

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110923\
 Data File : BM042681.D
 Acq On : 09 Nov 2023 20:57
 Operator : MA/JU
 Sample : 05270-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-3-110623

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/11/2023
 Supervised By :mohammad ahmed 11/11/2023

Quant Time: Nov 09 23:54:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 13:21:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	39669	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	143600	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	88398	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	199602	20.000	ng	# 0.00
76) Chrysene-d12	21.433	240	233225	20.000	ng	0.00
86) Perylene-d12	23.809	264	285981	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	48721	19.821	ng	0.00
7) Phenol-d6	7.010	99	60010	17.802	ng	0.00
23) Nitrobenzene-d5	9.045	82	43536	14.133	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	23142	20.052	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	85553	13.023	ng	0.00
79) Terphenyl-d14	19.868	244	160287	11.653	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.933	122	13827m	11.563	ng	
49) Acenaphthylene	14.227	152	20707	2.522	ng	98
71) Phenanthrene	17.298	178	94208	9.031	ng	99
72) Anthracene	17.386	178	29387	2.844	ng	98
75) Fluoranthene	19.309	202	284286	23.201	ng	98
78) Pyrene	19.674	202	268036	16.737	ng	99
81) Benzo(a)anthracene	21.421	228	154415	10.406	ng	98
83) Chrysene	21.474	228	161396m	10.707	ng	
87) Indeno(1,2,3-cd)pyrene	26.285	276	99720	5.859	ng	# 89
88) Benzo(b)fluoranthene	23.080	252	209381	13.142	ng	98
89) Benzo(k)fluoranthene	23.127	252	69205m	3.898	ng	
90) Benzo(a)pyrene	23.703	252	141601	9.027	ng	94
91) Dibenzo(a,h)anthracene	26.303	278	24061	5.537	ng	# 87
92) Benzo(g,h,i)perylene	27.056	276	98287	6.552	ng	95

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

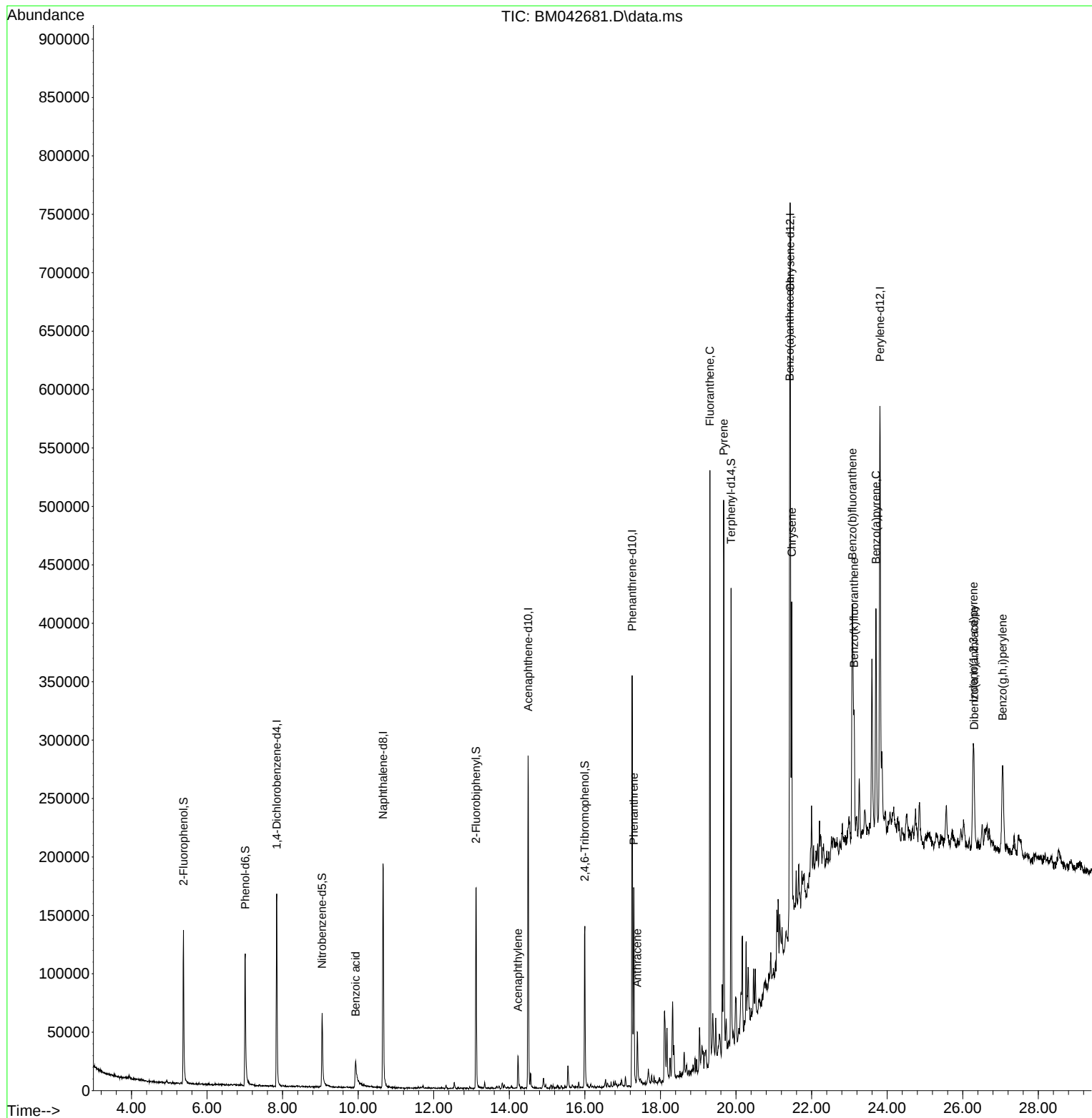
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110923\
Data File : BM042681.D
Acq On : 09 Nov 2023 20:57
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Sample : 05270-01 5X
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ALS Vial : 15 Sample Multiplier: 1

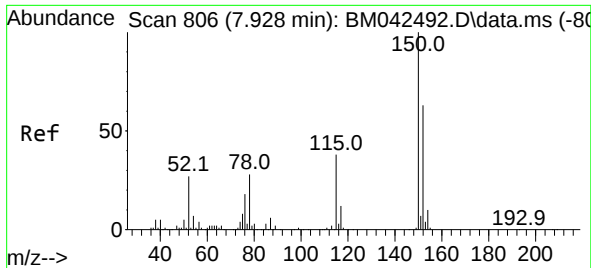
Instrument :
BNA_M
ClientSampleId :
OR-3-110623

Quant Time: Nov 09 23:54:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

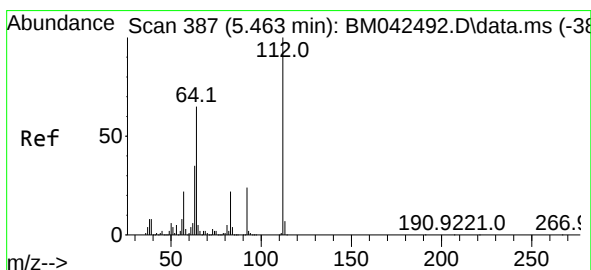
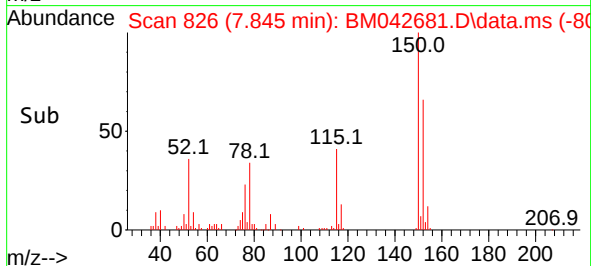
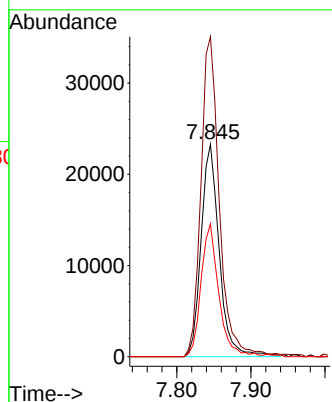
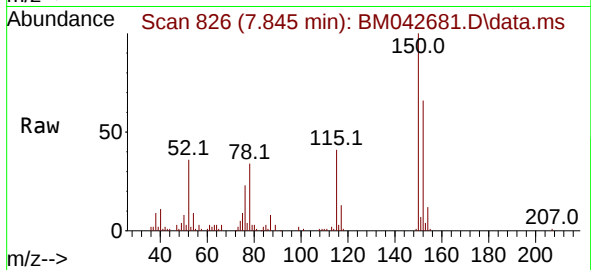
OR-3-110623

Tgt Ion:152 Resp: 39669
Ion Ratio Lower Upper
152 100
150 150.7 127.4 191.0
115 62.5 47.9 71.9

Manual Integrations

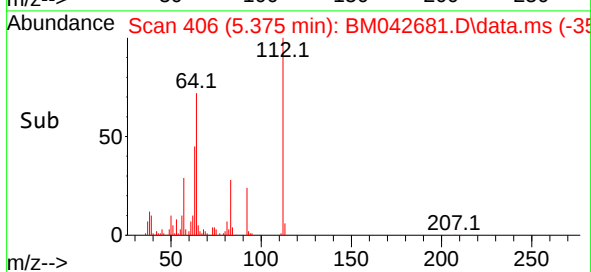
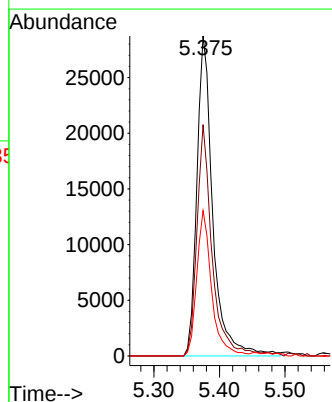
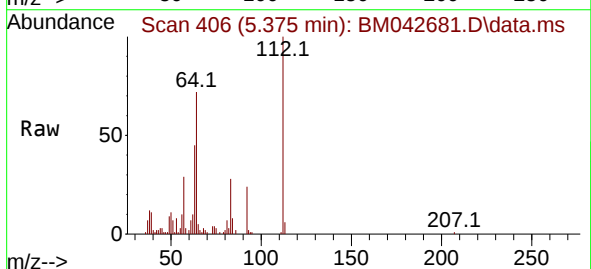
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#5
2-Fluorophenol
Concen: 19.821 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

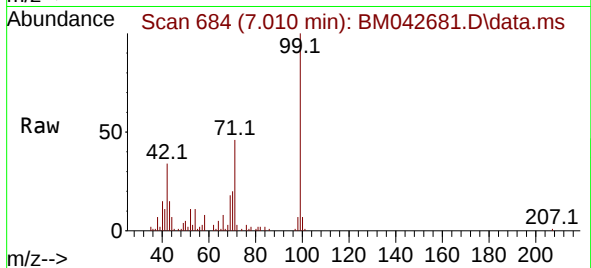
Tgt Ion:112 Resp: 48721
Ion Ratio Lower Upper
112 100
64 72.3 52.1 78.1
63 45.4 28.3 42.5





#7
Phenol-d6
Concen: 17.802 ng
RT: 7.010 min Scan# 60
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

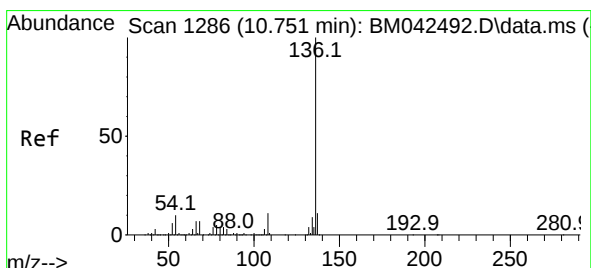
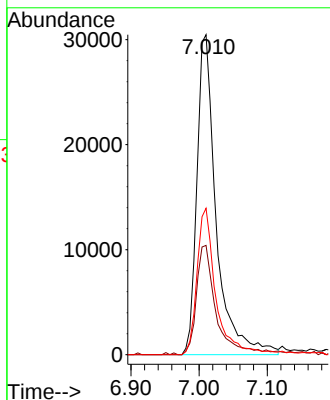
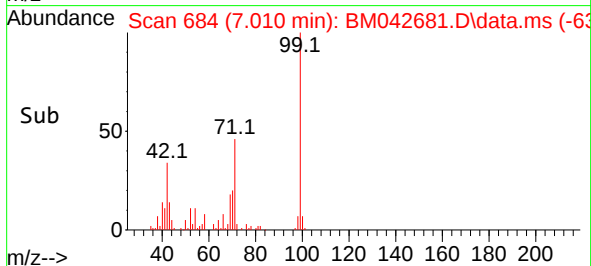
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BNA_M
ClientSampleId :
OR-3-110623



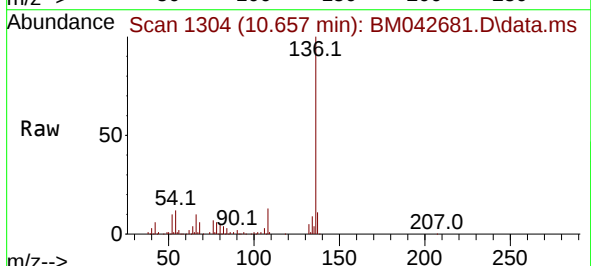
Tgt Ion: 99 Resp: 60010
Ion Ratio Lower Upper
99 100
42 34.1 18.7 28.1
71 45.7 29.1 43.7

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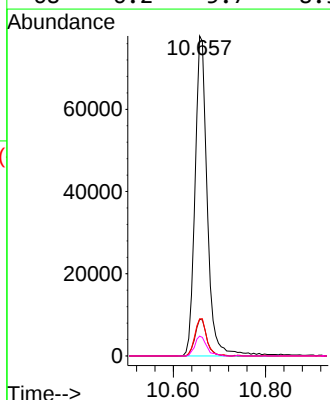
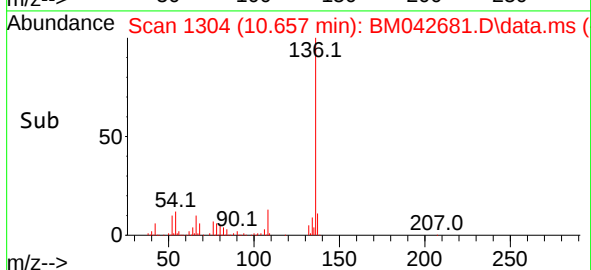
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/11/2023

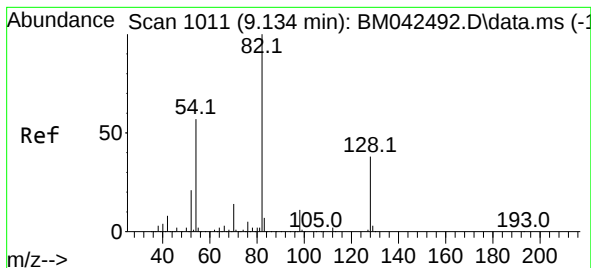


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57



Tgt Ion:136 Resp: 143600
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 11.6 8.0 12.0
68 6.2 5.7 8.5





#23

Nitrobenzene-d5

Concen: 14.133 ng

RT: 9.045 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

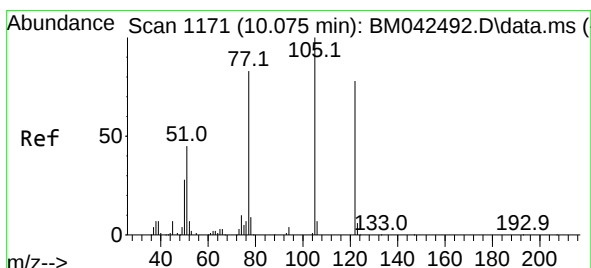
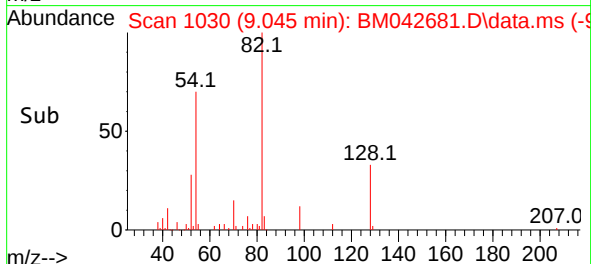
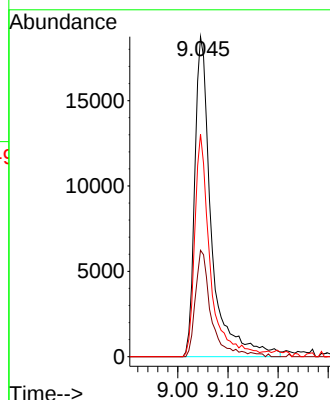
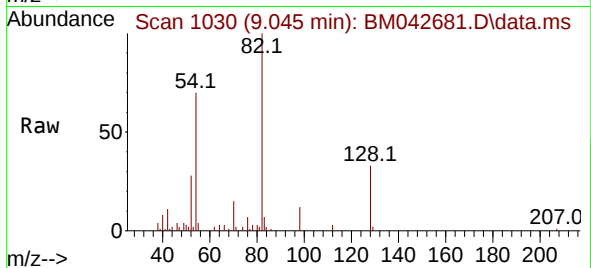
Tgt Ion:	82	Resp:	43530
Ion	Ratio	Lower	Upper
82	100		
128	33.2	30.7	46.1
54	69.6	45.3	67.9

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#32

Benzoic acid

Concen: 11.563 ng m

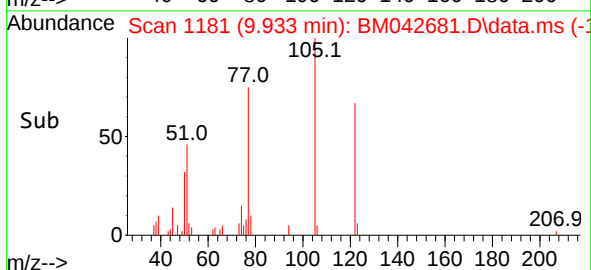
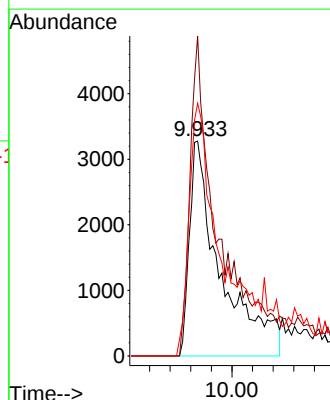
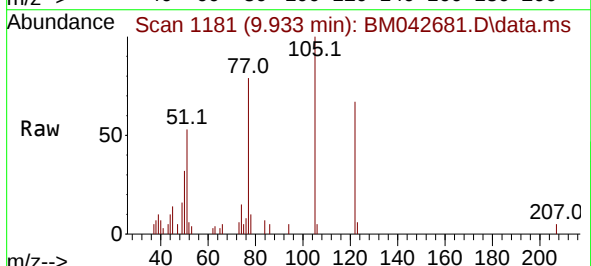
RT: 9.933 min Scan# 1181

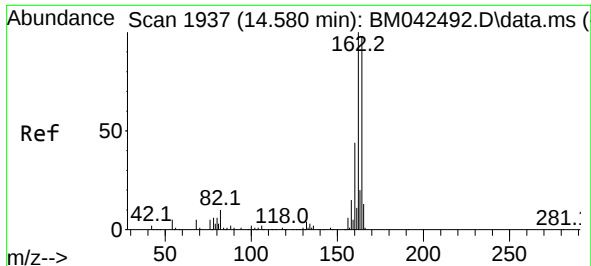
Delta R.T. -0.059 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Tgt Ion:	122	Resp:	13827
Ion	Ratio	Lower	Upper
122	100		
105	149.0	105.2	145.2
77	117.6	84.8	124.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.498 min Scan# 1937

Delta R.T. -0.006 min

Lab File: BM042681.D

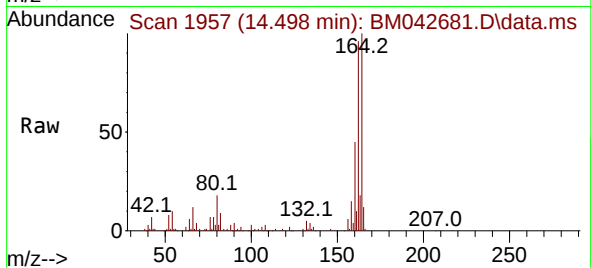
Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623



Tgt Ion:164 Resp: 88398

Ion Ratio Lower Upper

164 100

162 96.4 81.6 122.4

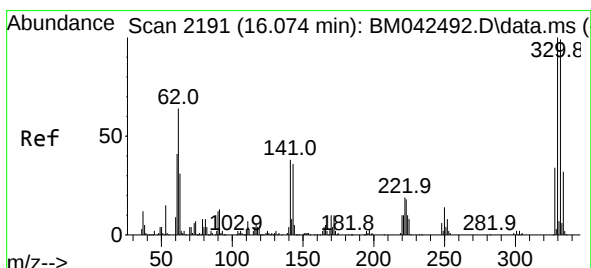
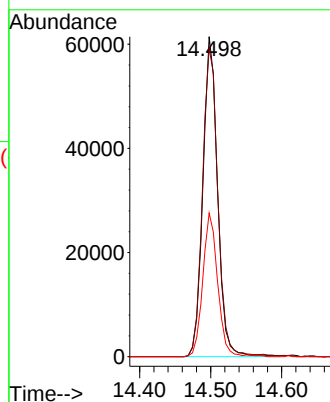
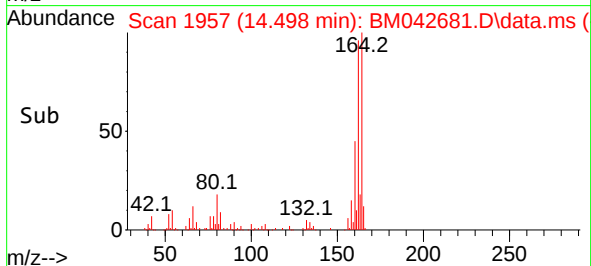
160 44.9 36.2 54.4

Manual Integrations

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Supervised By :mohammad ahmed 11/11/2023



#42

2,4,6-Tribromophenol

Concen: 20.052 ng

RT: 15.998 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

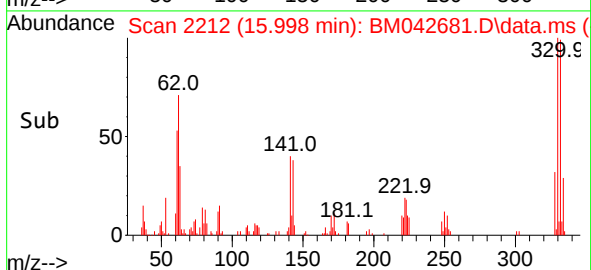
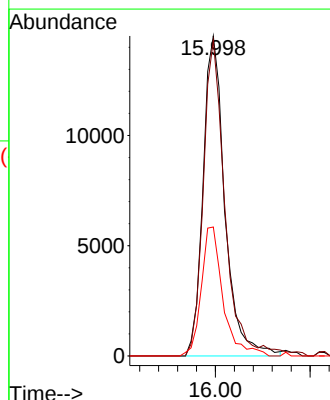
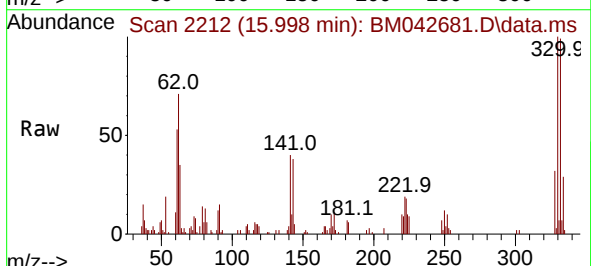
Tgt Ion:330 Resp: 23142

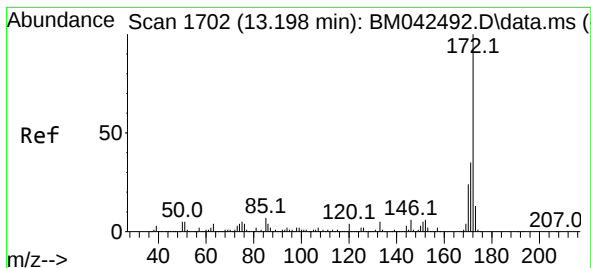
Ion Ratio Lower Upper

330 100

332 98.5 78.8 118.2

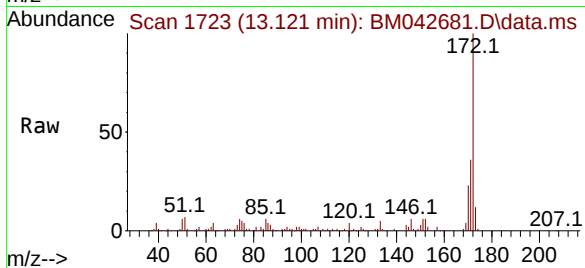
141 40.2 31.1 46.7





#45
2-Fluorobiphenyl
Concen: 13.023 ng
RT: 13.121 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

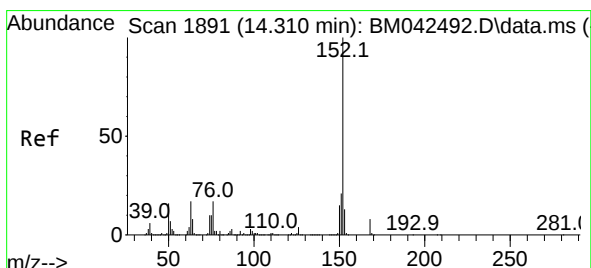
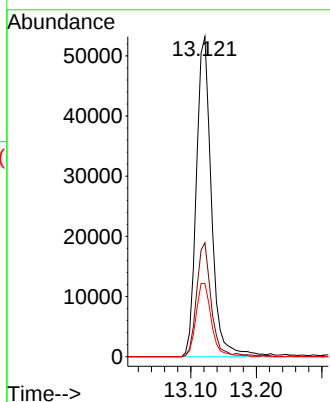
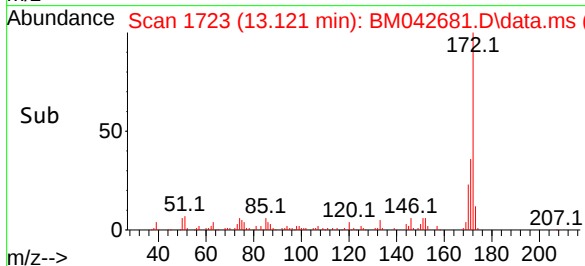
Instrument :
BNA_M
ClientSampleId :
OR-3-110623



Tgt Ion:172 Resp: 8555
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 22.9 19.0 28.4

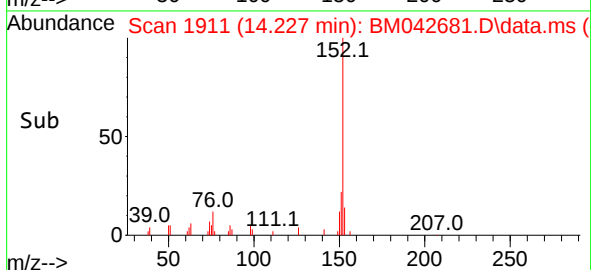
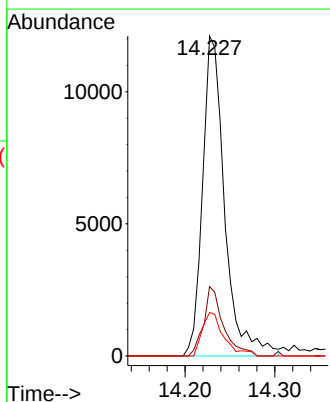
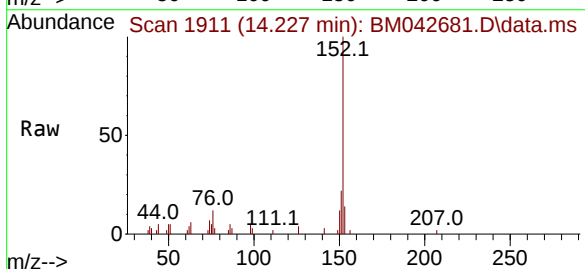
Manual Integrations
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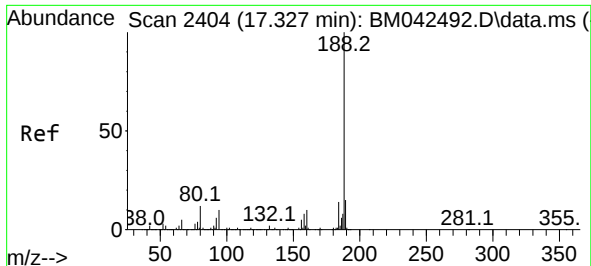
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/11/2023



#49
Acenaphthylene
Concen: 2.522 ng
RT: 14.227 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

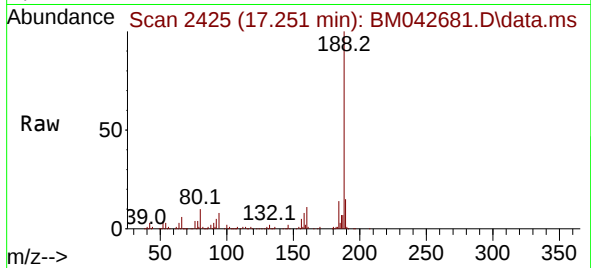
Tgt Ion:152 Resp: 20707
Ion Ratio Lower Upper
152 100
151 21.7 16.4 24.6
153 13.6 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

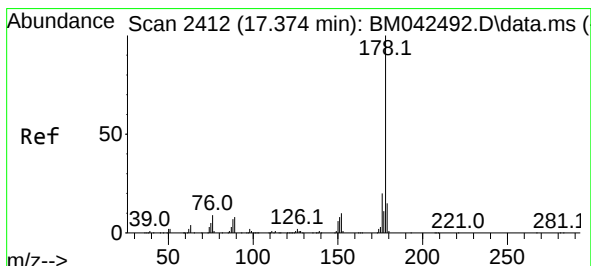
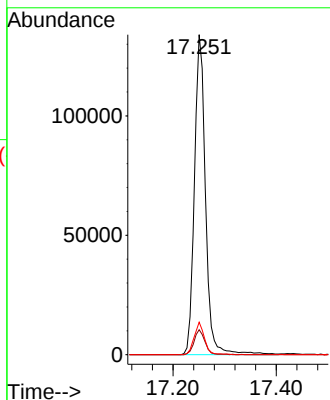
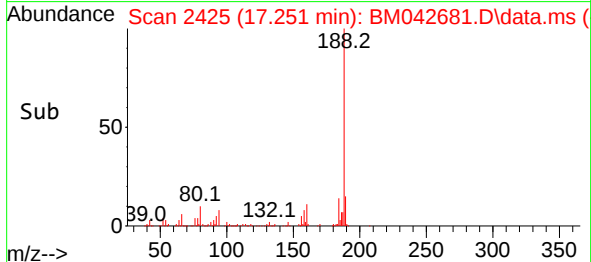
Instrument :
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OR-3-110623



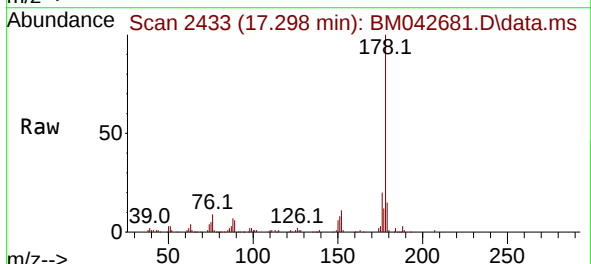
Tgt Ion:188 Resp: 19960
Ion Ratio Lower Upper
188 100
94 7.8 8.2 12.4
80 10.1 9.4 14.2

Manual Integrations
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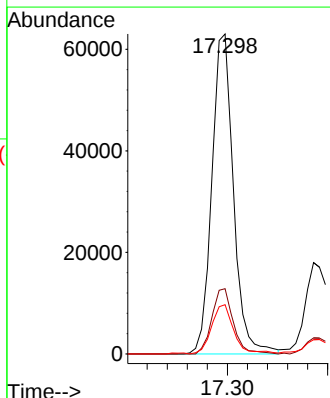
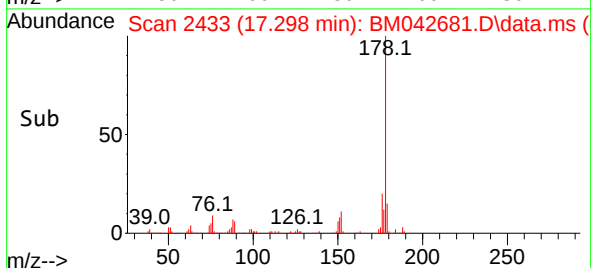
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/11/2023

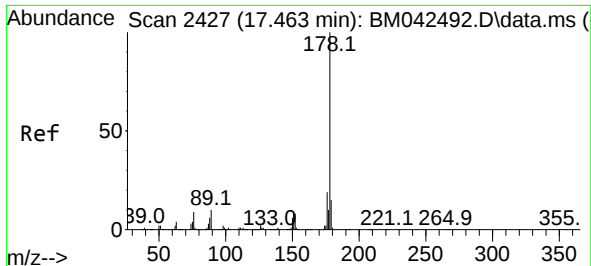


#71
Phenanthrene
Concen: 9.031 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57



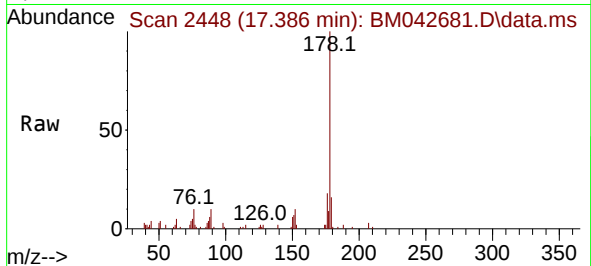
Tgt Ion:178 Resp: 94208
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 15.4 12.2 18.4





#72
 Anthracene
 Concen: 2.844 ng
 RT: 17.386 min Scan# 2427
 Delta R.T. -0.006 min
 Lab File: BM042681.D
 Acq: 09 Nov 2023 20:57

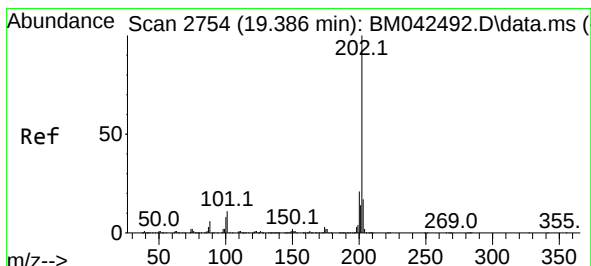
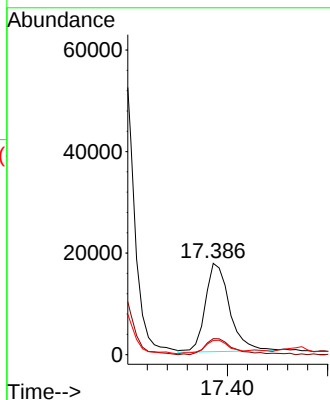
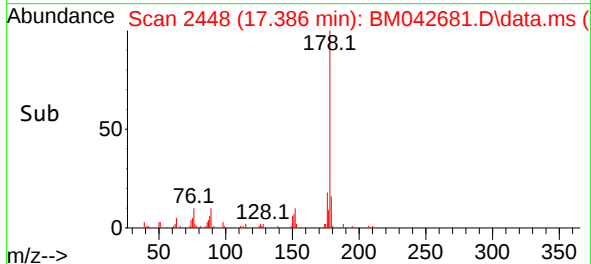
Instrument :
 BNA_M
 ClientSampleId :
 OR-3-110623



Tgt Ion:178 Resp: 2938
 Ion Ratio Lower Upper
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 176 17.5 15.2 22.8
 179 15.5 12.3 18.5

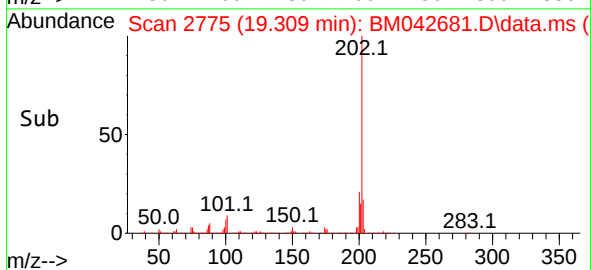
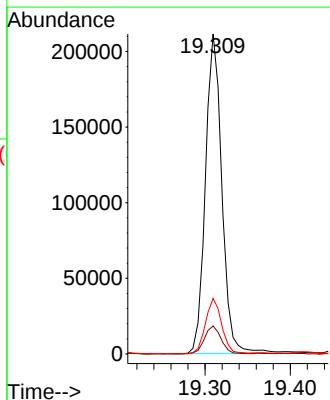
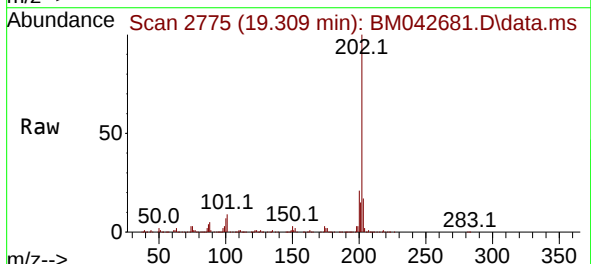
Manual Integrations
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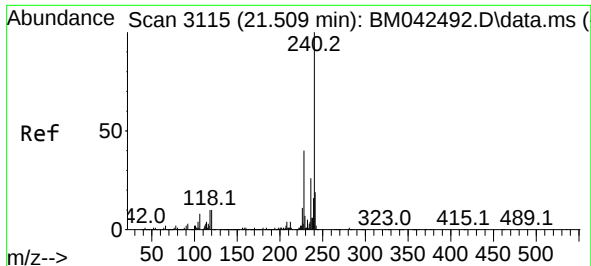
Reviewed By :Yogesh Patel 11/11/2023
 Supervised By :mohammad ahmed 11/11/2023



#75
 Fluoranthene
 Concen: 23.201 ng
 RT: 19.309 min Scan# 2775
 Delta R.T. -0.006 min
 Lab File: BM042681.D
 Acq: 09 Nov 2023 20:57

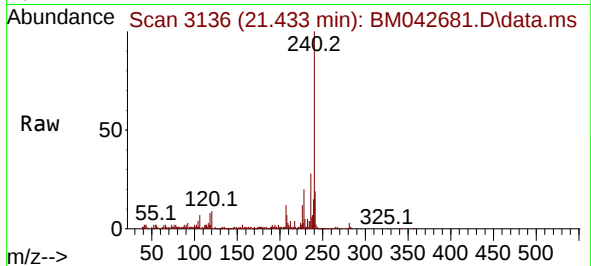
Tgt Ion:202 Resp: 284286
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 30.5
 203 17.3 0.0 37.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

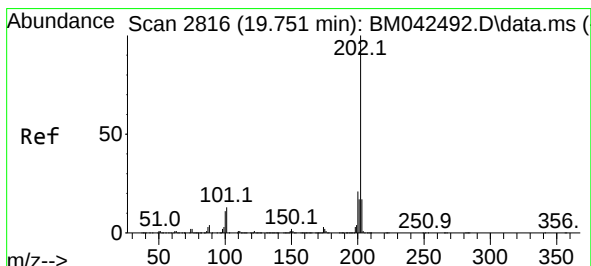
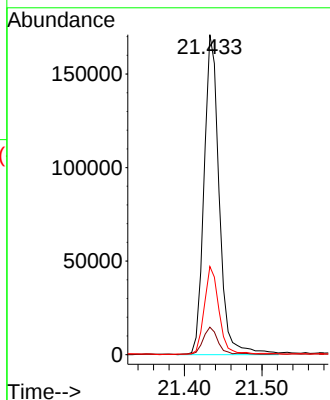
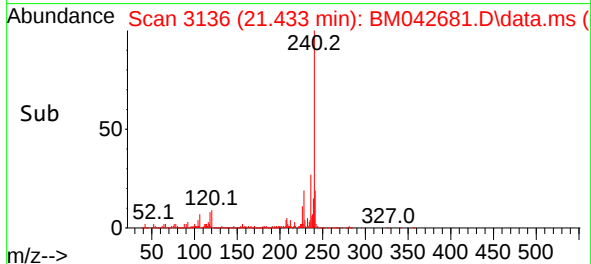
Instrument :
BNA_M
ClientSampleId :
OR-3-110623



Tgt Ion:240 Resp: 233225
Ion Ratio Lower Upper
240 100
120 8.6 8.3 12.5
236 27.5 20.8 31.2

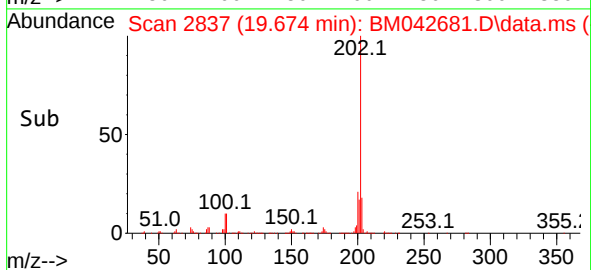
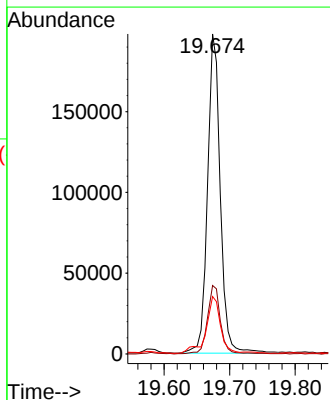
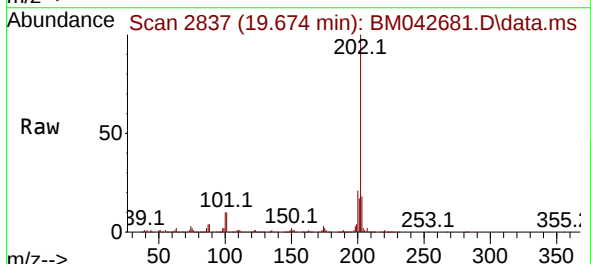
Manual Integrations
APPROVED

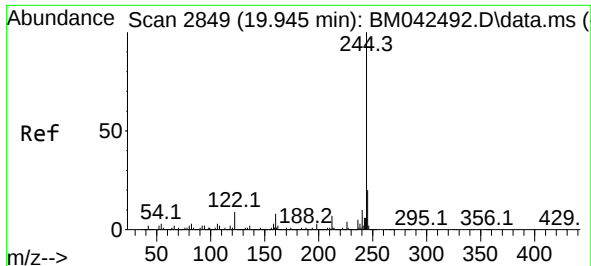
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/11/2023



#78
Pyrene
Concen: 16.737 ng
RT: 19.674 min Scan# 2837
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion:202 Resp: 268036
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 17.9 13.7 20.5





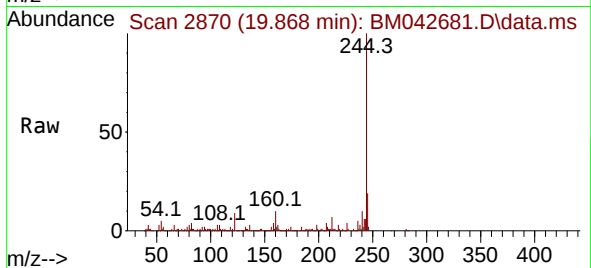
#79
Terphenyl-d14
Concen: 11.653 ng
RT: 19.868 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

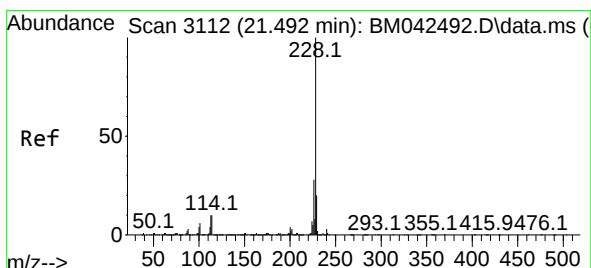
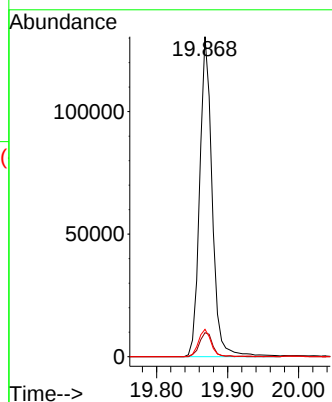
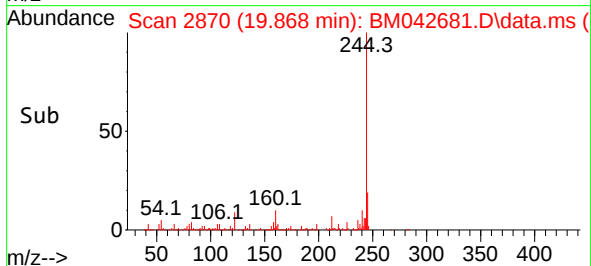


Tgt Ion:244 Resp: 16028
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.2
122 8.6 7.2 10.8

Manual Integrations

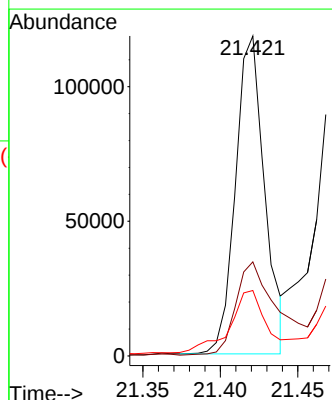
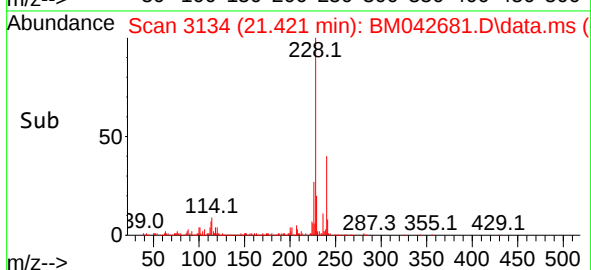
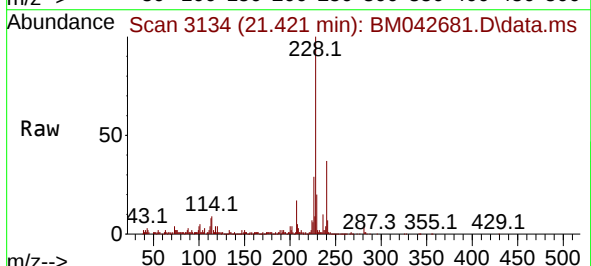
APPROVED

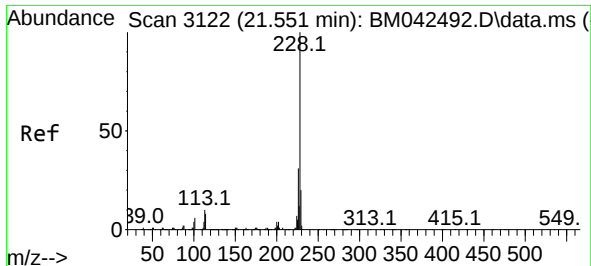
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/11/2023



#81
Benzo(a)anthracene
Concen: 10.406 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

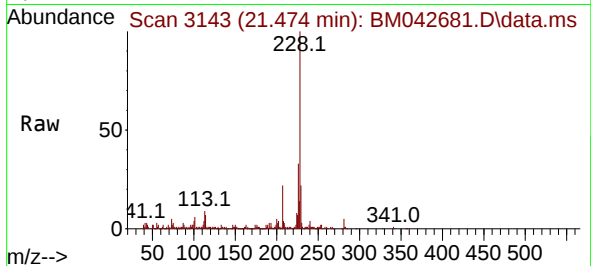
Tgt Ion:228 Resp: 154415
Ion Ratio Lower Upper
228 100
226 29.4 22.3 33.5
229 20.4 15.8 23.8





#83
Chrysene
Concen: 10.707 ng m
RT: 21.474 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

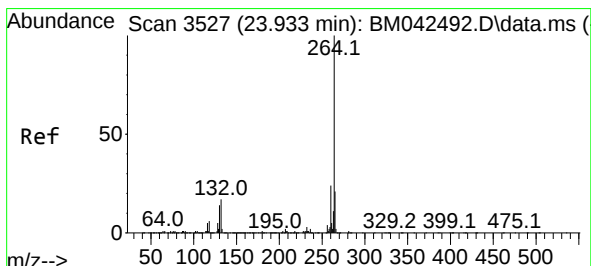
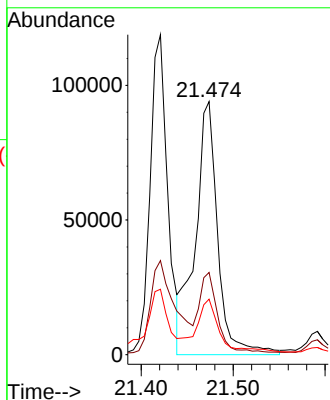
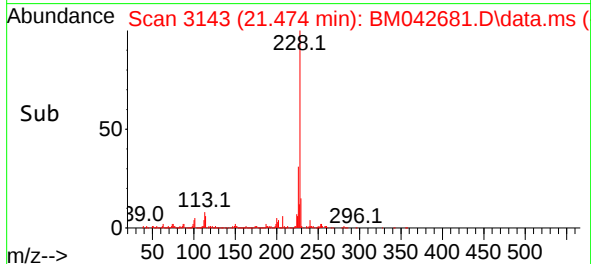
Instrument :
BNA_M
ClientSampleId :
OR-3-110623



Tgt Ion:228 Resp: 161390
Ion Ratio Lower Upper
228 100
226 32.5 24.4 36.6
229 22.0 15.7 23.5

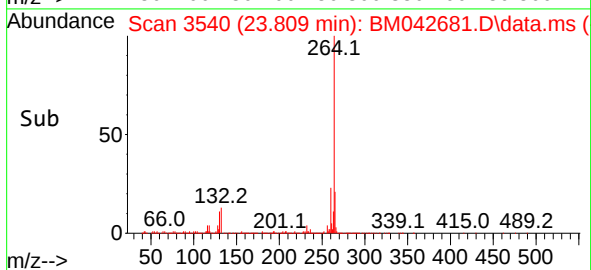
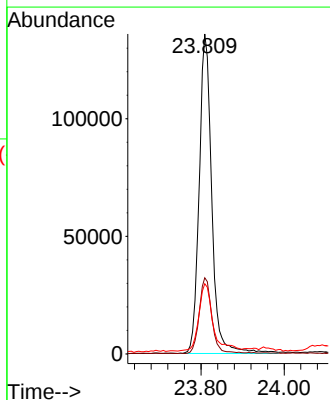
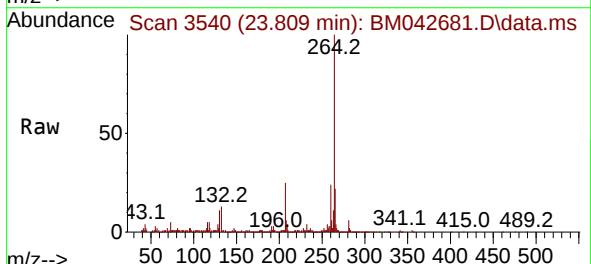
Manual Integrations
APPROVED

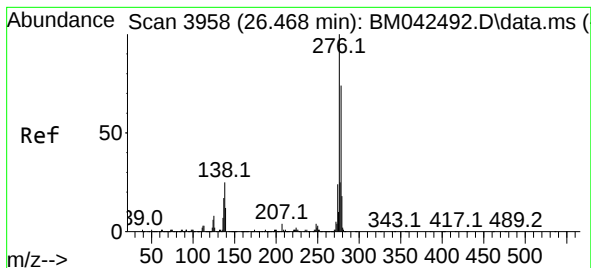
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/11/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.809 min Scan# 3540
Delta R.T. -0.006 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion:264 Resp: 285981
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.4
265 22.0 18.7 28.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.859 ng

RT: 26.285 min Scan# 3958

Delta R.T. -0.018 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

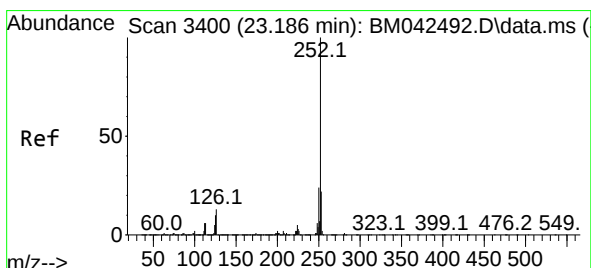
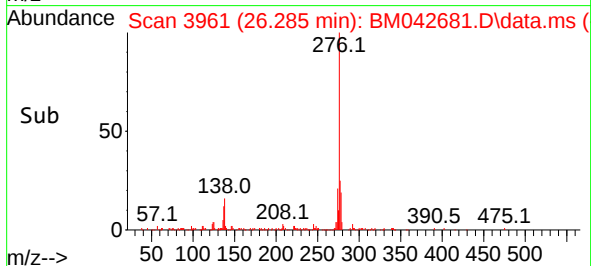
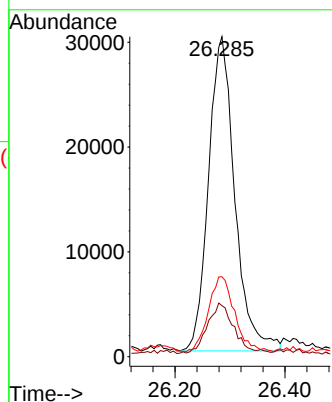
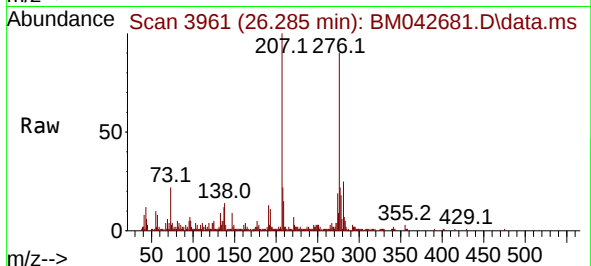
Tgt Ion:	276	Resp:	99720
Ion Ratio	Lower	Upper	
276	100		
138	15.9	20.6	31.0
277	23.6	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/11/2023

Supervised By :mohammad ahmed 11/11/2023



#88

Benzo(b)fluoranthene

Concen: 13.142 ng

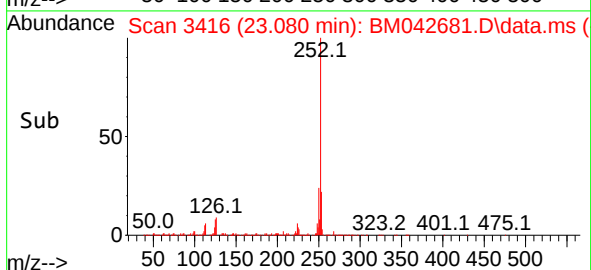
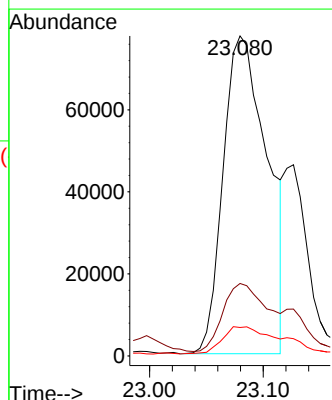
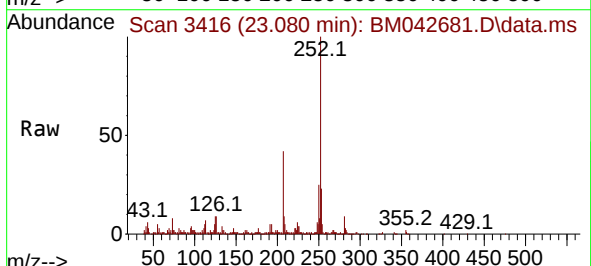
RT: 23.080 min Scan# 3416

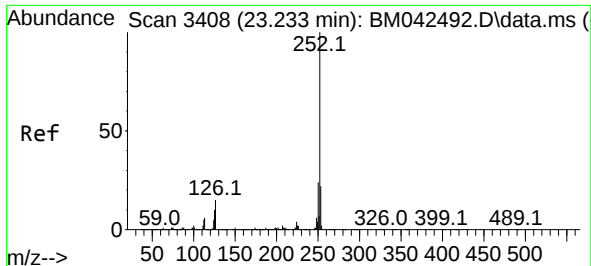
Delta R.T. -0.006 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

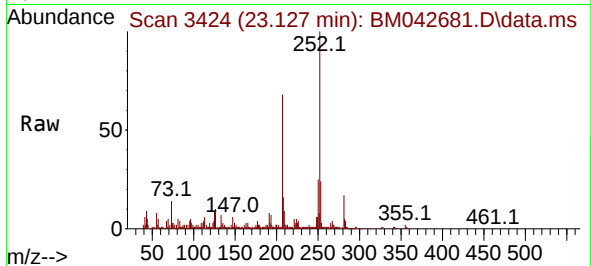
Tgt Ion:	252	Resp:	209381
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	8.9	7.8	11.6





#89
Benzo(k)fluoranthene
Concen: 3.898 ng m
RT: 23.127 min Scan# 3408
Delta R.T. -0.012 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

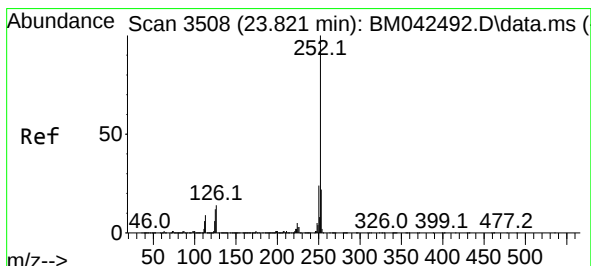
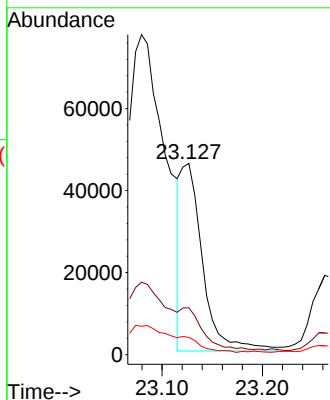
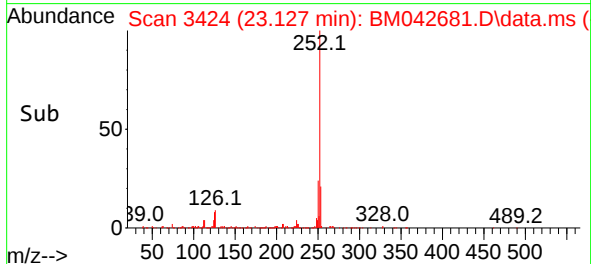
Instrument :
BNA_M
ClientSampleId :
OR-3-110623



Tgt Ion:252 Resp: 69205
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 9.0 8.2 12.4

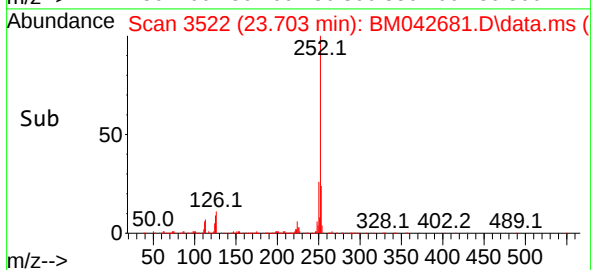
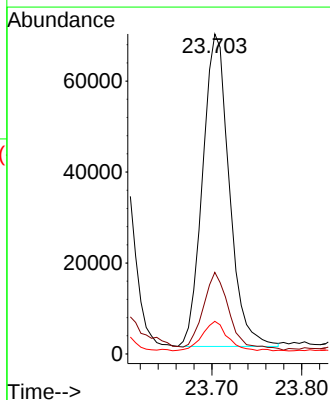
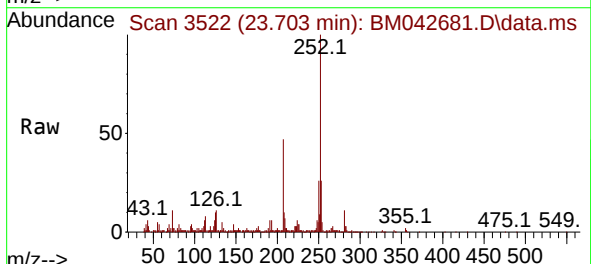
Manual Integrations
APPROVED

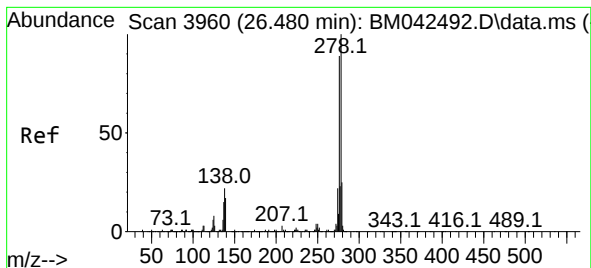
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/11/2023



#90
Benzo(a)pyrene
Concen: 9.027 ng
RT: 23.703 min Scan# 3522
Delta R.T. -0.012 min
Lab File: BM042681.D
Acq: 09 Nov 2023 20:57

Tgt Ion:252 Resp: 141601
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 10.2 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 5.537 ng

RT: 26.303 min Scan# 3964

Delta R.T. -0.012 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Instrument :

BNA_M

ClientSampleId :

OR-3-110623

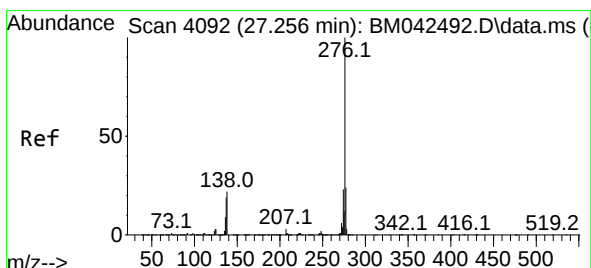
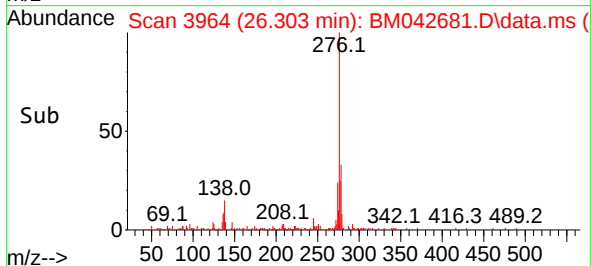
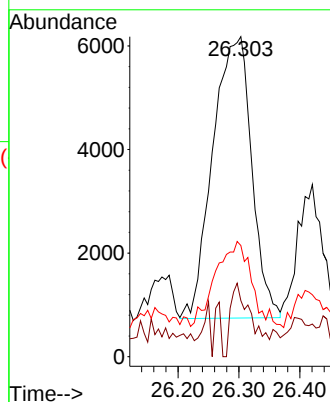
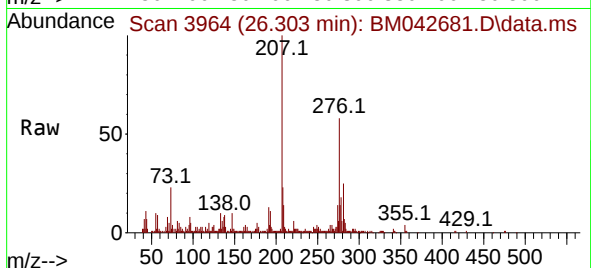
Tgt Ion:	278	Resp:	2406
Ion Ratio	Lower	Upper	
278	100		
139	17.6	13.4	20.2
279	34.8	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/11/2023

Supervised By :mohammad ahmed 11/11/2023



#92

Benzo(g,h,i)perylene

Concen: 6.552 ng

RT: 27.056 min Scan# 4092

Delta R.T. -0.024 min

Lab File: BM042681.D

Acq: 09 Nov 2023 20:57

Tgt Ion:	276	Resp:	98287
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.2	28.8
138	17.9	17.3	25.9

