

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
 Data File : BM041252.D
 Acq On : 02 Aug 2023 19:36
 Operator : MA/JU
 Sample : 03598-11 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RB-57-(1-3)

Quant Time: Aug 03 09:35:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 19:20:51 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	173379	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	751877	20.000	ng	0.00
39) Acenaphthene-d10	14.462	164	492217	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1062965	20.000	ng	0.00
76) Chrysene-d12	21.427	240	707896	20.000	ng	0.00
86) Perylene-d12	23.803	264	732717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	141180	12.170	ng	0.00
7) Phenol-d6	6.981	99	190469	12.667	ng	0.00
23) Nitrobenzene-d5	8.975	82	117433	7.263	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	84598	12.151	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	300125	7.703	ng	0.00
79) Terphenyl-d14	19.856	244	422254	10.785	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.274	142	84479	3.071	ng	99
38) 1-Methylnaphthalene	12.492	142	54995	2.136	ng	99
71) Phenanthrene	17.268	178	205711	3.483	ng	100
75) Fluoranthene	19.292	202	534148	8.050	ng	99
78) Pyrene	19.656	202	521250	10.529	ng	99
81) Benzo(a)anthracene	21.409	228	252273	5.257	ng	96
83) Chrysene	21.462	228	222609	4.796	ng	98
87) Indeno(1,2,3-cd)pyrene	26.244	276	127779	2.372	ng	# 93
88) Benzo(b)fluoranthene	23.080	252	267575	6.147	ng	# 94
89) Benzo(k)fluoranthene	23.121	252	94721m	2.127	ng	
90) Benzo(a)pyrene	23.691	252	198480	4.746	ng	# 94
92) Benzo(g,h,i)perylene	27.003	276	124532	2.832	ng	96

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

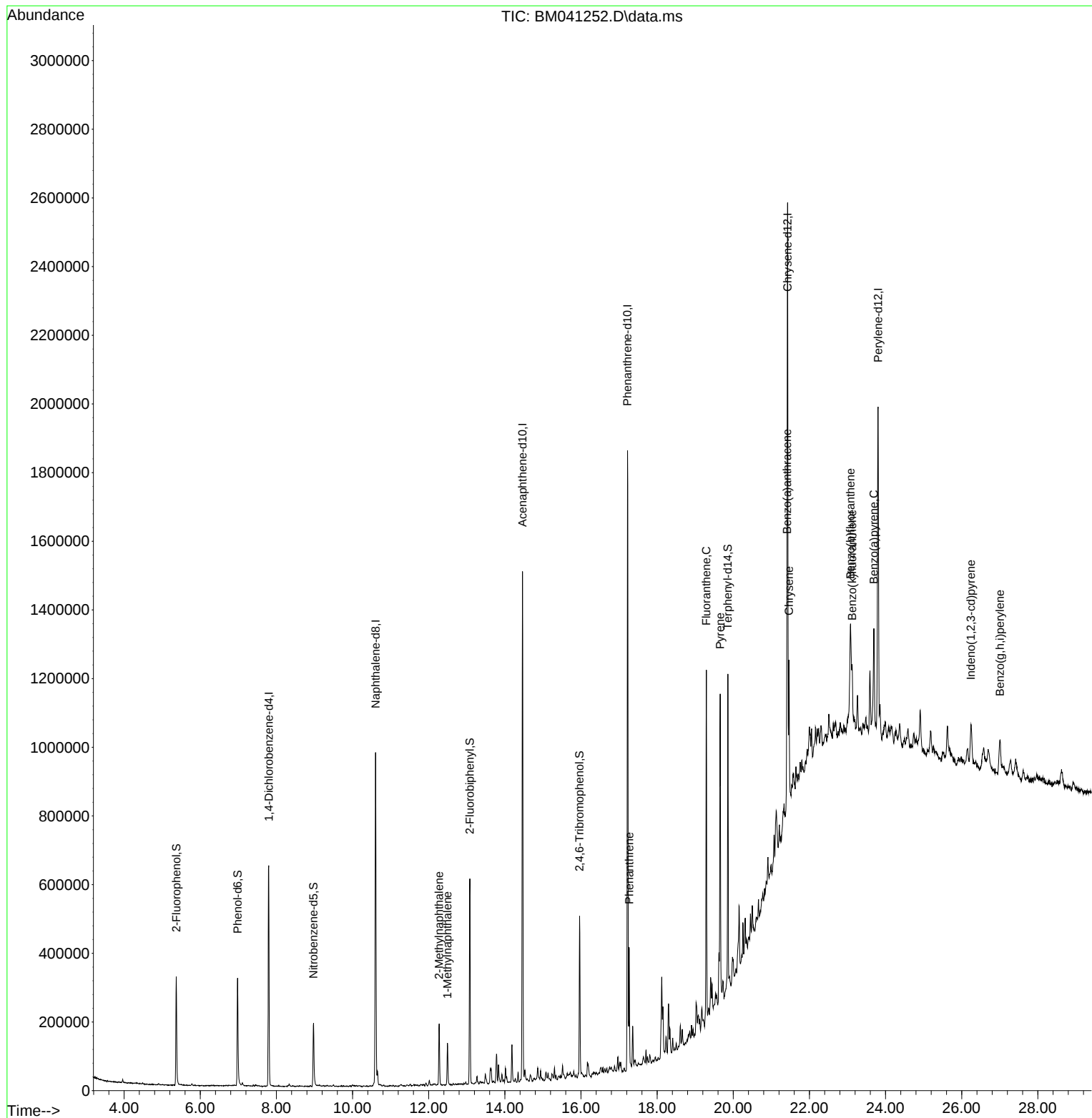
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
Data File : BM041252.D
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ALS Vial : 19 Sample Multiplier: 1

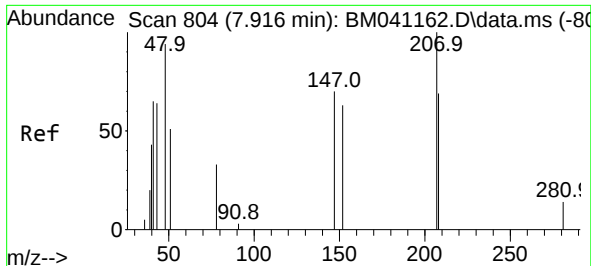
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Quant Time: Aug 03 09:35:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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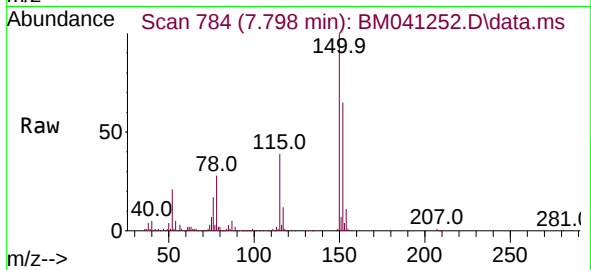
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.005 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

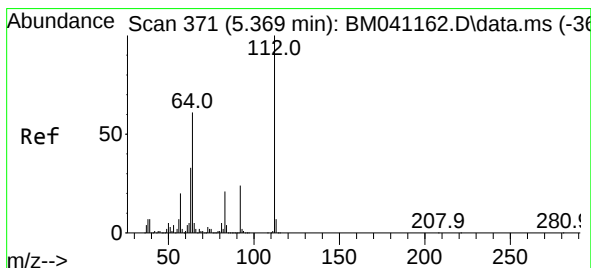
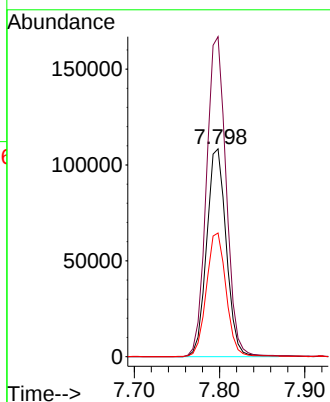
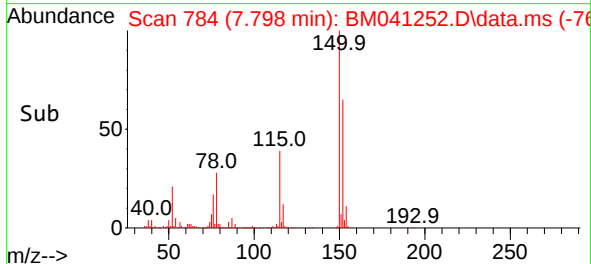
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)



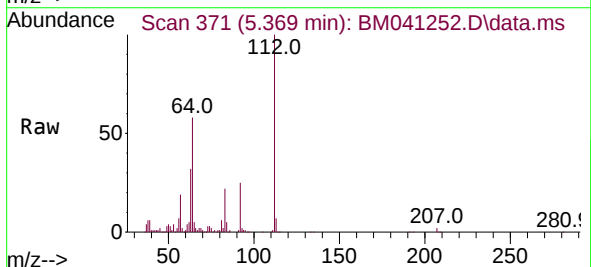
Tgt Ion:152 Resp: 173379
Ion Ratio Lower Upper
152 100
150 154.0 125.5 188.3
115 59.6 48.0 72.0

Manual Integrations
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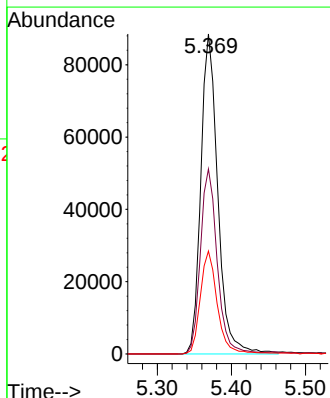
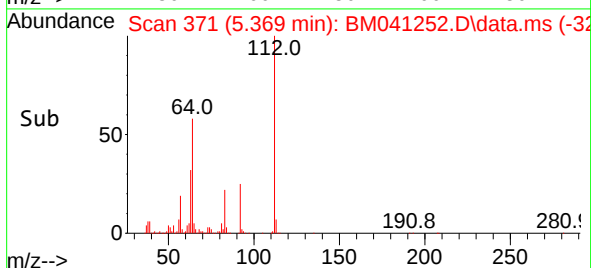
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

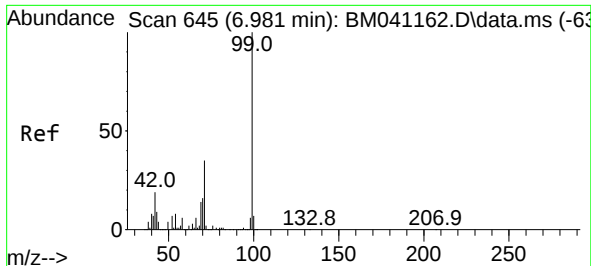


#5
2-Fluorophenol
Concen: 12.170 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36



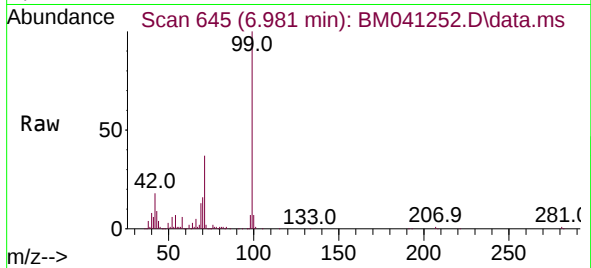
Tgt Ion:112 Resp: 141180
Ion Ratio Lower Upper
112 100
64 57.8 48.5 72.7
63 32.2 26.5 39.7





#7
Phenol-d6
Concen: 12.667 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

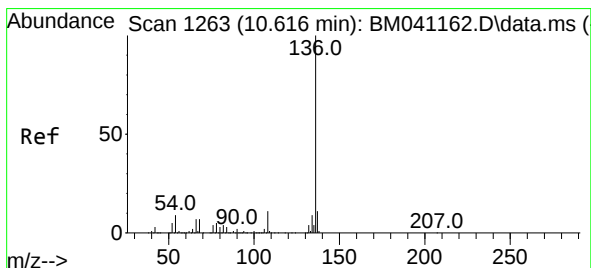
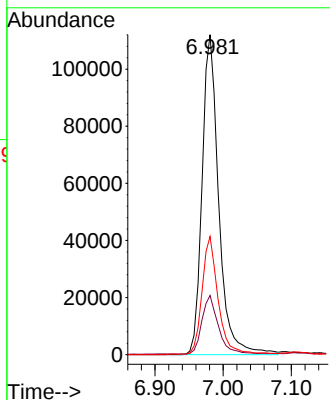
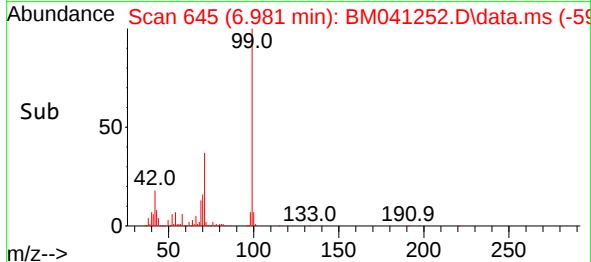
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)



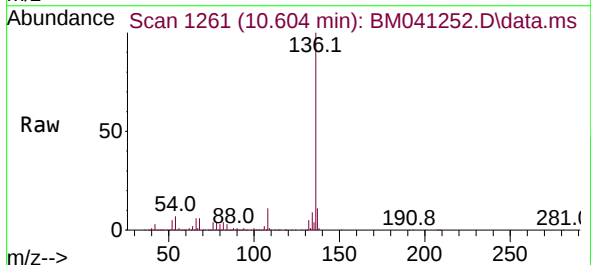
Tgt Ion: 99 Resp: 190469
Ion Ratio Lower Upper
99 100
42 18.5 15.4 23.0
71 36.9 28.2 42.4

Manual Integrations
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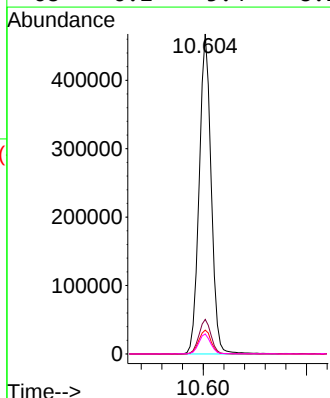
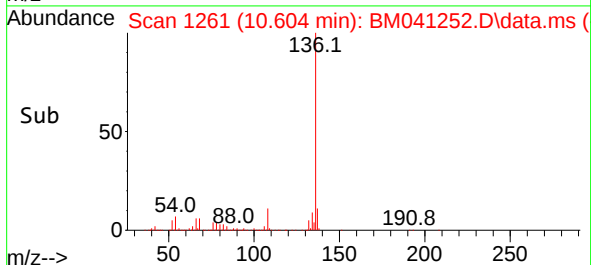
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

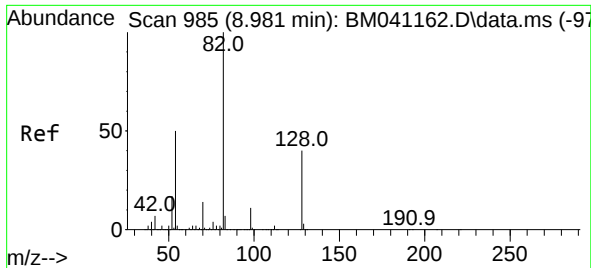


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36



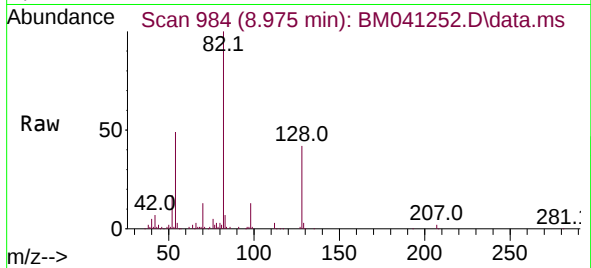
Tgt Ion:136 Resp: 751877
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.5 6.9 10.3
68 6.2 5.4 8.2





#23
Nitrobenzene-d5
Concen: 7.263 ng
RT: 8.975 min Scan# 984
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

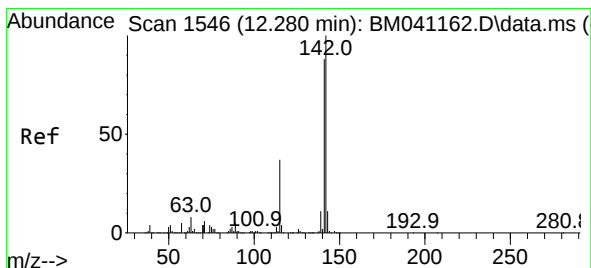
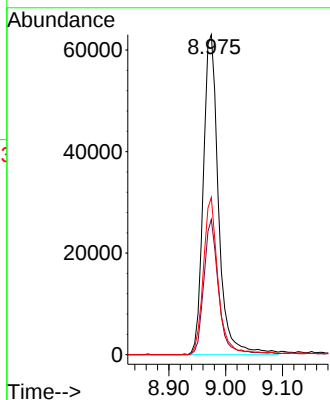
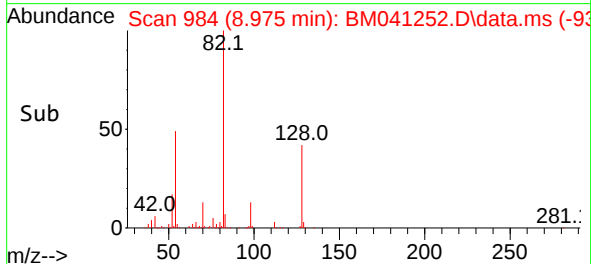
Instrument :
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ClientSampleId :
RB-57-(1-3)



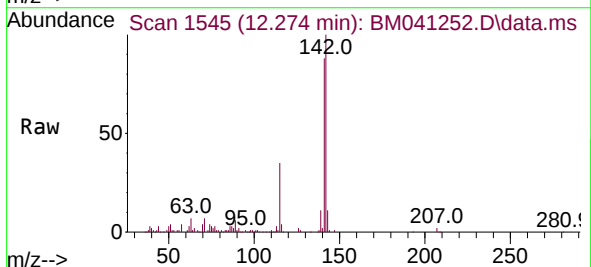
Tgt Ion: 82 Resp: 11743
Ion Ratio Lower Upper
82 100
128 42.3 31.8 47.6
54 49.2 40.1 60.1

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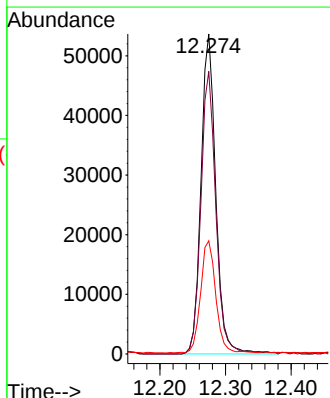
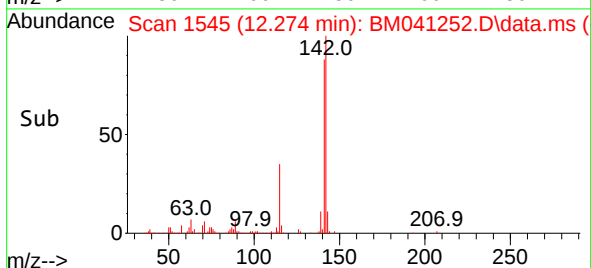
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

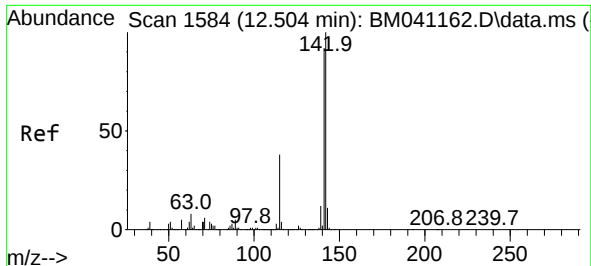


#37
2-Methylnaphthalene
Concen: 3.071 ng
RT: 12.274 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36



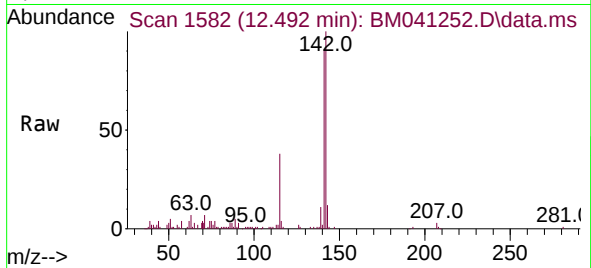
Tgt Ion:142 Resp: 84479
Ion Ratio Lower Upper
142 100
141 88.3 70.7 106.1
115 35.4 29.3 43.9





#38
1-Methylnaphthalene
Concen: 2.136 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

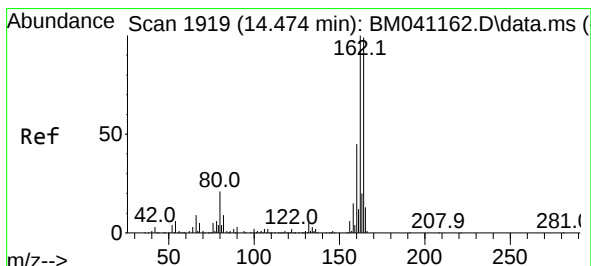
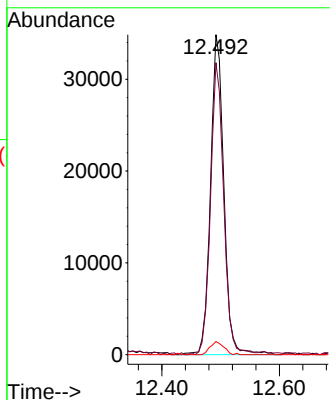
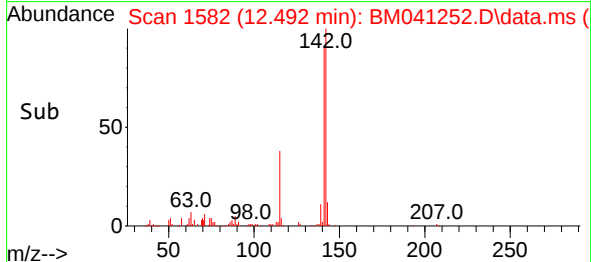
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)



Tgt Ion:142 Resp: 5499
Ion Ratio Lower Upper
142 100
141 91.2 73.4 110.2
116 4.1 3.2 4.8

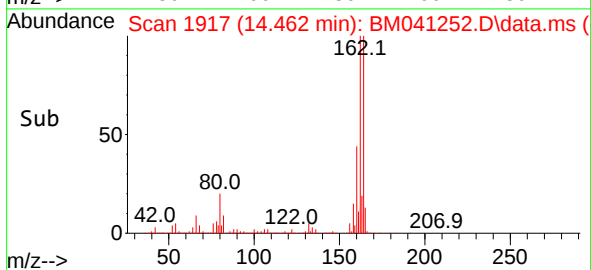
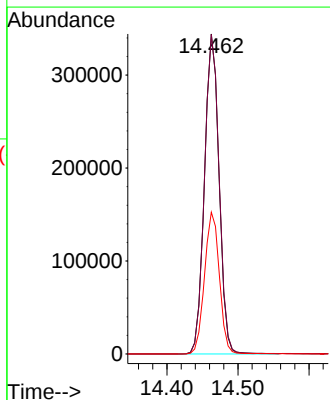
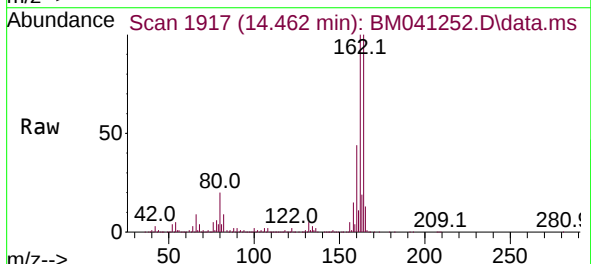
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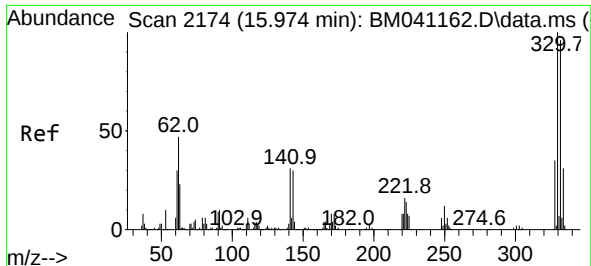
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.462 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:164 Resp: 492217
Ion Ratio Lower Upper
164 100
162 99.8 80.4 120.6
160 44.3 36.2 54.2





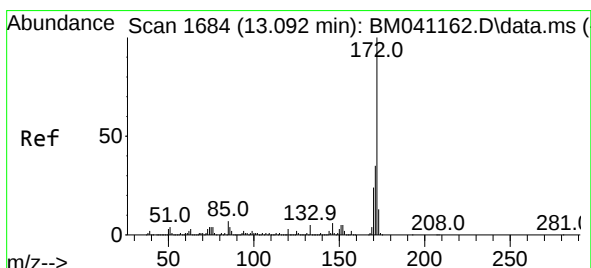
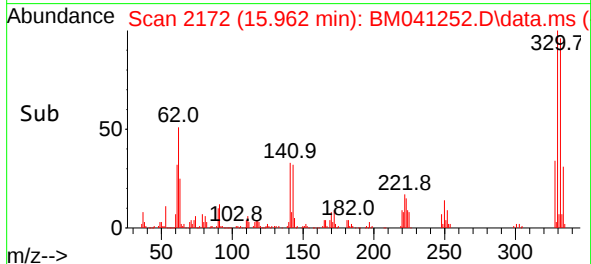
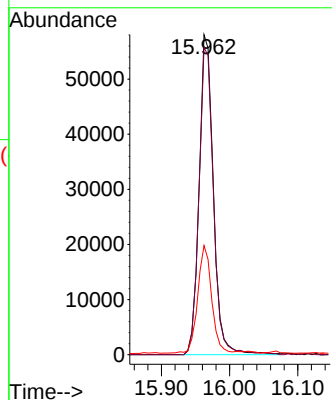
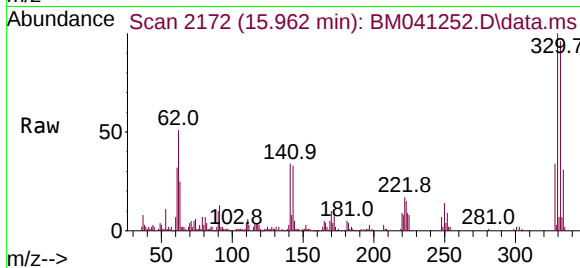
#42
2,4,6-Tribromophenol
Concen: 12.151 ng
RT: 15.962 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)

Tgt Ion:330 Resp: 84598
Ion Ratio Lower Upper
330 100
332 97.3 77.7 116.5
141 32.9 28.3 42.5

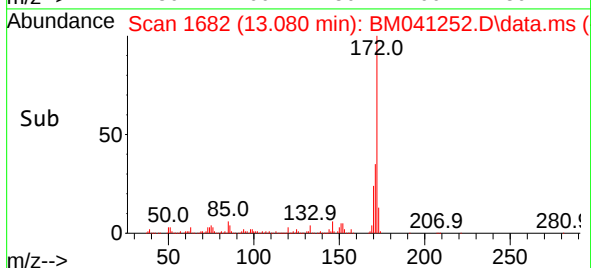
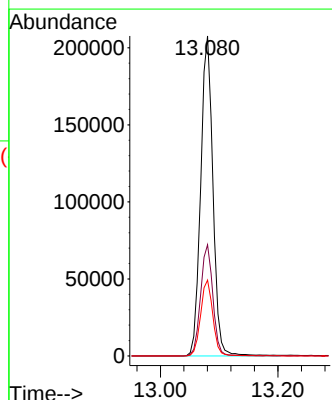
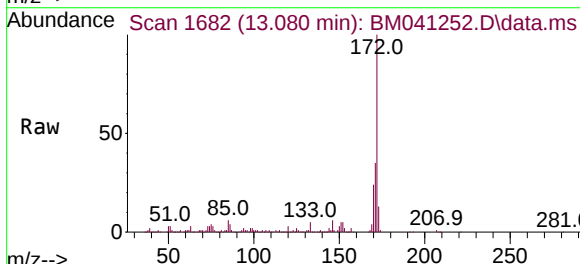
Manual Integrations
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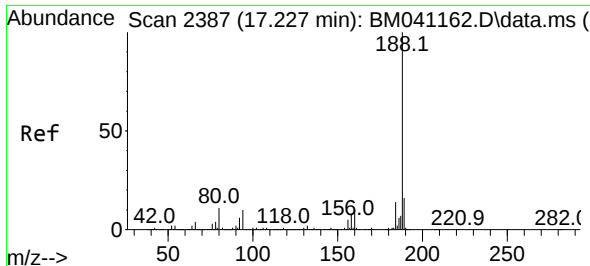
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#45
2-Fluorobiphenyl
Concen: 7.703 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

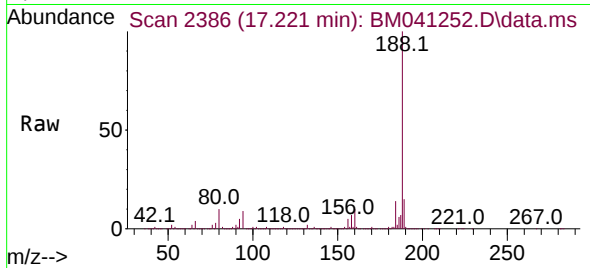
Tgt Ion:172 Resp: 300125
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

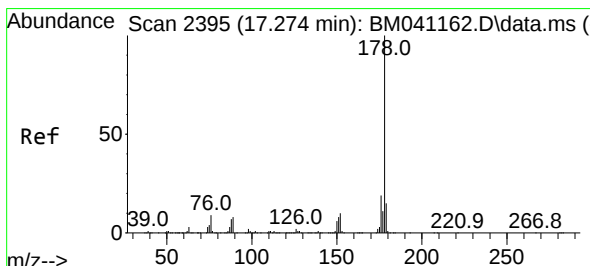
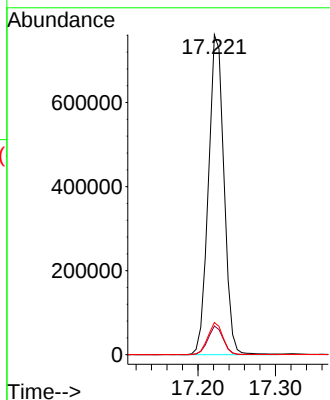
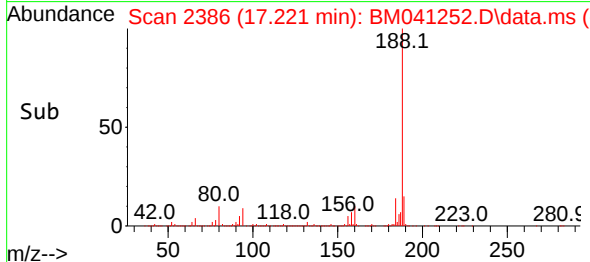
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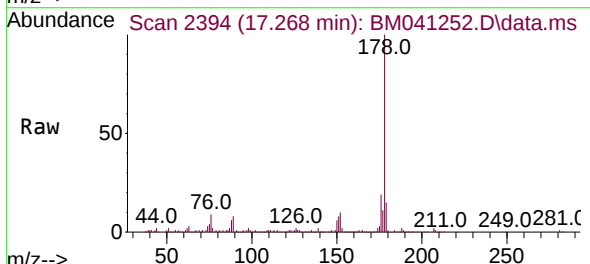
Tgt Ion:188 Resp: 106296
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 10.1 8.6 13.0

Manual Integrations
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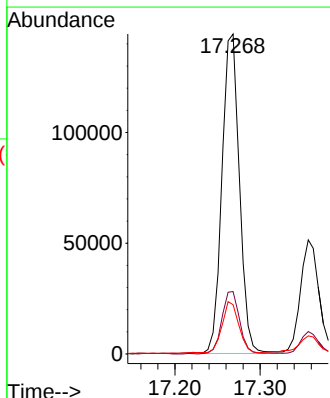
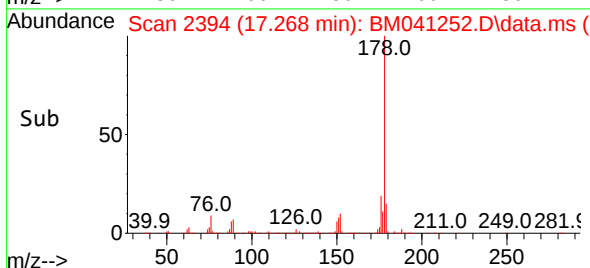
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

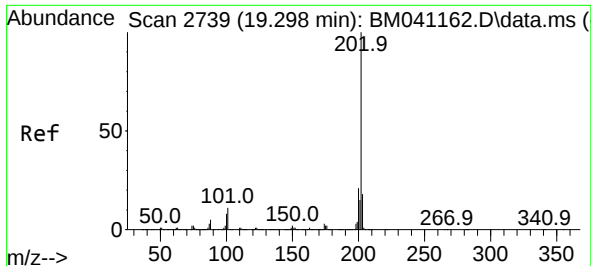


#71
Phenanthrene
Concen: 3.483 ng
RT: 17.268 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36



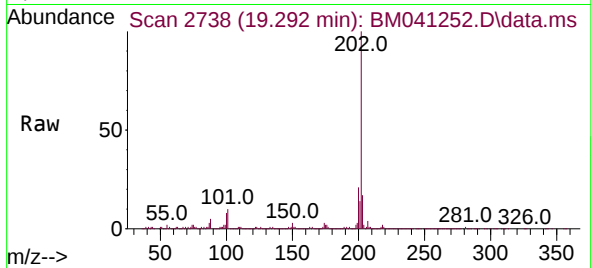
Tgt Ion:178 Resp: 205711
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.4 12.1 18.1





#75
Fluoranthene
Concen: 8.050 ng
RT: 19.292 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

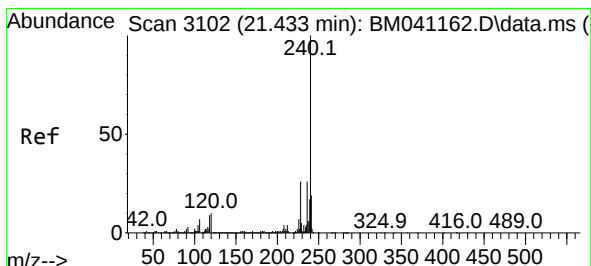
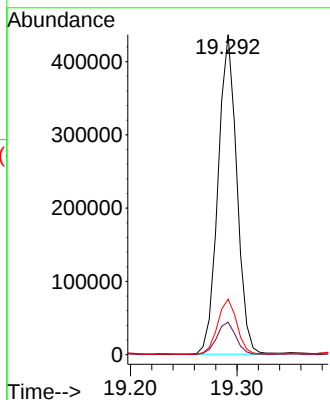
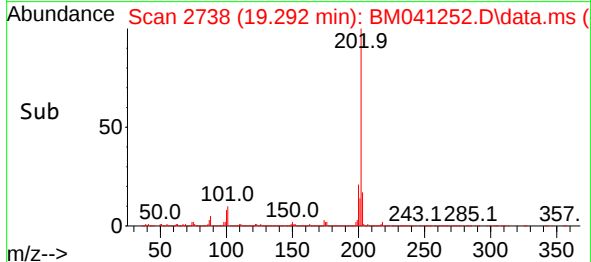
Instrument :
BNA_M
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RB-57-(1-3)



Tgt Ion:202 Resp: 53414
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.8
203 17.3 0.0 37.6

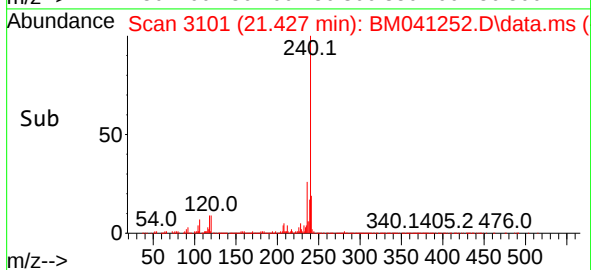
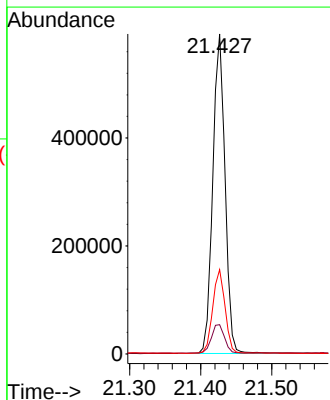
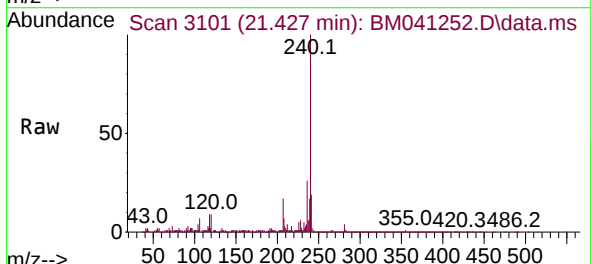
Manual Integrations
APPROVED

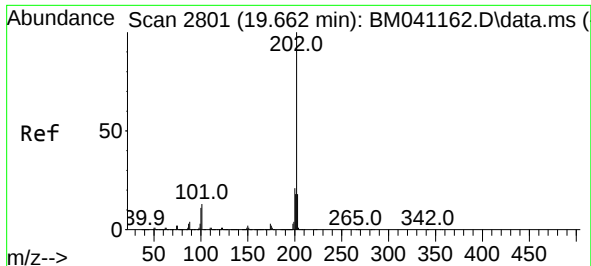
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

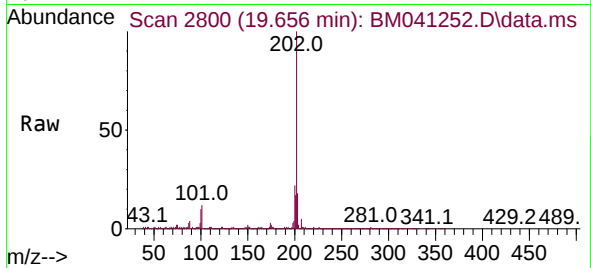
Tgt Ion:240 Resp: 707896
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 26.4 20.6 30.8





#78
 Pyrene
 Concen: 10.529 ng
 RT: 19.656 min Scan# 2800
 Delta R.T. -0.000 min
 Lab File: BM041252.D
 Acq: 02 Aug 2023 19:36

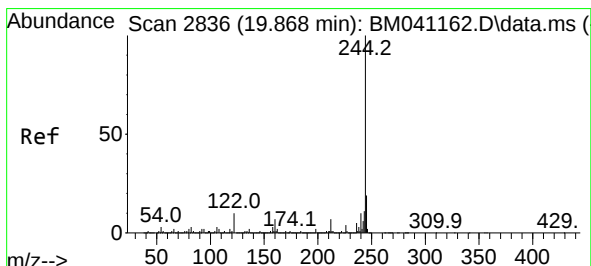
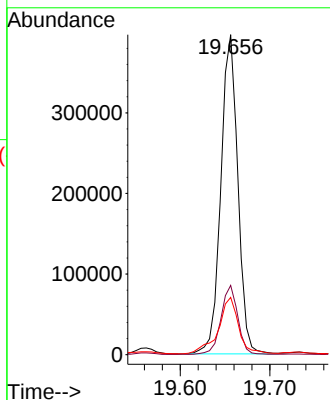
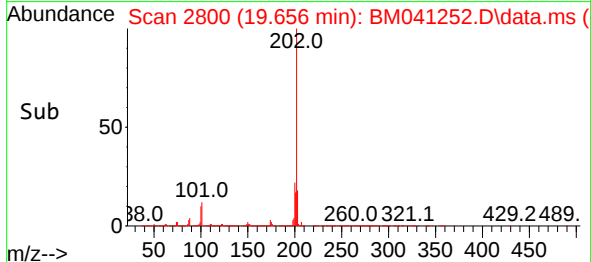
Instrument :
 BNA_M
 ClientSampleId :
 RB-57-(1-3)



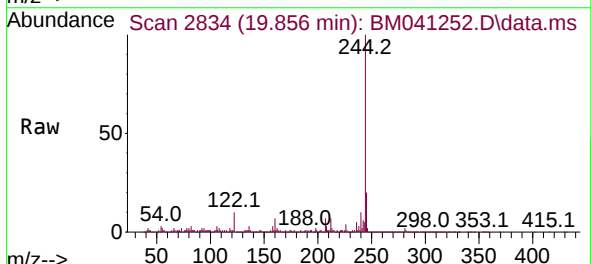
Tgt Ion:202 Resp: 521250
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.9 25.3
 203 17.9 14.1 21.1

Manual Integrations
 APPROVED

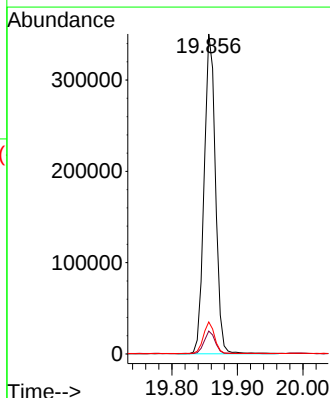
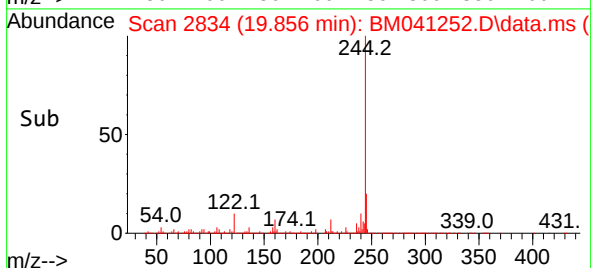
Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

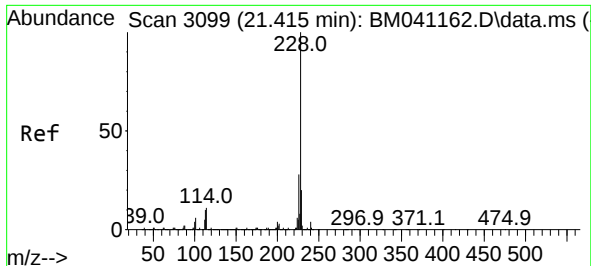


#79
 Terphenyl-d14
 Concen: 10.785 ng
 RT: 19.856 min Scan# 2834
 Delta R.T. -0.006 min
 Lab File: BM041252.D
 Acq: 02 Aug 2023 19:36



Tgt Ion:244 Resp: 422254
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 10.0 7.8 11.6





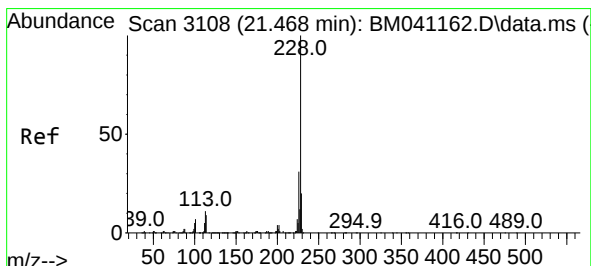
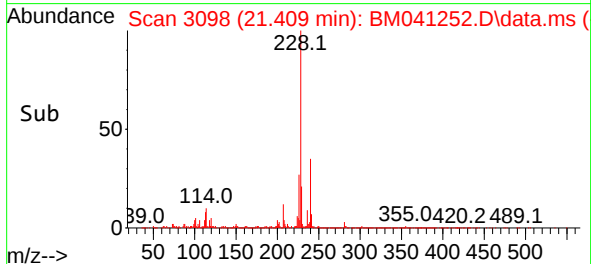
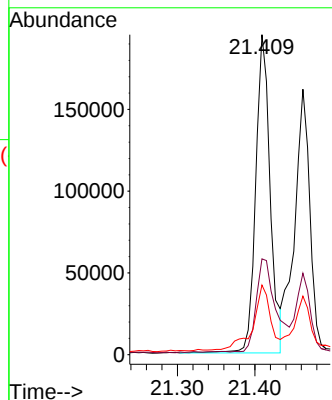
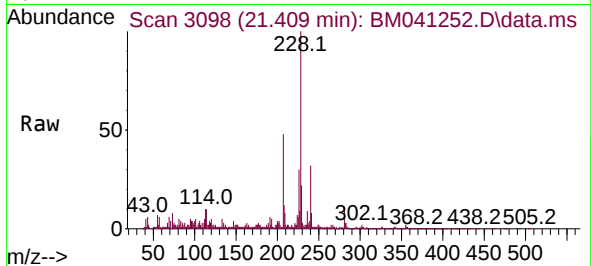
#81
Benzo(a)anthracene
Concen: 5.257 ng
RT: 21.409 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)

Tgt Ion:228 Resp: 25227
Ion Ratio Lower Upper
228 100
226 30.0 22.4 33.6
229 21.7 15.8 23.8

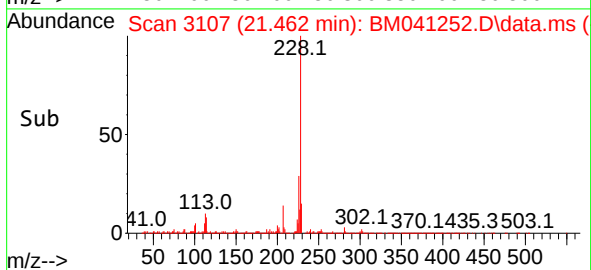
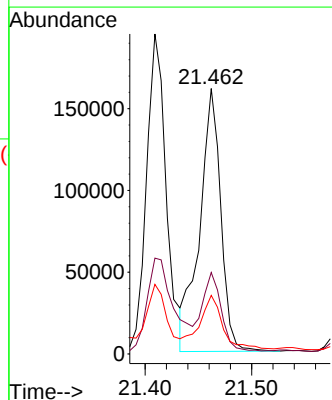
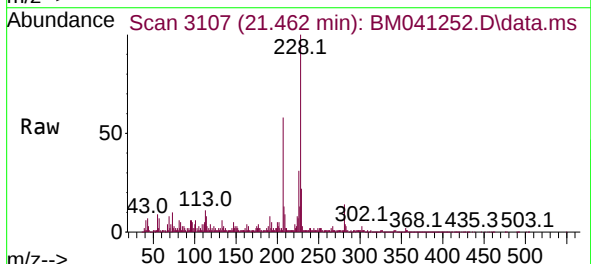
Manual Integrations
APPROVED

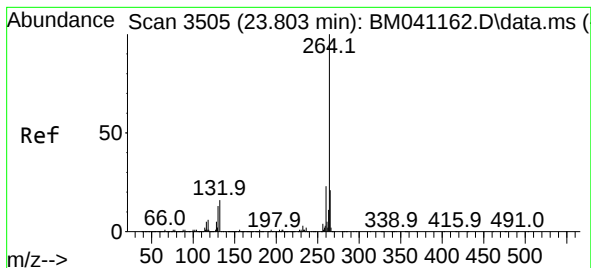
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#83
Chrysene
Concen: 4.796 ng
RT: 21.462 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion:228 Resp: 222609
Ion Ratio Lower Upper
228 100
226 30.7 24.5 36.7
229 22.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.803 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM041252.D

Acq: 02 Aug 2023 19:36

Instrument :

BNA_M

ClientSampleId :

RB-57-(1-3)

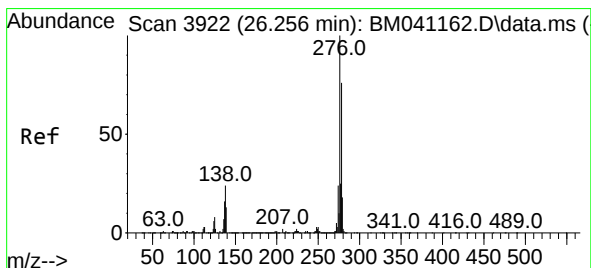
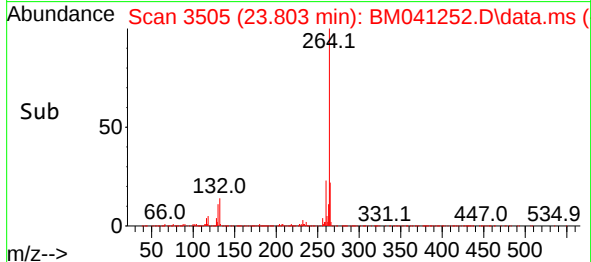
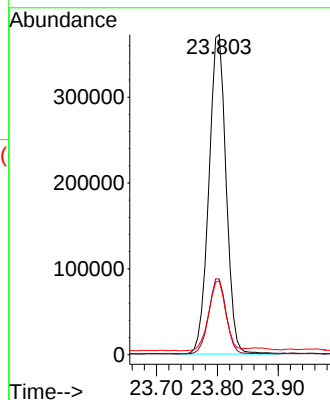
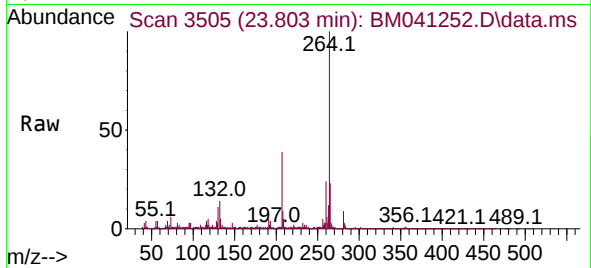
Tgt Ion:	264	Resp:	73271
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.5	27.7
265	23.1	17.4	26.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.372 ng

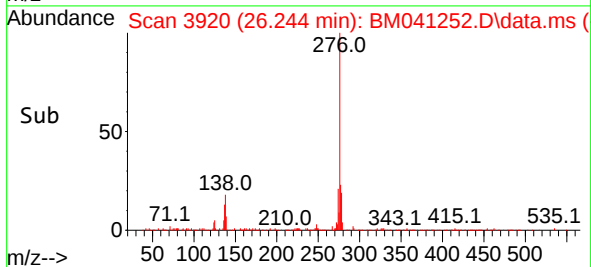
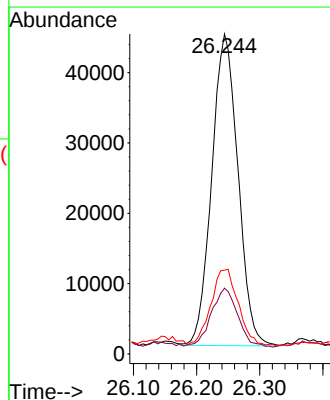
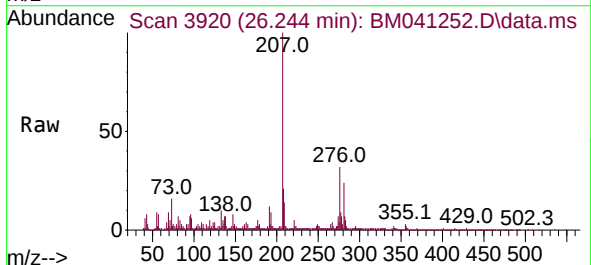
RT: 26.244 min Scan# 3920

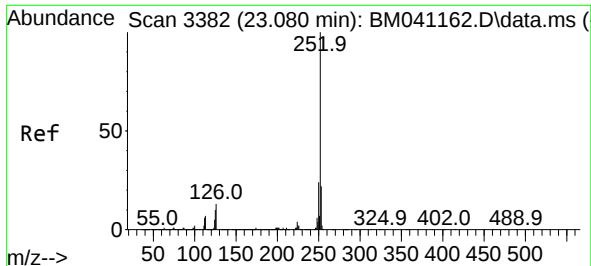
Delta R.T. -0.018 min

Lab File: BM041252.D

Acq: 02 Aug 2023 19:36

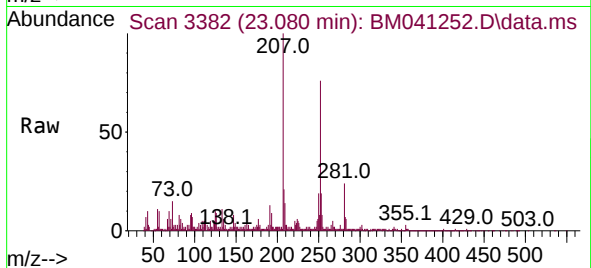
Tgt Ion:	276	Resp:	127779
Ion Ratio	Lower	Upper	
276	100		
138	19.1	20.0	30.0#
277	26.1	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 6.147 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

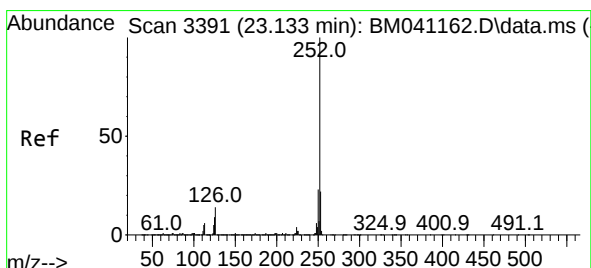
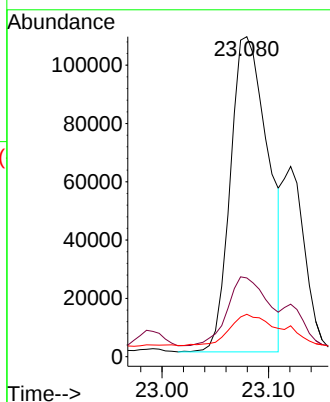
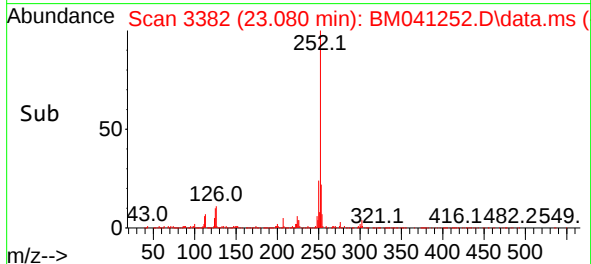
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)



Tgt Ion:252 Resp: 26757
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 13.2 8.2 12.4

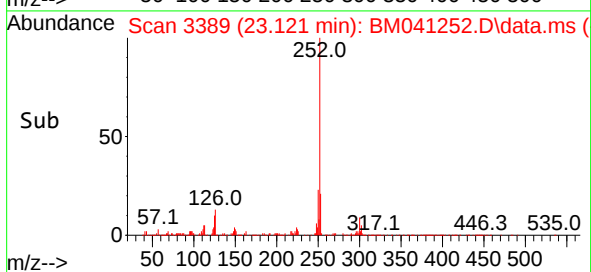
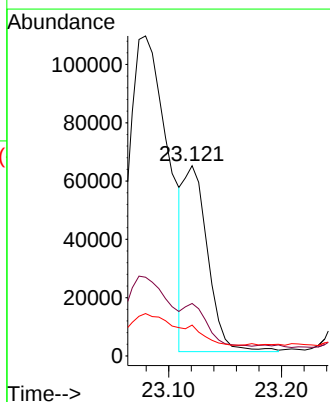
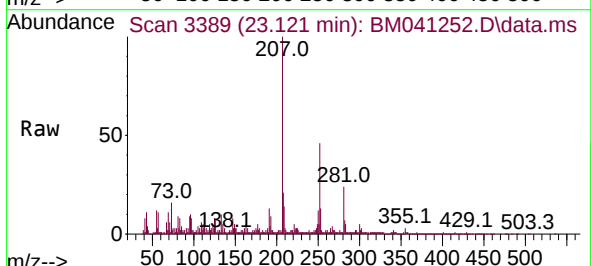
Manual Integrations
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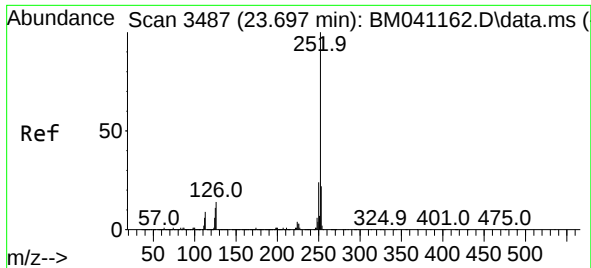
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#89
Benzo(k)fluoranthene
Concen: 2.127 ng m
RT: 23.121 min Scan# 3389
Delta R.T. -0.012 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

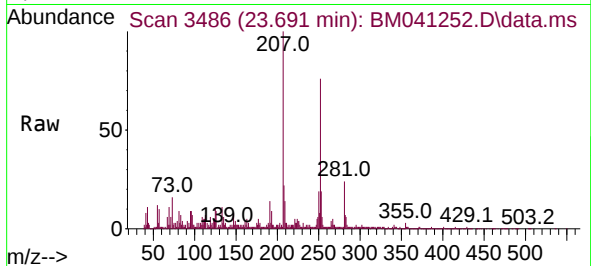
Tgt Ion:252 Resp: 94721
Ion Ratio Lower Upper
252 100
253 27.6 17.4 26.0#
125 16.2 7.6 11.4#





#90
Benzo(a)pyrene
Concen: 4.746 ng
RT: 23.691 min Scan# 3487
Delta R.T. -0.006 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

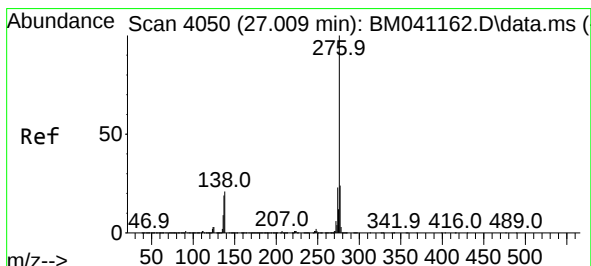
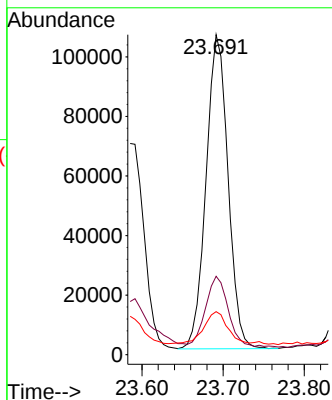
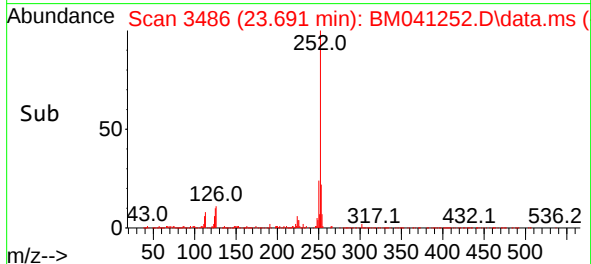
Instrument :
BNA_M
ClientSampleId :
RB-57-(1-3)



Tgt Ion: 252 Resp: 198480
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 13.5 9.0 13.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/03/2023
Supervised By : mohammad ahmed 08/03/2023



#92
Benzo(g,h,i)perylene
Concen: 2.832 ng
RT: 27.003 min Scan# 4049
Delta R.T. -0.012 min
Lab File: BM041252.D
Acq: 02 Aug 2023 19:36

Tgt Ion: 276 Resp: 124532
Ion Ratio Lower Upper
276 100
277 26.4 19.1 28.7
138 20.2 17.1 25.7

