

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051093.D
 Acq On : 17 Nov 2021 15:37
 Operator : CG/JU
 Sample : M4680-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/17/2021
 Supervised By :mohammad ahmed 11/24/2021

Quant Time: Nov 17 16:24:15 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	34761	20.000	ng	0.00
21) Naphthalene-d8	11.051	136	160346	20.000	ng	# 0.00
39) Acenaphthene-d10	14.853	164	107408	20.000	ng	0.00
64) Phenanthrene-d10	17.602	188	218510	20.000	ng	# 0.00
76) Chrysene-d12	21.903	240	175761	20.000	ng	# 0.00
86) Perylene-d12	25.317	264	179923	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.763	112	344176	148.113	ng	0.00
7) Phenol-d6	7.379	99	476903	145.404	ng	0.00
23) Nitrobenzene-d5	9.400	82	333974	92.200	ng	0.00
42) 2,4,6-Tribromophenol	16.345	330	150337	139.866	ng	0.00
45) 2-Fluorobiphenyl	13.472	172	617569	90.848	ng	0.00
79) Terphenyl-d14	20.188	244	778963	81.095	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.104	128	23378	2.715	ng	98
52) Acenaphthene	14.917	154	13230	2.283	ng	97
58) Fluorene	15.898	166	21408	2.782	ng	95
71) Phenanthrene	17.643	178	227695	19.536	ng	96
72) Anthracene	17.732	178	58006	5.004	ng	97
73) Carbazole	18.002	167	28983	2.525	ng	95
75) Fluoranthene	19.641	202	317869	22.229	ng	96
78) Pyrene	20.005	202	268386	20.355	ng	99
81) Benzo(a)anthracene	21.880	228	147240	12.200	ng	97
83) Chrysene	21.950	228	133101m	11.691	ng	
87) Indeno(1,2,3-cd)pyrene	29.236	276	75602	5.920	ng	# 85
88) Benzo(b)fluoranthene	24.224	252	166375	14.690	ng	# 93
89) Benzo(k)fluoranthene	24.283	252	56826m	5.031	ng	
90) Benzo(a)pyrene	25.152	252	118929	12.300	ng	# 91
91) Dibenzo(a,h)anthracene	29.294	278	22444	2.135	ng	# 79
92) Benzo(g,h,i)perylene	30.475	276	71833	6.942	ng	# 91

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

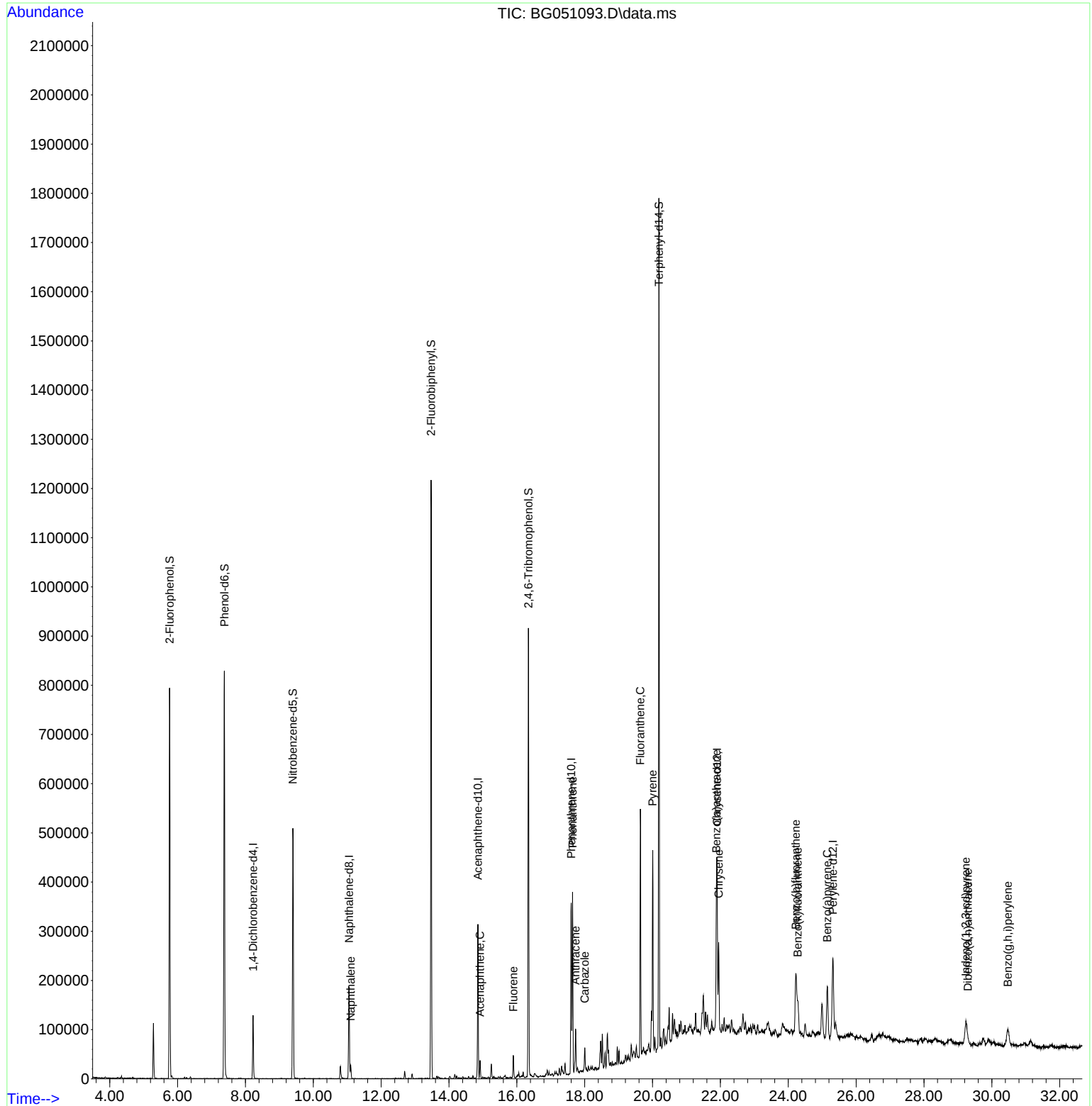
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051093.D
Acq On : 17 Nov 2021 15:37
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ALS Vial : 9 Sample Multiplier: 1

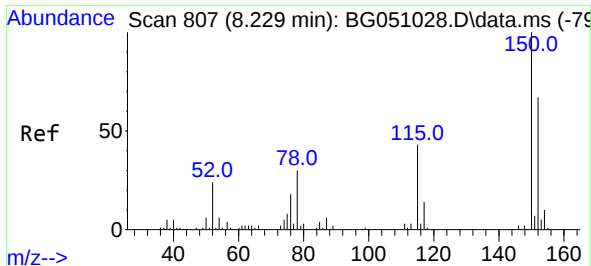
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Quant Time: Nov 17 16:24:15 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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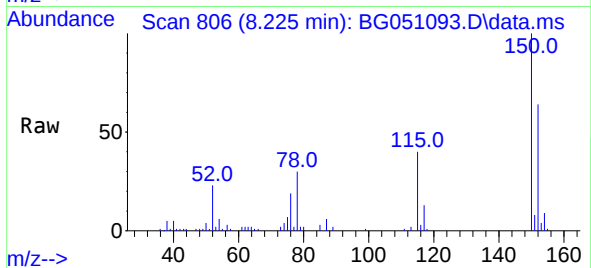
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.225 min Scan# 807
Delta R.T. -0.004 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Instrument :

BNA_G

ClientSampleId :

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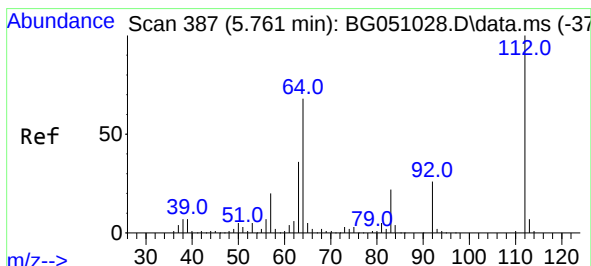
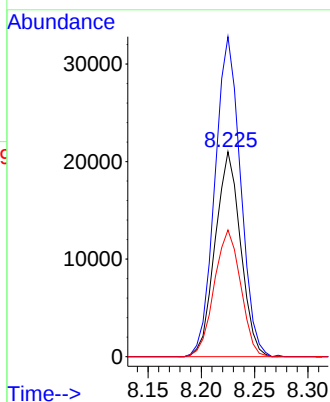
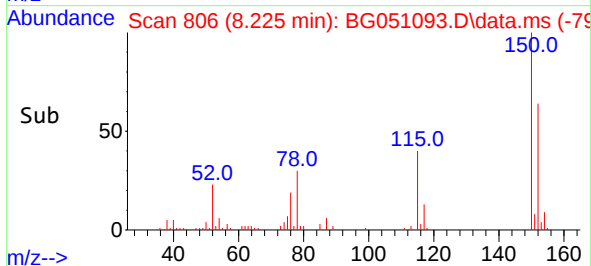


Tgt Ion:152 Resp: 3476
Ion Ratio Lower Upper
152 100
150 156.1 119.4 179.0
115 61.8 60.2 90.4

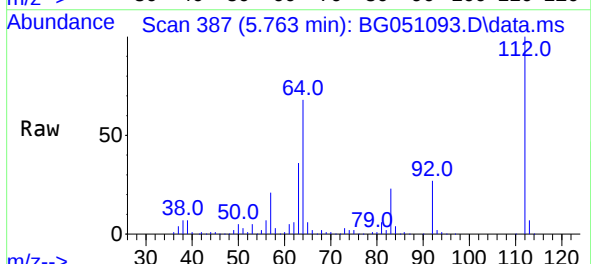
Manual Integrations

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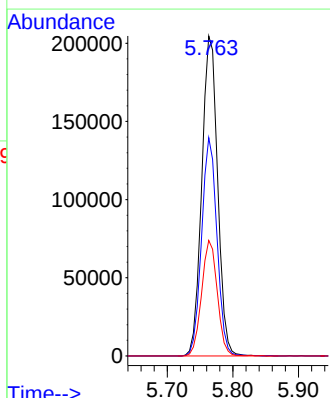
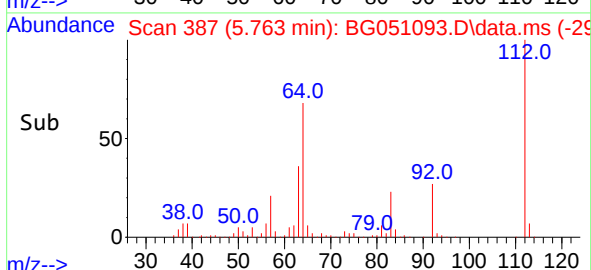
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

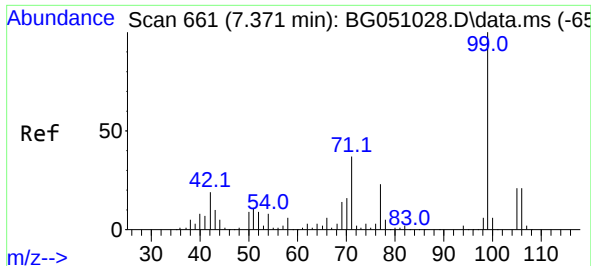


#5
2-Fluorophenol
Concen: 148.113 ng
RT: 5.763 min Scan# 387
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37



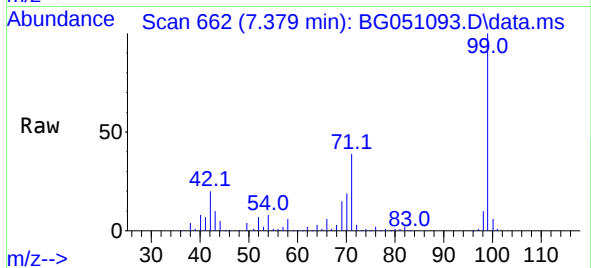
Tgt Ion:112 Resp: 344176
Ion Ratio Lower Upper
112 100
64 68.2 46.7 70.1
63 36.1 35.3 52.9





#7
Phenol-d6
Concen: 145.404 ng
RT: 7.379 min Scan# 662
Delta R.T. 0.008 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

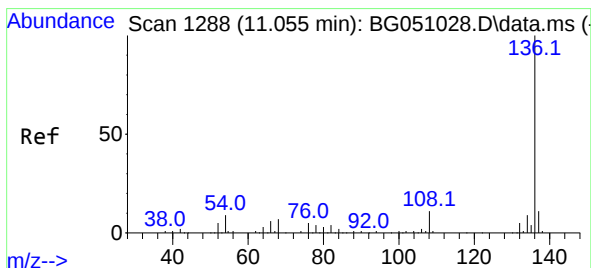
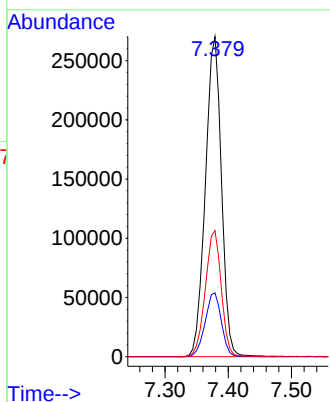
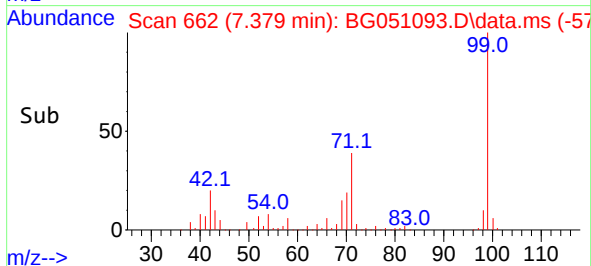
Instrument :
BNA_G
ClientSampleId :
COMP-3



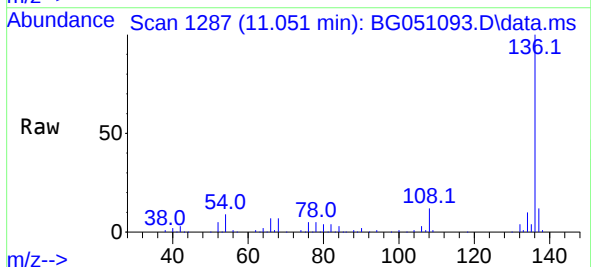
Tgt Ion: 99 Resp: 47690
Ion Ratio Lower Upper
99 100
42 19.9 20.5 30.7
71 39.4 41.5 62.3

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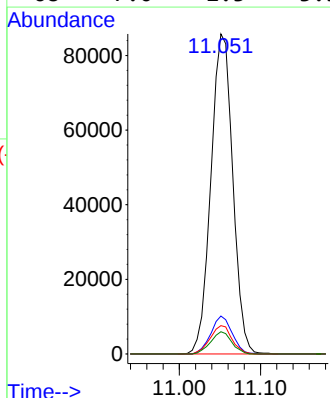
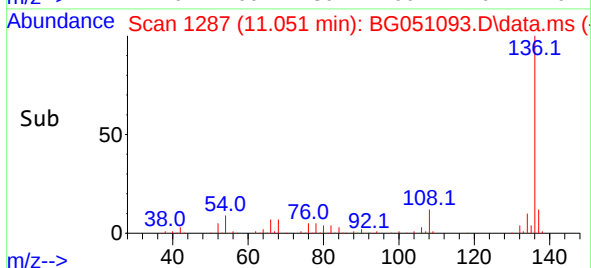
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

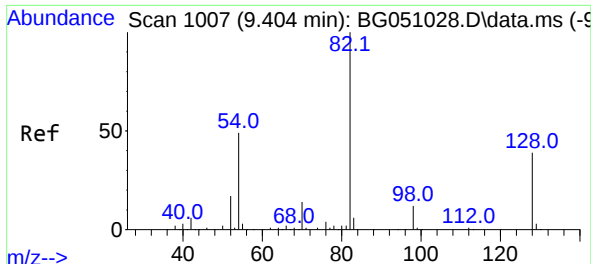


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.051 min Scan# 1287
Delta R.T. -0.003 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37



Tgt Ion:136 Resp: 160346
Ion Ratio Lower Upper
136 100
137 11.9 8.2 12.2
54 8.9 5.5 8.3#
68 7.0 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 92.200 ng
RT: 9.400 min Scan# 1007
Delta R.T. -0.004 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Instrument :

BNA_G

ClientSampleId :

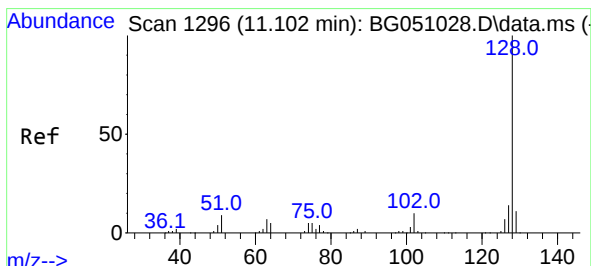
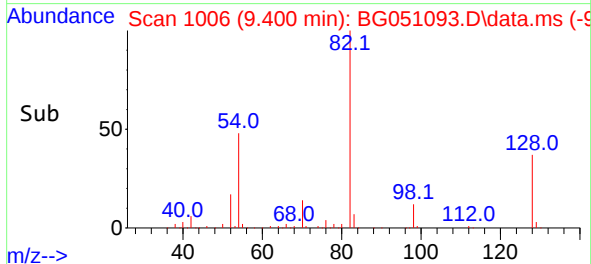
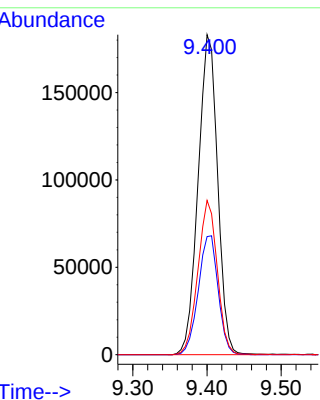
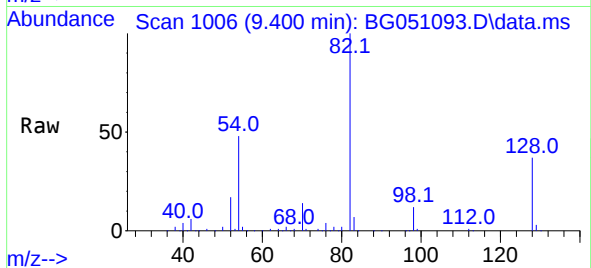
COMP-3

Tgt Ion: 82 Resp: 333974
Ion Ratio Lower Upper
82 100
128 36.9 29.8 44.6
54 48.2 45.8 68.8

Manual Integrations

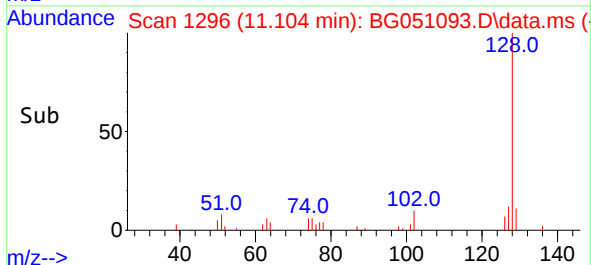
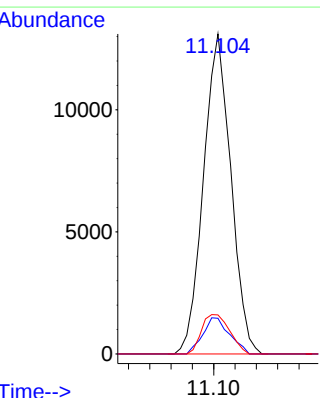
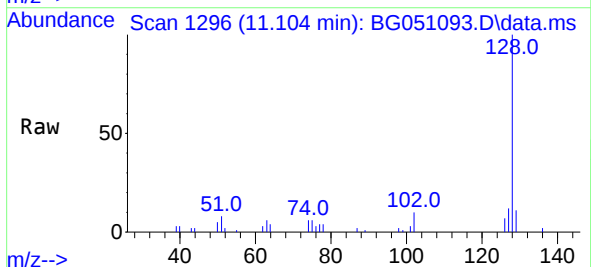
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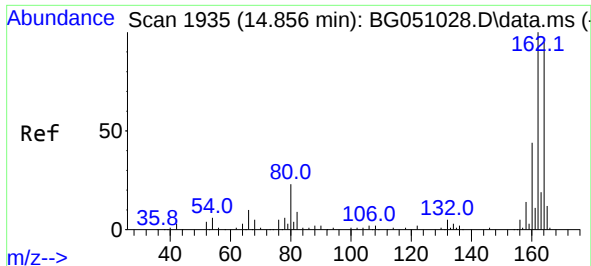
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021



#31
Naphthalene
Concen: 2.715 ng
RT: 11.104 min Scan# 1296
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Tgt Ion:128 Resp: 23378
Ion Ratio Lower Upper
128 100
129 11.2 8.5 12.7
127 12.2 10.2 15.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.853 min Scan# 1935

Delta R.T. -0.003 min

Lab File: BG051093.D

Acq: 17 Nov 2021 15:37

Instrument :

BNA_G

ClientSampleId :

COMP-3

Tgt Ion:164 Resp: 107408

Ion Ratio Lower Upper

164 100

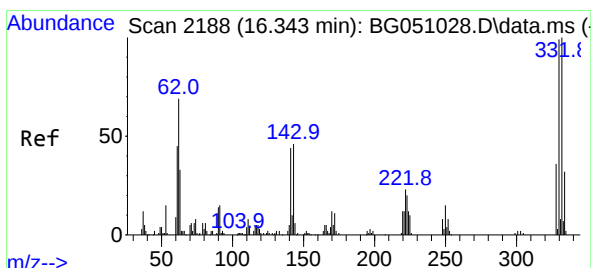
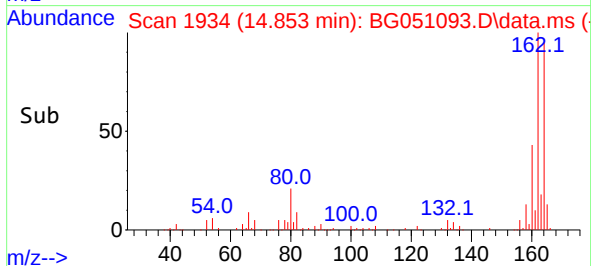
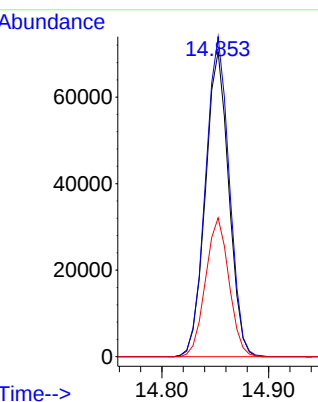
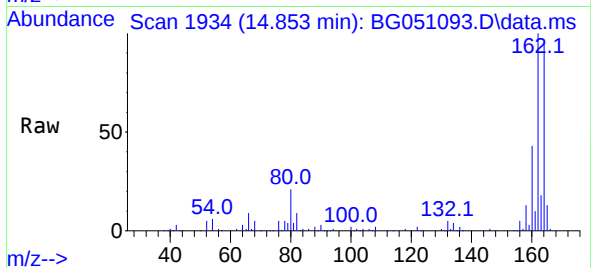
162 104.9 81.4 122.0

160 45.6 34.9 52.3

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 139.866 ng

RT: 16.345 min Scan# 2188

Delta R.T. 0.002 min

Lab File: BG051093.D

Acq: 17 Nov 2021 15:37

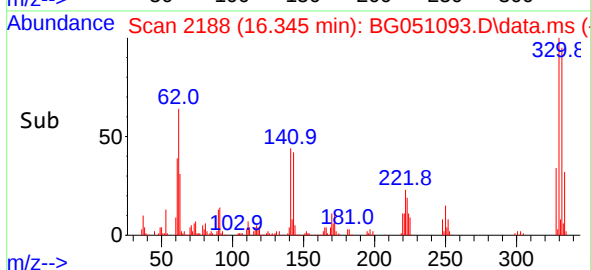
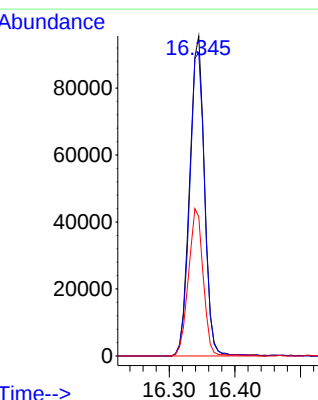
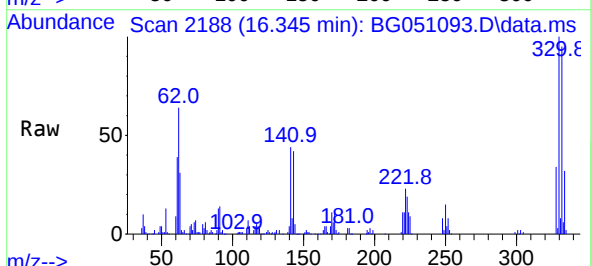
Tgt Ion:330 Resp: 150337

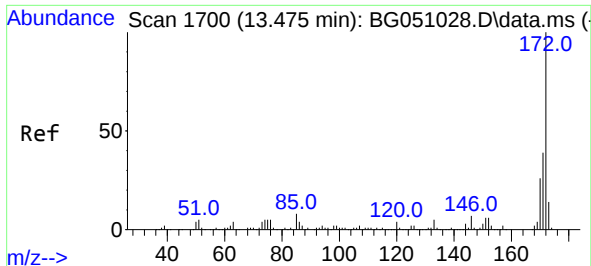
Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

141 45.6 35.6 53.4





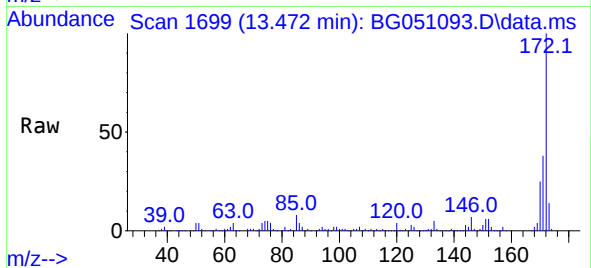
#45
2-Fluorobiphenyl
Concen: 90.848 ng
RT: 13.472 min Scan# 1699
Delta R.T. -0.003 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Instrument :

BNA_G

ClientSampleId :

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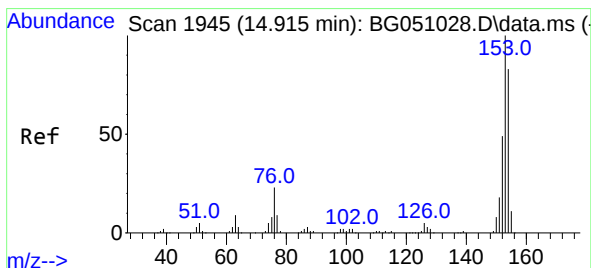
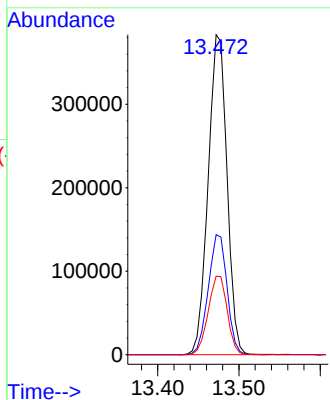
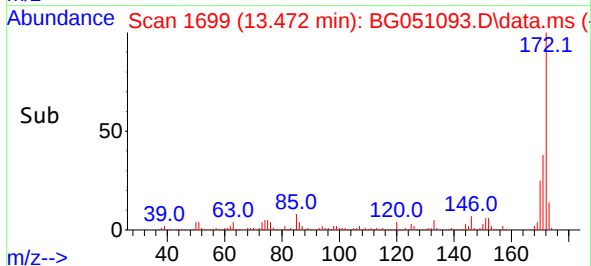


Tgt Ion:172 Resp: 617569
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 24.6 18.6 27.8

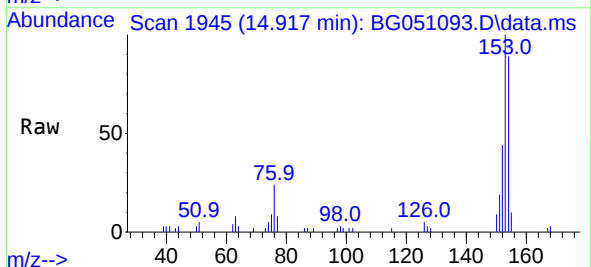
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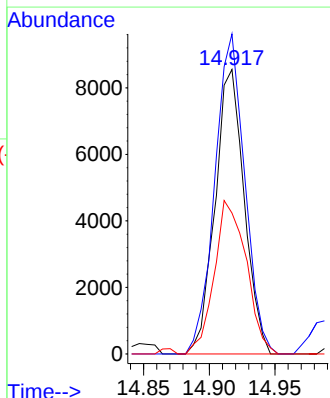
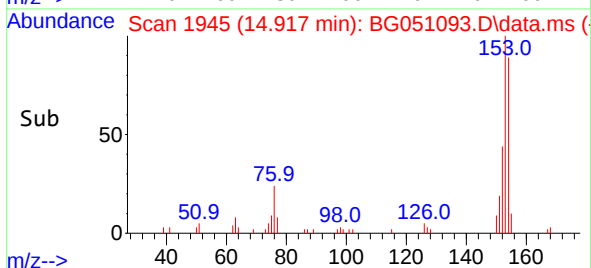
Reviewed By :Jagrut Upadhyay 11/17/2021
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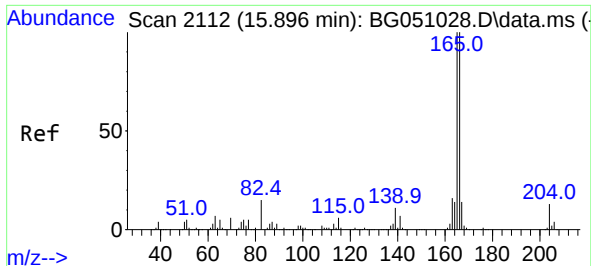


#52
Acenaphthene
Concen: 2.283 ng
RT: 14.917 min Scan# 1945
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37



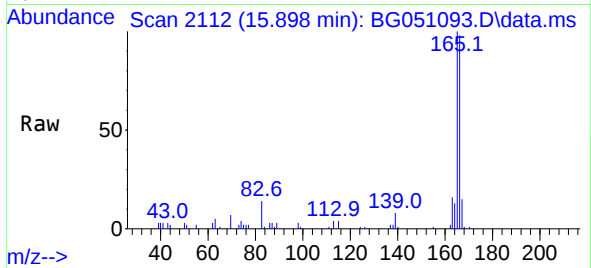
Tgt Ion:154 Resp: 13230
Ion Ratio Lower Upper
154 100
153 112.5 87.0 130.4
152 49.6 40.1 60.1





#58
Fluorene
Concen: 2.782 ng
RT: 15.898 min Scan# 2112
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

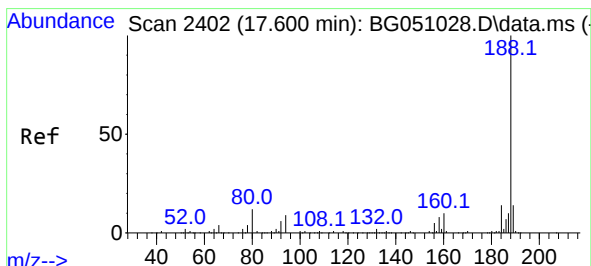
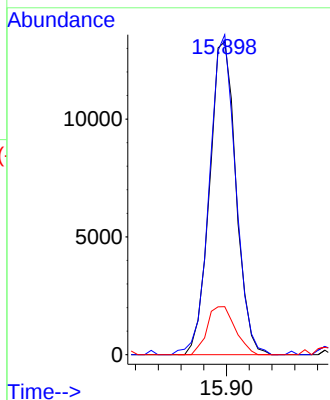
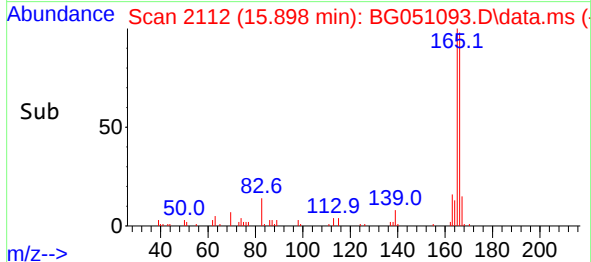
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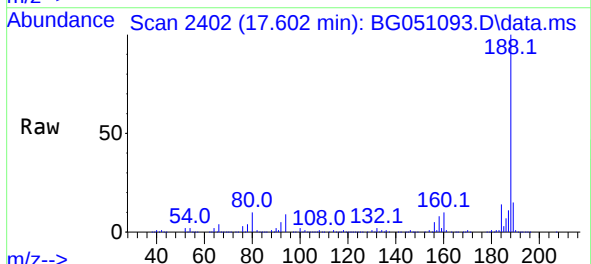
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Ion Ratio Lower Upper
166 100
165 102.2 77.7 116.5
167 15.3 10.8 16.2

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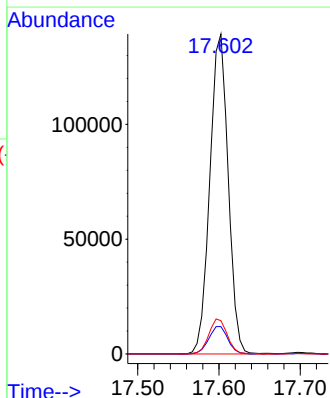
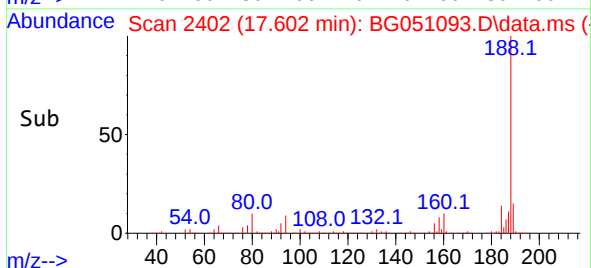
Reviewed By :Jagrut Upadhyay 11/17/2021
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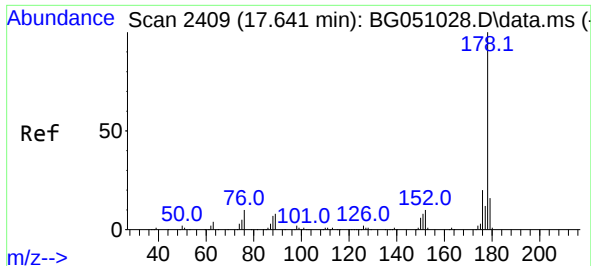


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.602 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37



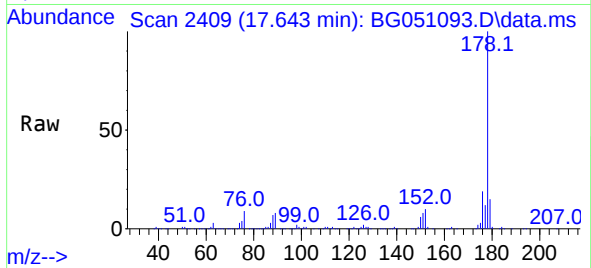
Tgt Ion:188 Resp: 218510
Ion Ratio Lower Upper
188 100
94 8.6 5.4 8.0#
80 10.4 3.7 5.5#





#71
Phenanthrene
Concen: 19.536 ng
RT: 17.643 min Scan# 2409
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

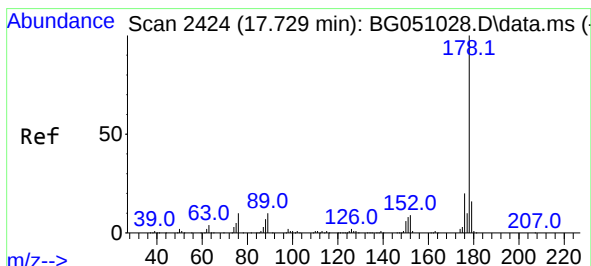
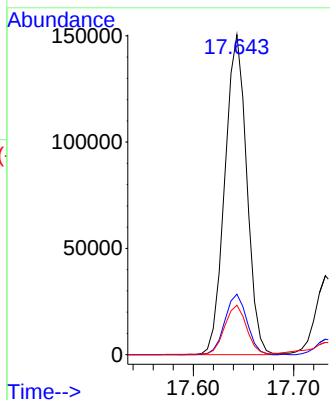
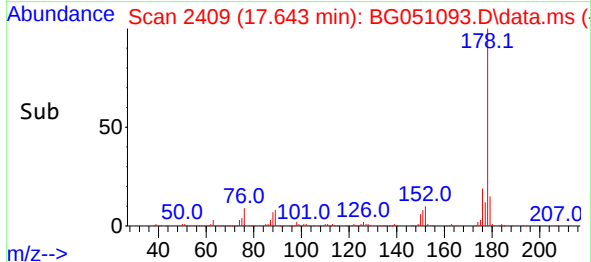
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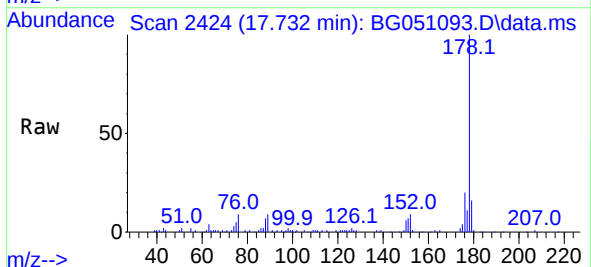
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Ion Ratio Lower Upper
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176 18.9 16.0 24.0
179 15.4 14.2 21.4

Manual Integrations
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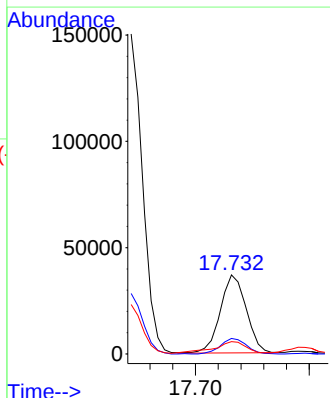
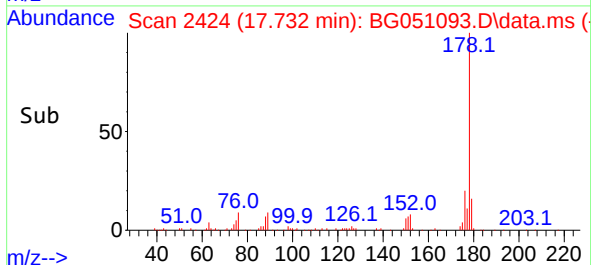
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

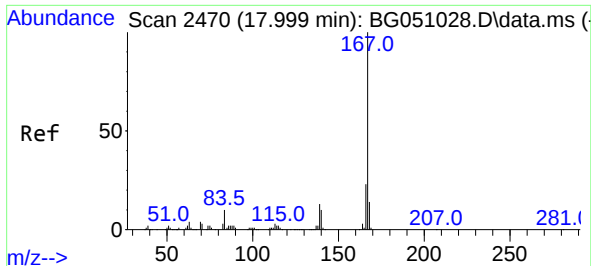


#72
Anthracene
Concen: 5.004 ng
RT: 17.732 min Scan# 2424
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37



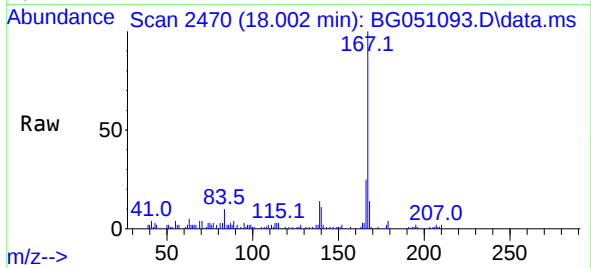
Tgt Ion:178 Resp: 58006
Ion Ratio Lower Upper
178 100
176 19.6 14.6 21.8
179 15.6 13.4 20.0





#73
 Carbazole
 Concen: 2.525 ng
 RT: 18.002 min Scan# 2470
 Delta R.T. 0.002 min
 Lab File: BG051093.D
 Acq: 17 Nov 2021 15:37

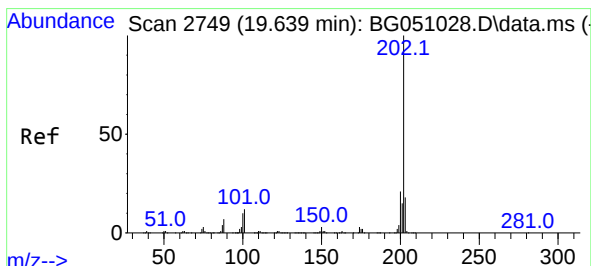
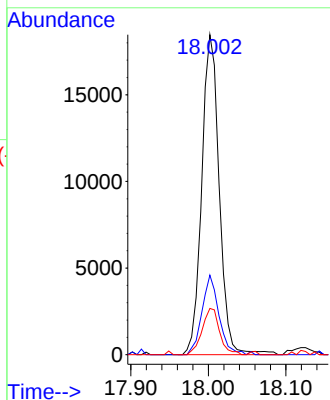
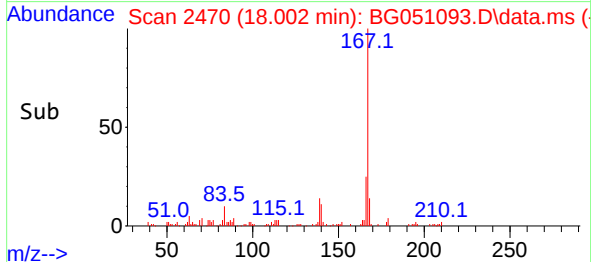
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3



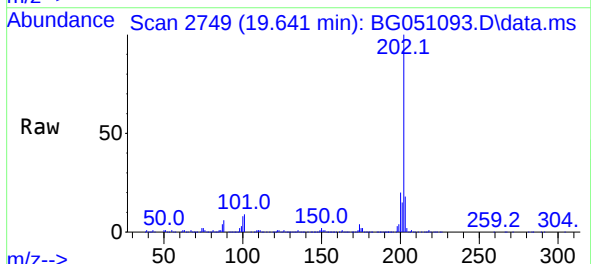
Tgt Ion:167 Resp: 2898
 Ion Ratio Lower Upper
 167 100
 166 24.9 17.4 26.2
 139 14.4 10.7 16.1

Manual Integrations
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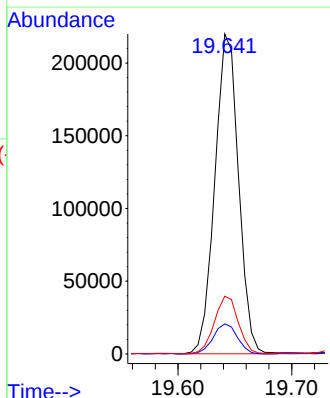
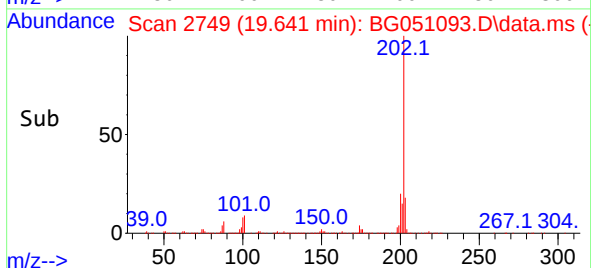
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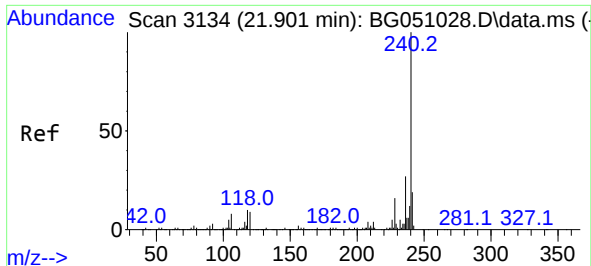


#75
 Fluoranthene
 Concen: 22.229 ng
 RT: 19.641 min Scan# 2749
 Delta R.T. 0.002 min
 Lab File: BG051093.D
 Acq: 17 Nov 2021 15:37



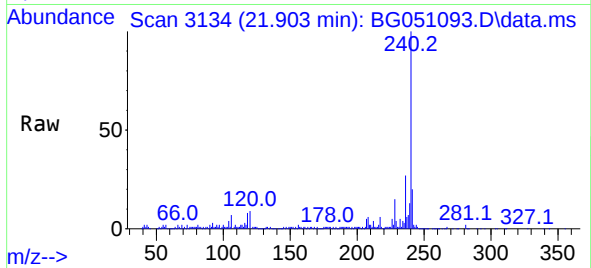
Tgt Ion:202 Resp: 317869
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 24.7
 203 18.1 0.0 38.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.903 min Scan# 3134
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

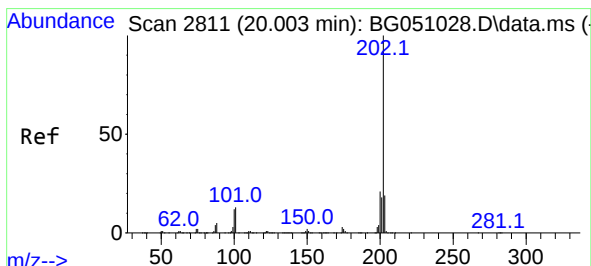
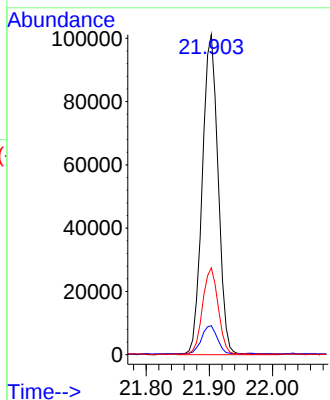
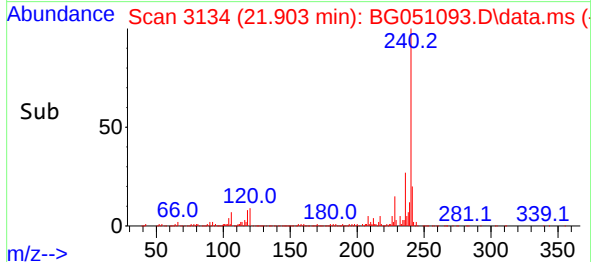
Instrument :
BNA_G
ClientSampleId :
COMP-3



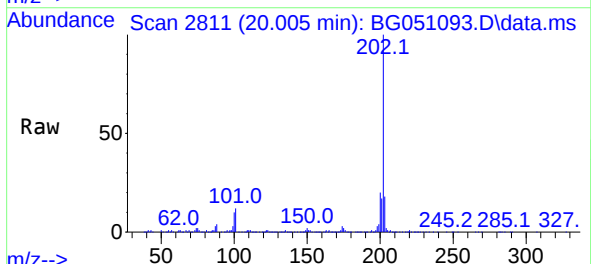
Tgt Ion:240 Resp: 17576
Ion Ratio Lower Upper
240 100
120 9.0 4.2 6.2
236 27.2 21.8 32.6

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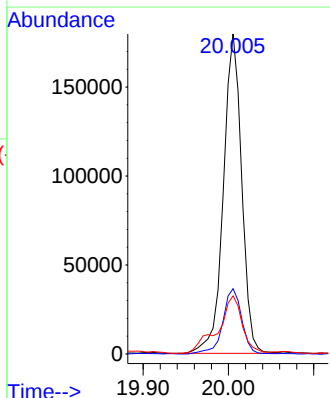
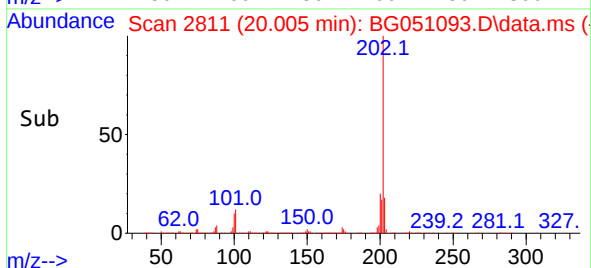
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

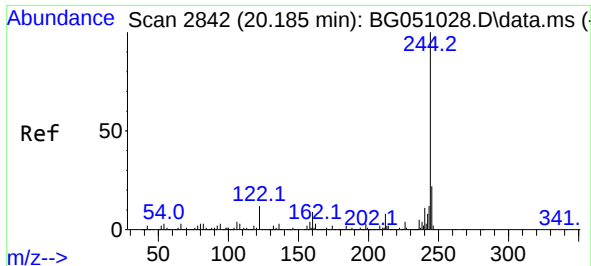


#78
Pyrene
Concen: 20.355 ng
RT: 20.005 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37



Tgt Ion:202 Resp: 268386
Ion Ratio Lower Upper
202 100
200 20.4 15.8 23.8
203 18.2 14.6 21.8





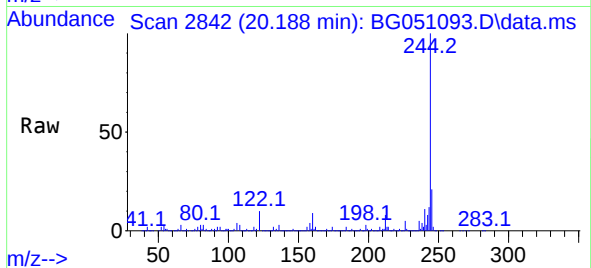
#79
 Terphenyl-d14
 Concen: 81.095 ng
 RT: 20.188 min Scan# 2018
 Delta R.T. 0.003 min
 Lab File: BG051093.D
 Acq: 17 Nov 2021 15:37

Instrument :

BNA_G

ClientSampleId :

COMP-3

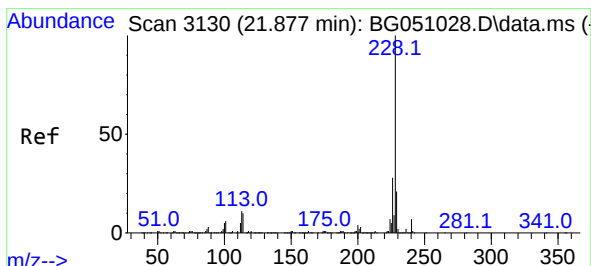
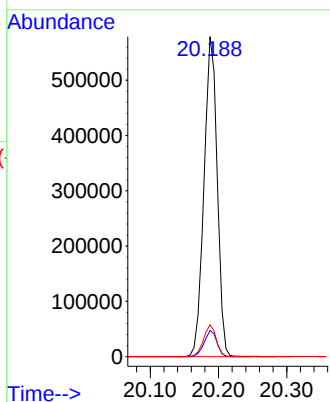
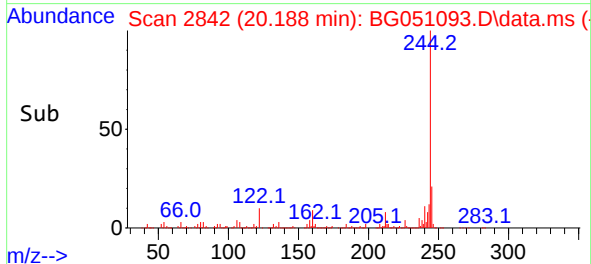


Tgt Ion:244 Resp: 77896
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.9 10.3
 122 10.0 5.0 7.6

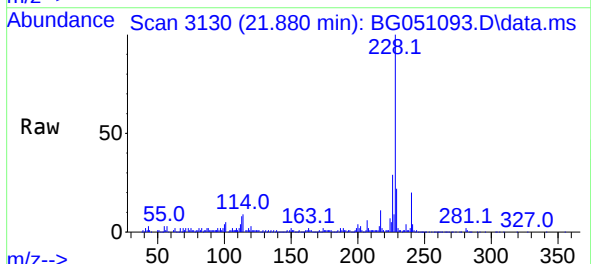
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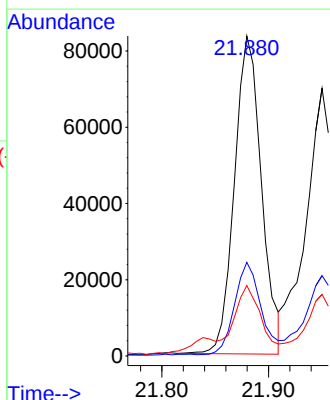
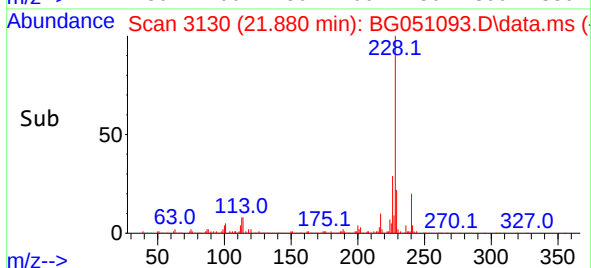
Reviewed By :Jagrut Upadhyay 11/17/2021
 Supervised By :mohammad ahmed 11/24/2021

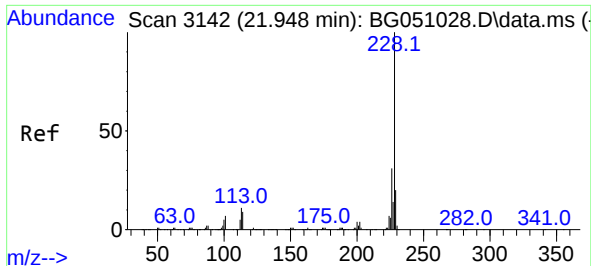


#81
 Benzo(a)anthracene
 Concen: 12.200 ng
 RT: 21.880 min Scan# 3130
 Delta R.T. 0.002 min
 Lab File: BG051093.D
 Acq: 17 Nov 2021 15:37



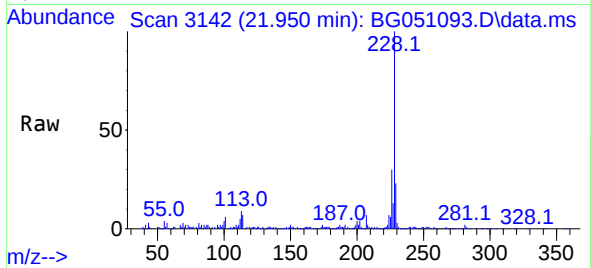
Tgt Ion:228 Resp: 147240
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.7 34.1
 229 22.0 16.0 24.0





#83
Chrysene
Concen: 11.691 ng m
RT: 21.950 min Scan# 3142
Delta R.T. 0.002 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

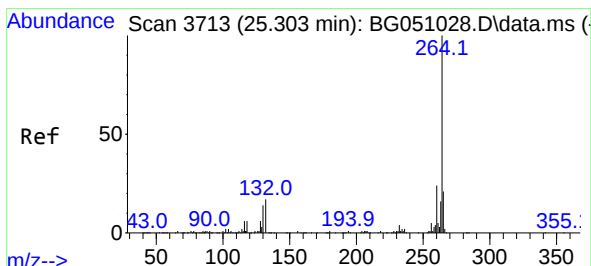
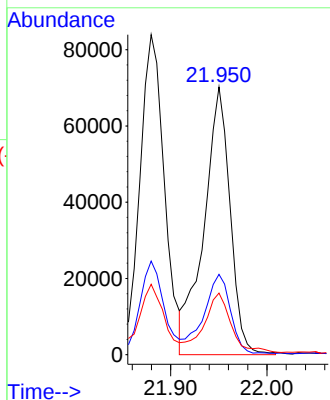
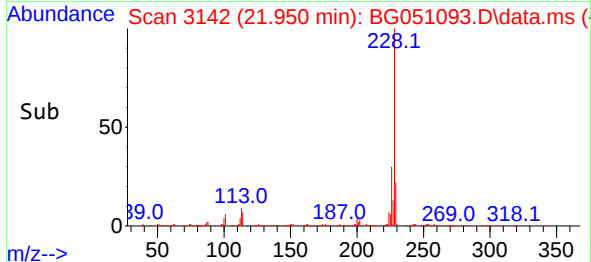
Instrument :
BNA_G
ClientSampleId :
COMP-3



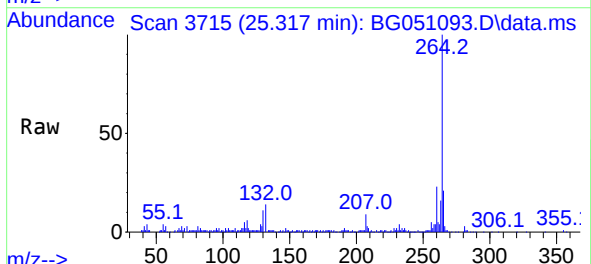
Tgt Ion:228 Resp: 13310
Ion Ratio Lower Upper
228 100
226 30.0 23.1 34.7
229 23.0 15.3 22.9

Manual Integrations
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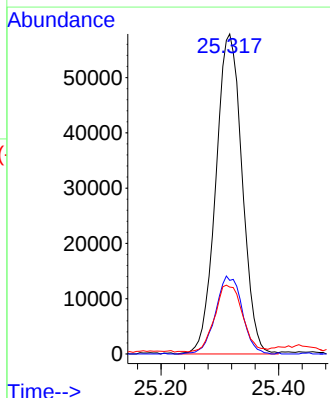
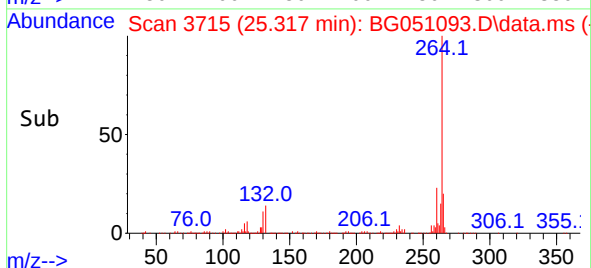
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

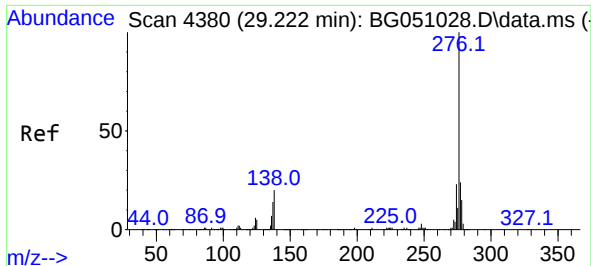


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.317 min Scan# 3715
Delta R.T. 0.014 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37



Tgt Ion:264 Resp: 179923
Ion Ratio Lower Upper
264 100
260 23.0 19.4 29.2
265 20.9 16.9 25.3





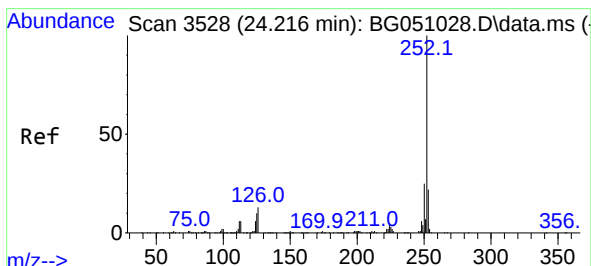
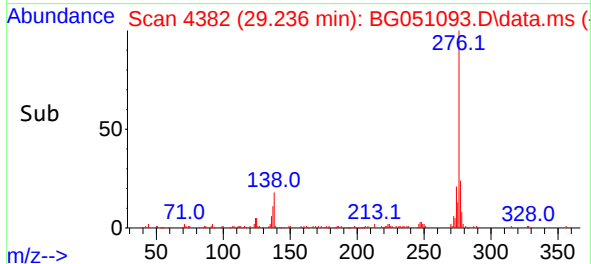
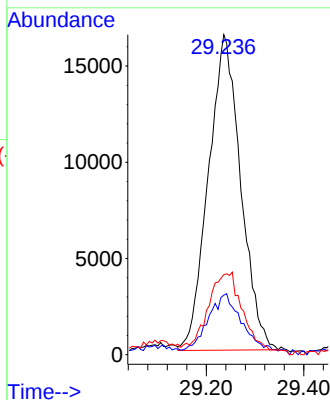
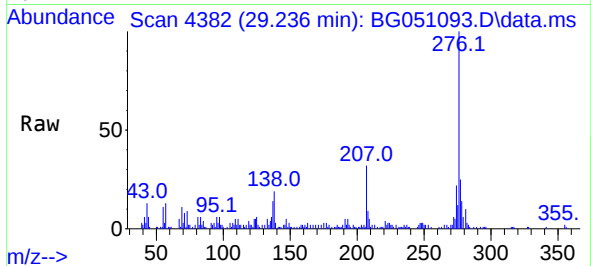
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.920 ng
RT: 29.236 min Scan# 41
Delta R.T. 0.014 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

Instrument :
BNA_G
ClientSampleId :
COMP-3

Tgt Ion:276 Resp: 75602
Ion Ratio Lower Upper
276 100
138 18.3 5.1 7.7
277 29.3 19.8 29.6

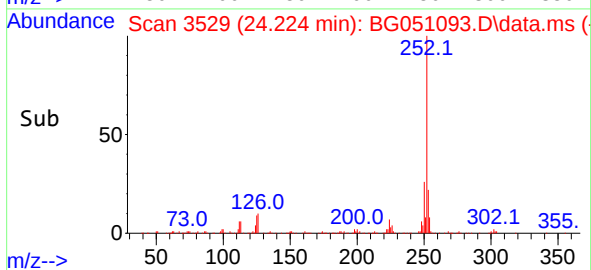
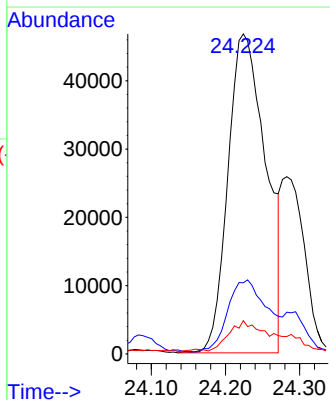
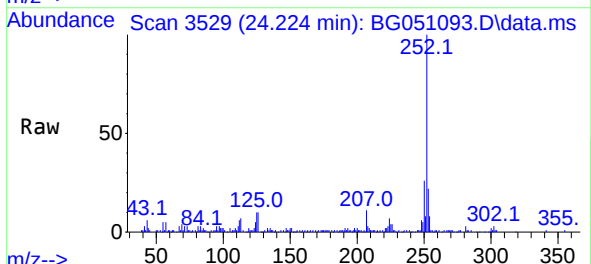
Manual Integrations
APPROVED

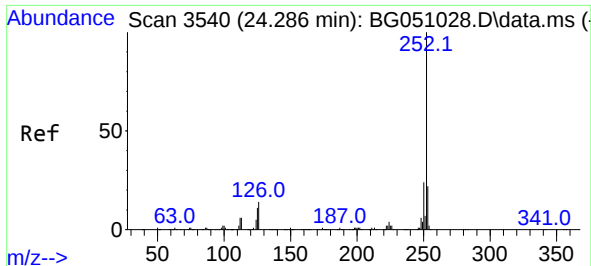
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021



#88
Benzo(b)fluoranthene
Concen: 14.690 ng
RT: 24.224 min Scan# 3529
Delta R.T. 0.008 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

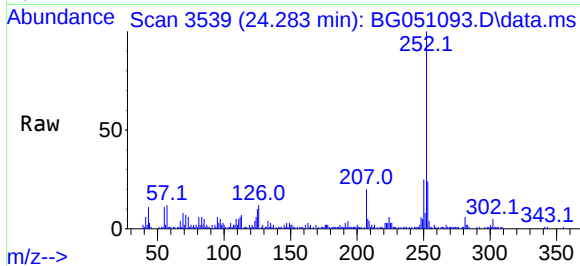
Tgt Ion:252 Resp: 166375
Ion Ratio Lower Upper
252 100
253 22.3 16.2 24.4
125 10.4 3.0 4.4#





#89
Benzo(k)fluoranthene
Concen: 5.031 ng m
RT: 24.283 min Scan# 3540
Delta R.T. -0.003 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

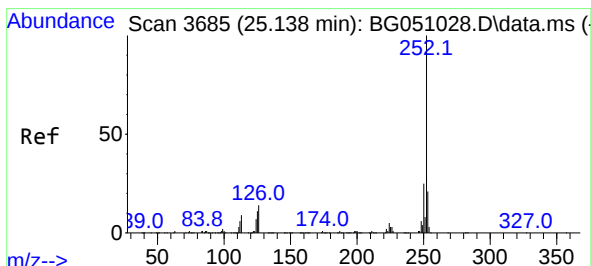
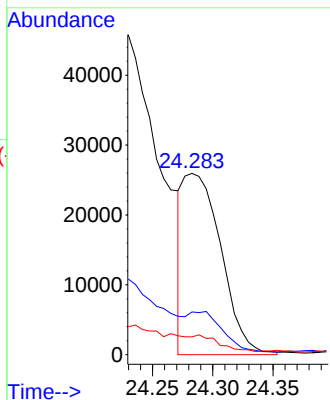
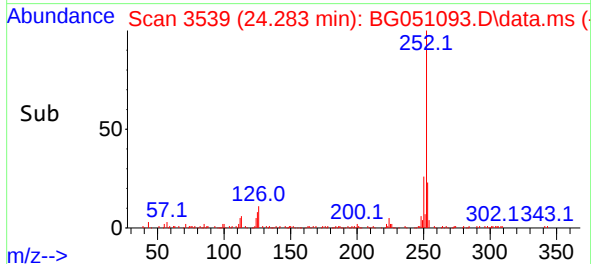
Instrument :
BNA_G
ClientSampleId :
COMP-3



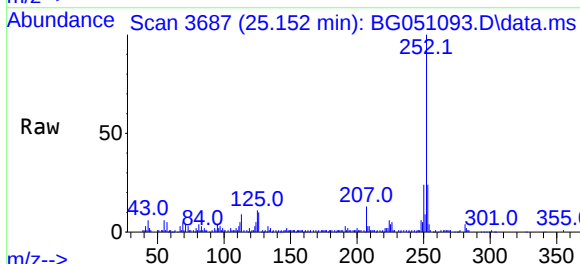
Tgt Ion:252 Resp: 56820
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 9.8 3.1 4.7

Manual Integrations
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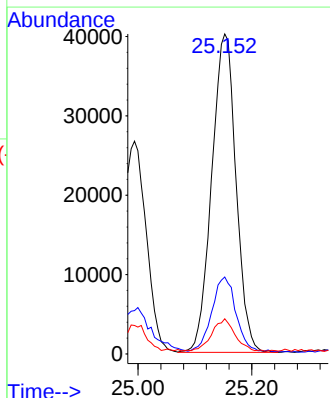
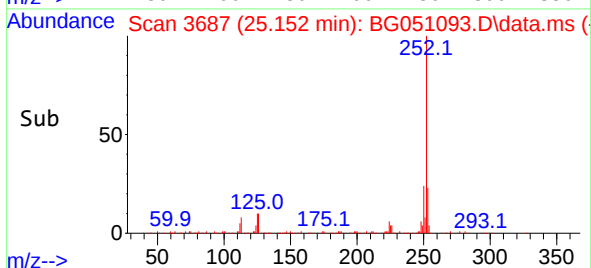
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

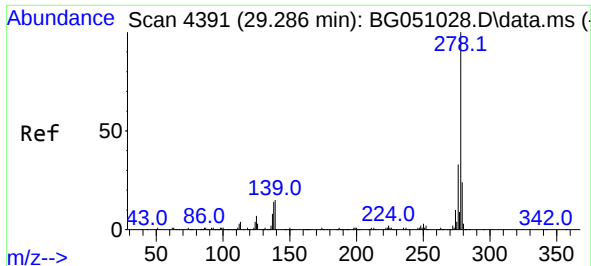


#90
Benzo(a)pyrene
Concen: 12.300 ng
RT: 25.152 min Scan# 3687
Delta R.T. 0.014 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37



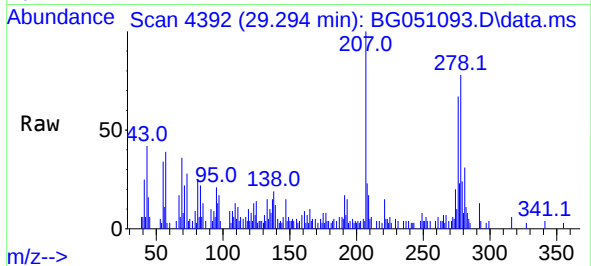
Tgt Ion:252 Resp: 118929
Ion Ratio Lower Upper
252 100
253 24.1 16.6 25.0
125 11.0 3.5 5.3





#91
Dibenzo(a,h)anthracene
Concen: 2.135 ng
RT: 29.294 min Scan# 4392
Delta R.T. 0.008 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37

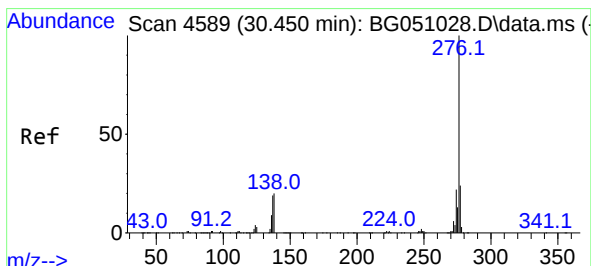
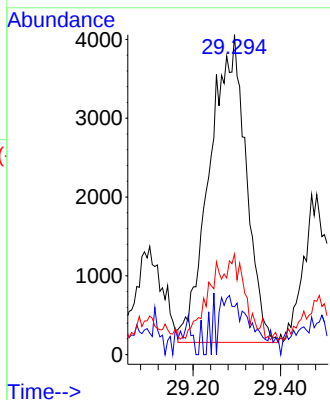
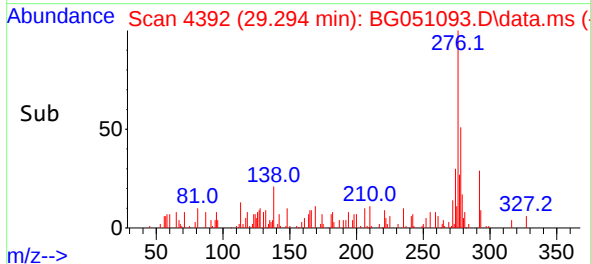
Instrument :
BNA_G
ClientSampleId :
COMP-3



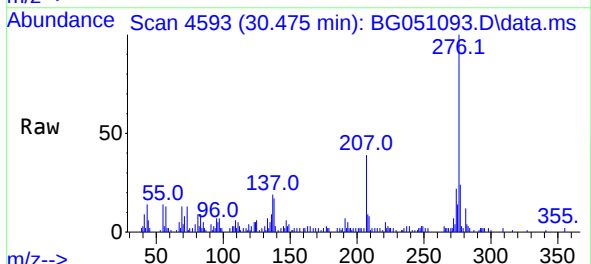
Tgt Ion:278 Resp: 2244
Ion Ratio Lower Upper
278 100
139 15.0 4.6 6.8
279 31.5 17.9 26.9

Manual Integrations
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Supervised By :mohammad ahmed 11/24/2021



#92
Benzo(g,h,i)perylene
Concen: 6.942 ng
RT: 30.475 min Scan# 4593
Delta R.T. 0.026 min
Lab File: BG051093.D
Acq: 17 Nov 2021 15:37



Tgt Ion:276 Resp: 71833
Ion Ratio Lower Upper
276 100
277 24.4 18.4 27.6
138 17.4 7.0 10.6

