

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
 Data File : BG055576.D
 Acq On : 11 Nov 2022 21:35
 Operator : CG/JU
 Sample : N5531-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-26

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 00:54:57 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	63849	20.000	ng	0.00
21) Naphthalene-d8	11.098	136	257362	20.000	ng	0.00
39) Acenaphthene-d10	14.888	164	171826	20.000	ng	0.00
64) Phenanthrene-d10	17.626	188	353158	20.000	ng	0.00
76) Chrysene-d12	21.933	240	318932	20.000	ng	0.00
86) Perylene-d12	25.358	264	352641	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	569551	169.907	ng	0.00
7) Phenol-d6	7.408	99	749178	161.795	ng	0.00
23) Nitrobenzene-d5	9.441	82	477865	125.875	ng	0.00
42) 2,4,6-Tribromophenol	16.368	330	329098	196.299	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	1079564	94.771	ng	0.00
79) Terphenyl-d14	20.217	244	1485739	93.568	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.673	178	307422	16.197	ng	99
72) Anthracene	17.761	178	80141	4.309	ng	97
75) Fluoranthene	19.670	202	1024660	45.271	ng	99
78) Pyrene	20.029	202	1846756	85.557	ng	94
81) Benzo(a)anthracene	21.909	228	1100961	50.397	ng	97
83) Chrysene	21.980	228	1112800	53.570	ng	99
87) Indeno(1,2,3-cd)pyrene	29.289	276	455125	16.945	ng	98
88) Benzo(b)fluoranthene	24.265	252	935524	41.870	ng	99
89) Benzo(k)fluoranthene	24.330	252	286320m	12.534	ng	
90) Benzo(a)pyrene	25.199	252	904437	46.991	ng	99
91) Dibenzo(a,h)anthracene	29.342	278	132608	5.965	ng	95
92) Benzo(g,h,i)perylene	30.534	276	560821	25.804	ng	98

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

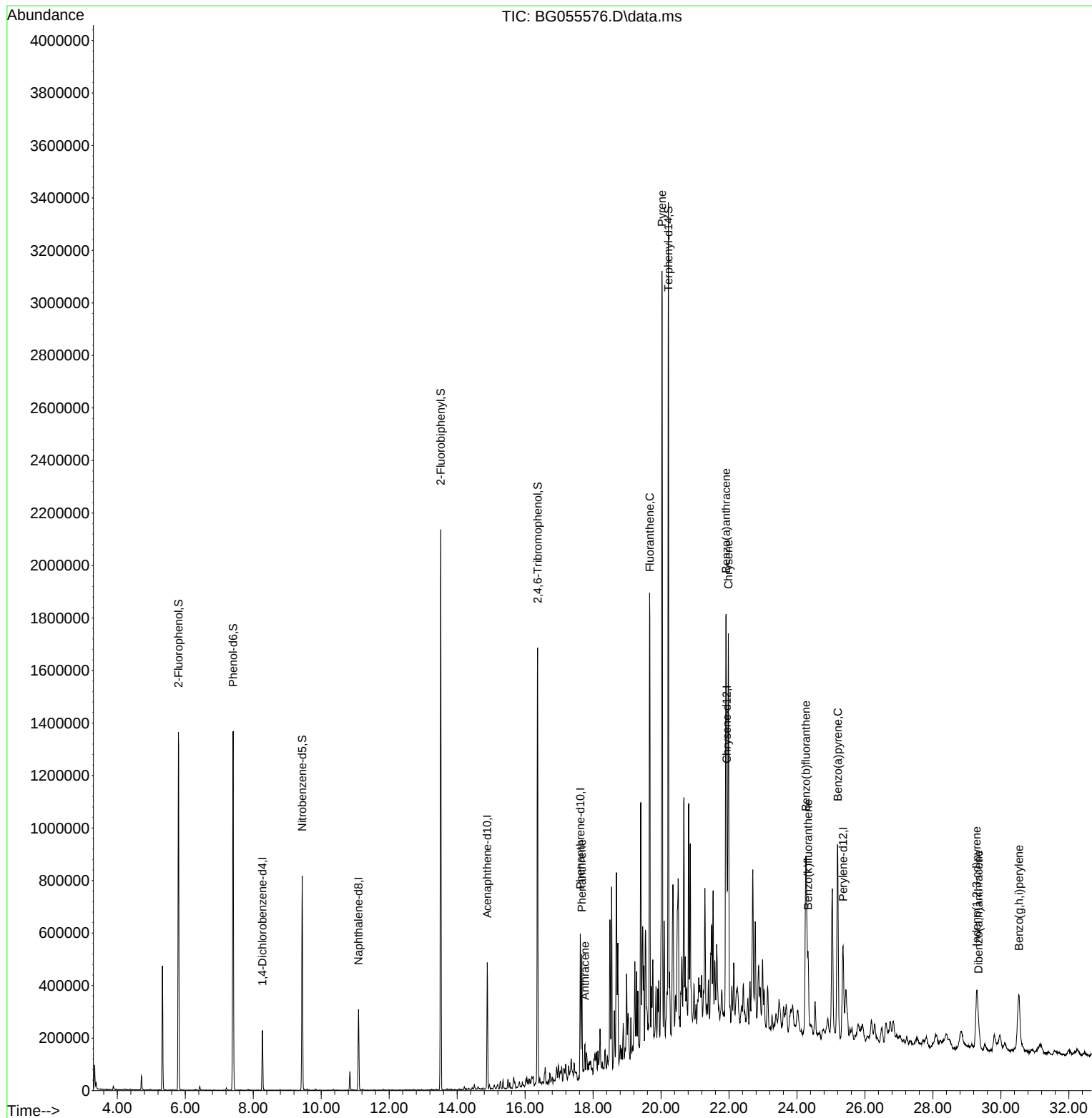
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
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ALS Vial : 9 Sample Multiplier: 1

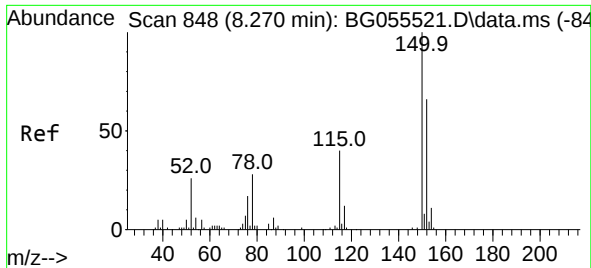
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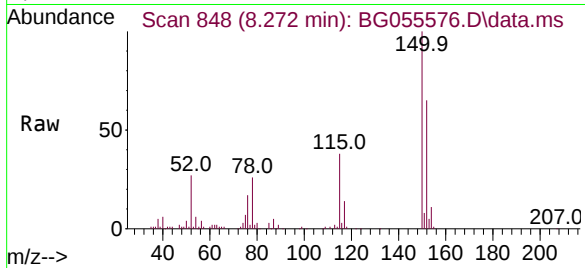
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

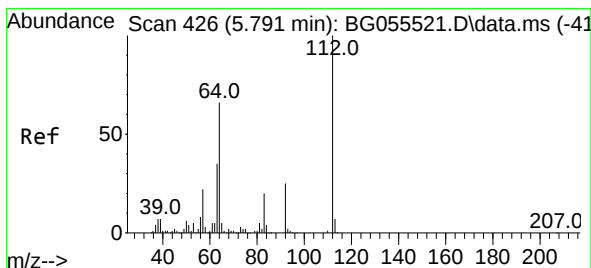
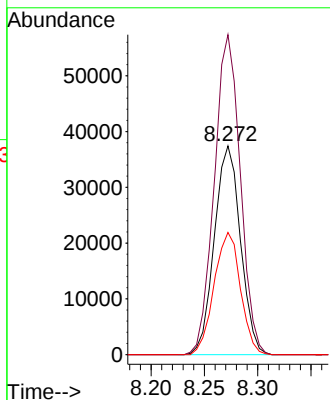
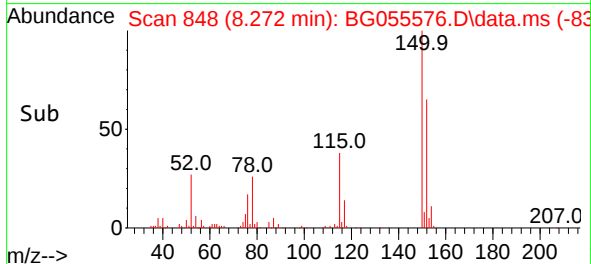
Instrument :
BNA_G
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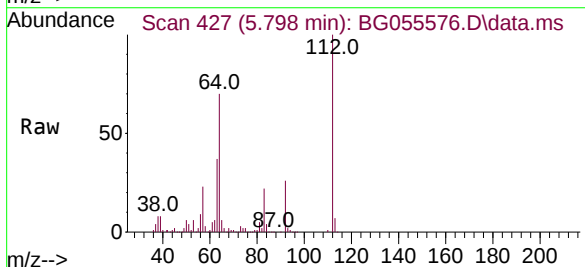
Tgt Ion:152 Resp: 63849
Ion Ratio Lower Upper
152 100
150 153.3 121.0 181.4
115 58.6 47.8 71.8

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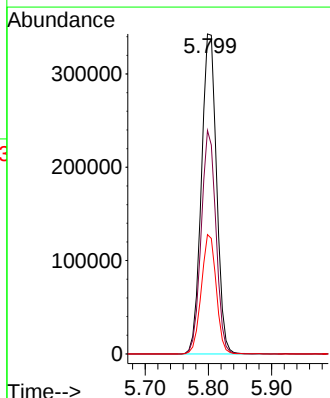
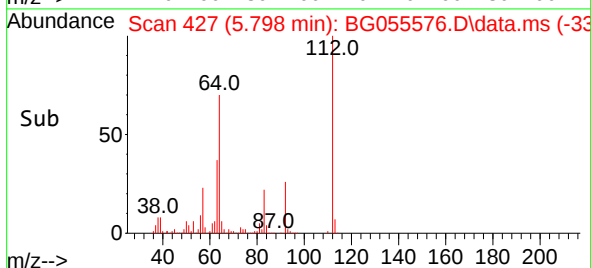
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

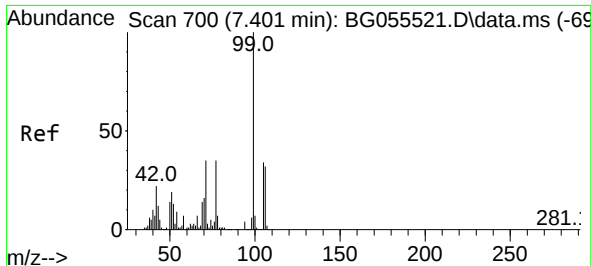


#5
2-Fluorophenol
Concen: 169.907 ng
RT: 5.798 min Scan# 427
Delta R.T. 0.007 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35



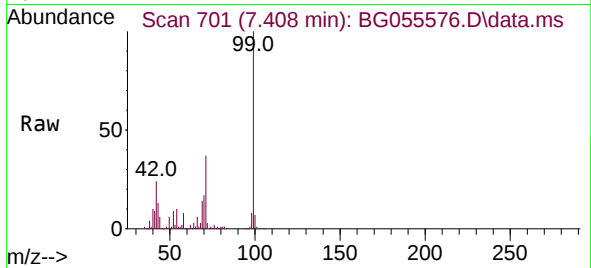
Tgt Ion:112 Resp: 569551
Ion Ratio Lower Upper
112 100
64 69.8 52.6 78.8
63 37.3 28.3 42.5





#7
Phenol-d6
Concen: 161.795 ng
RT: 7.408 min Scan# 700
Delta R.T. 0.007 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

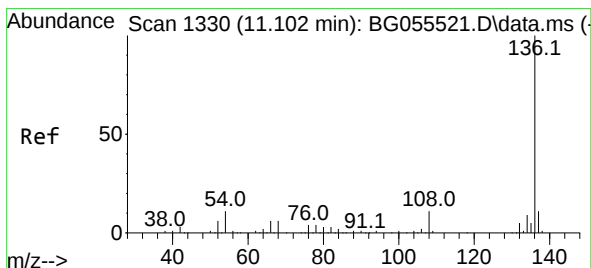
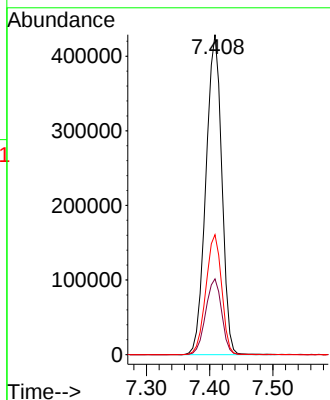
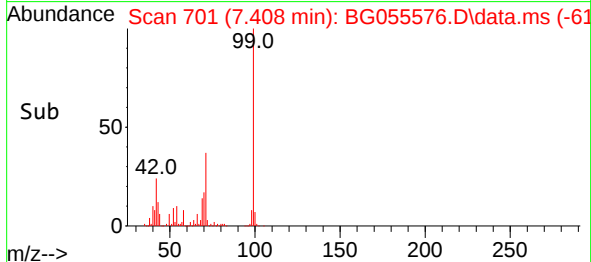
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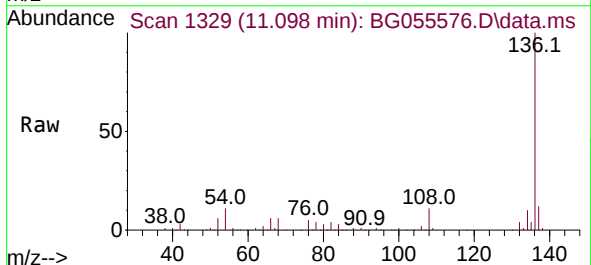
Tgt Ion: 99 Resp: 749178
Ion Ratio Lower Upper
99 100
42 23.7 17.5 26.3
71 37.5 28.3 42.5

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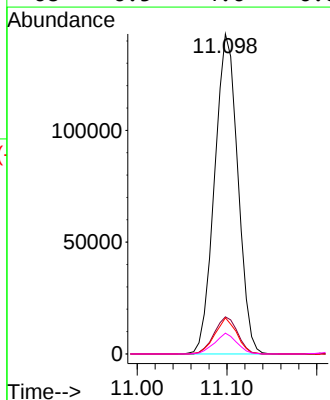
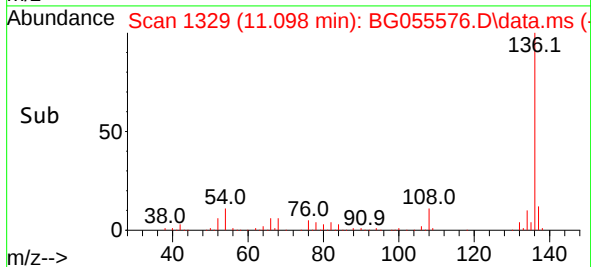
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

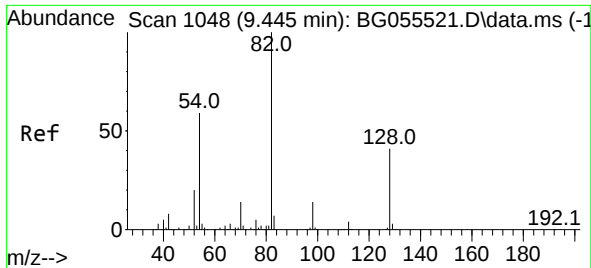


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.098 min Scan# 1329
Delta R.T. -0.004 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35



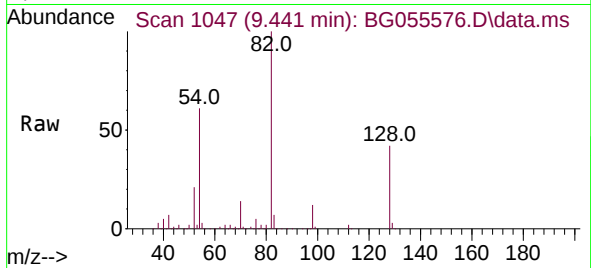
Tgt Ion:136 Resp: 257362
Ion Ratio Lower Upper
136 100
137 11.6 8.6 12.8
54 11.3 8.6 12.8
68 6.5 4.6 6.8





#23
Nitrobenzene-d5
Concen: 125.875 ng
RT: 9.441 min Scan# 1047
Delta R.T. -0.004 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

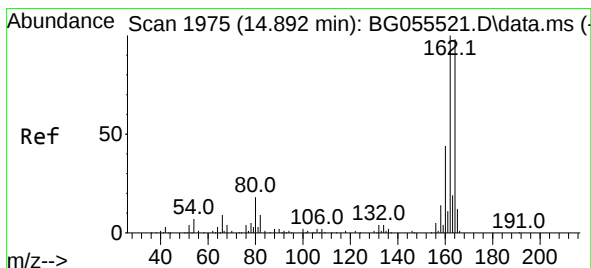
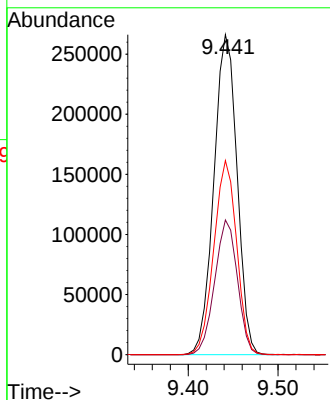
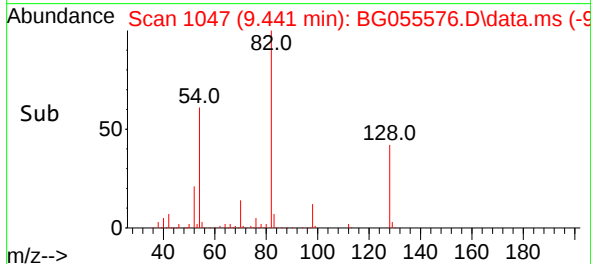
Instrument :
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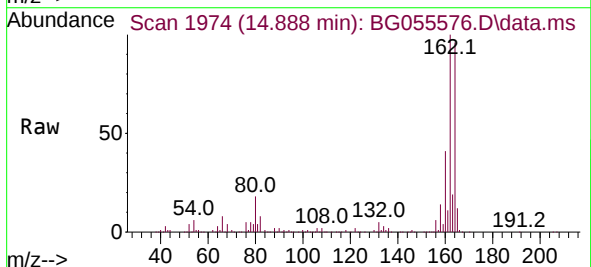
Tgt Ion: 82 Resp: 477865
Ion Ratio Lower Upper
82 100
128 42.1 32.6 49.0
54 60.6 47.3 70.9

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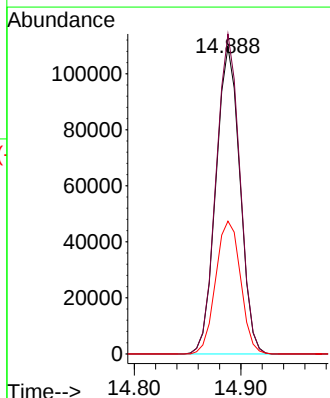
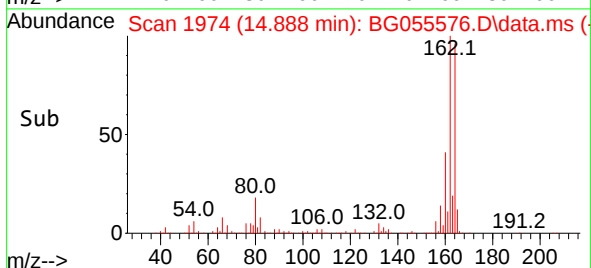
Reviewed By :Christian Giraldo 11/12/2022
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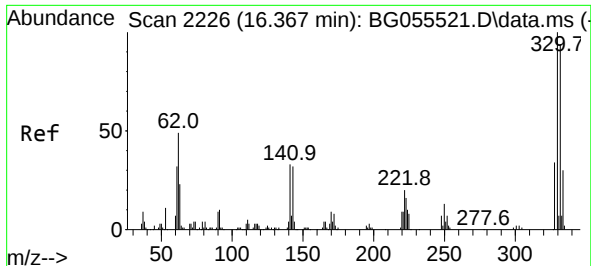


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.888 min Scan# 1974
Delta R.T. -0.004 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35



Tgt Ion:164 Resp: 171826
Ion Ratio Lower Upper
164 100
162 104.2 81.3 121.9
160 43.2 35.9 53.9





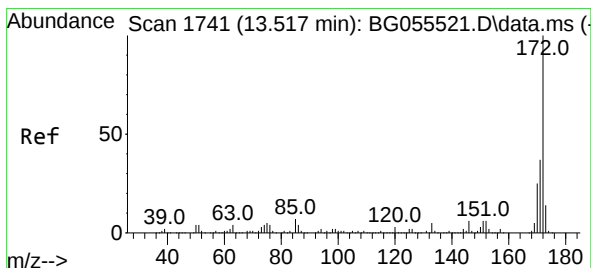
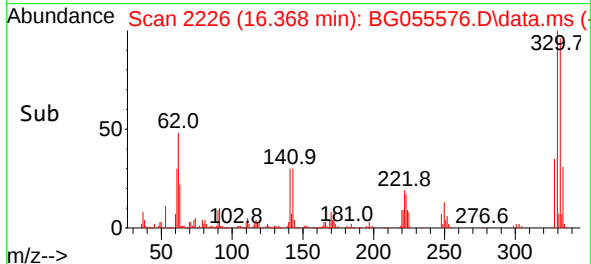
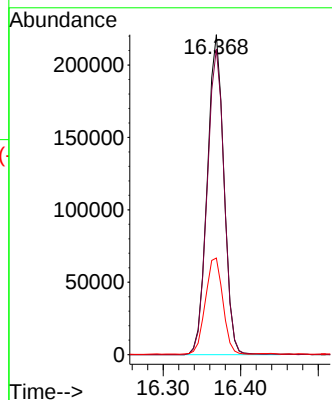
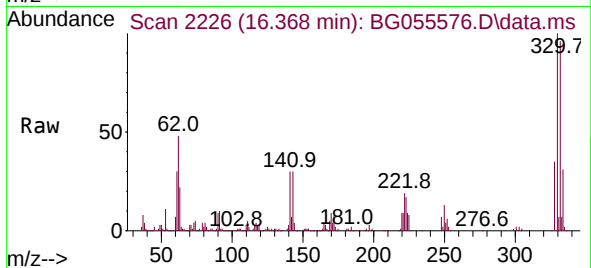
#42
2,4,6-Tribromophenol
Concen: 196.299 ng
RT: 16.368 min Scan# 2226
Delta R.T. 0.001 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

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Client Sample Id :
SB-26

Tgt Ion: 330 Resp: 329098
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.2
141 31.5 25.4 38.2

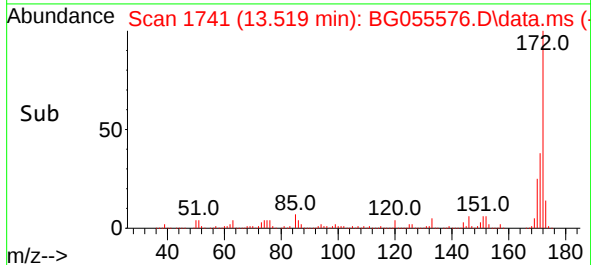
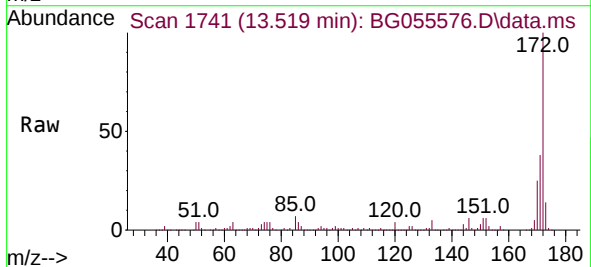
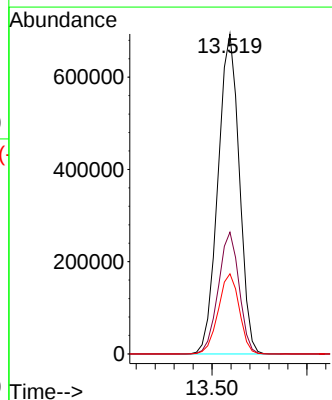
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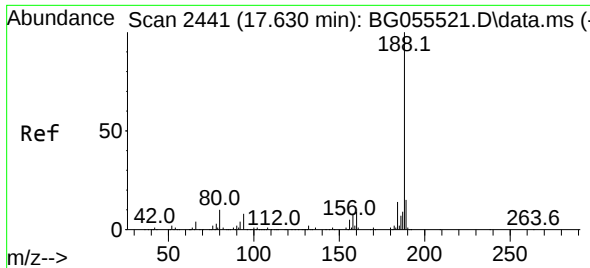
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022



#45
2-Fluorobiphenyl
Concen: 94.771 ng
RT: 13.519 min Scan# 1741
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

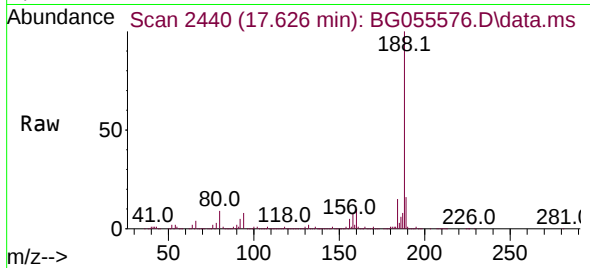
Tgt Ion: 172 Resp: 1079564
Ion Ratio Lower Upper
172 100
171 38.0 29.7 44.5
170 25.0 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.626 min Scan# 2441
Delta R.T. -0.004 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

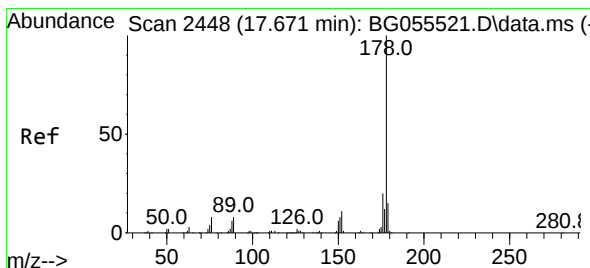
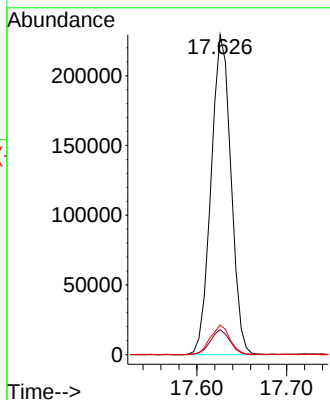
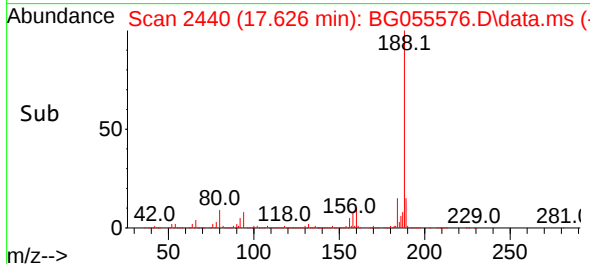
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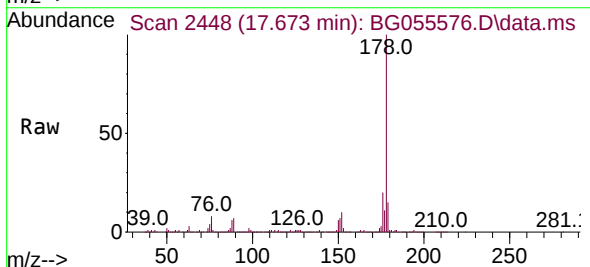
Tgt Ion:188 Resp: 353158
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 9.2 7.6 11.4

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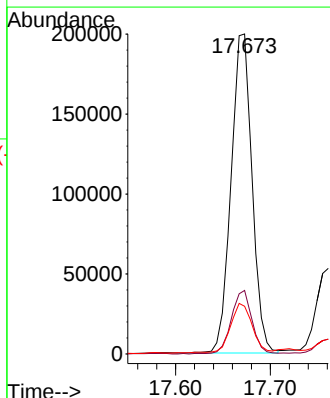
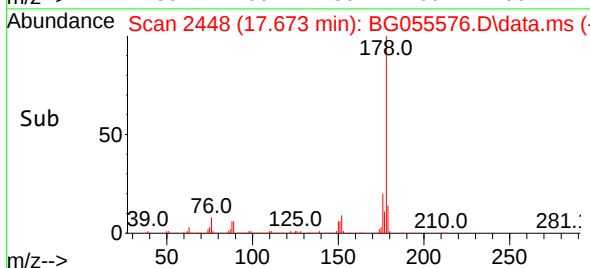
Reviewed By :Christian Giraldo 11/12/2022
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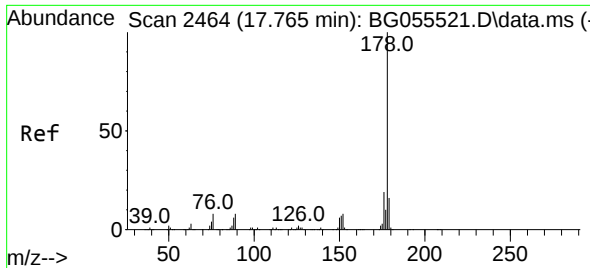


#71
Phenanthrene
Concen: 16.197 ng
RT: 17.673 min Scan# 2448
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35



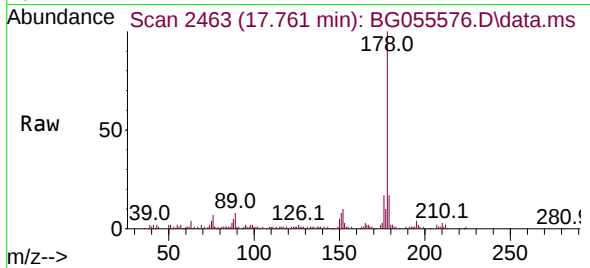
Tgt Ion:178 Resp: 307422
Ion Ratio Lower Upper
178 100
176 19.9 16.1 24.1
179 14.9 12.2 18.4





#72
 Anthracene
 Concen: 4.309 ng
 RT: 17.761 min Scan# 2463
 Delta R.T. -0.004 min
 Lab File: BG055576.D
 Acq: 11 Nov 2022 21:35

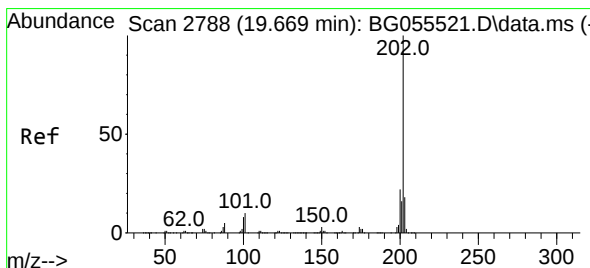
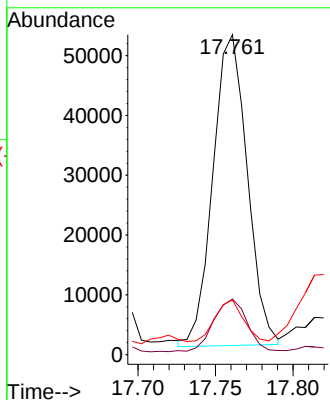
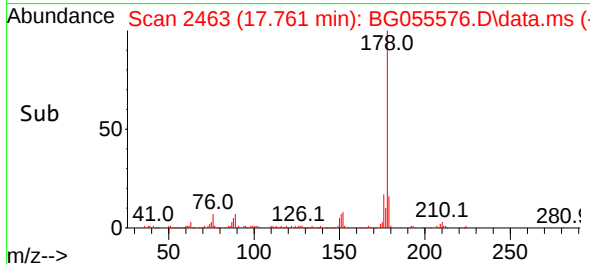
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Tgt Ion:178 Resp: 8014
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.4 23.0
 179 17.1 13.0 19.4

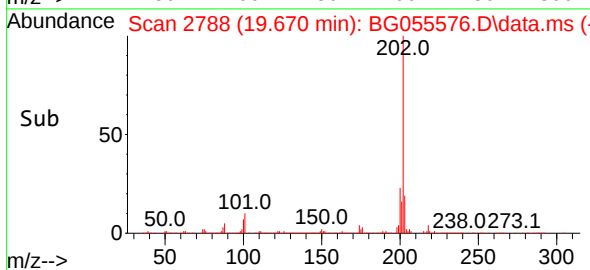
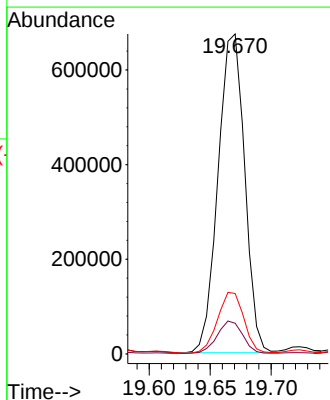
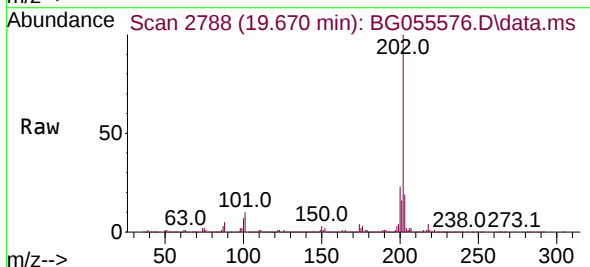
Manual Integrations
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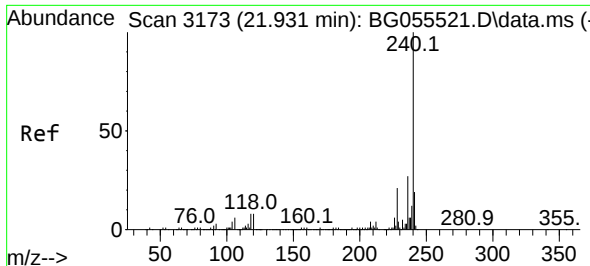
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022



#75
 Fluoranthene
 Concen: 45.271 ng
 RT: 19.670 min Scan# 2788
 Delta R.T. 0.001 min
 Lab File: BG055576.D
 Acq: 11 Nov 2022 21:35

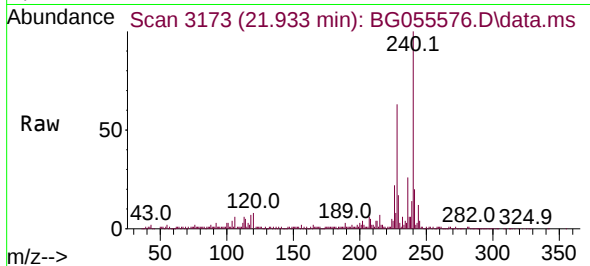
Tgt Ion:202 Resp: 1024660
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.8
 203 18.9 0.0 38.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.933 min Scan# 3173
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

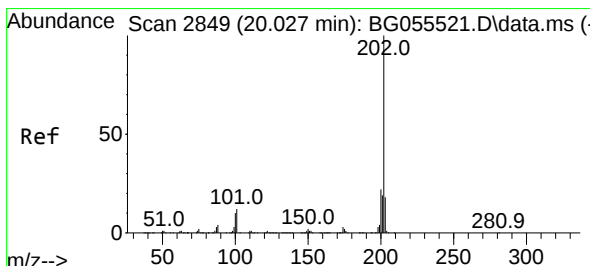
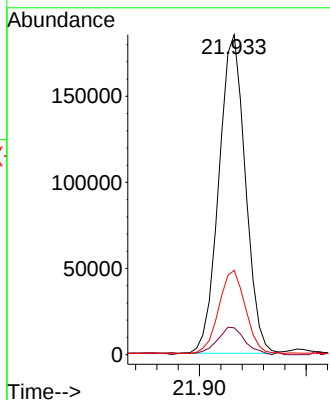
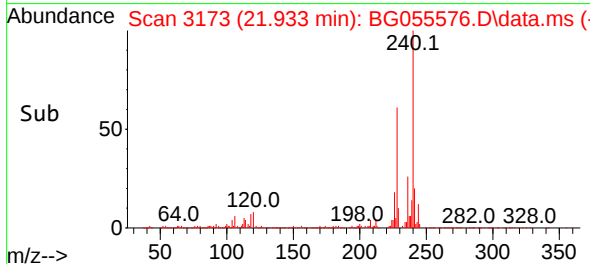
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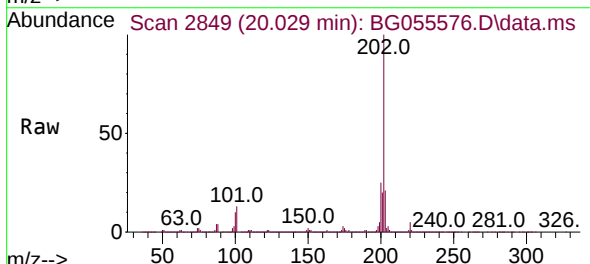
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Ion Ratio Lower Upper
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120 8.4 6.1 9.1
236 26.3 21.4 32.0

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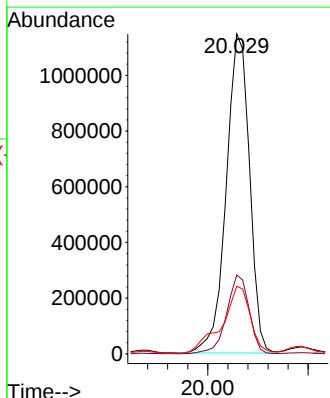
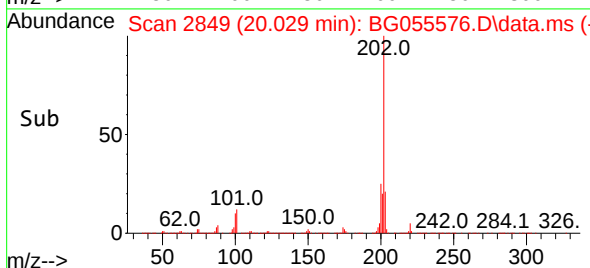
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

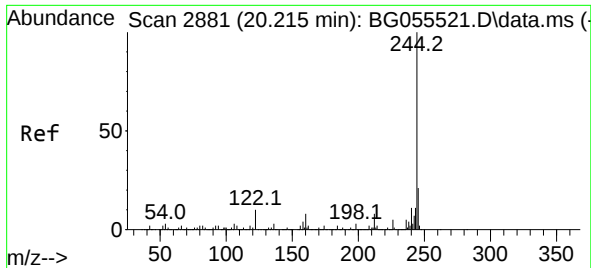


#78
Pyrene
Concen: 85.557 ng
RT: 20.029 min Scan# 2849
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35



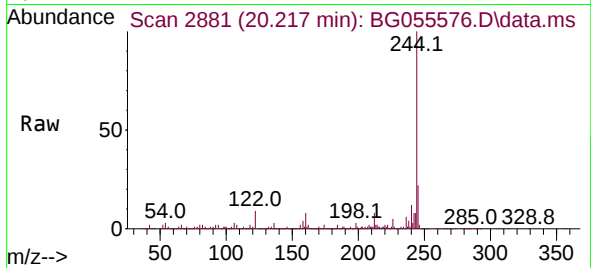
Tgt Ion:202 Resp: 1846756
Ion Ratio Lower Upper
202 100
200 24.6 18.0 27.0
203 21.1 14.2 21.2





#79
 Terphenyl-d14
 Concen: 93.568 ng
 RT: 20.217 min Scan# 2881
 Delta R.T. 0.002 min
 Lab File: BG055576.D
 Acq: 11 Nov 2022 21:35

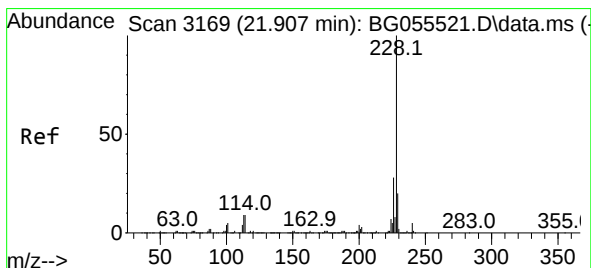
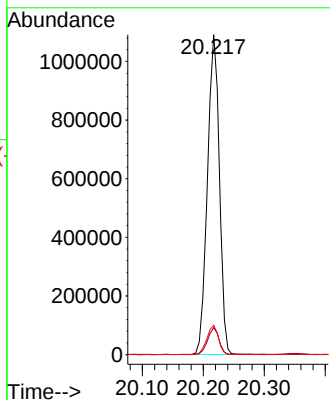
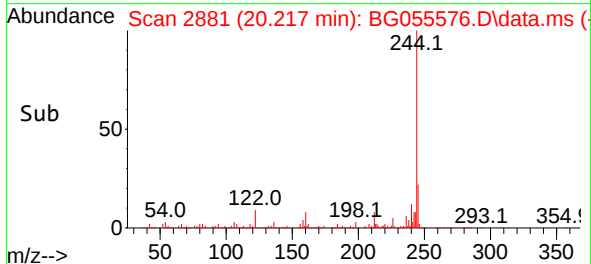
Instrument :
 BNA_G
 ClientSampleId :
 SB-26



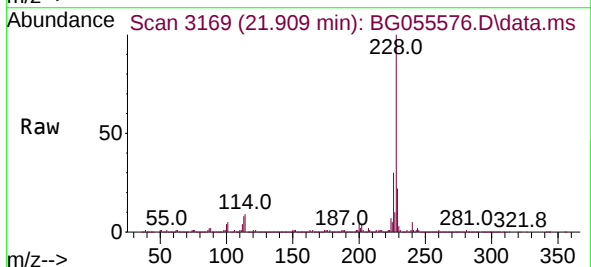
Tgt Ion:244 Resp: 1485739
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 9.2 7.7 11.5

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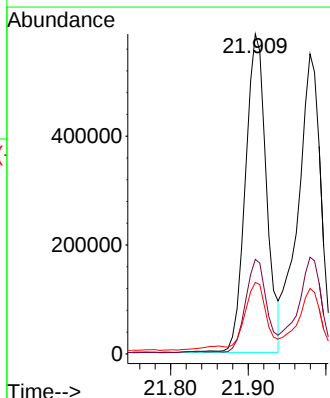
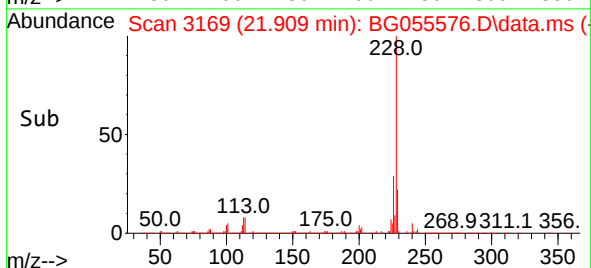
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022

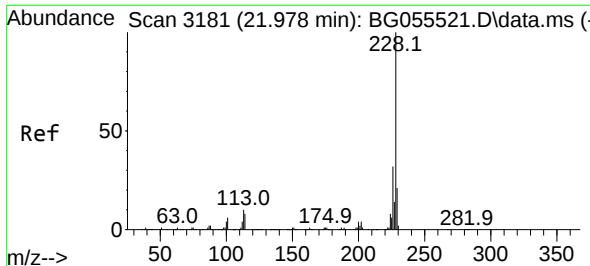


#81
 Benzo(a)anthracene
 Concen: 50.397 ng
 RT: 21.909 min Scan# 3169
 Delta R.T. 0.002 min
 Lab File: BG055576.D
 Acq: 11 Nov 2022 21:35



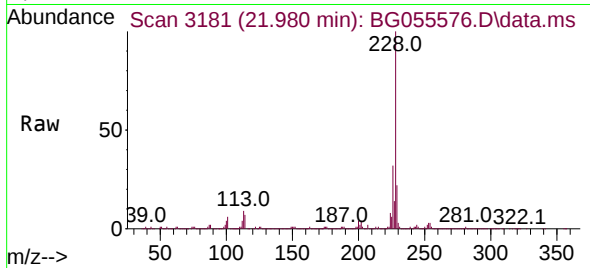
Tgt Ion:228 Resp: 1100961
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.6 34.0
 229 22.3 16.1 24.1





#83
Chrysene
Concen: 53.570 ng
RT: 21.980 min Scan# 3181
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

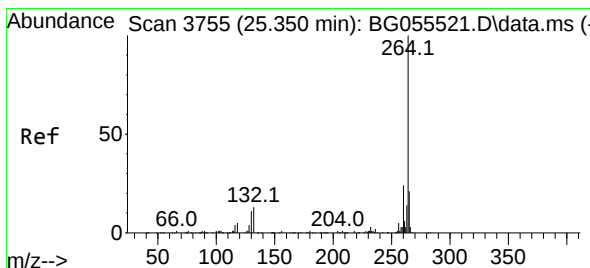
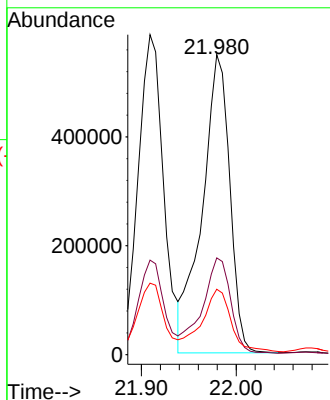
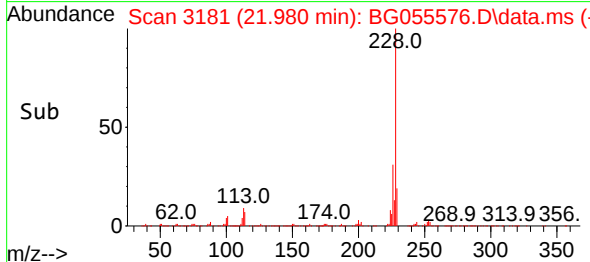
Instrument :
BNA_G
ClientSampleId :
SB-26



Tgt Ion:228 Resp: 1112800
Ion Ratio Lower Upper
228 100
226 32.2 25.7 38.5
229 21.8 16.6 25.0

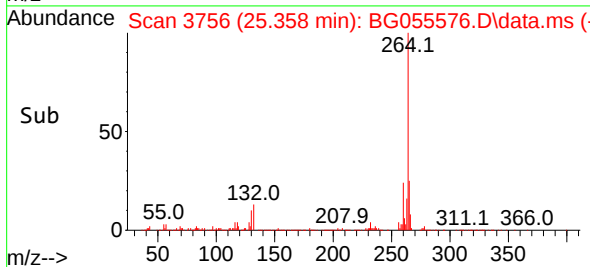
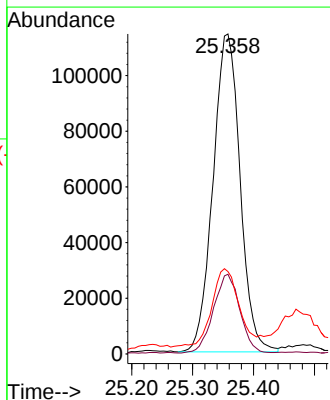
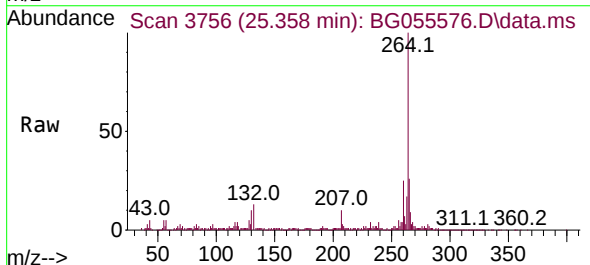
Manual Integrations
APPROVED

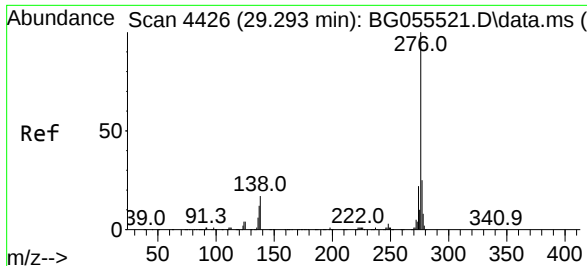
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.358 min Scan# 3756
Delta R.T. 0.008 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

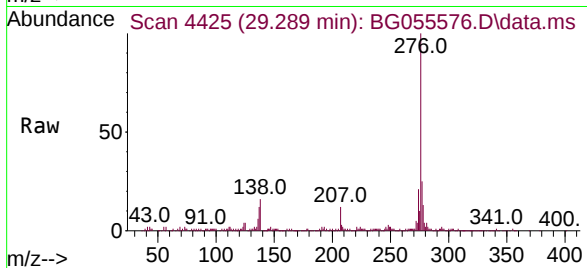
Tgt Ion:264 Resp: 352641
Ion Ratio Lower Upper
264 100
260 24.9 19.4 29.2
265 25.7 17.1 25.7#





#87
Indeno(1,2,3-cd)pyrene
Concen: 16.945 ng
RT: 29.289 min Scan# 4426
Delta R.T. -0.004 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

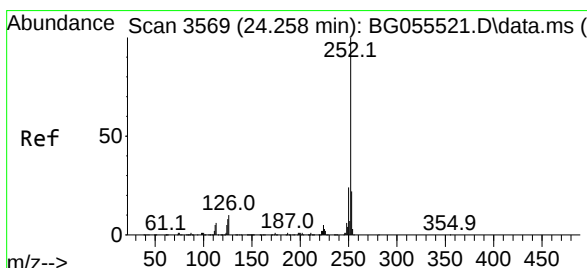
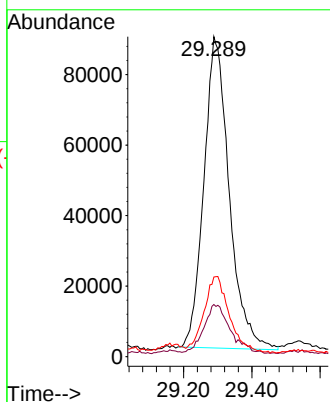
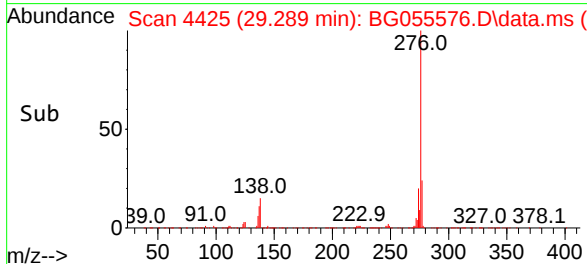
Instrument :
BNA_G
ClientSampleId :
SB-26



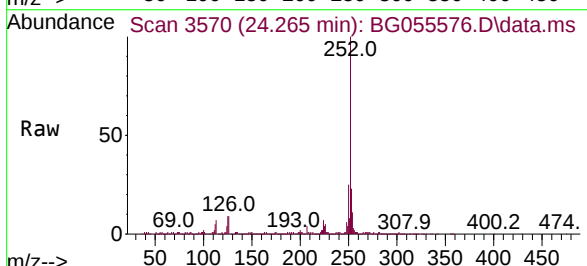
Tgt Ion:276 Resp: 455125
Ion Ratio Lower Upper
276 100
138 15.7 11.5 17.3
277 25.0 20.4 30.6

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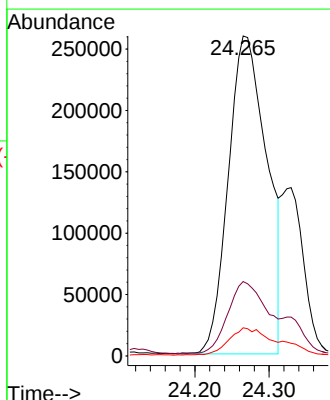
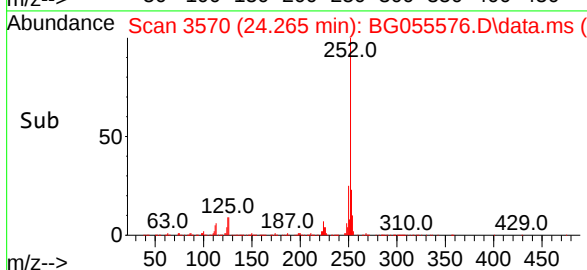
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

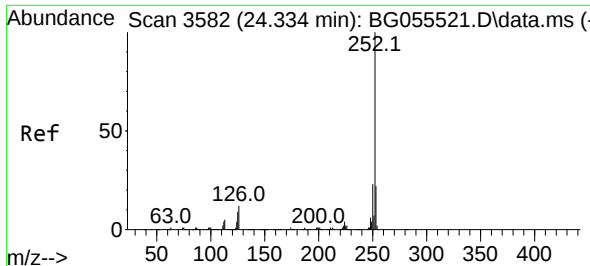


#88
Benzo(b)fluoranthene
Concen: 41.870 ng
RT: 24.265 min Scan# 3570
Delta R.T. 0.007 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35



Tgt Ion:252 Resp: 935524
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 8.8 6.7 10.1





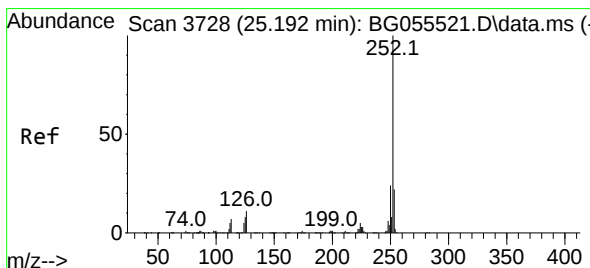
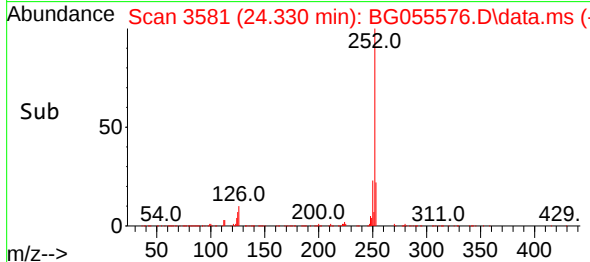
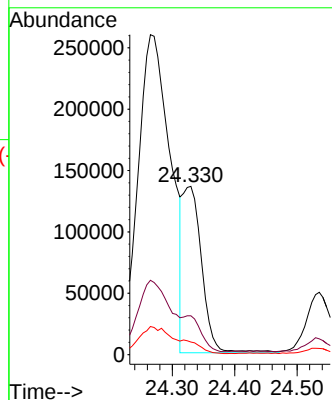
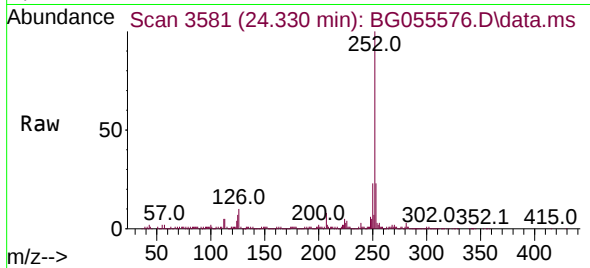
#89
Benzo(k)fluoranthene
Concen: 12.534 ng m
RT: 24.330 min Scan# 3582
Delta R.T. -0.004 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Instrument :
BNA_G
ClientSampleId :
SB-26

Tgt Ion:252 Resp: 286320
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 7.5 6.9 10.3

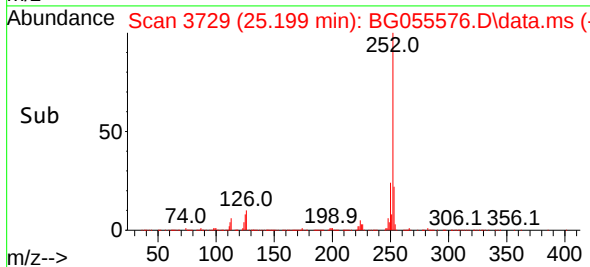
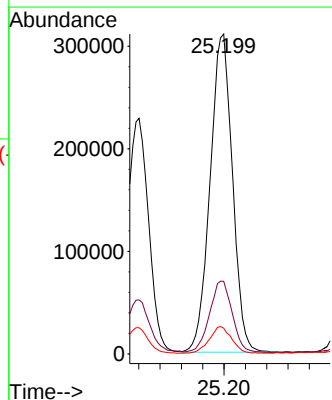
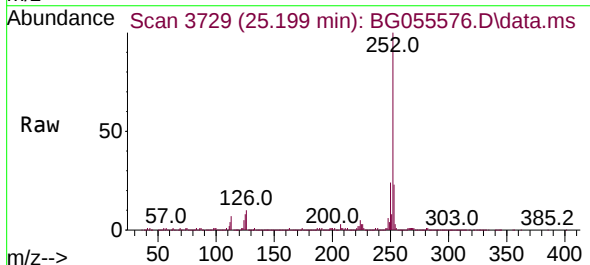
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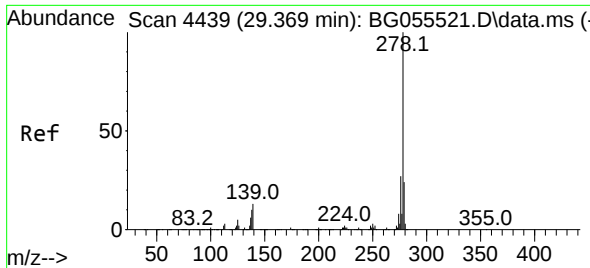
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#90
Benzo(a)pyrene
Concen: 46.991 ng
RT: 25.199 min Scan# 3729
Delta R.T. 0.007 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:252 Resp: 904437
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 8.0 6.7 10.1





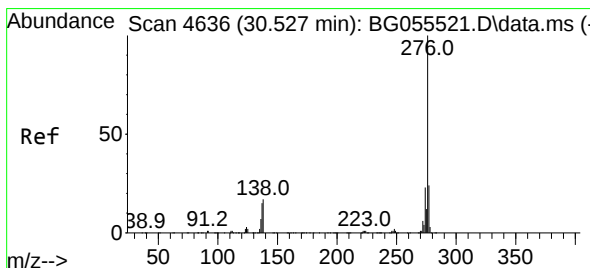
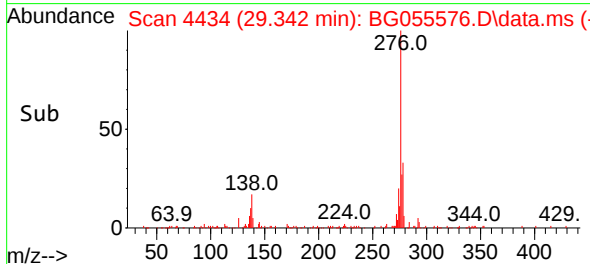
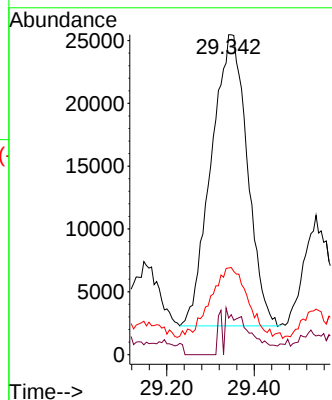
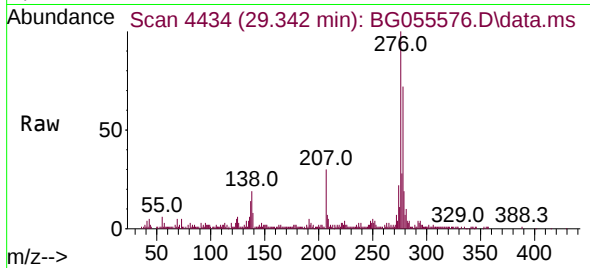
#91
Dibenzo(a,h)anthracene
Concen: 5.965 ng
RT: 29.342 min Scan# 4439
Delta R.T. -0.027 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Instrument :
BNA_G
ClientSampleId :
SB-26

Tgt Ion:278 Resp: 132608
Ion Ratio Lower Upper
278 100
139 11.4 10.6 15.8
279 27.1 19.4 29.2

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



#92
Benzo(g,h,i)perylene
Concen: 25.804 ng
RT: 30.534 min Scan# 4637
Delta R.T. 0.007 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:276 Resp: 560821
Ion Ratio Lower Upper
276 100
277 22.9 19.3 28.9
138 17.3 13.9 20.9

