

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051078.D
 Acq On : 16 Nov 2021 22:40
 Operator : CG/JU
 Sample : M4687-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VWE-B35-111221-0-10RE

Quant Time: Nov 17 00:43:36 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/17/2021
 Supervised By :mohammad ahmed 11/17/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.226	152	39917	20.000	ng	0.00
21) Naphthalene-d8	11.053	136	173707	20.000	ng	# 0.00
39) Acenaphthene-d10	14.854	164	112552	20.000	ng	0.00
64) Phenanthrene-d10	17.604	188	222638	20.000	ng	# 0.00
76) Chrysene-d12	21.904	240	185315	20.000	ng	# 0.00
86) Perylene-d12	25.330	264	180383	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.765	112	34101	12.779	ng	0.00
7) Phenol-d6	7.374	99	257293	68.314	ng	0.00
23) Nitrobenzene-d5	9.402	82	209015	53.264	ng	0.00
42) 2,4,6-Tribromophenol	16.346	330	2720	2.415	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	419353	58.870	ng	0.00
79) Terphenyl-d14	20.189	244	537504	53.073	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.645	178	187742	15.809	ng	97
72) Anthracene	17.739	178	41266	3.494	ng	99
75) Fluoranthene	19.648	202	259380	17.803	ng	95
78) Pyrene	20.007	202	244188	17.565	ng	98
81) Benzo(a)anthracene	21.887	228	106261	8.351	ng	96
83) Chrysene	21.951	228	101024m	8.416	ng	
84) Bis(2-ethylhexyl)phtha...	21.746	149	148910	17.697	ng	100
87) Indeno(1,2,3-cd)pyrene	29.266	276	38600	3.015	ng	# 85
88) Benzo(b)fluoranthene	24.231	252	116921	10.297	ng	# 82
89) Benzo(k)fluoranthene	24.296	252	43520m	3.843	ng	
90) Benzo(a)pyrene	25.165	252	85115	8.781	ng	# 82
92) Benzo(g,h,i)perylene	30.500	276	33285m	3.209	ng	

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

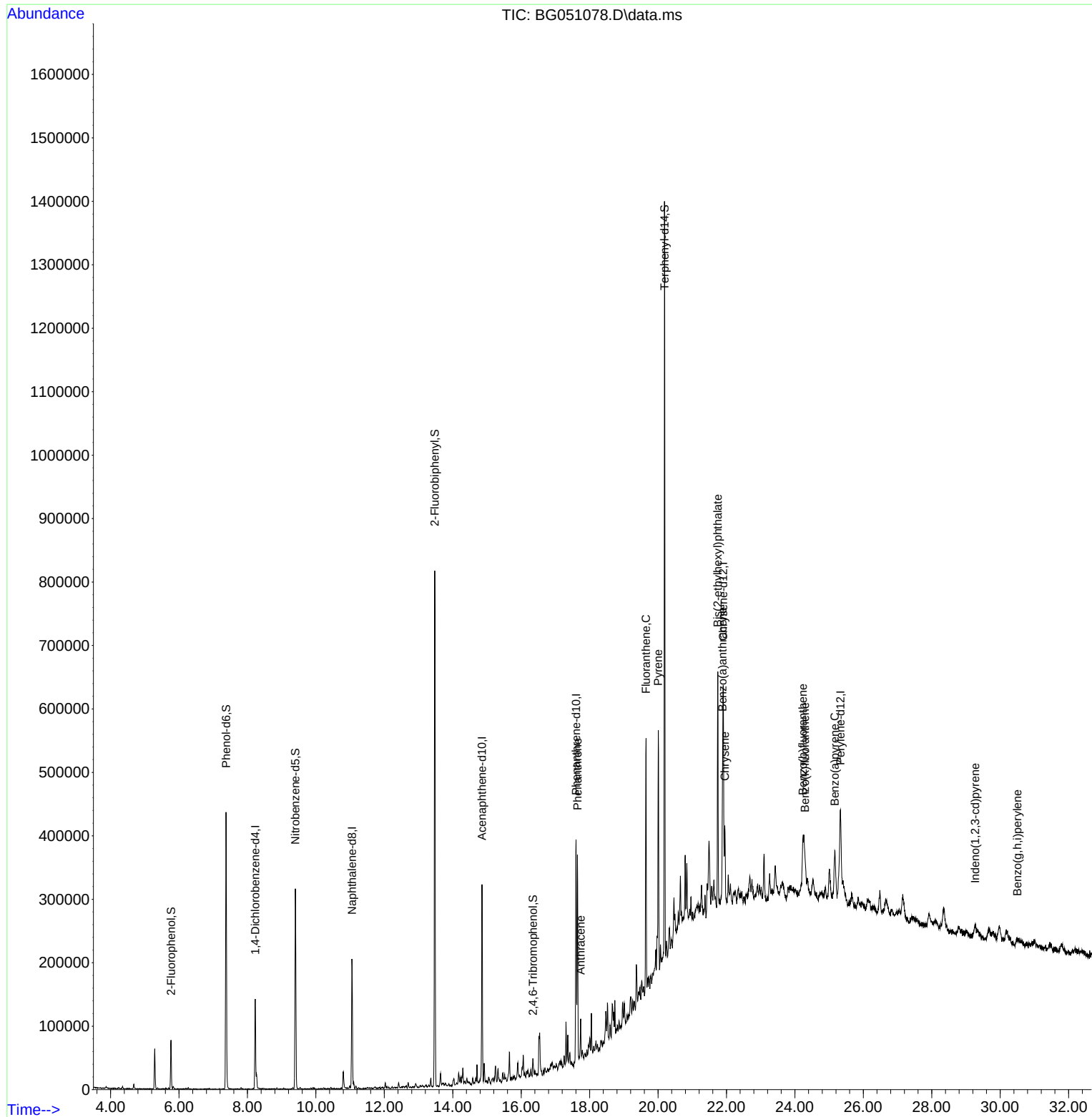
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Data File : BG051078.D
Acq On : 16 Nov 2021 22:40
Operator : CG/JU
Sample : M4687-01RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

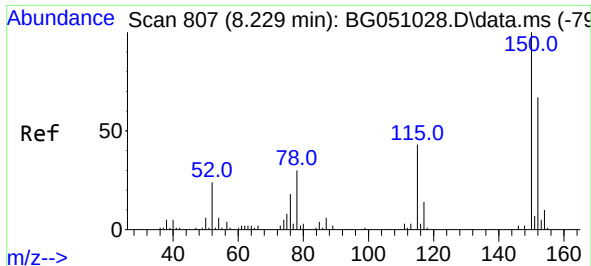
Instrument :
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ClientSampleId :
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Quant Time: Nov 17 00:43:36 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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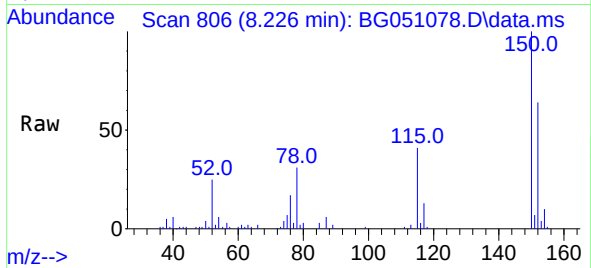
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.226 min Scan# 807
Delta R.T. -0.003 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

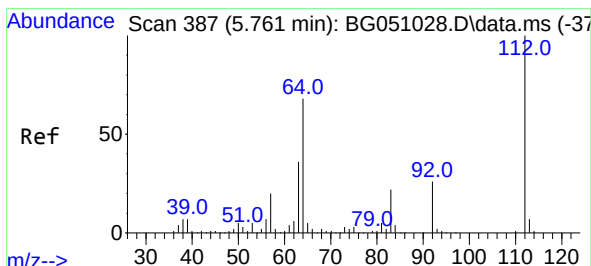
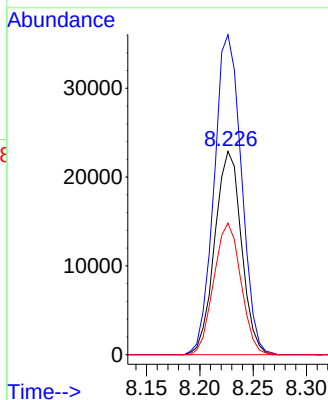
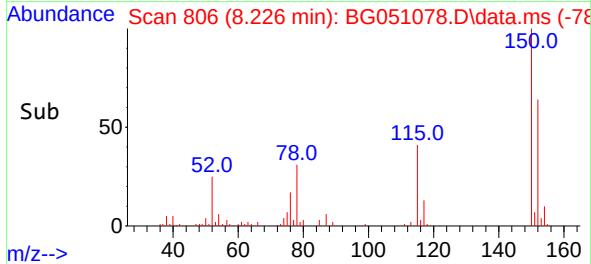
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE



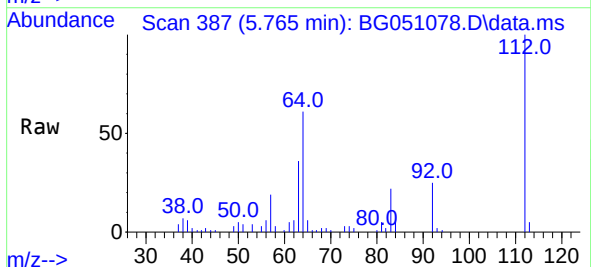
Tgt Ion:152 Resp: 3991
Ion Ratio Lower Upper
152 100
150 157.3 119.4 179.0
115 64.7 60.2 90.4

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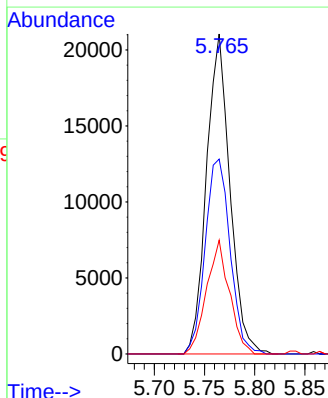
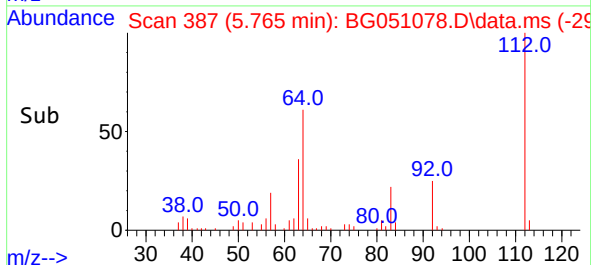
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Supervised By :mohammad ahmed 11/17/2021

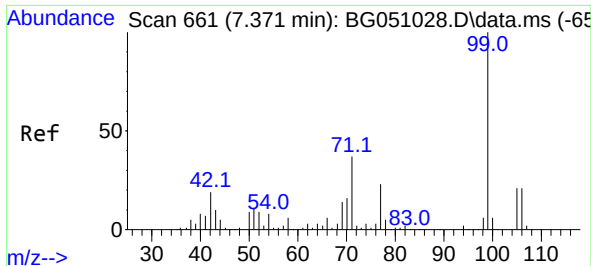


#5
2-Fluorophenol
Concen: 12.779 ng
RT: 5.765 min Scan# 387
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40



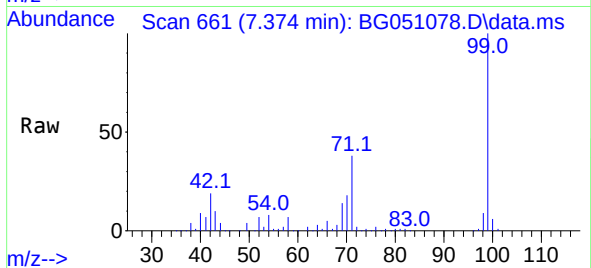
Tgt Ion:112 Resp: 34101
Ion Ratio Lower Upper
112 100
64 60.9 46.7 70.1
63 35.5 35.3 52.9





#7
Phenol-d6
Concen: 68.314 ng
RT: 7.374 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

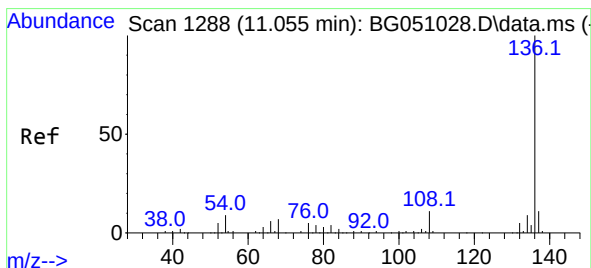
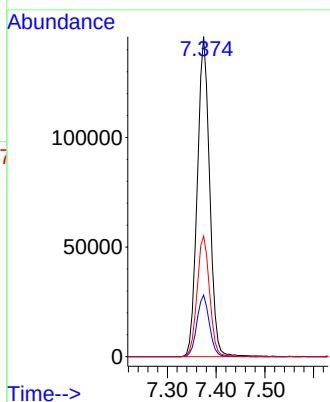
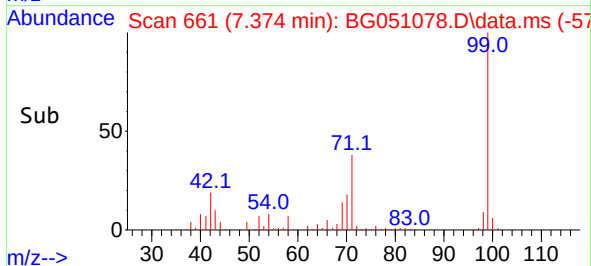
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE



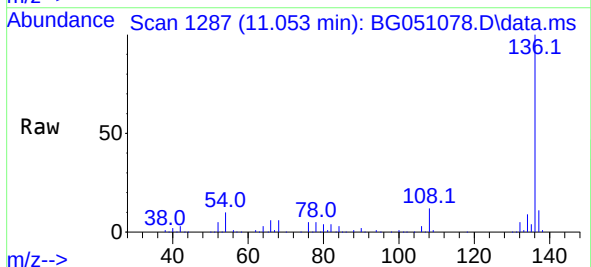
Tgt Ion: 99 Resp: 25729
Ion Ratio Lower Upper
99 100
42 19.2 20.5 30.7
71 37.7 41.5 62.3

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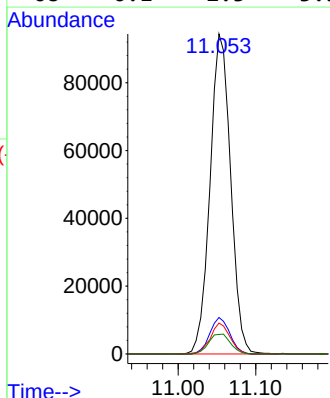
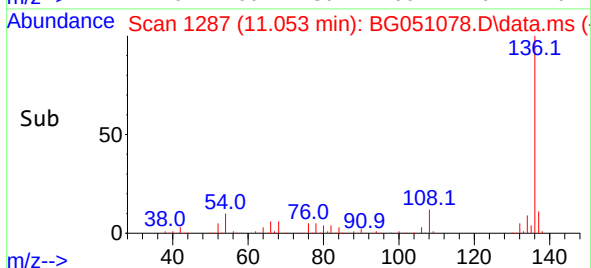
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Supervised By :mohammad ahmed 11/17/2021

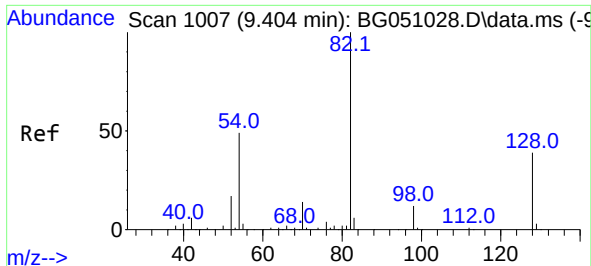


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1287
Delta R.T. -0.002 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40



Tgt Ion:136 Resp: 173707
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.2
54 9.7 5.5 8.3#
68 6.1 2.3 3.5#





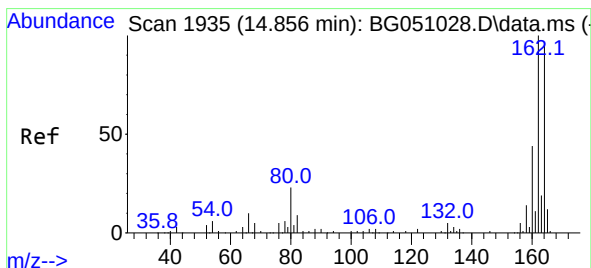
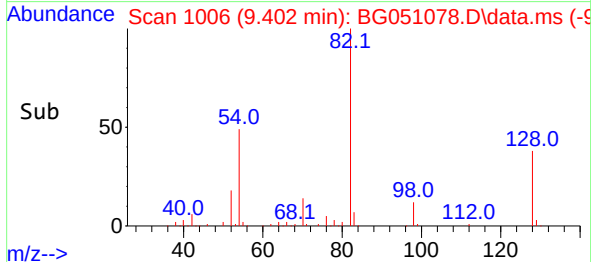
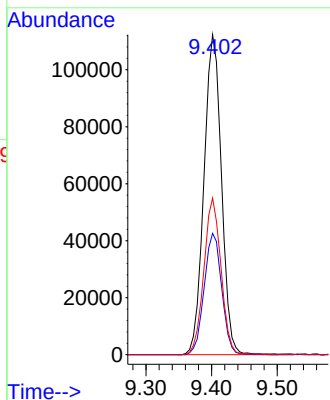
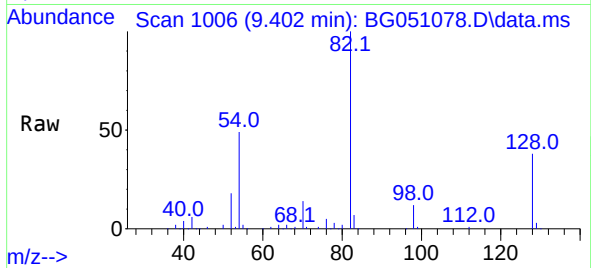
#23
Nitrobenzene-d5
Concen: 53.264 ng
RT: 9.402 min Scan# 1006
Delta R.T. -0.002 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

Tgt Ion: 82 Resp: 209015
Ion Ratio Lower Upper
82 100
128 37.9 29.8 44.6
54 49.0 45.8 68.8

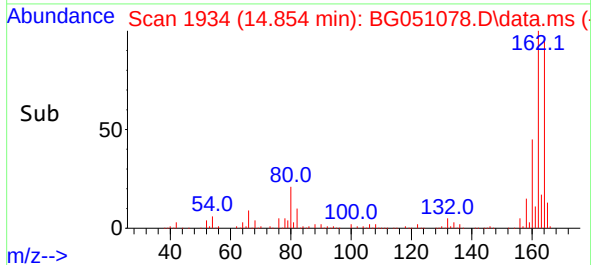
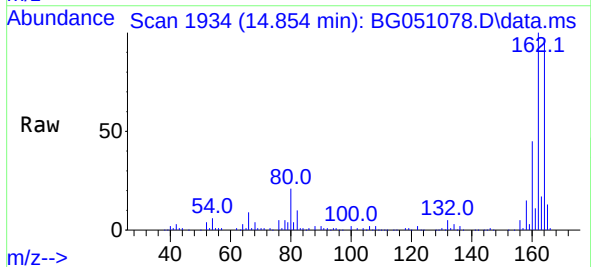
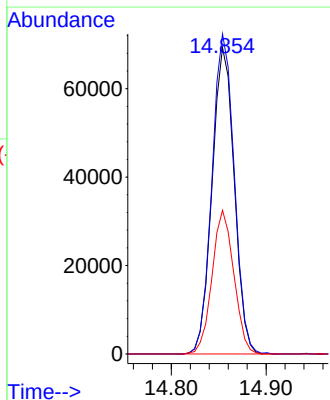
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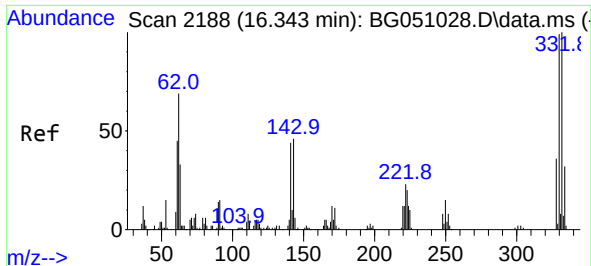
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.854 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

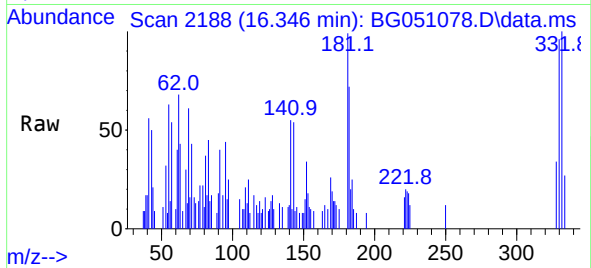
Tgt Ion:164 Resp: 112552
Ion Ratio Lower Upper
164 100
162 104.4 81.4 122.0
160 46.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 2.415 ng
RT: 16.346 min Scan# 2188
Delta R.T. 0.003 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

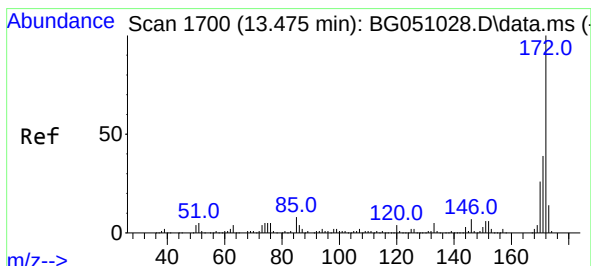
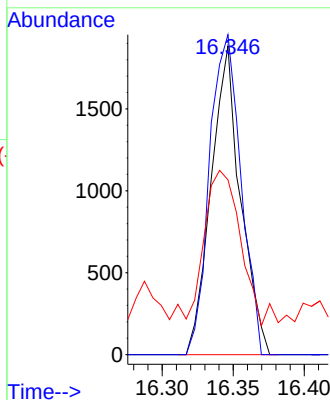
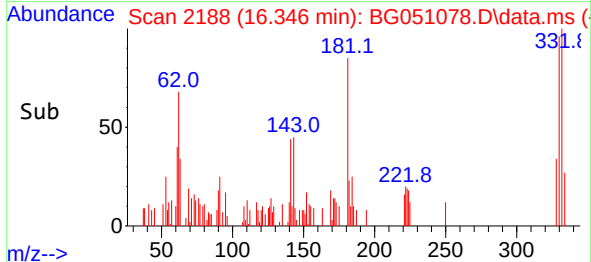
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ClientSampleId :
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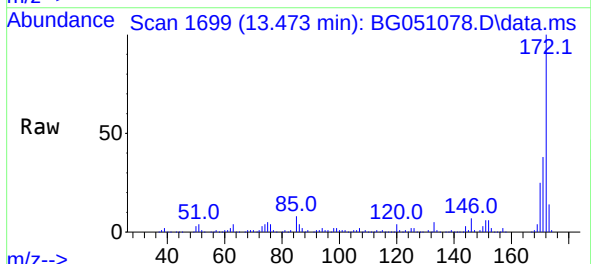
Tgt Ion:330 Resp: 2720
Ion Ratio Lower Upper
330 100
332 110.0 77.3 115.9
141 85.1 35.6 53.4

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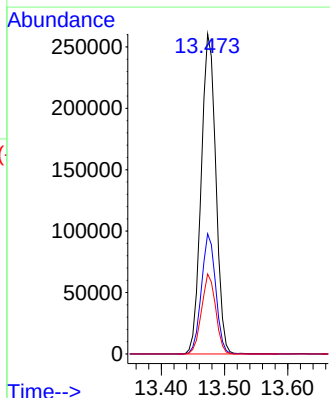
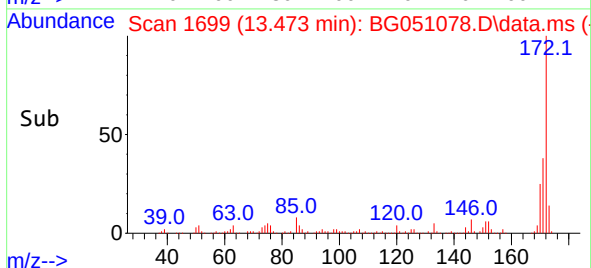
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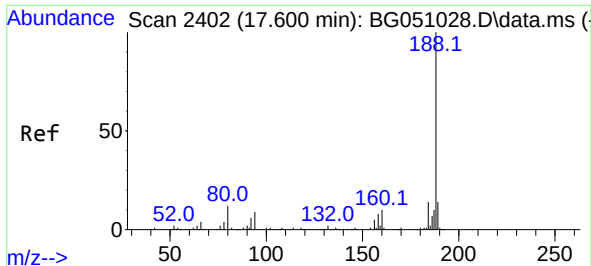


#45
2-Fluorobiphenyl
Concen: 58.870 ng
RT: 13.473 min Scan# 1699
Delta R.T. -0.002 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40



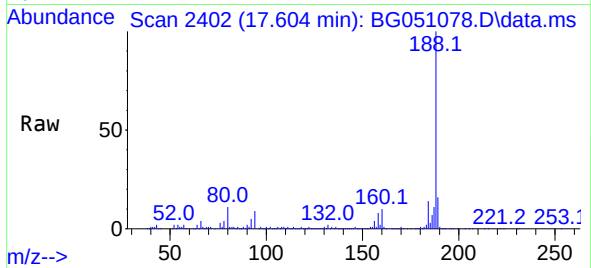
Tgt Ion:172 Resp: 419353
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 25.0 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.604 min Scan# 2402
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

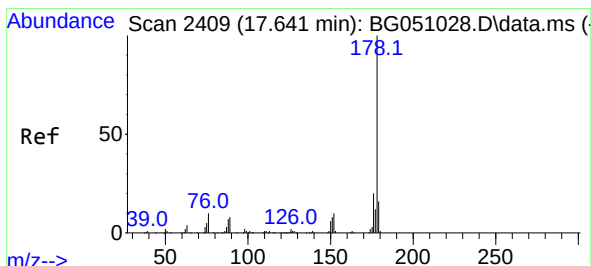
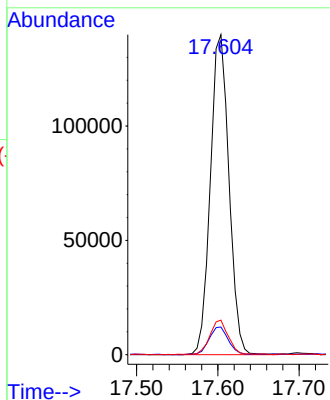
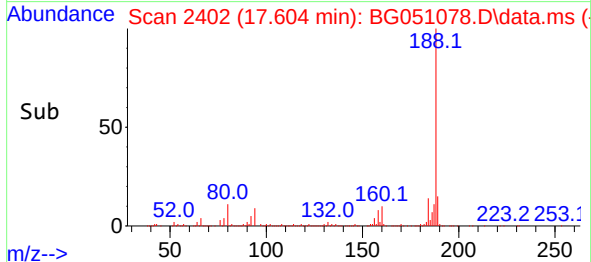
Instrument :
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ClientSampleId :
VWE-B35-111221-0-10RE



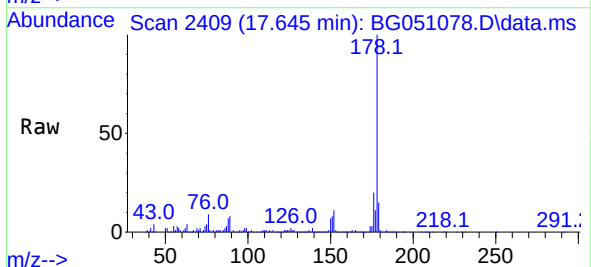
Tgt Ion:188 Resp: 222638
Ion Ratio Lower Upper
188 100
94 8.6 5.4 8.0
80 10.8 3.7 5.5

Manual Integrations
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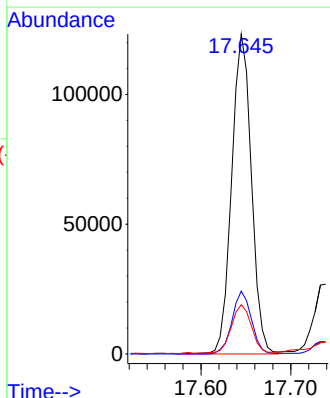
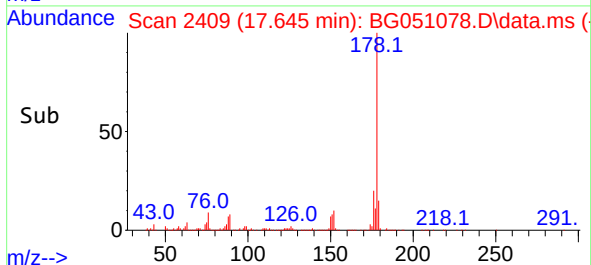
Reviewed By :Jagrut Upadhyay 11/17/2021
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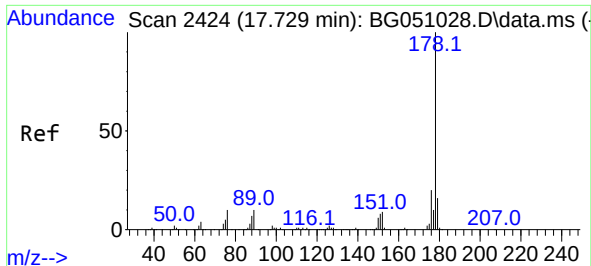


#71
Phenanthrene
Concen: 15.809 ng
RT: 17.645 min Scan# 2409
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40



Tgt Ion:178 Resp: 187742
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 14.2 21.4





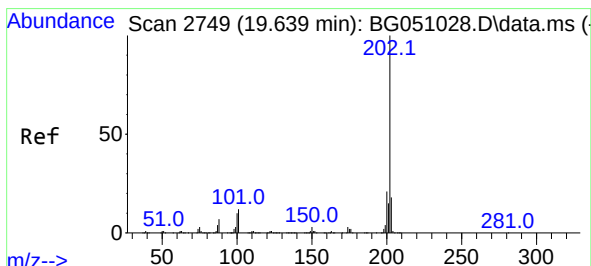
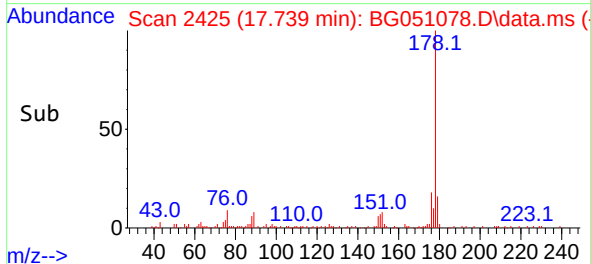
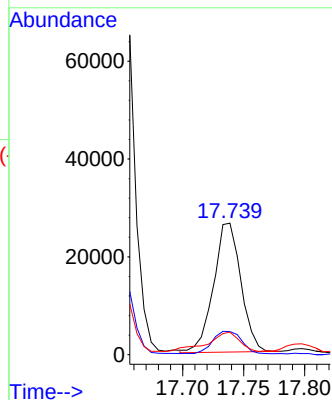
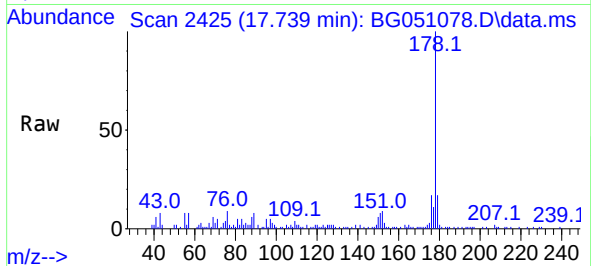
#72
 Anthracene
 Concen: 3.494 ng
 RT: 17.739 min Scan# 2424
 Delta R.T. 0.010 min
 Lab File: BG051078.D
 Acq: 16 Nov 2021 22:40

Instrument :
 BNA_G
 ClientSampleId :
 VWE-B35-111221-0-10RE

Tgt Ion:178 Resp: 41260
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.6 21.8
 179 17.1 13.4 20.0

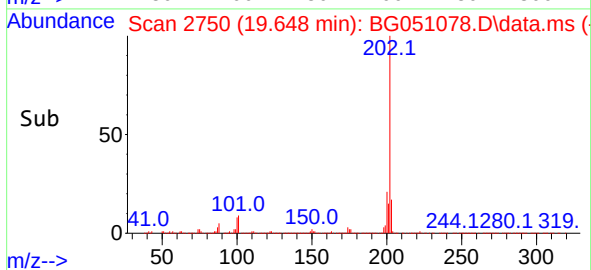
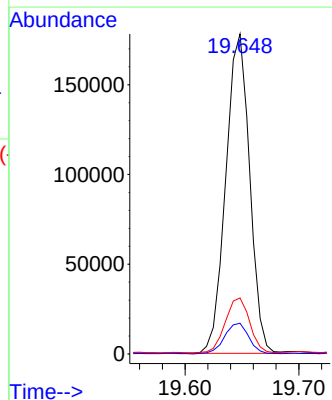
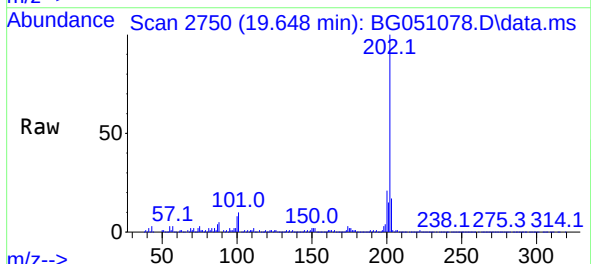
Manual Integrations
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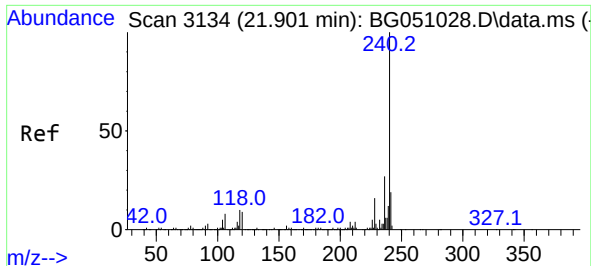
Reviewed By :Jagrut Upadhyay 11/17/2021
 Supervised By :mohammad ahmed 11/17/2021



#75
 Fluoranthene
 Concen: 17.803 ng
 RT: 19.648 min Scan# 2750
 Delta R.T. 0.009 min
 Lab File: BG051078.D
 Acq: 16 Nov 2021 22:40

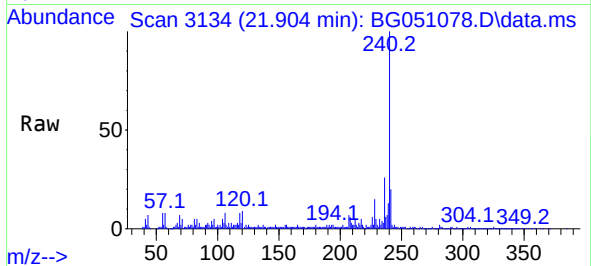
Tgt Ion:202 Resp: 259380
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 24.7
 203 17.5 0.0 38.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.904 min Scan# 3134
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

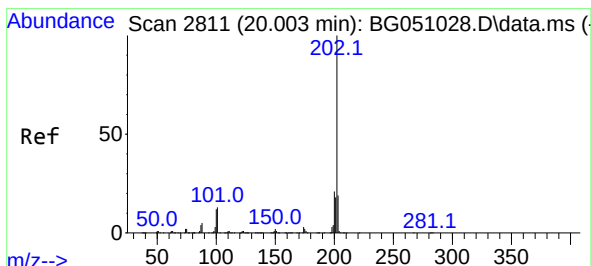
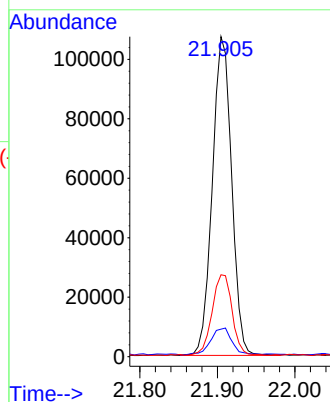
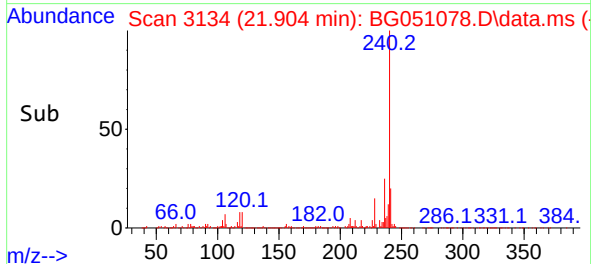
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE



Tgt Ion:240 Resp: 185315
Ion Ratio Lower Upper
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120 8.6 4.2 6.2
236 25.6 21.8 32.6

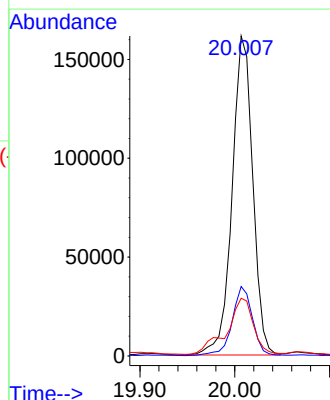
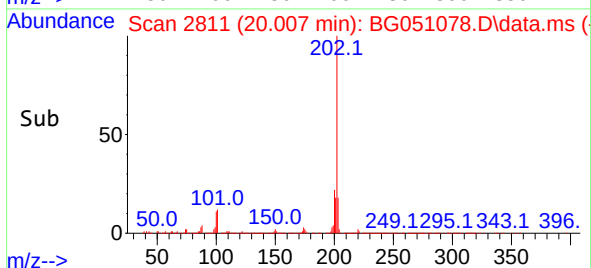
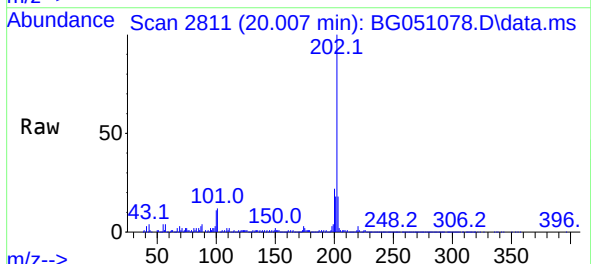
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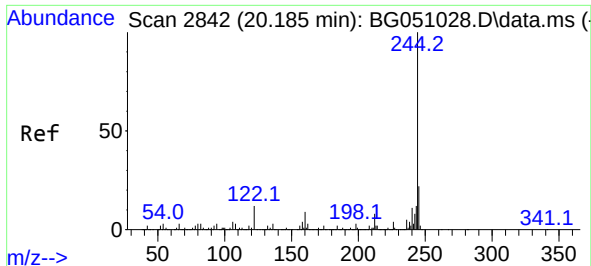
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#78
Pyrene
Concen: 17.565 ng
RT: 20.007 min Scan# 2811
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

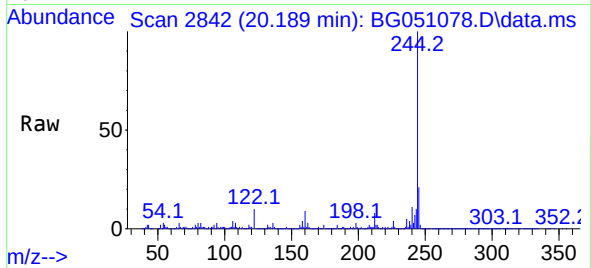
Tgt Ion:202 Resp: 244188
Ion Ratio Lower Upper
202 100
200 21.7 15.8 23.8
203 18.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 53.073 ng
 RT: 20.189 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG051078.D
 Acq: 16 Nov 2021 22:40

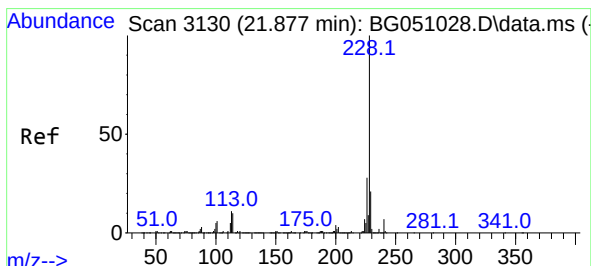
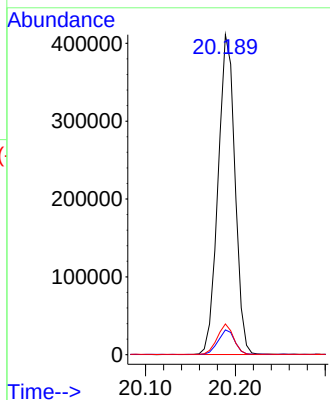
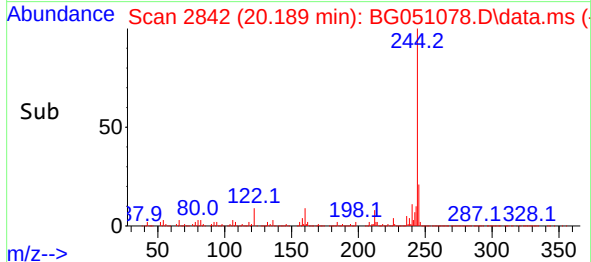
Instrument :
 BNA_G
 ClientSampleId :
 VWE-B35-111221-0-10RE



Tgt Ion:244 Resp: 537504
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.9 10.3
 122 9.6 5.0 7.6

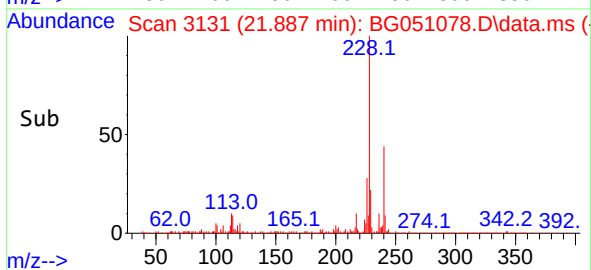
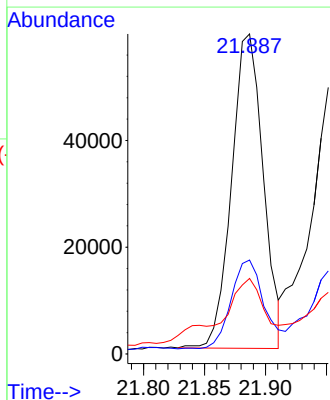
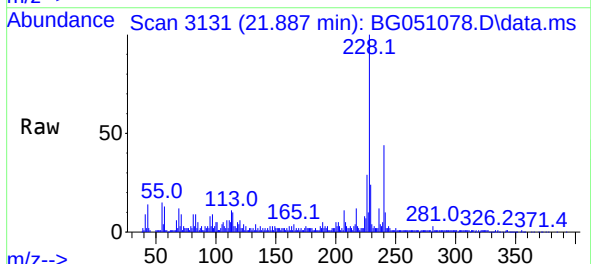
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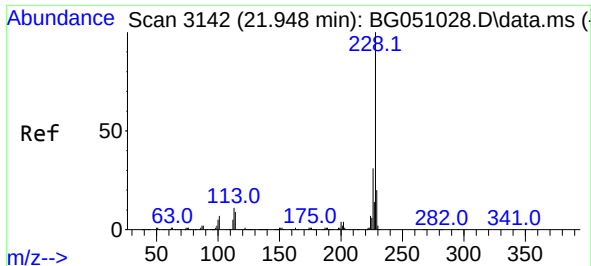
Reviewed By :Jagrut Upadhyay 11/17/2021
 Supervised By :mohammad ahmed 11/17/2021



#81
 Benzo(a)anthracene
 Concen: 8.351 ng
 RT: 21.887 min Scan# 3131
 Delta R.T. 0.010 min
 Lab File: BG051078.D
 Acq: 16 Nov 2021 22:40

Tgt Ion:228 Resp: 106261
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.7 34.1
 229 23.6 16.0 24.0





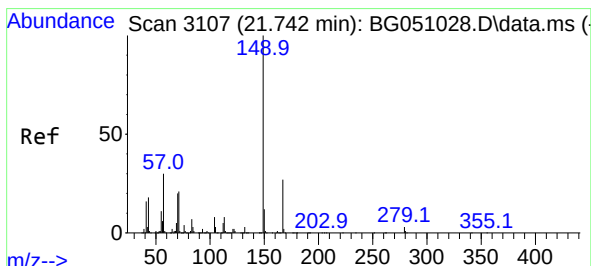
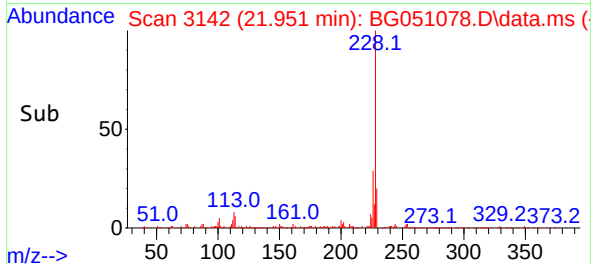
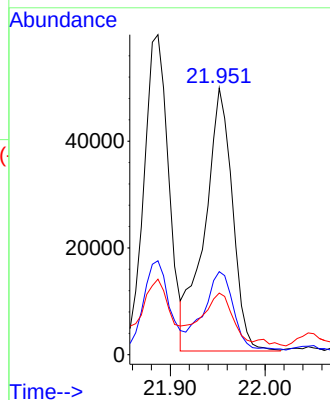
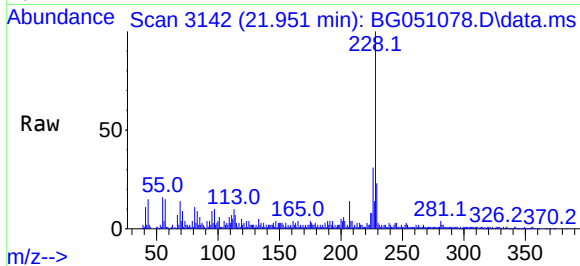
#83
Chrysene
Concen: 8.416 ng m
RT: 21.951 min Scan# 3142
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE

Tgt Ion:228 Resp: 101024
Ion Ratio Lower Upper
228 100
226 31.1 23.1 34.7
229 23.1 15.3 22.9

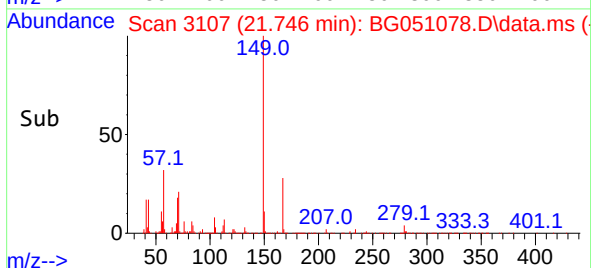
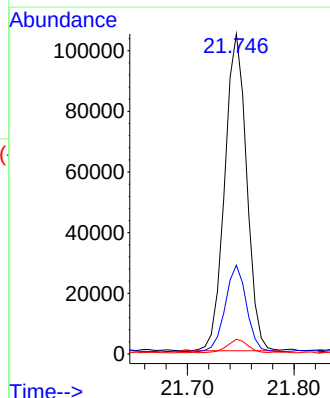
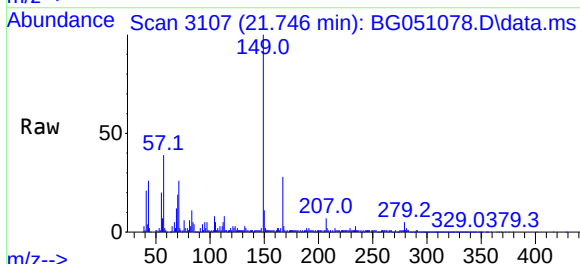
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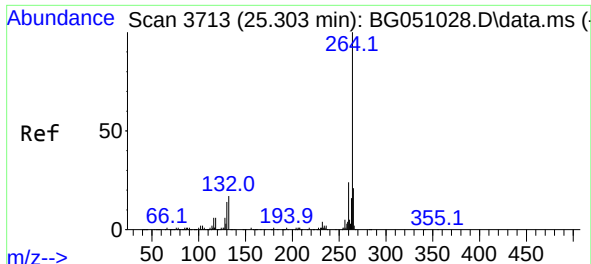
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#84
Bis(2-ethylhexyl)phthalate
Concen: 17.697 ng
RT: 21.746 min Scan# 3107
Delta R.T. 0.004 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

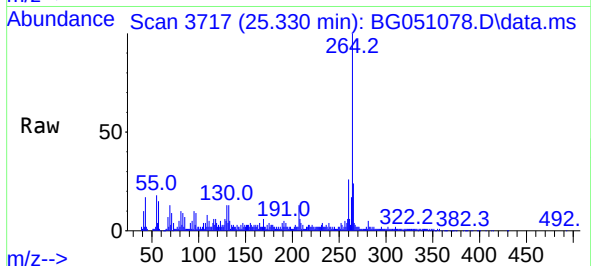
Tgt Ion:149 Resp: 148910
Ion Ratio Lower Upper
149 100
167 27.8 22.3 33.5
279 4.6 3.8 5.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.330 min Scan# 31
Delta R.T. 0.027 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

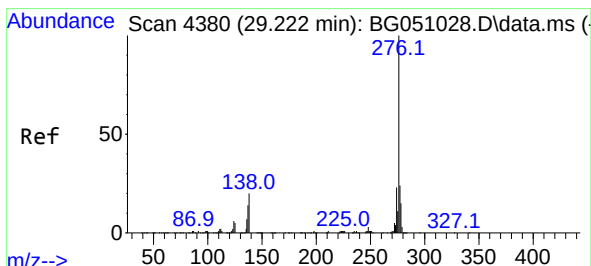
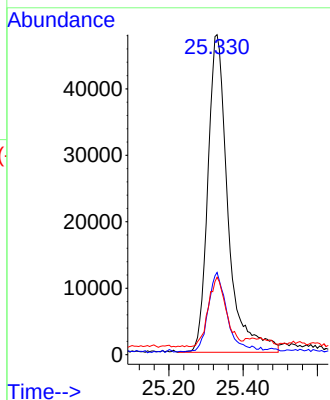
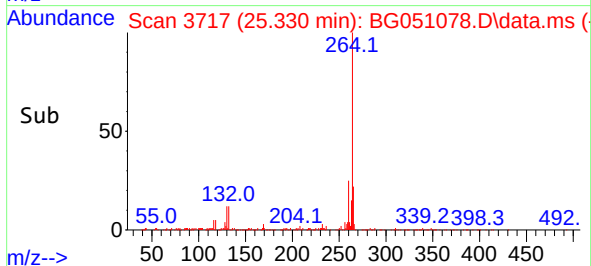
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE



Tgt Ion:264 Resp: 18038
Ion Ratio Lower Upper
264 100
260 25.7 19.4 29.2
265 24.2 16.9 25.3

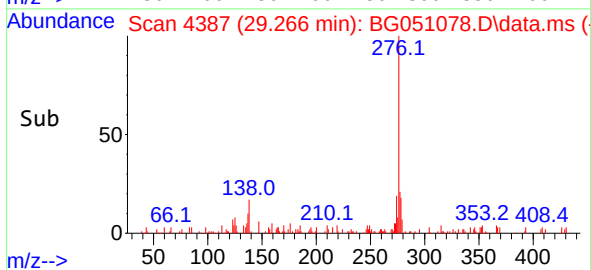
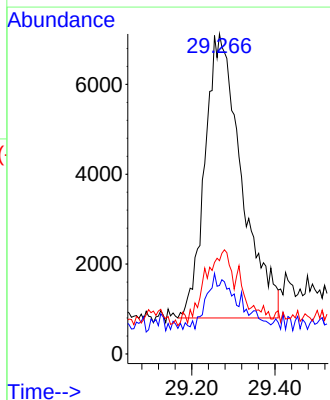
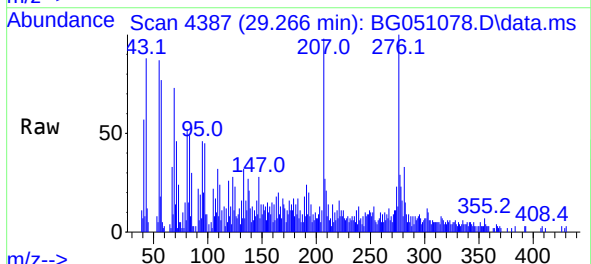
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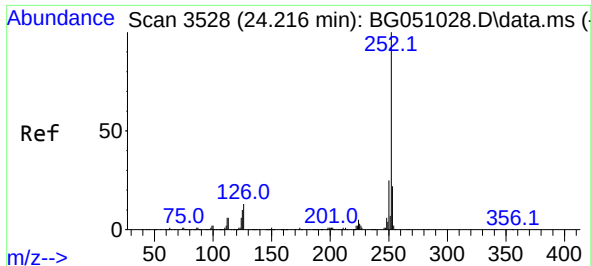
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.015 ng
RT: 29.266 min Scan# 4387
Delta R.T. 0.045 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

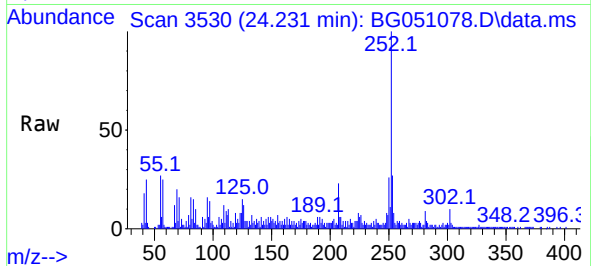
Tgt Ion:276 Resp: 38600
Ion Ratio Lower Upper
276 100
138 0.0 5.1 7.7#
277 17.8 19.8 29.6#





#88
Benzo(b)fluoranthene
Concen: 10.297 ng
RT: 24.231 min Scan# 3530
Delta R.T. 0.016 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

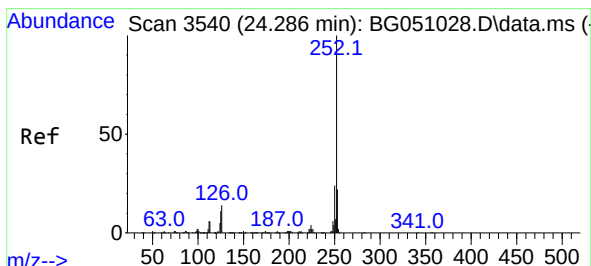
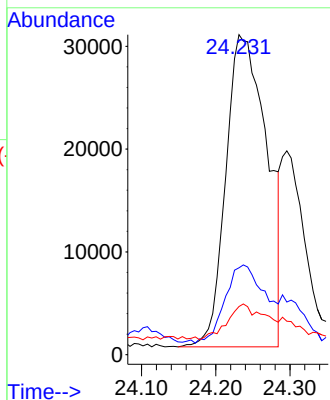
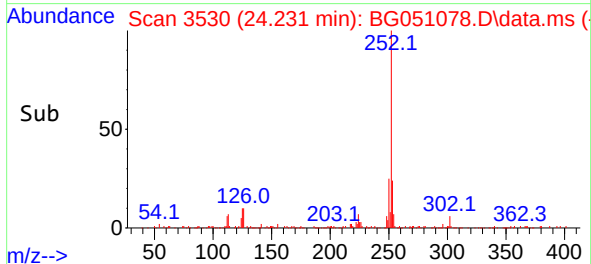
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE



Tgt Ion:252 Resp: 11692
Ion Ratio Lower Upper
252 100
253 27.2 16.2 24.4
125 15.1 3.0 4.4

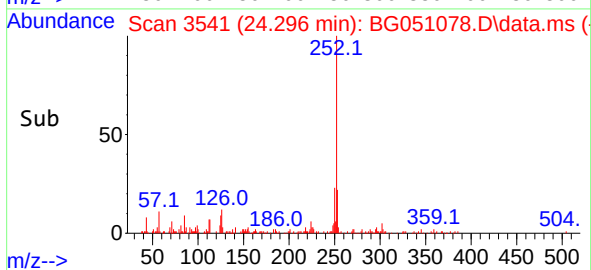
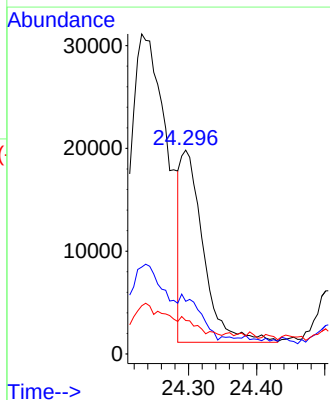
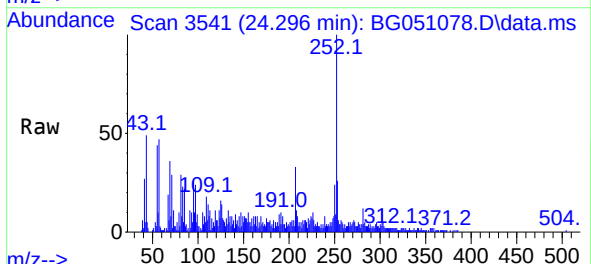
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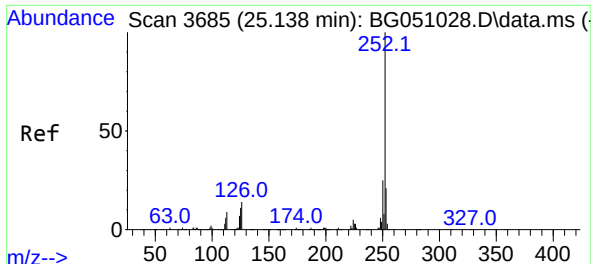
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#89
Benzo(k)fluoranthene
Concen: 3.843 ng m
RT: 24.296 min Scan# 3541
Delta R.T. 0.010 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

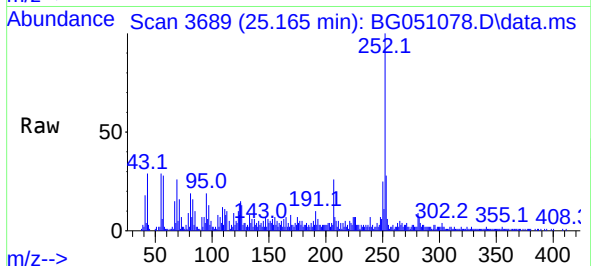
Tgt Ion:252 Resp: 43520
Ion Ratio Lower Upper
252 100
253 25.8 18.0 27.0
125 16.4 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 8.781 ng
RT: 25.165 min Scan# 3689
Delta R.T. 0.027 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40

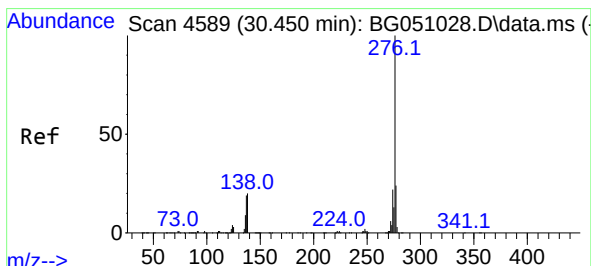
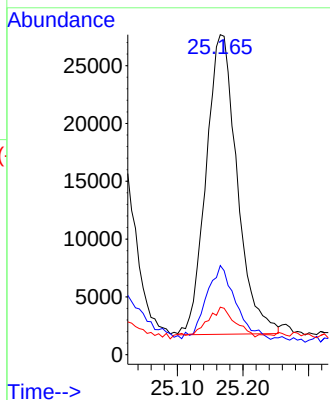
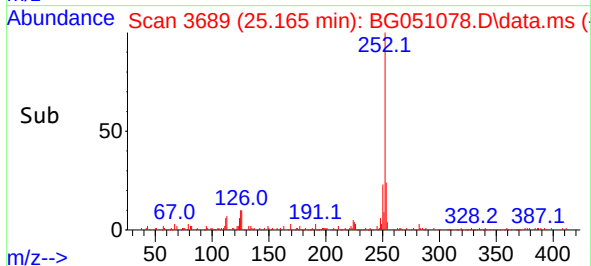
Instrument :
BNA_G
ClientSampleId :
VWE-B35-111221-0-10RE



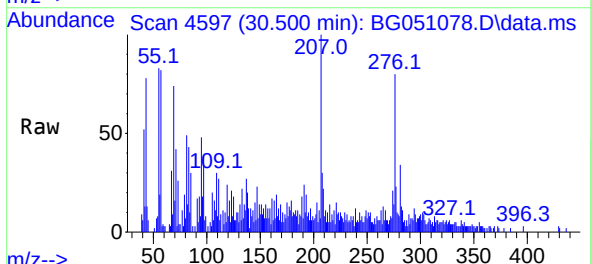
Tgt Ion:252 Resp: 8511
Ion Ratio Lower Upper
252 100
253 27.9 16.6 25.0#
125 14.9 3.5 5.3#

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Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#92
Benzo(g,h,i)perylene
Concen: 3.209 ng m
RT: 30.500 min Scan# 4597
Delta R.T. 0.051 min
Lab File: BG051078.D
Acq: 16 Nov 2021 22:40



Tgt Ion:276 Resp: 33285
Ion Ratio Lower Upper
276 100
277 28.9 18.4 27.6#
138 24.6 7.0 10.6#

