

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
 Data File : BG060964.D
 Acq On : 19 Apr 2024 18:17
 Operator : MA/JU
 Sample : P2126-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1A

Quant Time: Apr 19 18:51:54 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	31147	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	114684	20.000	ng	# 0.00
39) Acenaphthene-d10	14.570	164	90796	20.000	ng	0.00
64) Phenanthrene-d10	17.314	188	208591	20.000	ng	# 0.00
76) Chrysene-d12	21.573	240	207661	20.000	ng	# 0.00
86) Perylene-d12	24.699	264	254659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	128986	71.932	ng	0.00
7) Phenol-d6	7.108	99	172118	66.629	ng	0.00
23) Nitrobenzene-d5	9.094	82	128600	50.906	ng	0.00
42) 2,4,6-Tribromophenol	16.056	330	141991	94.662	ng	0.00
45) 2-Fluorobiphenyl	13.189	172	335113	54.162	ng	0.00
79) Terphenyl-d14	19.934	244	642238	53.975	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.355	178	218577	20.702	ng	97
72) Anthracene	17.443	178	45584	4.203	ng	97
73) Carbazole	17.713	167	23350	2.471	ng	99
75) Fluoranthene	19.370	202	464997	34.601	ng	96
78) Pyrene	19.729	202	388893	27.300	ng	98
81) Benzo(a)anthracene	21.556	228	241521	16.470	ng	98
83) Chrysene	21.620	228	214733	15.337	ng	98
87) Indeno(1,2,3-cd)pyrene	28.230	276	141639	8.043	ng	# 90
88) Benzo(b)fluoranthene	23.712	252	298246	20.700	ng	# 96
89) Benzo(k)fluoranthene	23.771	252	109343m	7.418	ng	
90) Benzo(a)pyrene	24.546	252	214680m	15.112	ng	
91) Dibenzo(a,h)anthracene	28.283	278	38672m	2.668	ng	
92) Benzo(g,h,i)perylene	29.335	276	139976m	9.877	ng	

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

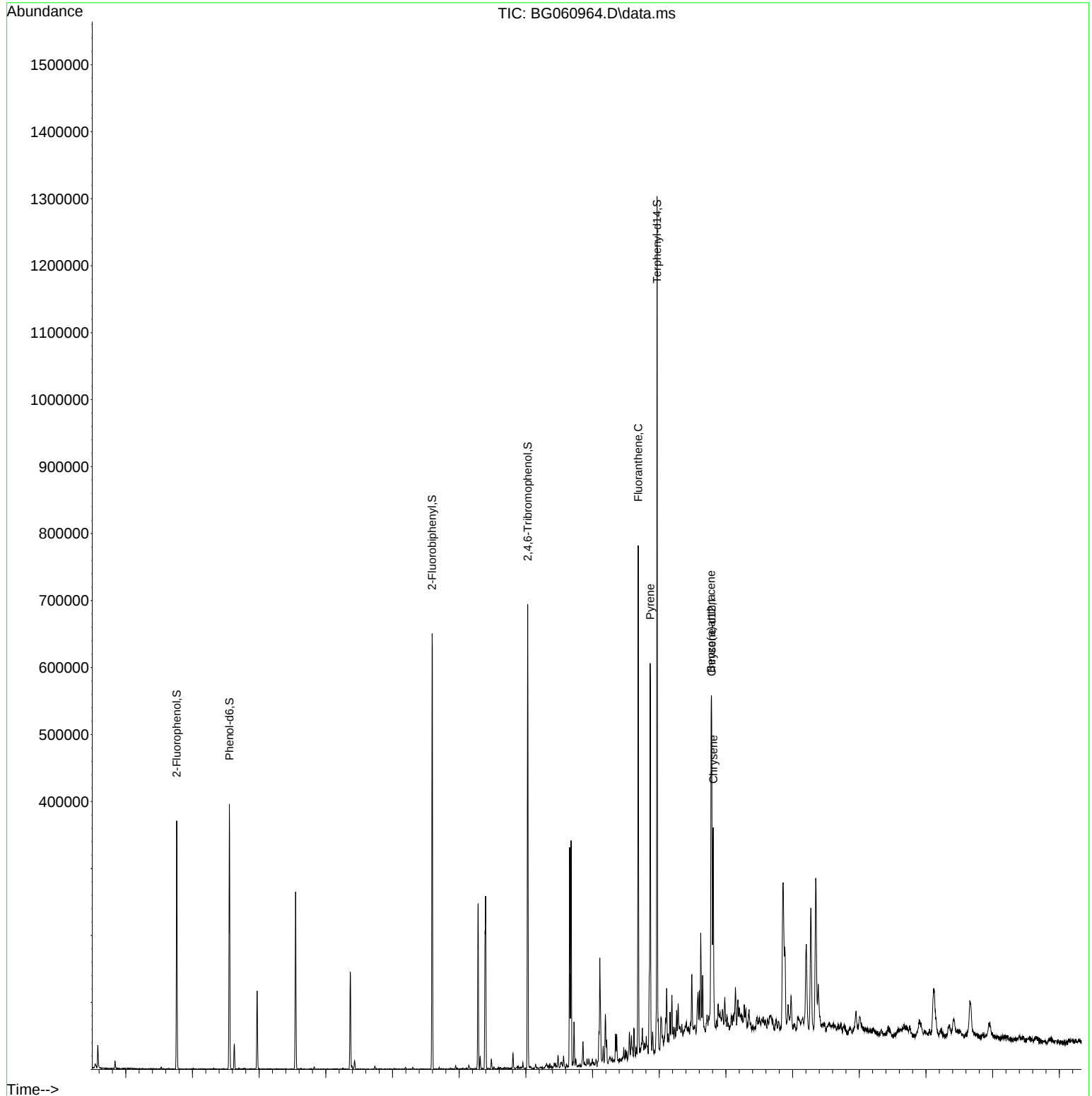
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
Data File : BG060964.D
Acq On : 19 Apr 2024 18:17
Operator : MA/JU
Sample : P2126-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

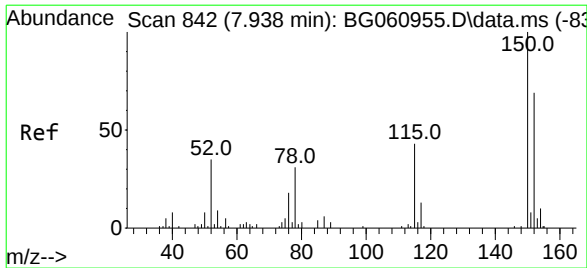
Instrument :
BNA_G
ClientSampleId :
SP-1A

Quant Time: Apr 19 18:51:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
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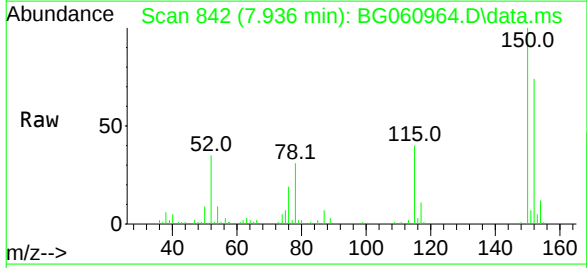
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 842
Delta R.T. -0.006 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

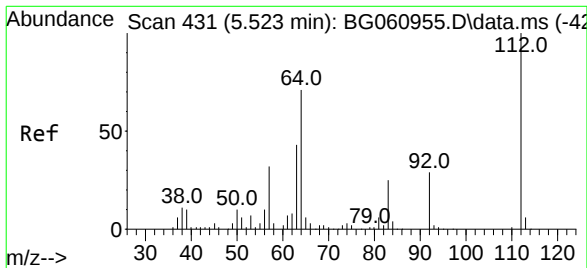
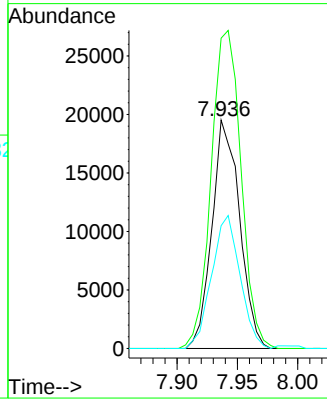
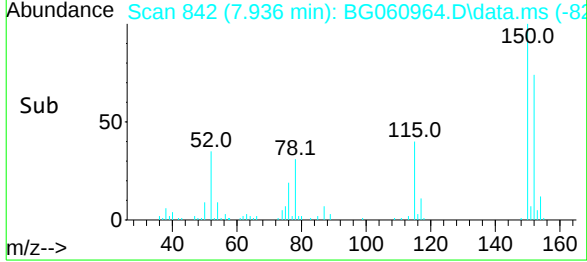
Instrument :
BNA_G
ClientSampleId :
SP-1A



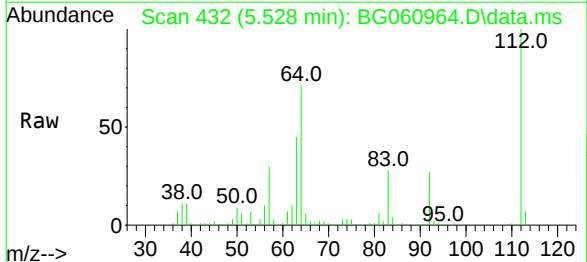
Tgt Ion:152 Resp: 31147
Ion Ratio Lower Upper
152 100
150 135.9 125.6 188.4
115 53.8 47.1 70.7

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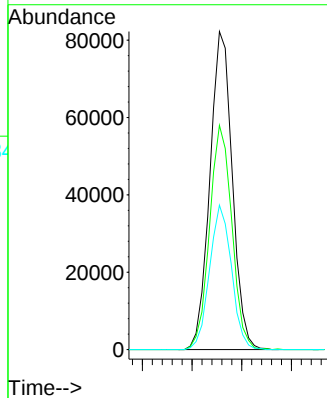
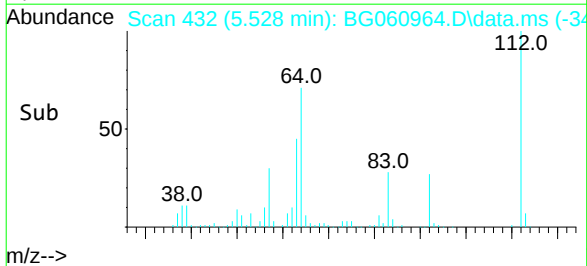
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

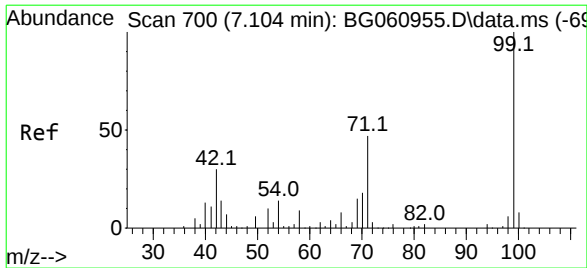


#5
2-Fluorophenol
Concen: 71.932 ng
RT: 5.528 min Scan# 432
Delta R.T. 0.001 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17



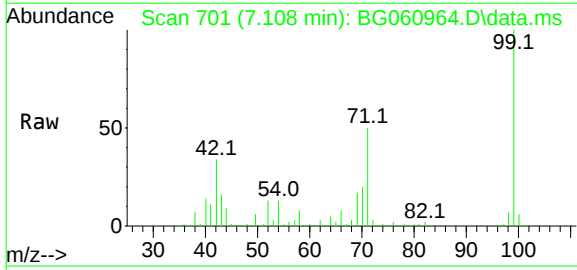
Tgt Ion:112 Resp: 128986
Ion Ratio Lower Upper
112 100
64 70.5 58.9 88.3
63 45.4 32.1 48.1





#7
Phenol-d6
Concen: 66.629 ng
RT: 7.108 min Scan# 700
Delta R.T. 0.001 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

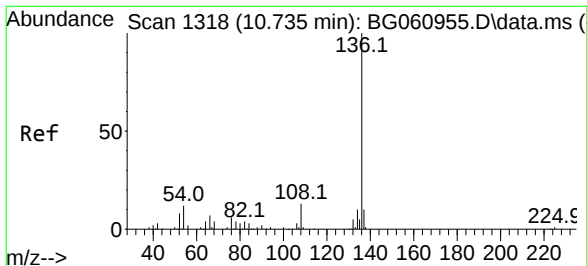
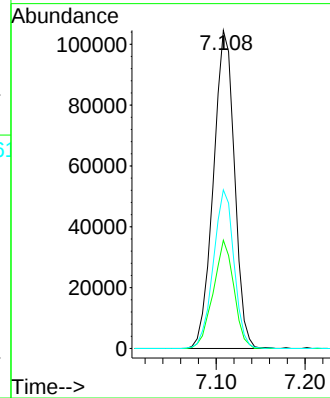
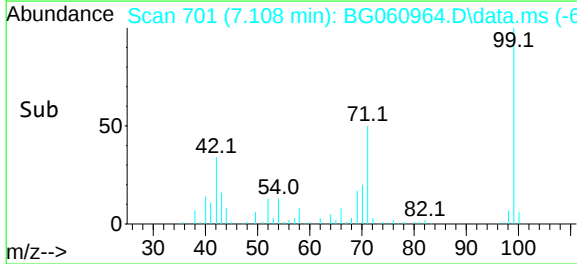
Instrument :
BNA_G
ClientSampleId :
SP-1A



Tgt Ion: 99 Resp: 172118
Ion Ratio Lower Upper
99 100
42 34.0 22.2 33.2#
71 49.9 30.5 45.7#

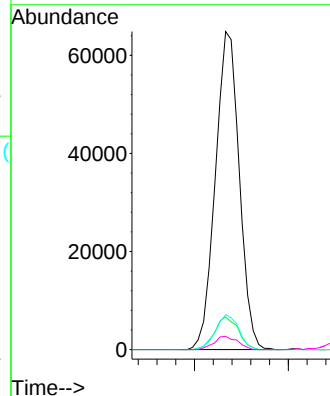
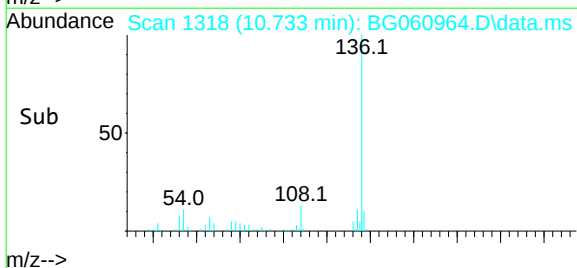
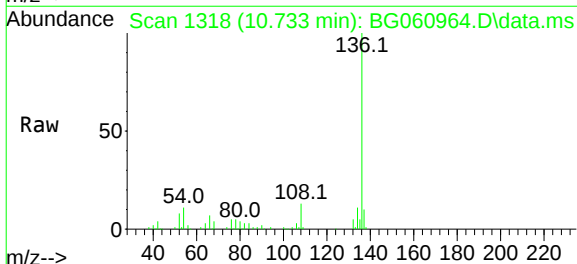
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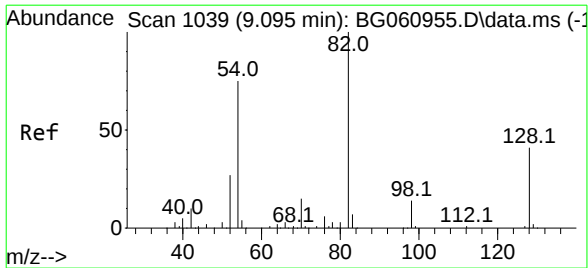
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Tgt Ion:136 Resp: 114684
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 11.0 9.8 14.8
68 4.2 5.0 7.4#





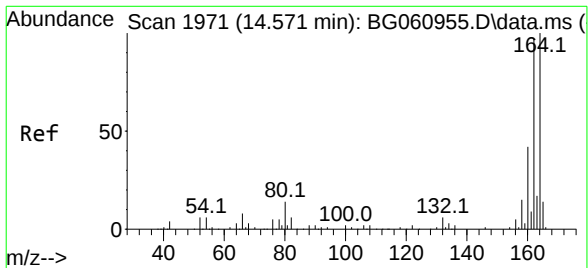
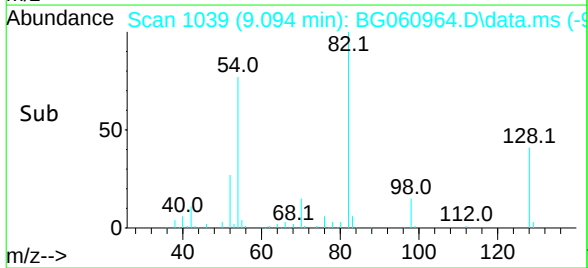
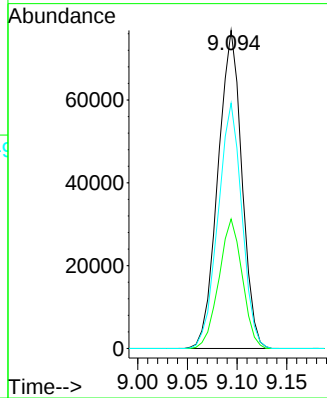
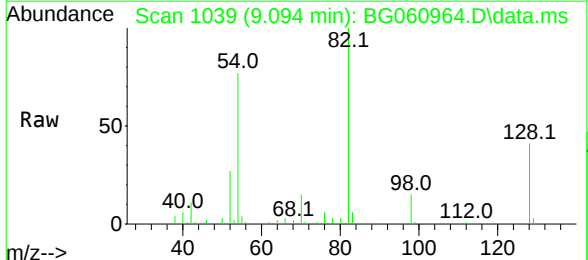
#23
Nitrobenzene-d5
Concen: 50.906 ng
RT: 9.094 min Scan# 1039
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Instrument :
BNA_G
ClientSampleId :
SP-1A

Tgt Ion: 82 Resp: 128600
Ion Ratio Lower Upper
82 100
128 40.7 31.4 47.0
54 77.1 54.2 81.4

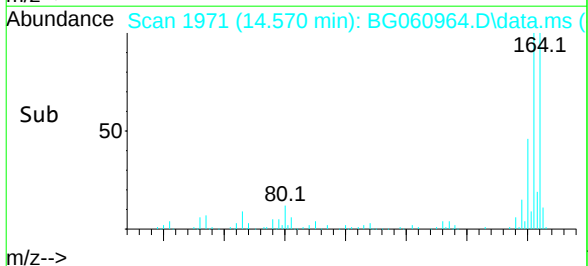
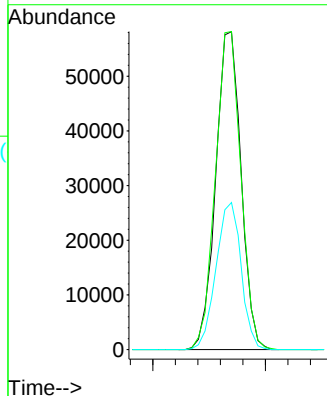
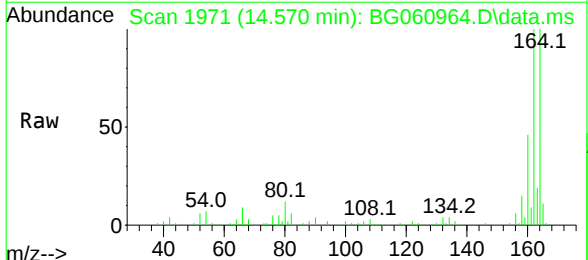
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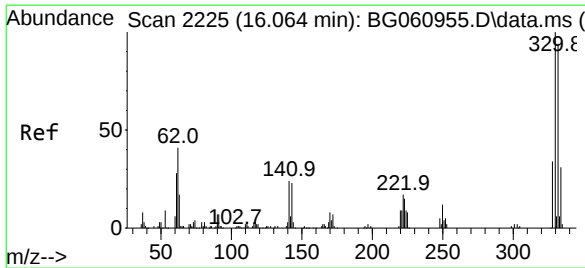
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.570 min Scan# 1971
Delta R.T. 0.001 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Tgt Ion:164 Resp: 90796
Ion Ratio Lower Upper
164 100
162 100.0 84.1 126.1
160 46.3 35.9 53.9





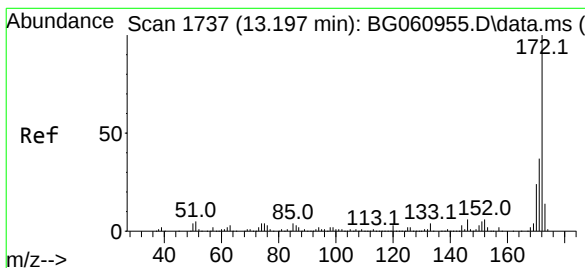
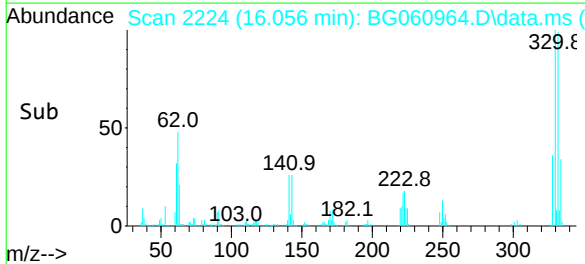
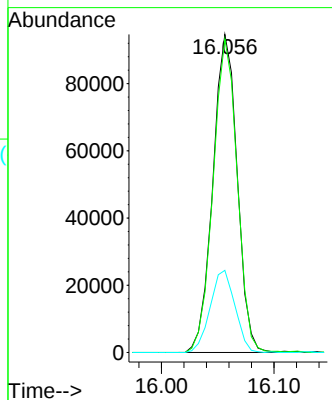
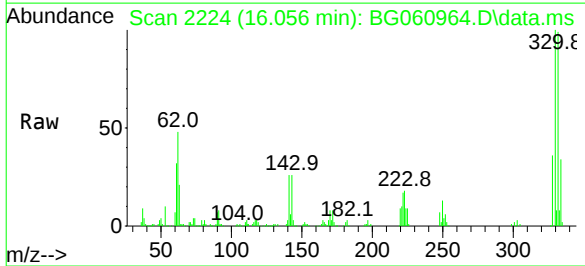
#42
2,4,6-Tribromophenol
Concen: 94.662 ng
RT: 16.056 min Scan# 2225
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Instrument :
BNA_G
ClientSampleId :
SP-1A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.9	115.3
141	26.4	23.7	35.5

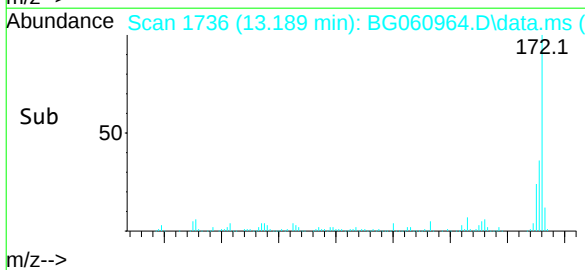
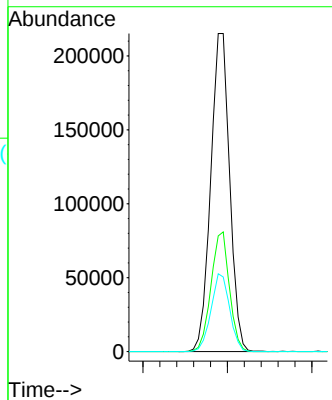
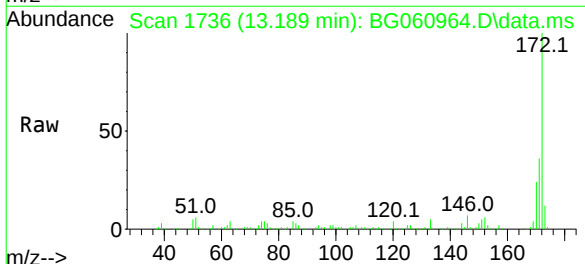
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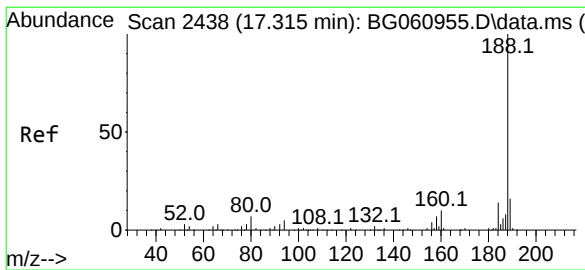
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#45
2-Fluorobiphenyl
Concen: 54.162 ng
RT: 13.189 min Scan# 1736
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

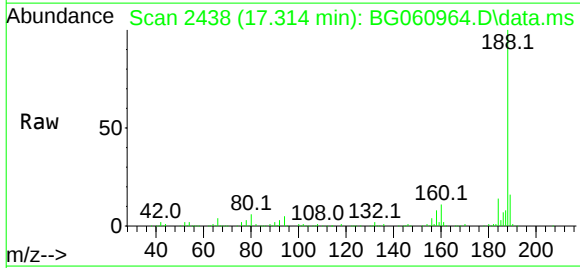
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.3	43.9
170	24.5	19.5	29.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.314 min Scan# 2438
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

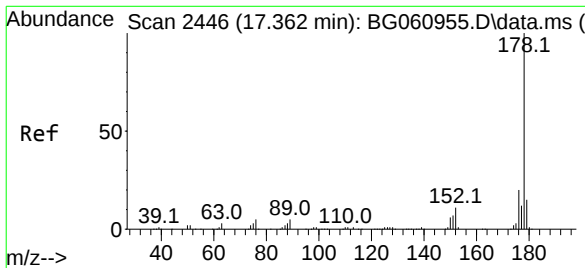
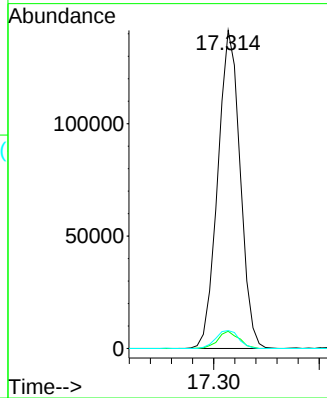
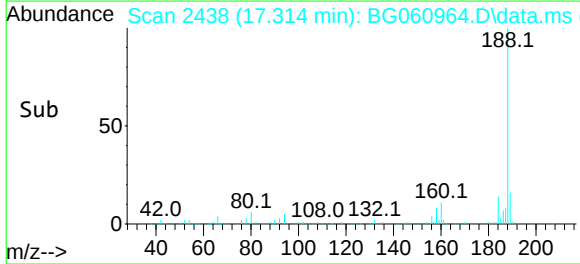
Instrument :
BNA_G
ClientSampleId :
SP-1A



Tgt Ion:188 Resp: 208591
Ion Ratio Lower Upper
188 100
94 5.4 5.7 8.5#
80 5.6 6.6 9.8#

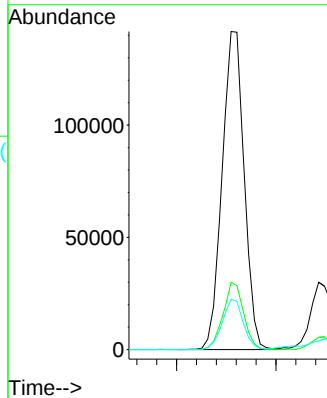
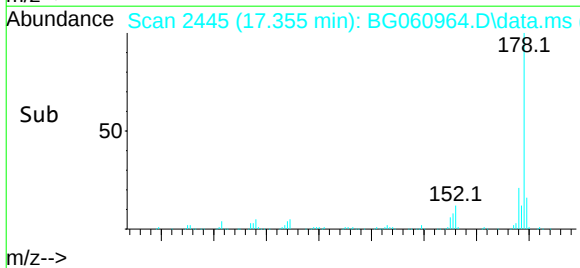
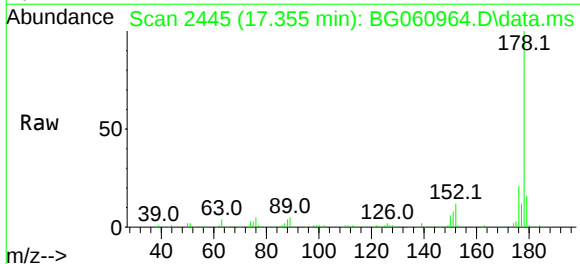
Manual Integrations
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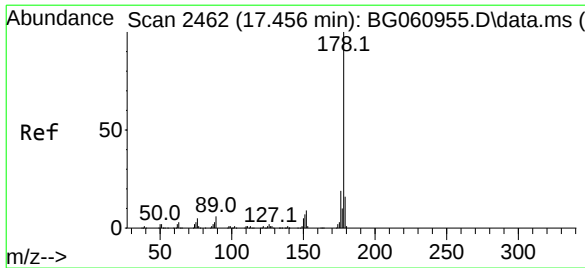
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#71
Phenanthrene
Concen: 20.702 ng
RT: 17.355 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

Tgt Ion:178 Resp: 218577
Ion Ratio Lower Upper
178 100
176 21.2 15.4 23.2
179 15.8 12.0 18.0





#72

Anthracene

Concen: 4.203 ng

RT: 17.443 min Scan# 24

Delta R.T. -0.011 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

SP-1A

Tgt Ion:178 Resp: 45584

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

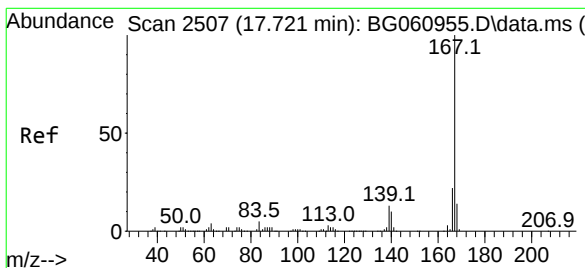
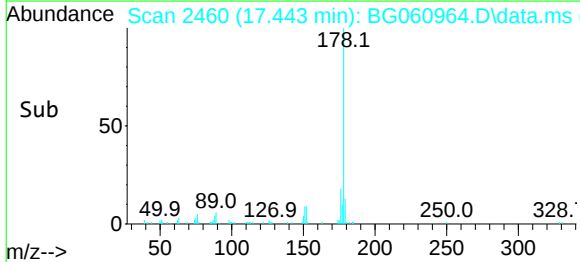
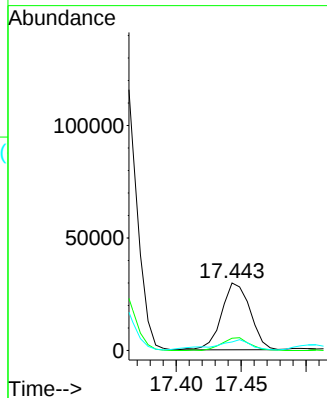
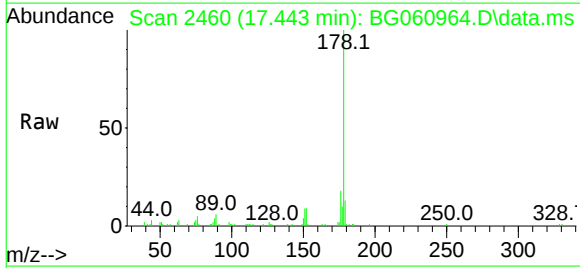
179 12.6 11.6 17.4

Manual Integrations

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Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#73

Carbazole

Concen: 2.471 ng

RT: 17.713 min Scan# 2506

Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

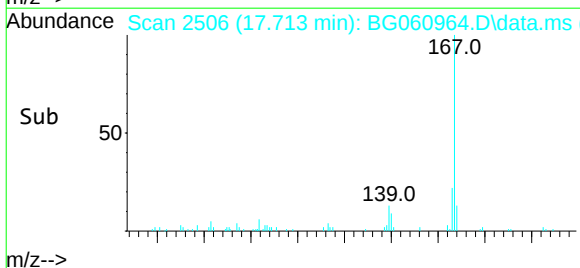
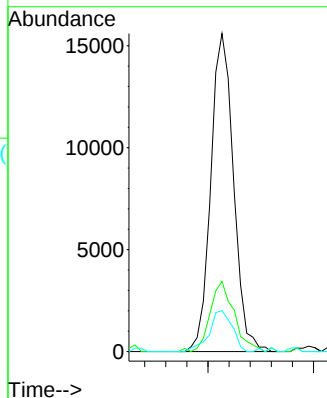
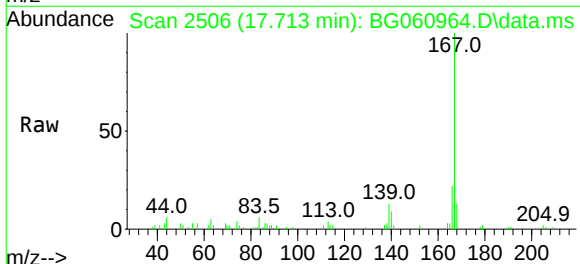
Tgt Ion:167 Resp: 23350

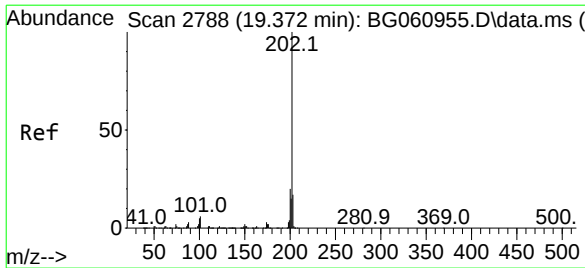
Ion Ratio Lower Upper

167 100

166 22.1 18.4 27.6

139 12.9 10.1 15.1





#75

Fluoranthene

Concen: 34.601 ng

RT: 19.370 min Scan# 27

Delta R.T. 0.001 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

SP-1A

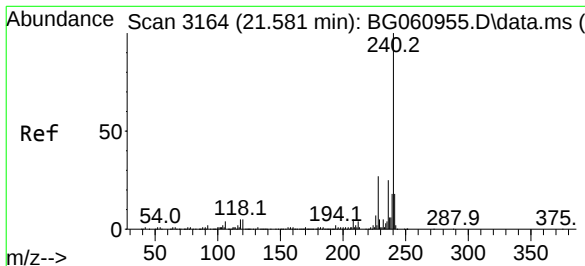
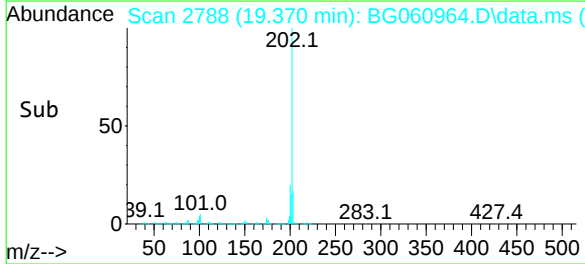
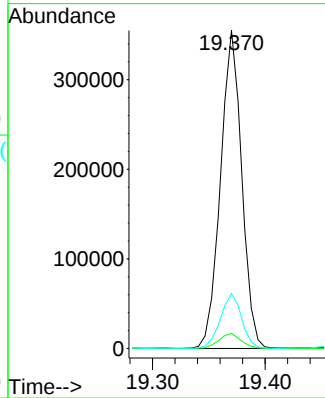
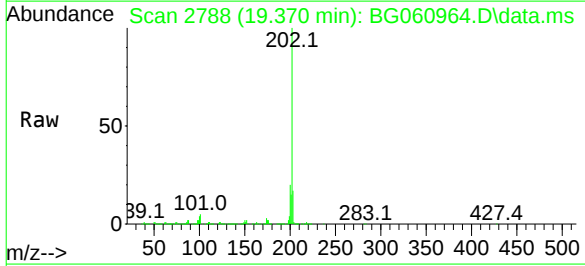
Tgt Ion:	202	Resp:	464997
Ion Ratio	Lower	Upper	
202	100		
101	4.8	0.0	28.6
203	17.2	0.0	37.3

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

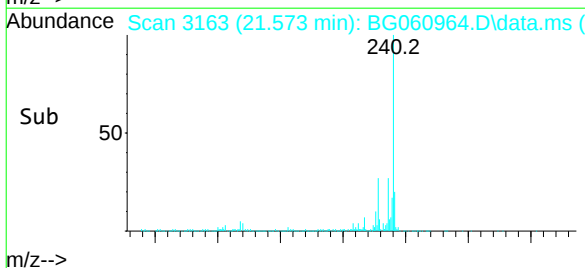
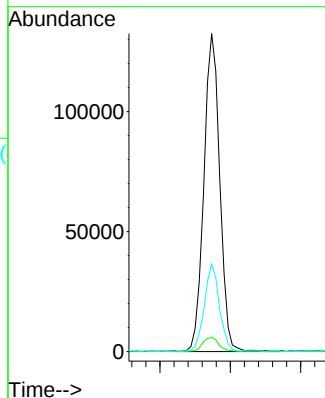
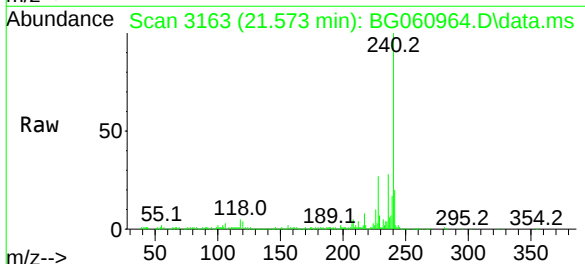
RT: 21.573 min Scan# 3163

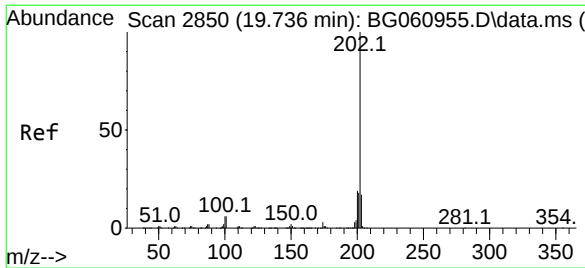
Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Tgt Ion:	240	Resp:	207661
Ion Ratio	Lower	Upper	
240	100		
120	4.4	5.7	8.5#
236	27.6	21.1	31.7





#78

Pyrene

Concen: 27.300 ng

RT: 19.729 min Scan# 28

Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

SP-1A

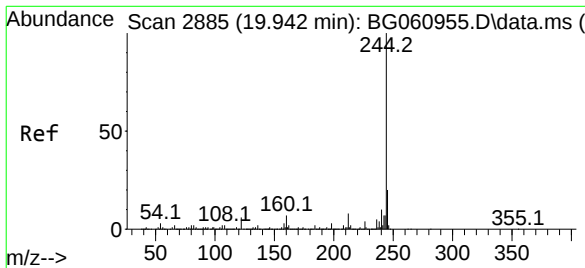
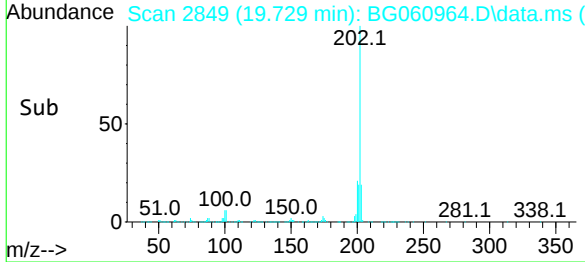
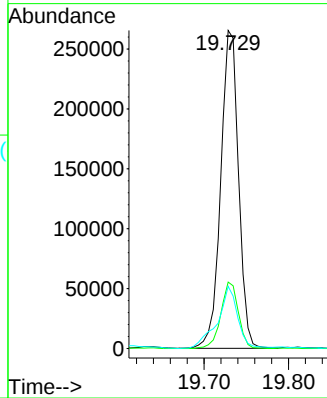
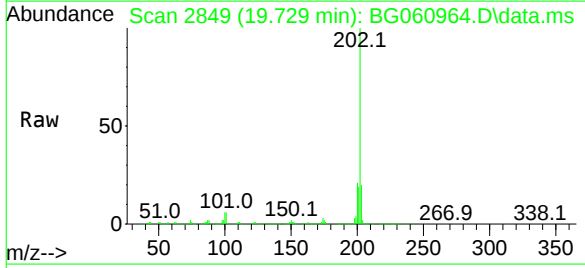
Tgt	Ion:202	Resp:	388893
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	19.5	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#79

Terphenyl-d14

Concen: 53.975 ng

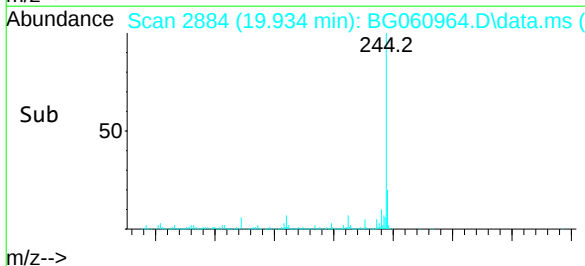
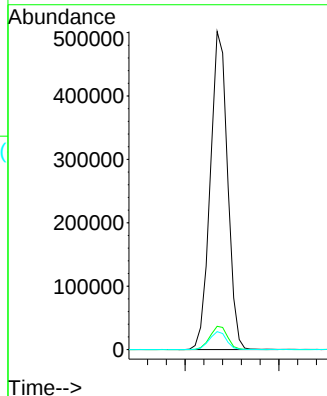
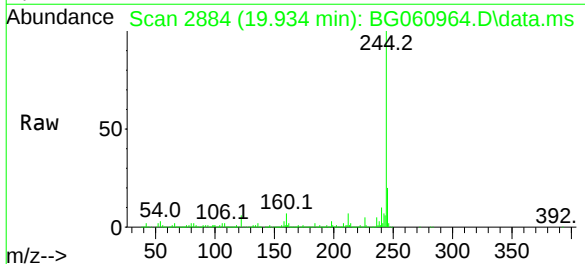
RT: 19.934 min Scan# 2884

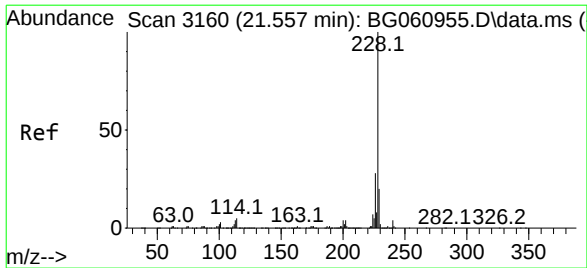
Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Tgt	Ion:244	Resp:	642238
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	5.7	6.6	9.8#





#81

Benzo(a)anthracene

Concen: 16.470 ng

RT: 21.556 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

SP-1A

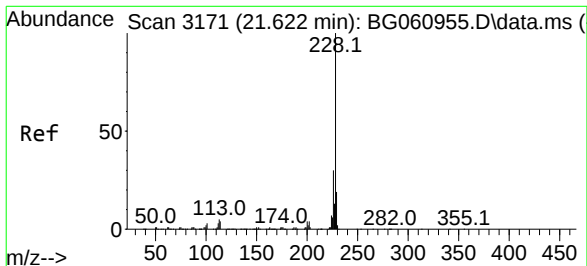
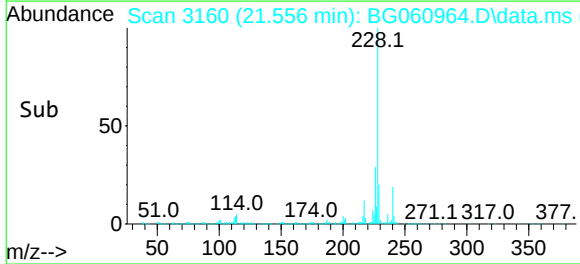
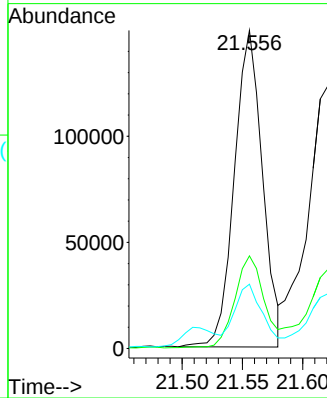
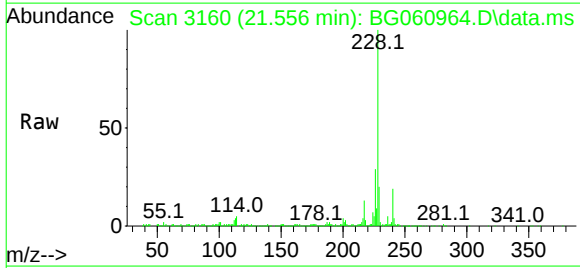
Tgt Ion:	228	Resp:	241521
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.0	33.0
229	20.2	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#83

Chrysene

Concen: 15.337 ng

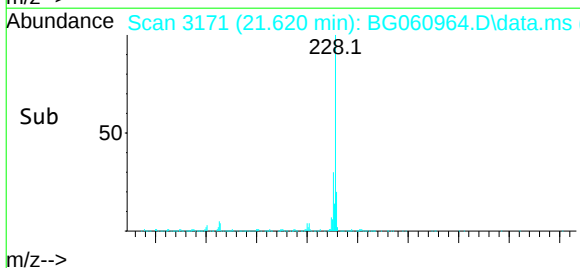
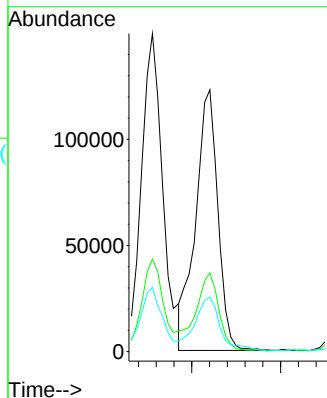
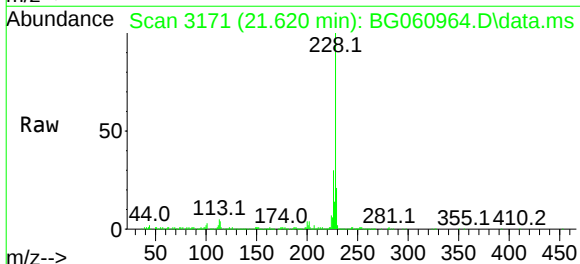
RT: 21.620 min Scan# 3171

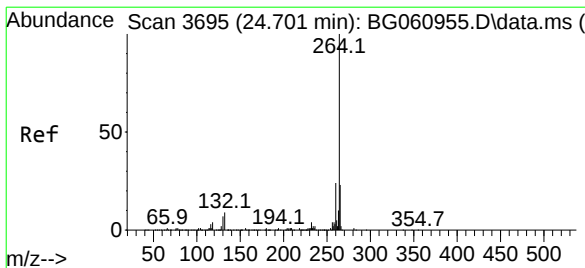
Delta R.T. -0.005 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

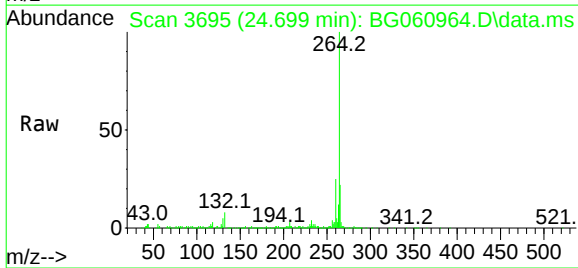
Tgt Ion:	228	Resp:	214733
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.4	36.6
229	20.8	15.6	23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.699 min Scan# 3695
Delta R.T. 0.001 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17

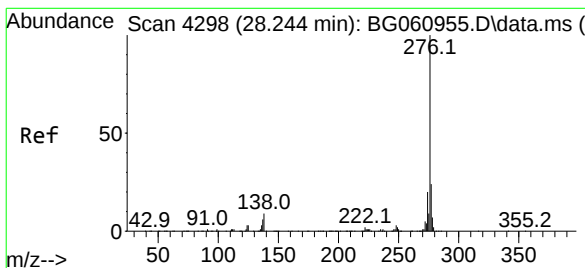
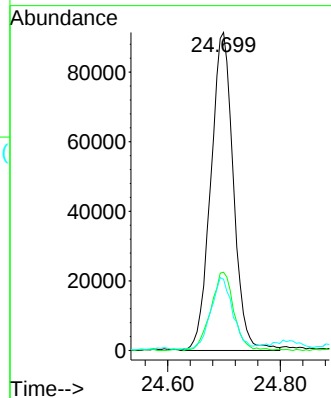
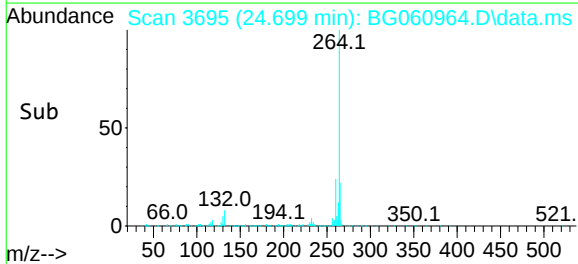
Instrument :
BNA_G
ClientSampleId :
SP-1A



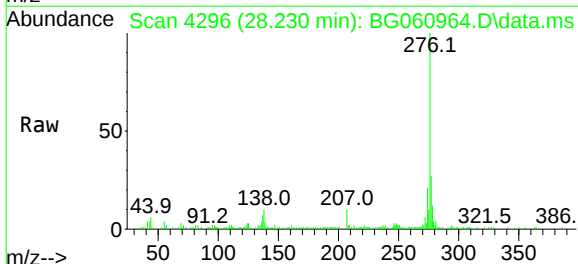
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.4	16.6	25.0

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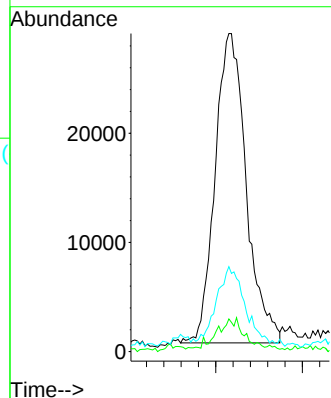
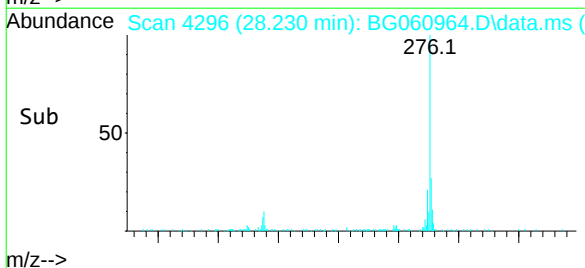
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

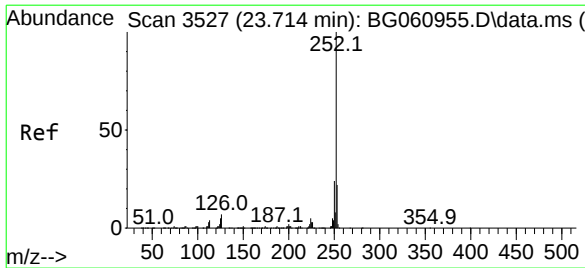


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.043 ng
RT: 28.230 min Scan# 4296
Delta R.T. -0.017 min
Lab File: BG060964.D
Acq: 19 Apr 2024 18:17



Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.2	10.8	16.2
277	22.9	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 20.700 ng

RT: 23.712 min Scan# 3527

Delta R.T. -0.005 min

Lab File: BG060964.D

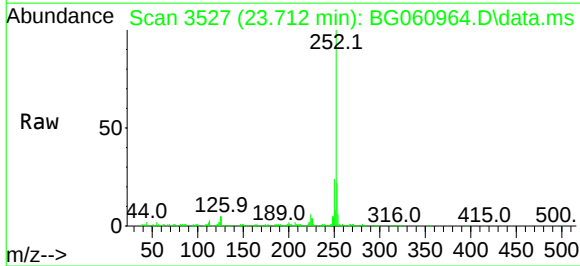
Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

SP-1A



Tgt Ion:252 Resp: 298246

Ion Ratio Lower Upper

252 100

253 22.3 16.8 25.2

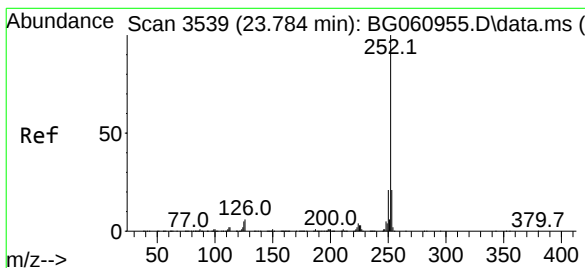
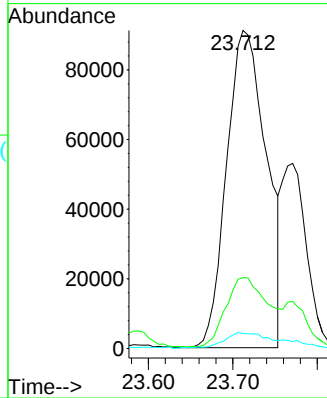
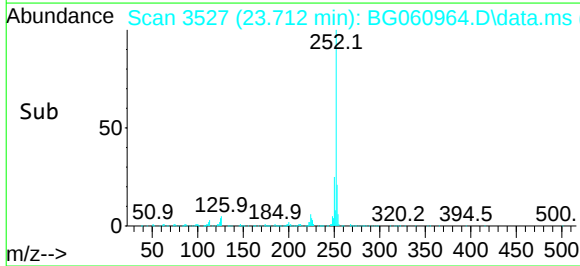
125 4.7 5.6 8.4#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#89

Benzo(k)fluoranthene

Concen: 7.418 ng m

RT: 23.771 min Scan# 3537

Delta R.T. -0.011 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

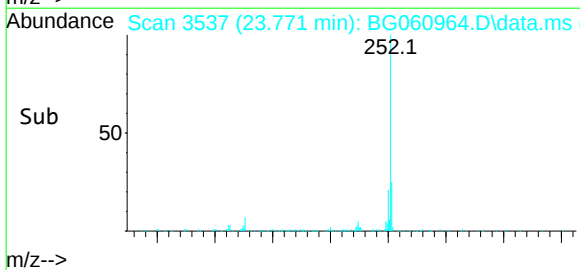
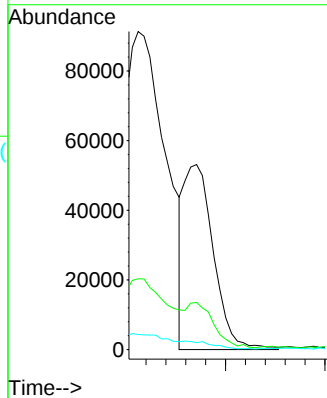
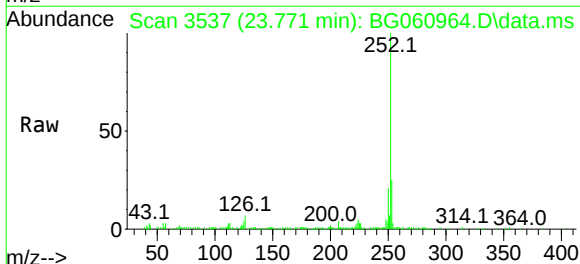
Tgt Ion:252 Resp: 109343

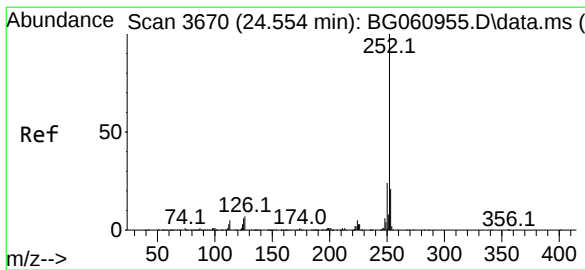
Ion Ratio Lower Upper

252 100

253 25.5 17.9 26.9

125 3.8 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 15.112 ng m

RT: 24.546 min Scan# 36

Delta R.T. -0.005 min

Lab File: BG060964.D

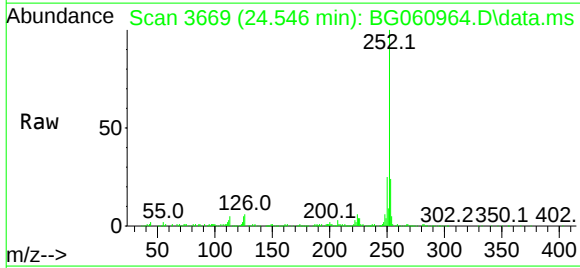
Acq: 19 Apr 2024 18:17

Instrument :

BNA_G

ClientSampleId :

SP-1A

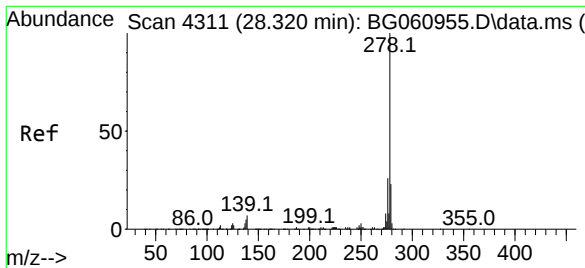
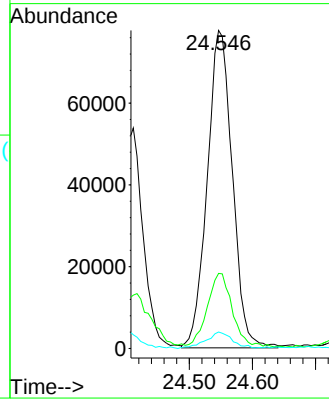
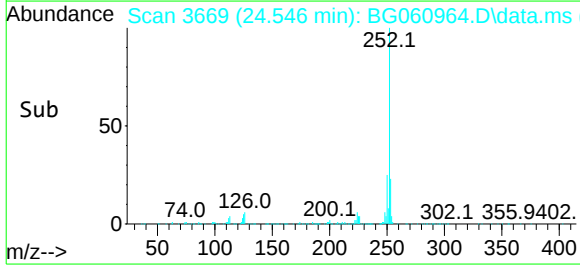


Tgt Ion:	252	Resp:	214680
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	5.2	6.1	9.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.668 ng m

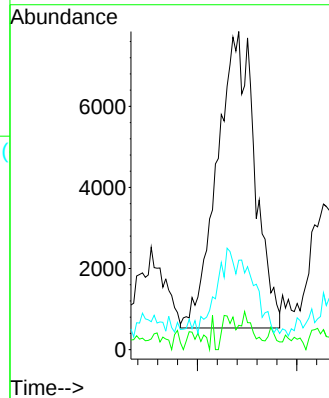
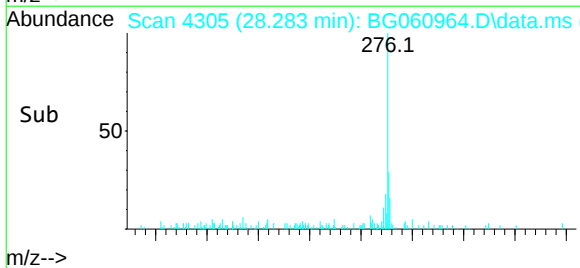
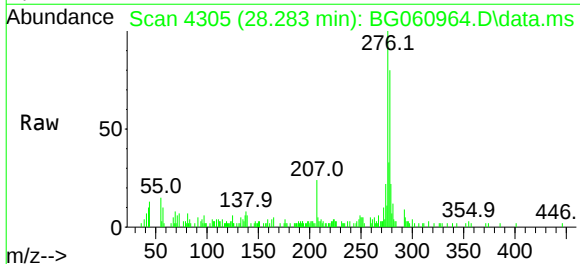
RT: 28.283 min Scan# 4305

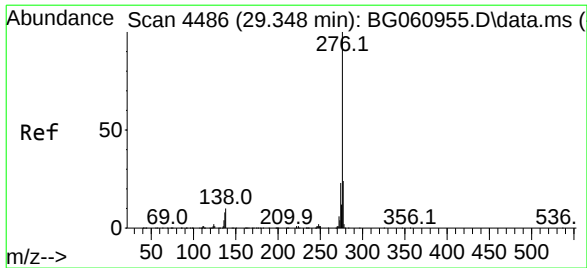
Delta R.T. -0.034 min

Lab File: BG060964.D

Acq: 19 Apr 2024 18:17

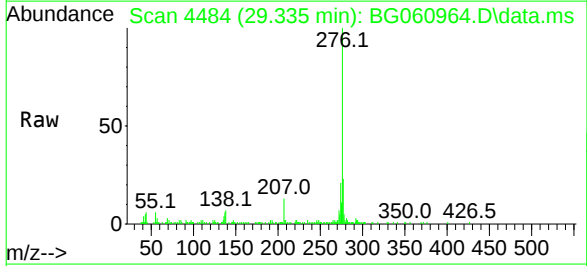
Tgt Ion:	278	Resp:	38672
Ion Ratio	Lower	Upper	
278	100		
139	7.6	8.6	12.8
279	28.1	19.4	29.2





#92
 Benzo(g,h,i)perylene
 Concen: 9.877 ng m
 RT: 29.335 min Scan# 44
 Delta R.T. -0.017 min
 Lab File: BG060964.D
 Acq: 19 Apr 2024 18:17

Instrument :
 BNA_G
 ClientSampleId :
 SP-1A



Tgt	Ion:276	Resp:	139976
Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.3	27.5
138	7.2	12.2	18.4

Manual Integrations
 APPROVED

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

