

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051094.D
 Acq On : 17 Nov 2021 16:18
 Operator : CG/JU
 Sample : M4707-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1-COMP

Quant Time: Nov 17 16:56:25 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
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	35338	20.000	ng	# 0.00
21) Naphthalene-d8	11.050	136	156378	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	105202	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	213408	20.000	ng	# 0.00
76) Chrysene-d12	21.902	240	174442	20.000	ng	# 0.00
86) Perylene-d12	25.316	264	175618	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	156864	66.403	ng	0.00
7) Phenol-d6	7.372	99	226798	68.020	ng	0.00
23) Nitrobenzene-d5	9.399	82	162684	46.052	ng	0.00
42) 2,4,6-Tribromophenol	16.338	330	74119	70.403	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	331059	49.722	ng	0.00
79) Terphenyl-d14	20.186	244	439471	46.098	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.642	178	108628	9.543	ng	97
75) Fluoranthene	19.640	202	216178	15.479	ng	97
78) Pyrene	20.004	202	185279	14.158	ng	98
81) Benzo(a)anthracene	21.878	228	103714	8.659	ng	98
83) Chrysene	21.949	228	107230m	9.490	ng	
87) Indeno(1,2,3-cd)pyrene	29.235	276	68189	5.470	ng	# 90
88) Benzo(b)fluoranthene	24.223	252	135753	12.280	ng	# 92
89) Benzo(k)fluoranthene	24.282	252	47724m	4.329	ng	
90) Benzo(a)pyrene	25.145	252	94592	10.023	ng	# 91
91) Dibenzo(a,h)anthracene	29.270	278	21240	2.070	ng	# 74
92) Benzo(g,h,i)perylene	30.474	276	61533	6.092	ng	# 90

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

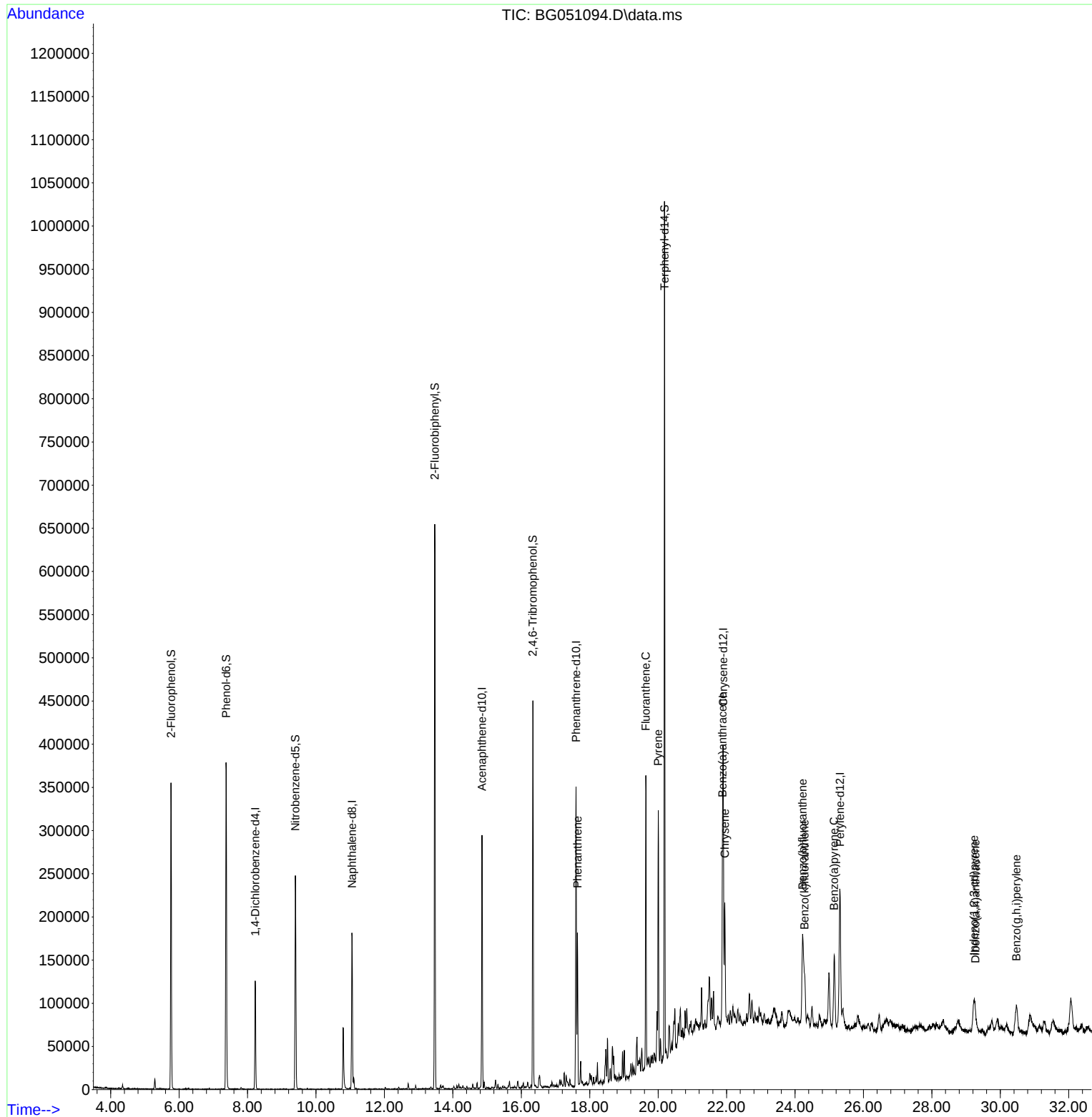
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051094.D
Acq On : 17 Nov 2021 16:18
Operator : CG/JU
Sample : M4707-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

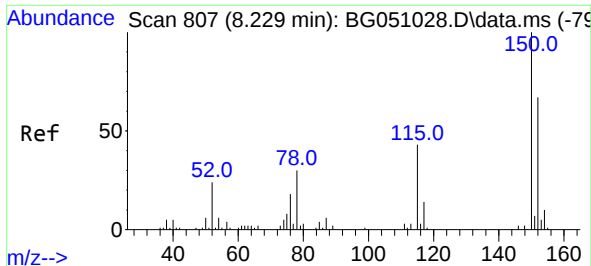
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Nov 17 16:56:25 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 15 03:55:35 2021
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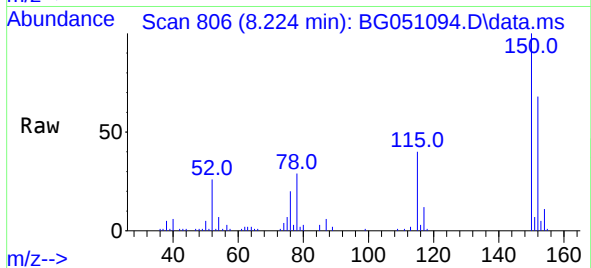
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 807
Delta R.T. -0.005 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

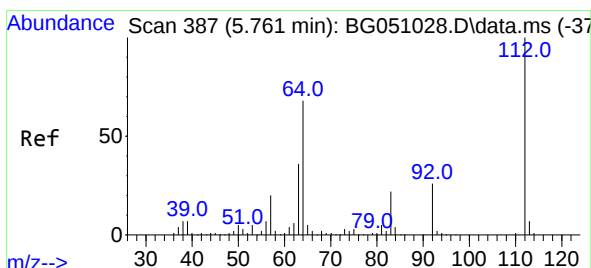
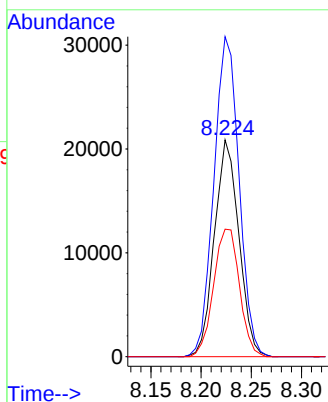
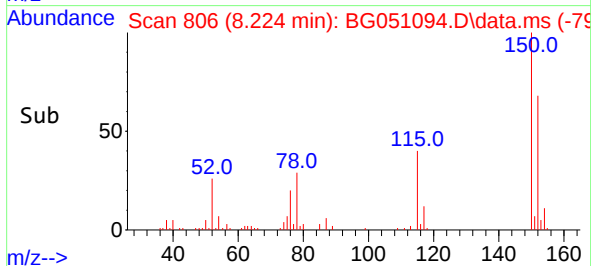
Instrument :
BNA_G
ClientSampleId :
1-COMP



Tgt Ion:152 Resp: 35338
Ion Ratio Lower Upper
152 100
150 147.6 119.4 179.0
115 58.8 60.2 90.4

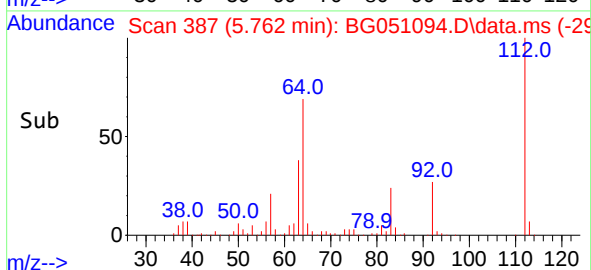
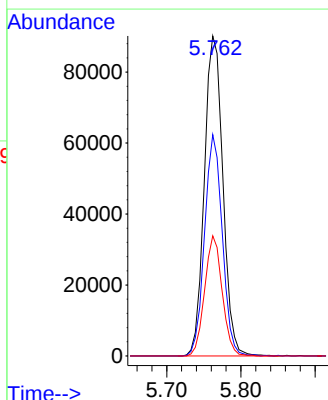
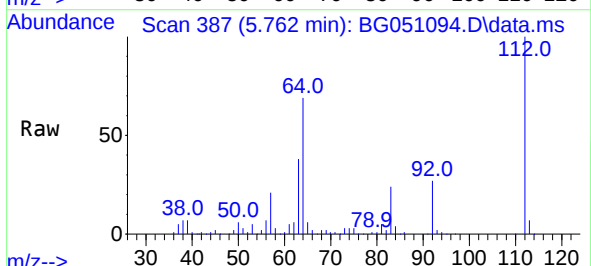
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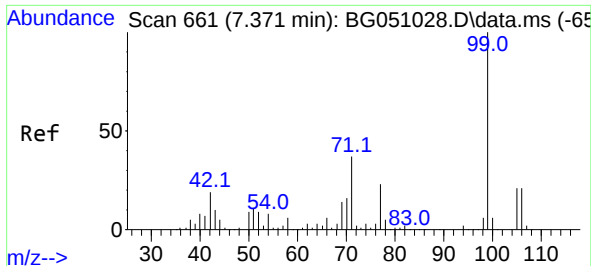
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021



#5
2-Fluorophenol
Concen: 66.403 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

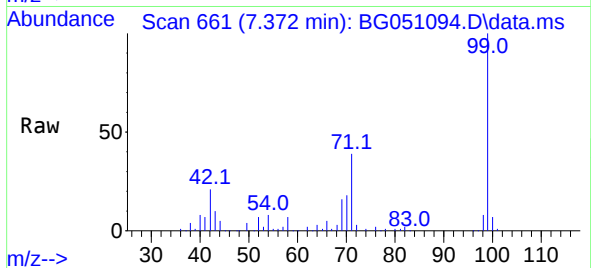
Tgt Ion:112 Resp: 156864
Ion Ratio Lower Upper
112 100
64 69.1 46.7 70.1
63 37.5 35.3 52.9





#7
Phenol-d6
Concen: 68.020 ng
RT: 7.372 min Scan# 661
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

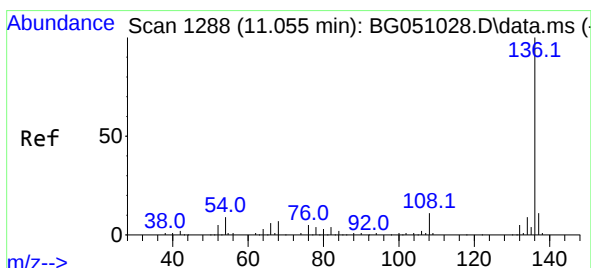
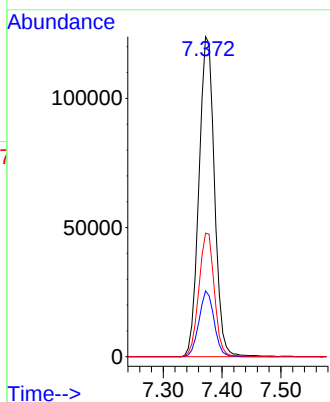
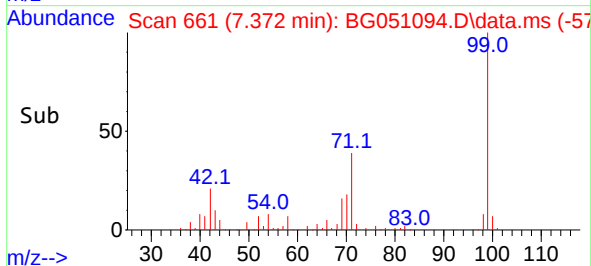
Instrument :
BNA_G
ClientSampleId :
1-COMP



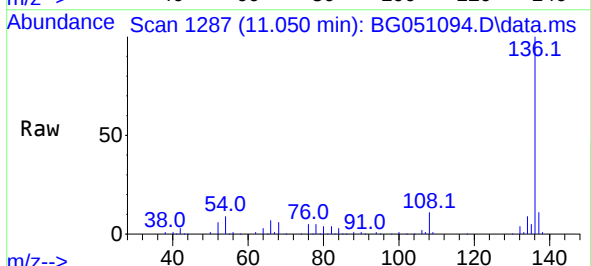
Tgt Ion: 99 Resp: 226798
Ion Ratio Lower Upper
99 100
42 20.6 20.5 30.7
71 38.6 41.5 62.3

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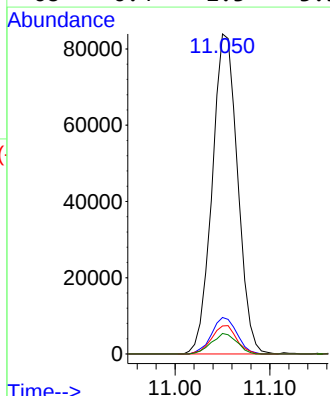
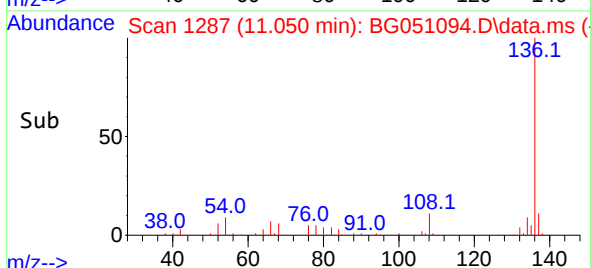
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

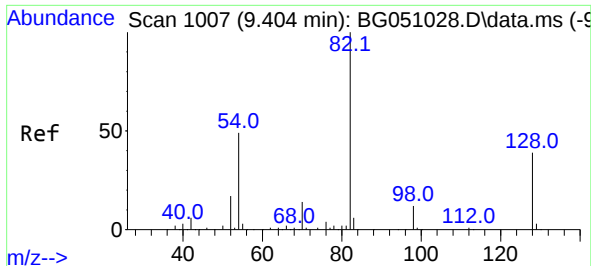


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18



Tgt Ion:136 Resp: 156378
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.2
54 8.8 5.5 8.3#
68 6.4 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 46.052 ng
RT: 9.399 min Scan# 1006
Delta R.T. -0.005 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Instrument :

BNA_G

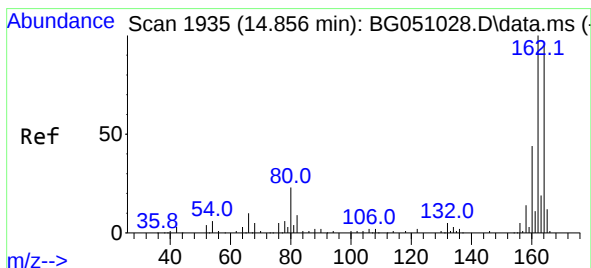
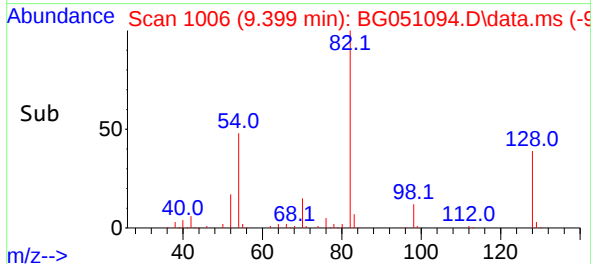
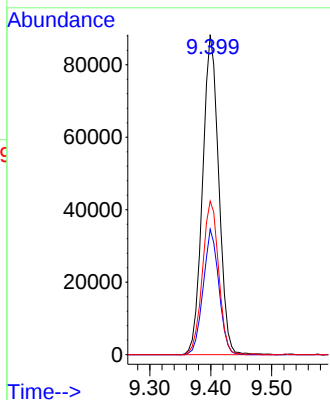
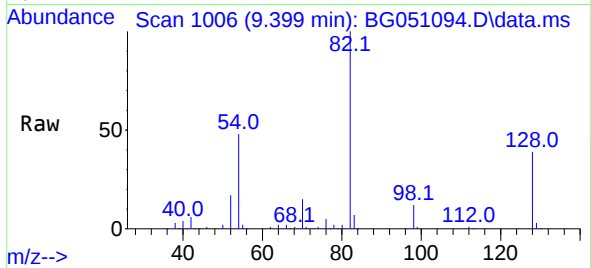
ClientSampleId :

1-COMP

Tgt Ion: 82 Resp: 162684
Ion Ratio Lower Upper
82 100
128 39.2 29.8 44.6
54 48.0 45.8 68.8

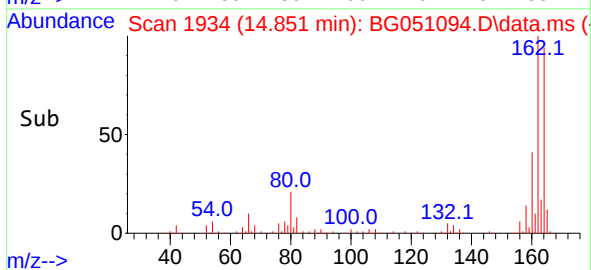
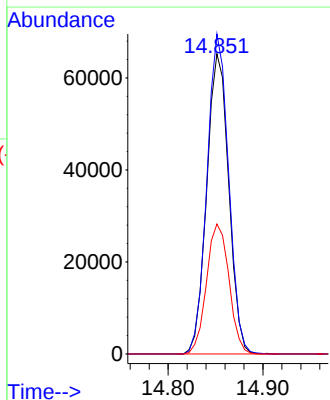
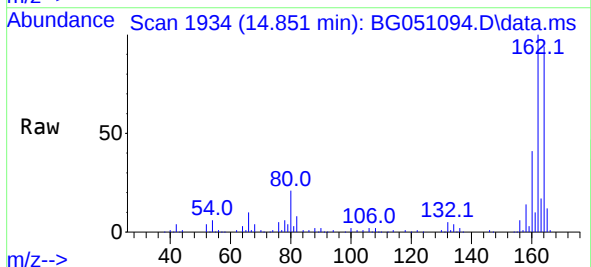
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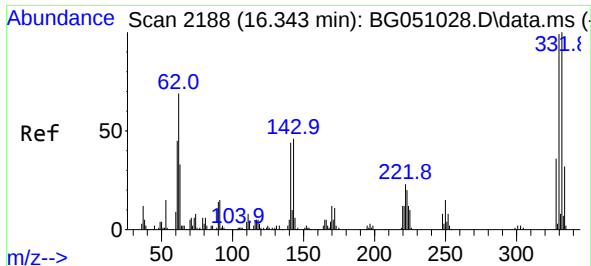
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Tgt Ion:164 Resp: 105202
Ion Ratio Lower Upper
164 100
162 106.6 81.4 122.0
160 43.3 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 70.403 ng
RT: 16.338 min Scan# 2188
Delta R.T. -0.005 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

Instrument :

BNA_G

ClientSampleId :

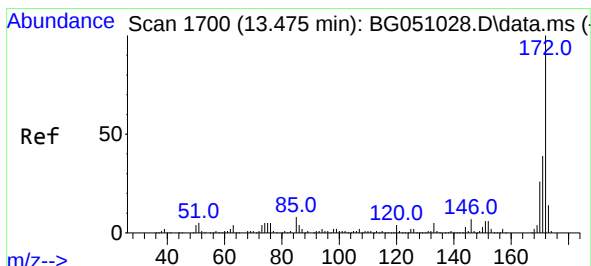
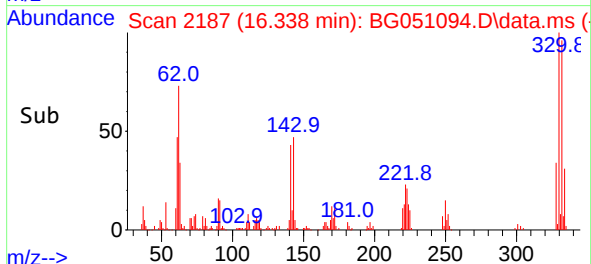
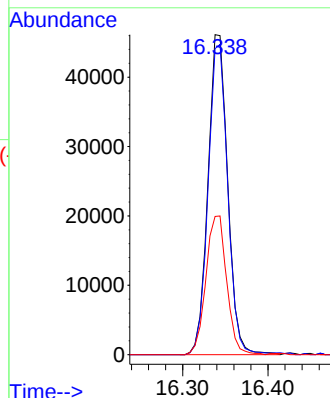
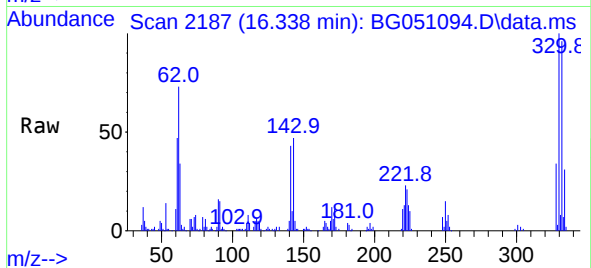
1-COMP

Tgt Ion:330 Resp: 74119
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 45.7 35.6 53.4

Manual Integrations

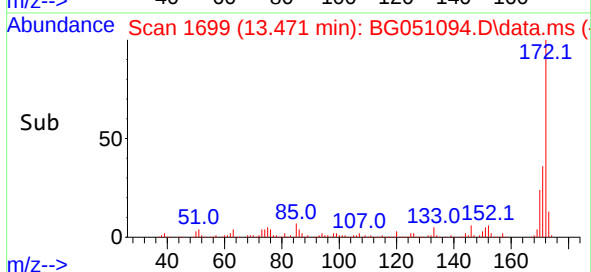
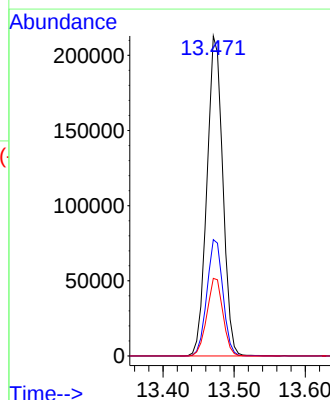
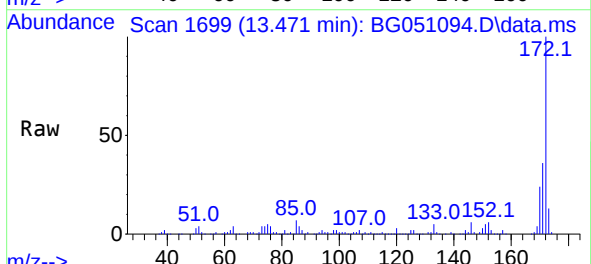
APPROVED

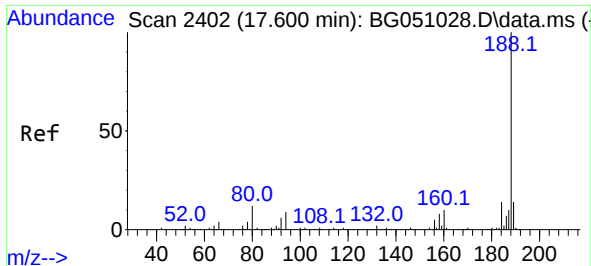
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021



#45
2-Fluorobiphenyl
Concen: 49.722 ng
RT: 13.471 min Scan# 1699
Delta R.T. -0.004 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

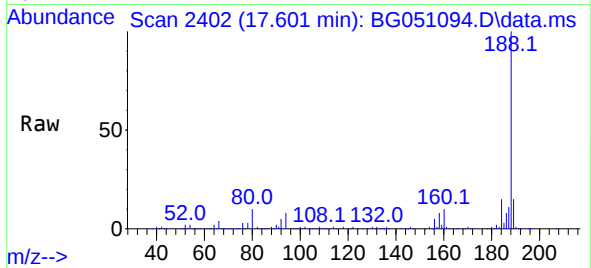
Tgt Ion:172 Resp: 331059
Ion Ratio Lower Upper
172 100
171 36.4 28.6 43.0
170 24.3 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 2402
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

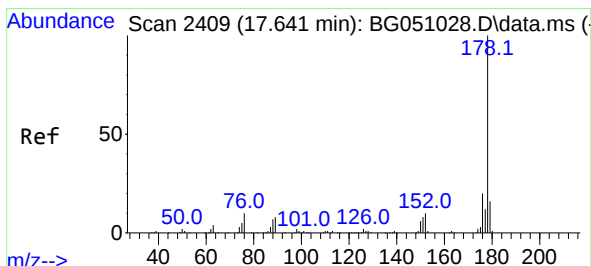
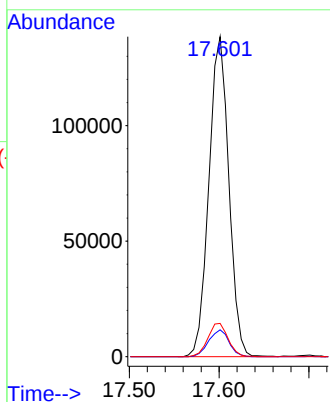
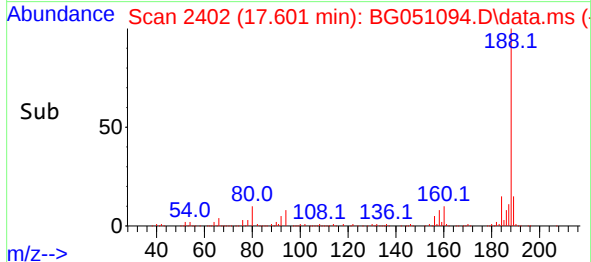
Instrument :
BNA_G
ClientSampleId :
1-COMP



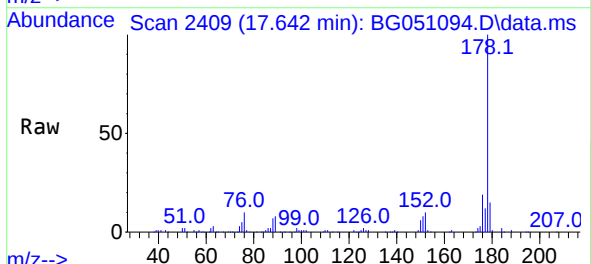
Tgt Ion:188 Resp: 213408
Ion Ratio Lower Upper
188 100
94 8.4 5.4 8.0
80 10.4 3.7 5.5

Manual Integrations
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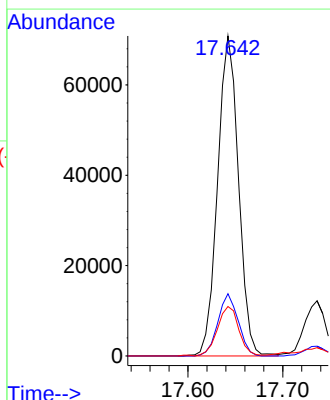
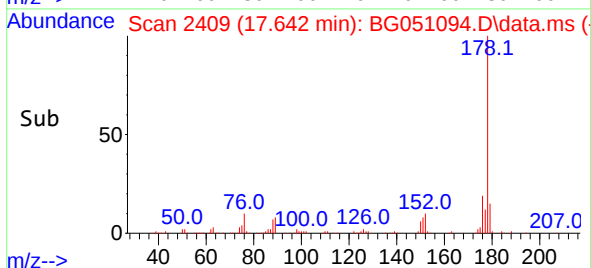
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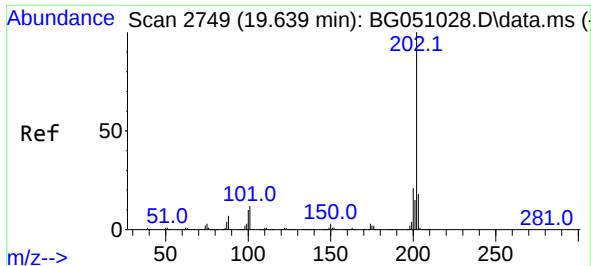


#71
Phenanthrene
Concen: 9.543 ng
RT: 17.642 min Scan# 2409
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18



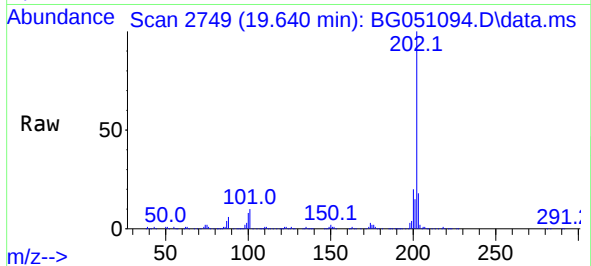
Tgt Ion:178 Resp: 108628
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.4 14.2 21.4





#75
Fluoranthene
Concen: 15.479 ng
RT: 19.640 min Scan# 216178
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

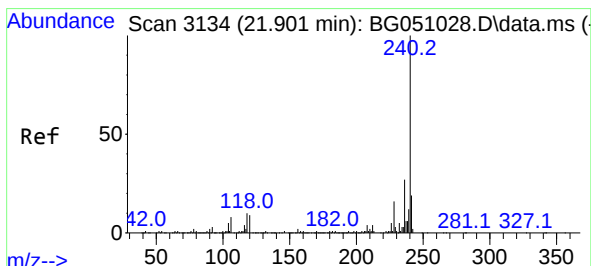
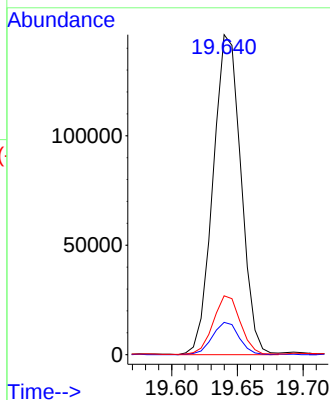
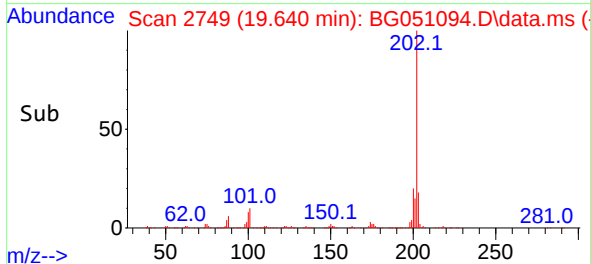
Instrument :
BNA_G
ClientSampleId :
1-COMP



Tgt Ion:202 Resp: 216178
Ion Ratio Lower Upper
202 100
101 10.1 0.0 24.7
203 18.4 0.0 38.5

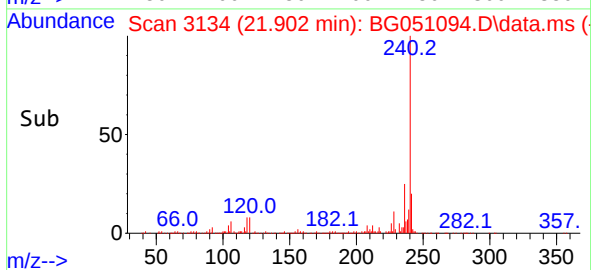
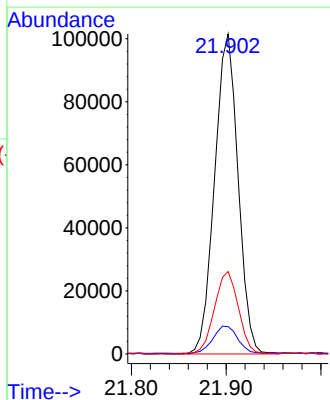
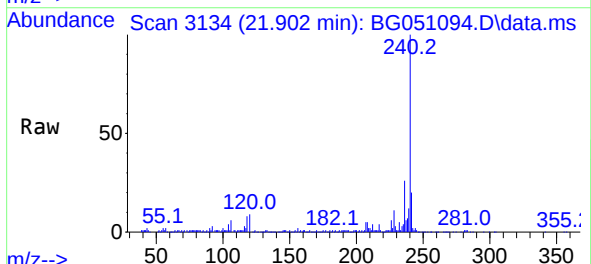
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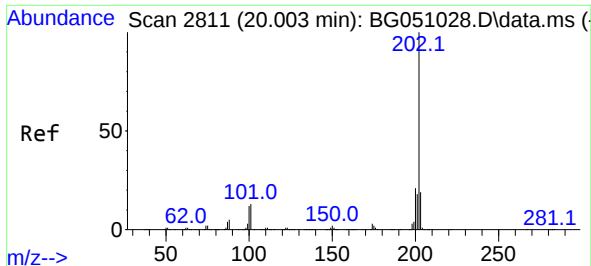
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.902 min Scan# 3134
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

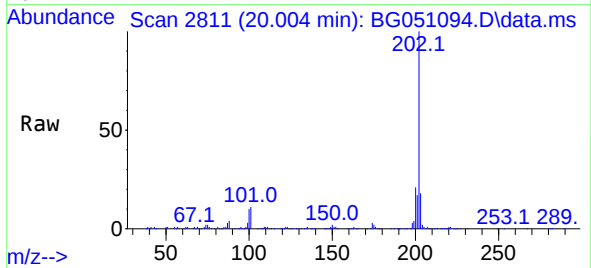
Tgt Ion:240 Resp: 174442
Ion Ratio Lower Upper
240 100
120 8.6 4.2 6.2#
236 25.8 21.8 32.6





#78
Pyrene
Concen: 14.158 ng
RT: 20.004 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

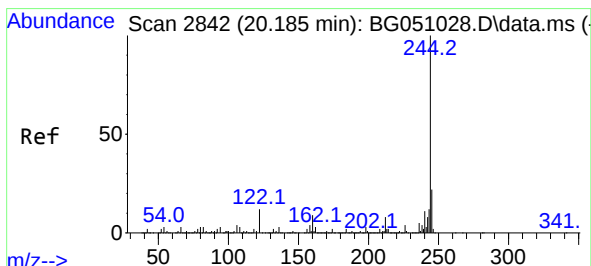
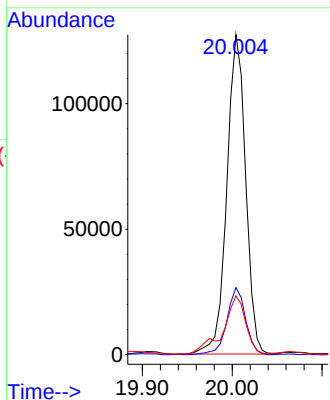
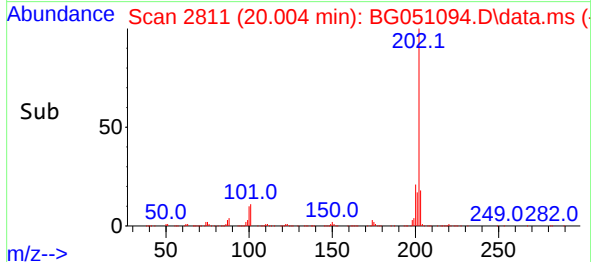
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BNA_G
ClientSampleId :
1-COMP



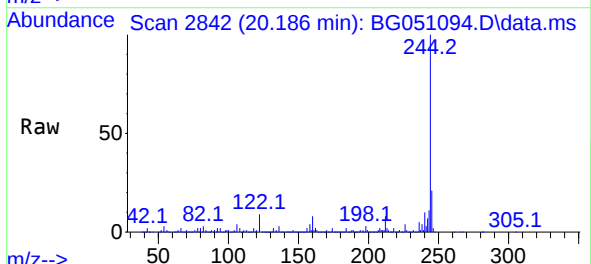
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Ion Ratio Lower Upper
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200 20.9 15.8 23.8
203 18.4 14.6 21.8

Manual Integrations
APPROVED

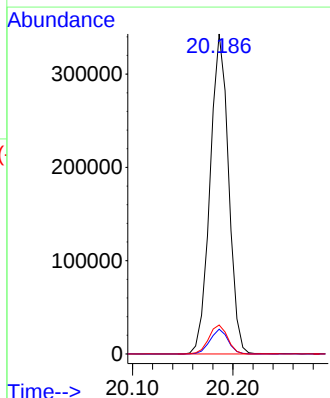
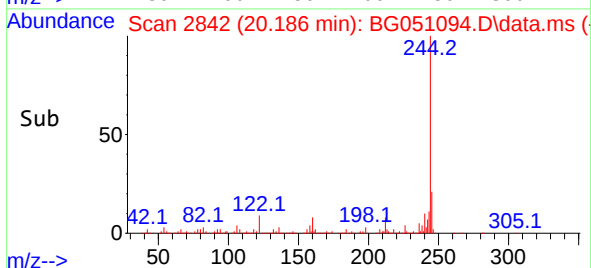
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

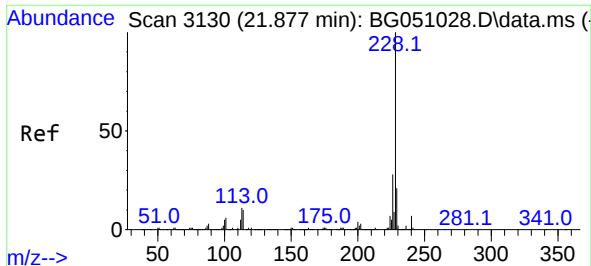


#79
Terphenyl-d14
Concen: 46.098 ng
RT: 20.186 min Scan# 2842
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18



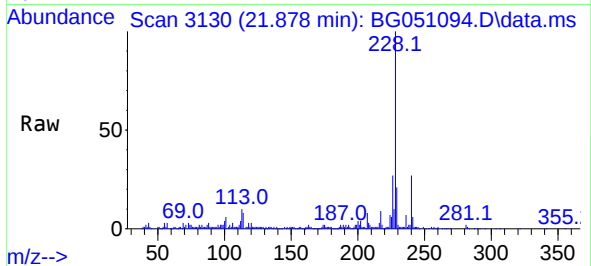
Tgt Ion:244 Resp: 439471
Ion Ratio Lower Upper
244 100
212 7.7 6.9 10.3
122 9.1 5.0 7.6#





#81
Benzo(a)anthracene
Concen: 8.659 ng
RT: 21.878 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

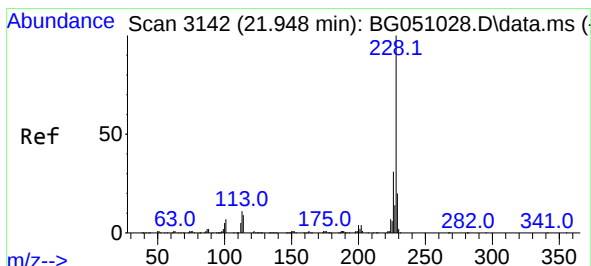
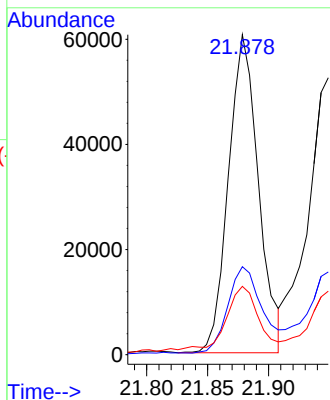
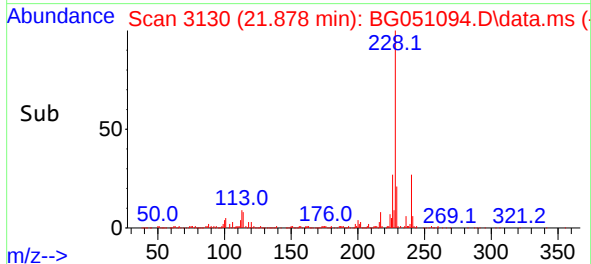
Instrument :
BNA_G
ClientSampleId :
1-COMP



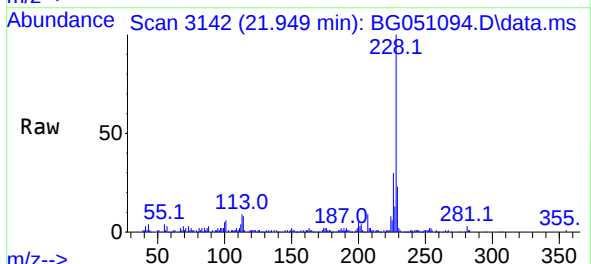
Tgt Ion:228 Resp: 103714
Ion Ratio Lower Upper
228 100
226 27.5 22.7 34.1
229 21.4 16.0 24.0

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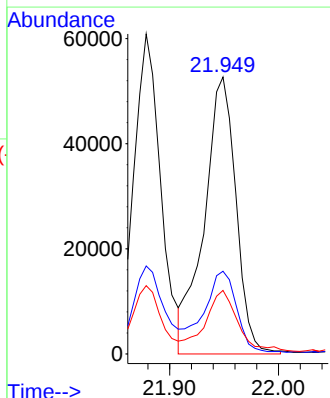
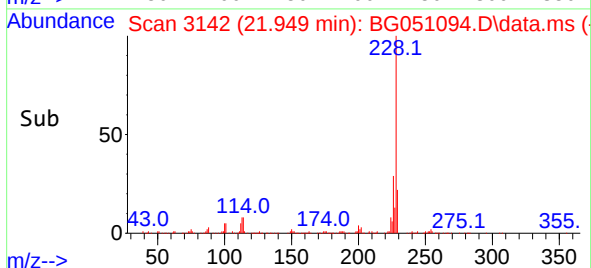
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

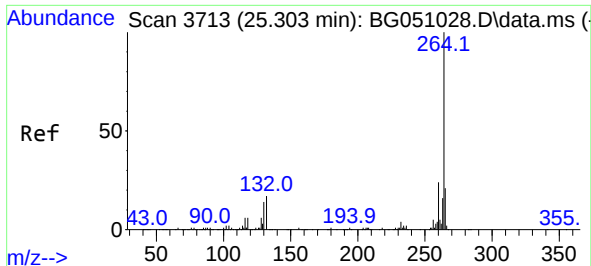


#83
Chrysene
Concen: 9.490 ng m
RT: 21.949 min Scan# 3142
Delta R.T. 0.001 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18



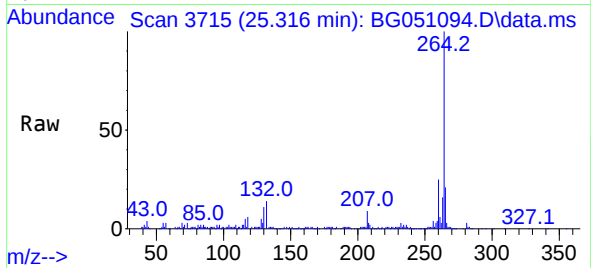
Tgt Ion:228 Resp: 107230
Ion Ratio Lower Upper
228 100
226 29.9 23.1 34.7
229 22.9 15.3 22.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.316 min Scan# 31
Delta R.T. 0.013 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

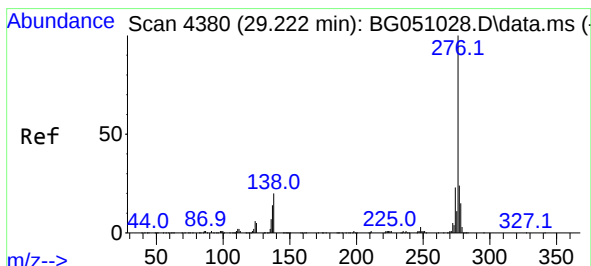
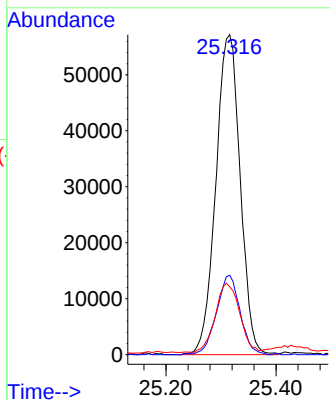
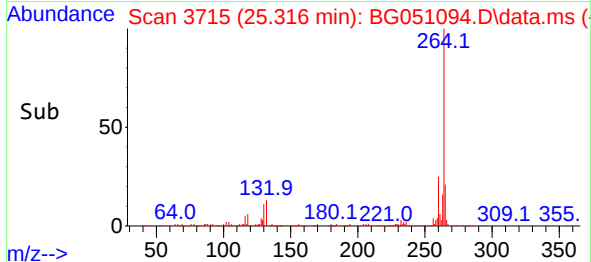
Instrument :
BNA_G
ClientSampleId :
1-COMP



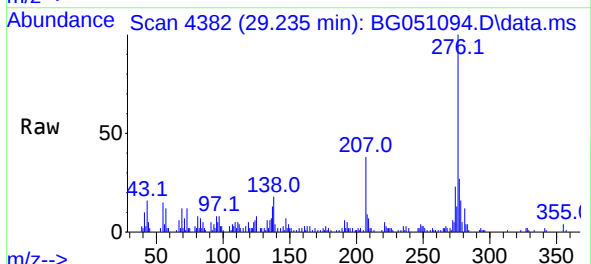
Tgt Ion:264 Resp: 175618
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 21.2 16.9 25.3

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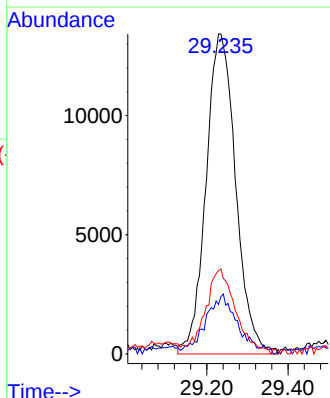
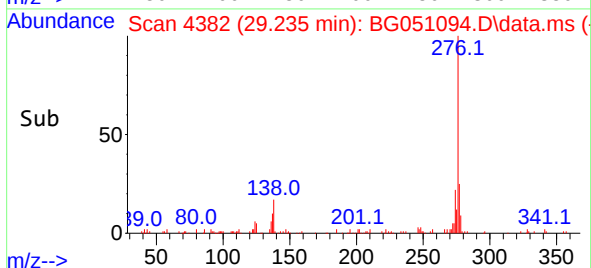
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

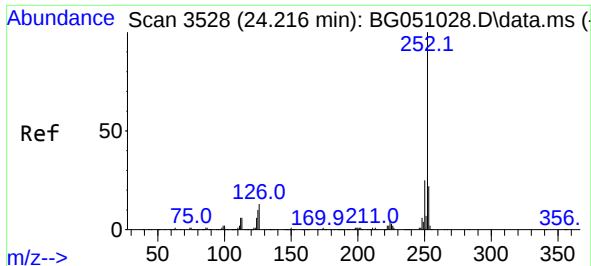


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.470 ng
RT: 29.235 min Scan# 4382
Delta R.T. 0.013 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18



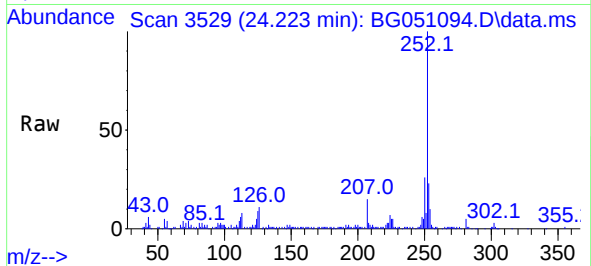
Tgt Ion:276 Resp: 68189
Ion Ratio Lower Upper
276 100
138 17.1 5.1 7.7#
277 27.0 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 12.280 ng
RT: 24.223 min Scan# 3528
Delta R.T. 0.007 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

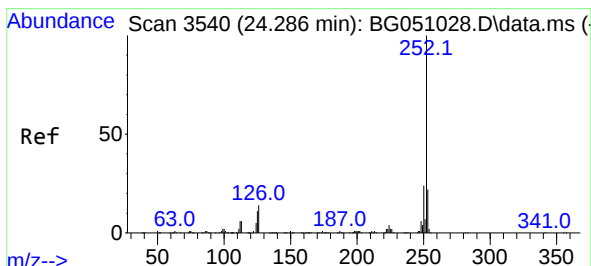
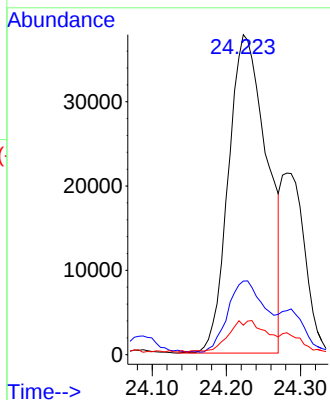
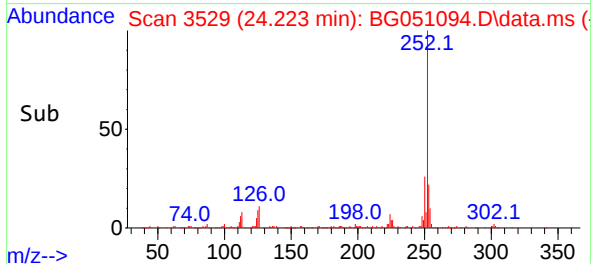
Instrument :
BNA_G
ClientSampleId :
1-COMP



Tgt Ion:252 Resp: 13575
Ion Ratio Lower Upper
252 100
253 23.0 16.2 24.4
125 9.2 3.0 4.4

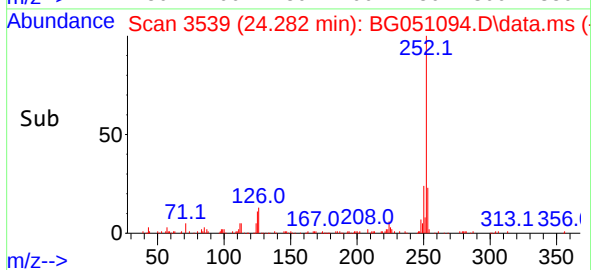
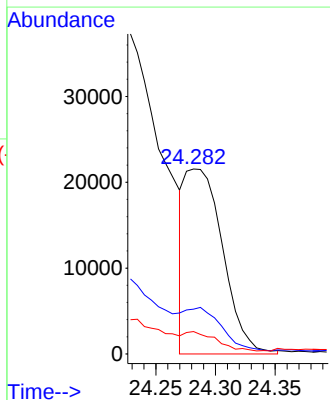
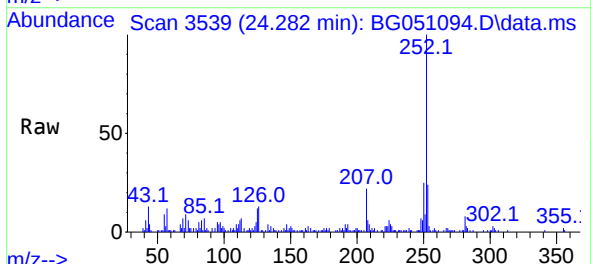
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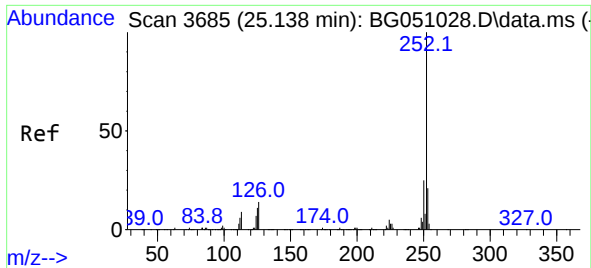
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021



#89
Benzo(k)fluoranthene
Concen: 4.329 ng m
RT: 24.282 min Scan# 3539
Delta R.T. -0.005 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

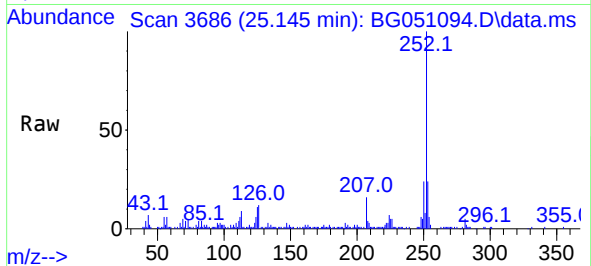
Tgt Ion:252 Resp: 47724
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 12.1 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 10.023 ng
RT: 25.145 min Scan# 30
Delta R.T. 0.007 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18

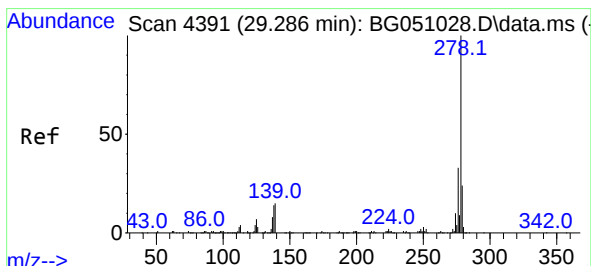
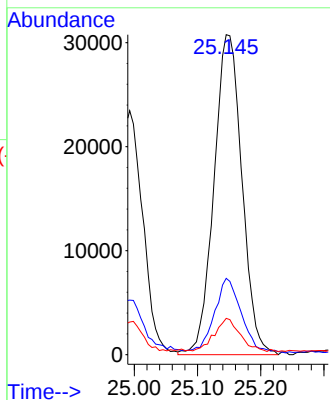
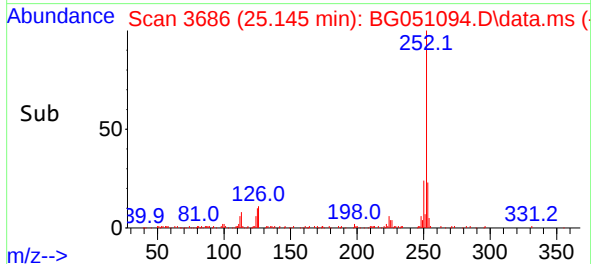
Instrument :
BNA_G
ClientSampleId :
1-COMP



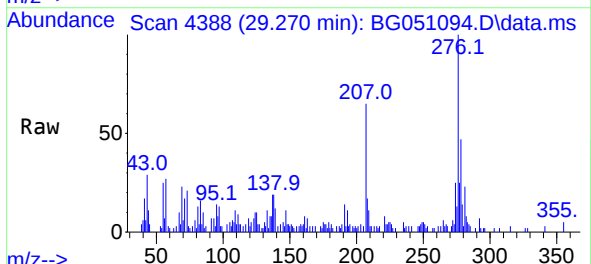
Tgt Ion:252 Resp: 9459
Ion Ratio Lower Upper
252 100
253 23.8 16.6 25.0
125 11.4 3.5 5.3

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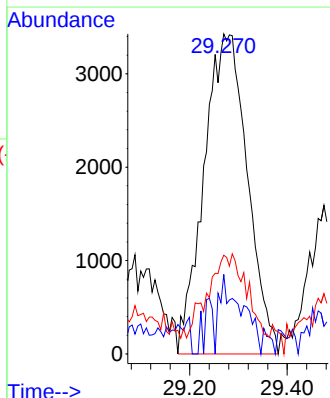
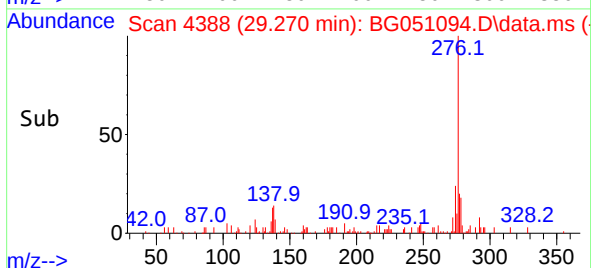
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/24/2021

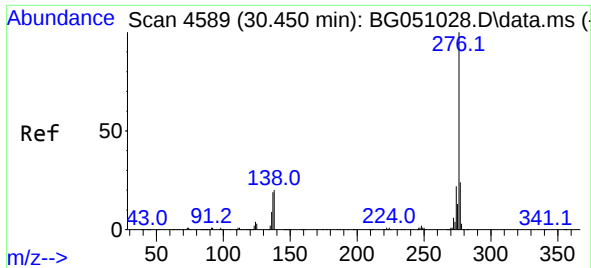


#91
Dibenzo(a,h)anthracene
Concen: 2.070 ng
RT: 29.270 min Scan# 4388
Delta R.T. -0.016 min
Lab File: BG051094.D
Acq: 17 Nov 2021 16:18



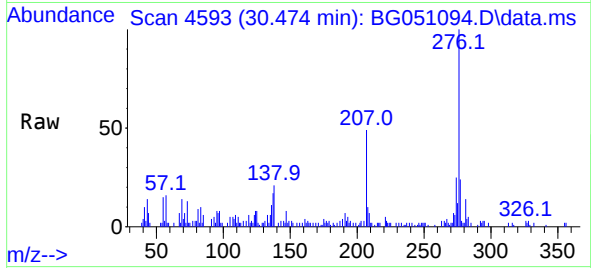
Tgt Ion:278 Resp: 21240
Ion Ratio Lower Upper
278 100
139 24.8 4.6 6.8#
279 30.9 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 6.092 ng
 RT: 30.474 min Scan# 4593
 Delta R.T. 0.025 min
 Lab File: BG051094.D
 Acq: 17 Nov 2021 16:18

Instrument :
 BNA_G
 ClientSampleId :
 1-COMP



Tgt Ion: 276 Resp: 6153

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.4	27.6
138	20.6	7.0	10.6

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

