

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041824\
 Data File : BG060934.D
 Acq On : 18 Apr 2024 13:17
 Operator : MA/JU
 Sample : P2150-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ARCOLA-SP-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

Quant Time: Apr 18 14:00:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	52662	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	204722	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	170584	20.000	ng	0.00
64) Phenanthrene-d10	17.313	188	427059	20.000	ng	0.00
76) Chrysene-d12	21.573	240	421775	20.000	ng	0.00
86) Perylene-d12	24.693	264	494281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	369224	121.783	ng	0.00
7) Phenol-d6	7.107	99	506113	115.879	ng	0.00
23) Nitrobenzene-d5	9.093	82	344834	76.468	ng	0.00
42) 2,4,6-Tribromophenol	16.056	330	317987	112.837	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	857302	73.750	ng	0.00
79) Terphenyl-d14	19.939	244	1705743	70.581	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.634	154	20028	2.200	ng	98
71) Phenanthrene	17.354	178	285412	13.204	ng	98
72) Anthracene	17.448	178	51257	2.308	ng	97
75) Fluoranthene	19.369	202	488114	17.740	ng	98
78) Pyrene	19.728	202	406434	14.047	ng	99
81) Benzo(a)anthracene	21.555	228	202374	6.795	ng	97
83) Chrysene	21.614	228	213355	7.503	ng	99
87) Indeno(1,2,3-cd)pyrene	28.224	276	103146	3.018	ng	96
88) Benzo(b)fluoranthene	23.705	252	226396	8.095	ng	96
89) Benzo(k)fluoranthene	23.770	252	86741m	3.032	ng	
90) Benzo(a)pyrene	24.540	252	151868	5.508	ng	96
92) Benzo(g,h,i)perylene	29.305	276	93755	3.409	ng	95

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

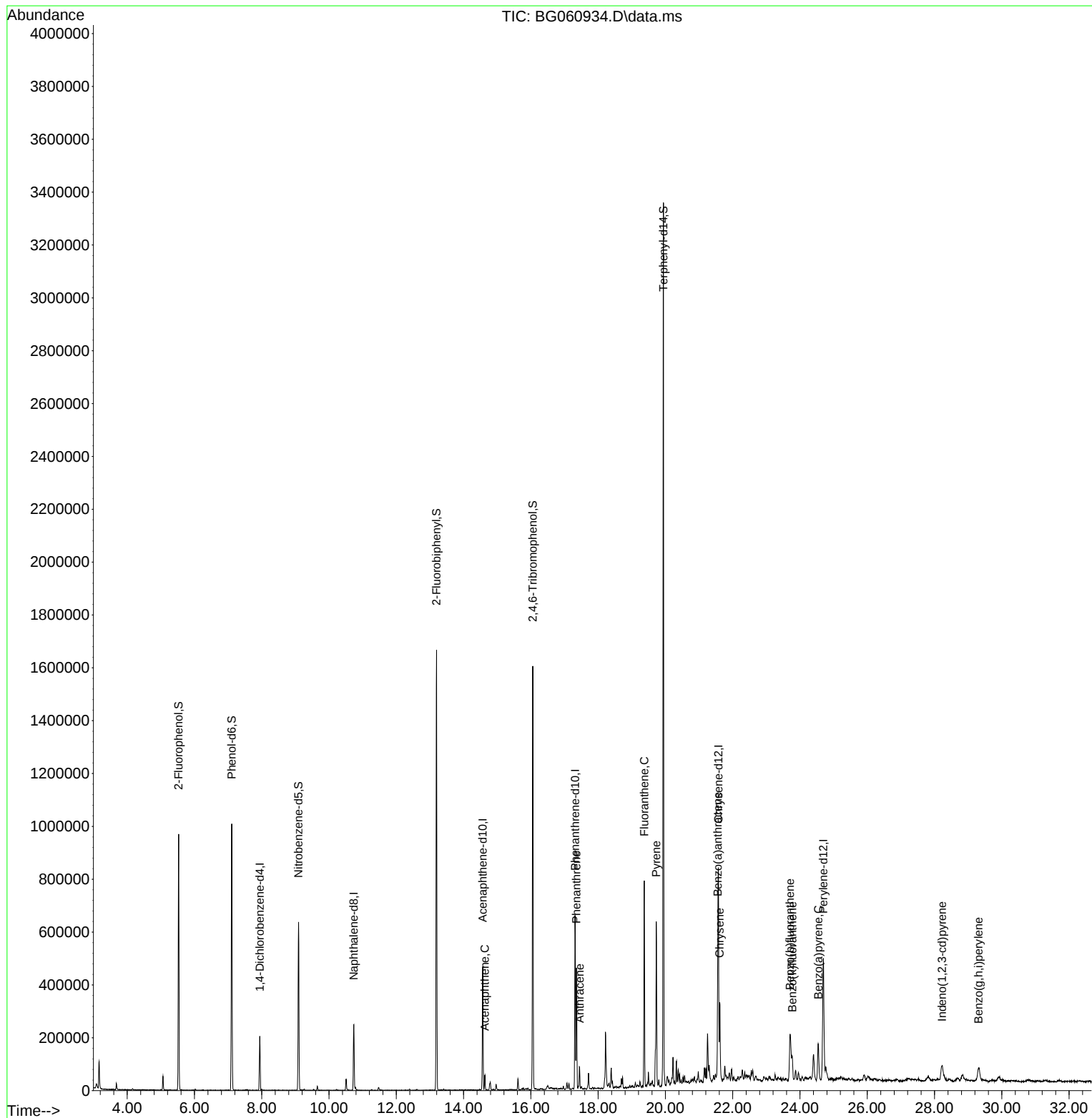
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041824\
Data File : BG060934.D
Acq On : 18 Apr 2024 13:17
Operator : MA/JU
Sample : P2150-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

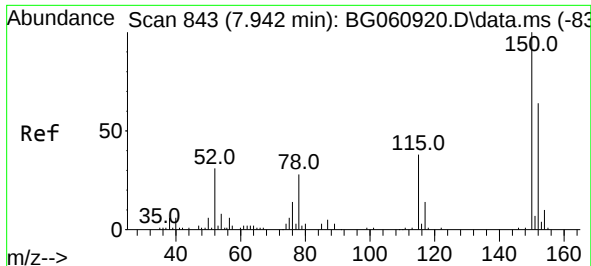
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

Quant Time: Apr 18 14:00:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
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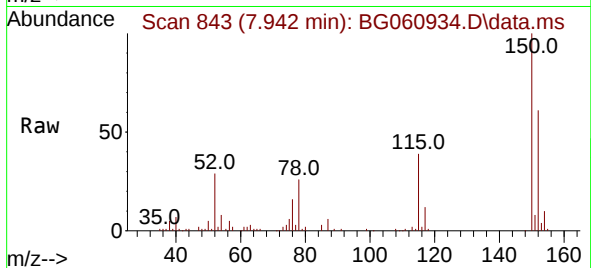
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.942 min Scan# 843
Delta R.T. -0.000 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Instrument :

BNA_G

ClientSampleId :

ARCOLA-SP-1



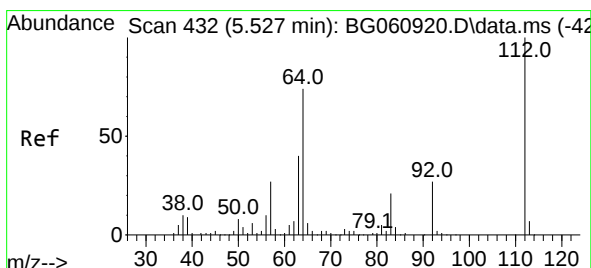
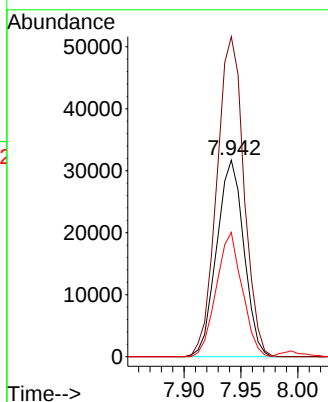
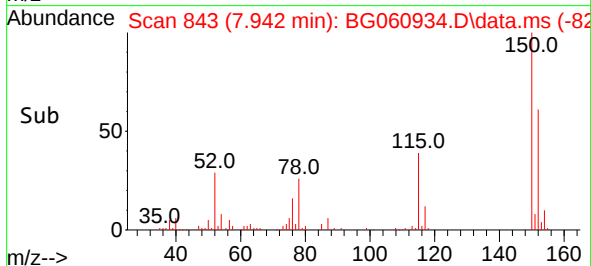
Tgt Ion:152 Resp: 52662
Ion Ratio Lower Upper
152 100
150 162.9 125.6 188.4
115 63.3 47.1 70.7

Manual Integrations

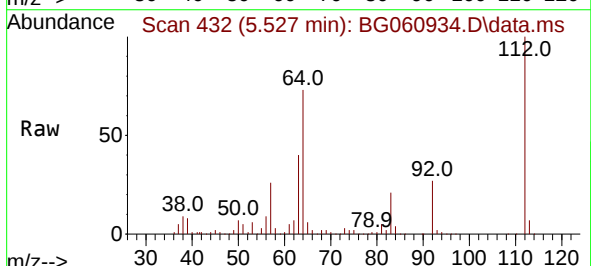
APPROVED

Reviewed By :Yogesh Patel 04/22/2024

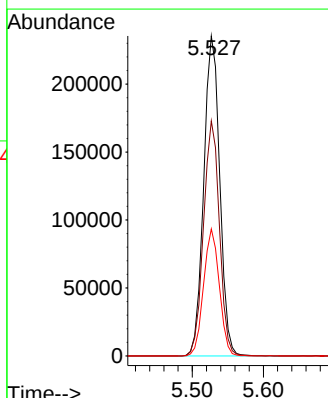
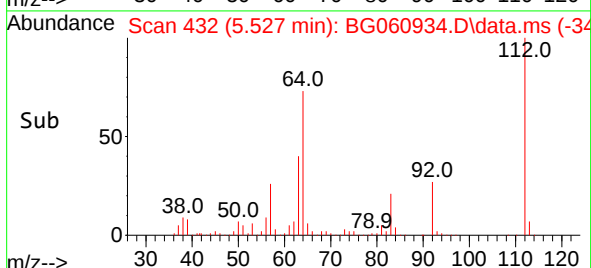
Supervised By :mohammad ahmed 04/22/2024

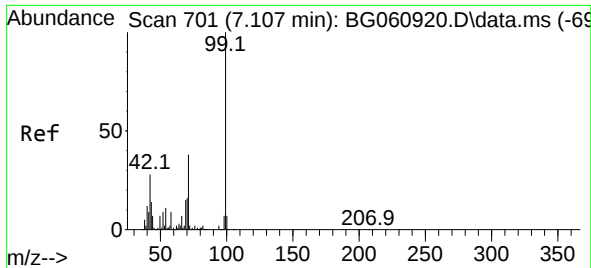


#5
2-Fluorophenol
Concen: 121.783 ng
RT: 5.527 min Scan# 432
Delta R.T. 0.000 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17



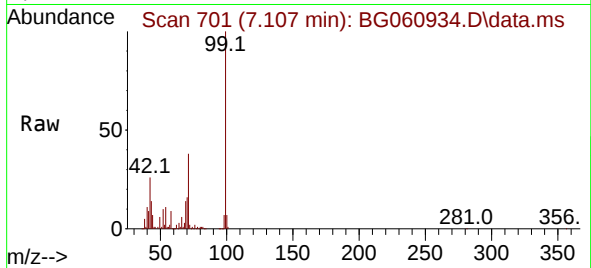
Tgt Ion:112 Resp: 369224
Ion Ratio Lower Upper
112 100
64 73.5 58.9 88.3
63 39.7 32.1 48.1





#7
Phenol-d6
Concen: 115.879 ng
RT: 7.107 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

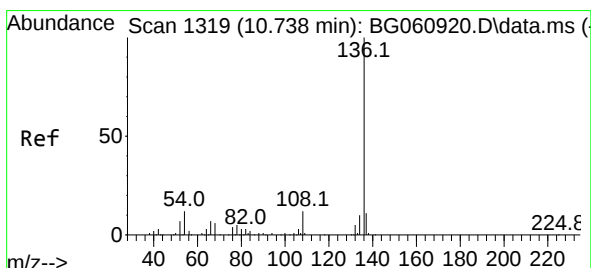
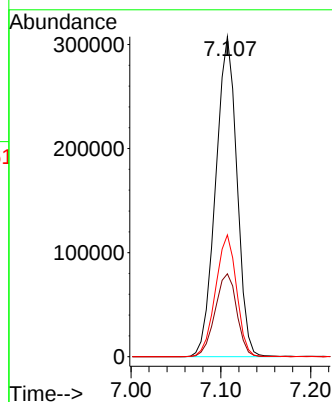
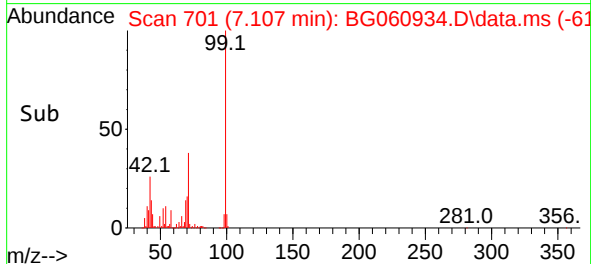
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1



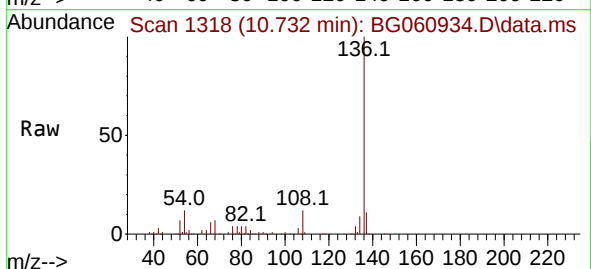
Tgt Ion: 99 Resp: 50611
Ion Ratio Lower Upper
99 100
42 25.9 22.2 33.2
71 38.0 30.5 45.7

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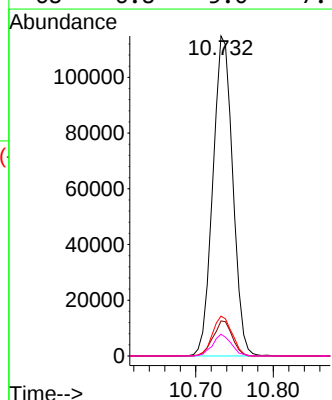
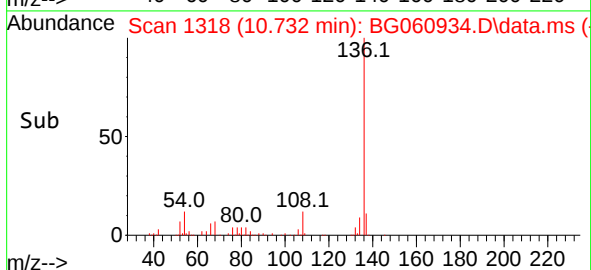
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

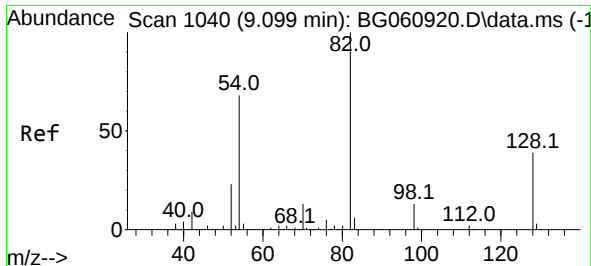


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17



Tgt Ion:136 Resp: 204722
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 12.5 9.8 14.8
68 6.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 76.468 ng

RT: 9.093 min Scan# 1040

Delta R.T. -0.006 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

Instrument :

BNA_G

ClientSampleId :

ARCOLA-SP-1

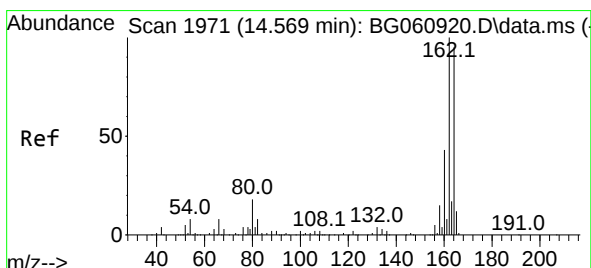
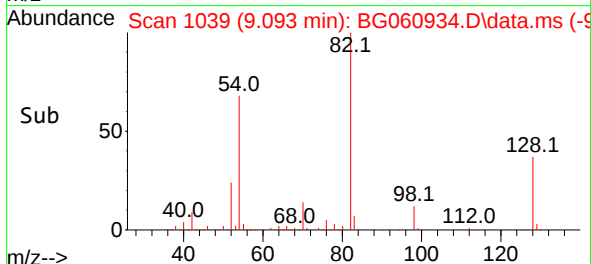
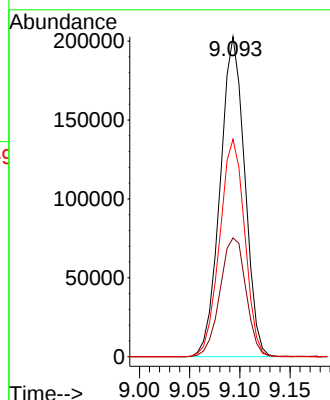
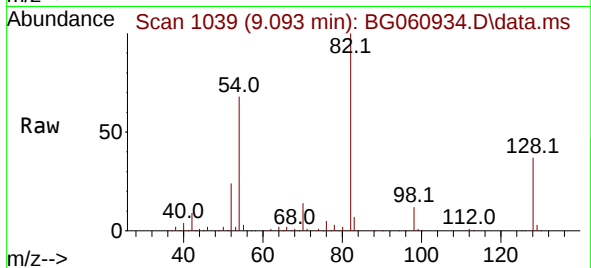
Tgt Ion: 82 Resp: 344834
 Ion Ratio Lower Upper
 82 100
 128 37.1 31.4 47.0
 54 68.0 54.2 81.4

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Supervised By :mohammad ahmed 04/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

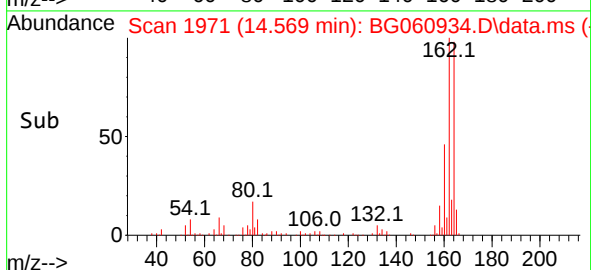
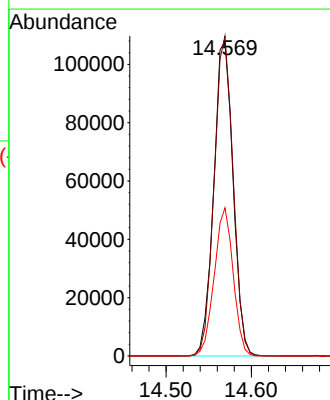
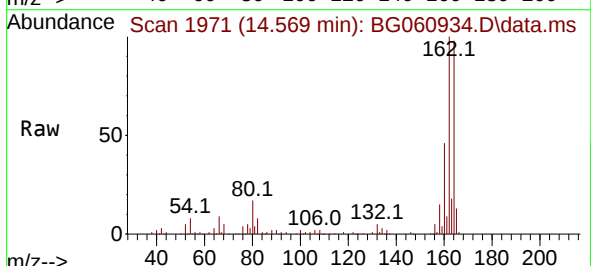
RT: 14.569 min Scan# 1971

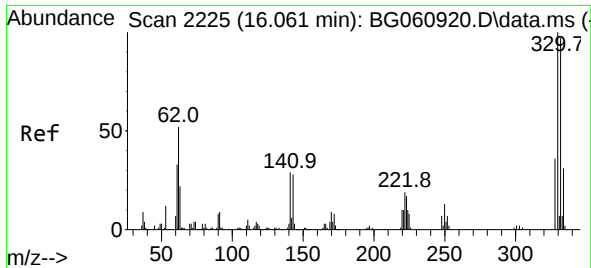
Delta R.T. 0.000 min

Lab File: BG060934.D

Acq: 18 Apr 2024 13:17

Tgt Ion:164 Resp: 170584
 Ion Ratio Lower Upper
 164 100
 162 101.6 84.1 126.1
 160 47.0 35.9 53.9





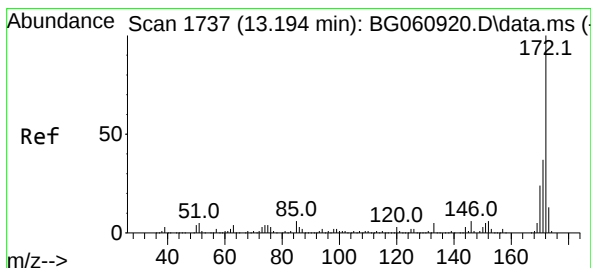
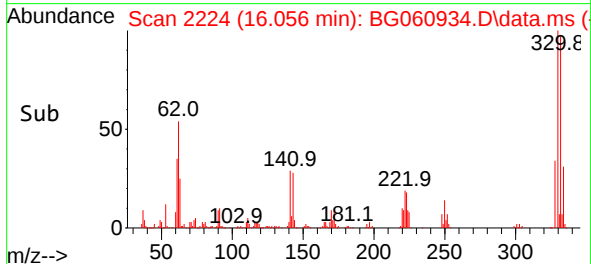
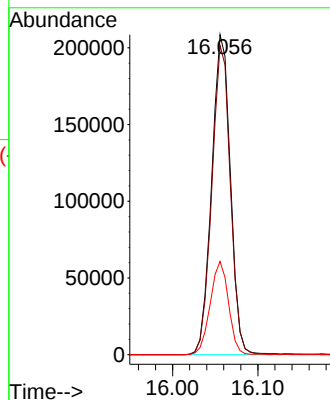
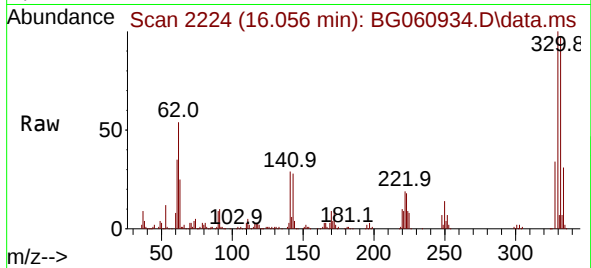
#42
2,4,6-Tribromophenol
Concen: 112.837 ng
RT: 16.056 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1

Tgt Ion:330 Resp: 31798
Ion Ratio Lower Upper
330 100
332 95.6 76.9 115.3
141 28.5 23.7 35.5

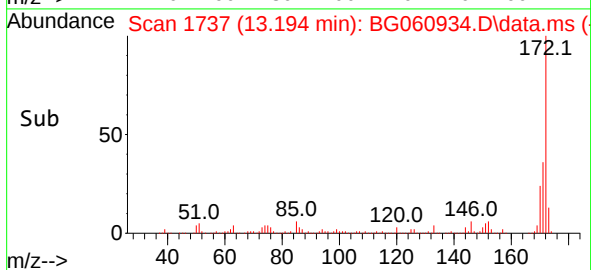
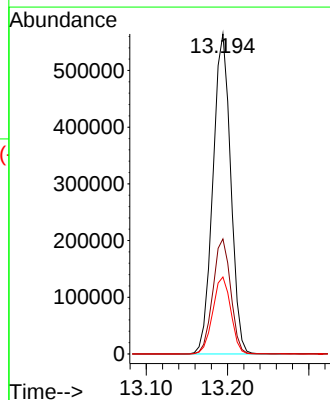
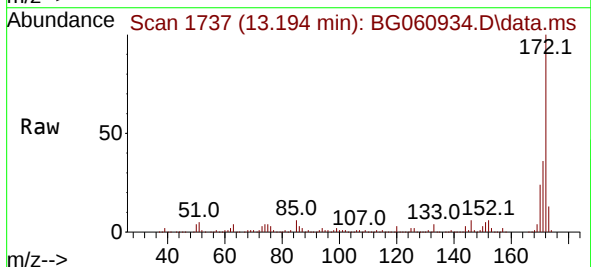
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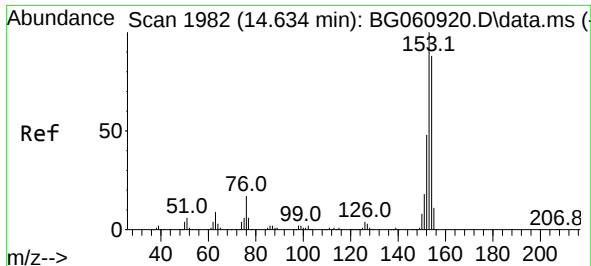
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#45
2-Fluorobiphenyl
Concen: 73.750 ng
RT: 13.194 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

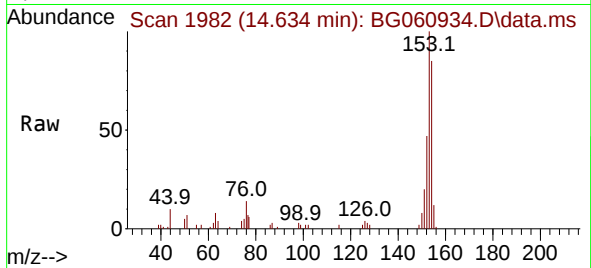
Tgt Ion:172 Resp: 857302
Ion Ratio Lower Upper
172 100
171 36.0 29.3 43.9
170 24.1 19.5 29.3





#52
Acenaphthene
Concen: 2.200 ng
RT: 14.634 min Scan# 1982
Delta R.T. 0.000 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

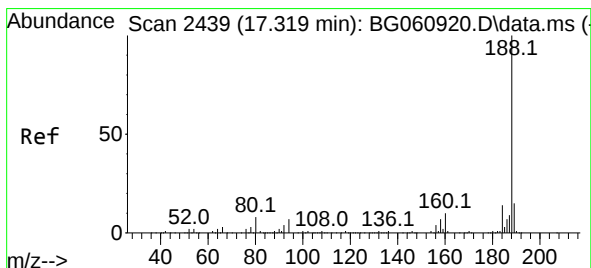
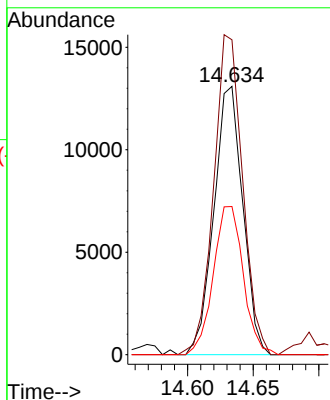
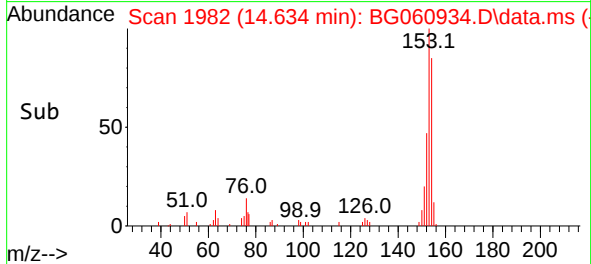
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1



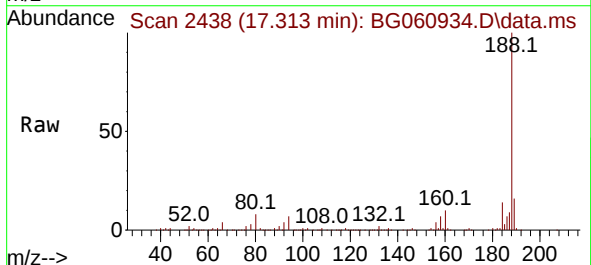
Tgt Ion:154 Resp: 20028
Ion Ratio Lower Upper
154 100
153 117.4 91.4 137.0
152 55.2 44.1 66.1

Manual Integrations
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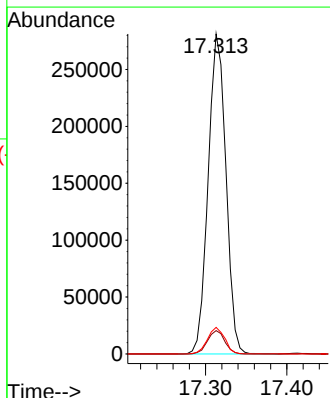
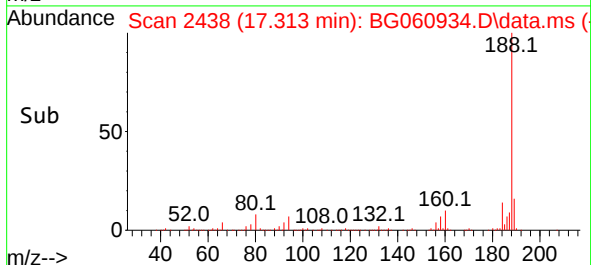
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

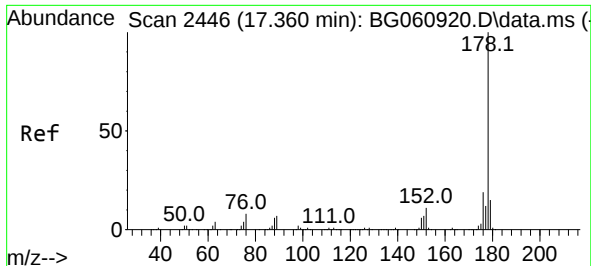


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.313 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17



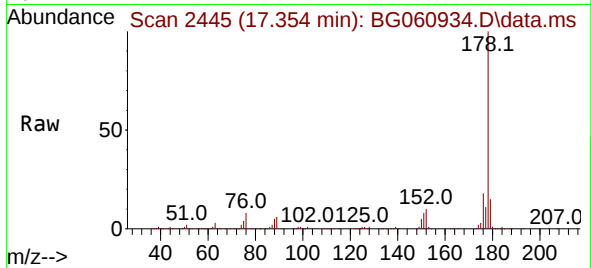
Tgt Ion:188 Resp: 427059
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 8.3 6.6 9.8





#71
Phenanthrene
Concen: 13.204 ng
RT: 17.354 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

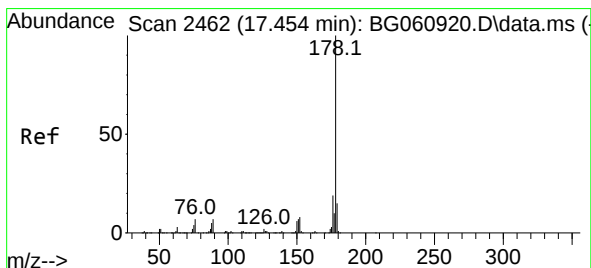
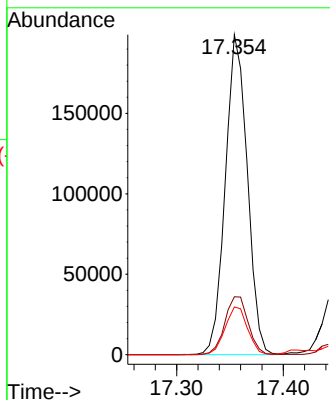
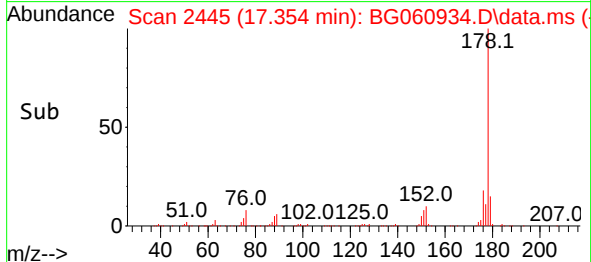
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1



Tgt Ion:178 Resp: 28541
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 14.9 12.0 18.0

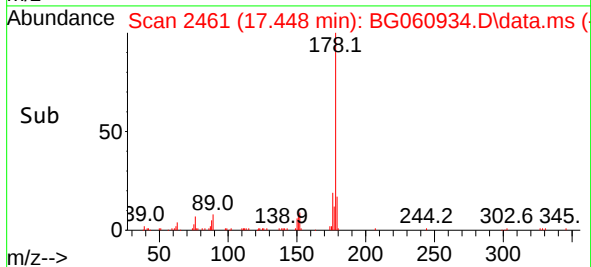
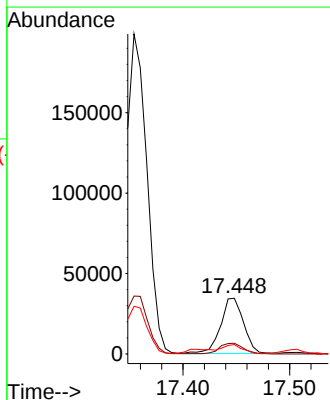
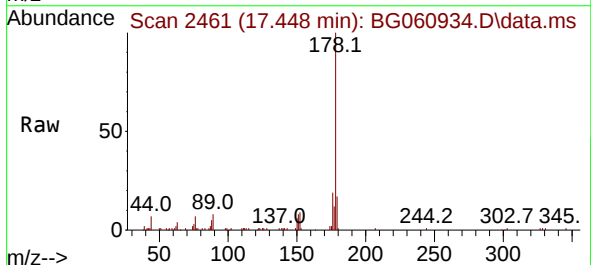
Manual Integrations
APPROVED

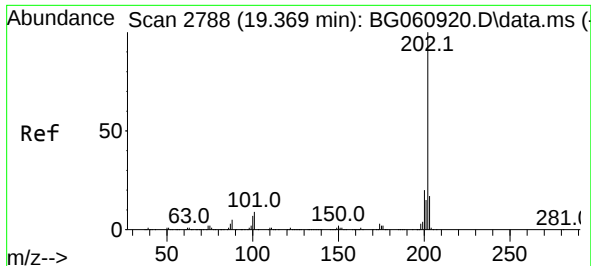
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#72
Anthracene
Concen: 2.308 ng
RT: 17.448 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

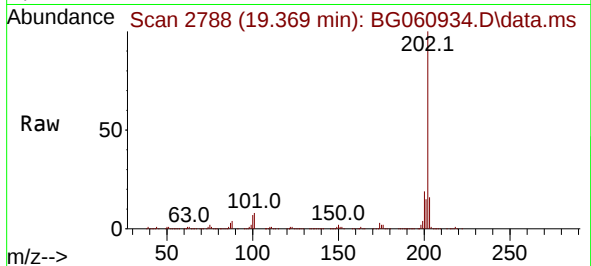
Tgt Ion:178 Resp: 51257
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.4
179 17.0 11.6 17.4





#75
Fluoranthene
Concen: 17.740 ng
RT: 19.369 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

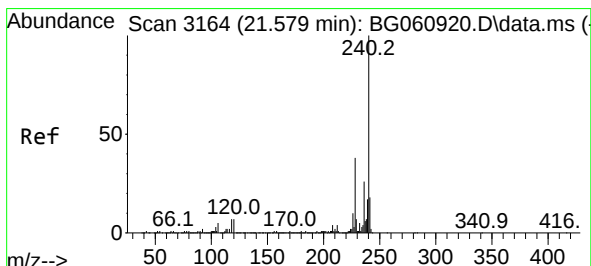
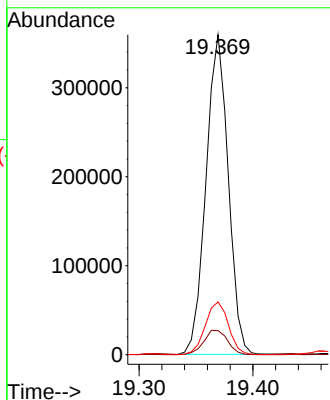
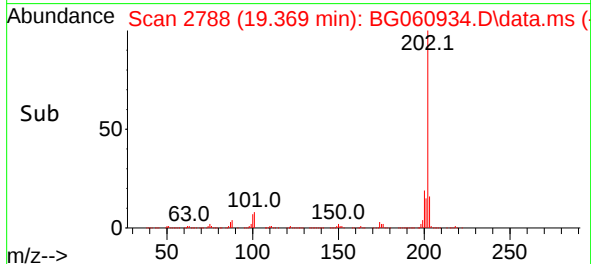
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1



Tgt Ion:202 Resp: 488114
Ion Ratio Lower Upper
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101 7.5 0.0 28.6
203 16.5 0.0 37.3

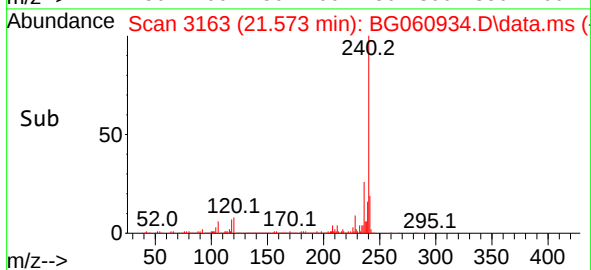
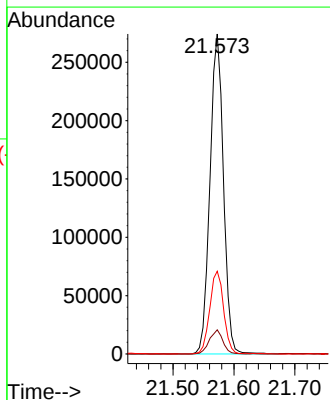
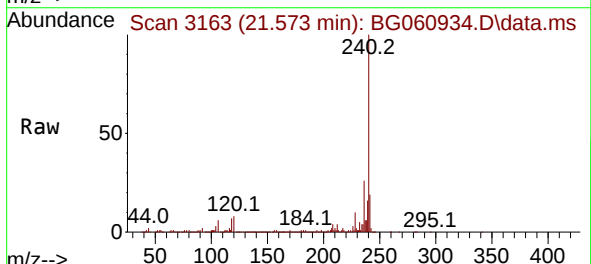
Manual Integrations
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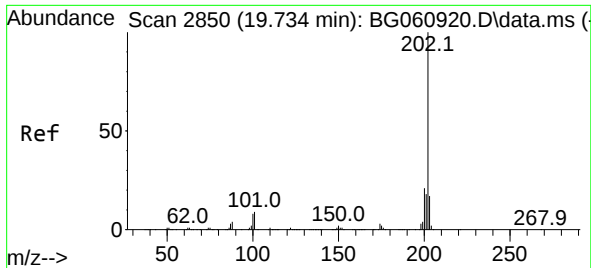
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.573 min Scan# 3163
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

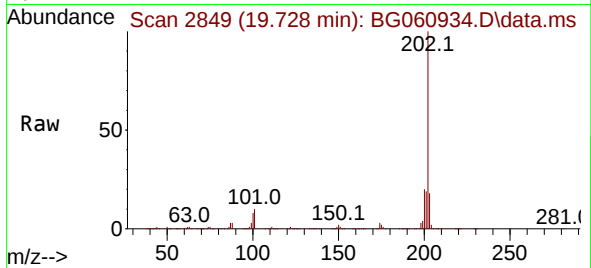
Tgt Ion:240 Resp: 421775
Ion Ratio Lower Upper
240 100
120 7.5 5.7 8.5
236 25.8 21.1 31.7





#78
 Pyrene
 Concen: 14.047 ng
 RT: 19.728 min Scan# 2849
 Delta R.T. -0.006 min
 Lab File: BG060934.D
 Acq: 18 Apr 2024 13:17

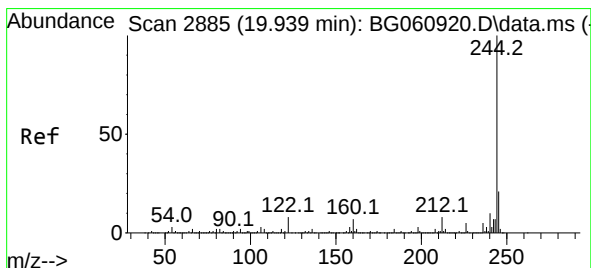
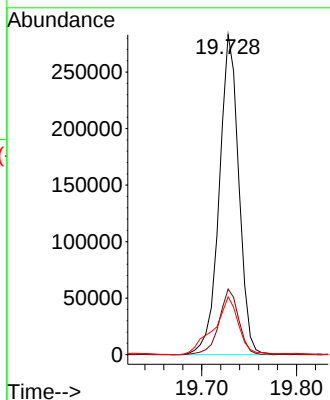
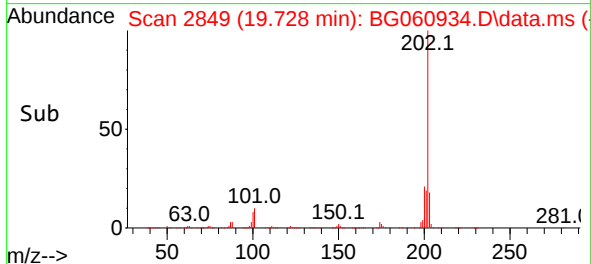
Instrument :
 BNA_G
 ClientSampleId :
 ARCOLA-SP-1



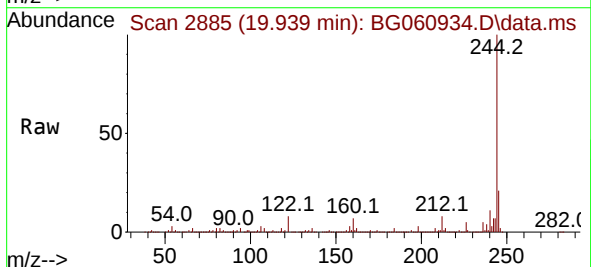
Tgt Ion:202 Resp: 406434
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.7 25.1
 203 18.1 13.8 20.8

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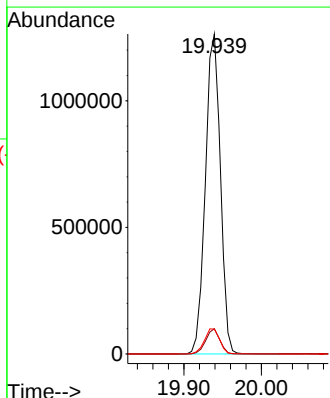
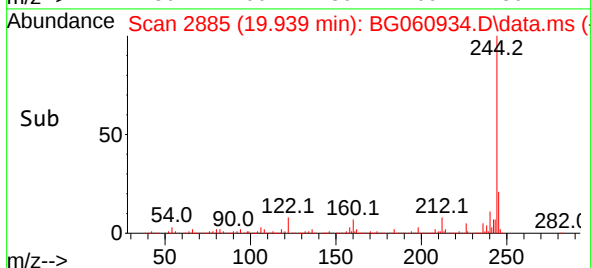
Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

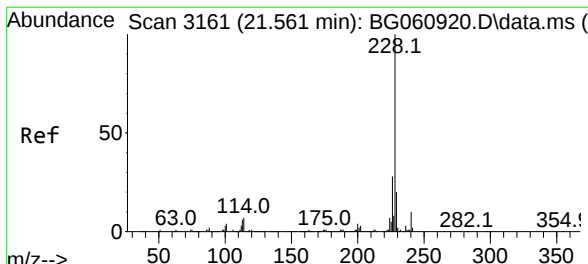


#79
 Terphenyl-d14
 Concen: 70.581 ng
 RT: 19.939 min Scan# 2885
 Delta R.T. 0.000 min
 Lab File: BG060934.D
 Acq: 18 Apr 2024 13:17



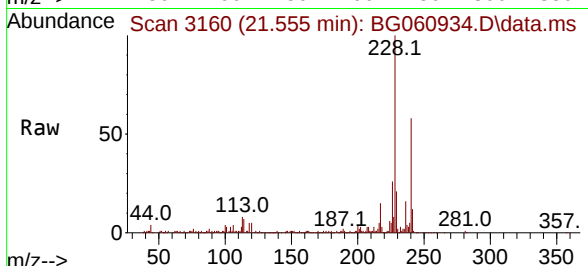
Tgt Ion:244 Resp: 1705743
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.4
 122 7.8 6.6 9.8





#81
Benzo(a)anthracene
Concen: 6.795 ng
RT: 21.555 min Scan# 3160
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

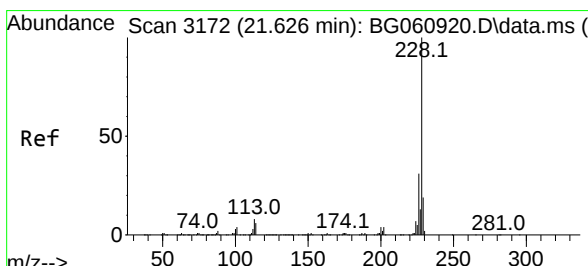
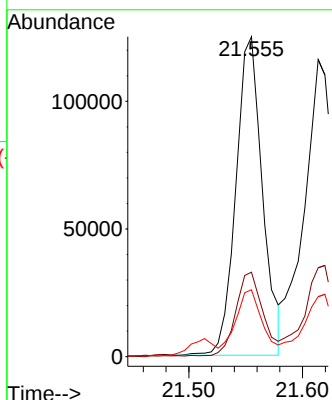
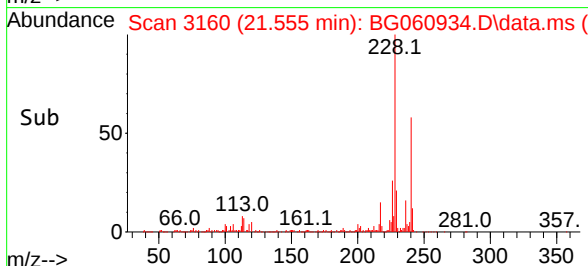
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1



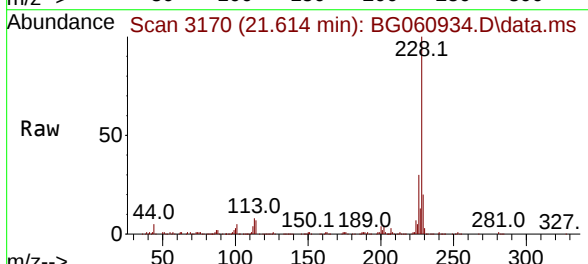
Tgt Ion:228 Resp: 202374
Ion Ratio Lower Upper
228 100
226 26.4 22.0 33.0
229 20.9 15.6 23.4

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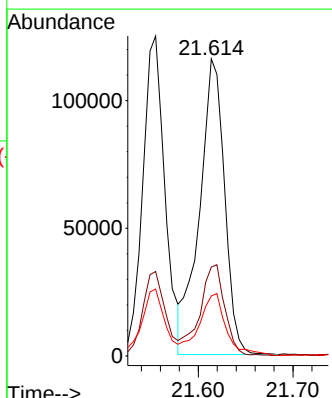
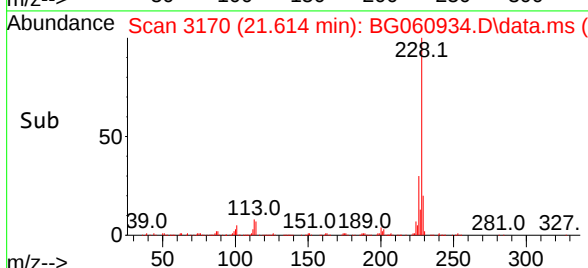
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

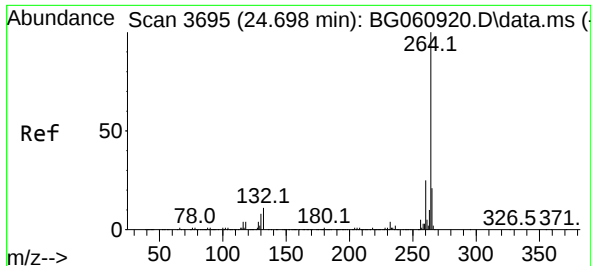


#83
Chrysene
Concen: 7.503 ng
RT: 21.614 min Scan# 3170
Delta R.T. -0.012 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17



Tgt Ion:228 Resp: 213355
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 20.2 15.6 23.4





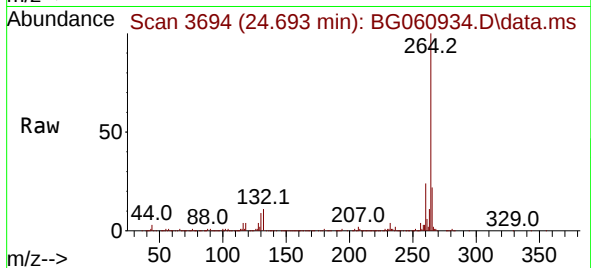
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.693 min Scan# 30
Delta R.T. -0.006 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Instrument :

BNA_G

ClientSampleId :

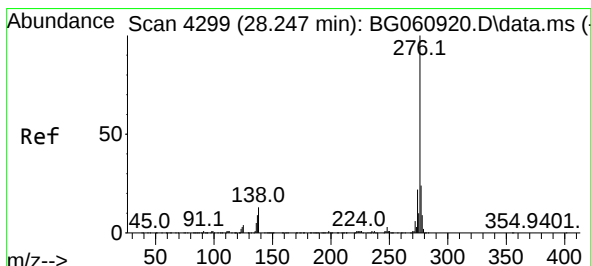
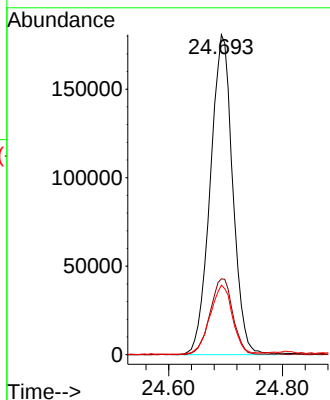
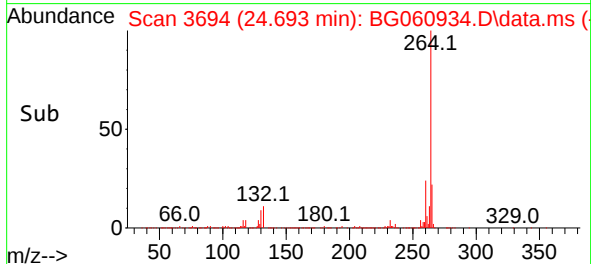
ARCOLA-SP-1



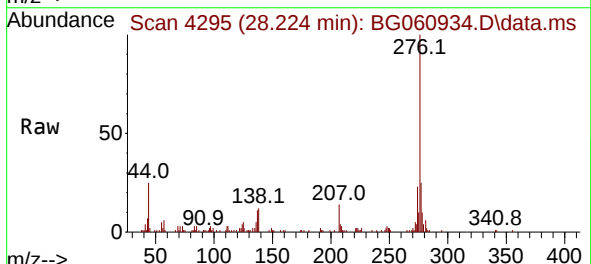
Tgt Ion:264 Resp: 49428
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 21.8 16.6 25.0

Manual Integrations
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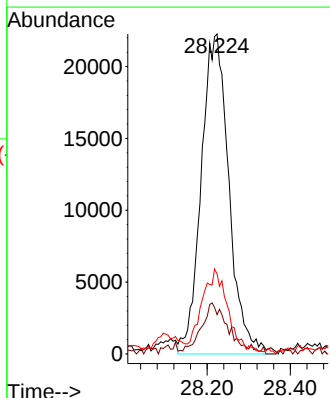
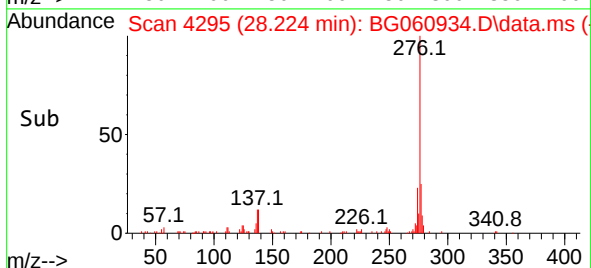
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

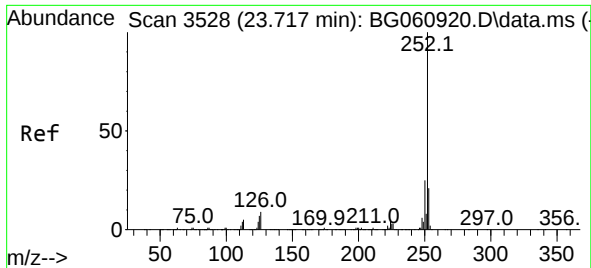


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.018 ng
RT: 28.224 min Scan# 4295
Delta R.T. -0.023 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17



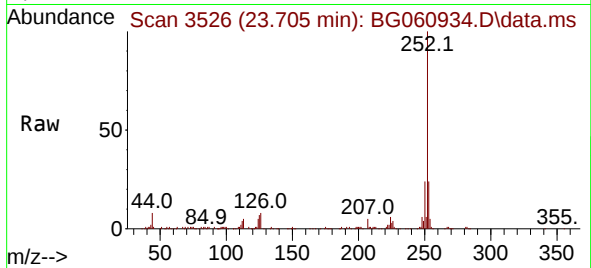
Tgt Ion:276 Resp: 103146
Ion Ratio Lower Upper
276 100
138 13.5 10.8 16.2
277 22.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 8.095 ng
RT: 23.705 min Scan# 3528
Delta R.T. -0.012 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

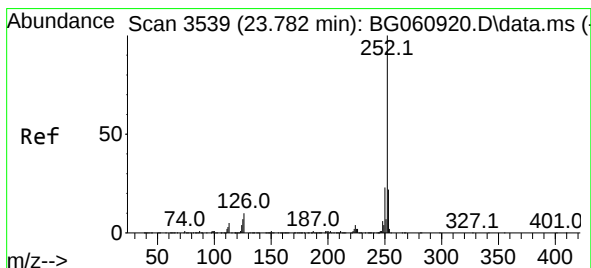
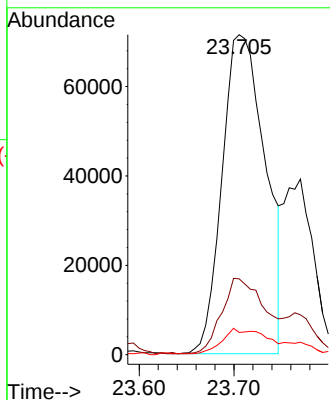
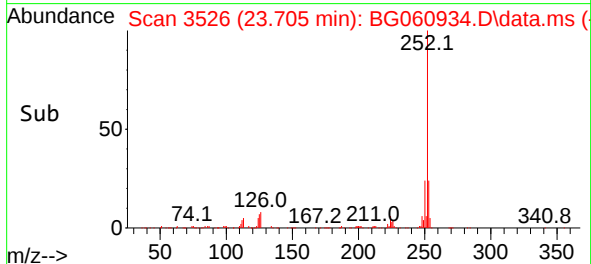
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1



Tgt Ion:252 Resp: 226390
Ion Ratio Lower Upper
252 100
253 23.7 16.8 25.2
125 7.0 5.6 8.4

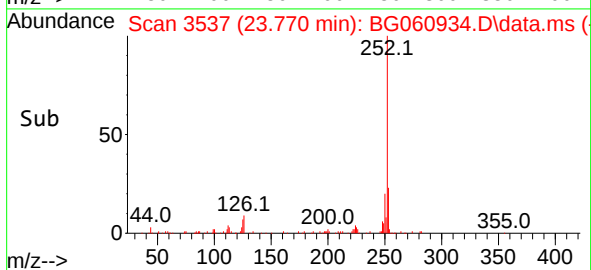
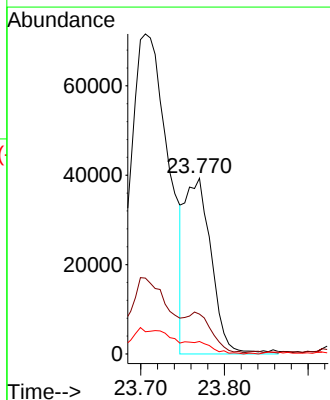
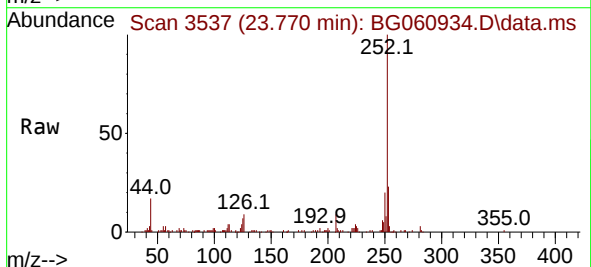
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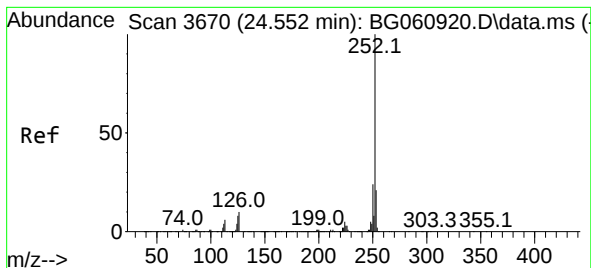
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#89
Benzo(k)fluoranthene
Concen: 3.032 ng m
RT: 23.770 min Scan# 3537
Delta R.T. -0.012 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

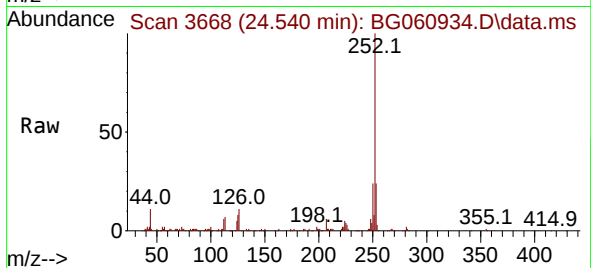
Tgt Ion:252 Resp: 86741
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 7.1 5.8 8.8





#90
Benzo(a)pyrene
Concen: 5.508 ng
RT: 24.540 min Scan# 3668
Delta R.T. -0.012 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

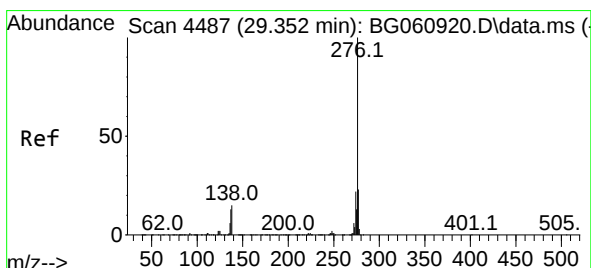
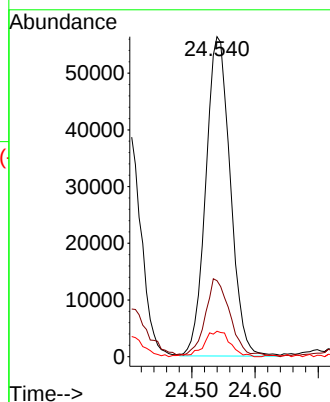
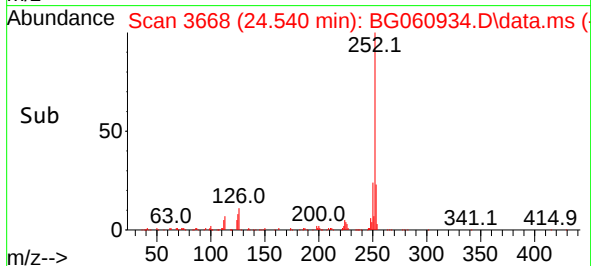
Instrument :
BNA_G
ClientSampleId :
ARCOLA-SP-1



Tgt Ion:252 Resp: 15186
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 8.0 6.1 9.1

Manual Integrations
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Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#92
Benzo(g,h,i)perylene
Concen: 3.409 ng
RT: 29.305 min Scan# 4479
Delta R.T. -0.047 min
Lab File: BG060934.D
Acq: 18 Apr 2024 13:17

Tgt Ion:276 Resp: 93755
Ion Ratio Lower Upper
276 100
277 19.9 18.3 27.5
138 13.6 12.2 18.4

