

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042577.D
 Acq On : 03 Nov 2023 19:11
 Operator : MA/JU
 Sample : 05220-07 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 L-2(125FT)(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 03 22:40:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	51213	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	191783	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	119770	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	267003	20.000	ng	0.00
76) Chrysene-d12	21.503	240	264943	20.000	ng	0.00
86) Perylene-d12	23.927	264	290860	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	70187	22.118	ng	0.01
7) Phenol-d6	7.081	99	90234	20.734	ng	0.00
23) Nitrobenzene-d5	9.116	82	65072	15.817	ng	0.00
42) 2,4,6-Tribromophenol	16.062	330	37069	23.706	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	140649	15.802	ng	0.00
79) Terphenyl-d14	19.933	244	239317	15.316	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.786	128	33168	3.347	ng	98
38) 1-Methylnaphthalene	12.610	142	192517	29.310	ng	99
46) 1,1'-Biphenyl	13.404	154	48377	5.284	ng	98
49) Acenaphthylene	14.298	152	192755	17.329	ng	98
52) Acenaphthene	14.633	154	55845	8.272	ng	98
55) Dibenzofuran	14.968	168	25262	2.302	ng	97
58) Fluorene	15.615	166	172600	19.435	ng	99
71) Phenanthrene	17.362	178	1076502	77.150	ng	100
72) Anthracene	17.456	178	256398	18.552	ng	100
75) Fluoranthene	19.380	202	550973	33.615	ng	98
78) Pyrene	19.745	202	1000056	54.970	ng	98
81) Benzo(a)anthracene	21.486	228	371813	22.057	ng	95
83) Chrysene	21.544	228	364538m	21.289	ng	
87) Indeno(1,2,3-cd)pyrene	26.450	276	123142	7.113	ng	# 92
88) Benzo(b)fluoranthene	23.180	252	262628m	16.207	ng	
89) Benzo(k)fluoranthene	23.221	252	67611m	3.744	ng	
90) Benzo(a)pyrene	23.815	252	289160	18.125	ng	97
91) Dibenzo(a,h)anthracene	26.456	278	42048	6.542	ng	# 78
92) Benzo(g,h,i)perylene	27.244	276	144844	9.493	ng	# 94

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

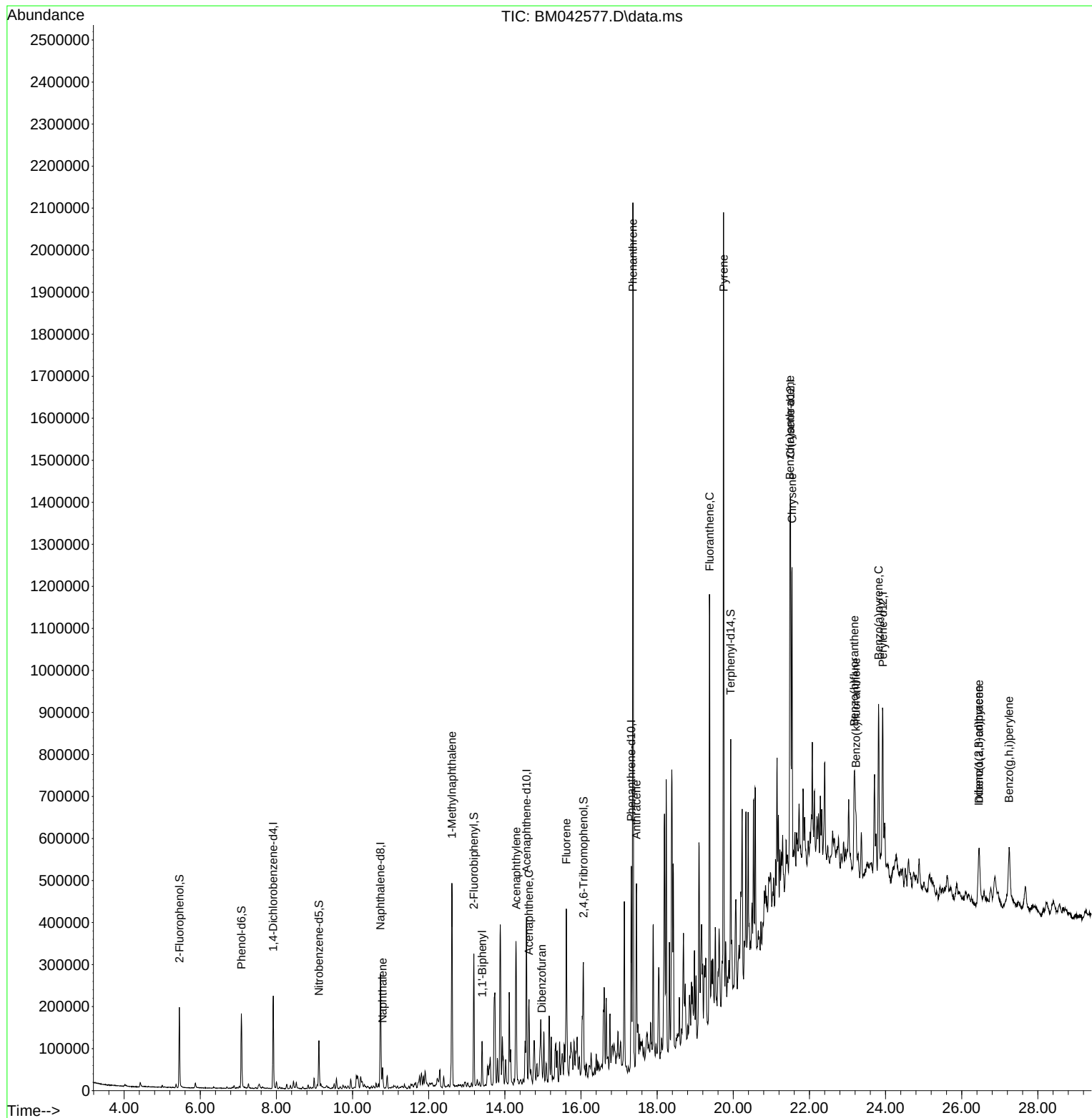
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
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ALS Vial : 12 Sample Multiplier: 1

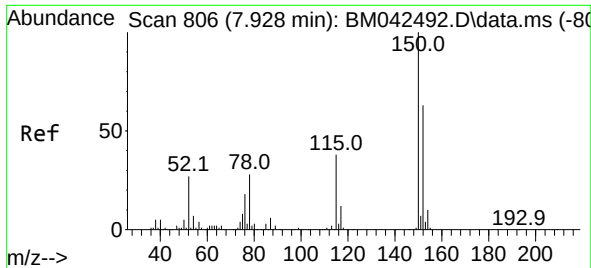
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Quant Time: Nov 03 22:40:33 2023
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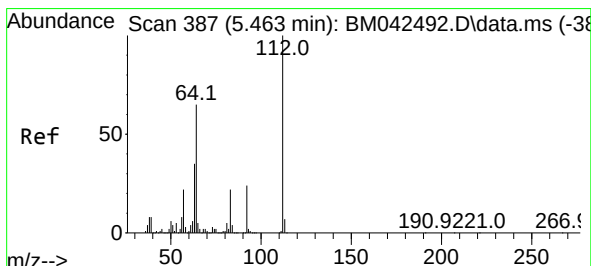
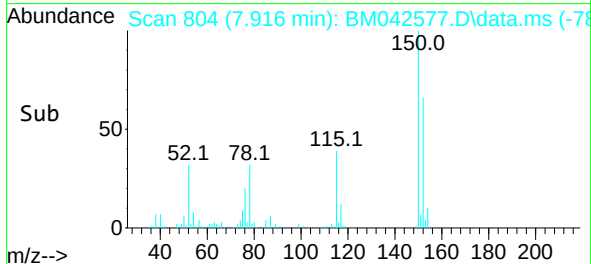
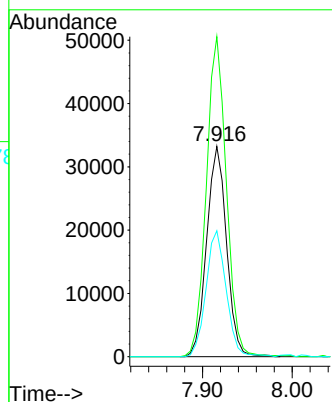
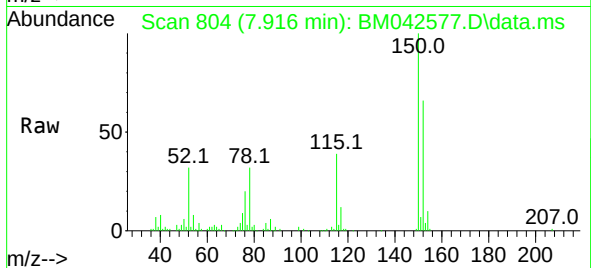
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 806
Delta R.T. 0.006 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

Tgt Ion:152 Resp: 5121
Ion Ratio Lower Upper
152 100
150 152.2 127.4 191.0
115 59.9 47.9 71.9

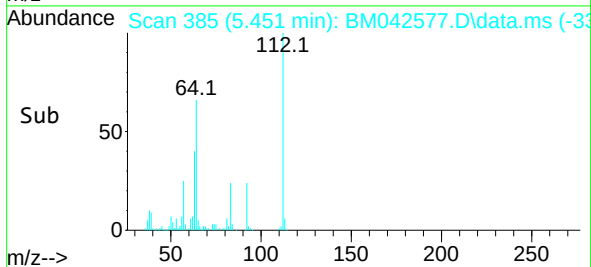
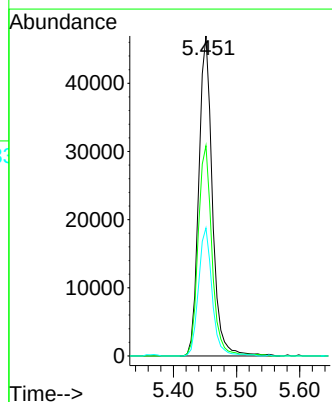
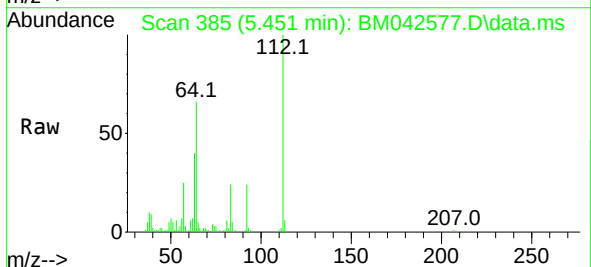
Manual Integrations
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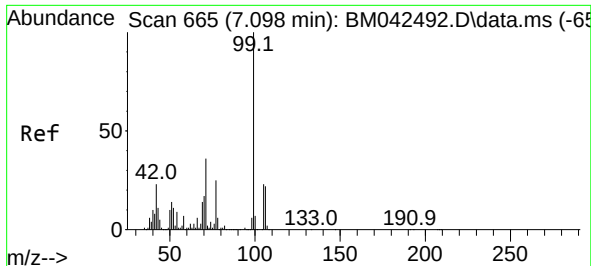
Reviewed By :Yogesh Patel 11/04/2023
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#5
2-Fluorophenol
Concen: 22.118 ng
RT: 5.451 min Scan# 385
Delta R.T. 0.011 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

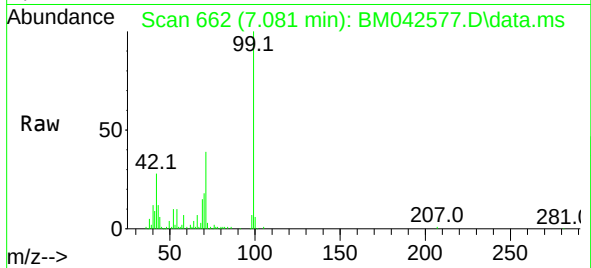
Tgt Ion:112 Resp: 70187
Ion Ratio Lower Upper
112 100
64 65.7 52.1 78.1
63 40.0 28.3 42.5





#7
Phenol-d6
Concen: 20.734 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.005 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

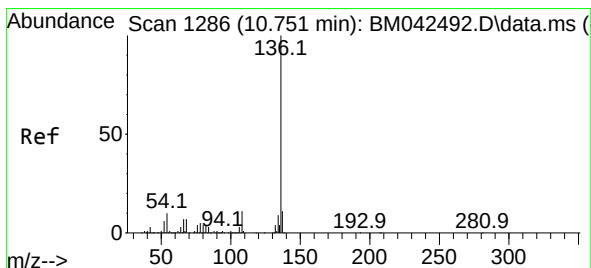
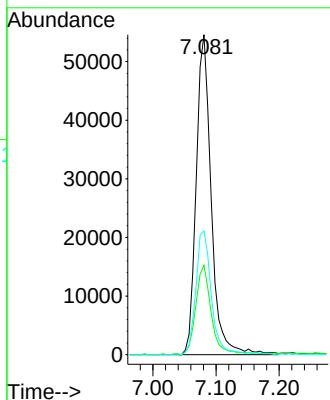
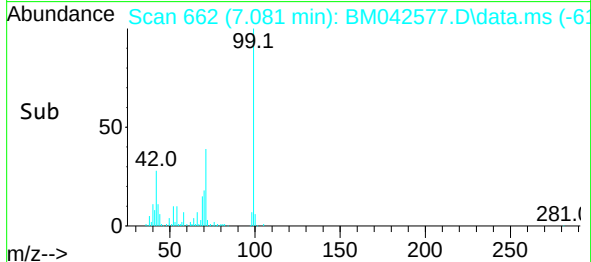
Instrument :
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ClientSampleId :
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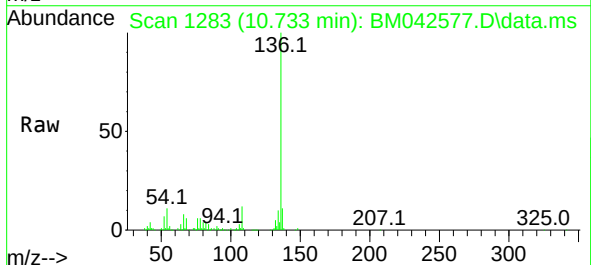
Tgt Ion: 99 Resp: 90234
Ion Ratio Lower Upper
99 100
42 28.0 18.7 28.1
71 38.7 29.1 43.7

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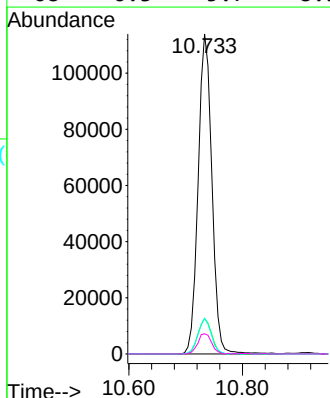
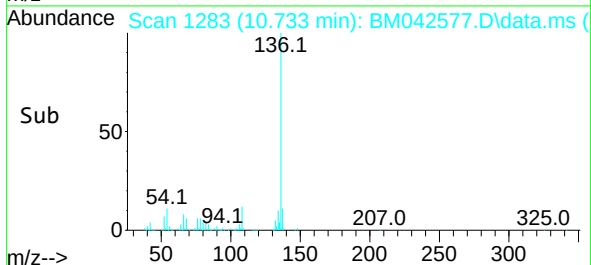
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

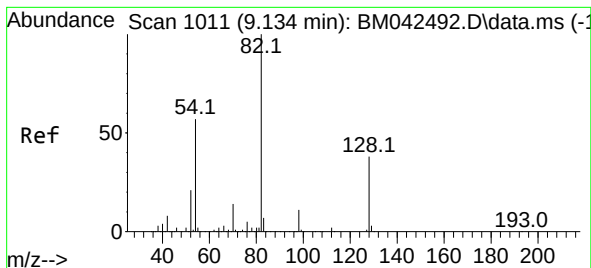


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1283
Delta R.T. 0.005 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11



Tgt Ion:136 Resp: 191783
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 11.1 8.0 12.0
68 6.3 5.7 8.5





#23

Nitrobenzene-d5

Concen: 15.817 ng

RT: 9.116 min Scan# 1011

Delta R.T. 0.005 min

Lab File: BM042577.D

Acq: 03 Nov 2023 19:11

Instrument :

BNA_M

ClientSampleId :

L-2(125FT)(0-5)

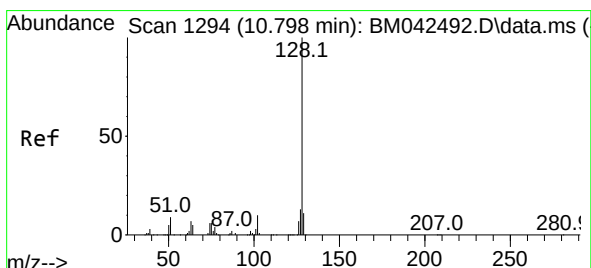
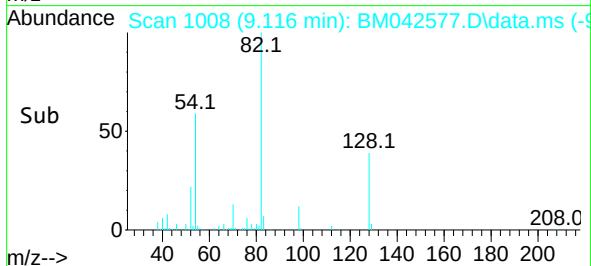
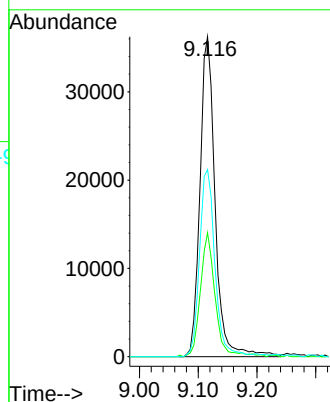
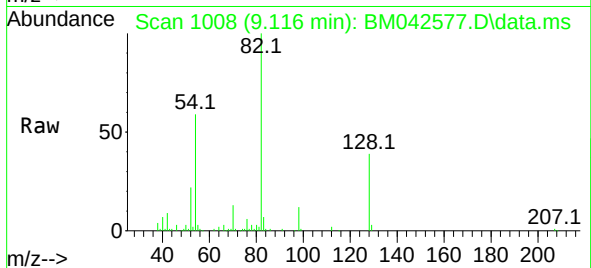
Tgt Ion:	82	Resp:	65072
Ion Ratio	Lower	Upper	
82	100		
128	38.8	30.7	46.1
54	58.5	45.3	67.9

Manual Integrations

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Supervised By :mohammad ahmed 11/04/2023



#31

Naphthalene

Concen: 3.347 ng

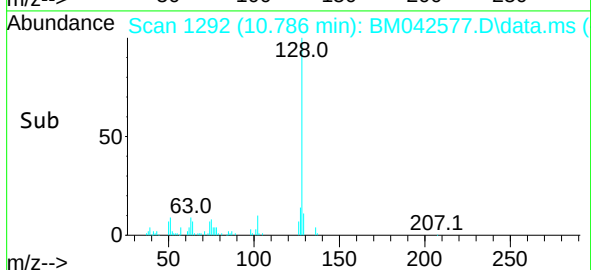
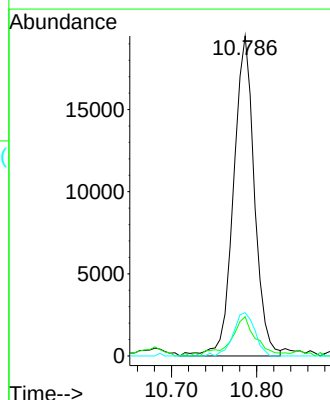
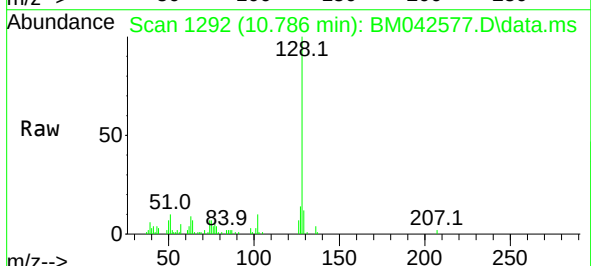
RT: 10.786 min Scan# 1292

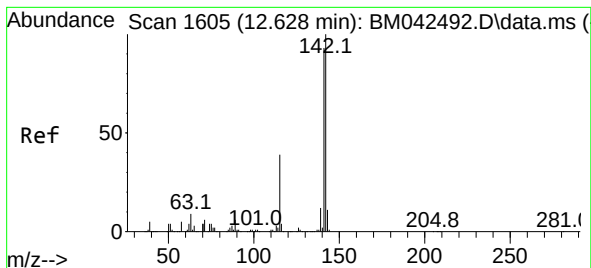
Delta R.T. 0.005 min

Lab File: BM042577.D

Acq: 03 Nov 2023 19:11

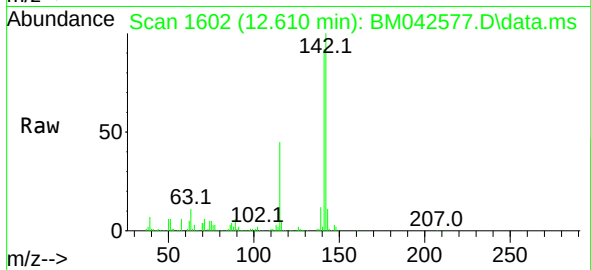
Tgt Ion:	128	Resp:	33168
Ion Ratio	Lower	Upper	
128	100		
129	12.3	8.8	13.2
127	13.5	10.6	15.8





#38
1-Methylnaphthalene
Concen: 29.310 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

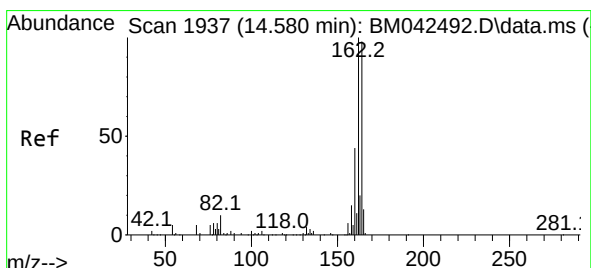
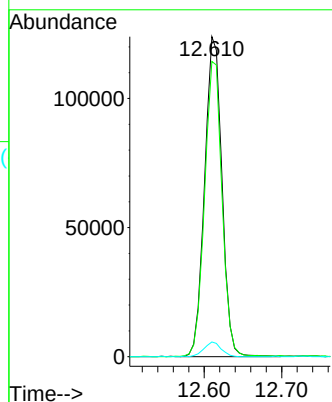
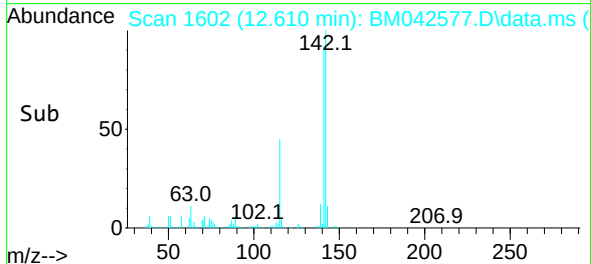
Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)



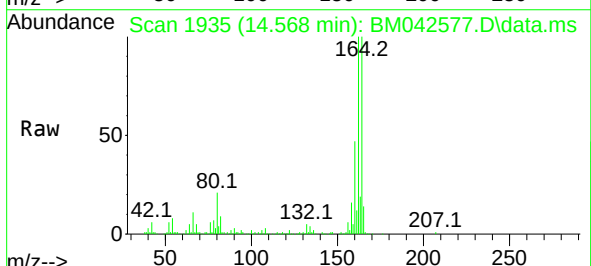
Tgt Ion:142 Resp: 19251
Ion Ratio Lower Upper
142 100
141 92.3 74.4 111.6
116 4.6 3.2 4.8

Manual Integrations
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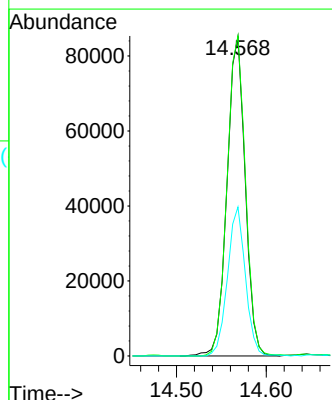
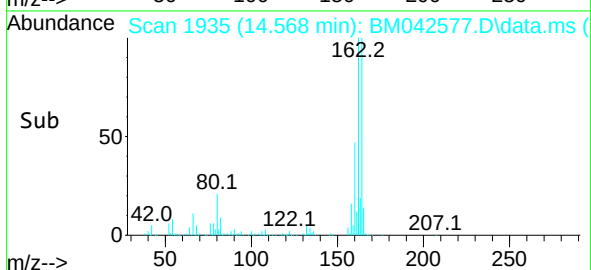
Reviewed By :Yogesh Patel 11/04/2023
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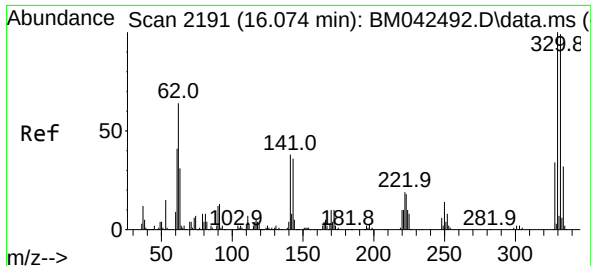


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1935
Delta R.T. 0.005 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11



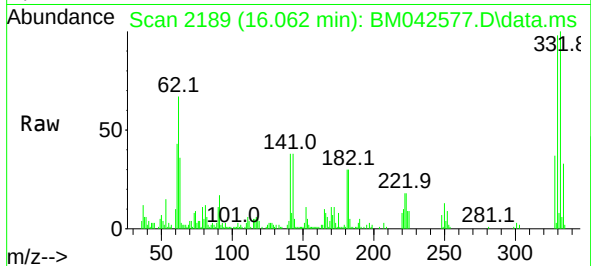
Tgt Ion:164 Resp: 119770
Ion Ratio Lower Upper
164 100
162 100.2 81.6 122.4
160 46.6 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 23.706 ng
RT: 16.062 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

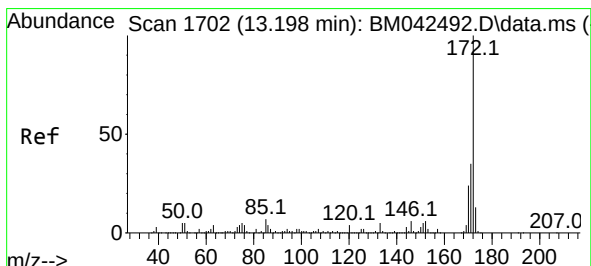
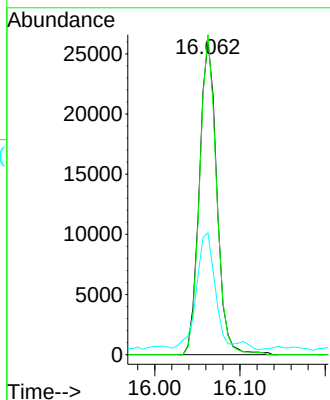
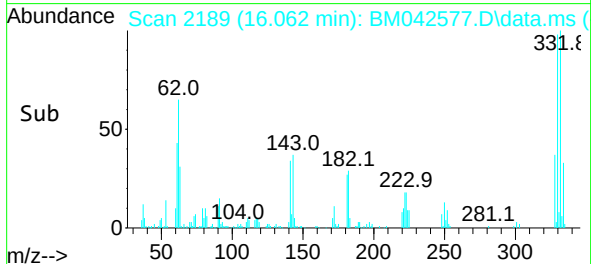
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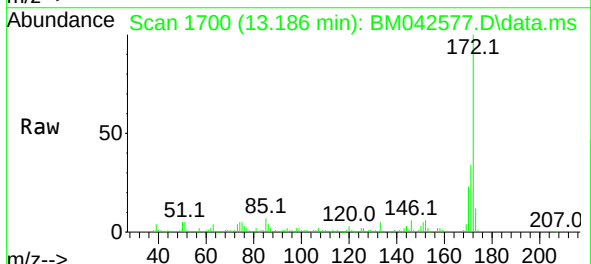
Tgt Ion:330 Resp: 37069
Ion Ratio Lower Upper
330 100
332 98.2 78.8 118.2
141 38.8 31.1 46.7

Manual Integrations
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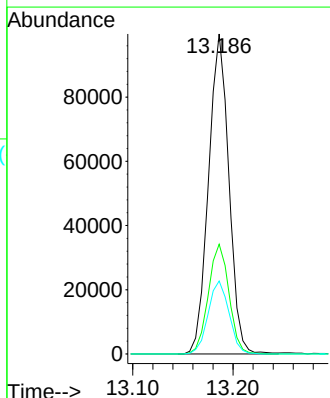
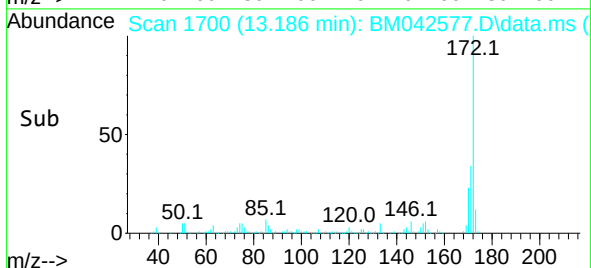
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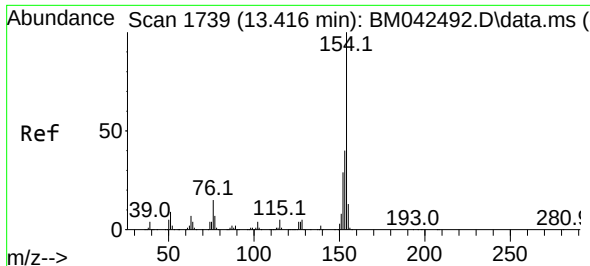


#45
2-Fluorobiphenyl
Concen: 15.802 ng
RT: 13.186 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11



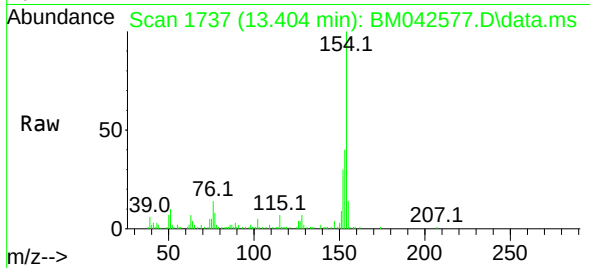
Tgt Ion:172 Resp: 140649
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 22.8 19.0 28.4





#46
1,1'-Biphenyl
Concen: 5.284 ng
RT: 13.404 min Scan# 1737
Delta R.T. 0.005 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

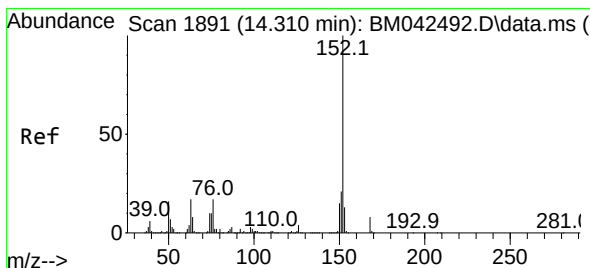
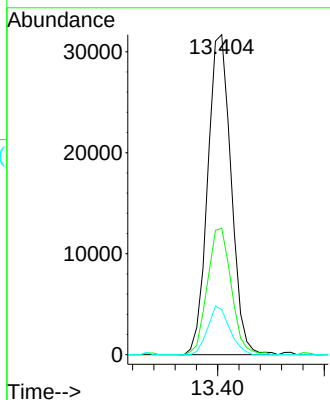
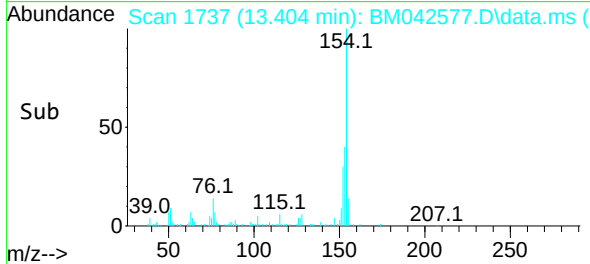
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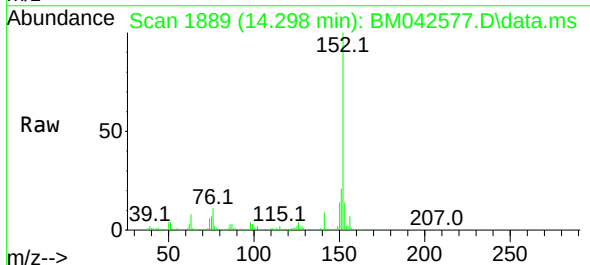
Tgt Ion:154 Resp: 4837
Ion Ratio Lower Upper
154 100
153 39.5 20.3 60.3
76 14.1 0.0 35.0

Manual Integrations
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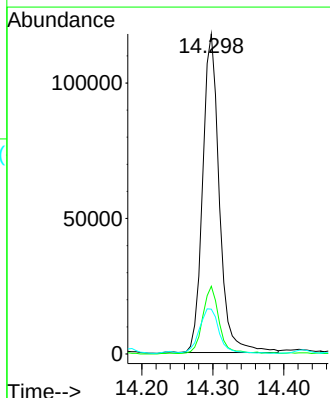
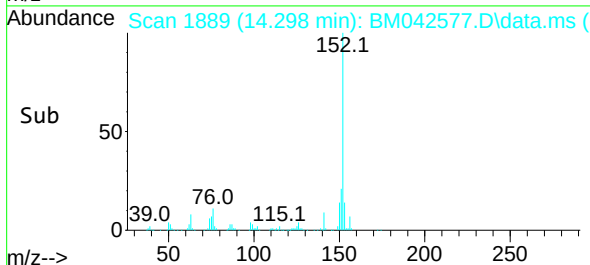
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

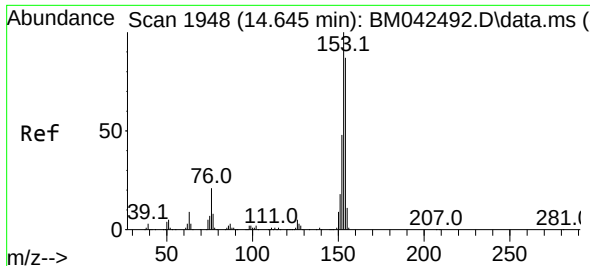


#49
Acenaphthylene
Concen: 17.329 ng
RT: 14.298 min Scan# 1889
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11



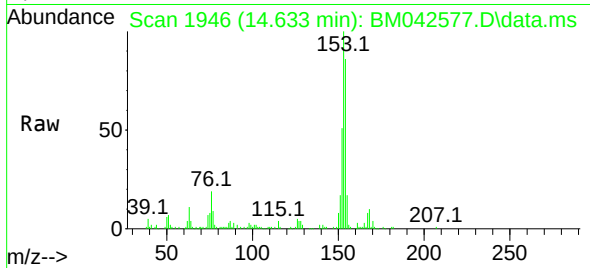
Tgt Ion:152 Resp: 192755
Ion Ratio Lower Upper
152 100
151 21.1 16.4 24.6
153 14.0 10.4 15.6





#52
Acenaphthene
Concen: 8.272 ng
RT: 14.633 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

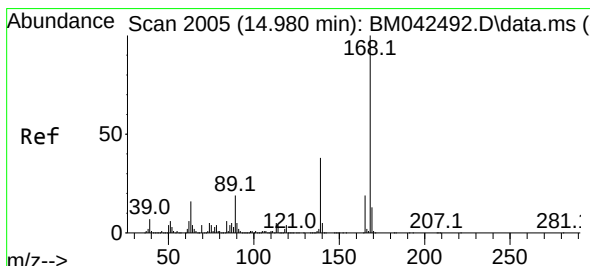
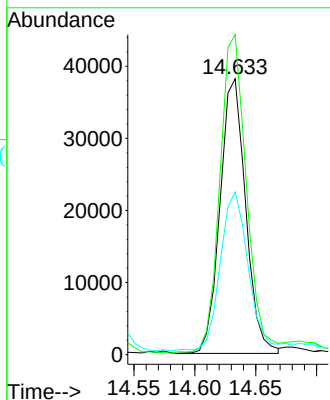
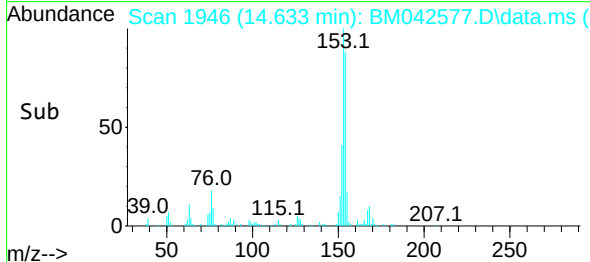
Instrument :
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ClientSampleId :
L-2(125FT)(0-5)



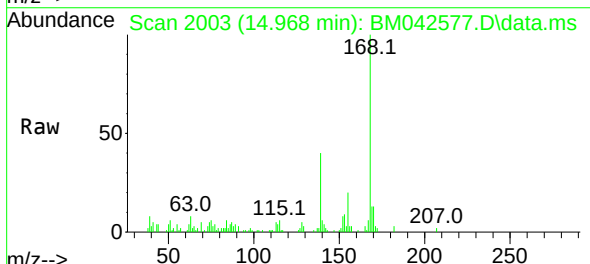
Tgt Ion:154 Resp: 5584
Ion Ratio Lower Upper
154 100
153 116.0 92.0 138.0
152 59.0 44.0 66.0

Manual Integrations
APPROVED

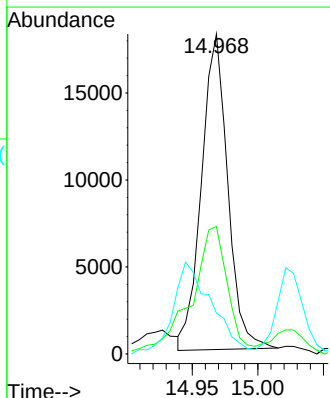
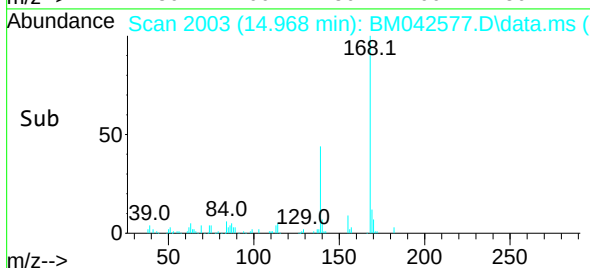
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

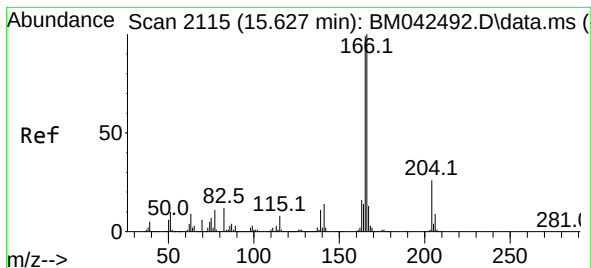


#55
Dibenzofuran
Concen: 2.302 ng
RT: 14.968 min Scan# 2003
Delta R.T. 0.005 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11



Tgt Ion:168 Resp: 25262
Ion Ratio Lower Upper
168 100
139 39.8 30.4 45.6
169 12.8 10.6 15.8





#58

Fluorene

Concen: 19.435 ng

RT: 15.615 min Scan# 2115

Delta R.T. -0.000 min

Lab File: BM042577.D

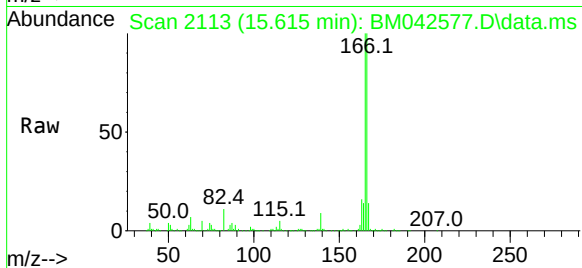
Acq: 03 Nov 2023 19:11

Instrument :

BNA_M

ClientSampleId :

L-2(125FT)(0-5)



Tgt Ion:166 Resp: 172600

Ion Ratio Lower Upper

166 100

165 99.7 79.3 118.9

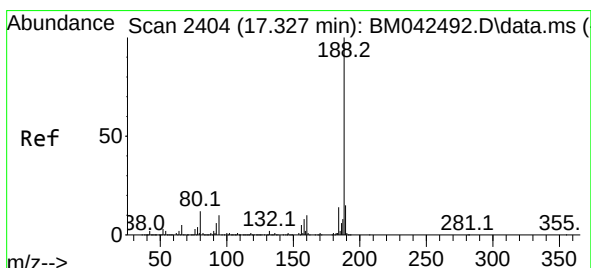
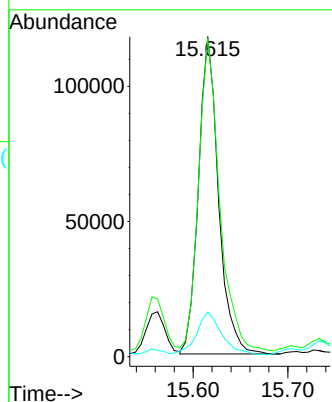
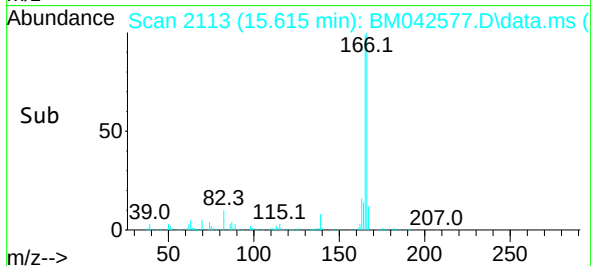
167 14.0 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2403

Delta R.T. 0.006 min

Lab File: BM042577.D

Acq: 03 Nov 2023 19:11

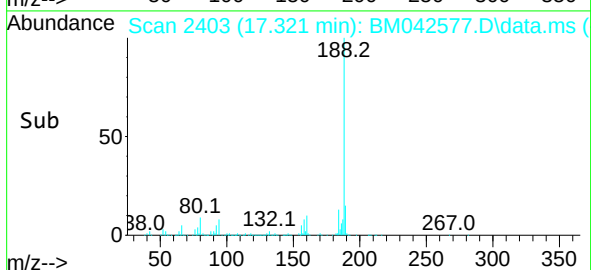
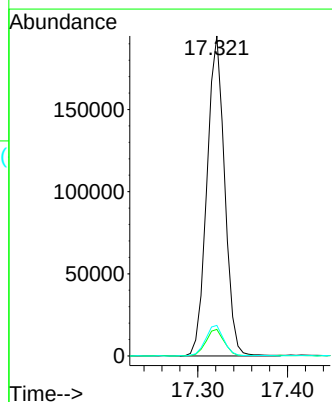
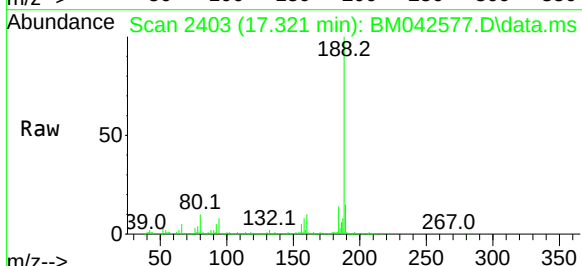
Tgt Ion:188 Resp: 267003

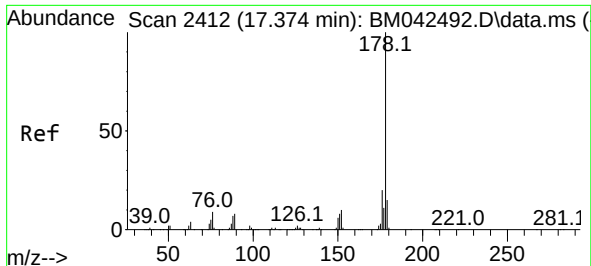
Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.4

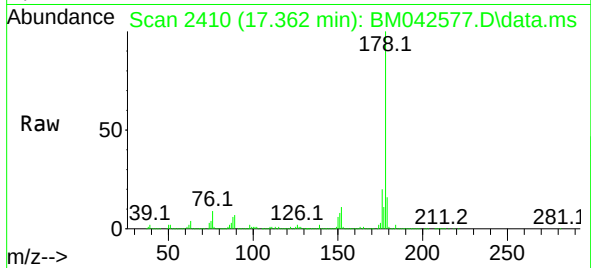
80 9.5 9.4 14.2





#71
Phenanthrene
Concen: 77.150 ng
RT: 17.362 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

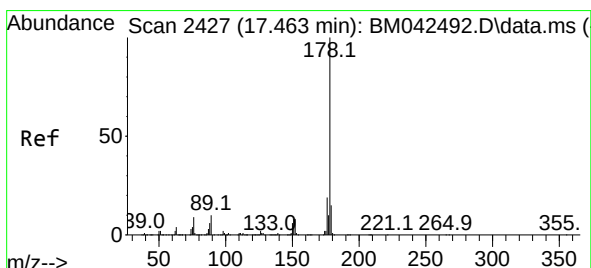
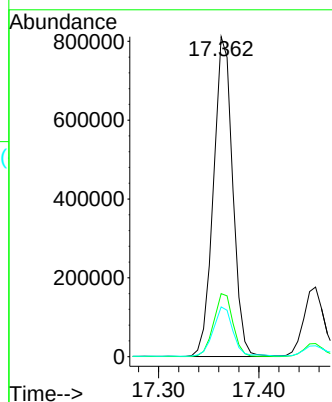
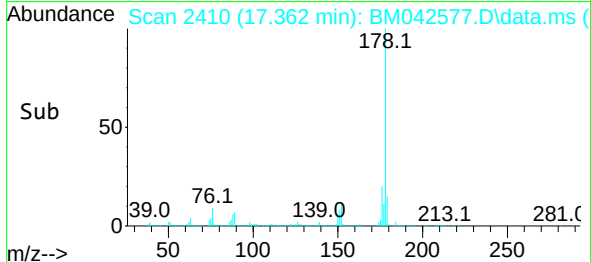
Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)



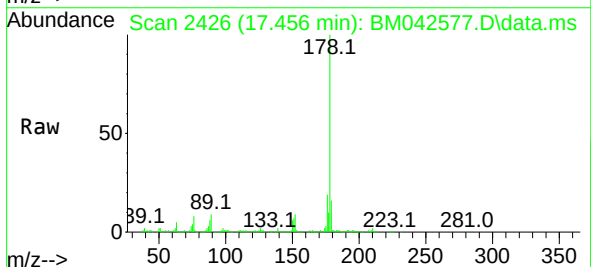
Tgt Ion:178 Resp: 1076502
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.6 12.2 18.4

Manual Integrations
APPROVED

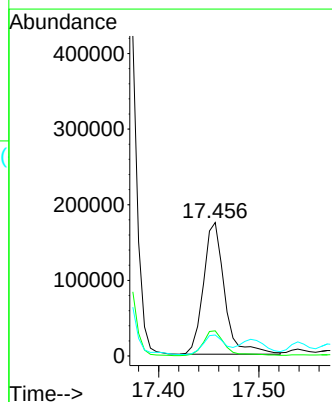
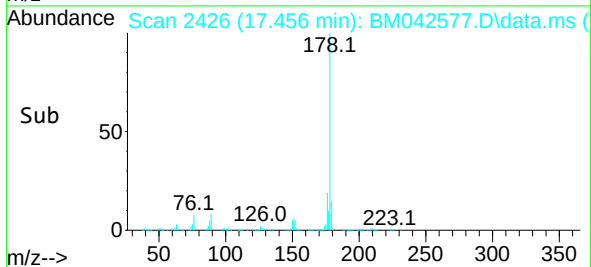
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

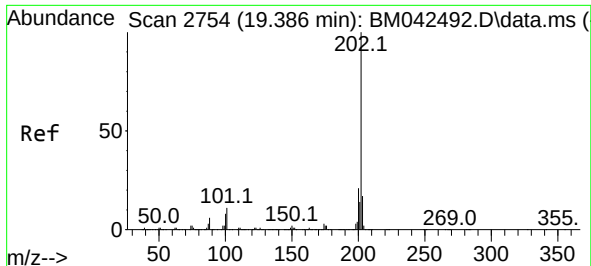


#72
Anthracene
Concen: 18.552 ng
RT: 17.456 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11



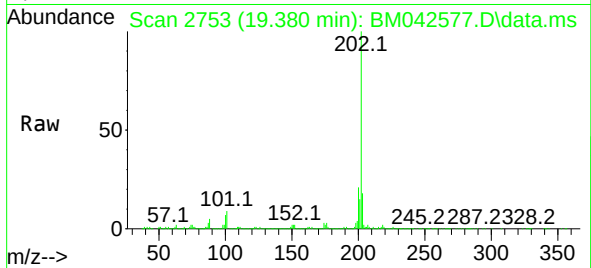
Tgt Ion:178 Resp: 256398
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.7 12.3 18.5





#75
Fluoranthene
Concen: 33.615 ng
RT: 19.380 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

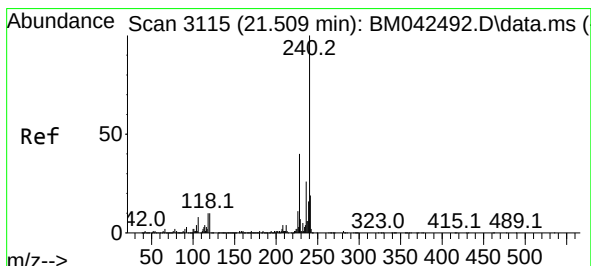
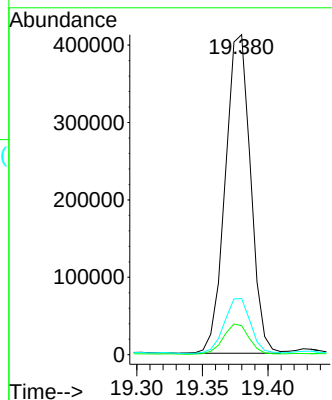
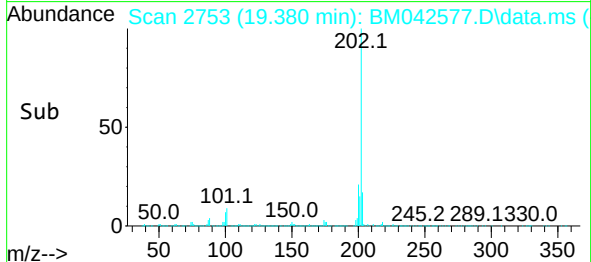
Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)



Tgt Ion:202 Resp: 55097
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.5
203 17.6 0.0 37.0

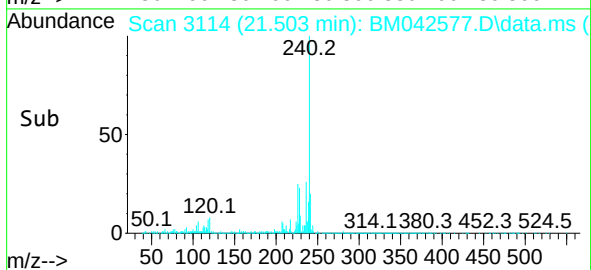
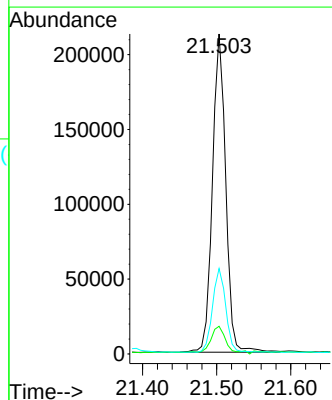
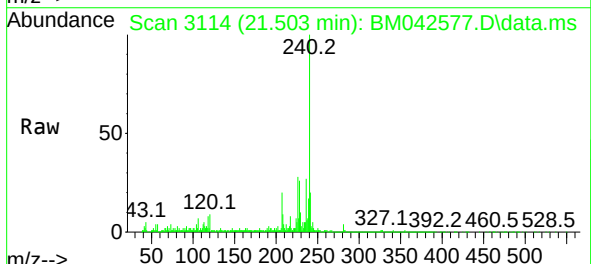
Manual Integrations
APPROVED

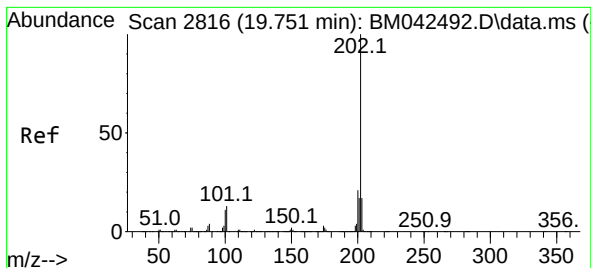
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

Tgt Ion:240 Resp: 264943
Ion Ratio Lower Upper
240 100
120 8.7 8.3 12.5
236 26.7 20.8 31.2





#78

Pyrene

Concen: 54.970 ng

RT: 19.745 min Scan# 2816

Delta R.T. 0.006 min

Lab File: BM042577.D

Acq: 03 Nov 2023 19:11

Instrument :

BNA_M

ClientSampleId :

L-2(125FT)(0-5)

Tgt Ion:202 Resp: 100005

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

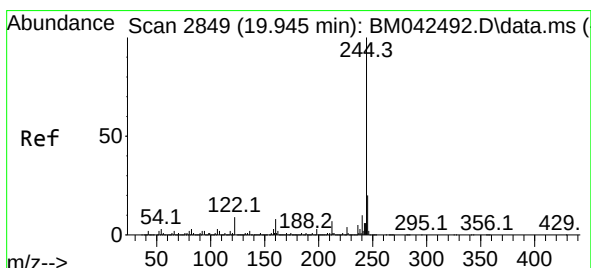
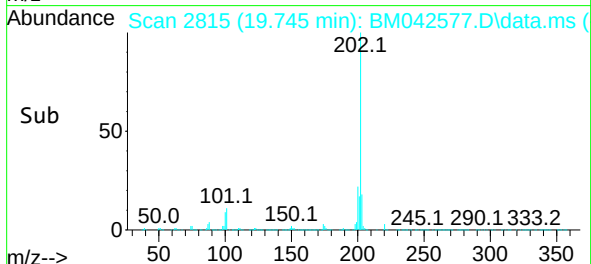
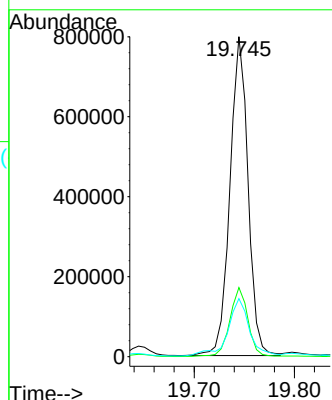
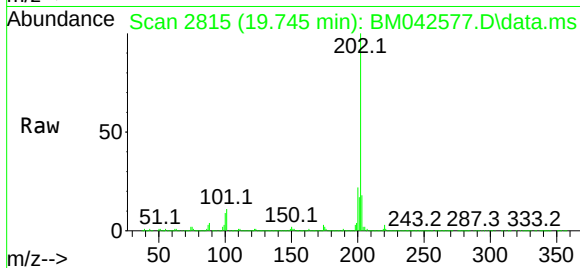
203 18.2 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#79

Terphenyl-d14

Concen: 15.316 ng

RT: 19.933 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BM042577.D

Acq: 03 Nov 2023 19:11

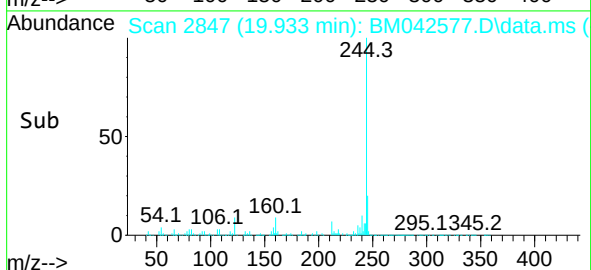
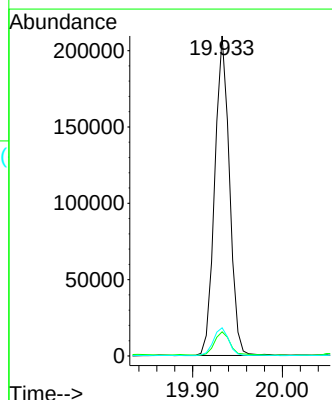
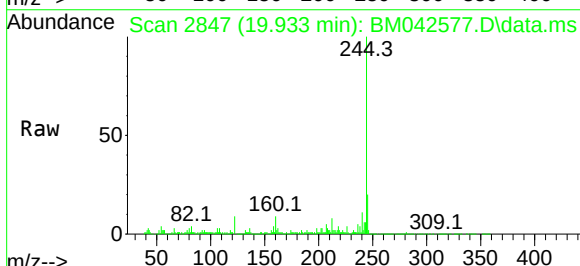
Tgt Ion:244 Resp: 239317

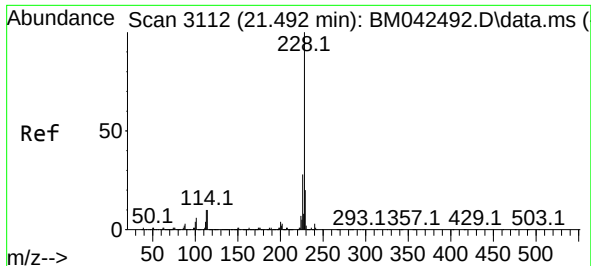
Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.2

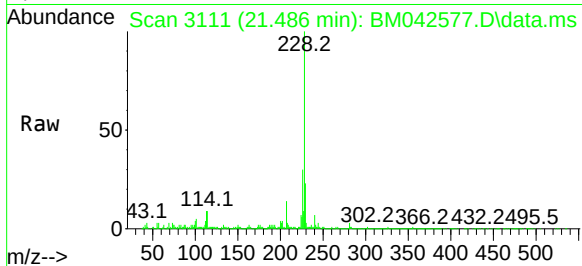
122 8.8 7.2 10.8





#81
Benzo(a)anthracene
Concen: 22.057 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

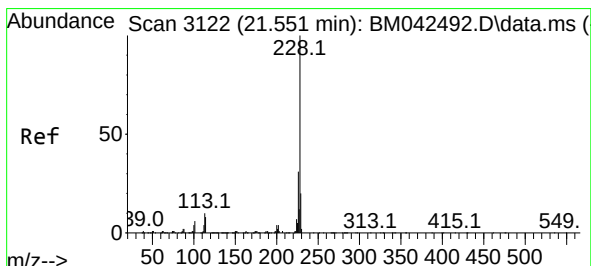
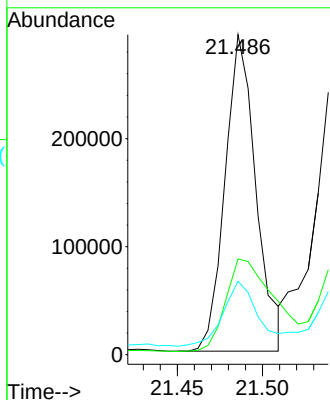
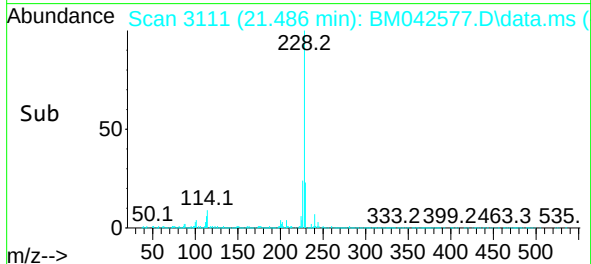
Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)



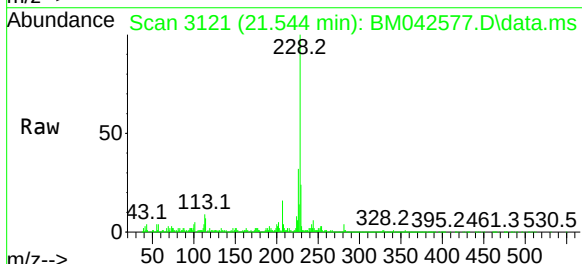
Tgt Ion:228 Resp: 371811
Ion Ratio Lower Upper
228 100
226 29.9 22.3 33.5
229 23.0 15.8 23.8

Manual Integrations
APPROVED

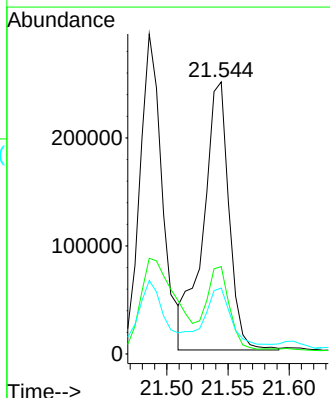
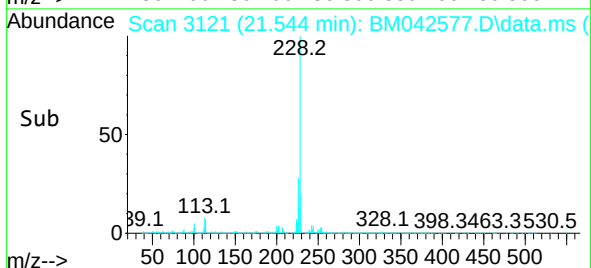
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

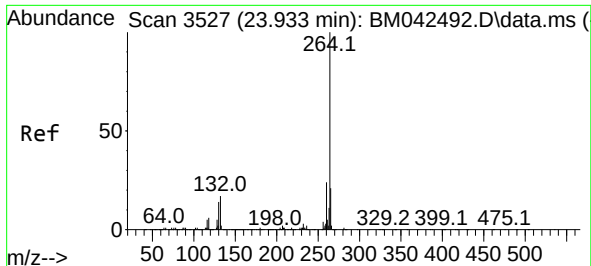


#83
Chrysene
Concen: 21.289 ng m
RT: 21.544 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11



Tgt Ion:228 Resp: 364538
Ion Ratio Lower Upper
228 100
226 32.1 24.4 36.6
229 24.2 15.7 23.5#





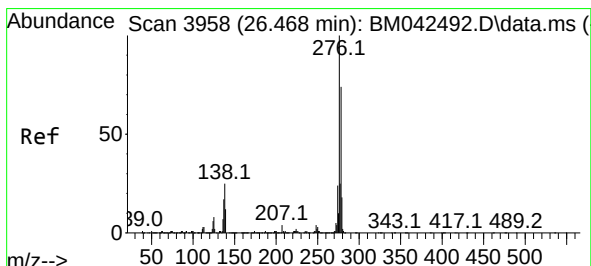
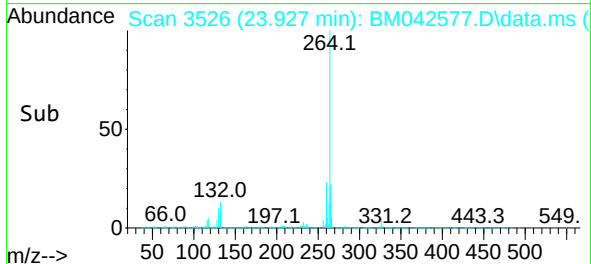
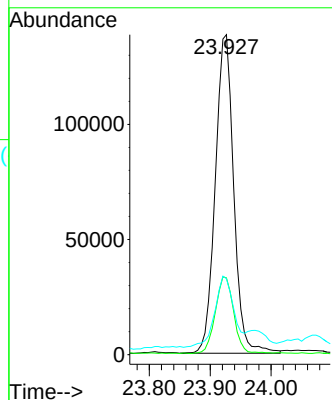
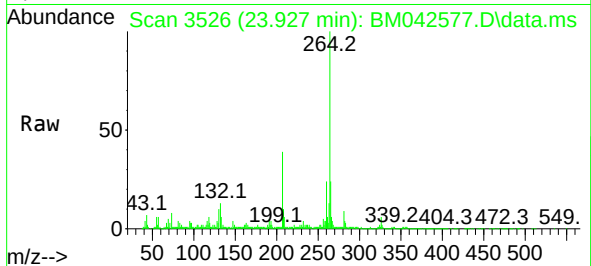
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 3527
Delta R.T. 0.011 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

Tgt Ion:264 Resp: 290860
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 23.7 18.7 28.1

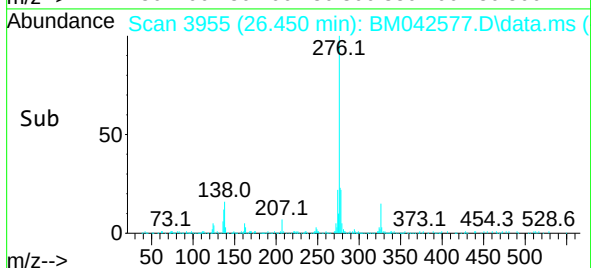
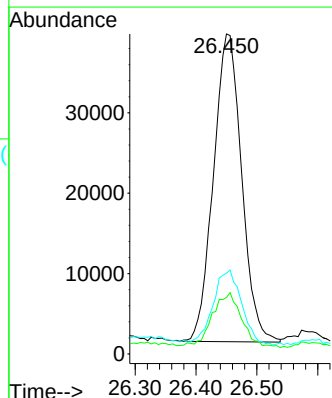
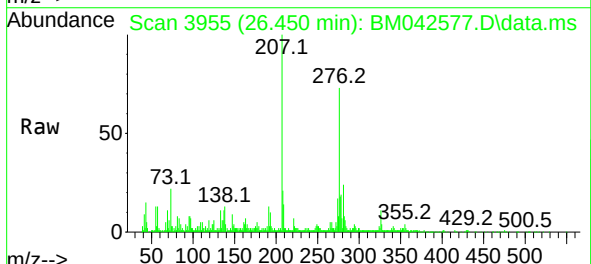
Manual Integrations
APPROVED

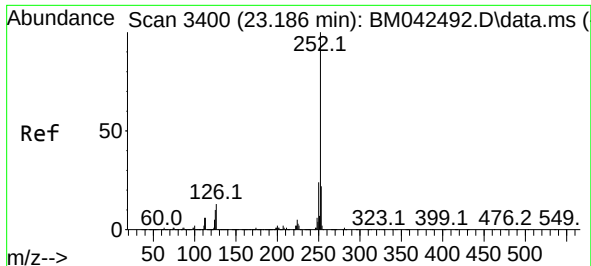
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.113 ng
RT: 26.450 min Scan# 3955
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

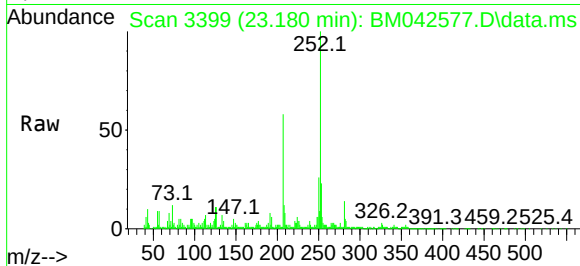
Tgt Ion:276 Resp: 123142
Ion Ratio Lower Upper
276 100
138 18.6 20.6 31.0#
277 24.9 19.5 29.3





#88
Benzo(b)fluoranthene
Concen: 16.207 ng m
RT: 23.180 min Scan# 31
Delta R.T. 0.005 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11

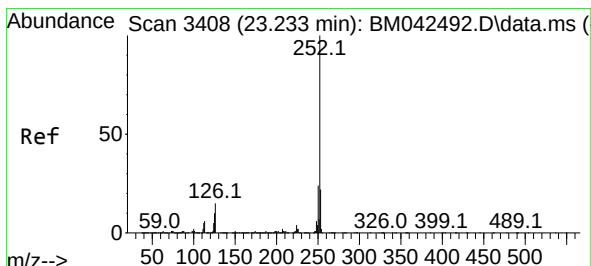
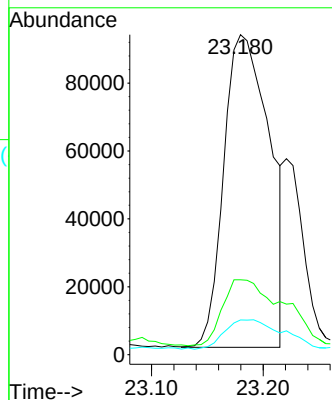
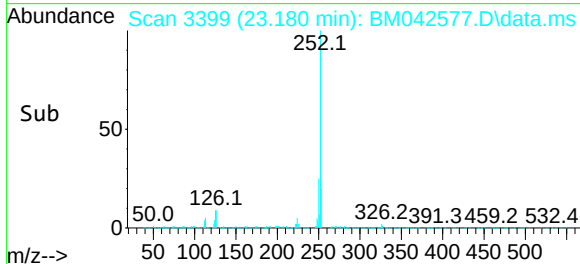
Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)



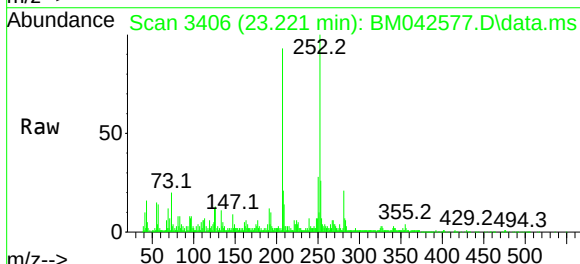
Tgt Ion:252 Resp: 262628
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.9 7.8 11.6

Manual Integrations
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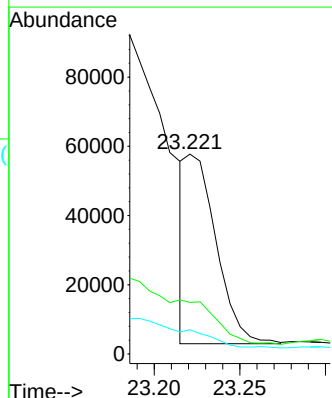
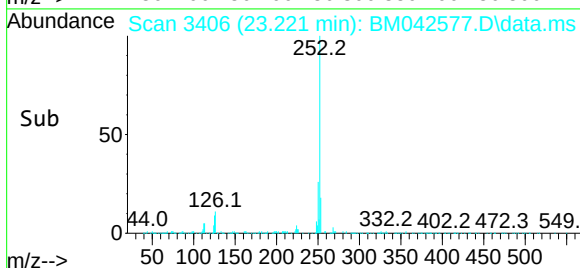
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

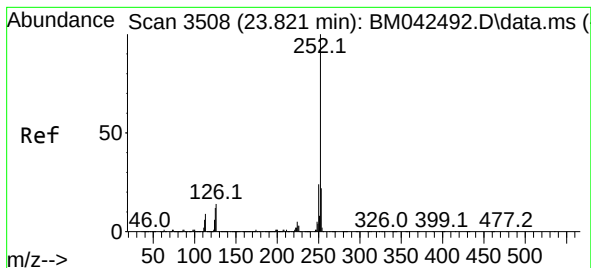


#89
Benzo(k)fluoranthene
Concen: 3.744 ng m
RT: 23.221 min Scan# 3406
Delta R.T. -0.000 min
Lab File: BM042577.D
Acq: 03 Nov 2023 19:11



Tgt Ion:252 Resp: 67611
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 12.1 8.2 12.4





#90

Benzo(a)pyrene

Concen: 18.125 ng

RT: 23.815 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042577.D

Acq: 03 Nov 2023 19:11

Instrument :

BNA_M

ClientSampleId :

L-2(125FT)(0-5)

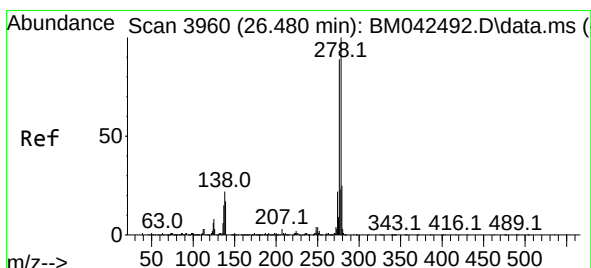
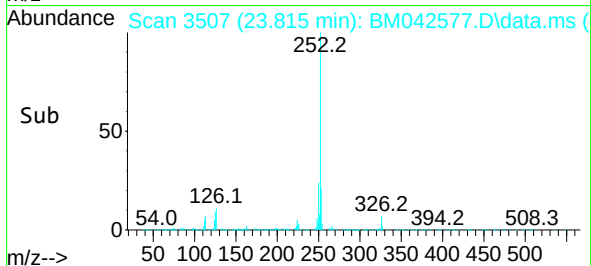
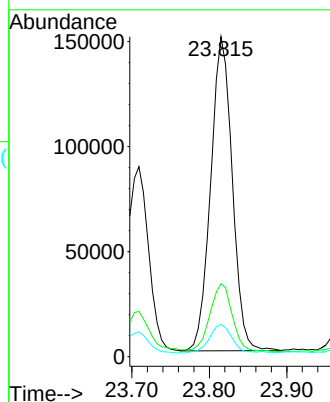
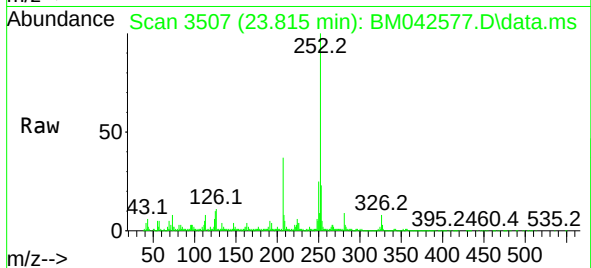
Tgt Ion:	252	Resp:	289160
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	10.1	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#91

Dibenzo(a,h)anthracene

Concen: 6.542 ng

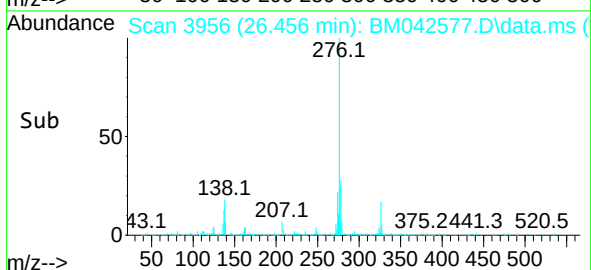
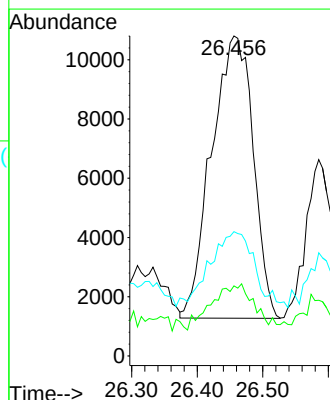
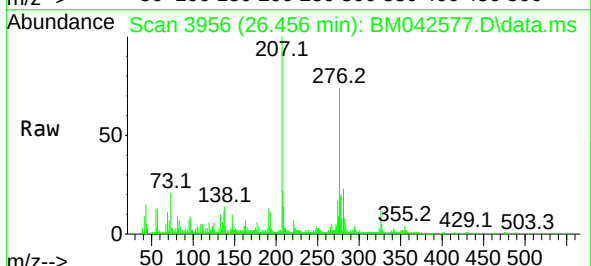
RT: 26.456 min Scan# 3956

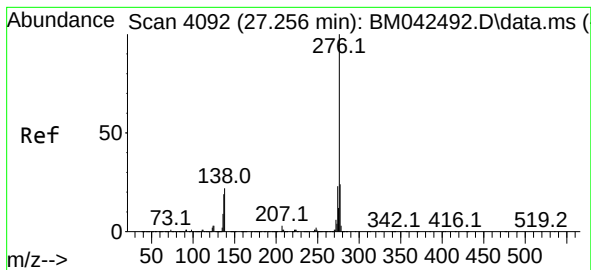
Delta R.T. -0.012 min

Lab File: BM042577.D

Acq: 03 Nov 2023 19:11

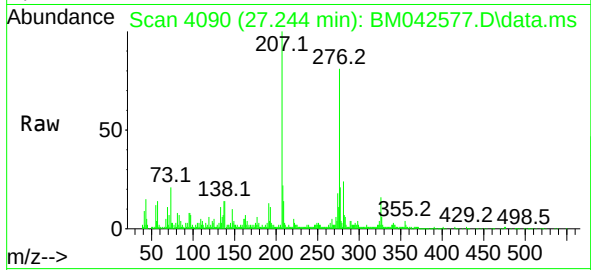
Tgt Ion:	278	Resp:	42048
Ion Ratio	Lower	Upper	
278	100		
139	21.9	13.4	20.2#
279	38.9	19.7	29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 9.493 ng
 RT: 27.244 min Scan# 4090
 Delta R.T. -0.000 min
 Lab File: BM042577.D
 Acq: 03 Nov 2023 19:11

Instrument :
 BNA_M
 ClientSampleId :
 L-2(125FT)(0-5)



Tgt Ion: 276 Resp: 14484
 Ion Ratio Lower Upper
 276 100
 277 25.4 19.2 28.8
 138 17.1 17.3 25.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

