

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
 Data File : BG055582.D
 Acq On : 12 Nov 2022 1:52
 Operator : CG/JU
 Sample : N5509-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-13

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 02:46:55 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	8.278	152	68293	20.000	ng	0.00
21) Naphthalene-d8	11.104	136	274516	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	177838	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	360032	20.000	ng	0.00
76) Chrysene-d12	21.933	240	317767	20.000	ng	0.00
86) Perylene-d12	25.364	264	320184	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	439220	122.501	ng	0.01
7) Phenol-d6	7.409	99	577412	116.585	ng	0.00
23) Nitrobenzene-d5	9.448	82	364244	89.950	ng	0.00
42) 2,4,6-Tribromophenol	16.369	330	248796	143.384	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	806712	68.424	ng	0.00
79) Terphenyl-d14	20.217	244	1072694	67.803	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.673	178	294950	15.243	ng	99
72) Anthracene	17.767	178	90549	4.775	ng	98
75) Fluoranthene	19.671	202	603353	26.148	ng	99
78) Pyrene	20.029	202	506128	23.534	ng	99
81) Benzo(a)anthracene	21.915	228	281757	12.945	ng	98
83) Chrysene	21.986	228	237326	11.467	ng	97
87) Indeno(1,2,3-cd)pyrene	29.307	276	121527	4.983	ng	# 91
88) Benzo(b)fluoranthene	24.271	252	301699	14.872	ng	99
89) Benzo(k)fluoranthene	24.336	252	160916m	7.759	ng	
90) Benzo(a)pyrene	25.200	252	259615	14.856	ng	99
92) Benzo(g,h,i)perylene	30.546	276	94048	4.766	ng	97

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

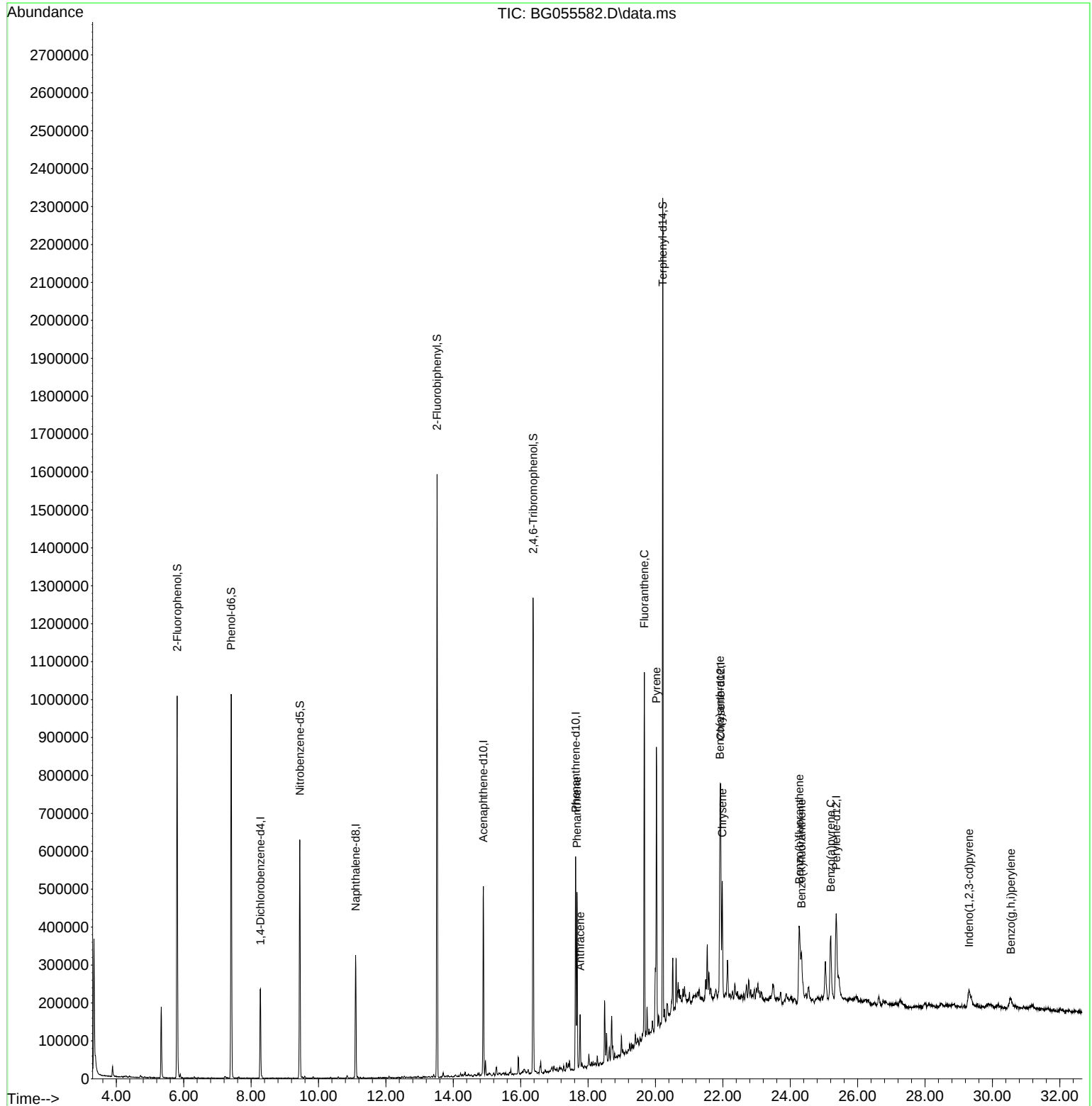
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
Data File : BG055582.D
Acq On : 12 Nov 2022 1:52
Operator : CG/JU
Sample : N5509-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

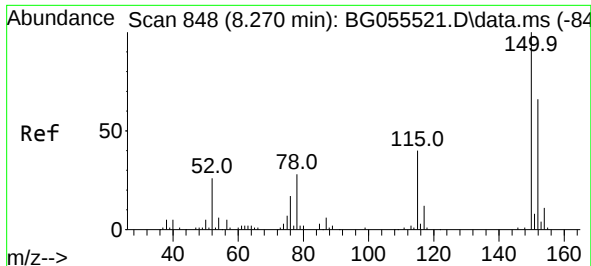
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Quant Time: Nov 12 02:46:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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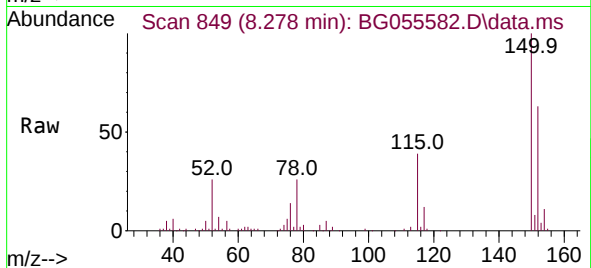
Reviewed By : Christian Giraldo 11/12/2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.278 min Scan# 848
Delta R.T. 0.008 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

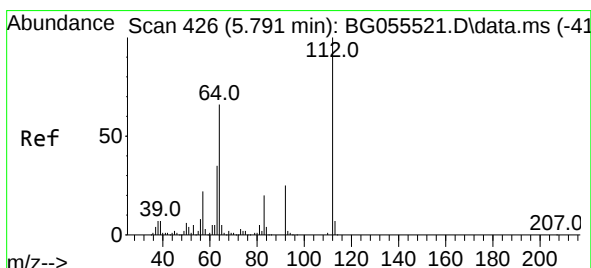
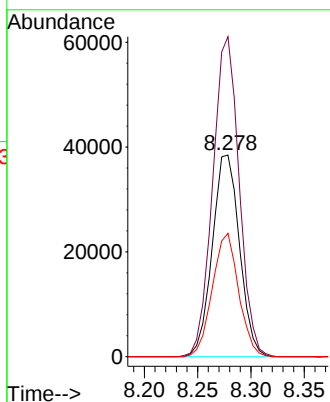
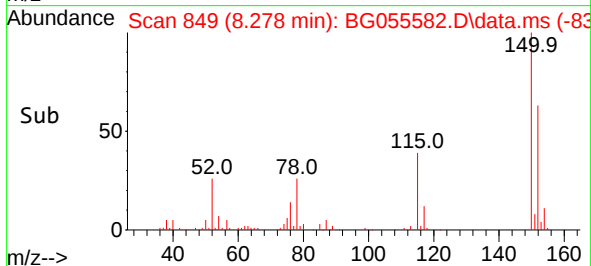
Instrument :
BNA_G
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TP-13



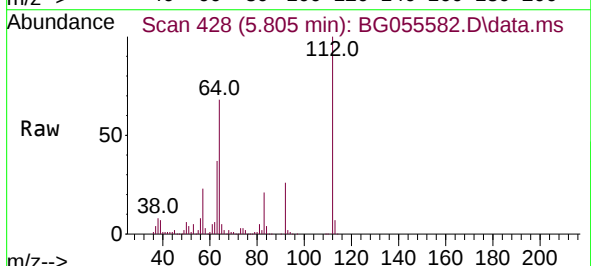
Tgt Ion:152 Resp: 68293
Ion Ratio Lower Upper
152 100
150 158.8 121.0 181.4
115 61.2 47.8 71.8

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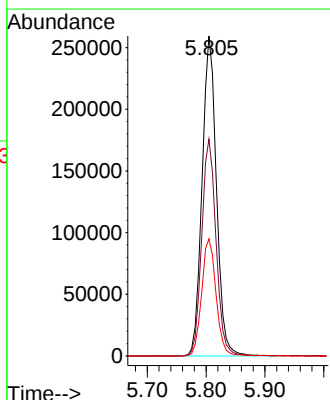
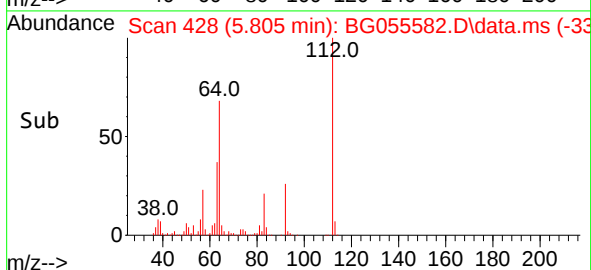
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

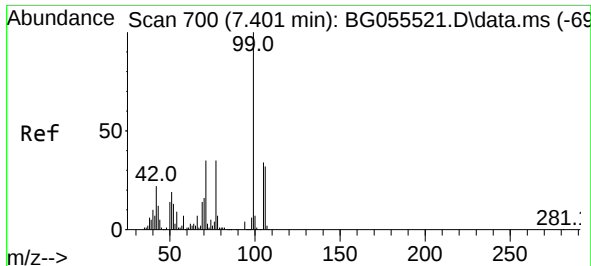


#5
2-Fluorophenol
Concen: 122.501 ng
RT: 5.805 min Scan# 428
Delta R.T. 0.014 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52



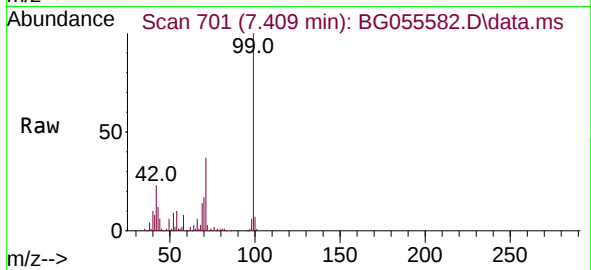
Tgt Ion:112 Resp: 439220
Ion Ratio Lower Upper
112 100
64 67.7 52.6 78.8
63 36.6 28.3 42.5





#7
Phenol-d6
Concen: 116.585 ng
RT: 7.409 min Scan# 700
Delta R.T. 0.008 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

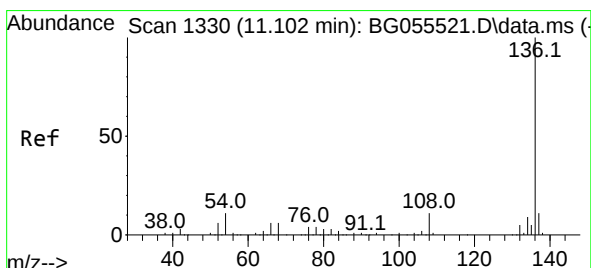
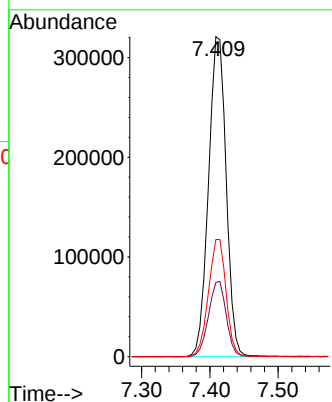
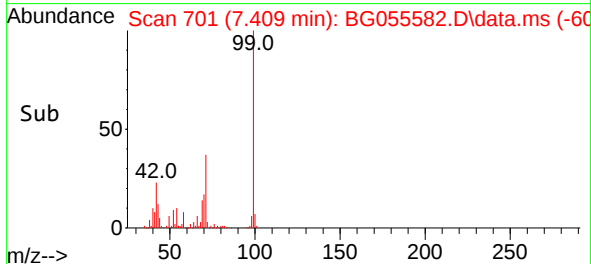
Instrument :
BNA_G
ClientSampleId :
TP-13



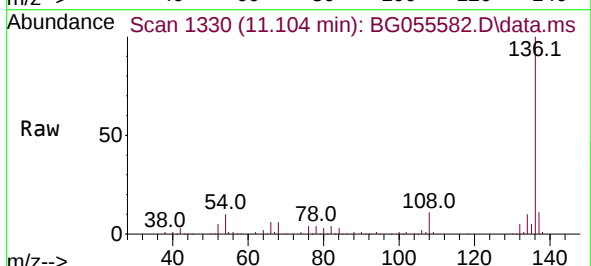
Tgt Ion: 99 Resp: 577412
Ion Ratio Lower Upper
99 100
42 23.2 17.5 26.3
71 36.6 28.3 42.5

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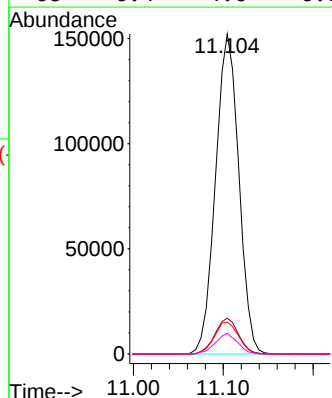
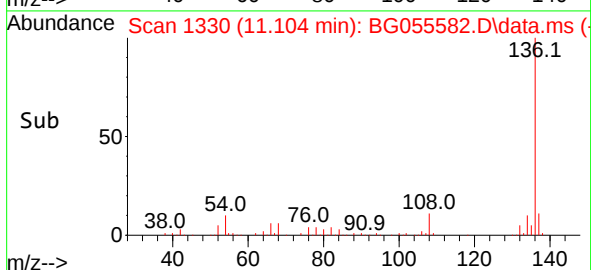
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

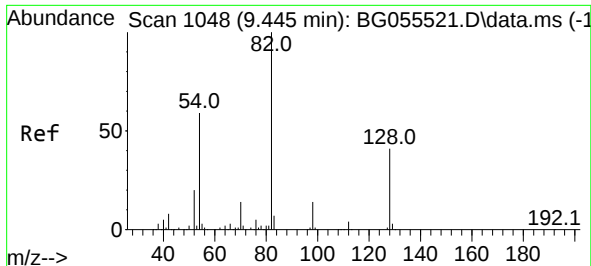


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.104 min Scan# 1330
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52



Tgt Ion:136 Resp: 274516
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.9 8.6 12.8
68 6.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 89.950 ng

RT: 9.448 min Scan# 1048

Delta R.T. 0.003 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

Instrument :

BNA_G

ClientSampleId :

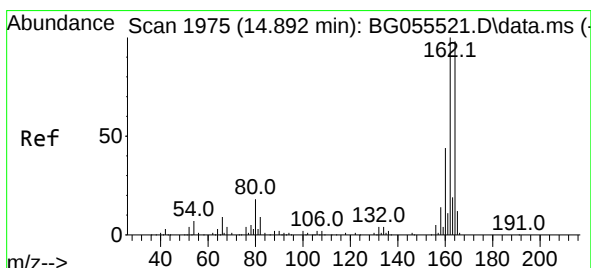
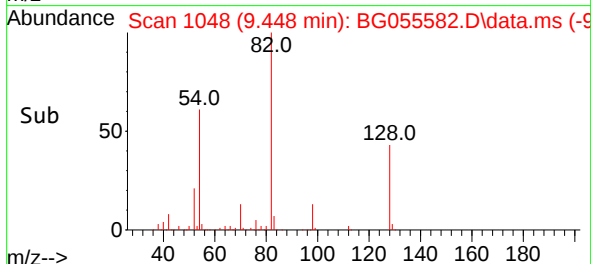
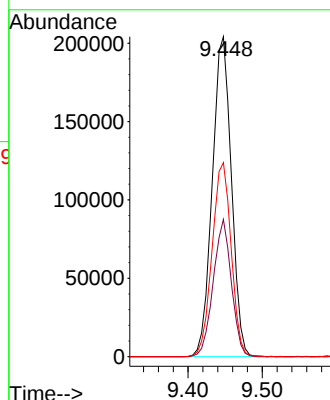
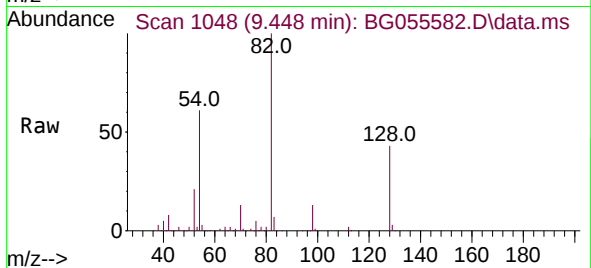
TP-13

Tgt Ion: 82 Resp: 364244

Ion	Ratio	Lower	Upper
82	100		
128	42.9	32.6	49.0
54	60.6	47.3	70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.894 min Scan# 1975

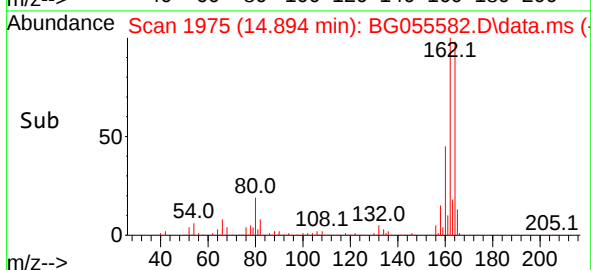
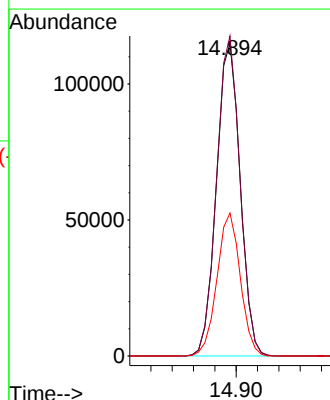
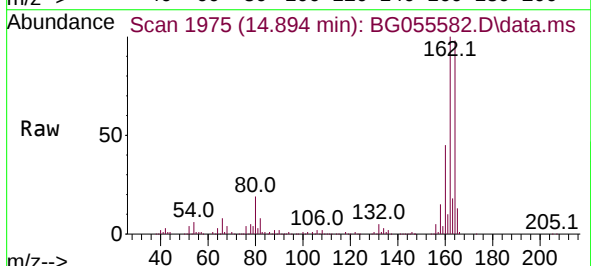
Delta R.T. 0.002 min

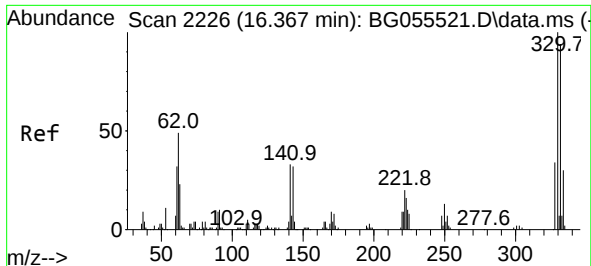
Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

Tgt Ion:164 Resp: 177838

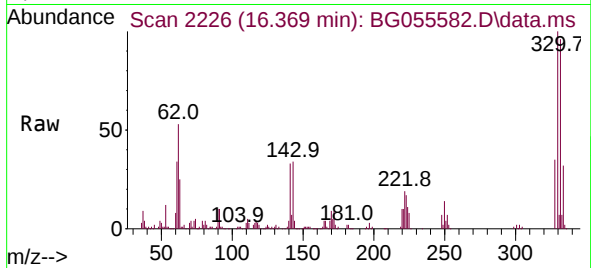
Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.3	121.9
160	45.7	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 143.384 ng
RT: 16.369 min Scan# 2226
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

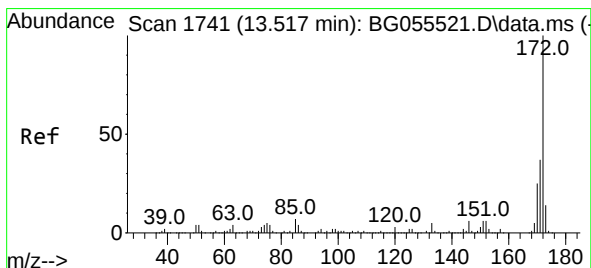
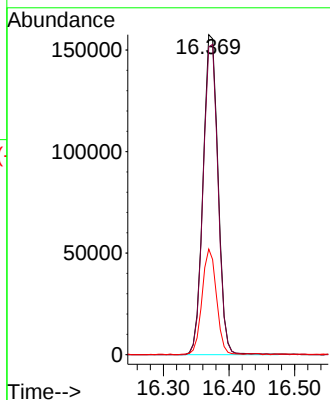
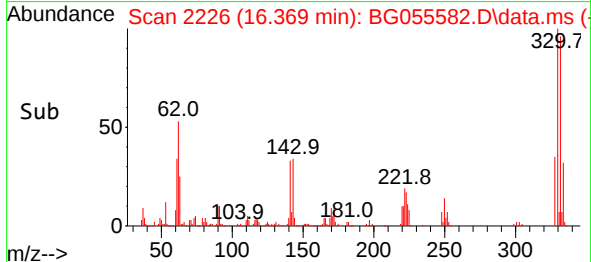
Instrument :
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ClientSampleId :
TP-13



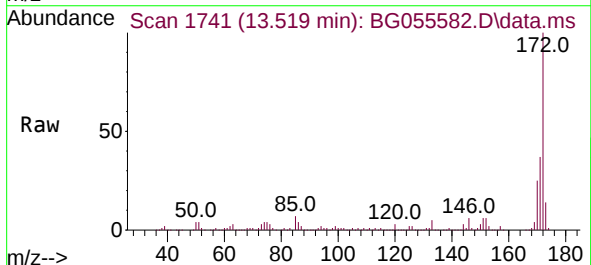
Tgt Ion:330 Resp: 248796
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.2
141 31.7 25.4 38.2

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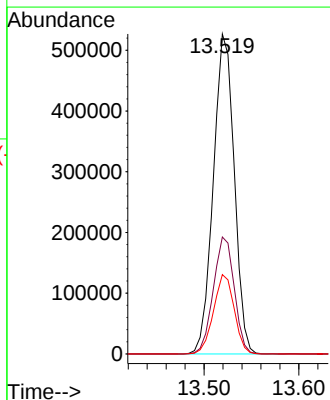
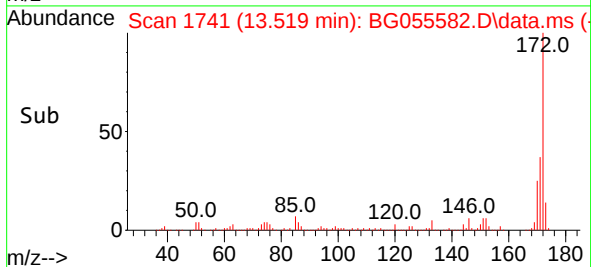
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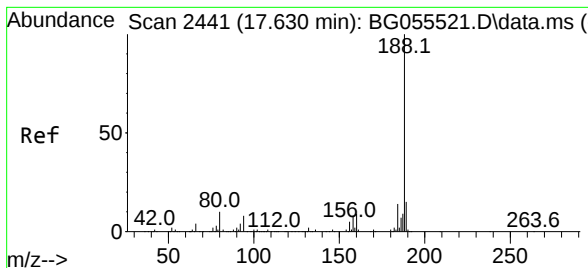


#45
2-Fluorobiphenyl
Concen: 68.424 ng
RT: 13.519 min Scan# 1741
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52



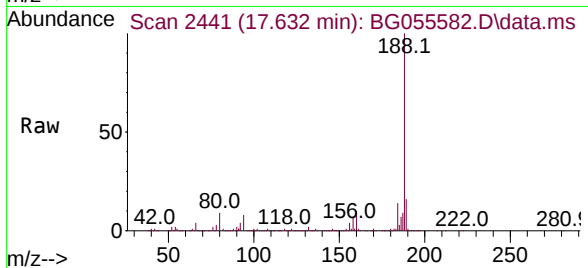
Tgt Ion:172 Resp: 806712
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.8 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2441
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

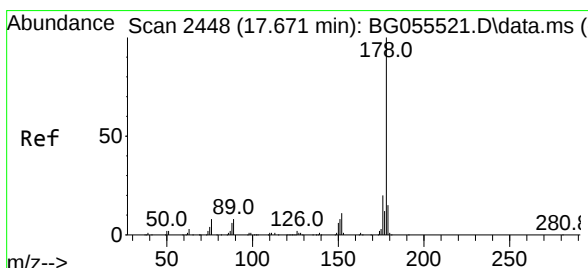
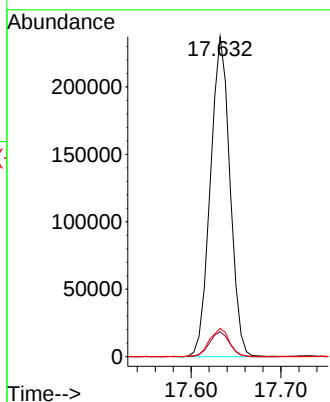
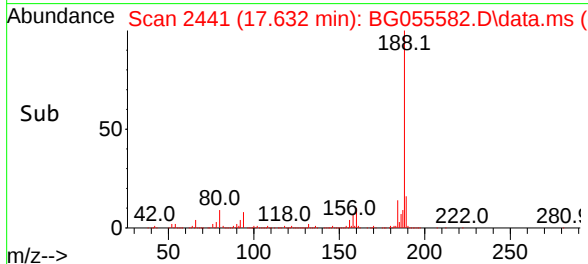
Instrument :
BNA_G
ClientSampleId :
TP-13



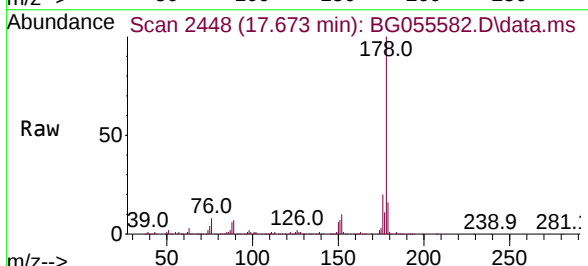
Tgt Ion:188 Resp: 360032
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.8 7.6 11.4

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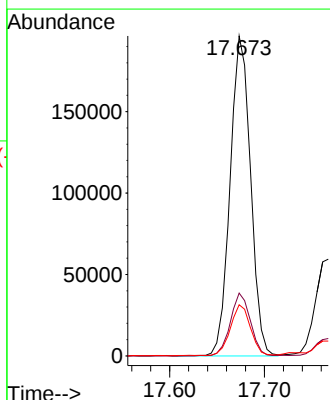
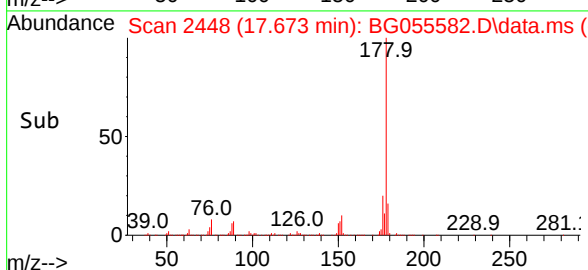
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

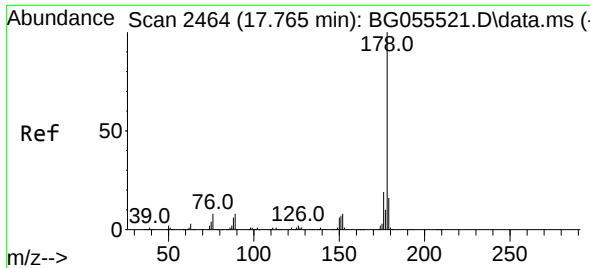


#71
Phenanthrene
Concen: 15.243 ng
RT: 17.673 min Scan# 2448
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52



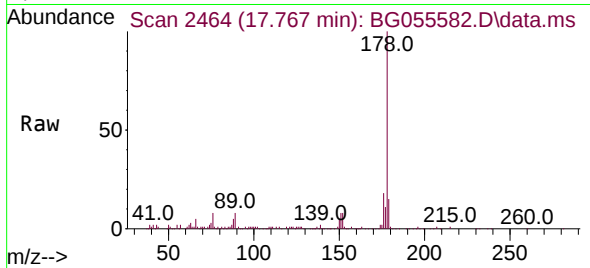
Tgt Ion:178 Resp: 294950
Ion Ratio Lower Upper
178 100
176 19.6 16.1 24.1
179 16.0 12.2 18.4





#72
 Anthracene
 Concen: 4.775 ng
 RT: 17.767 min Scan# 2464
 Delta R.T. 0.002 min
 Lab File: BG055582.D
 Acq: 12 Nov 2022 1:52

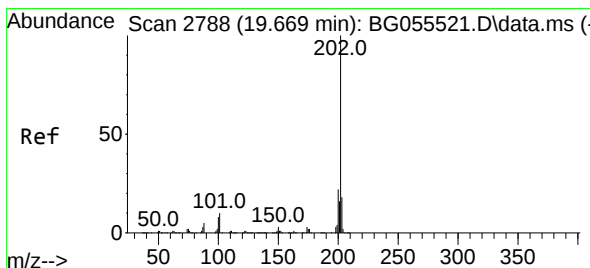
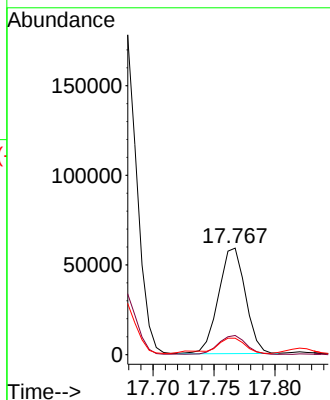
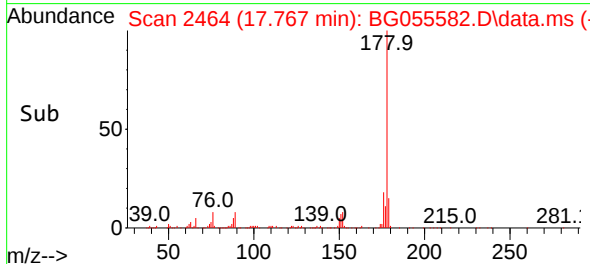
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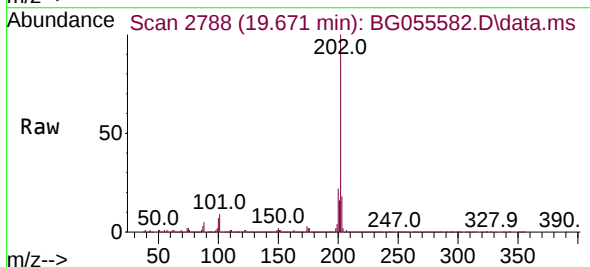
Tgt Ion:178 Resp: 90549
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.0
 179 15.4 13.0 19.4

Manual Integrations
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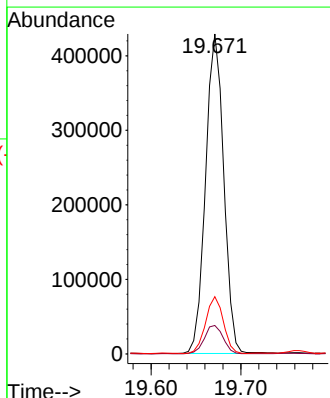
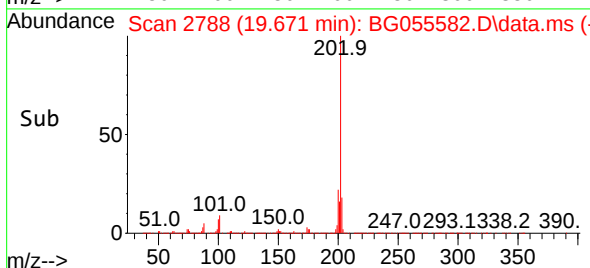
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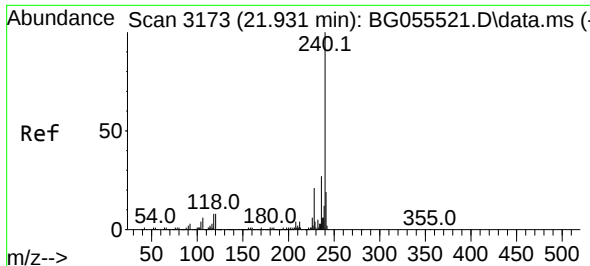


#75
 Fluoranthene
 Concen: 26.148 ng
 RT: 19.671 min Scan# 2788
 Delta R.T. 0.002 min
 Lab File: BG055582.D
 Acq: 12 Nov 2022 1:52



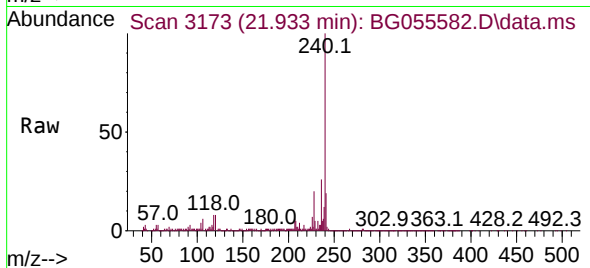
Tgt Ion:202 Resp: 603353
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 29.8
 203 17.9 0.0 38.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.933 min Scan# 3176
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

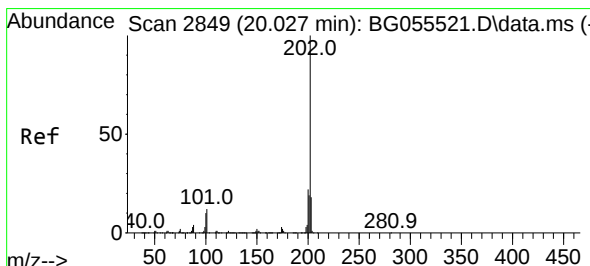
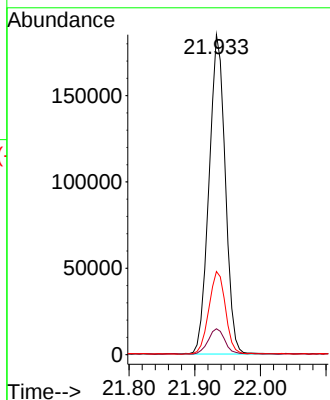
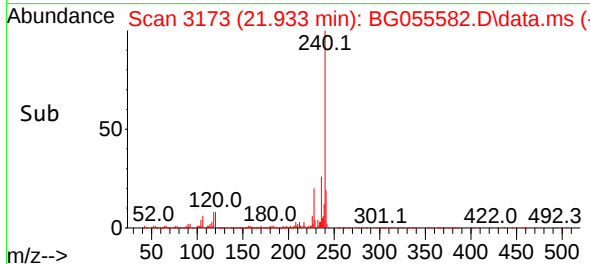
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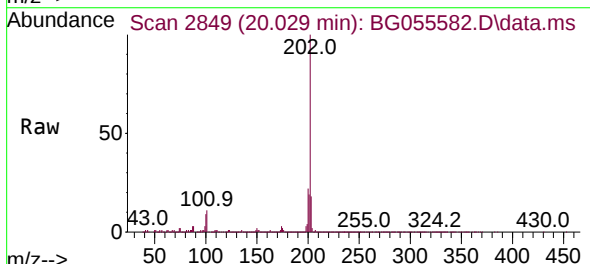
Tgt Ion:240 Resp: 317762
Ion Ratio Lower Upper
240 100
120 8.1 6.1 9.1
236 26.0 21.4 32.0

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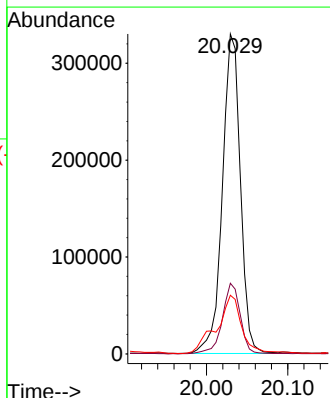
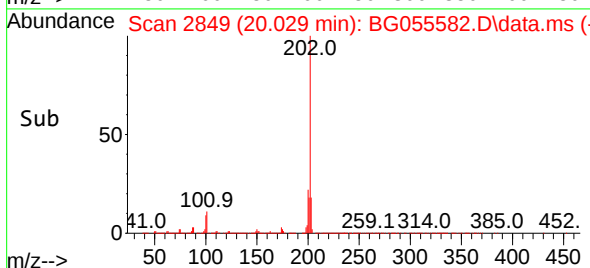
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

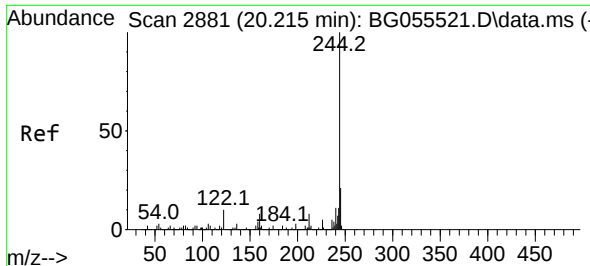


#78
Pyrene
Concen: 23.534 ng
RT: 20.029 min Scan# 2849
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52



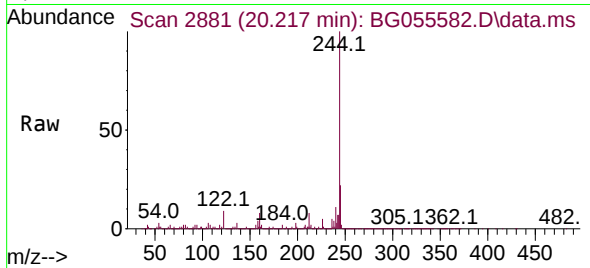
Tgt Ion:202 Resp: 506128
Ion Ratio Lower Upper
202 100
200 22.1 18.0 27.0
203 18.3 14.2 21.2





#79
 Terphenyl-d14
 Concen: 67.803 ng
 RT: 20.217 min Scan# 2881
 Delta R.T. 0.002 min
 Lab File: BG055582.D
 Acq: 12 Nov 2022 1:52

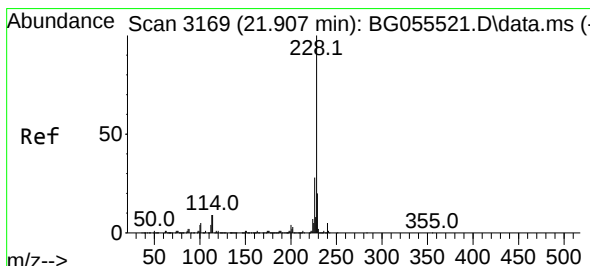
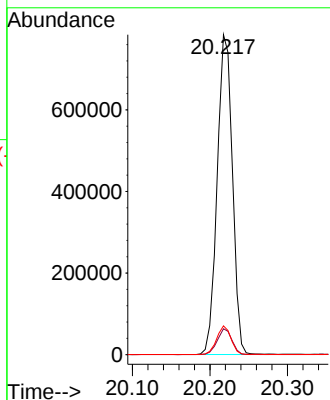
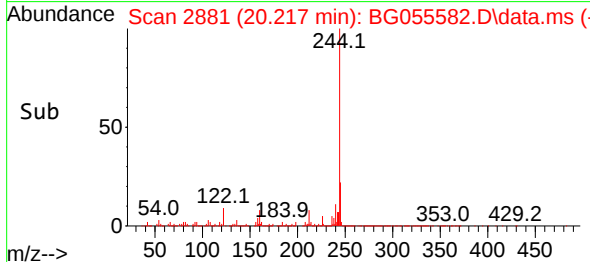
Instrument :
 BNA_G
 ClientSampleId :
 TP-13



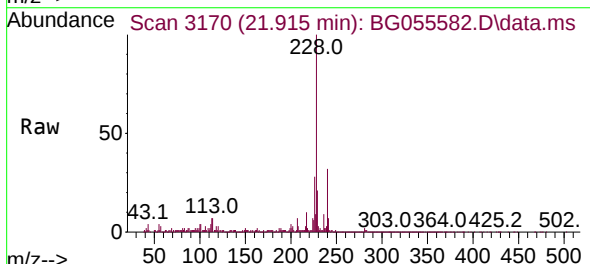
Tgt Ion:244 Resp: 1072694
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 9.0 7.7 11.5

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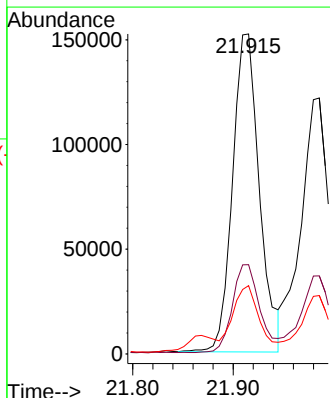
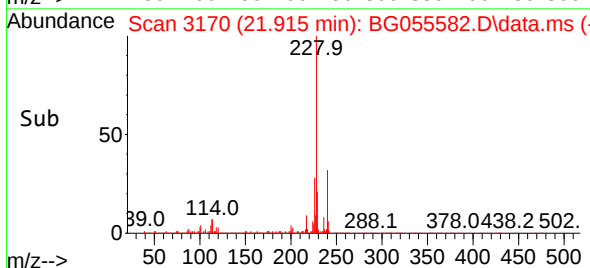
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022

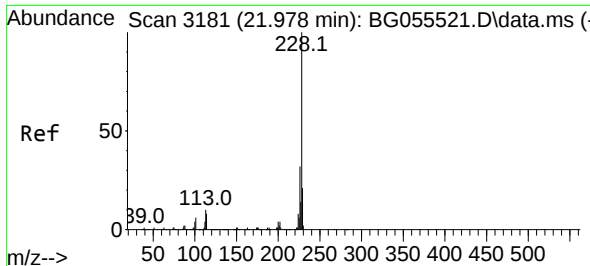


#81
 Benzo(a)anthracene
 Concen: 12.945 ng
 RT: 21.915 min Scan# 3170
 Delta R.T. 0.008 min
 Lab File: BG055582.D
 Acq: 12 Nov 2022 1:52



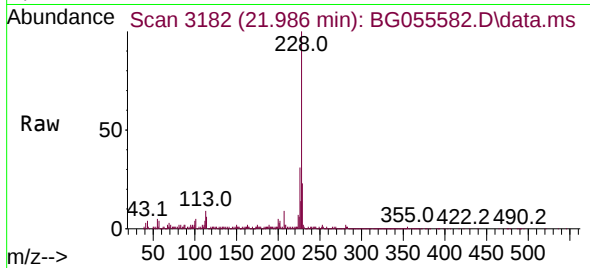
Tgt Ion:228 Resp: 281757
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 34.0
 229 21.3 16.1 24.1





#83
Chrysene
Concen: 11.467 ng
RT: 21.986 min Scan# 3181
Delta R.T. 0.008 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

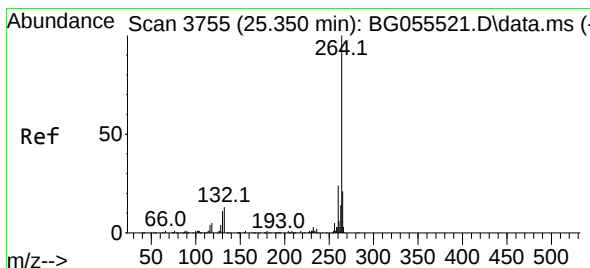
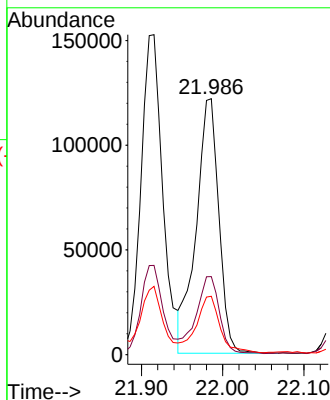
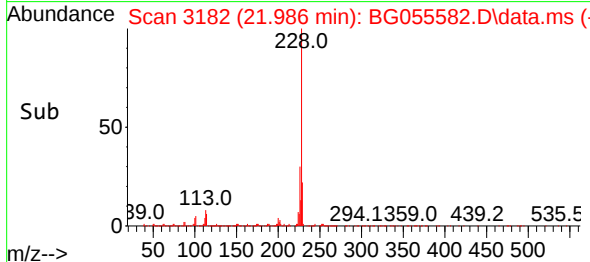
Instrument :
BNA_G
ClientSampleId :
TP-13



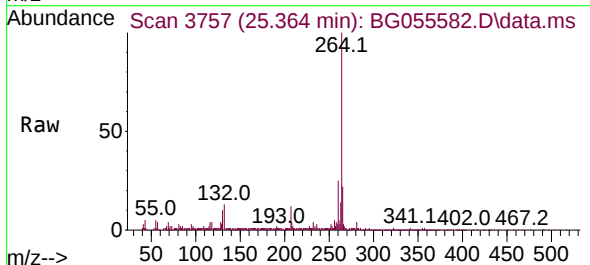
Tgt Ion:228 Resp: 237326
Ion Ratio Lower Upper
228 100
226 30.5 25.7 38.5
229 22.8 16.6 25.0

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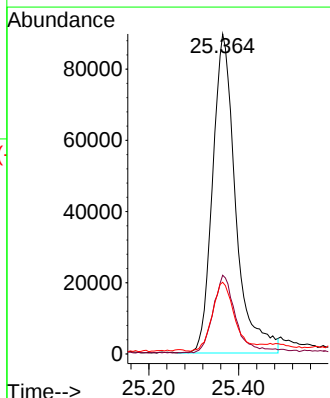
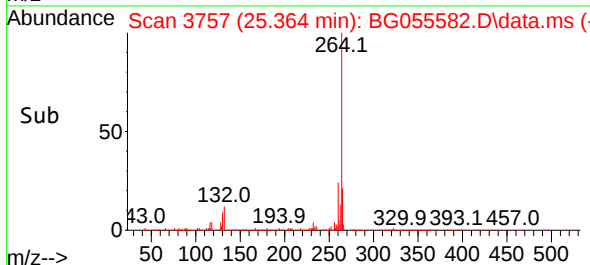
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

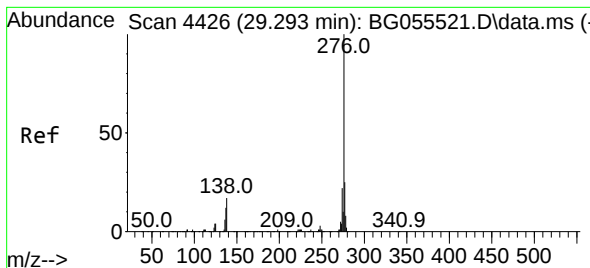


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.364 min Scan# 3757
Delta R.T. 0.014 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52



Tgt Ion:264 Resp: 320184
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 22.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.983 ng

RT: 29.307 min Scan# 4426

Delta R.T. 0.014 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

Instrument :

BNA_G

ClientSampleId :

TP-13

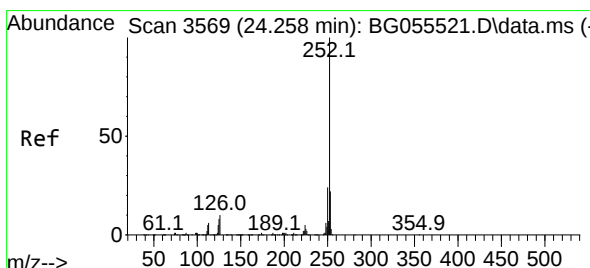
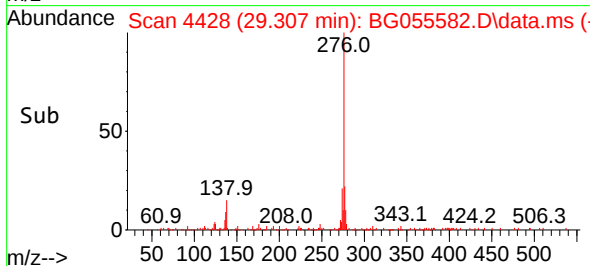
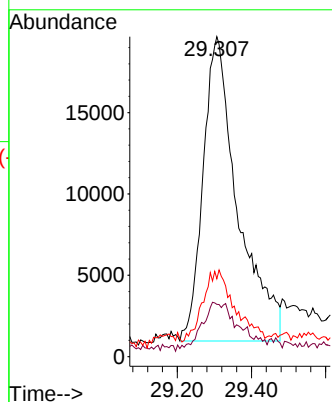
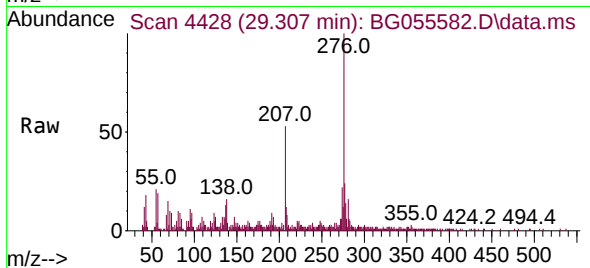
Tgt Ion:	276	Resp:	12152
Ion Ratio	Lower	Upper	
276	100		
138	9.1	11.5	17.3
277	22.3	20.4	30.6

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: 14.872 ng

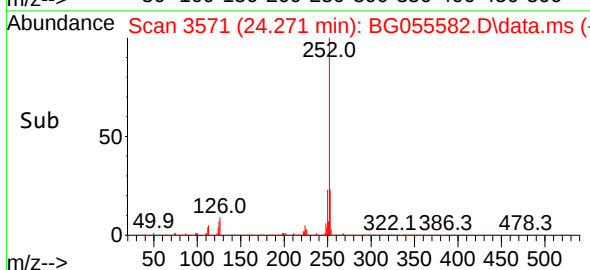
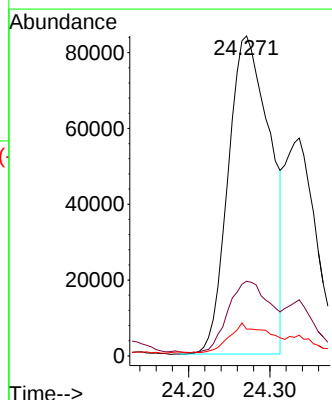
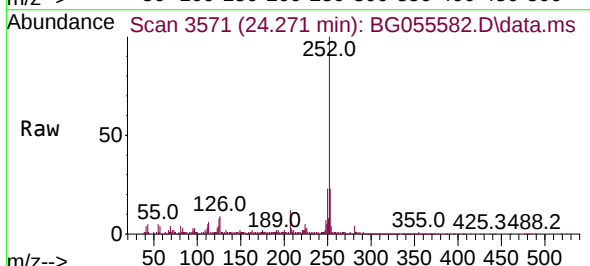
RT: 24.271 min Scan# 3571

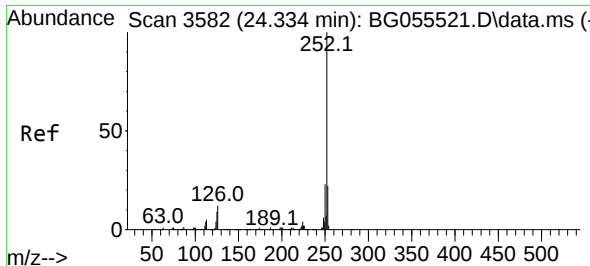
Delta R.T. 0.013 min

Lab File: BG055582.D

Acq: 12 Nov 2022 1:52

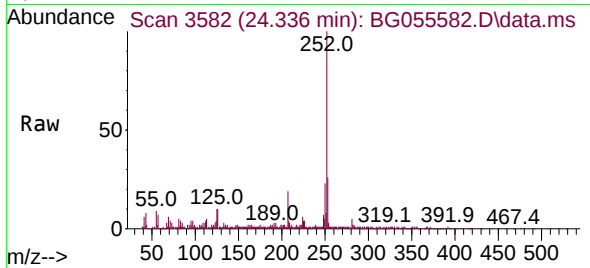
Tgt Ion:	252	Resp:	301699
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	8.4	6.7	10.1





#89
Benzo(k)fluoranthene
Concen: 7.759 ng m
RT: 24.336 min Scan# 3582
Delta R.T. 0.002 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

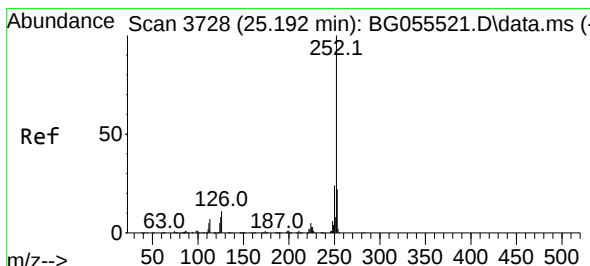
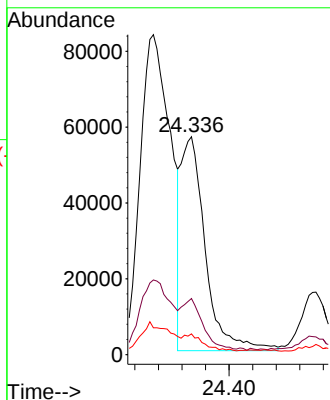
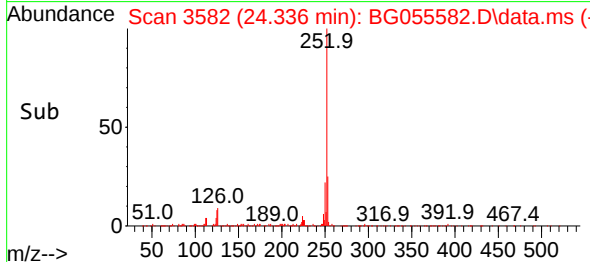
Instrument :
BNA_G
ClientSampleId :
TP-13



Tgt Ion:252 Resp: 160916
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.8
125 9.5 6.9 10.3

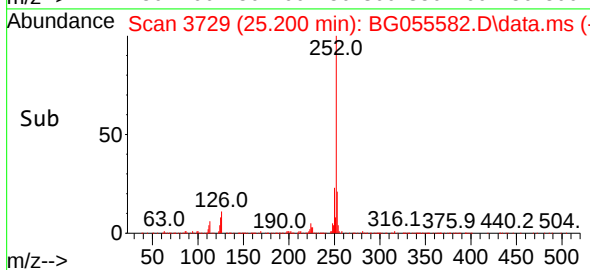
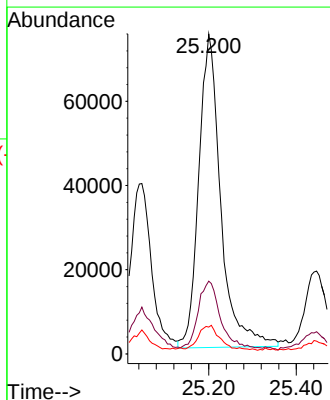
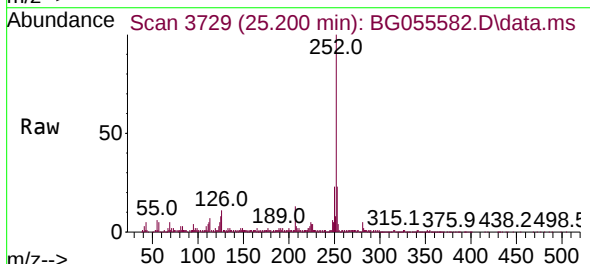
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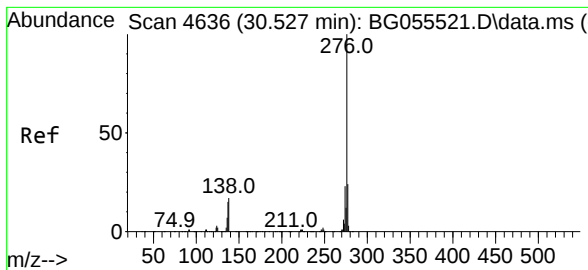
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#90
Benzo(a)pyrene
Concen: 14.856 ng
RT: 25.200 min Scan# 3729
Delta R.T. 0.008 min
Lab File: BG055582.D
Acq: 12 Nov 2022 1:52

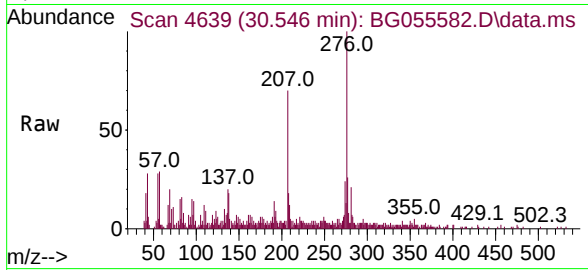
Tgt Ion:252 Resp: 259615
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 8.4 6.7 10.1





#92
 Benzo(g,h,i)perylene
 Concen: 4.766 ng
 RT: 30.546 min Scan# 4639
 Delta R.T. 0.019 min
 Lab File: BG055582.D
 Acq: 12 Nov 2022 1:52

Instrument :
 BNA_G
 ClientSampleId :
 TP-13



Tgt Ion:	276	Resp:	94048
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.3	28.9
138	18.3	13.9	20.9

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

