

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061044.D
 Acq On : 25 Apr 2024 19:26
 Operator : MA/JU
 Sample : P2262-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-03-04242024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 26 01:18:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	31483	20.000	ng	0.00
21) Naphthalene-d8	10.744	136	115679	20.000	ng	# 0.00
39) Acenaphthene-d10	14.575	164	81222	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	176878	20.000	ng	0.00
76) Chrysene-d12	21.584	240	185619	20.000	ng	0.00
86) Perylene-d12	24.716	264	161982m	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	25637	16.471	ng	0.01
7) Phenol-d6	7.113	99	33424	14.473	ng	0.00
23) Nitrobenzene-d5	9.099	82	24144	9.377	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	24425	13.694	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	64667	11.019	ng	0.00
79) Terphenyl-d14	19.945	244	119311	9.977	ng	0.00
Target Compounds						
71) Phenanthrene	17.366	178	29296m	3.245	ng	Qvalue
75) Fluoranthene	19.381	202	123345	10.294	ng	96
78) Pyrene	19.739	202	122330	9.679	ng	95
81) Benzo(a)anthracene	21.567	228	66388	5.087	ng	# 90
83) Chrysene	21.625	228	64860m	5.220	ng	
88) Benzo(b)fluoranthene	23.735	252	59206	6.450	ng	# 87
89) Benzo(k)fluoranthene	23.788	252	32329m	3.489	ng	
90) Benzo(a)pyrene	24.569	252	42638m	4.799	ng	

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

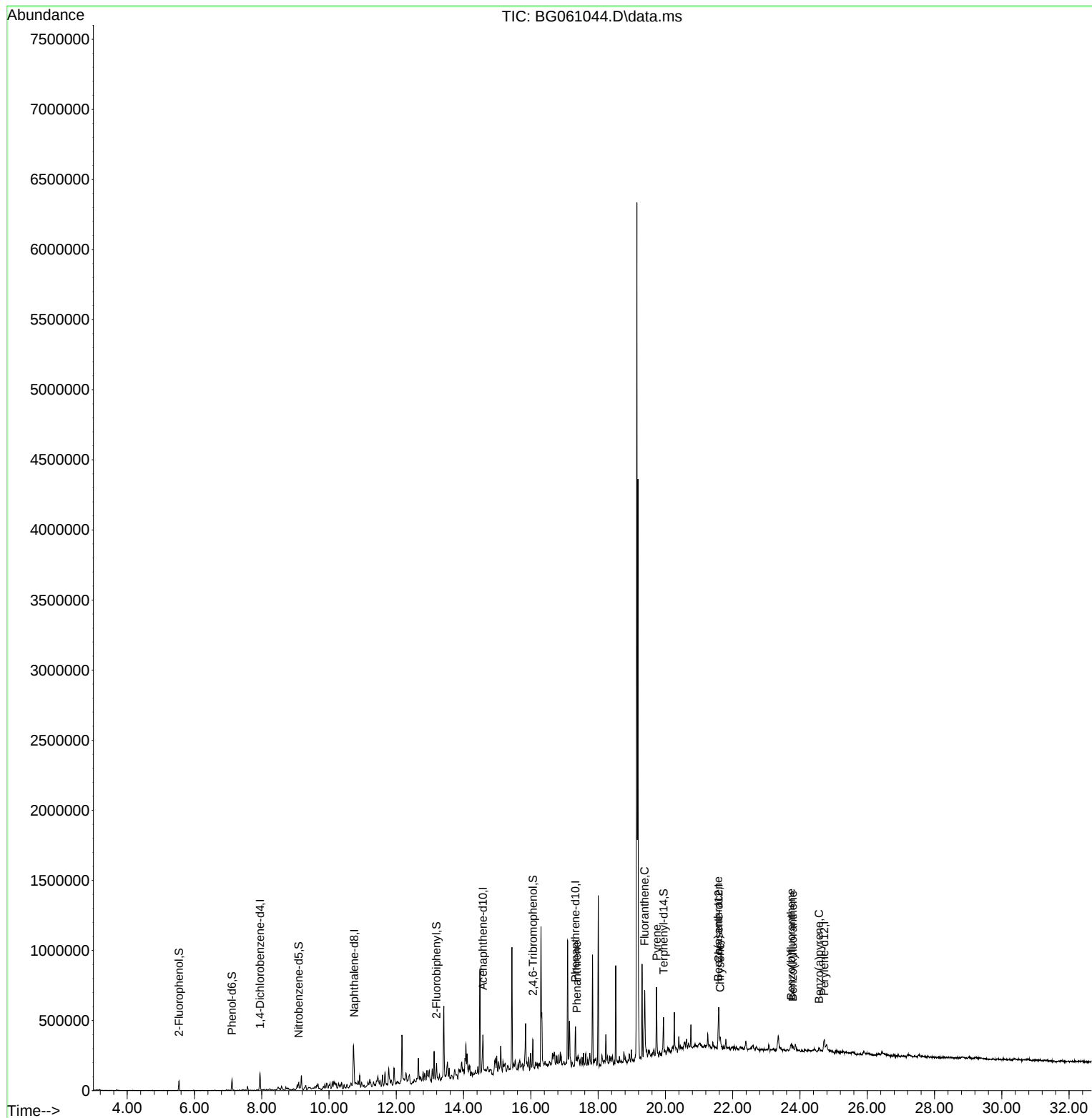
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061044.D
Acq On : 25 Apr 2024 19:26
Operator : MA/JU
Sample : P2262-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

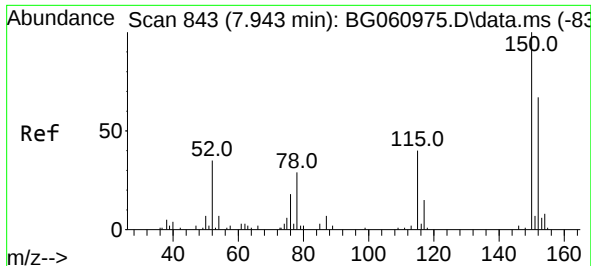
Instrument :
BNA_G
ClientSampleId :
HR-03-04242024

Quant Time: Apr 26 01:18:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
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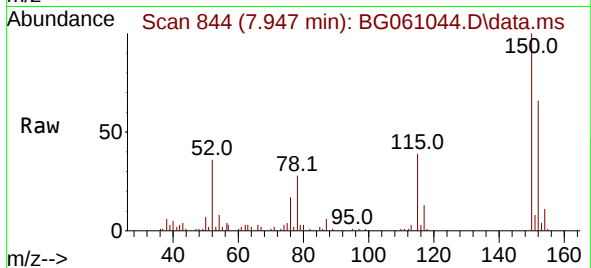
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 843
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024



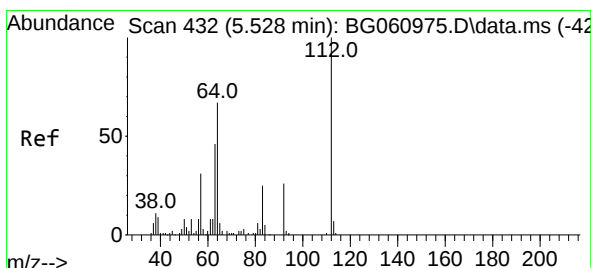
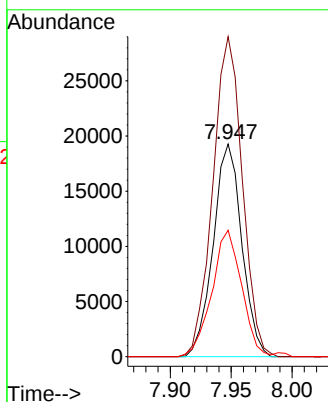
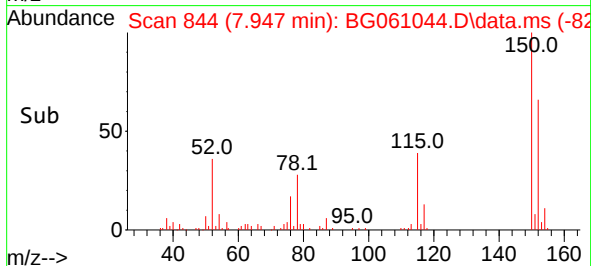
Tgt Ion:152 Resp: 3148
Ion Ratio Lower Upper
152 100
150 150.5 118.6 178.0
115 59.4 47.4 71.0

Manual Integrations

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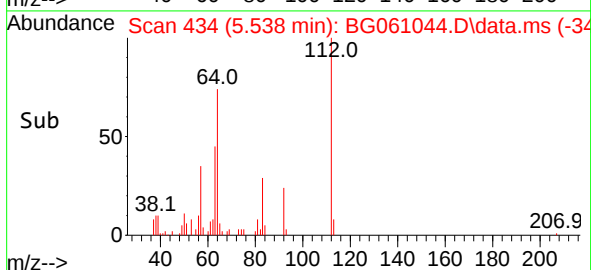
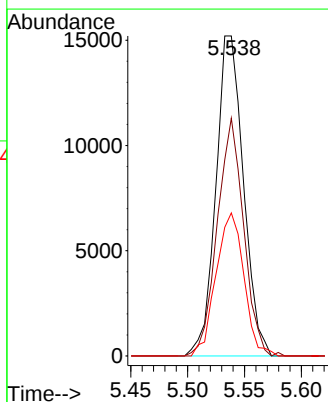
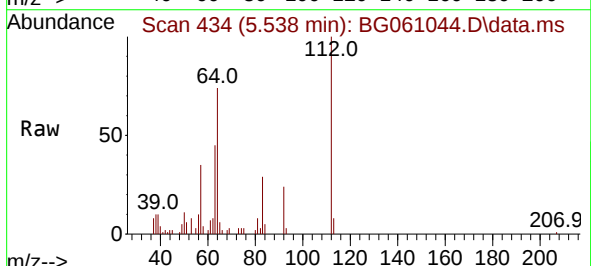
Reviewed By :Yogesh Patel 04/26/2024

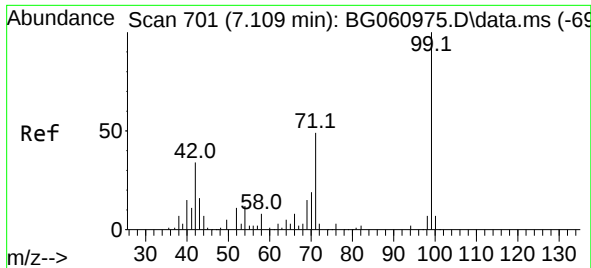
Supervised By :mohammad ahmed 04/27/2024



#5
2-Fluorophenol
Concen: 16.471 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.010 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

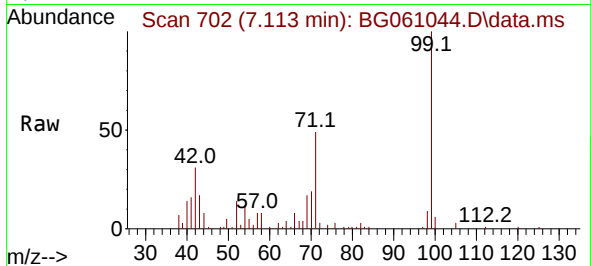
Tgt Ion:112 Resp: 25637
Ion Ratio Lower Upper
112 100
64 74.3 53.7 80.5
63 44.7 37.0 55.6





#7
Phenol-d6
Concen: 14.473 ng
RT: 7.113 min Scan# 701
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

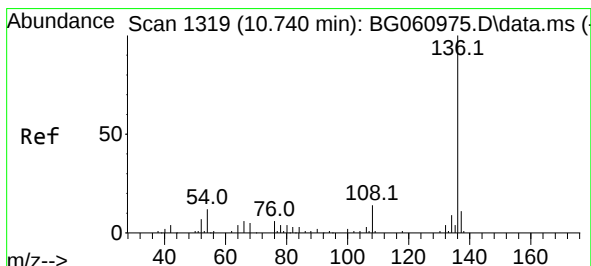
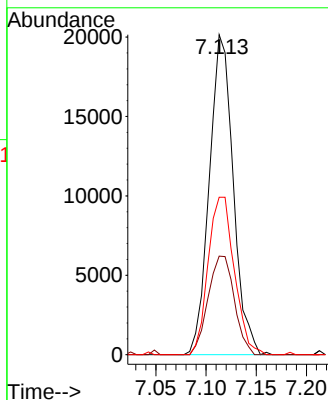
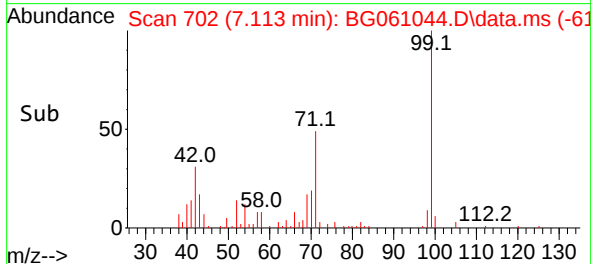
Instrument :
BNA_G
ClientSampleId :
HR-03-04242024



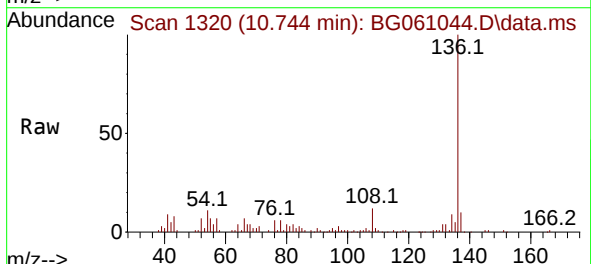
Tgt Ion: 99 Resp: 33424
Ion Ratio Lower Upper
99 100
42 30.8 27.2 40.8
71 49.2 38.8 58.2

Manual Integrations
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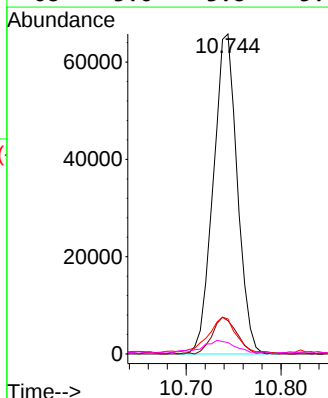
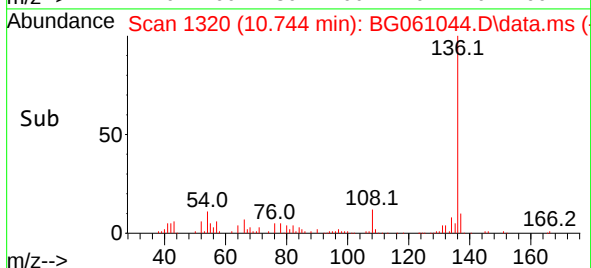
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

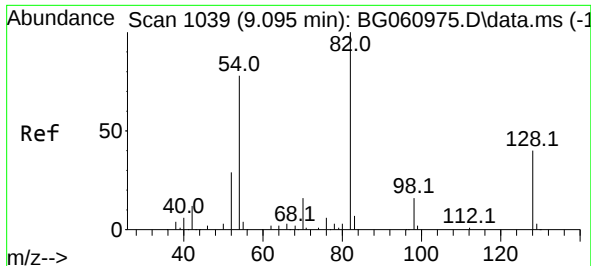


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 1320
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26



Tgt Ion:136 Resp: 115679
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 10.9 9.4 14.0
68 3.6 3.8 5.6#





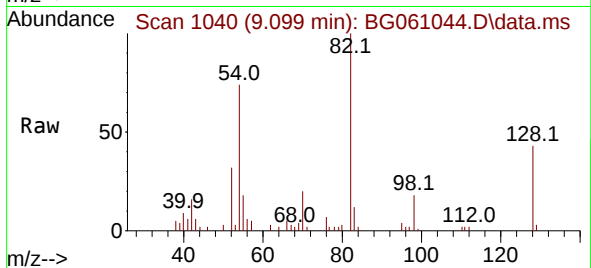
#23
Nitrobenzene-d5
Concen: 9.377 ng
RT: 9.099 min Scan# 1039
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024



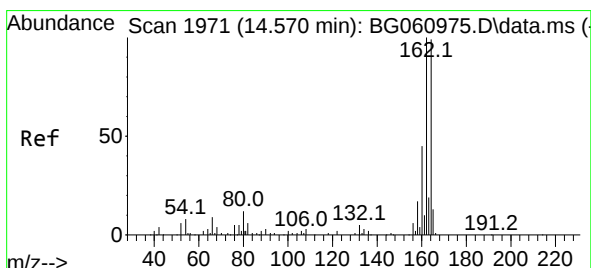
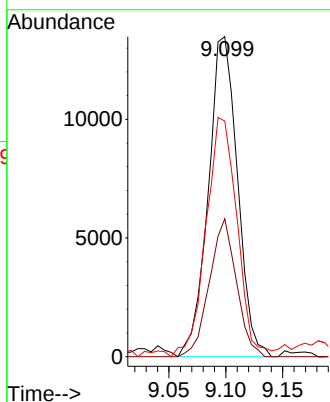
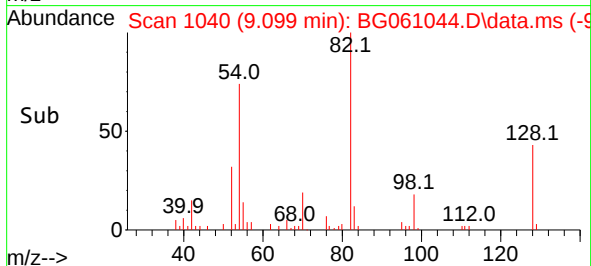
Tgt Ion: 82 Resp: 2414
Ion Ratio Lower Upper
82 100
128 43.1 32.1 48.1
54 73.7 62.3 93.5

Manual Integrations

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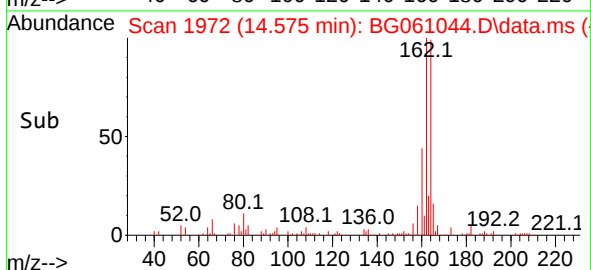
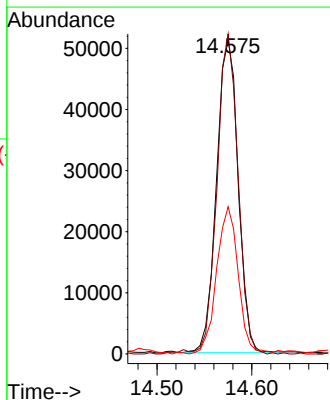
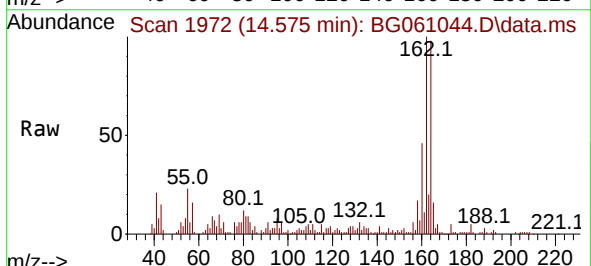
Reviewed By :Yogesh Patel 04/26/2024

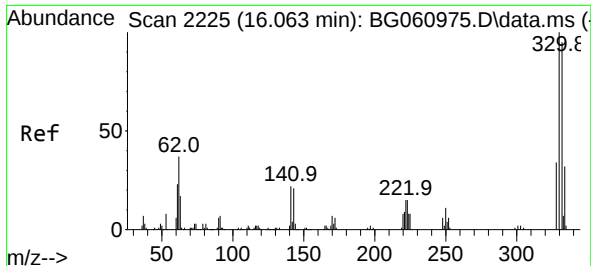
Supervised By :mohammad ahmed 04/27/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.575 min Scan# 1972
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Tgt Ion:164 Resp: 81222
Ion Ratio Lower Upper
164 100
162 102.0 81.2 121.8
160 46.9 36.2 54.2





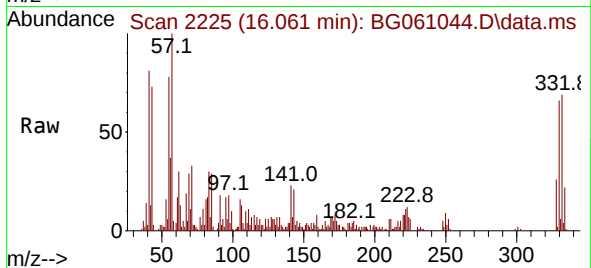
#42
2,4,6-Tribromophenol
Concen: 13.694 ng
RT: 16.061 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024



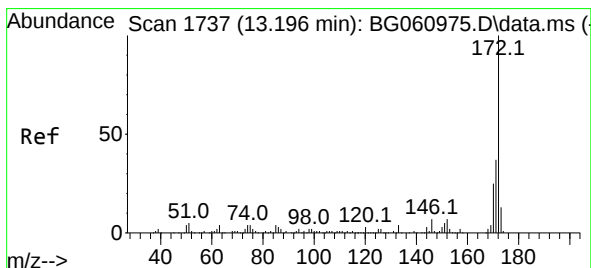
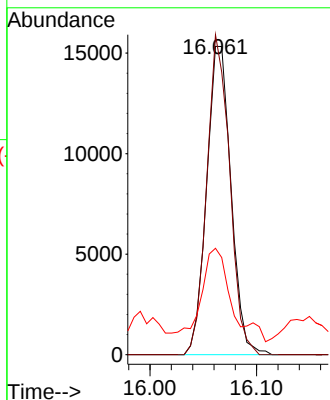
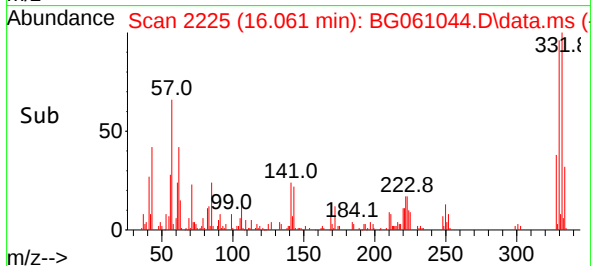
Tgt Ion:330 Resp: 2442
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 37.4 20.6 31.0

Manual Integrations

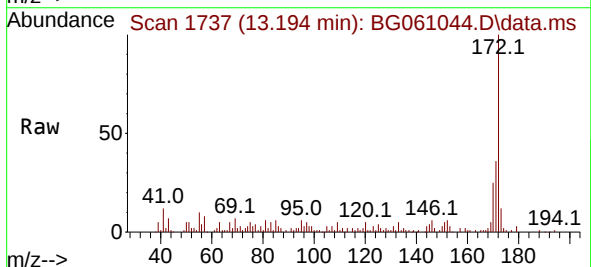
APPROVED

Reviewed By :Yogesh Patel 04/26/2024

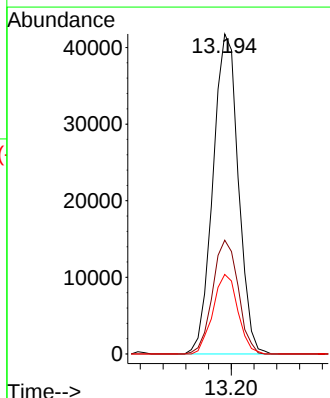
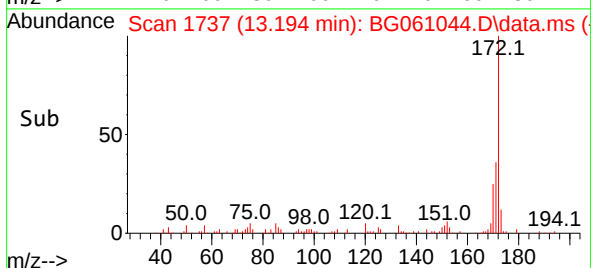
Supervised By :mohammad ahmed 04/27/2024

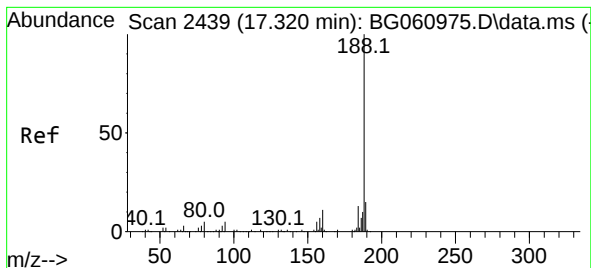


#45
2-Fluorobiphenyl
Concen: 11.019 ng
RT: 13.194 min Scan# 1737
Delta R.T. -0.001 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26



Tgt Ion:172 Resp: 64667
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 24.8 20.1 30.1





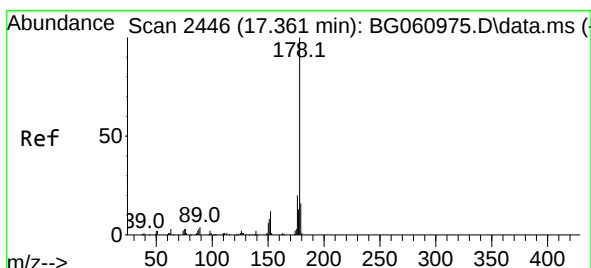
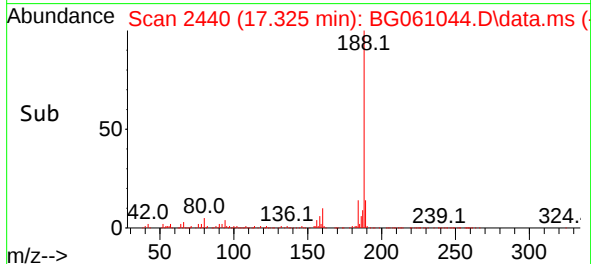
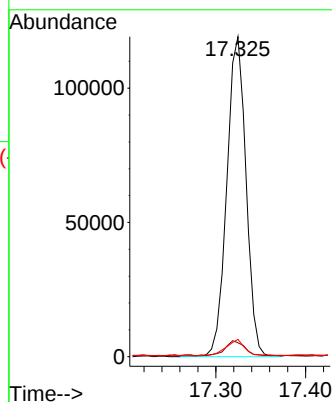
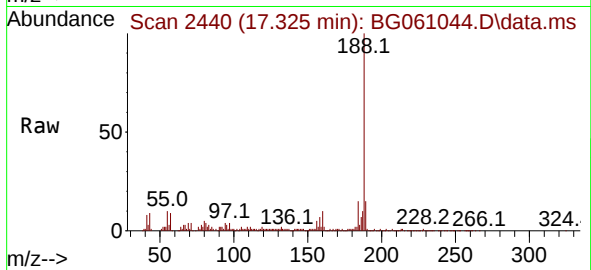
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.325 min Scan# 2439
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Instrument :
BNA_G
ClientSampleId :
HR-03-04242024

Tgt Ion:188 Resp: 176878
Ion Ratio Lower Upper
188 100
94 4.4 4.1 6.1
80 5.4 4.0 6.0

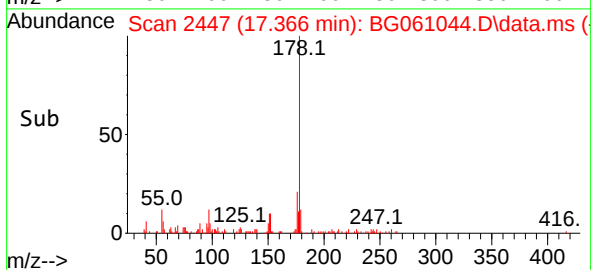
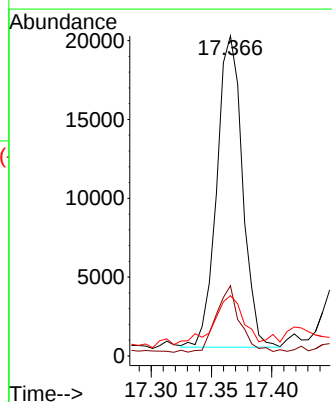
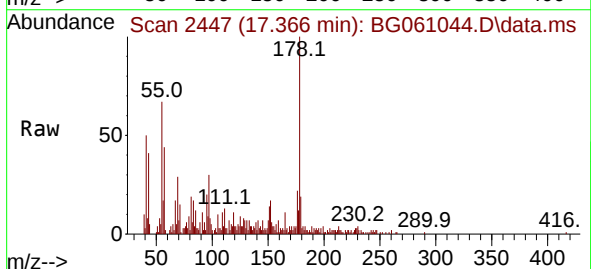
Manual Integrations
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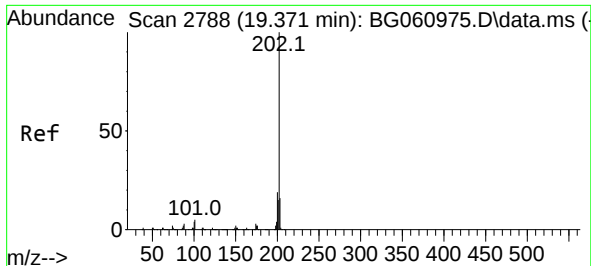
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#71
Phenanthrene
Concen: 3.245 ng m
RT: 17.366 min Scan# 2447
Delta R.T. 0.005 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

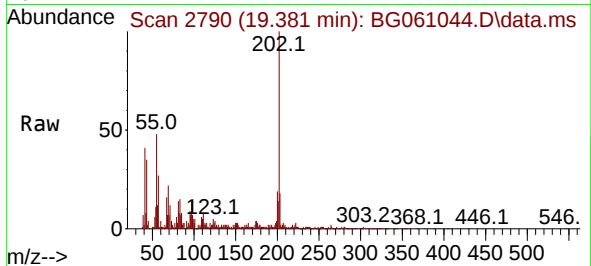
Tgt Ion:178 Resp: 29296
Ion Ratio Lower Upper
178 100
176 22.0 16.0 24.0
179 18.8 12.5 18.7#





#75
Fluoranthene
Concen: 10.294 ng
RT: 19.381 min Scan# 21
Delta R.T. 0.010 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

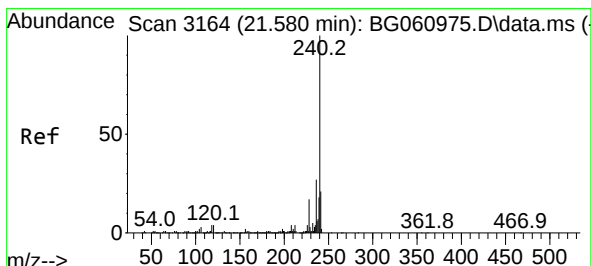
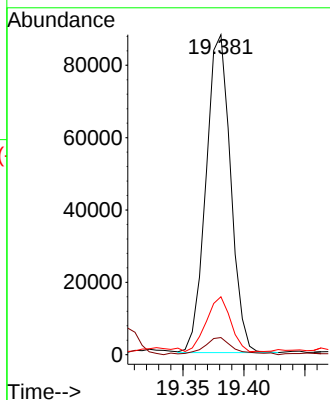
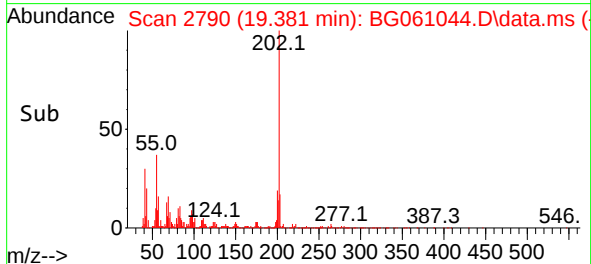
Instrument :
BNA_G
ClientSampleId :
HR-03-04242024



Tgt Ion:202 Resp: 12334
Ion Ratio Lower Upper
202 100
101 5.3 0.0 24.9
203 18.1 0.0 36.2

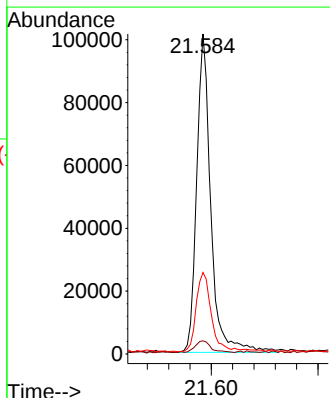
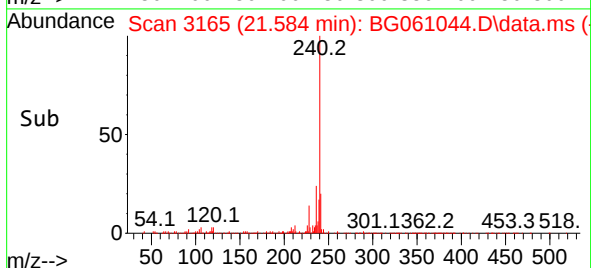
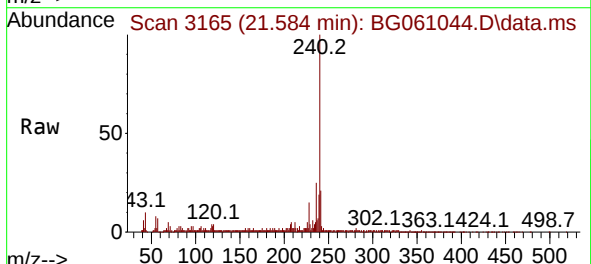
Manual Integrations
APPROVED

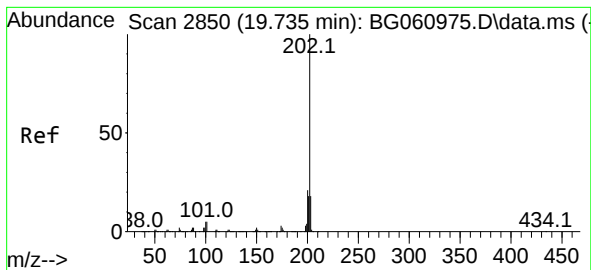
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.584 min Scan# 3165
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Tgt Ion:240 Resp: 185619
Ion Ratio Lower Upper
240 100
120 4.1 3.0 4.6
236 25.5 21.8 32.6





#78

Pyrene

Concen: 9.679 ng

RT: 19.739 min Scan# 2850

Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

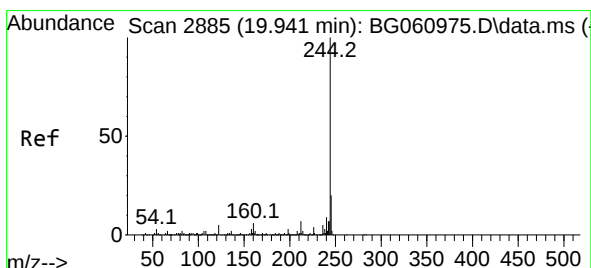
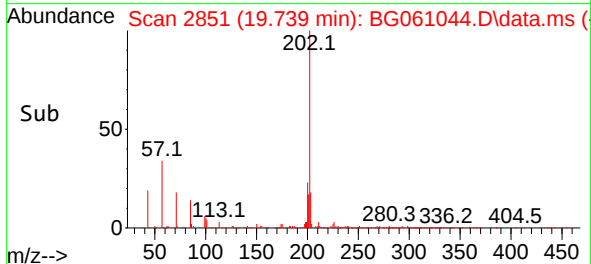
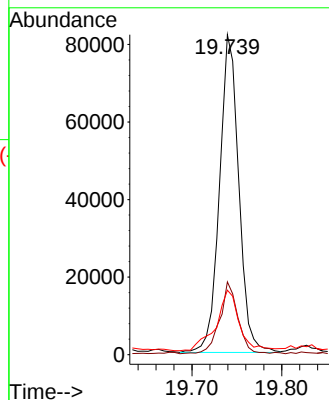
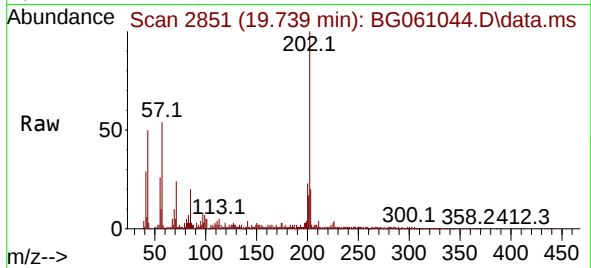
Tgt Ion:	202	Resp:	122330
Ion Ratio	Lower	Upper	
202	100		
200	22.7	16.8	25.2
203	20.1	14.2	21.2

Manual Integrations

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Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#79

Terphenyl-d14

Concen: 9.977 ng

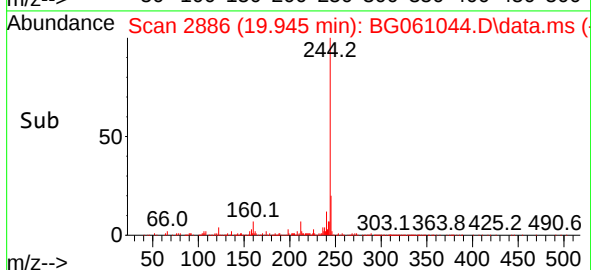
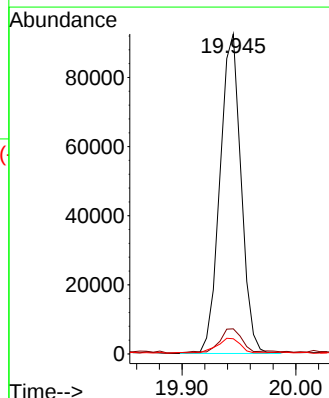
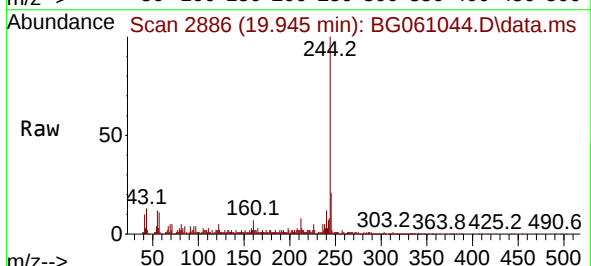
RT: 19.945 min Scan# 2886

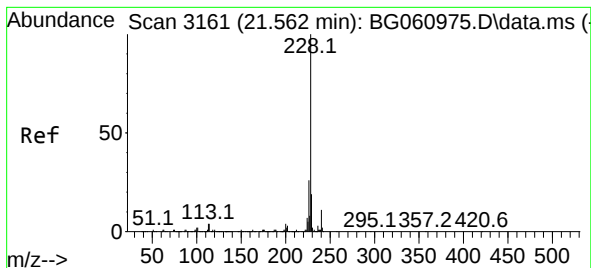
Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Tgt Ion:	244	Resp:	119311
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.9	8.9
122	4.7	4.2	6.2





#81

Benzo(a)anthracene

Concen: 5.087 ng

RT: 21.567 min Scan# 3162

Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

Tgt Ion:228 Resp: 6638

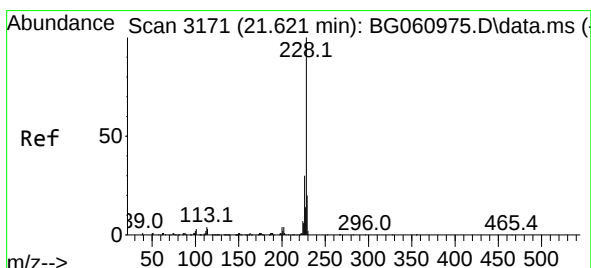
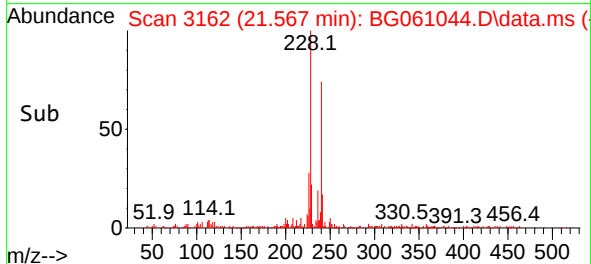
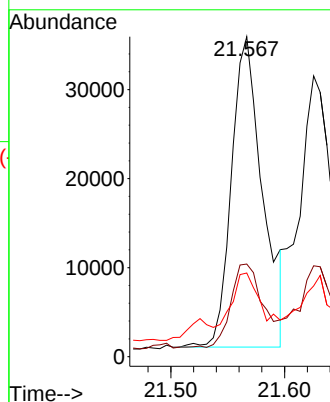
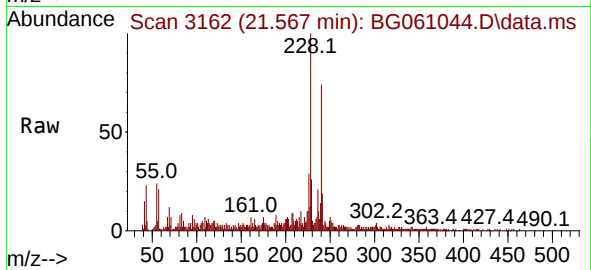
Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.0	31.4
229	26.1	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#83

Chrysene

Concen: 5.220 ng m

RT: 21.625 min Scan# 3172

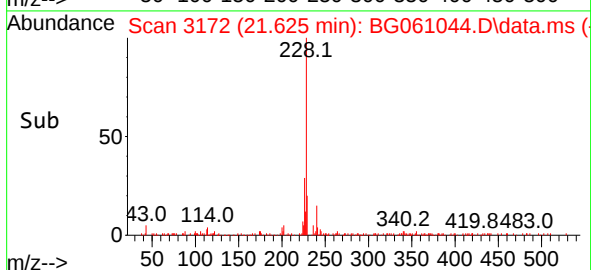
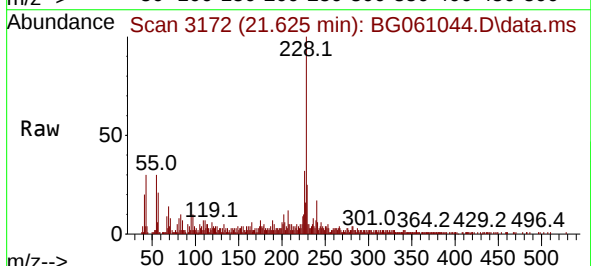
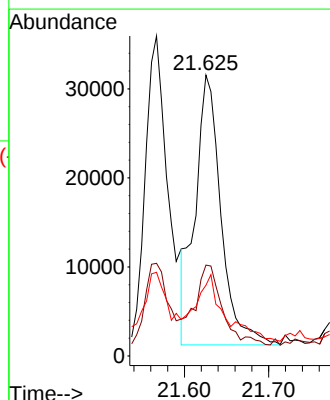
Delta R.T. 0.004 min

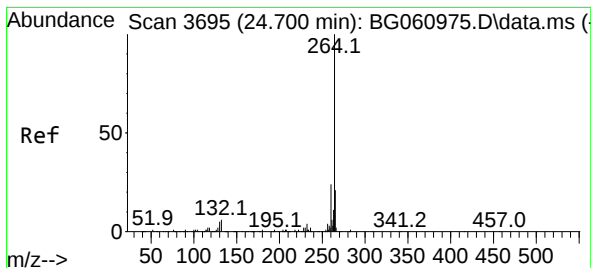
Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Tgt Ion:228 Resp: 64860

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.2	36.2
229	25.2	15.7	23.5





#86

Perylene-d12

Concen: 20.000 ng m

RT: 24.716 min Scan# 3

Delta R.T. 0.016 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

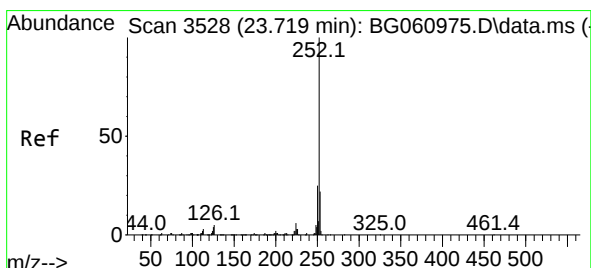
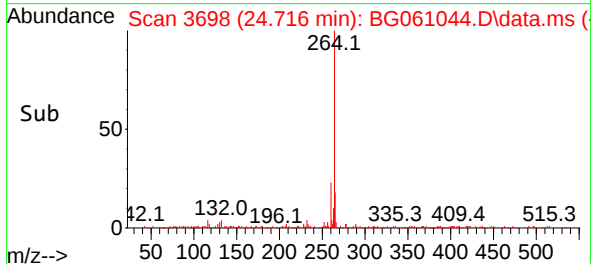
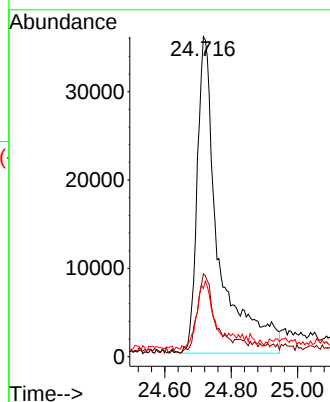
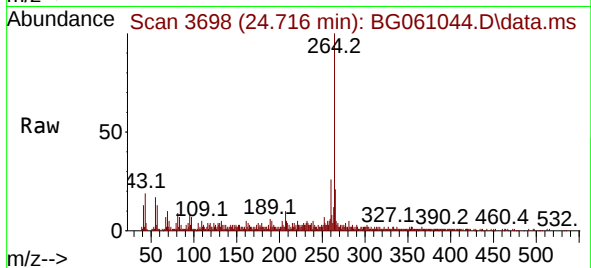
Tgt Ion:264 Resp: 16198
 Ion Ratio Lower Upper
 264 100
 260 25.9 19.4 29.2
 265 21.3 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#88

Benzo(b)fluoranthene

Concen: 6.450 ng

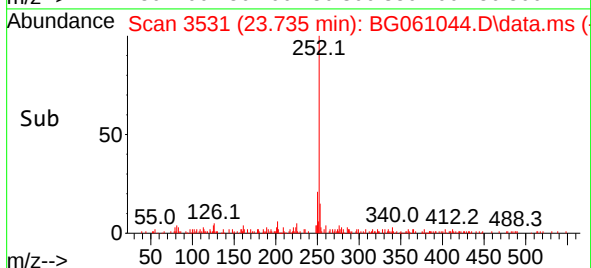
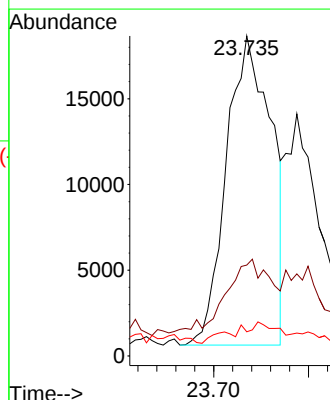
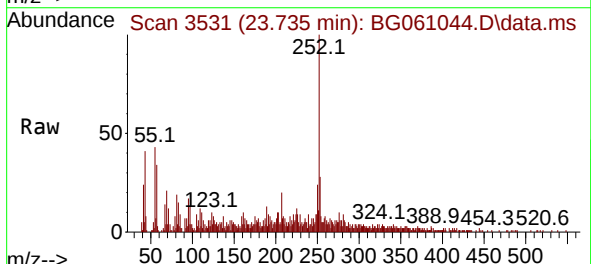
RT: 23.735 min Scan# 3531

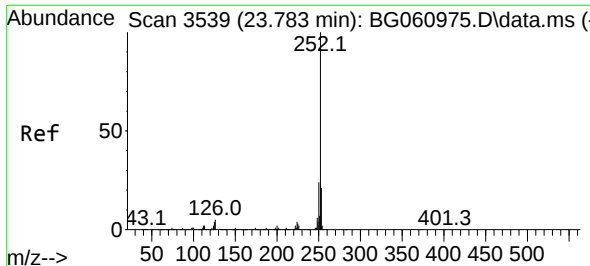
Delta R.T. 0.016 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Tgt Ion:252 Resp: 59206
 Ion Ratio Lower Upper
 252 100
 253 28.4 17.5 26.3#
 125 7.5 3.3 4.9#





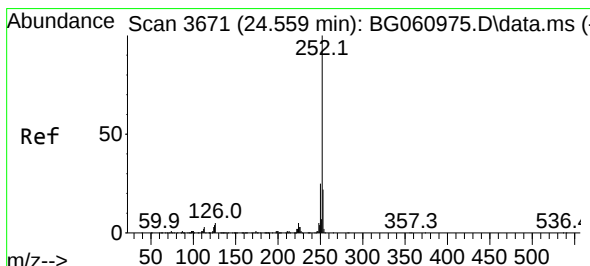
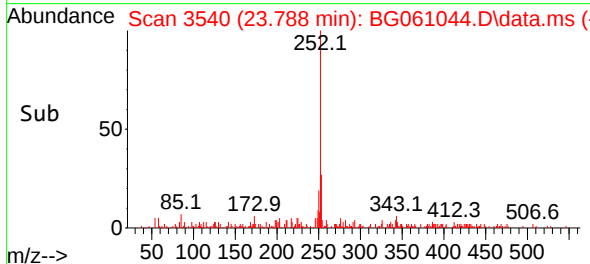
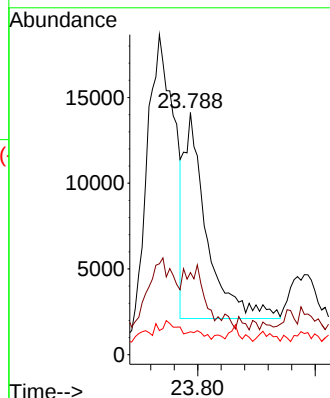
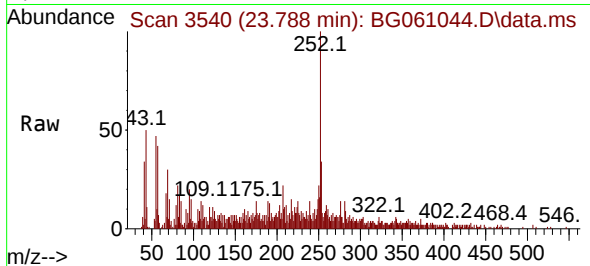
#89
Benzo(k)fluoranthene
Concen: 3.489 ng m
RT: 23.788 min Scan# 3539
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Instrument :
BNA_G
ClientSampleId :
HR-03-04242024

Tgt Ion:252 Resp: 32329
Ion Ratio Lower Upper
252 100
253 33.9 16.6 25.0#
125 9.5 3.3 4.9#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#90
Benzo(a)pyrene
Concen: 4.799 ng m
RT: 24.569 min Scan# 3673
Delta R.T. 0.010 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Tgt Ion:252 Resp: 42638
Ion Ratio Lower Upper
252 100
253 30.3 17.7 26.5#
125 10.0 3.6 5.4#

