

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042694.D
 Acq On : 10 Nov 2023 16:46
 Operator : MA/JU
 Sample : 05279-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2023
 Supervised By :mohammad ahmed 11/16/2023

Quant Time: Nov 10 17:21:26 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	78666	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	308178	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	181899	20.000	ng	0.00
64) Phenanthrene-d10	17.256	188	322985	20.000	ng	# 0.00
76) Chrysene-d12	21.444	240	309172	20.000	ng	# 0.00
86) Perylene-d12	23.827	264	337833	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	185835	38.125	ng	0.00
7) Phenol-d6	7.010	99	243862	36.479	ng	0.00
23) Nitrobenzene-d5	9.045	82	181144	27.401	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	87947	37.033	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	314566	23.270	ng	0.00
79) Terphenyl-d14	19.874	244	312314	17.128	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.716	128	73994	4.647	ng	99
37) 2-Methylnaphthalene	12.321	142	43108	3.844	ng	# 83
38) 1-Methylnaphthalene	12.545	142	34492	3.268	ng	# 95
49) Acenaphthylene	14.233	152	185846	11.001	ng	99
52) Acenaphthene	14.568	154	26554	2.590	ng	97
58) Fluorene	15.551	166	64277	4.766	ng	98
71) Phenanthrene	17.298	178	402822	23.865	ng	99
72) Anthracene	17.392	178	166654	9.968	ng	99
75) Fluoranthene	19.315	202	801838	40.441	ng	97
78) Pyrene	19.686	202	1342754	63.249	ng	98
81) Benzo(a)anthracene	21.427	228	704146	35.796	ng	94
83) Chrysene	21.480	228	658970	32.979	ng	94
84) Bis(2-ethylhexyl)phtha...	21.309	149	82458	6.017	ng	99
87) Indeno(1,2,3-cd)pyrene	26.309	276	318071m	15.819	ng	
88) Benzo(b)fluoranthene	23.091	252	621313m	33.011	ng	
89) Benzo(k)fluoranthene	23.132	252	181923m	8.674	ng	
90) Benzo(a)pyrene	23.721	252	539771m	29.129	ng	
91) Dibenzo(a,h)anthracene	26.309	278	94087	8.770	ng	95
92) Benzo(g,h,i)perylene	27.091	276	420798	23.745	ng	# 93

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

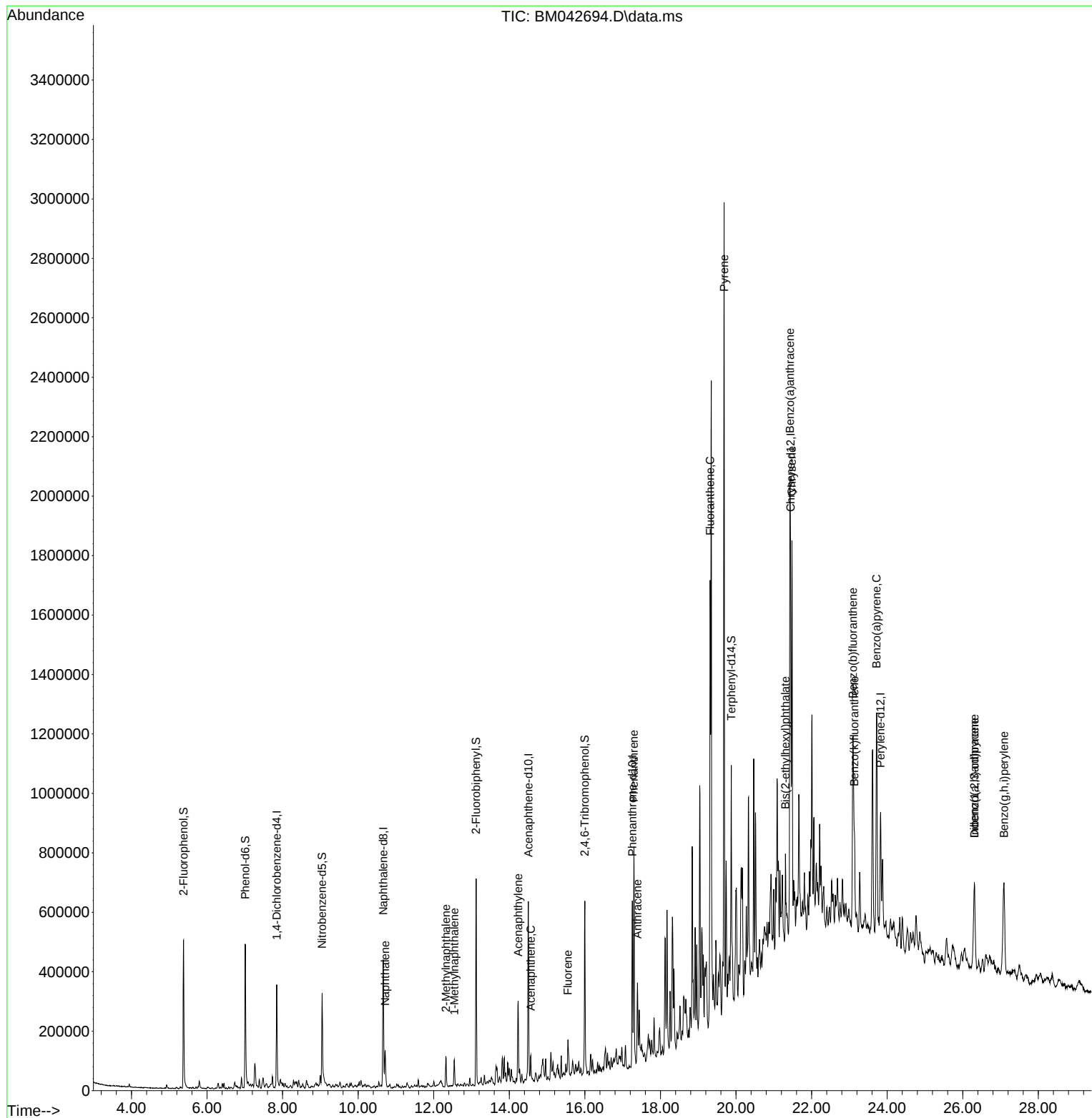
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
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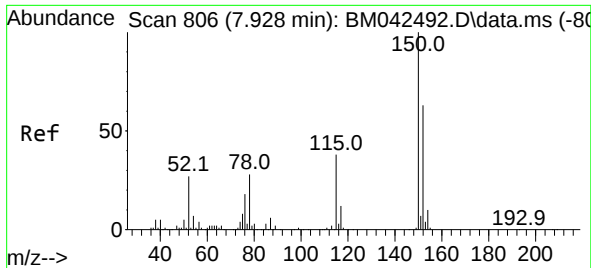
Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Time: Nov 10 17:21:26 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

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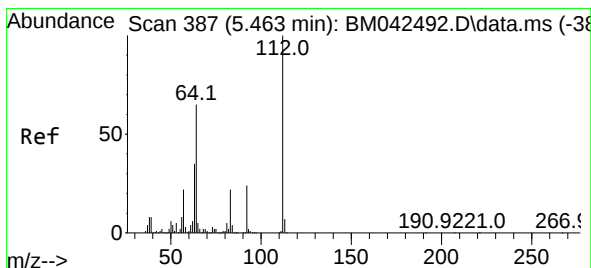
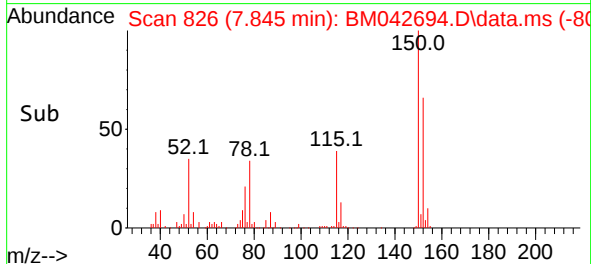
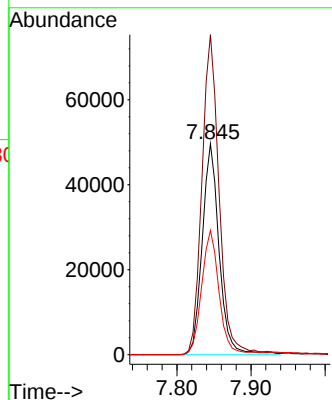
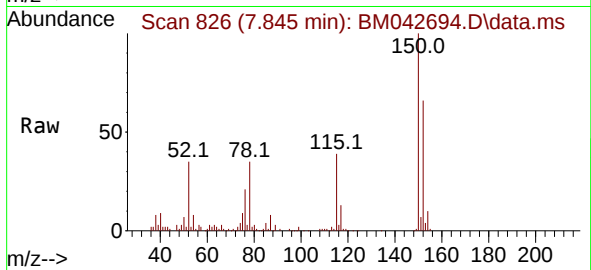
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Instrument :
BNA_M
ClientSampleId :
MH-1

Tgt Ion:152 Resp: 78660
Ion Ratio Lower Upper
152 100
150 151.7 127.4 191.0
115 58.9 47.9 71.9

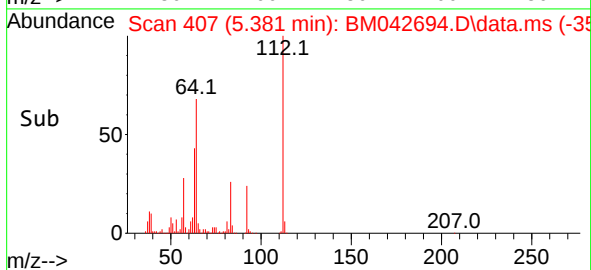
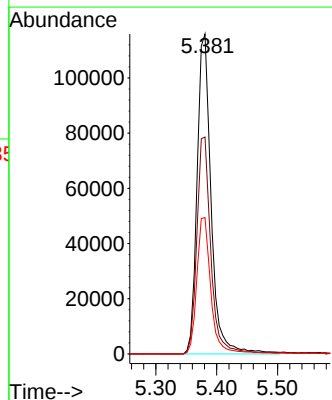
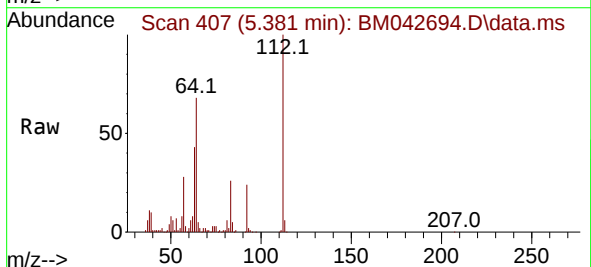
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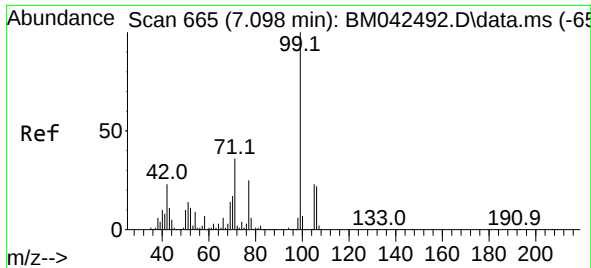
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#5
2-Fluorophenol
Concen: 38.125 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Tgt Ion:112 Resp: 185835
Ion Ratio Lower Upper
112 100
64 67.8 52.1 78.1
63 42.6 28.3 42.5





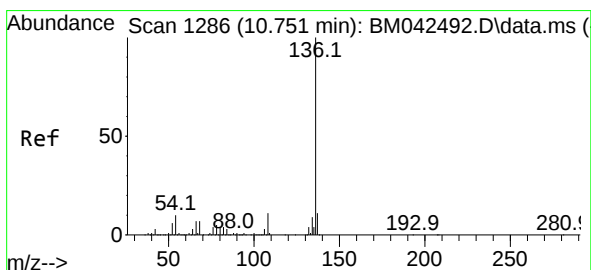
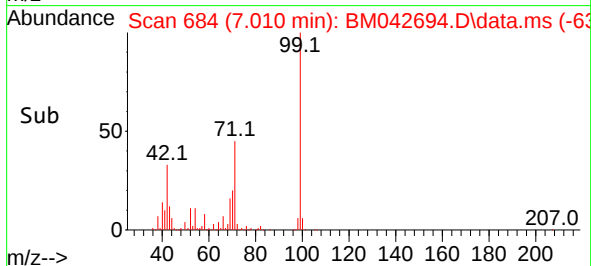
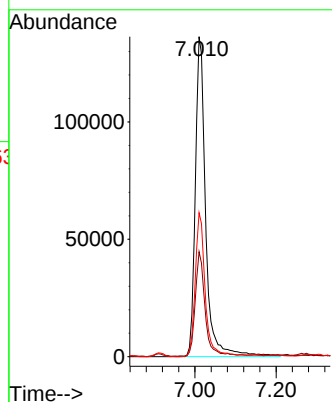
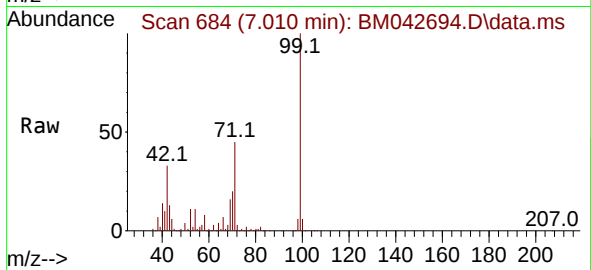
#7
Phenol-d6
Concen: 36.479 ng
RT: 7.010 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Instrument :
BNA_M
ClientSampleId :
MH-1

Tgt Ion: 99 Resp: 243862
Ion Ratio Lower Upper
99 100
42 32.8 18.7 28.1
71 45.0 29.1 43.7

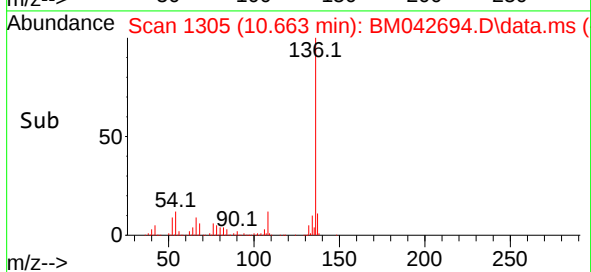
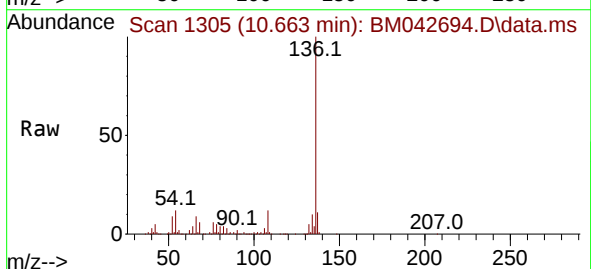
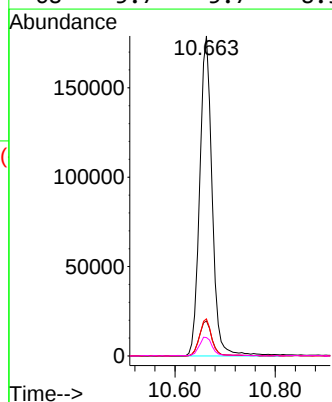
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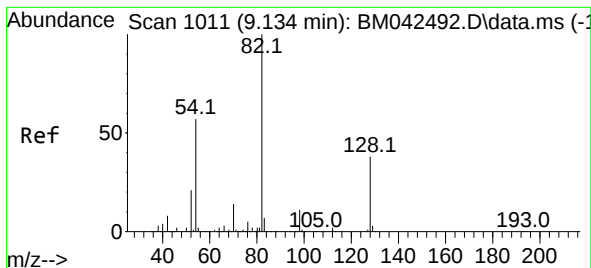
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Tgt Ion:136 Resp: 308178
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 11.6 8.0 12.0
68 5.7 5.7 8.5





#23

Nitrobenzene-d5

Concen: 27.401 ng

RT: 9.045 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

MH-1

Tgt Ion: 82 Resp: 18114

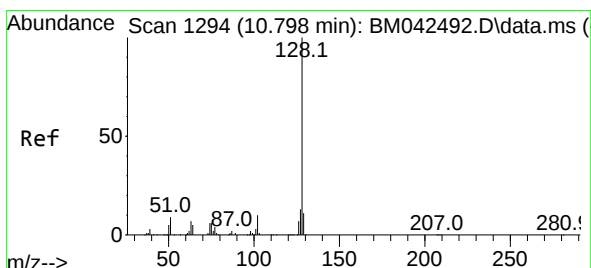
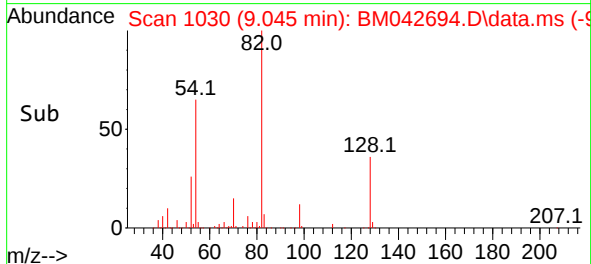
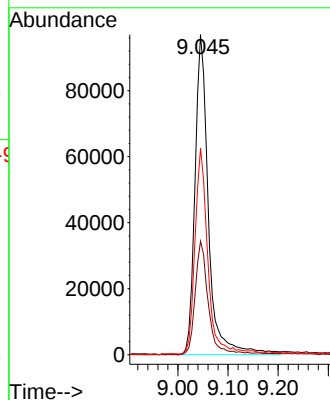
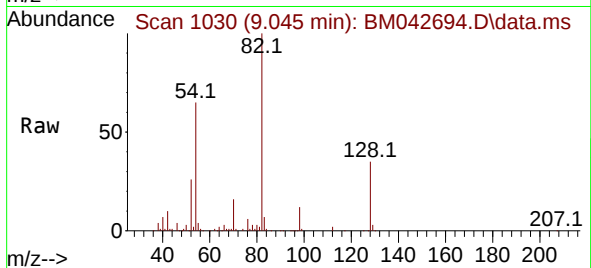
Ion	Ratio	Lower	Upper
82	100		
128	35.5	30.7	46.1
54	64.5	45.3	67.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/16/2023



#31

Naphthalene

Concen: 4.647 ng

RT: 10.716 min Scan# 1314

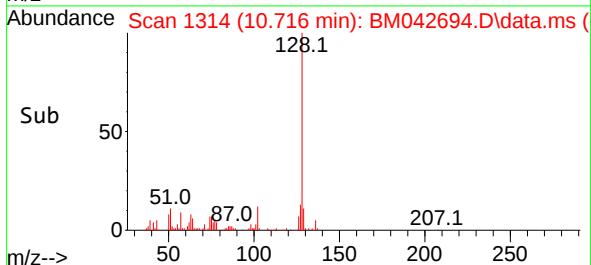
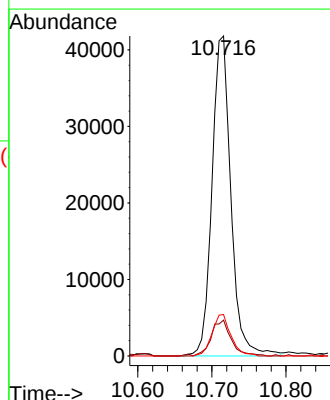
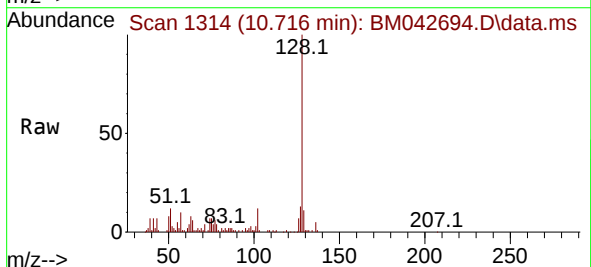
Delta R.T. -0.000 min

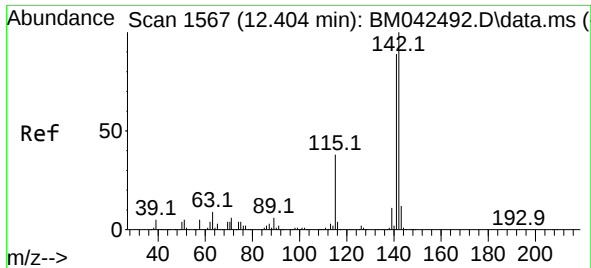
Lab File: BM042694.D

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Tgt Ion:128 Resp: 73994

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.9	10.6	15.8





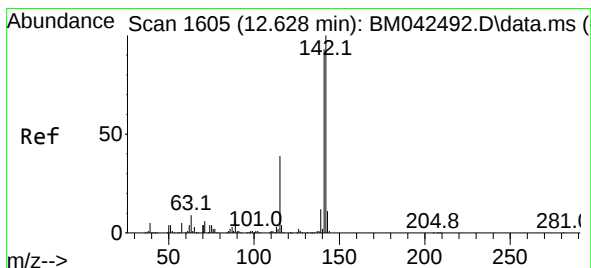
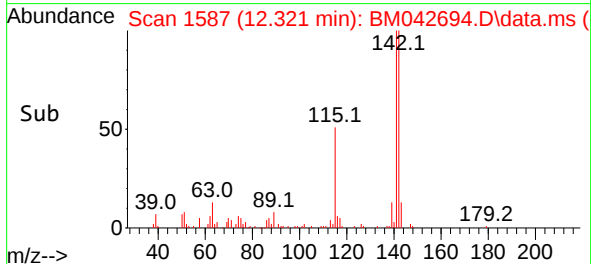
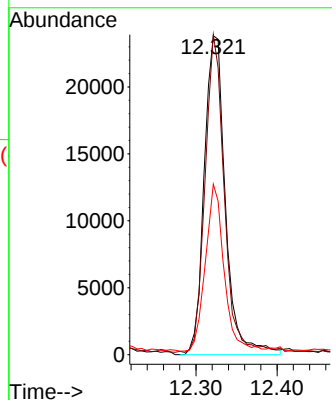
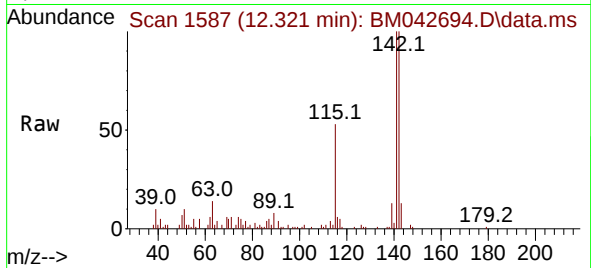
#37
2-Methylnaphthalene
Concen: 3.844 ng
RT: 12.321 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Instrument :
BNA_M
ClientSampleId :
MH-1

Tgt Ion:142 Resp: 43108
Ion Ratio Lower Upper
142 100
141 100.4 70.9 106.3
115 53.5 30.2 45.2

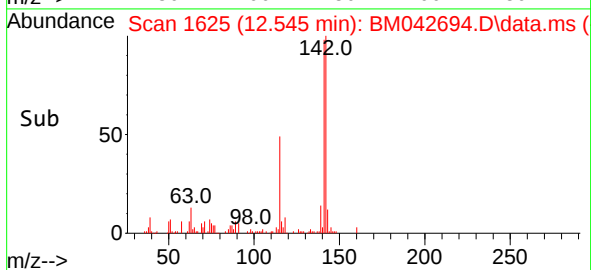
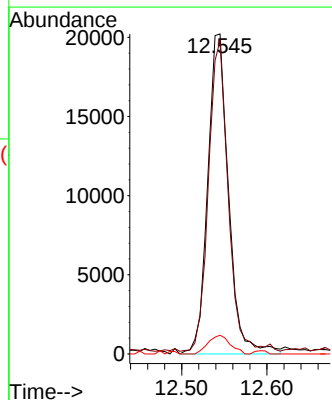
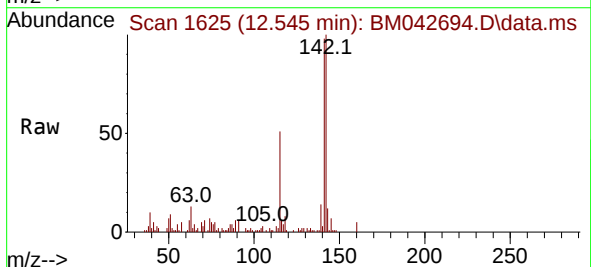
Manual Integrations
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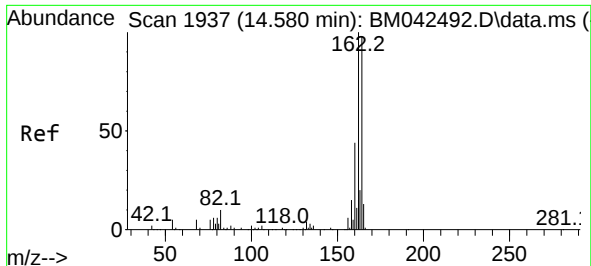
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#38
1-Methylnaphthalene
Concen: 3.268 ng
RT: 12.545 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

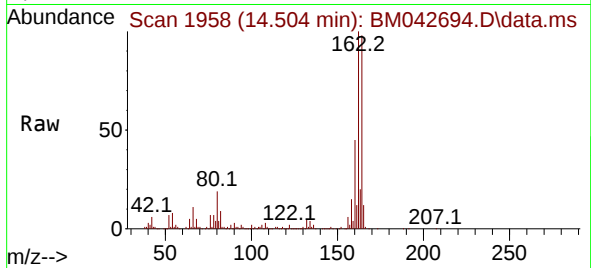
Tgt Ion:142 Resp: 34492
Ion Ratio Lower Upper
142 100
141 97.9 74.4 111.6
116 5.9 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

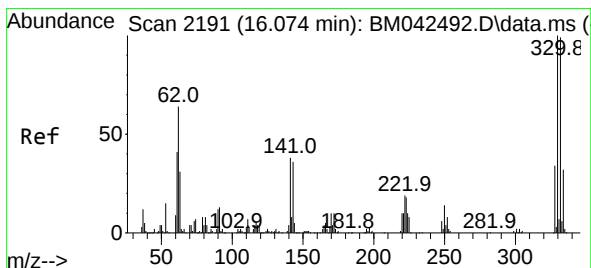
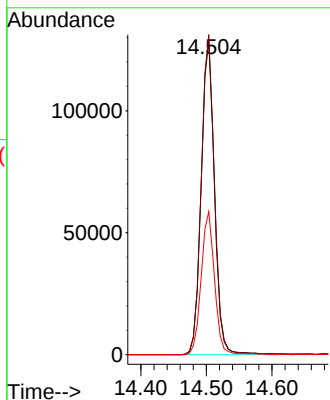
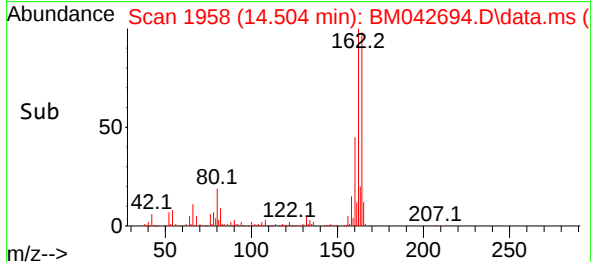
Instrument :
BNA_M
ClientSampleId :
MH-1



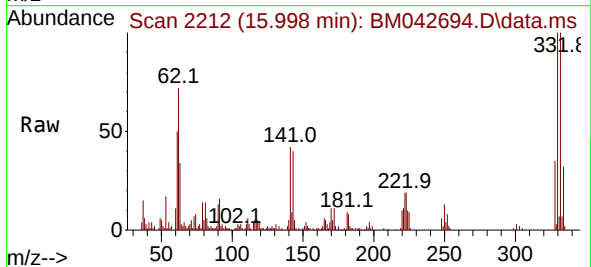
Tgt Ion:164 Resp: 181899
Ion Ratio Lower Upper
164 100
162 102.1 81.6 122.4
160 45.6 36.2 54.4

Manual Integrations
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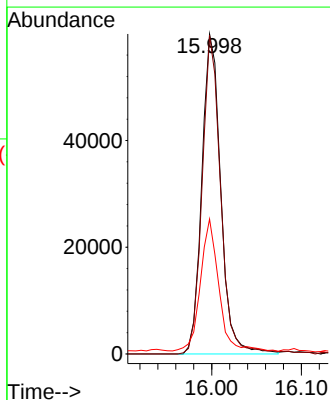
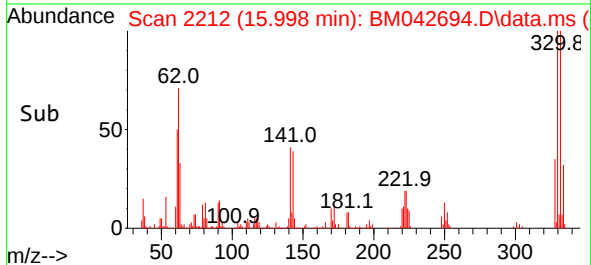
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

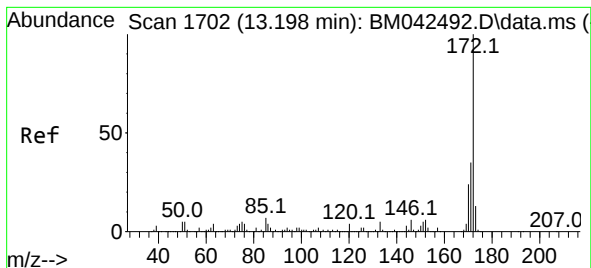


#42
2,4,6-Tribromophenol
Concen: 37.033 ng
RT: 15.998 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46



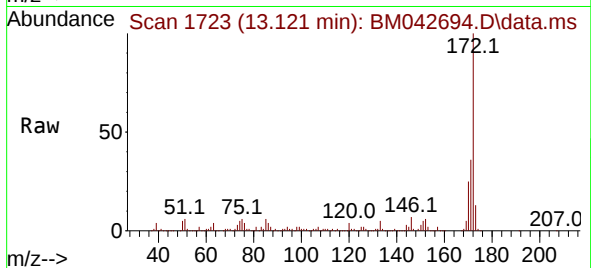
Tgt Ion:330 Resp: 87947
Ion Ratio Lower Upper
330 100
332 97.8 78.8 118.2
141 40.1 31.1 46.7





#45
2-Fluorobiphenyl
Concen: 23.270 ng
RT: 13.121 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

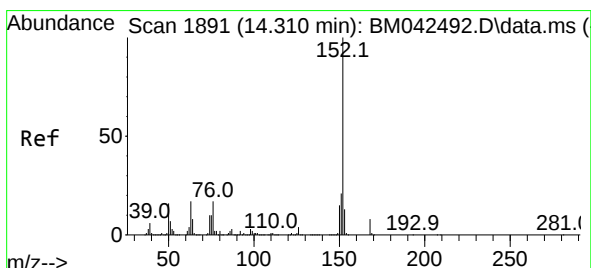
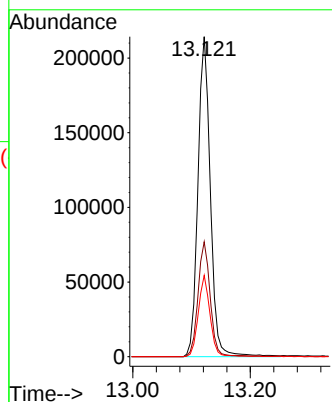
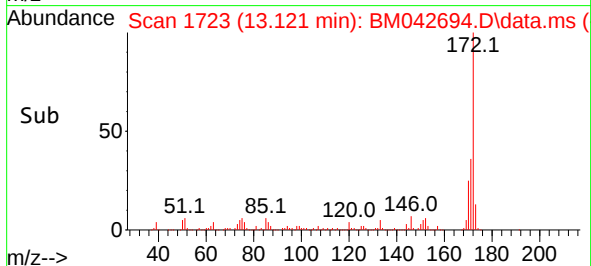
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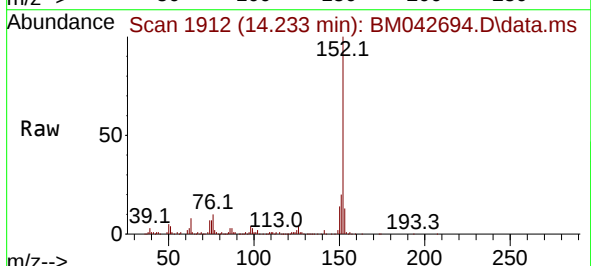
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Ion Ratio Lower Upper
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171 35.9 28.2 42.2
170 25.4 19.0 28.4

Manual Integrations
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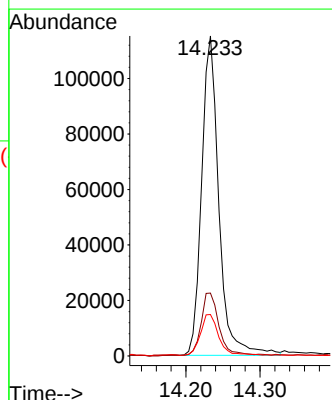
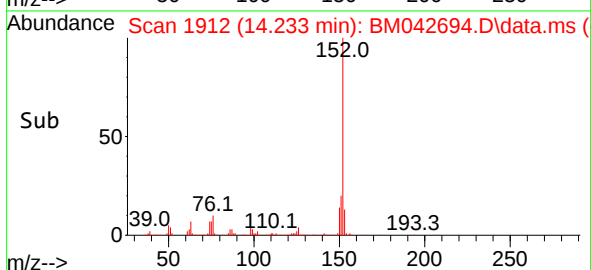
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

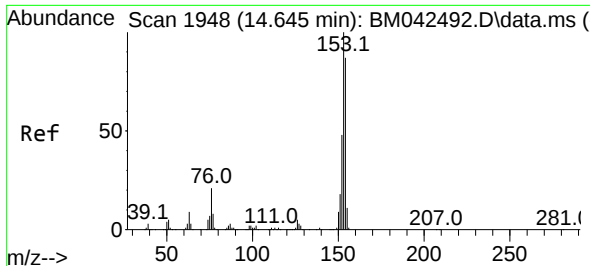


#49
Acenaphthylene
Concen: 11.001 ng
RT: 14.233 min Scan# 1912
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46



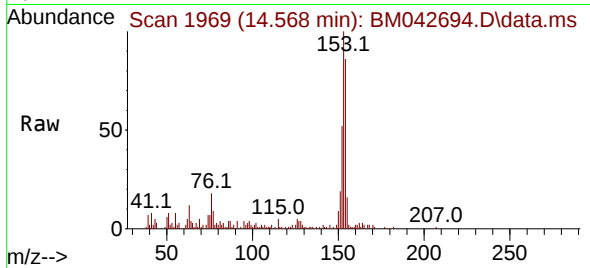
Tgt Ion:152 Resp: 185846
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 13.0 10.4 15.6





#52
Acenaphthene
Concen: 2.590 ng
RT: 14.568 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

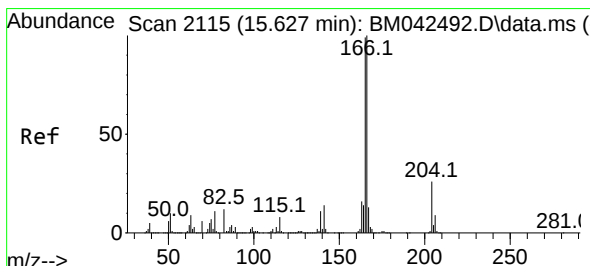
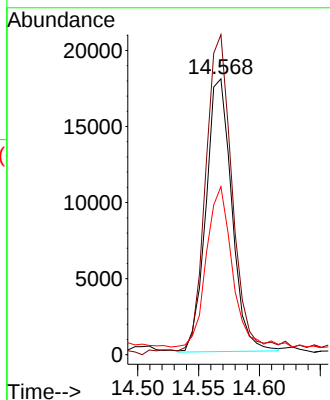
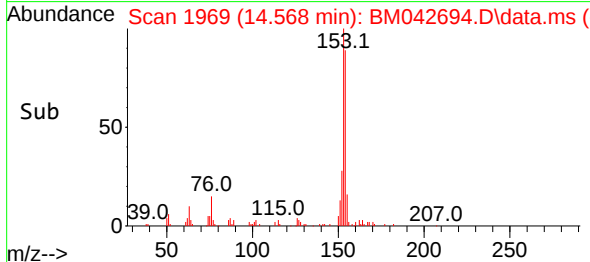
Instrument :
BNA_M
ClientSampleId :
MH-1



Tgt Ion:154 Resp: 26554
Ion Ratio Lower Upper
154 100
153 116.0 92.0 138.0
152 60.9 44.0 66.0

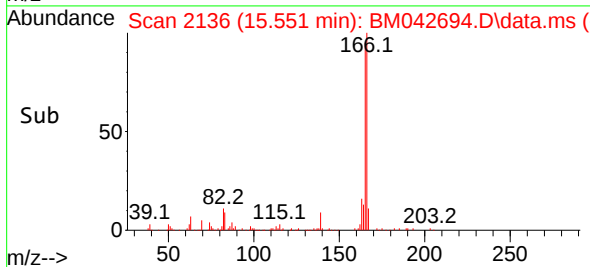
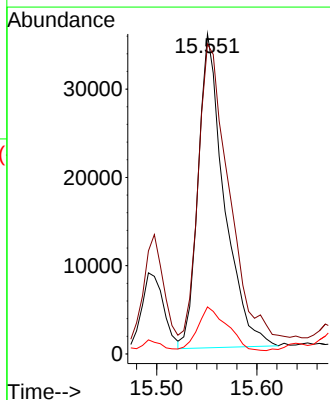
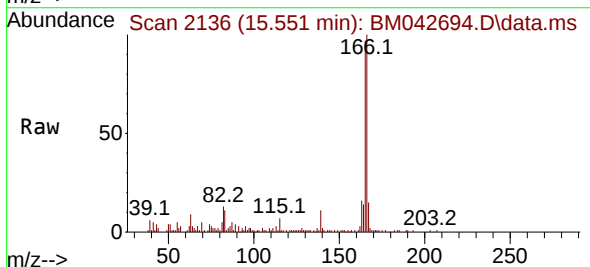
Manual Integrations
APPROVED

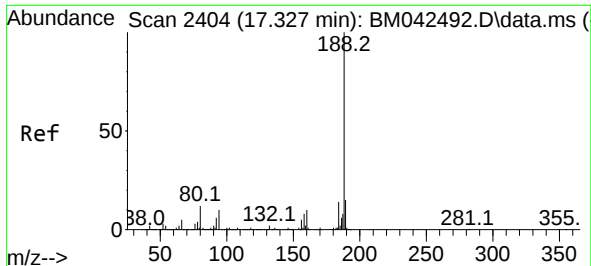
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#58
Fluorene
Concen: 4.766 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

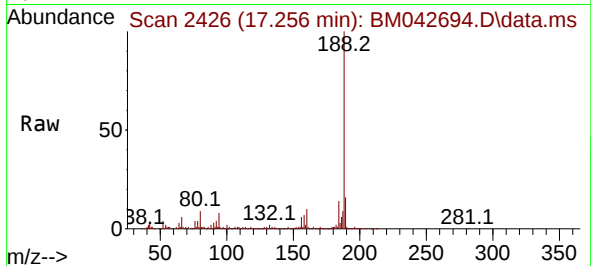
Tgt Ion:166 Resp: 64277
Ion Ratio Lower Upper
166 100
165 96.8 79.3 118.9
167 14.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.256 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

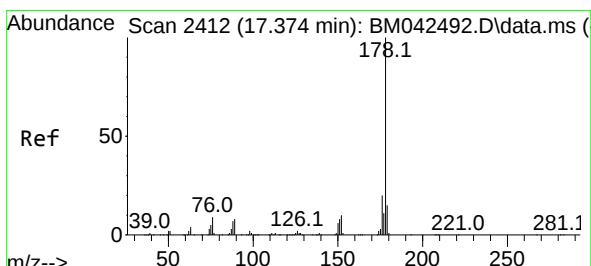
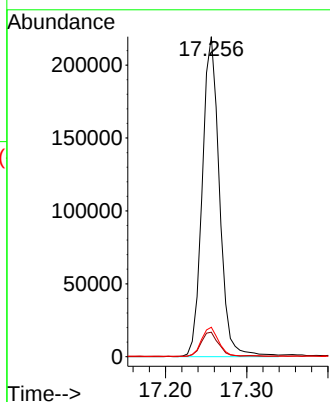
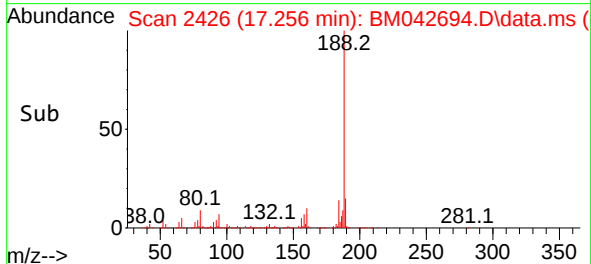
Instrument :
BNA_M
ClientSampleId :
MH-1



Tgt Ion:188 Resp: 322985
Ion Ratio Lower Upper
188 100
94 7.6 8.2 12.4
80 9.2 9.4 14.2

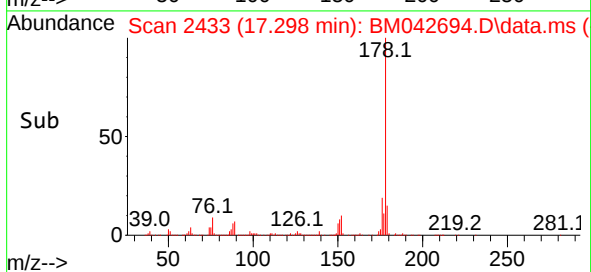
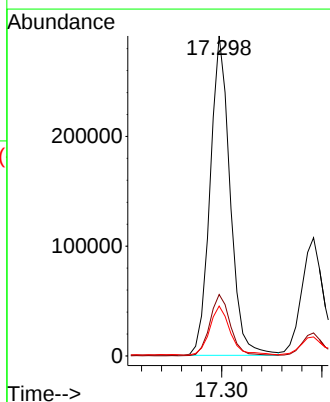
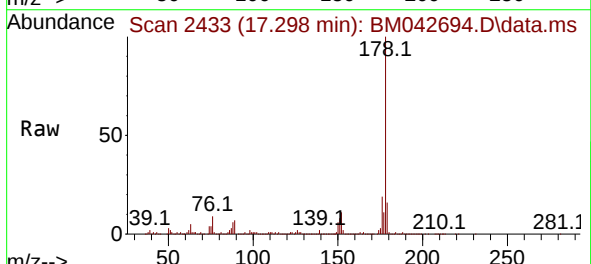
Manual Integrations
APPROVED

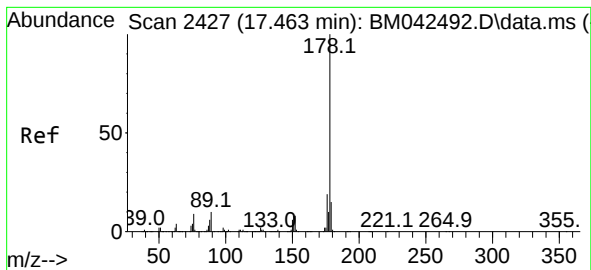
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#71
Phenanthrene
Concen: 23.865 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

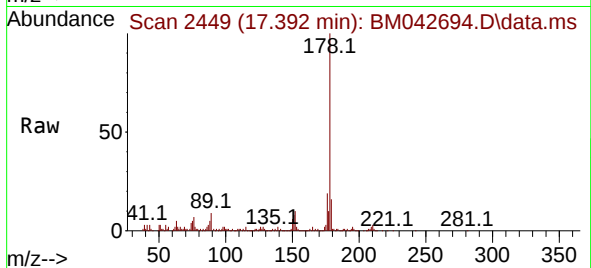
Tgt Ion:178 Resp: 402822
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.6 12.2 18.4





#72
 Anthracene
 Concen: 9.968 ng
 RT: 17.392 min Scan# 2427
 Delta R.T. -0.000 min
 Lab File: BM042694.D
 Acq: 10 Nov 2023 16:46

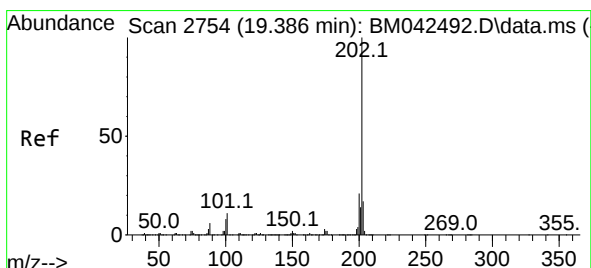
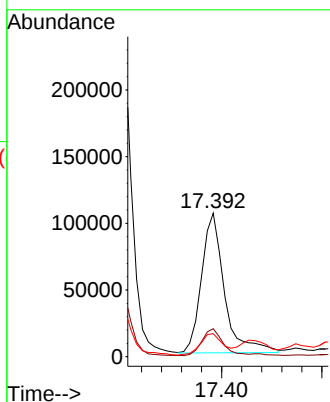
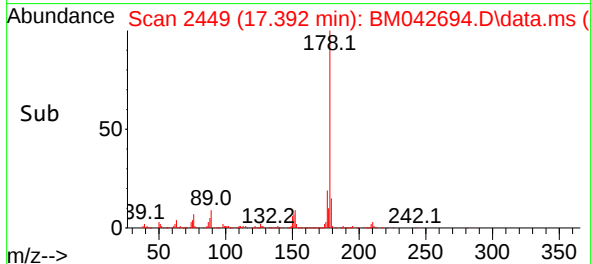
Instrument :
 BNA_M
 ClientSampleId :
 MH-1



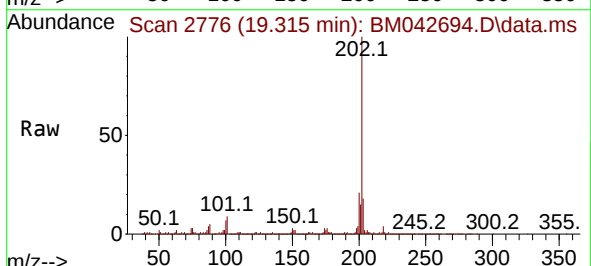
Tgt Ion:178 Resp: 166654
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.2 22.8
 179 16.1 12.3 18.5

Manual Integrations
 APPROVED

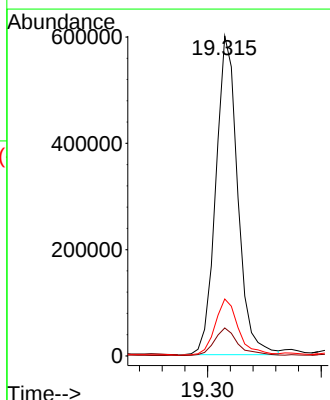
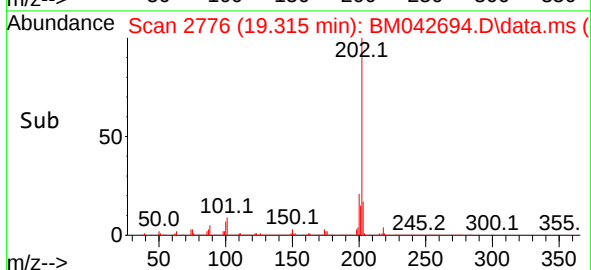
Reviewed By :Yogesh Patel 11/14/2023
 Supervised By :mohammad ahmed 11/16/2023

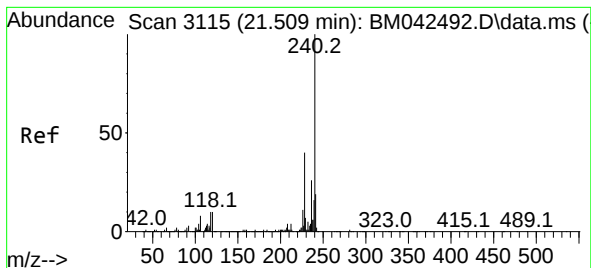


#75
 Fluoranthene
 Concen: 40.441 ng
 RT: 19.315 min Scan# 2776
 Delta R.T. -0.000 min
 Lab File: BM042694.D
 Acq: 10 Nov 2023 16:46



Tgt Ion:202 Resp: 801838
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 30.5
 203 17.8 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 3115

Delta R.T. 0.006 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

MH-1

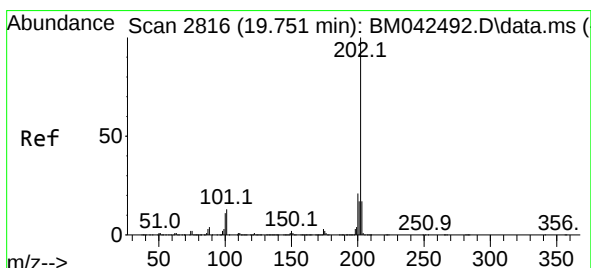
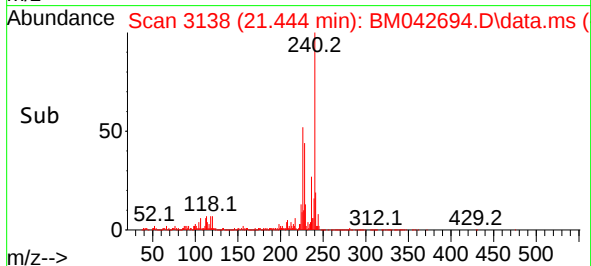
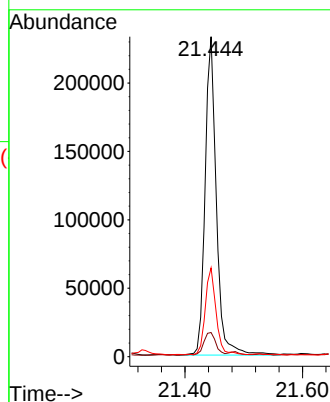
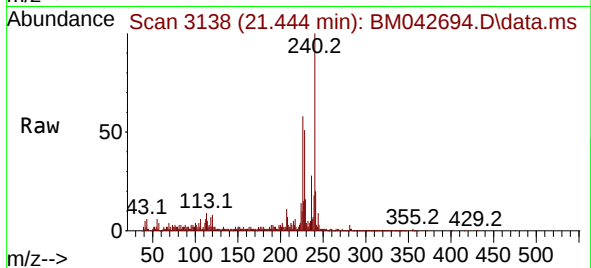
Tgt Ion:240 Resp: 309172
 Ion Ratio Lower Upper
 240 100
 120 7.5 8.3 12.5
 236 27.8 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/16/2023



#78

Pyrene

Concen: 63.249 ng

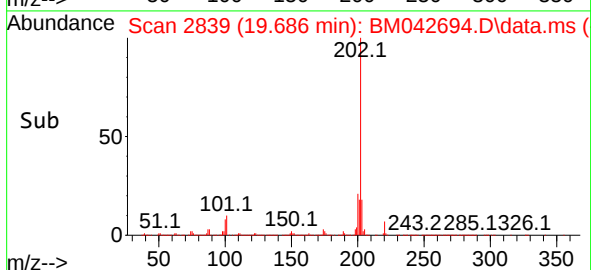
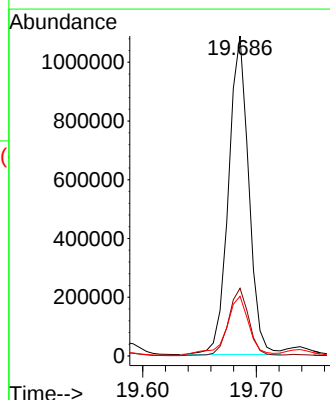
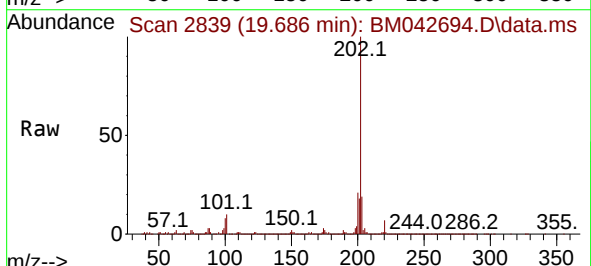
RT: 19.686 min Scan# 2839

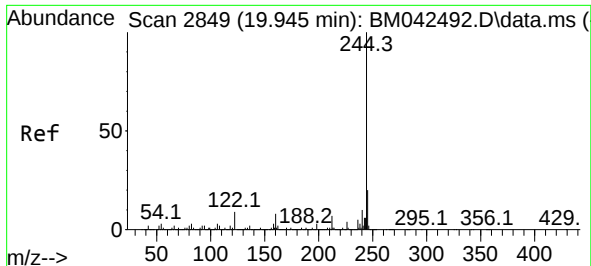
Delta R.T. 0.006 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

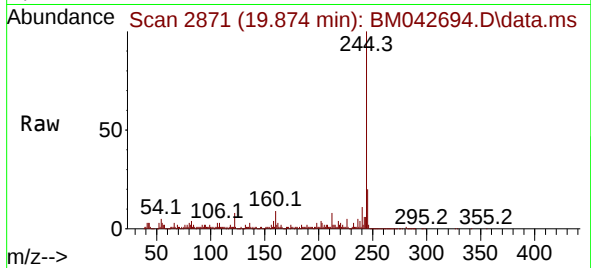
Tgt Ion:202 Resp: 1342754
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.9 25.3
 203 18.7 13.7 20.5





#79
 Terphenyl-d14
 Concen: 17.128 ng
 RT: 19.874 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM042694.D
 Acq: 10 Nov 2023 16:46

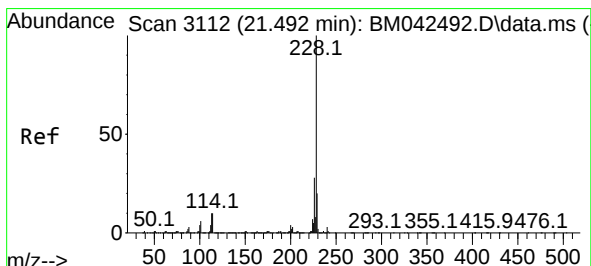
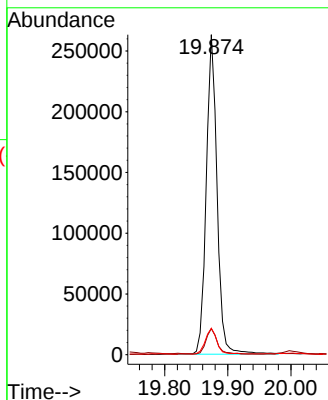
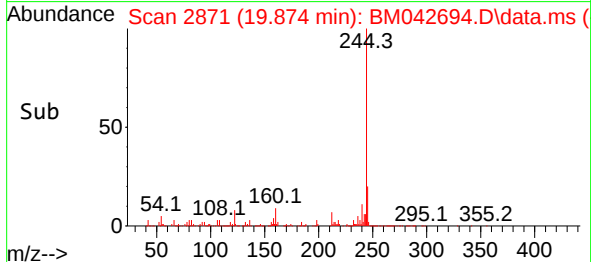
Instrument :
 BNA_M
 ClientSampleId :
 MH-1



Tgt Ion:244 Resp: 312314
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.4 8.2
 122 8.3 7.2 10.8

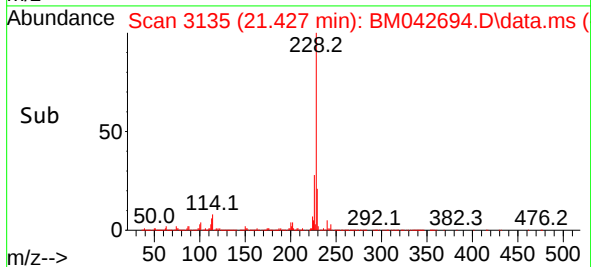
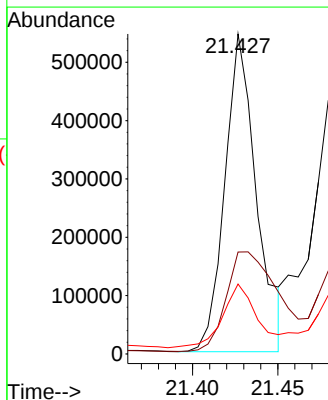
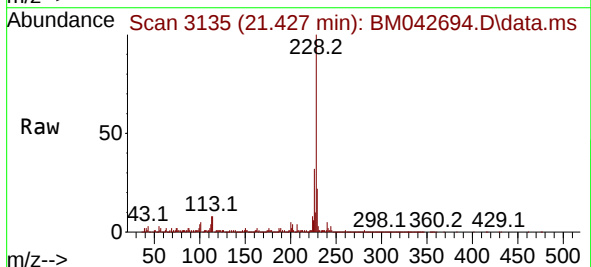
Manual Integrations
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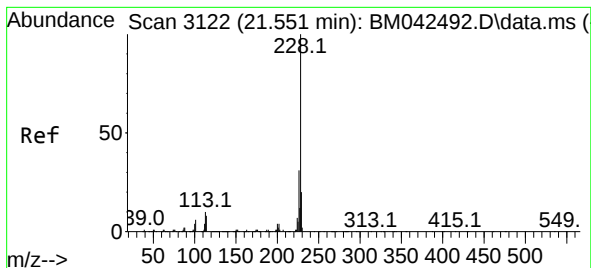
Reviewed By :Yogesh Patel 11/14/2023
 Supervised By :mohammad ahmed 11/16/2023



#81
 Benzo(a)anthracene
 Concen: 35.796 ng
 RT: 21.427 min Scan# 3135
 Delta R.T. -0.000 min
 Lab File: BM042694.D
 Acq: 10 Nov 2023 16:46

Tgt Ion:228 Resp: 704146
 Ion Ratio Lower Upper
 228 100
 226 31.9 22.3 33.5
 229 21.8 15.8 23.8





#83

Chrysene

Concen: 32.979 ng

RT: 21.480 min Scan# 3115

Delta R.T. -0.000 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

MH-1

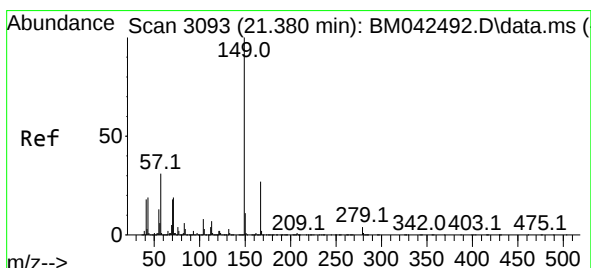
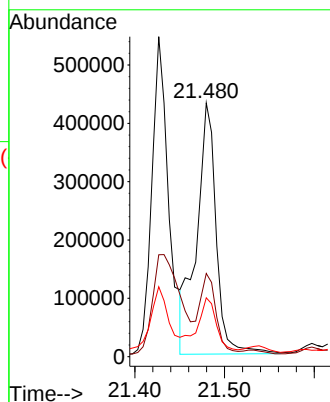
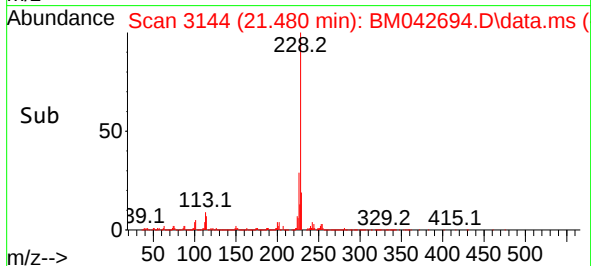
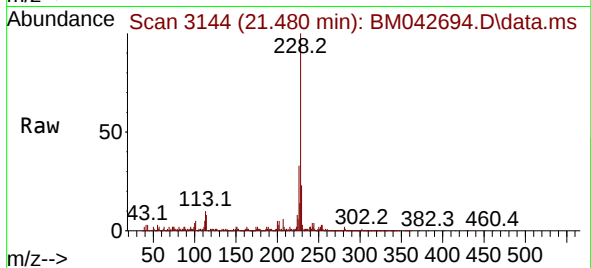
Tgt Ion:	228	Resp:	658970
Ion Ratio	Lower	Upper	
228	100		
226	32.8	24.4	36.6
229	23.2	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/16/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.017 ng

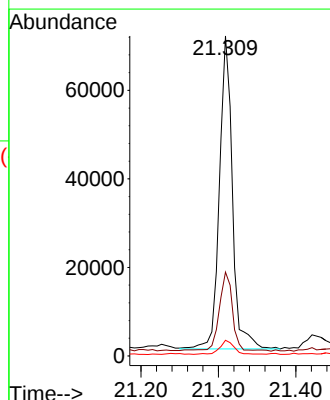
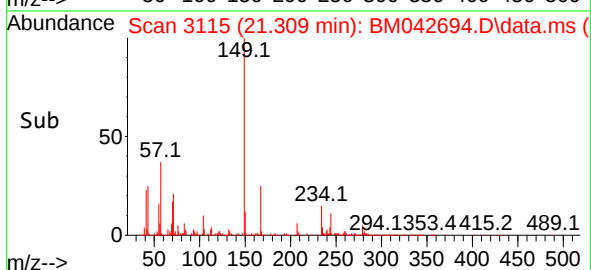
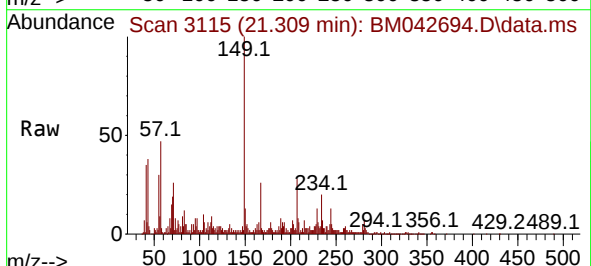
RT: 21.309 min Scan# 3115

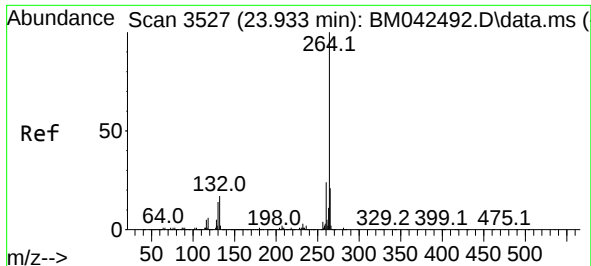
Delta R.T. -0.000 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

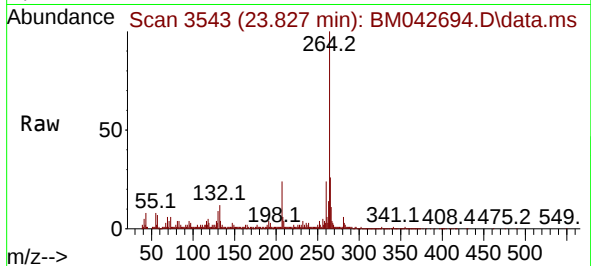
Tgt Ion:	149	Resp:	82458
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.4	32.0
279	4.9	3.4	5.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.827 min Scan# 3543
Delta R.T. 0.012 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

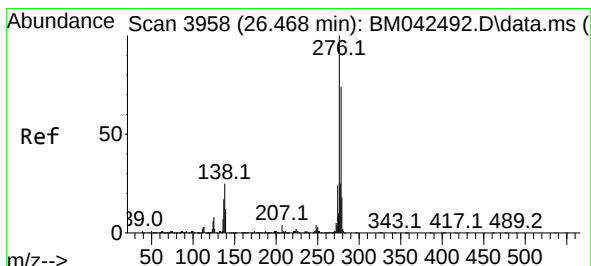
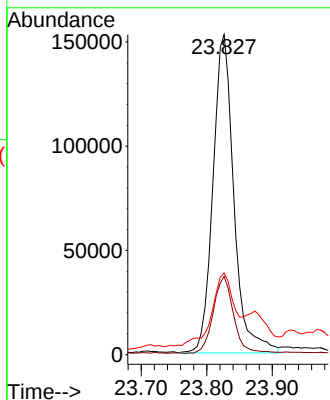
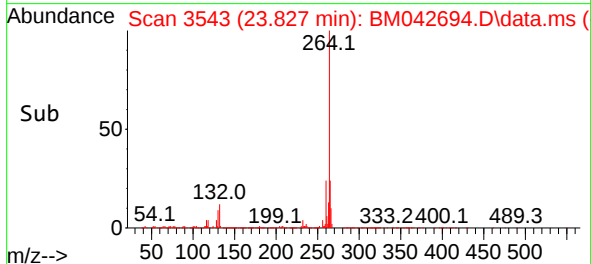
Instrument :
BNA_M
ClientSampleId :
MH-1



Tgt Ion:264 Resp: 33783
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.4
265 25.5 18.7 28.1

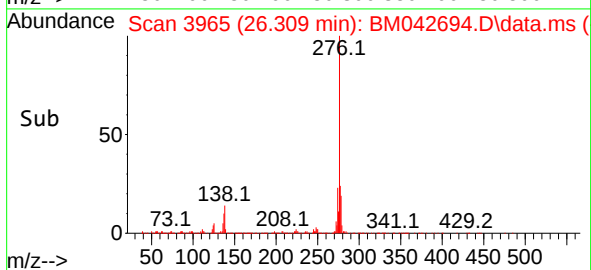
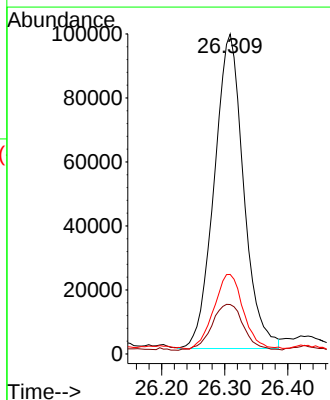
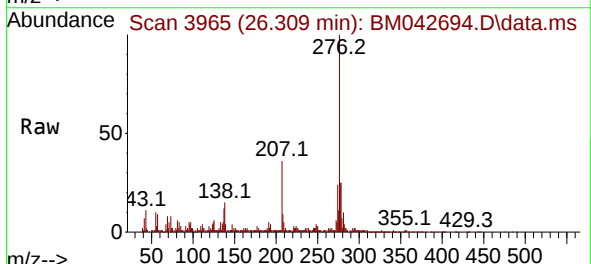
Manual Integrations
APPROVED

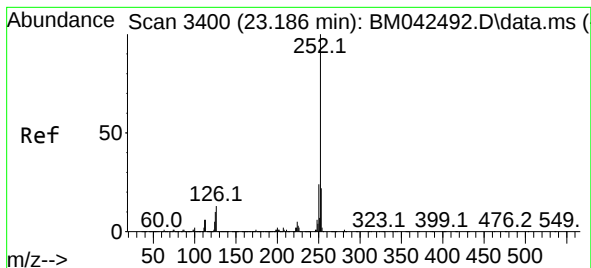
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.819 ng m
RT: 26.309 min Scan# 3965
Delta R.T. 0.006 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Tgt Ion:276 Resp: 318071
Ion Ratio Lower Upper
276 100
138 0.9 20.6 31.0#
277 1.0 19.5 29.3#





#88

Benzo(b)fluoranthene

Concen: 33.011 ng m

RT: 23.091 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

MH-1

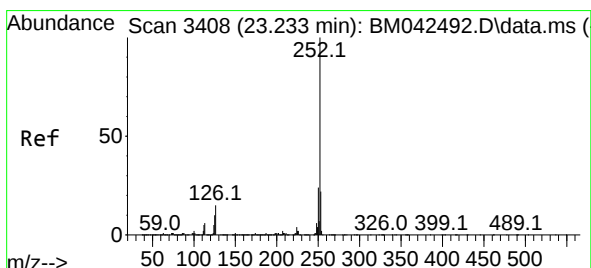
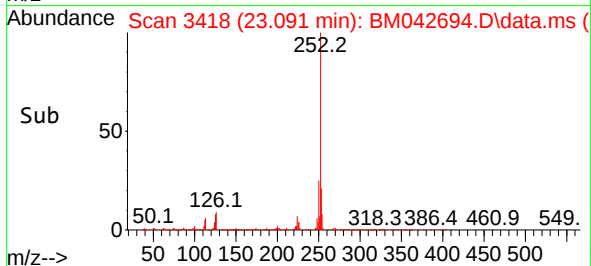
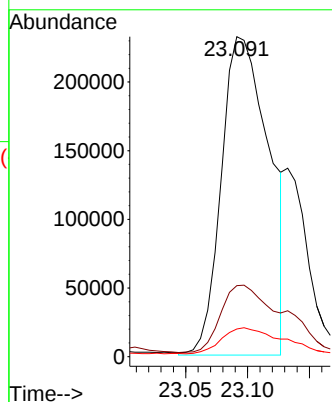
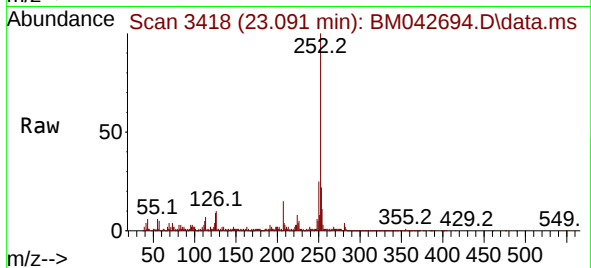
Tgt Ion:	252	Resp:	62131
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	8.7	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/16/2023



#89

Benzo(k)fluoranthene

Concen: 8.674 ng m

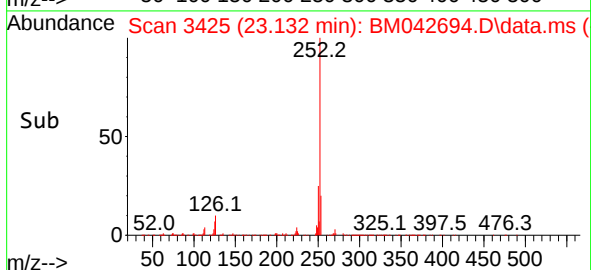
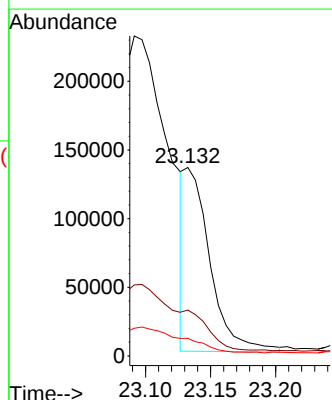
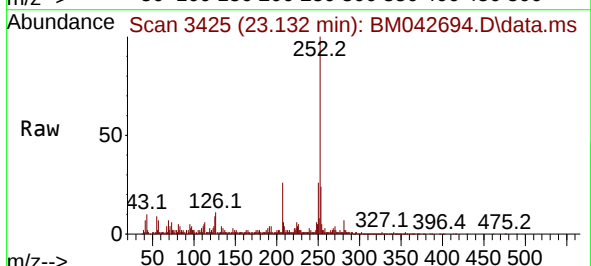
RT: 23.132 min Scan# 3425

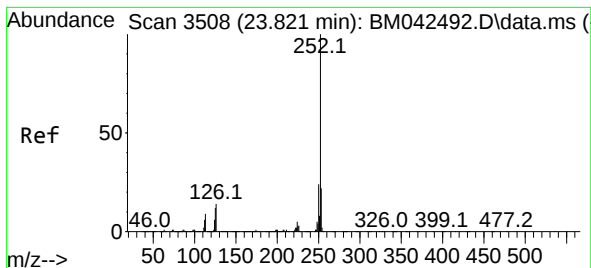
Delta R.T. -0.006 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Tgt Ion:	252	Resp:	181923
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.6	26.4
125	9.4	8.2	12.4





#90

Benzo(a)pyrene

Concen: 29.129 ng m

RT: 23.721 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

MH-1

Tgt Ion:252 Resp: 53977

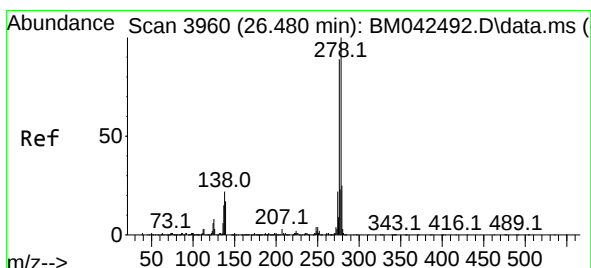
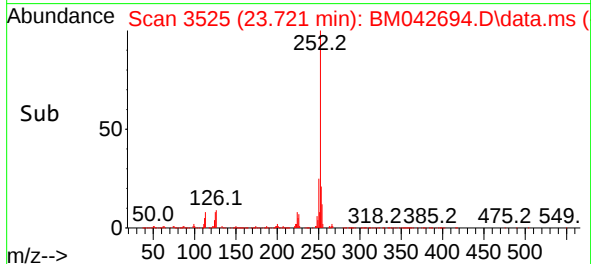
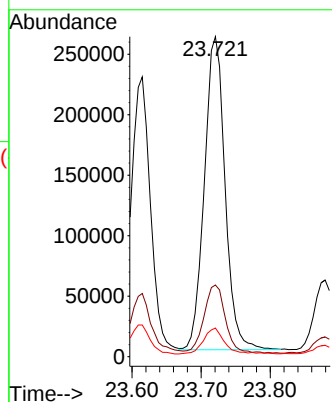
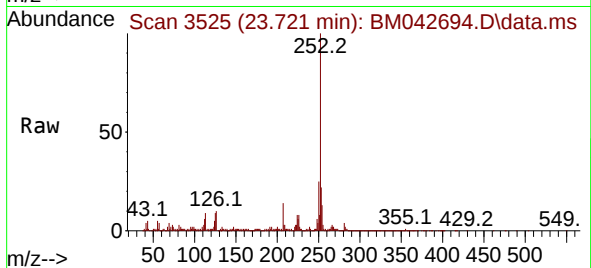
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	9.0	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/16/2023



#91

Dibenzo(a,h)anthracene

Concen: 8.770 ng

RT: 26.309 min Scan# 3965

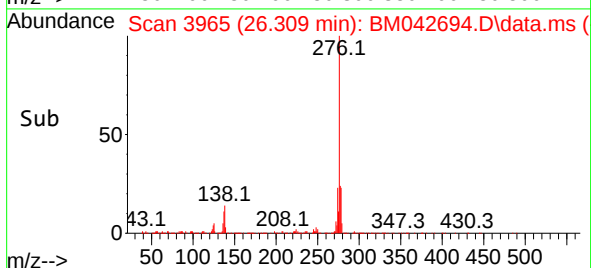
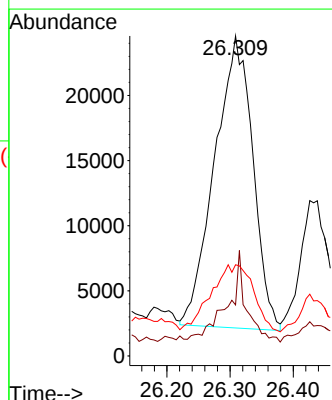
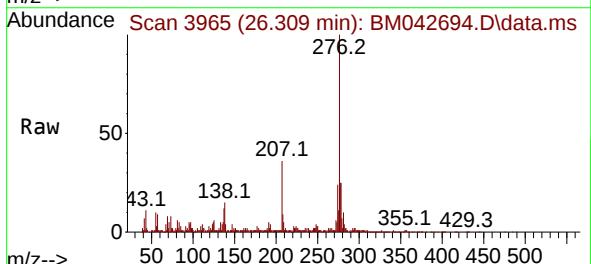
Delta R.T. -0.006 min

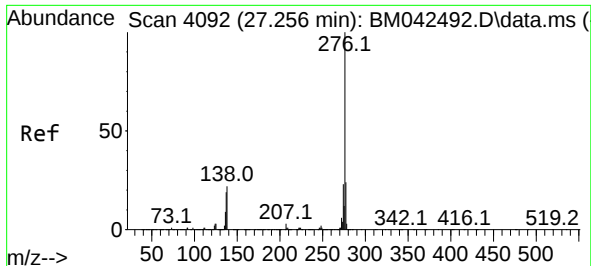
Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Tgt Ion:278 Resp: 94087

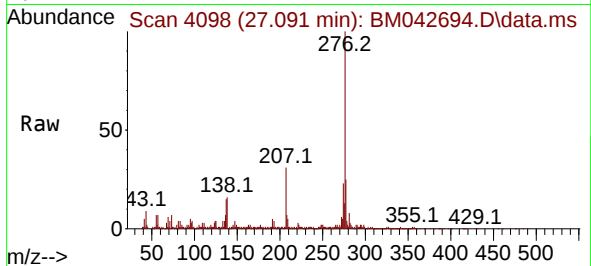
Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.4	20.2
279	28.5	19.7	29.5





#92
 Benzo(g,h,i)perylene
 Concen: 23.745 ng
 RT: 27.091 min Scan# 4098
 Delta R.T. 0.012 min
 Lab File: BM042694.D
 Acq: 10 Nov 2023 16:46

Instrument :
 BNA_M
 ClientSampleId :
 MH-1



Tgt Ion:	276	Resp:	420798
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.2	28.8
138	15.6	17.3	25.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2023
 Supervised By :mohammad ahmed 11/16/2023

