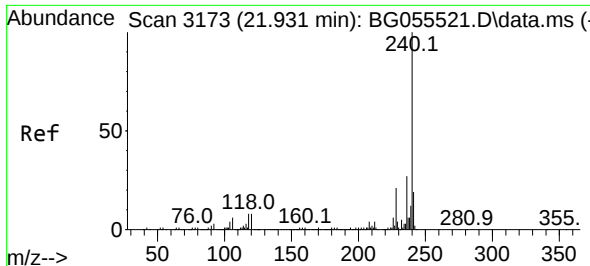


#75
Fluoranthene
Concen: 9.391 ng
RT: 19.665 min Scan# 2787
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52



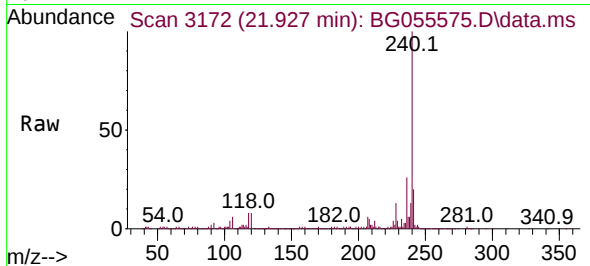
Tgt Ion:202 Resp: 223441
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.8
203 18.0 0.0 38.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3173
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

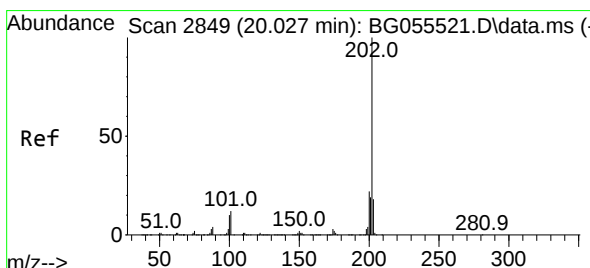
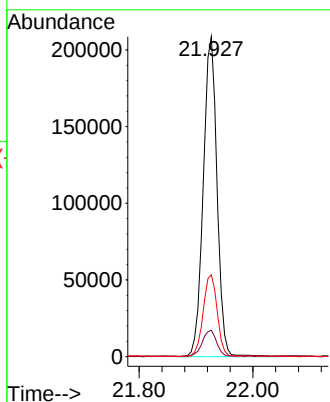
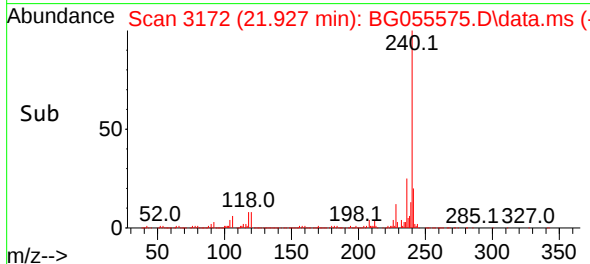
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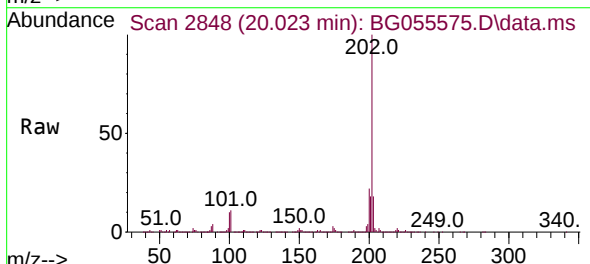
Tgt Ion:240 Resp: 350562
Ion Ratio Lower Upper
240 100
120 8.2 6.1 9.1
236 25.6 21.4 32.0

Manual Integrations
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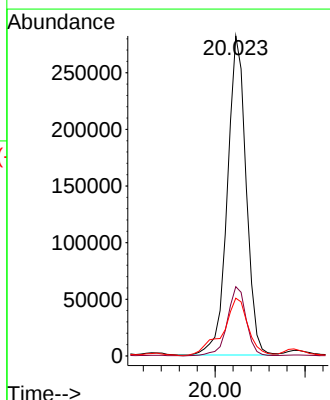
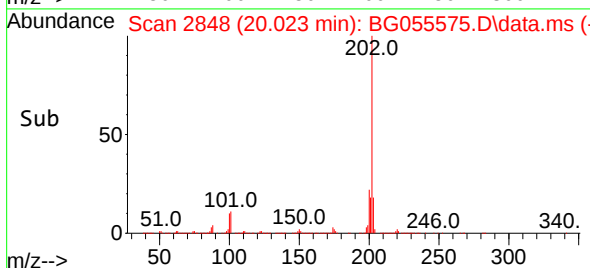
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

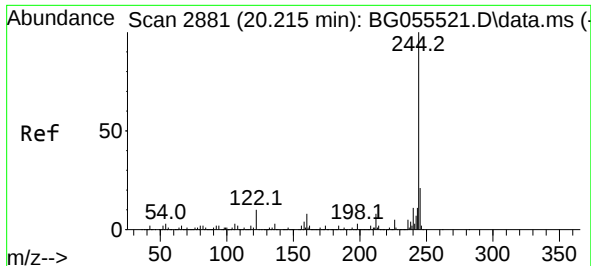


#78
Pyrene
Concen: 17.221 ng
RT: 20.023 min Scan# 2848
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52



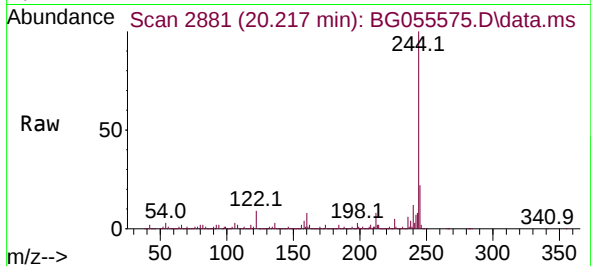
Tgt Ion:202 Resp: 408581
Ion Ratio Lower Upper
202 100
200 21.6 18.0 27.0
203 18.0 14.2 21.2





#79
 Terphenyl-d14
 Concen: 86.911 ng
 RT: 20.217 min Scan# 2881
 Delta R.T. 0.002 min
 Lab File: BG055575.D
 Acq: 11 Nov 2022 20:52

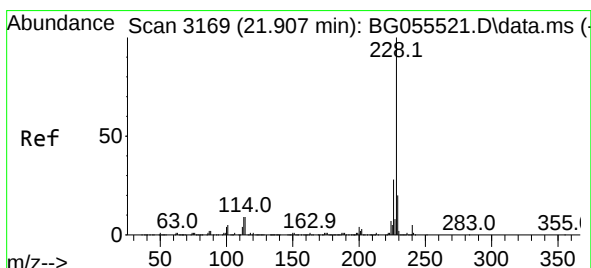
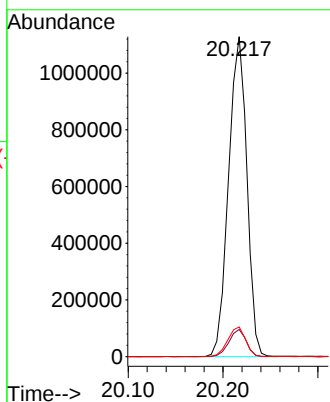
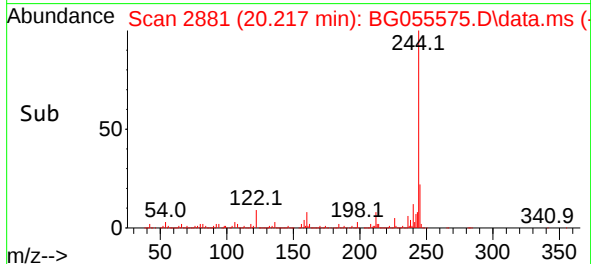
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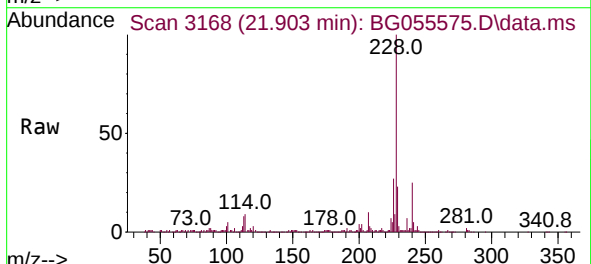
Tgt Ion:244 Resp: 1516898
 Ion Ratio Lower Upper
 244 100
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 122 9.3 7.7 11.5

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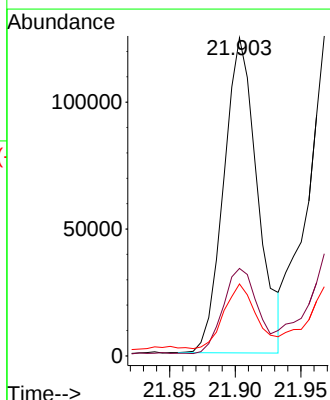
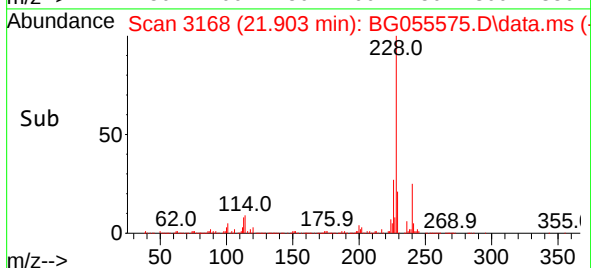
Reviewed By :Christian Giraldo 11/12/2022
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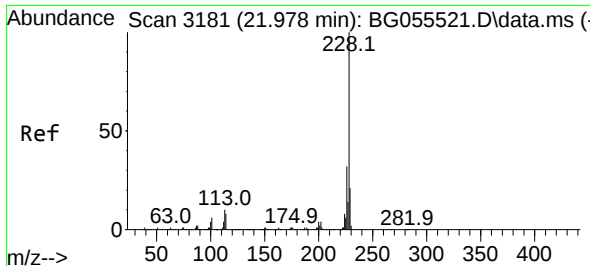


#81
 Benzo(a)anthracene
 Concen: 9.241 ng
 RT: 21.903 min Scan# 3168
 Delta R.T. -0.004 min
 Lab File: BG055575.D
 Acq: 11 Nov 2022 20:52



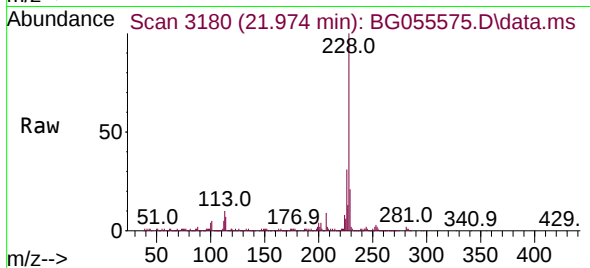
Tgt Ion:228 Resp: 221899
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.6 34.0
 229 22.6 16.1 24.1





#83
Chrysene
Concen: 11.683 ng
RT: 21.974 min Scan# 3181
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

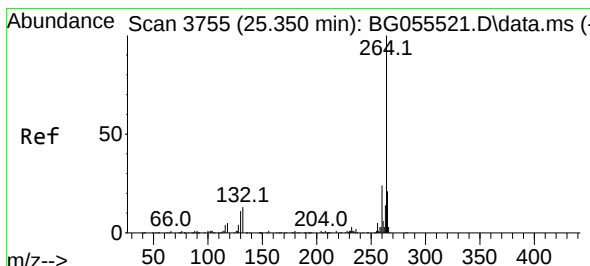
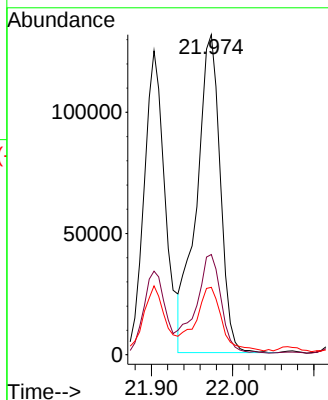
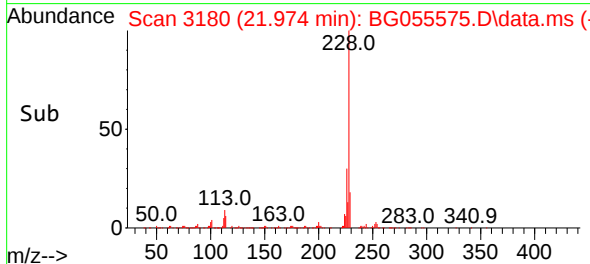
Instrument :
BNA_G
ClientSampleId :
SB-30



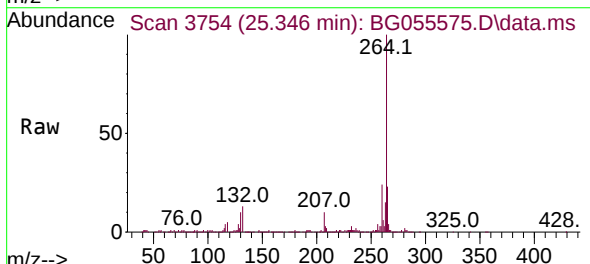
Tgt Ion:228 Resp: 266752
Ion Ratio Lower Upper
228 100
226 31.3 25.7 38.5
229 21.0 16.6 25.0

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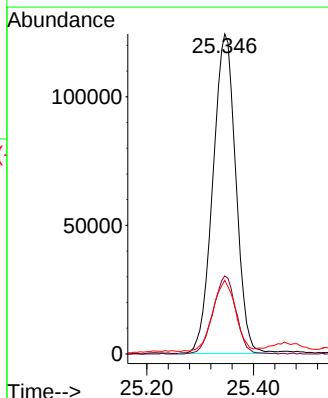
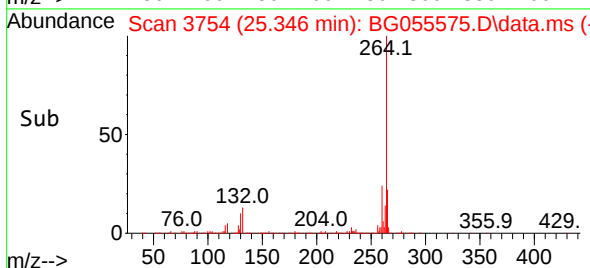
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

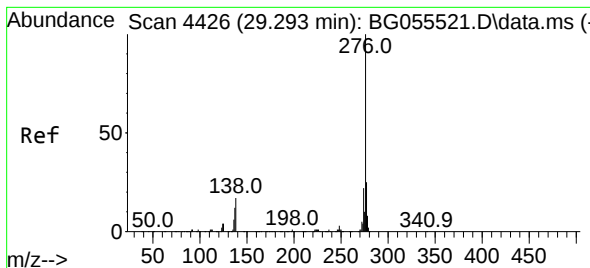


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.346 min Scan# 3754
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52



Tgt Ion:264 Resp: 371382
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 23.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.598 ng

RT: 29.259 min Scan# 4426

Delta R.T. -0.034 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Instrument :

BNA_G

ClientSampleId :

SB-30

Tgt Ion:276 Resp: 130049

Ion Ratio Lower Upper

276 100

138 8.4 11.5 17.3

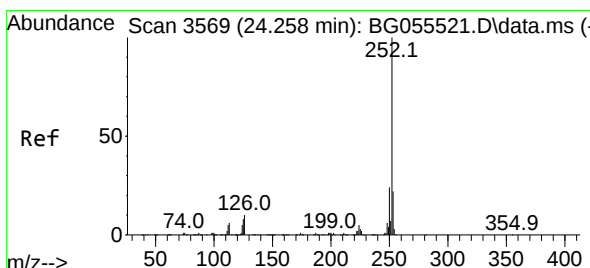
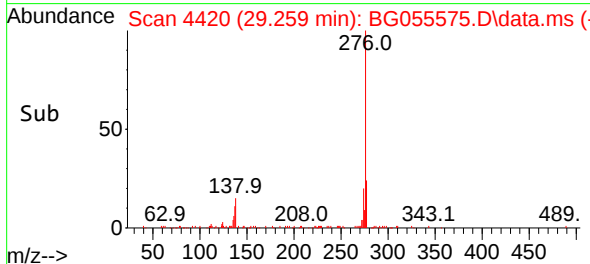
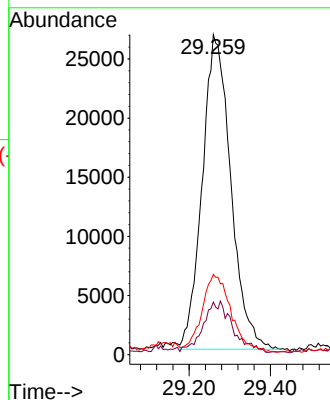
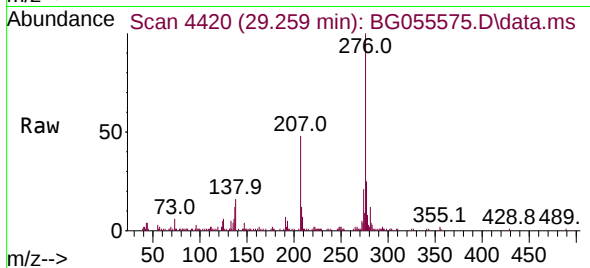
277 25.2 20.4 30.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#88

Benzo(b)fluoranthene

Concen: 10.263 ng

RT: 24.247 min Scan# 3567

Delta R.T. -0.011 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

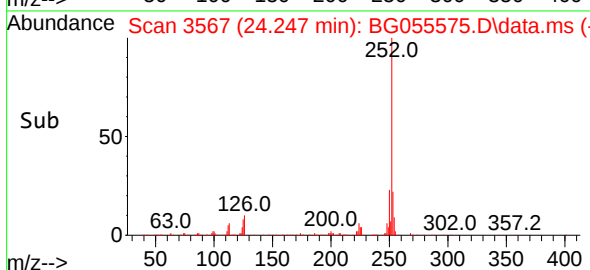
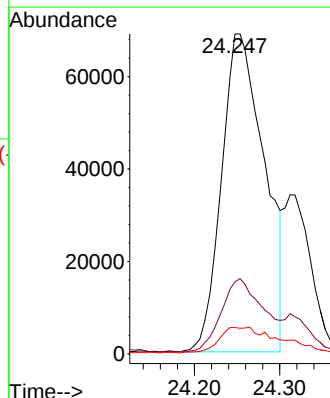
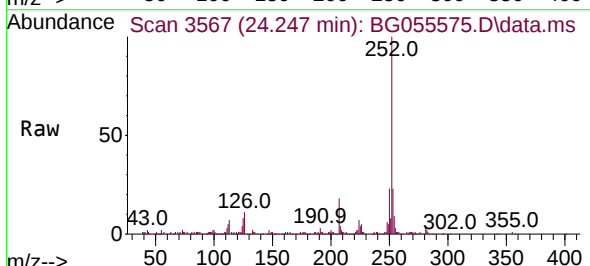
Tgt Ion:252 Resp: 241504

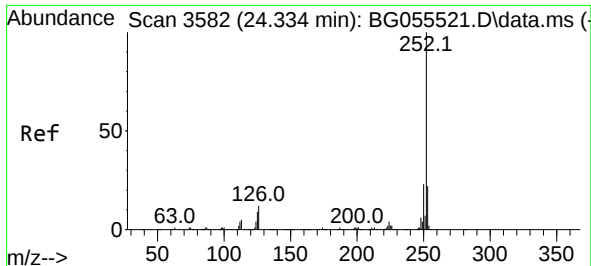
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 8.2 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 3.116 ng m

RT: 24.312 min Scan# 3582

Delta R.T. -0.022 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Instrument :

BNA_G

ClientSampleId :

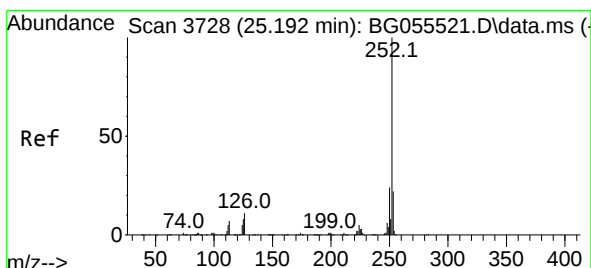
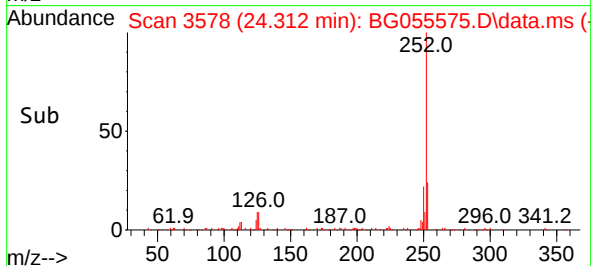
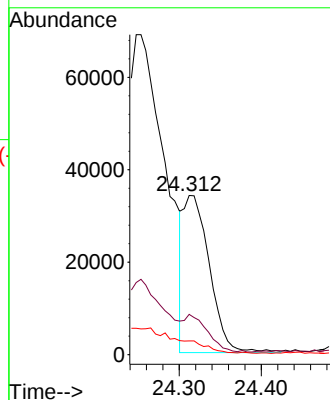
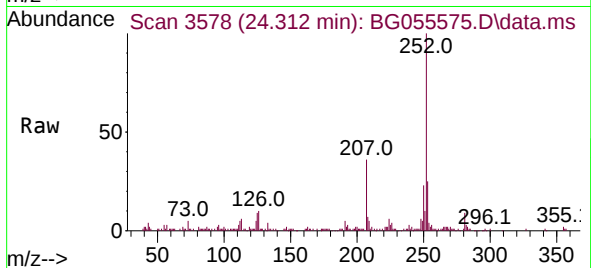
SB-30

Tgt Ion:252 Resp: 74959
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.8 26.8
 125 8.6 6.9 10.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022



#90

Benzo(a)pyrene

Concen: 10.903 ng

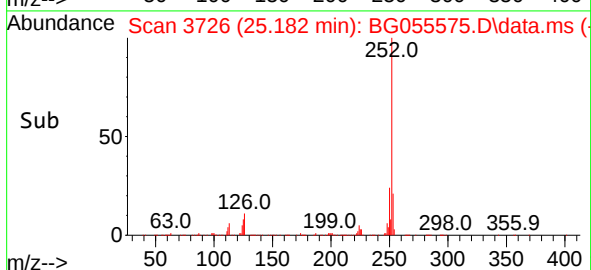
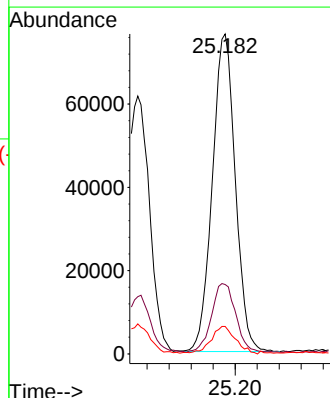
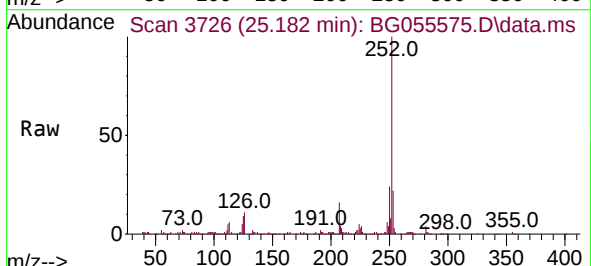
RT: 25.182 min Scan# 3726

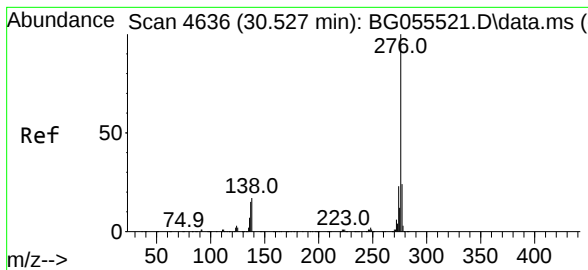
Delta R.T. -0.010 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

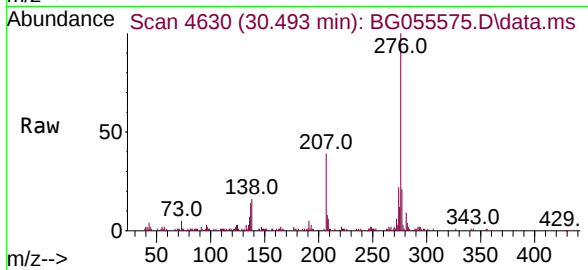
Tgt Ion:252 Resp: 220997
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.8 26.6
 125 8.6 6.7 10.1





#92
 Benzo(g,h,i)perylene
 Concen: 7.087 ng
 RT: 30.493 min Scan# 4630
 Delta R.T. -0.034 min
 Lab File: BG055575.D
 Acq: 11 Nov 2022 20:52

Instrument :
 BNA_G
 ClientSampleId :
 SB-30



Tgt Ion:276 Resp: 162218
 Ion Ratio Lower Upper
 276 100
 277 21.0 19.3 28.9
 138 16.0 13.9 20.9

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022

