

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
 Data File : BM042520.D
 Acq On : 31 Oct 2023 20:46
 Operator : MA/JU
 Sample : 04938-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-6(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

Quant Time: Nov 01 01:50:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	73006	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	272862	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	157986	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	336286	20.000	ng	0.00
76) Chrysene-d12	21.509	240	356968	20.000	ng	0.00
86) Perylene-d12	23.927	264	399067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	352234	77.865	ng	0.00
7) Phenol-d6	7.093	99	454866	73.318	ng	0.00
23) Nitrobenzene-d5	9.122	82	310380	53.026	ng	-0.01
42) 2,4,6-Tribromophenol	16.068	330	168800	81.837	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	523136	44.557	ng	0.00
79) Terphenyl-d14	19.939	244	706678	33.567	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.792	128	77681	5.510	ng	99
37) 2-Methylnaphthalene	12.398	142	24711	2.489	ng	95
38) 1-Methylnaphthalene	12.616	142	21077	2.255	ng	100
49) Acenaphthylene	14.304	152	175597	11.967	ng	98
58) Fluorene	15.621	166	66822	5.704	ng	97
71) Phenanthrene	17.368	178	1144557	65.128	ng	99
72) Anthracene	17.457	178	246938	14.186	ng	100
75) Fluoranthene	19.380	202	1250146	60.558	ng	99
78) Pyrene	19.751	202	1742236	71.078	ng	100
81) Benzo(a)anthracene	21.492	228	721061	31.748	ng	94
83) Chrysene	21.545	228	631589	27.376	ng	96
87) Indeno(1,2,3-cd)pyrene	26.450	276	348450	14.671	ng	# 93
88) Benzo(b)fluoranthene	23.186	252	710808m	31.971	ng	
89) Benzo(k)fluoranthene	23.227	252	224615m	9.066	ng	
90) Benzo(a)pyrene	23.821	252	599733	27.399	ng	96
91) Dibenzo(a,h)anthracene	26.462	278	89366	7.862	ng	# 92
92) Benzo(g,h,i)perylene	27.244	276	379857	18.146	ng	98

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

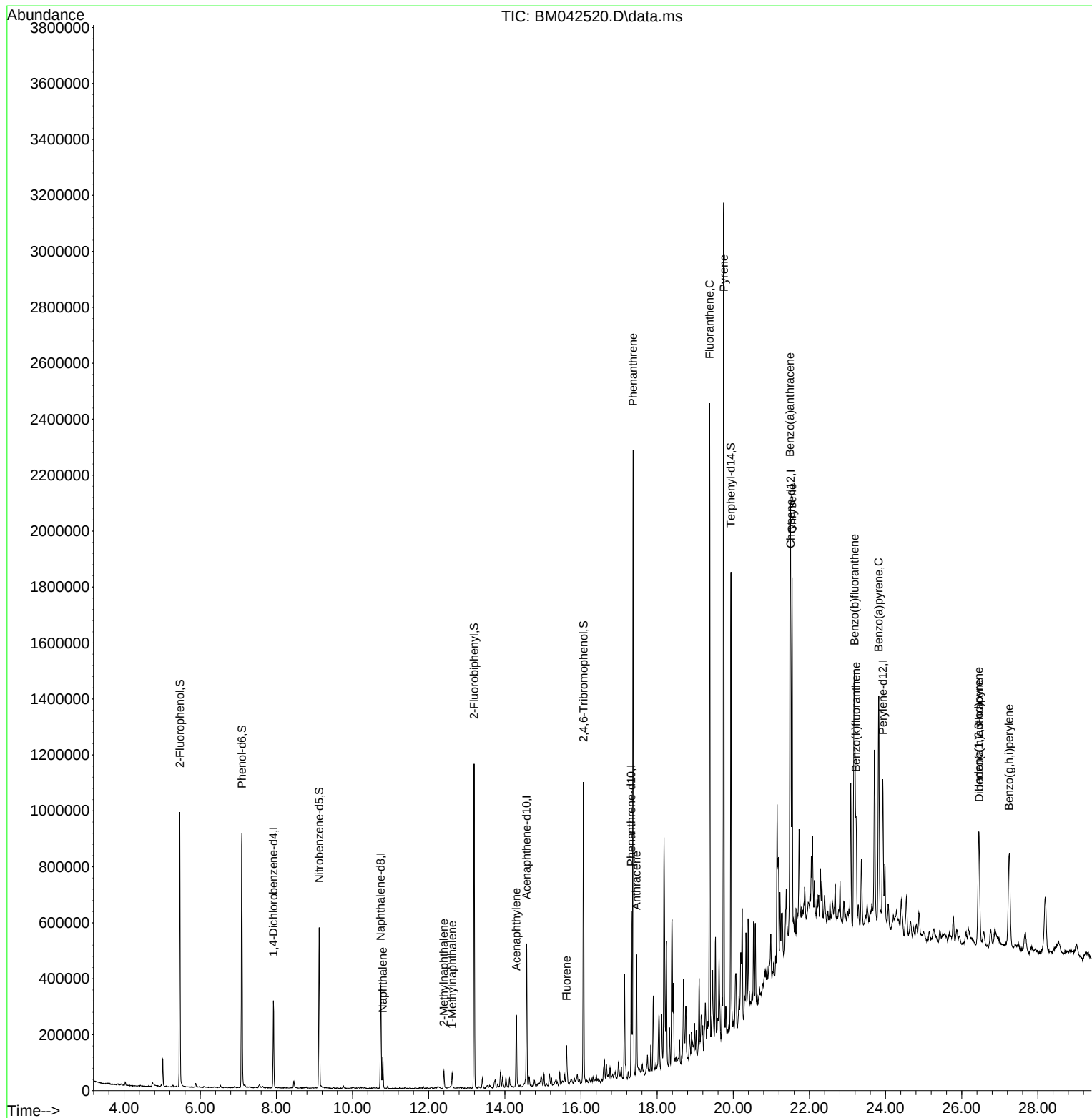
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Data File : BM042520.D
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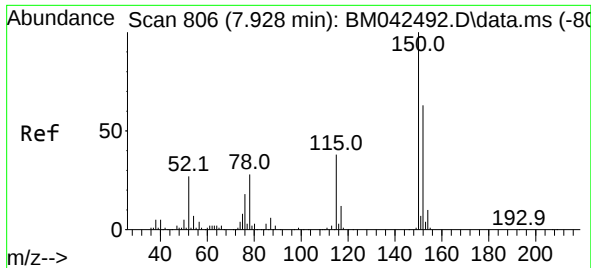
Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Quant Time: Nov 01 01:50:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

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Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023





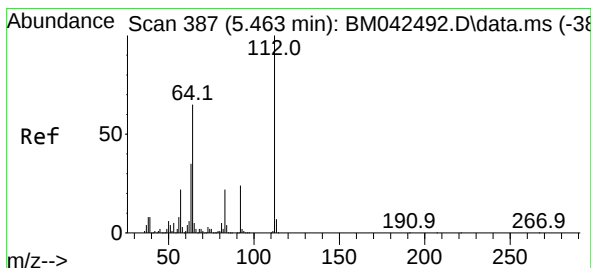
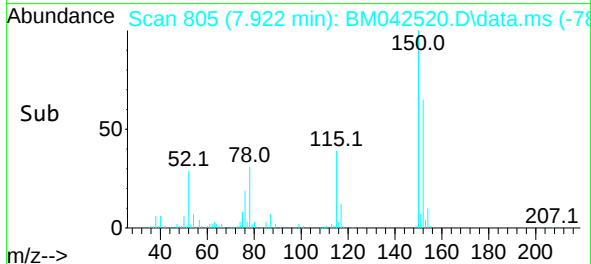
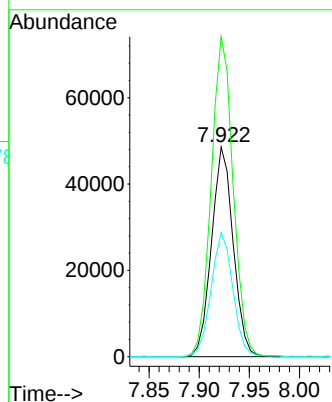
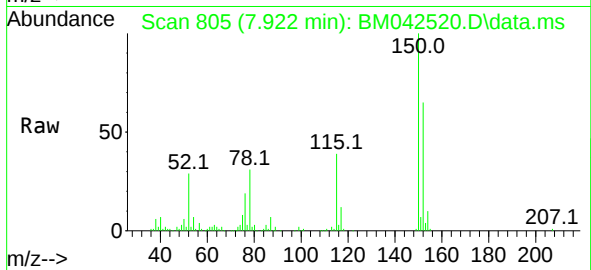
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Tgt Ion:152 Resp: 73000
Ion Ratio Lower Upper
152 100
150 152.7 127.4 191.0
115 59.3 47.9 71.9

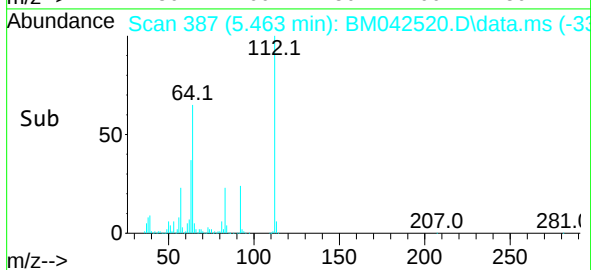
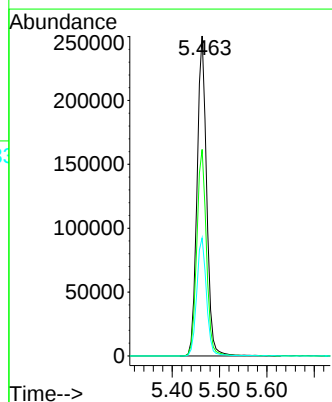
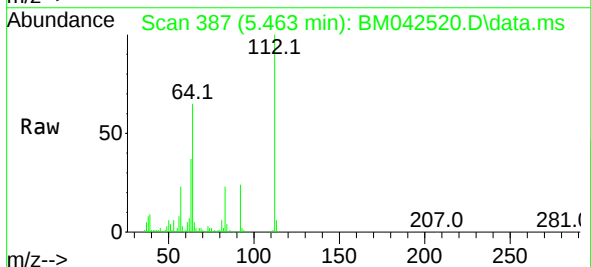
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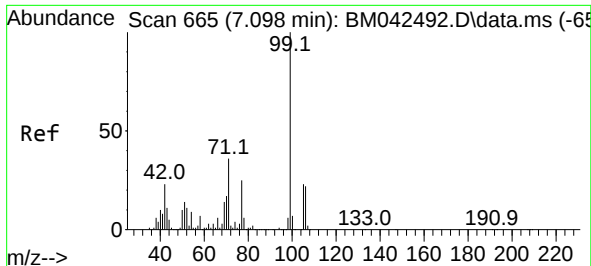
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#5
2-Fluorophenol
Concen: 77.865 ng
RT: 5.463 min Scan# 387
Delta R.T. -0.000 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

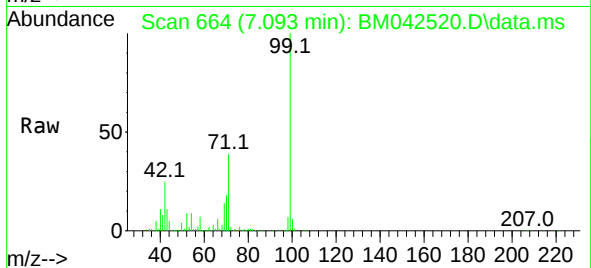
Tgt Ion:112 Resp: 352234
Ion Ratio Lower Upper
112 100
64 64.6 52.1 78.1
63 36.9 28.3 42.5





#7
Phenol-d6
Concen: 73.318 ng
RT: 7.093 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

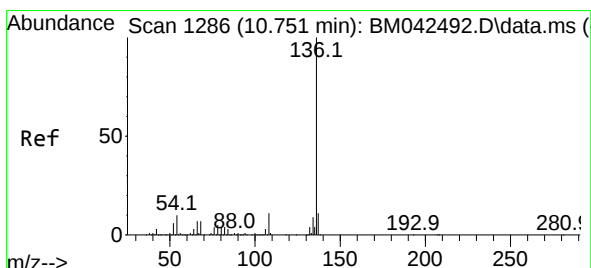
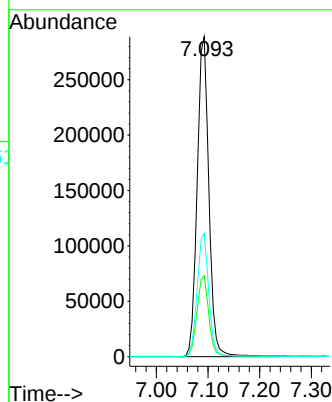
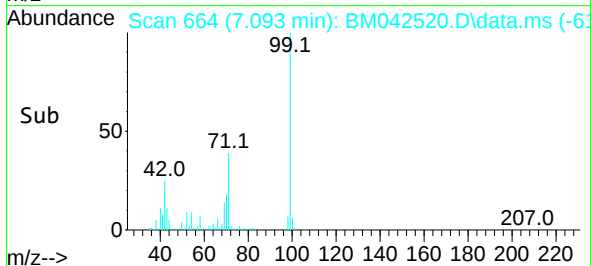
Instrument :
BNA_M
ClientSampleId :
A-6(0-2)



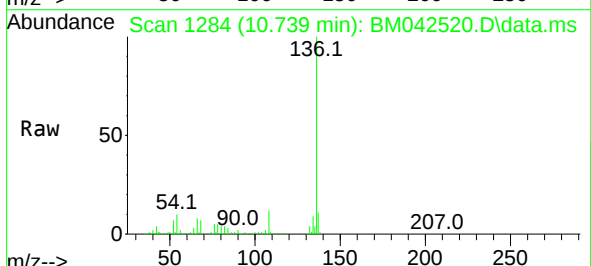
Tgt Ion: 99 Resp: 454860
Ion Ratio Lower Upper
99 100
42 25.3 18.7 28.1
71 38.5 29.1 43.7

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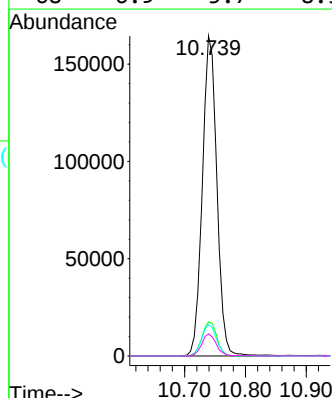
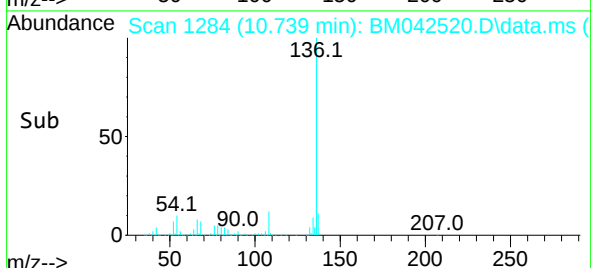
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

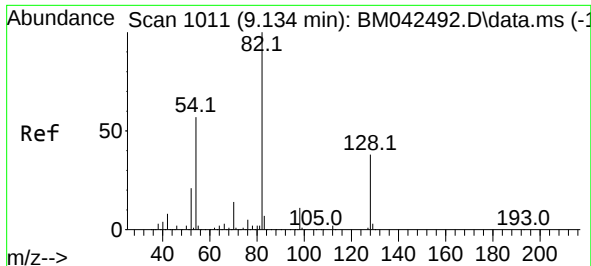


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46



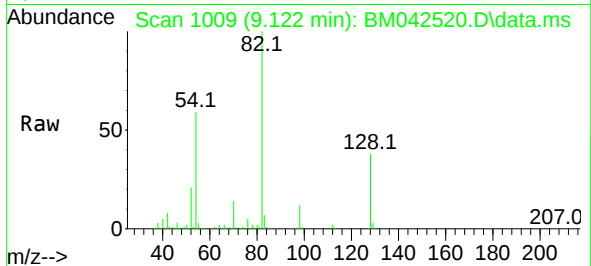
Tgt Ion:136 Resp: 272862
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 9.8 8.0 12.0
68 6.9 5.7 8.5





#23
Nitrobenzene-d5
Concen: 53.026 ng
RT: 9.122 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

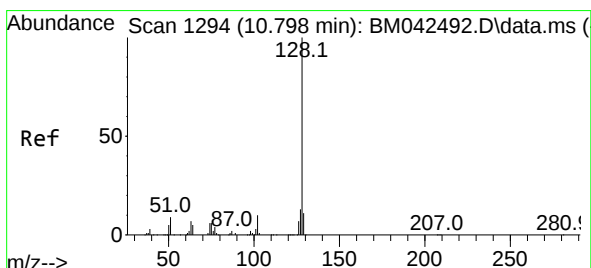
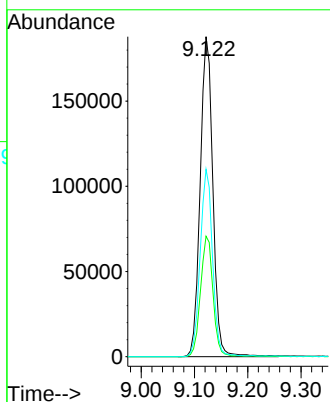
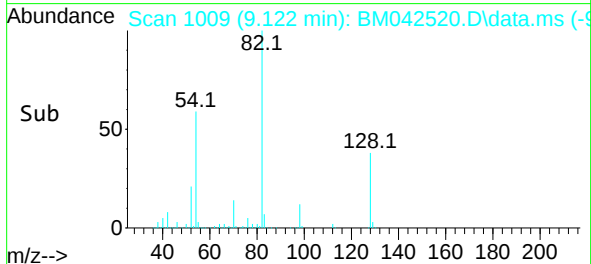
Instrument :
BNA_M
ClientSampleId :
A-6(0-2)



Tgt Ion: 82 Resp: 310380
Ion Ratio Lower Upper
82 100
128 37.7 30.7 46.1
54 58.5 45.3 67.9

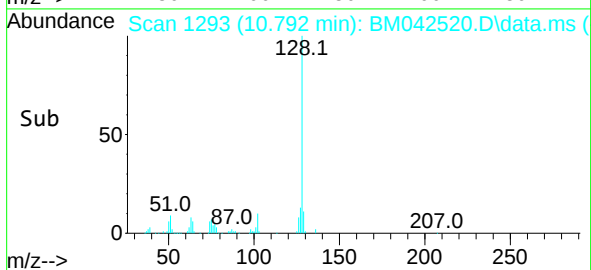
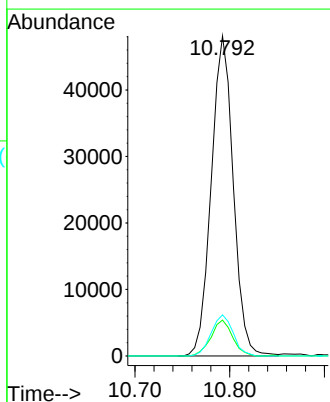
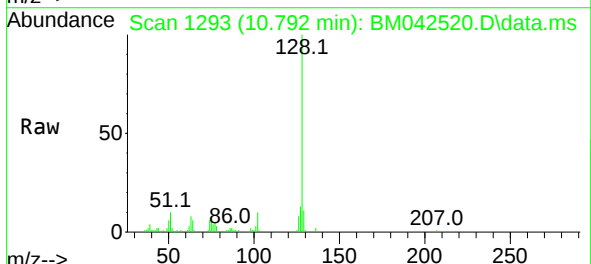
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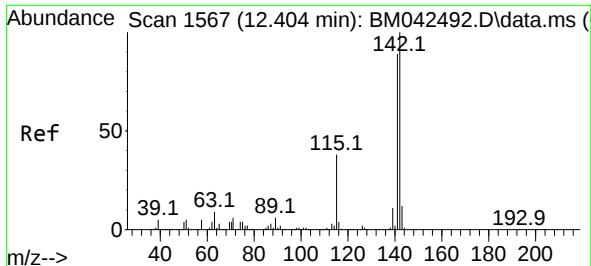
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#31
Naphthalene
Concen: 5.510 ng
RT: 10.792 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

Tgt Ion:128 Resp: 77681
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.8 10.6 15.8





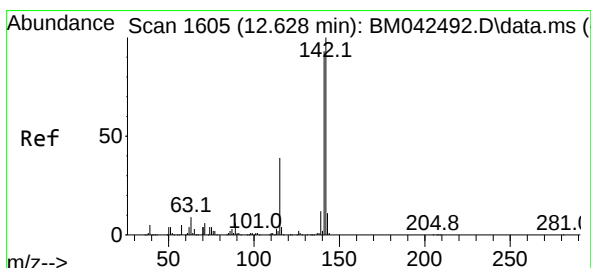
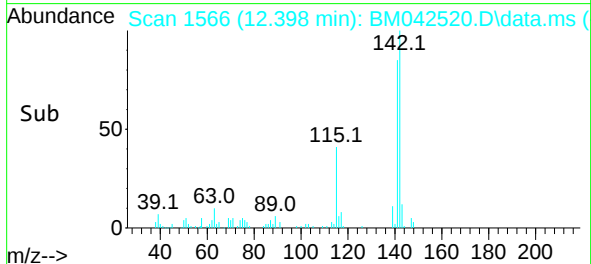
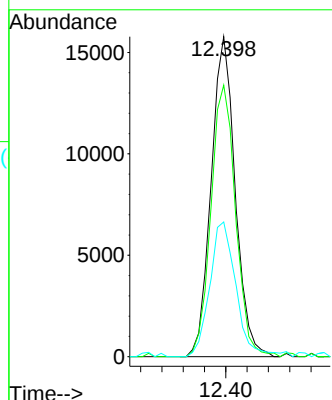
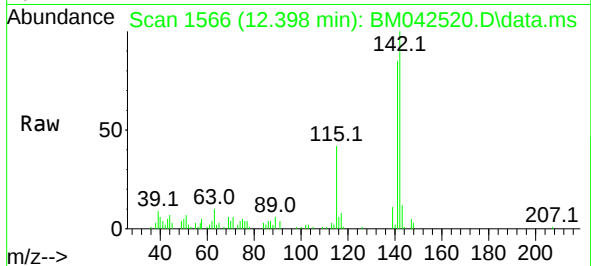
#37
2-Methylnaphthalene
Concen: 2.489 ng
RT: 12.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Tgt Ion:142 Resp: 2471
Ion Ratio Lower Upper
142 100
141 84.8 70.9 106.3
115 42.1 30.2 45.2

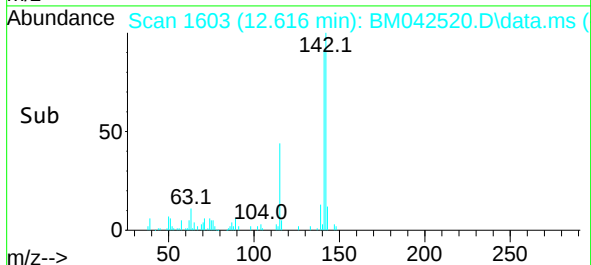
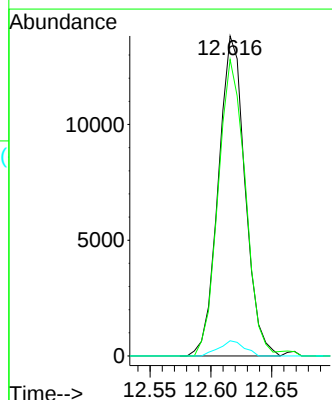
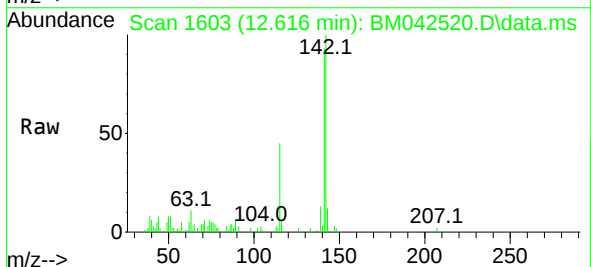
Manual Integrations
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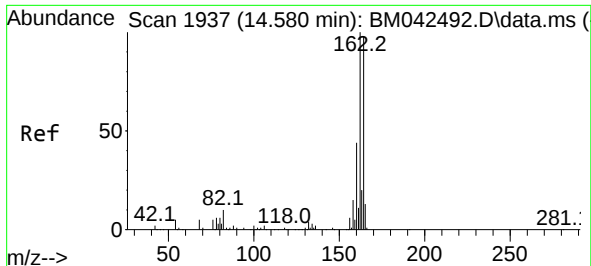
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#38
1-Methylnaphthalene
Concen: 2.255 ng
RT: 12.616 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

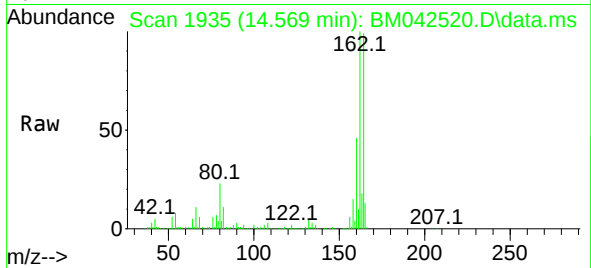
Tgt Ion:142 Resp: 21077
Ion Ratio Lower Upper
142 100
141 92.6 74.4 111.6
116 4.8 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. -0.011 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

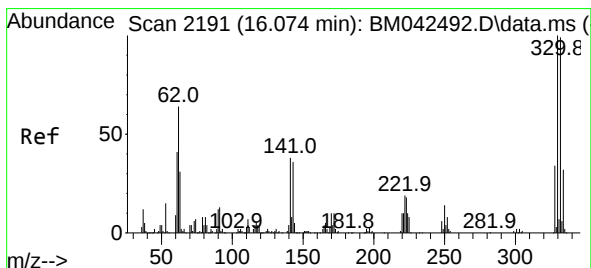
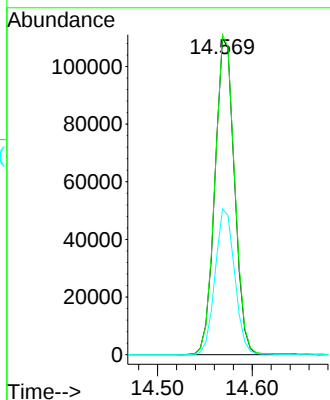
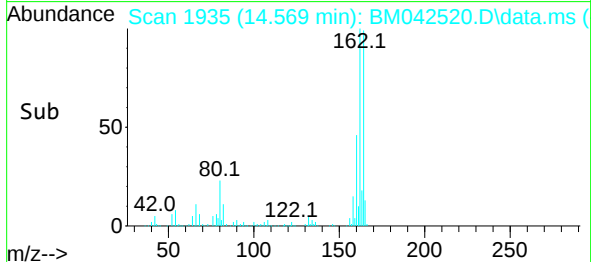
Instrument :
BNA_M
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A-6(0-2)



Tgt Ion:164 Resp: 157980
Ion Ratio Lower Upper
164 100
162 101.1 81.6 122.4
160 46.0 36.2 54.4

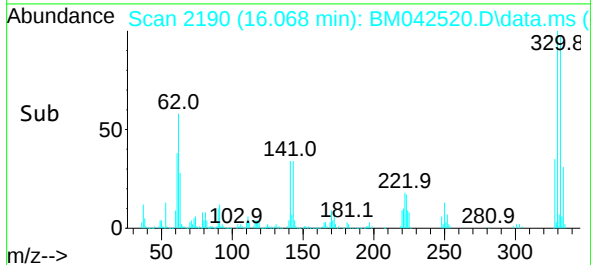
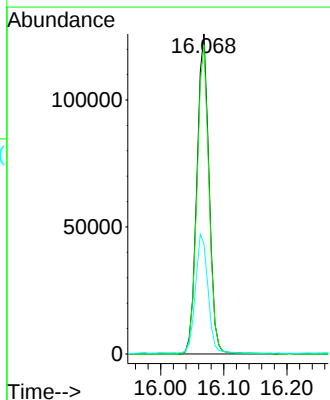
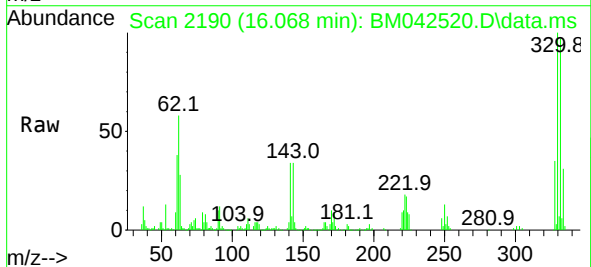
Manual Integrations
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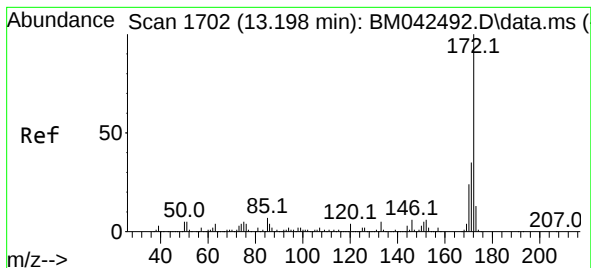
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#42
2,4,6-Tribromophenol
Concen: 81.837 ng
RT: 16.068 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

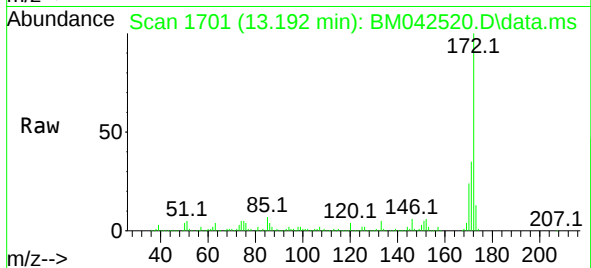
Tgt Ion:330 Resp: 168800
Ion Ratio Lower Upper
330 100
332 95.6 78.8 118.2
141 38.2 31.1 46.7





#45
2-Fluorobiphenyl
Concen: 44.557 ng
RT: 13.192 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

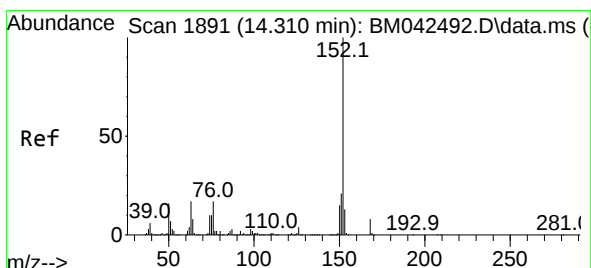
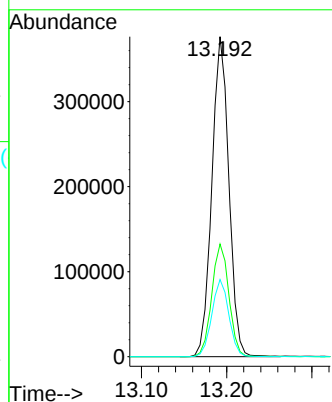
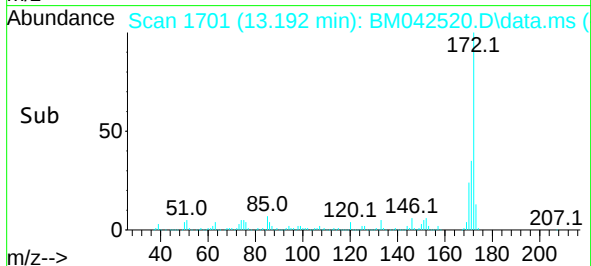
Instrument :
BNA_M
ClientSampleId :
A-6(0-2)



Tgt Ion:172 Resp: 523130
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 24.1 19.0 28.4

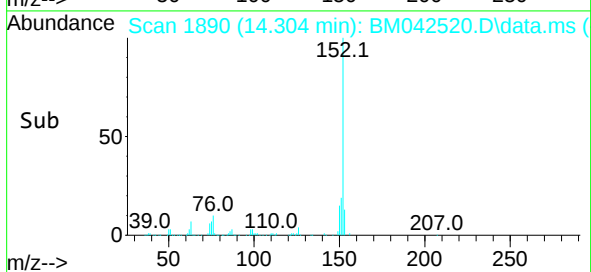
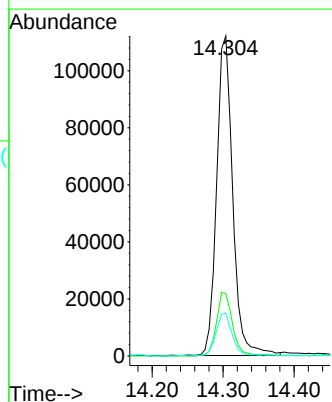
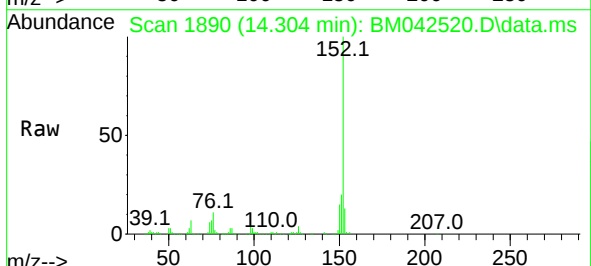
Manual Integrations
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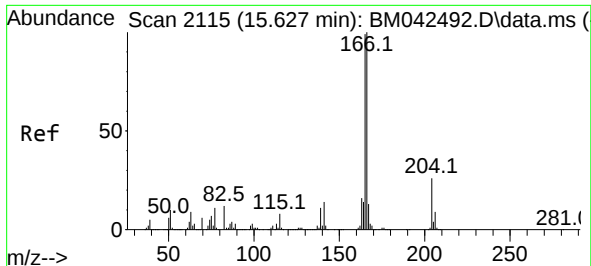
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#49
Acenaphthylene
Concen: 11.967 ng
RT: 14.304 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

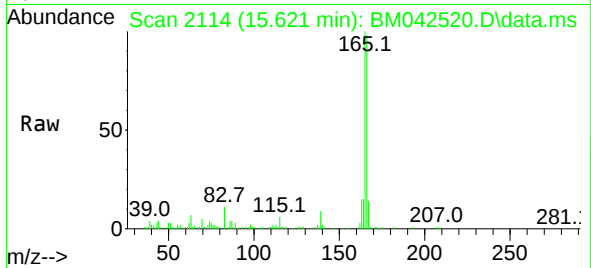
Tgt Ion:152 Resp: 175597
Ion Ratio Lower Upper
152 100
151 19.5 16.4 24.6
153 13.4 10.4 15.6





#58
 Fluorene
 Concen: 5.704 ng
 RT: 15.621 min Scan# 2115
 Delta R.T. -0.006 min
 Lab File: BM042520.D
 Acq: 31 Oct 2023 20:46

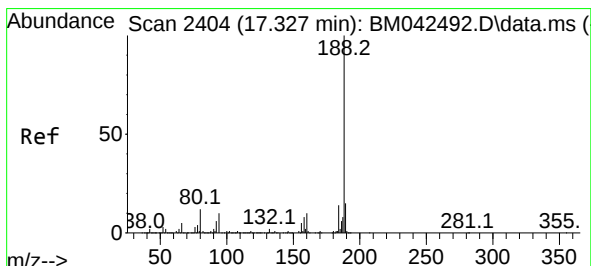
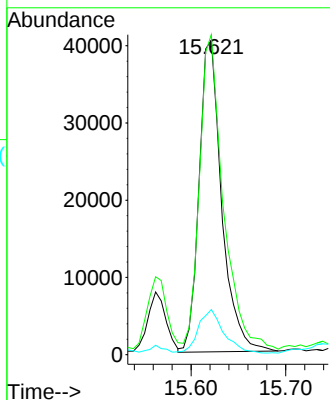
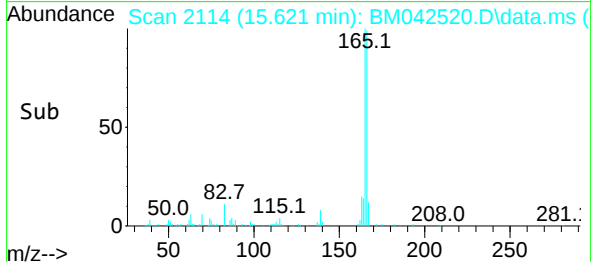
Instrument :
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 A-6(0-2)



Tgt Ion:166 Resp: 6682
 Ion Ratio Lower Upper
 166 100
 165 101.7 79.3 118.9
 167 14.3 10.5 15.7

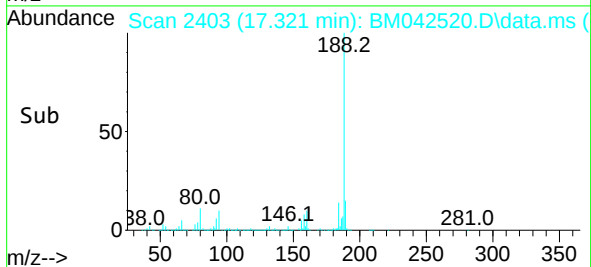
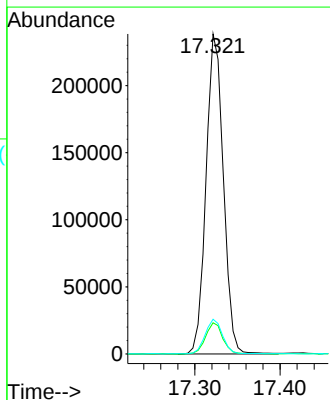
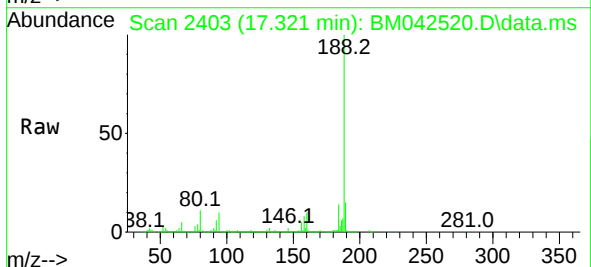
Manual Integrations
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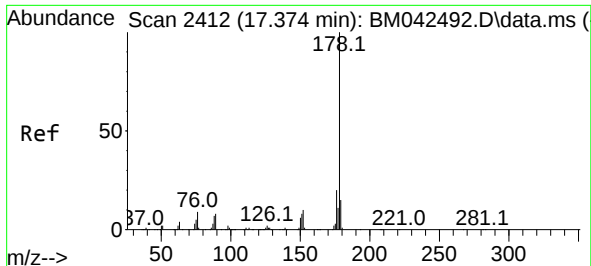
Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.321 min Scan# 2403
 Delta R.T. -0.006 min
 Lab File: BM042520.D
 Acq: 31 Oct 2023 20:46

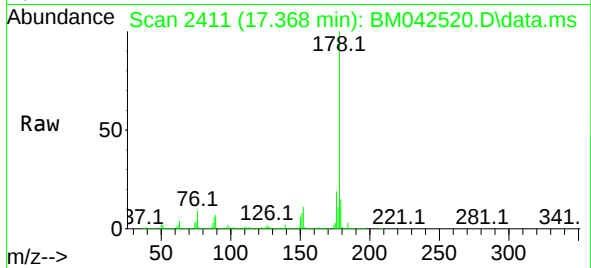
Tgt Ion:188 Resp: 336286
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.2 12.4
 80 10.8 9.4 14.2





#71
Phenanthrene
Concen: 65.128 ng
RT: 17.368 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

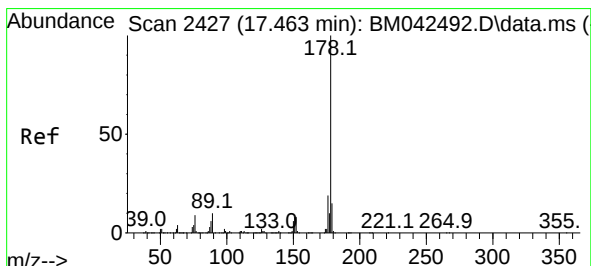
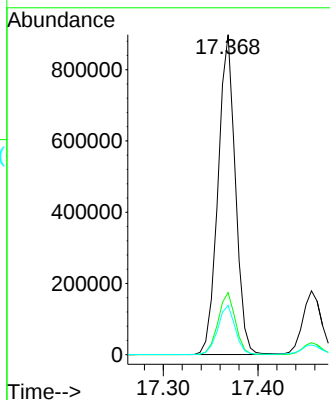
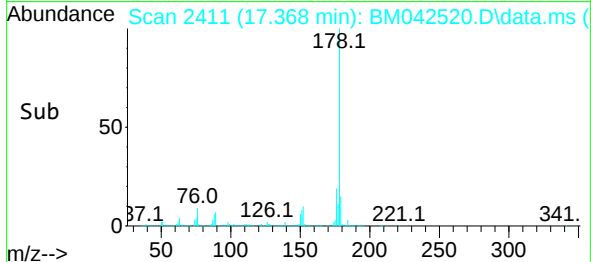
Instrument :
BNA_M
ClientSampleId :
A-6(0-2)



Tgt Ion:178 Resp: 114455
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.4 12.2 18.4

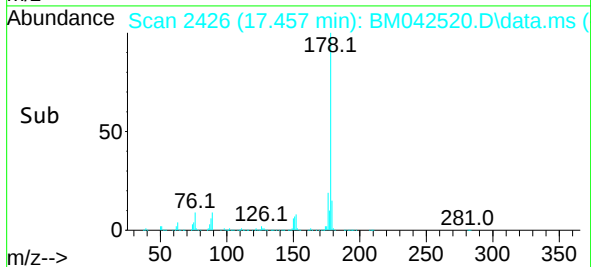
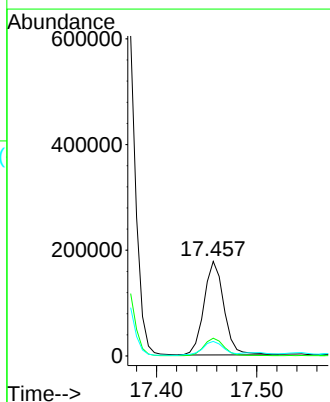
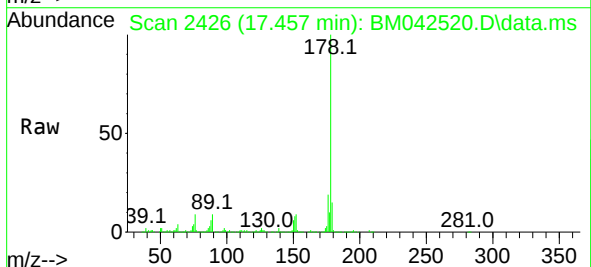
Manual Integrations
APPROVED

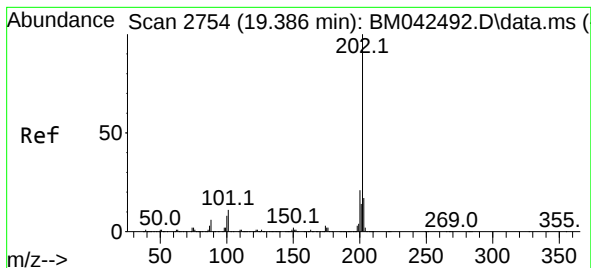
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#72
Anthracene
Concen: 14.186 ng
RT: 17.457 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

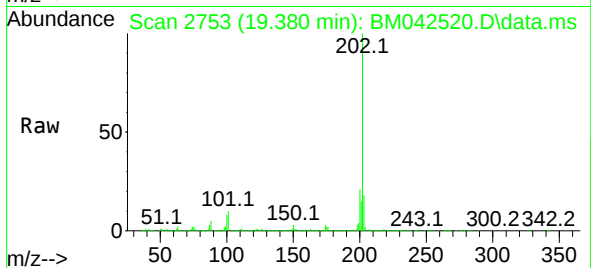
Tgt Ion:178 Resp: 246938
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 15.4 12.3 18.5





#75
Fluoranthene
Concen: 60.558 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

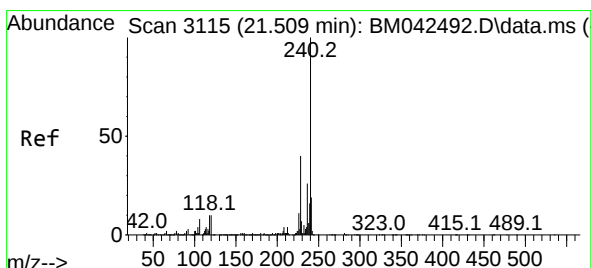
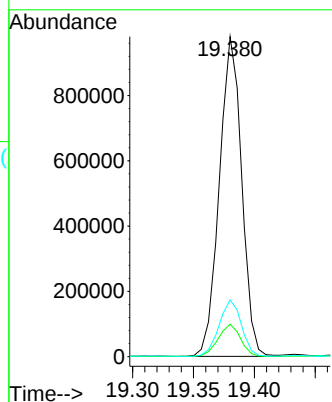
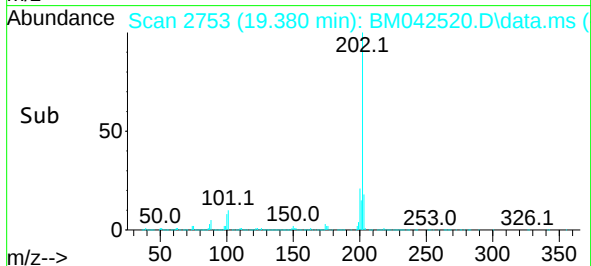
Instrument :
BNA_M
ClientSampleId :
A-6(0-2)



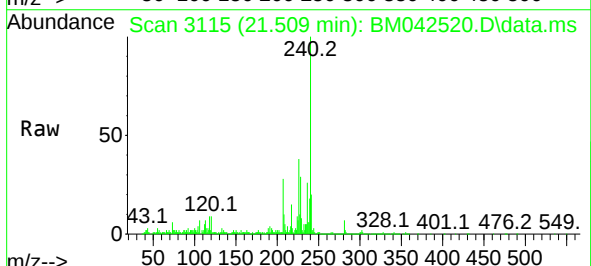
Tgt Ion:202 Resp: 1250140
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.5
203 17.8 0.0 37.0

Manual Integrations
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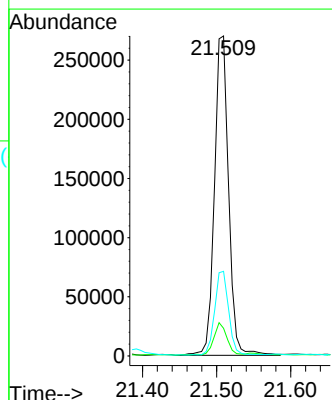
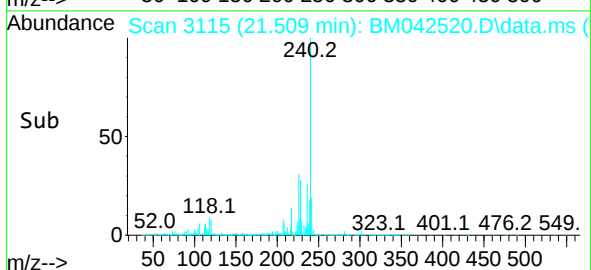
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

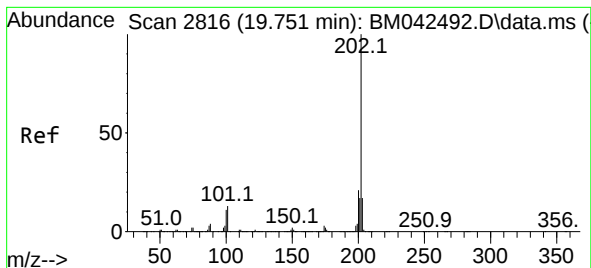


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.509 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46



Tgt Ion:240 Resp: 356968
Ion Ratio Lower Upper
240 100
120 8.7 8.3 12.5
236 26.5 20.8 31.2





#78

Pyrene

Concen: 71.078 ng

RT: 19.751 min Scan# 2816

Delta R.T. -0.000 min

Lab File: BM042520.D

Acq: 31 Oct 2023 20:46

Instrument :

BNA_M

ClientSampleId :

A-6(0-2)

Tgt Ion:202 Resp: 1742230

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

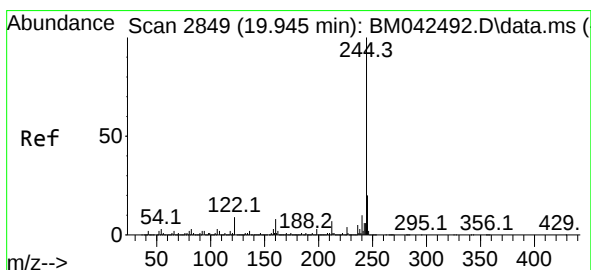
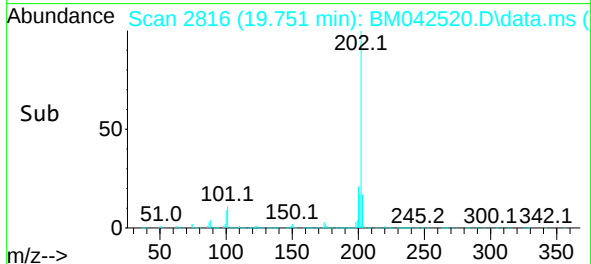
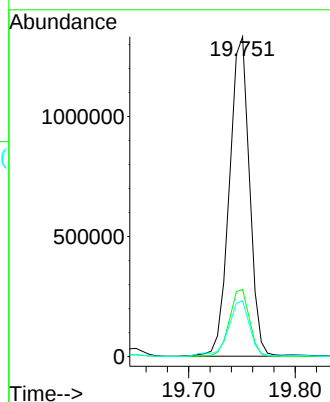
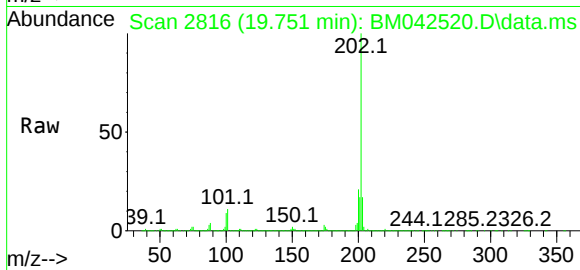
203 17.4 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#79

Terphenyl-d14

Concen: 33.567 ng

RT: 19.939 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BM042520.D

Acq: 31 Oct 2023 20:46

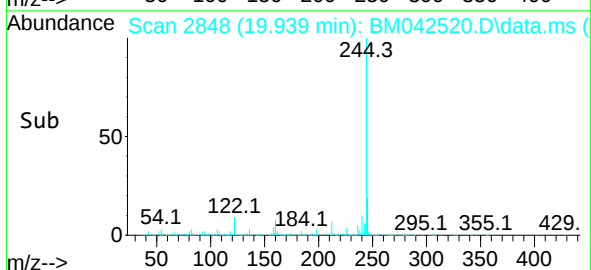
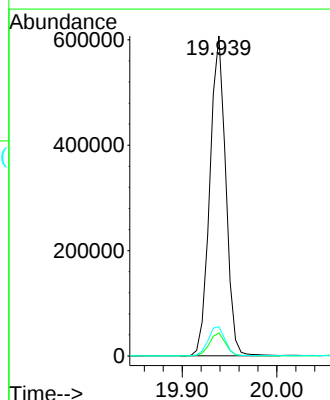
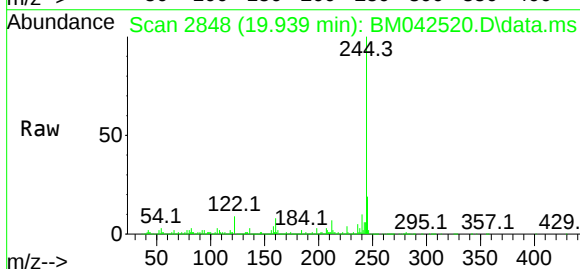
Tgt Ion:244 Resp: 706678

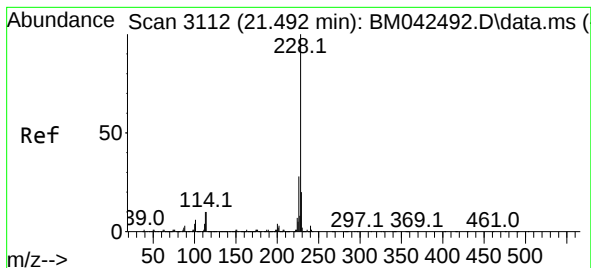
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 9.2 7.2 10.8





#81

Benzo(a)anthracene

Concen: 31.748 ng

RT: 21.492 min Scan# 3112

Delta R.T. -0.000 min

Lab File: BM042520.D

Acq: 31 Oct 2023 20:46

Instrument :

BNA_M

ClientSampleId :

A-6(0-2)

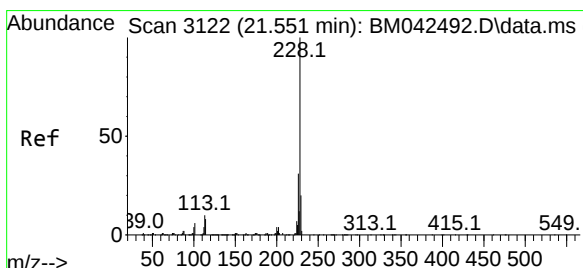
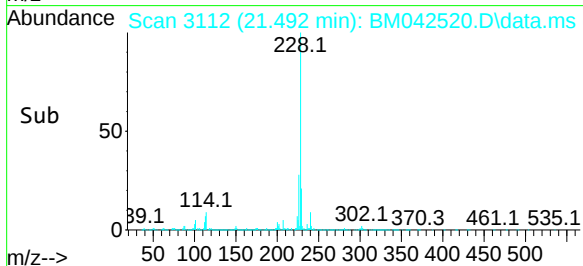
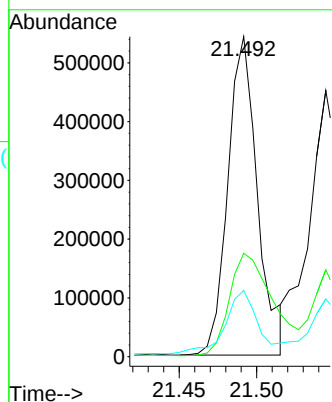
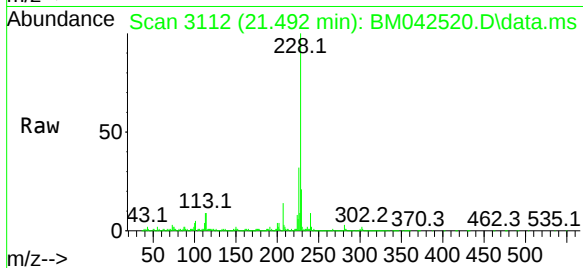
Tgt Ion:228 Resp: 72106
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.3 33.5
 229 20.7 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#83

Chrysene

Concen: 27.376 ng

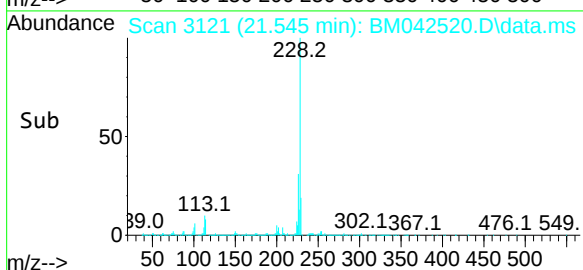
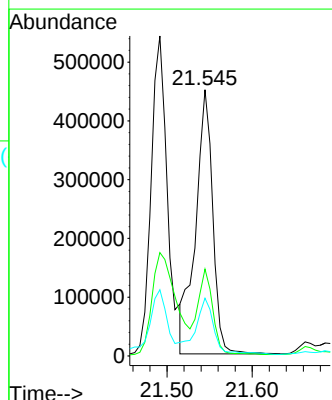
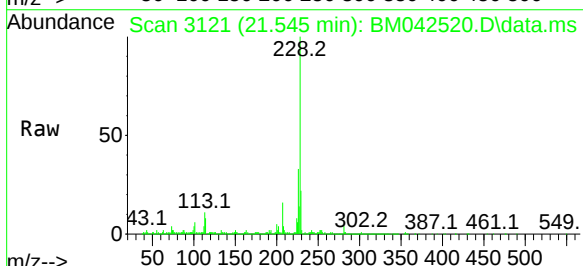
RT: 21.545 min Scan# 3121

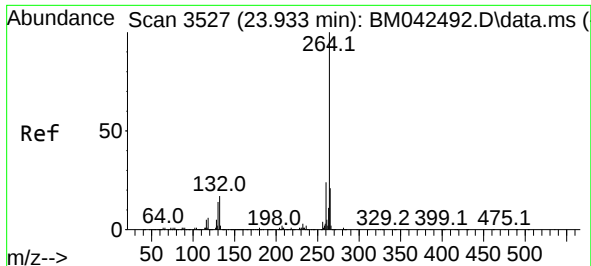
Delta R.T. -0.006 min

Lab File: BM042520.D

Acq: 31 Oct 2023 20:46

Tgt Ion:228 Resp: 631589
 Ion Ratio Lower Upper
 228 100
 226 32.6 24.4 36.6
 229 21.7 15.7 23.5





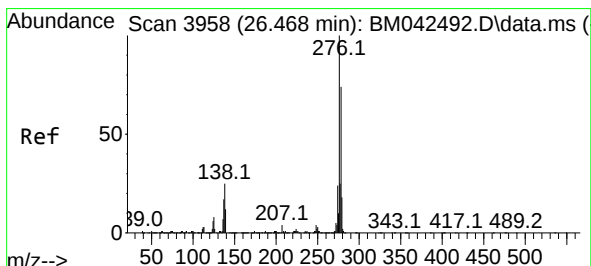
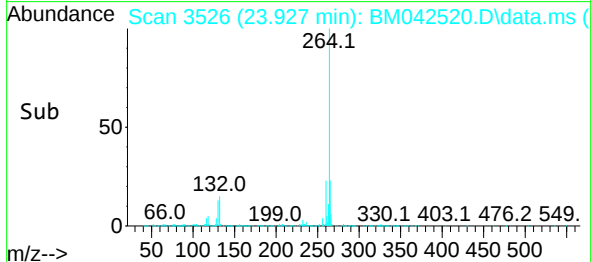
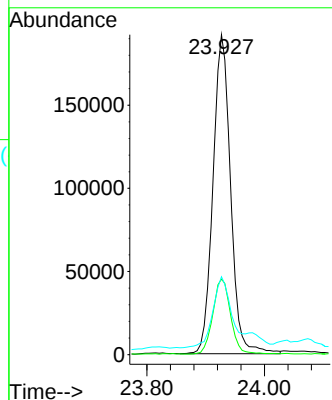
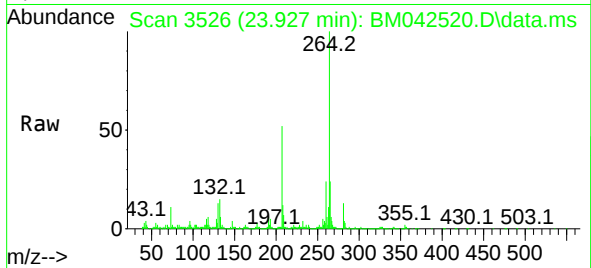
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Tgt Ion:264 Resp: 39906
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.4
265 24.3 18.7 28.1

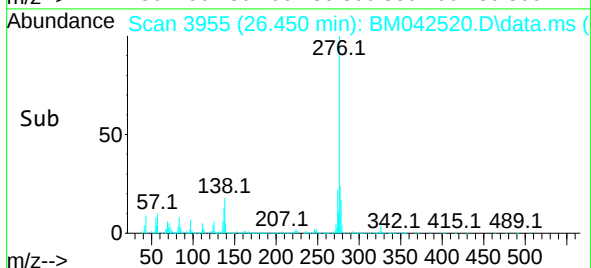
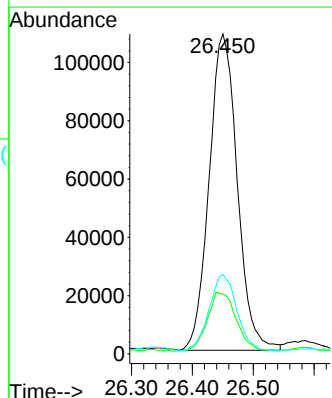
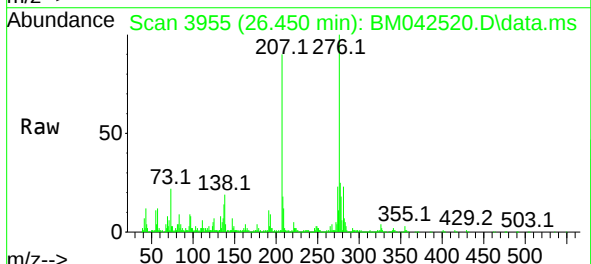
Manual Integrations
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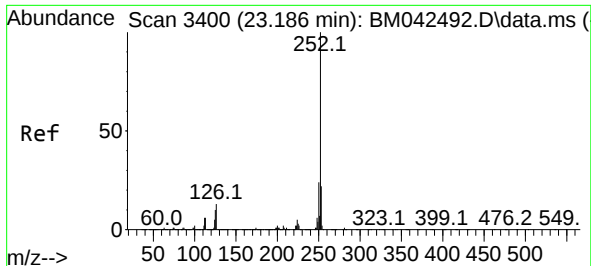
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.671 ng
RT: 26.450 min Scan# 3955
Delta R.T. -0.018 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

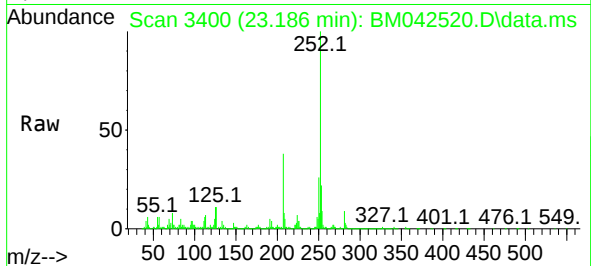
Tgt Ion:276 Resp: 348450
Ion Ratio Lower Upper
276 100
138 19.3 20.6 31.0#
277 23.8 19.5 29.3





#88
Benzo(b)fluoranthene
Concen: 31.971 ng m
RT: 23.186 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

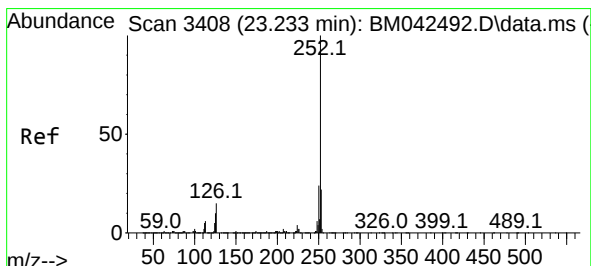
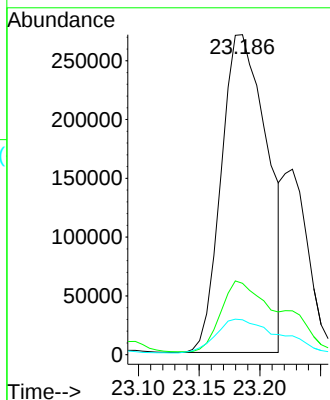
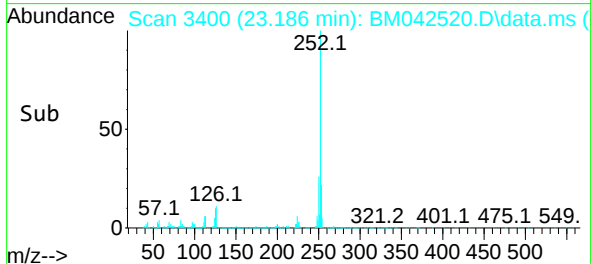
Instrument :
BNA_M
ClientSampleId :
A-6(0-2)



Tgt Ion:252 Resp: 710808
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 10.9 7.8 11.6

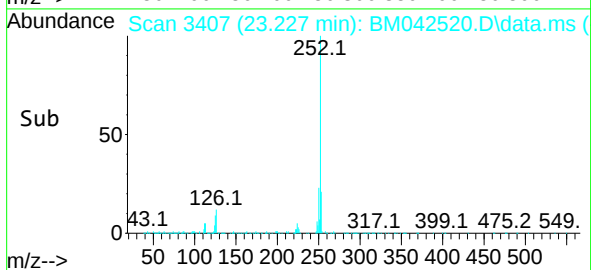
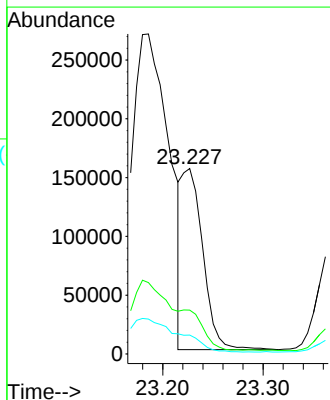
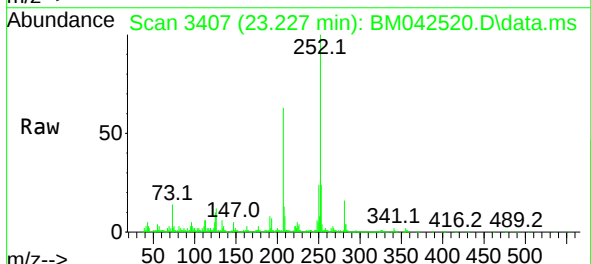
Manual Integrations
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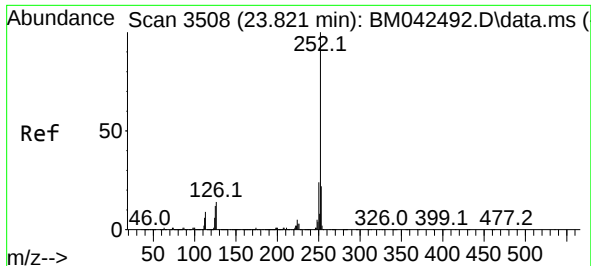
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#89
Benzo(k)fluoranthene
Concen: 9.066 ng m
RT: 23.227 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

Tgt Ion:252 Resp: 224615
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 10.2 8.2 12.4





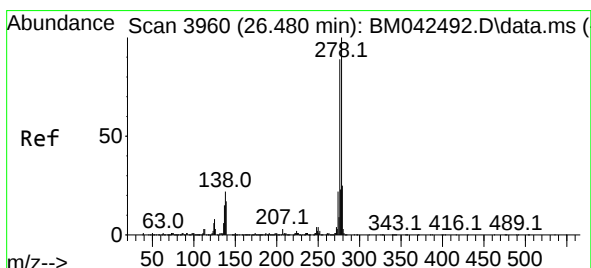
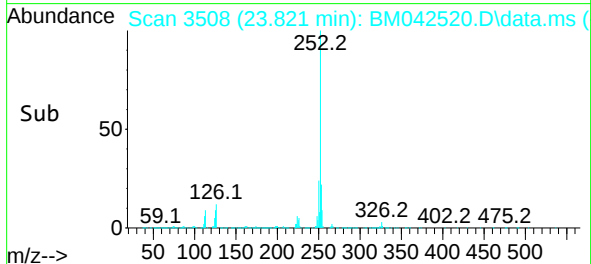
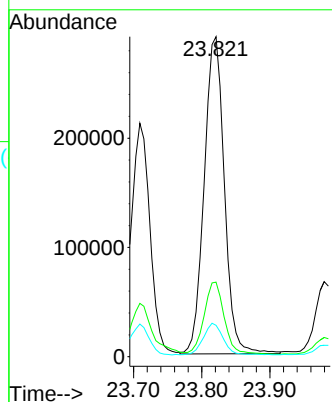
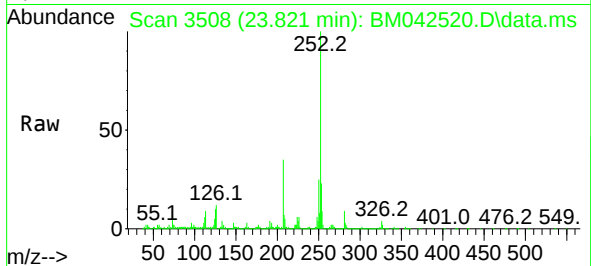
#90
Benzo(a)pyrene
Concen: 27.399 ng
RT: 23.821 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

Instrument :
BNA_M
ClientSampleId :
A-6(0-2)

Tgt Ion:252 Resp: 59973
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 9.8 9.4 14.2

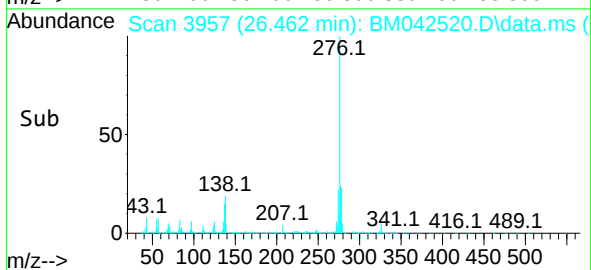
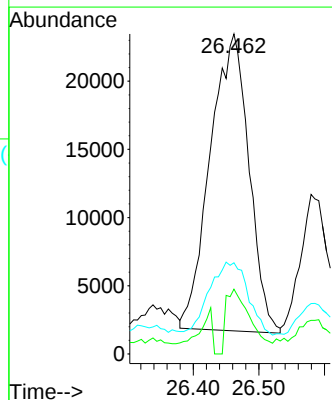
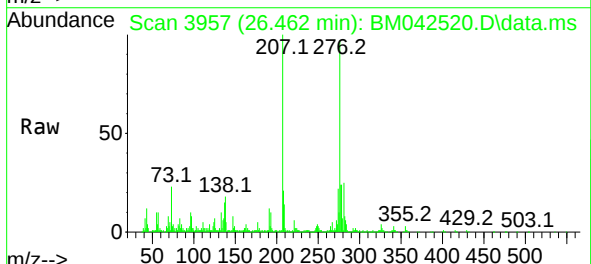
Manual Integrations
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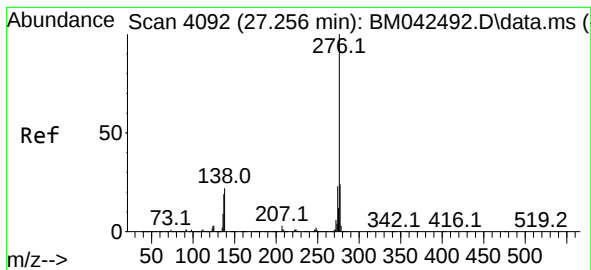
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#91
Dibenzo(a,h)anthracene
Concen: 7.862 ng
RT: 26.462 min Scan# 3957
Delta R.T. -0.018 min
Lab File: BM042520.D
Acq: 31 Oct 2023 20:46

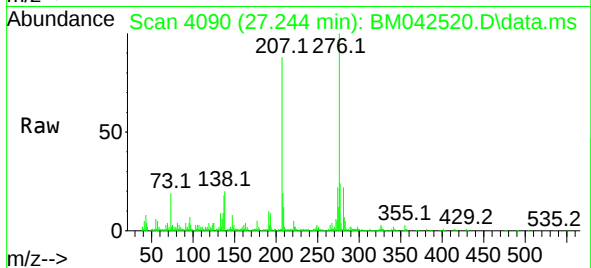
Tgt Ion:278 Resp: 89366
Ion Ratio Lower Upper
278 100
139 20.2 13.4 20.2#
279 28.5 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 18.146 ng
 RT: 27.244 min Scan# 4090
 Delta R.T. -0.012 min
 Lab File: BM042520.D
 Acq: 31 Oct 2023 20:46

Instrument :
 BNA_M
 ClientSampleId :
 A-6(0-2)



Tgt Ion:	276	Resp:	37985
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.2	28.8
138	20.3	17.3	25.9

Manual Integrations
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Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

