

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042701.D
 Acq On : 10 Nov 2023 20:58
 Operator : MA/JU
 Sample : 05257-01DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-6DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 23:06:05 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	65166	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	254407	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	159666	20.000	ng	0.00
64) Phenanthrene-d10	17.256	188	299983	20.000	ng	# 0.00
76) Chrysene-d12	21.444	240	251204	20.000	ng	# 0.00
86) Perylene-d12	23.821	264	276622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	160364	39.715	ng	0.00
7) Phenol-d6	7.016	99	220615	39.838	ng	0.00
23) Nitrobenzene-d5	9.051	82	161797	29.647	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	92696	44.468	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	354411	29.868	ng	0.00
79) Terphenyl-d14	19.874	244	376888	25.440	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.233	152	95771	6.458	ng	99
58) Fluorene	15.551	166	26610	2.248	ng	98
71) Phenanthrene	17.298	178	343755	21.928	ng	99
72) Anthracene	17.392	178	104293	6.717	ng	99
75) Fluoranthene	19.315	202	793398	43.084	ng	97
78) Pyrene	19.686	202	749529	43.453	ng	99
81) Benzo(a)anthracene	21.427	228	413378	25.864	ng	97
83) Chrysene	21.480	228	419009	25.808	ng	96
87) Indeno(1,2,3-cd)pyrene	26.303	276	265916	16.151	ng	# 89
88) Benzo(b)fluoranthene	23.091	252	587576m	38.127	ng	
89) Benzo(k)fluoranthene	23.133	252	166476m	9.694	ng	
90) Benzo(a)pyrene	23.721	252	362876m	23.916	ng	
91) Dibenzo(a,h)anthracene	26.315	278	73830	8.577	ng	99
92) Benzo(g,h,i)perylene	27.085	276	251829	17.355	ng	# 93

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

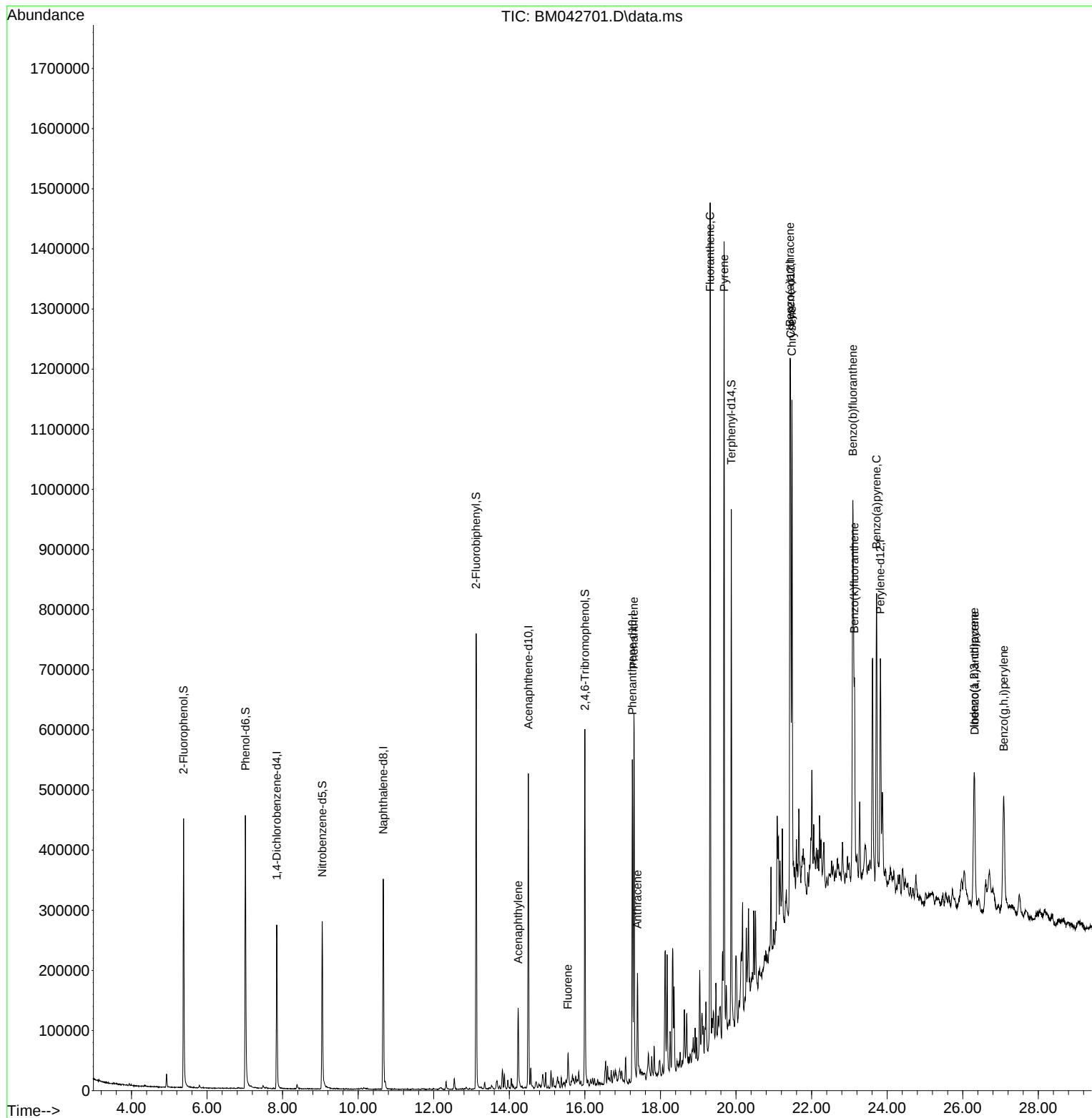
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
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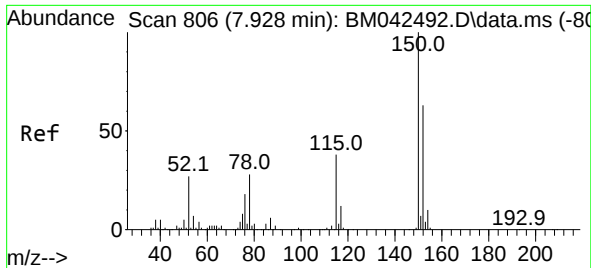
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Quant Time: Nov 10 23:06:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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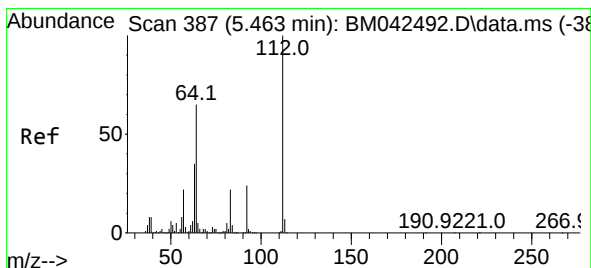
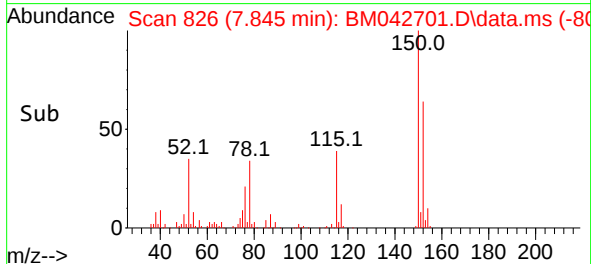
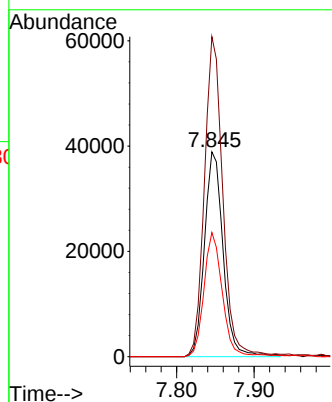
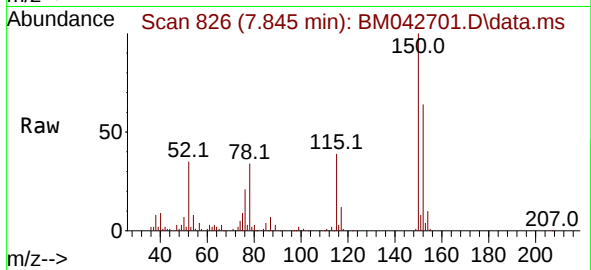
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Instrument :
BNA_M
ClientSampleId :
WC-6DL

Tgt Ion:152 Resp: 65160
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 60.6 47.9 71.9

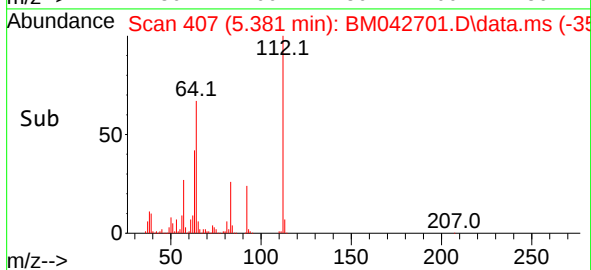
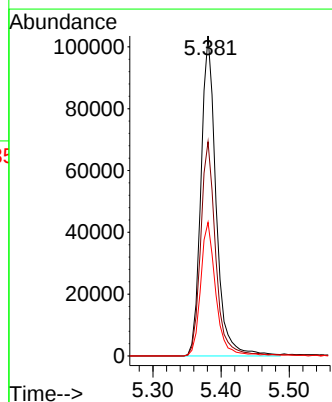
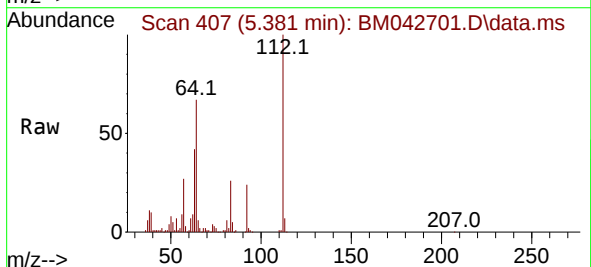
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#5
2-Fluorophenol
Concen: 39.715 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Tgt Ion:112 Resp: 160364
Ion Ratio Lower Upper
112 100
64 66.9 52.1 78.1
63 41.8 28.3 42.5





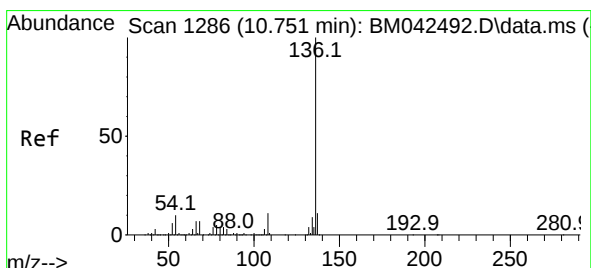
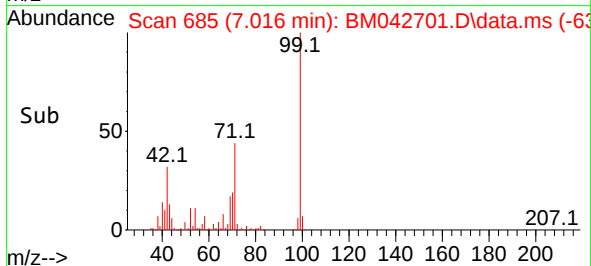
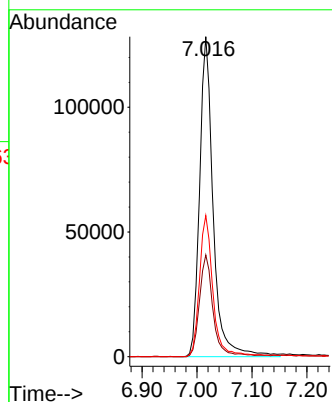
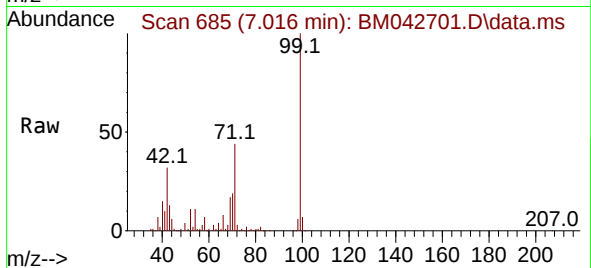
#7
Phenol-d6
Concen: 39.838 ng
RT: 7.016 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Instrument :
BNA_M
ClientSampleId :
WC-6DL

Tgt Ion: 99 Resp: 220615
Ion Ratio Lower Upper
99 100
42 31.8 18.7 28.1
71 44.1 29.1 43.7

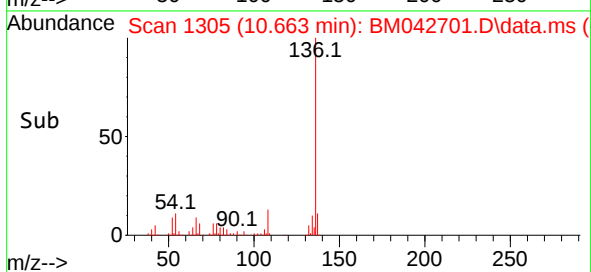
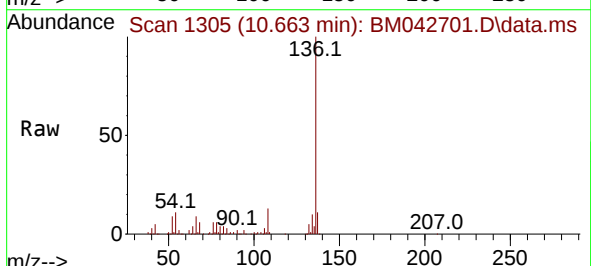
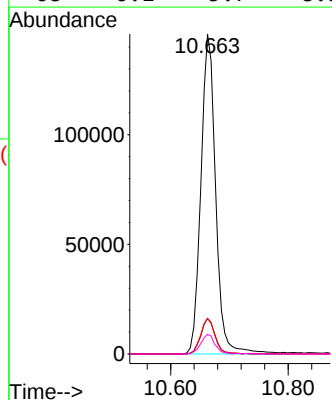
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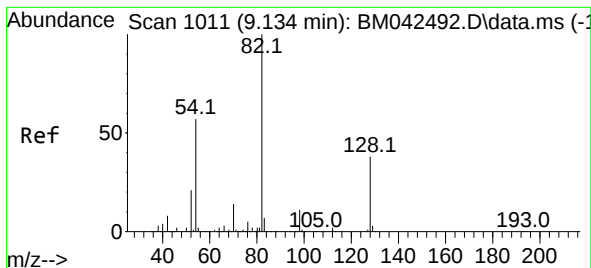
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Tgt Ion:136 Resp: 254407
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 11.1 8.0 12.0
68 6.1 5.7 8.5





#23

Nitrobenzene-d5

Concen: 29.647 ng

RT: 9.051 min Scan# 1011

Delta R.T. -0.000 min

Lab File: BM042701.D

Acq: 10 Nov 2023 20:58

Instrument :

BNA_M

ClientSampleId :

WC-6DL

Tgt Ion: 82 Resp: 16179

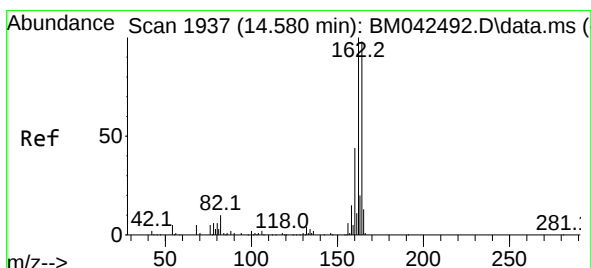
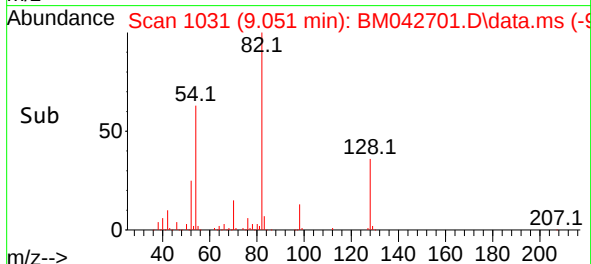
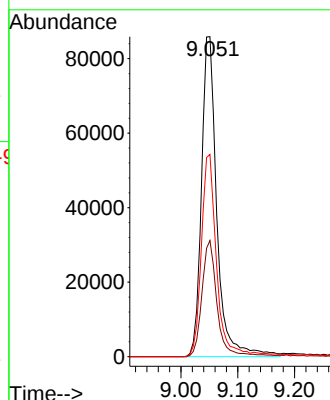
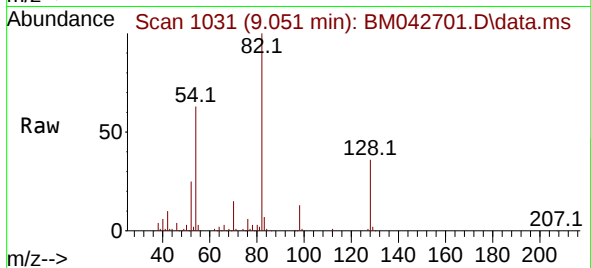
Ion	Ratio	Lower	Upper
82	100		
128	36.3	30.7	46.1
54	63.2	45.3	67.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.504 min Scan# 1958

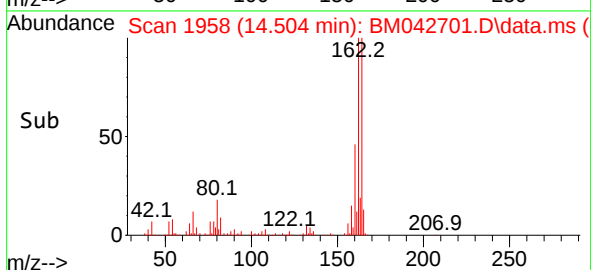
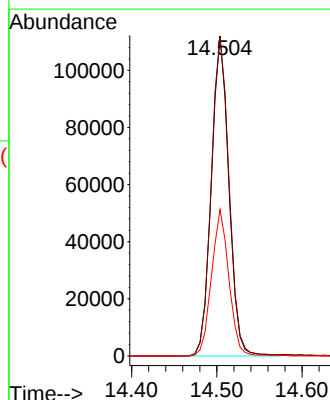
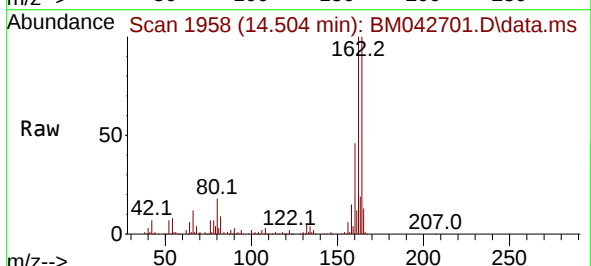
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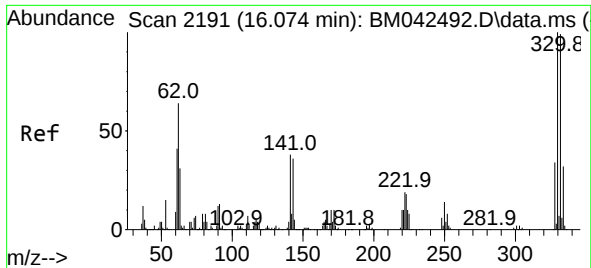
Lab File: BM042701.D

Acq: 10 Nov 2023 20:58

Tgt Ion:164 Resp: 159666

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.6	122.4
160	45.8	36.2	54.4





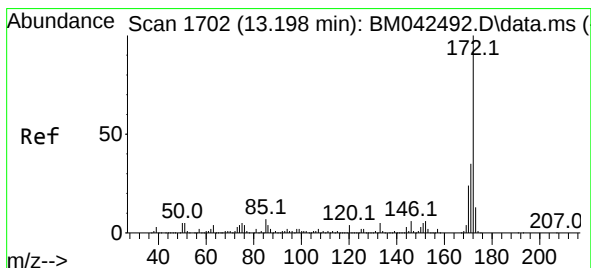
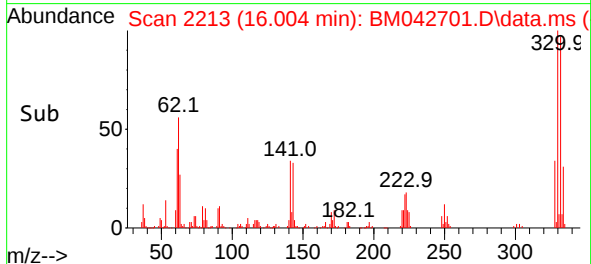
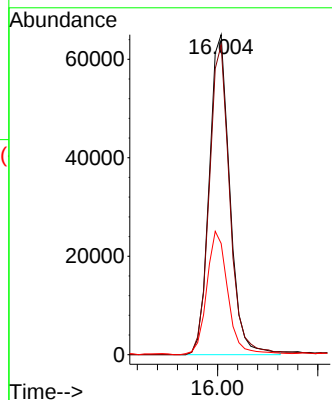
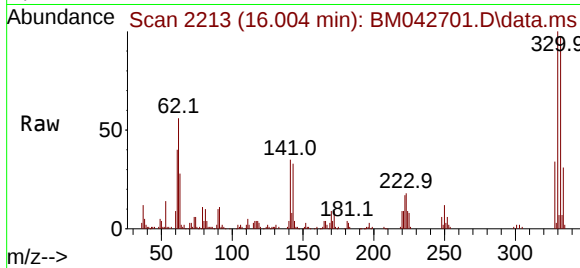
#42
2,4,6-Tribromophenol
Concen: 44.468 ng
RT: 16.004 min Scan# 2191
Delta R.T. 0.006 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Instrument :
BNA_M
ClientSampleId :
WC-6DL

Tgt Ion:330 Resp: 92690
Ion Ratio Lower Upper
330 100
332 97.3 78.8 118.2
141 39.8 31.1 46.7

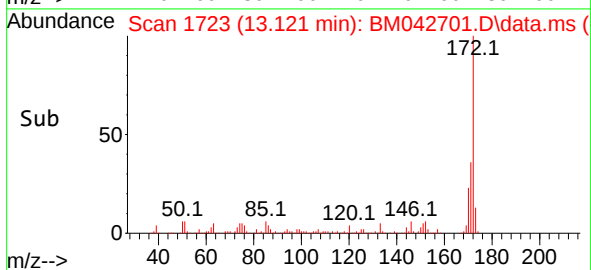
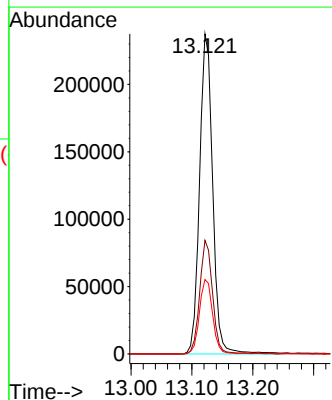
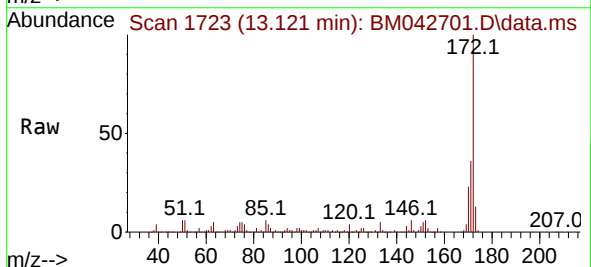
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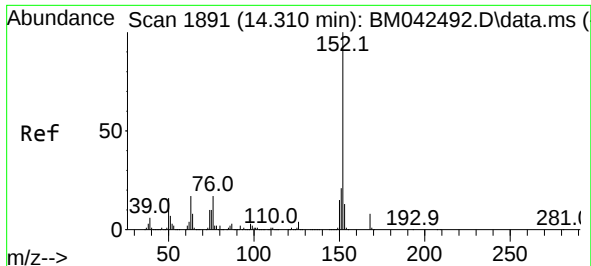
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#45
2-Fluorobiphenyl
Concen: 29.868 ng
RT: 13.121 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Tgt Ion:172 Resp: 354411
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.2 19.0 28.4





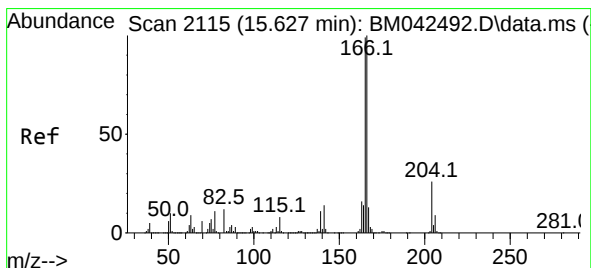
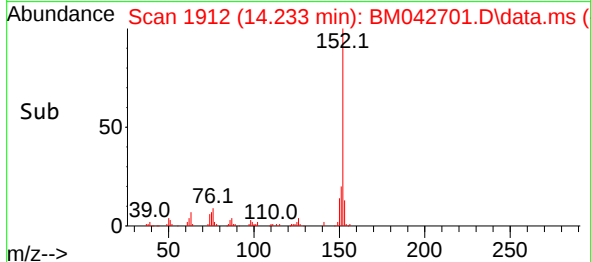
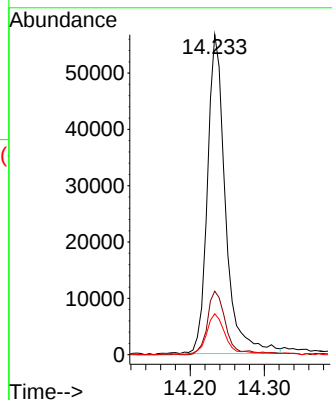
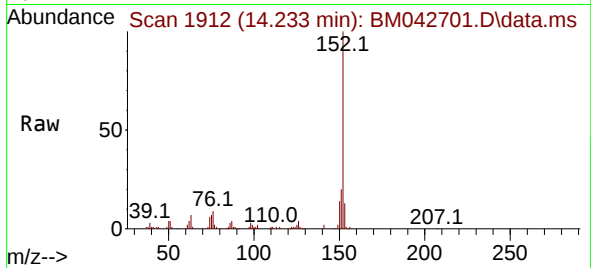
#49
Acenaphthylene
Concen: 6.458 ng
RT: 14.233 min Scan# 1912
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Instrument :
BNA_M
ClientSampleId :
WC-6DL

Tgt Ion:152 Resp: 9577
Ion Ratio Lower Upper
152 100
151 19.8 16.4 24.6
153 12.8 10.4 15.6

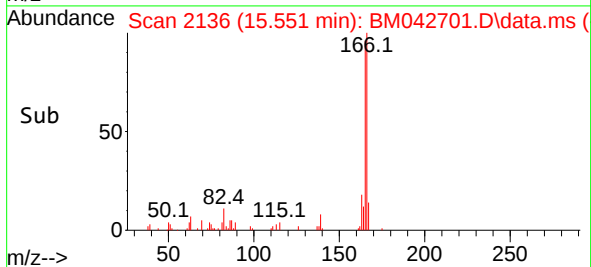
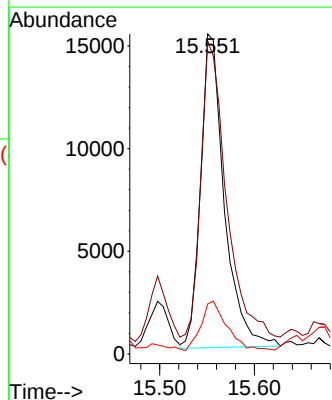
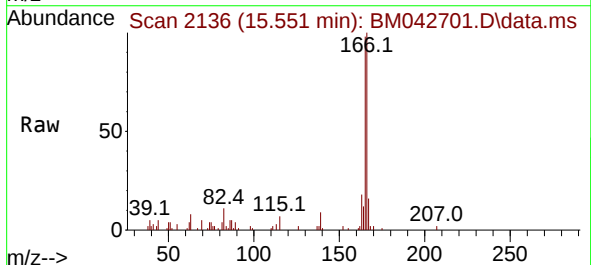
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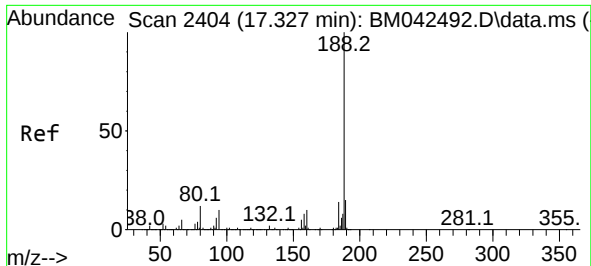
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#58
Fluorene
Concen: 2.248 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

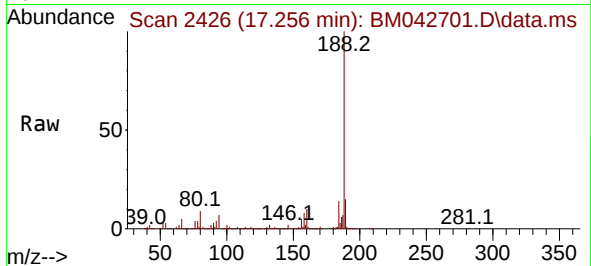
Tgt Ion:166 Resp: 26610
Ion Ratio Lower Upper
166 100
165 97.7 79.3 118.9
167 15.6 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.256 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

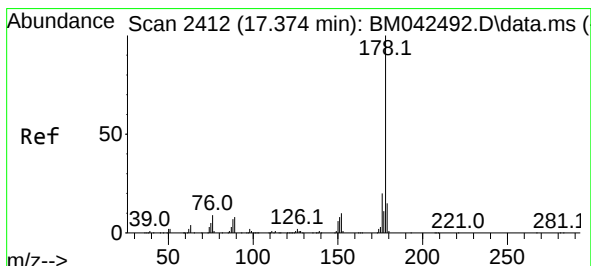
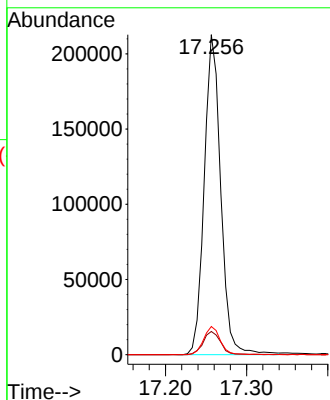
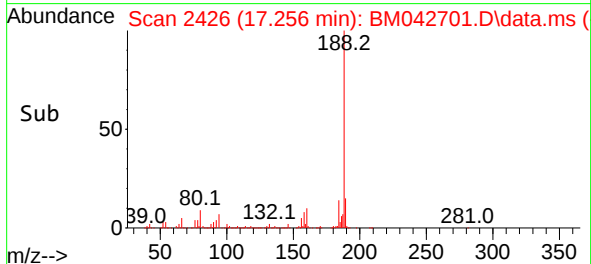
Instrument :
BNA_M
ClientSampleId :
WC-6DL



Tgt Ion:188 Resp: 299983
Ion Ratio Lower Upper
188 100
94 7.3 8.2 12.4
80 8.8 9.4 14.2

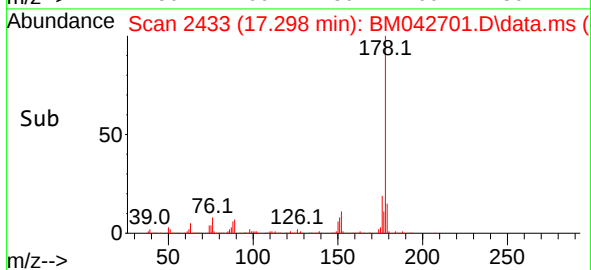
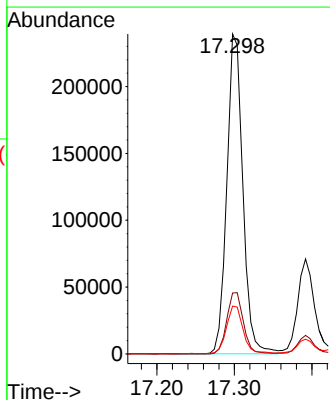
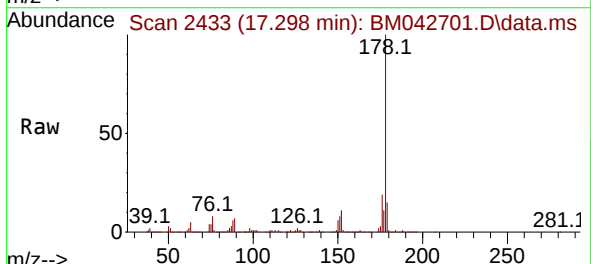
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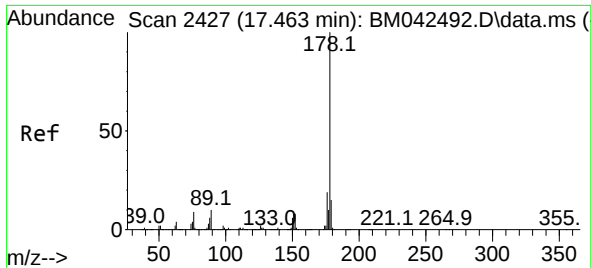
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#71
Phenanthrene
Concen: 21.928 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

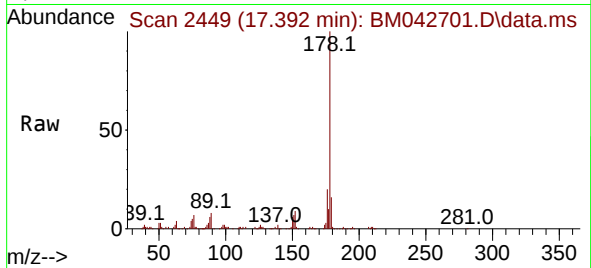
Tgt Ion:178 Resp: 343755
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 14.9 12.2 18.4





#72
 Anthracene
 Concen: 6.717 ng
 RT: 17.392 min Scan# 2427
 Delta R.T. -0.000 min
 Lab File: BM042701.D
 Acq: 10 Nov 2023 20:58

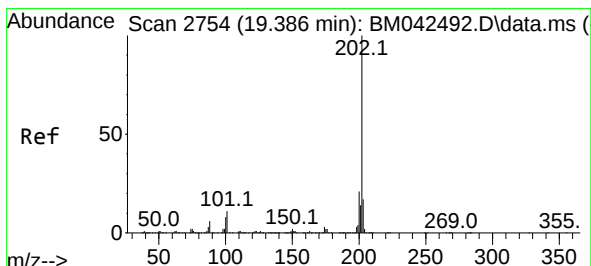
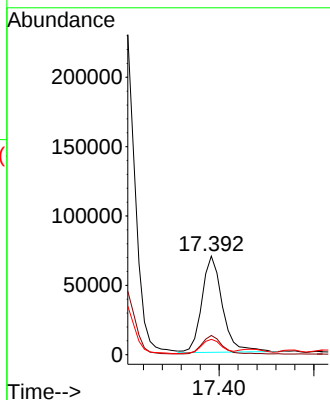
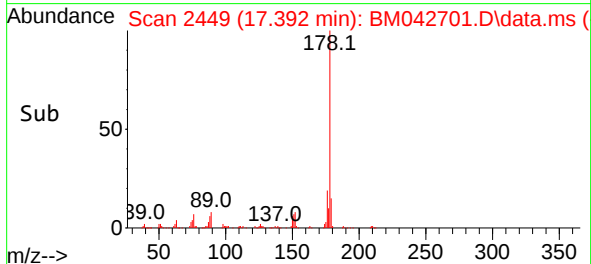
Instrument :
 BNA_M
 ClientSampleId :
 WC-6DL



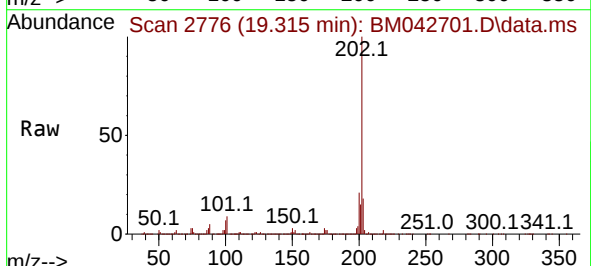
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 Ion Ratio Lower Upper
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 176 19.5 15.2 22.8
 179 15.6 12.3 18.5

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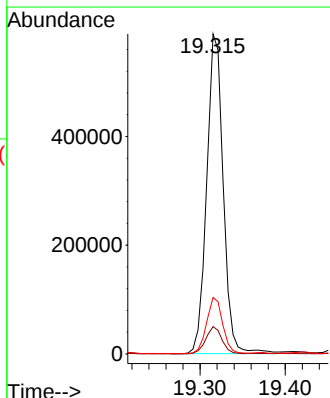
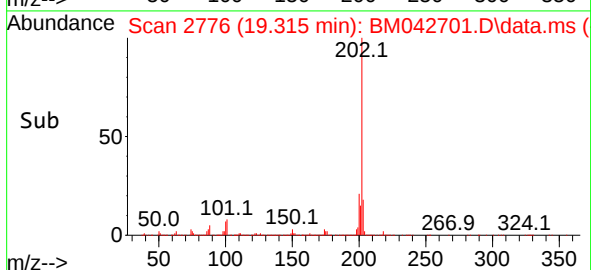
Reviewed By :Yogesh Patel 11/14/2023
 Supervised By :mohammad ahmed 11/16/2023

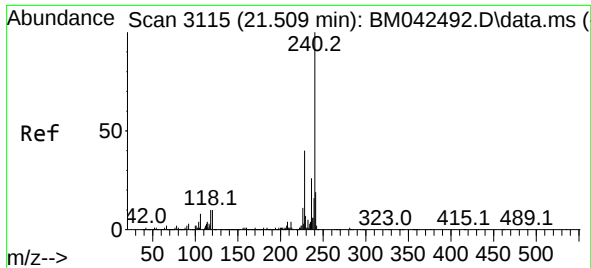


#75
 Fluoranthene
 Concen: 43.084 ng
 RT: 19.315 min Scan# 2776
 Delta R.T. -0.000 min
 Lab File: BM042701.D
 Acq: 10 Nov 2023 20:58



Tgt Ion:202 Resp: 793398
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 30.5
 203 17.7 0.0 37.0





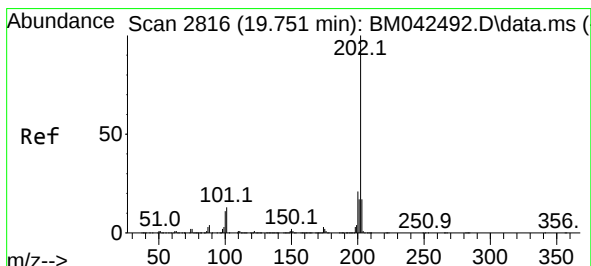
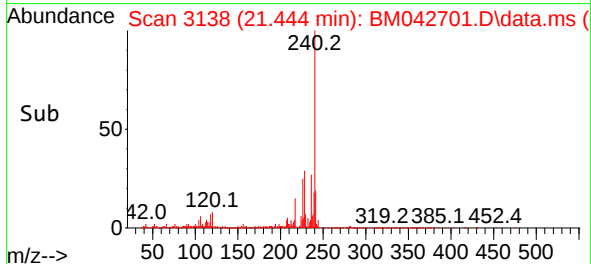
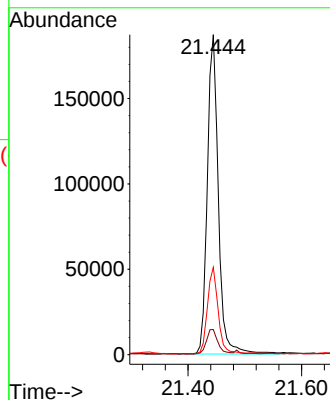
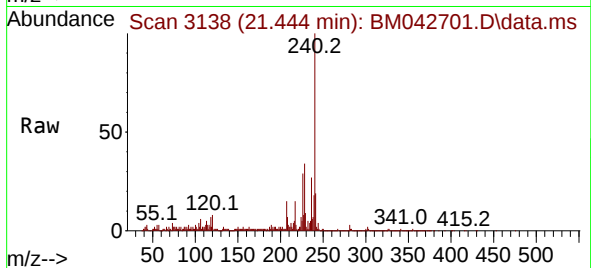
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Instrument :
BNA_M
ClientSampleId :
WC-6DL

Tgt Ion:240 Resp: 251204
Ion Ratio Lower Upper
240 100
120 7.9 8.3 12.5
236 27.3 20.8 31.2

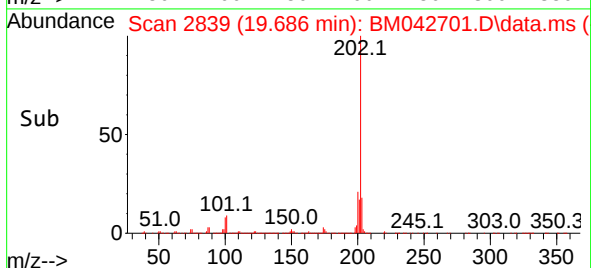
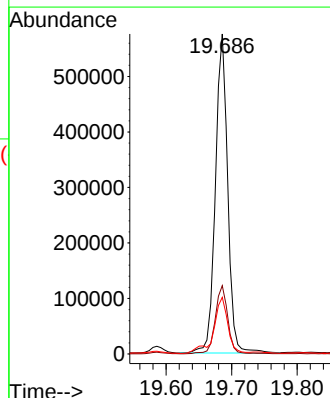
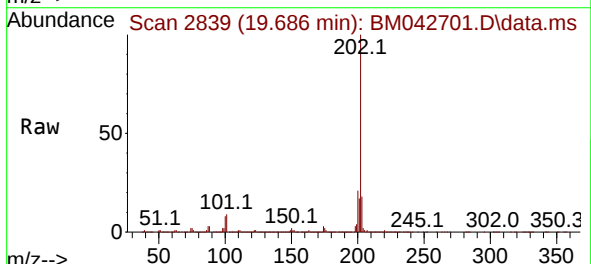
Manual Integrations
APPROVED

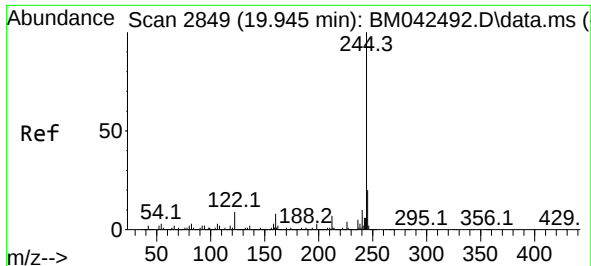
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#78
Pyrene
Concen: 43.453 ng
RT: 19.686 min Scan# 2839
Delta R.T. 0.006 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

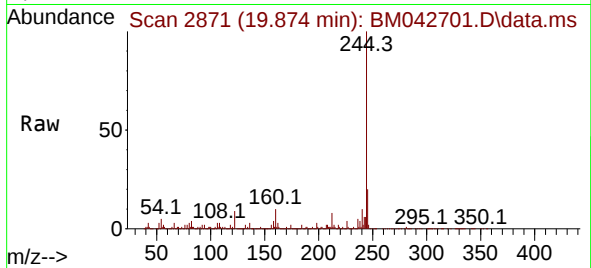
Tgt Ion:202 Resp: 749529
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 17.7 13.7 20.5





#79
Terphenyl-d14
Concen: 25.440 ng
RT: 19.874 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

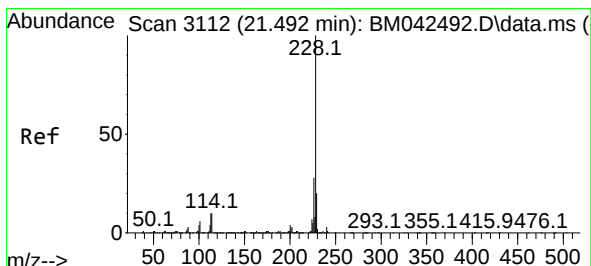
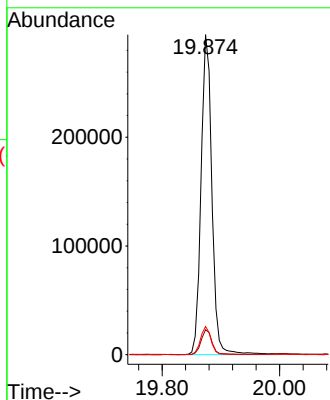
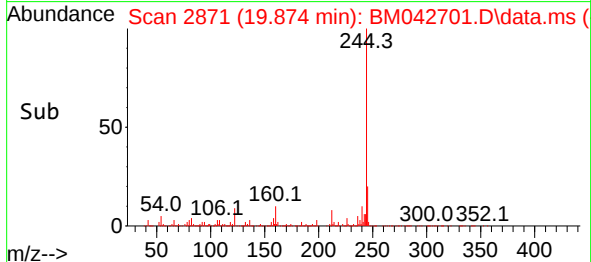
Instrument :
BNA_M
ClientSampleId :
WC-6DL



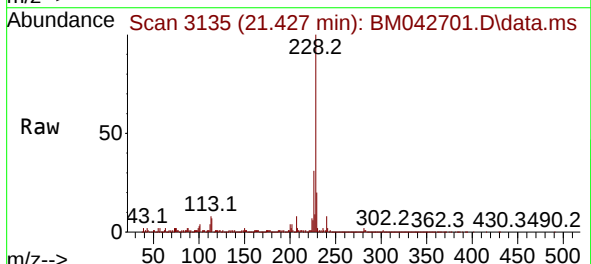
Tgt Ion:244 Resp: 37688
Ion Ratio Lower Upper
244 100
212 7.8 5.4 8.2
122 8.8 7.2 10.8

Manual Integrations
APPROVED

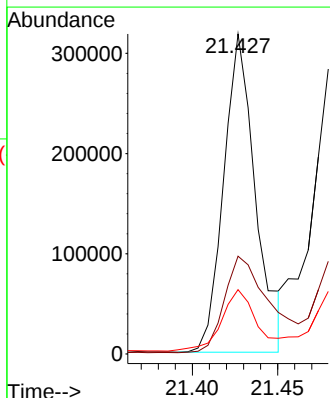
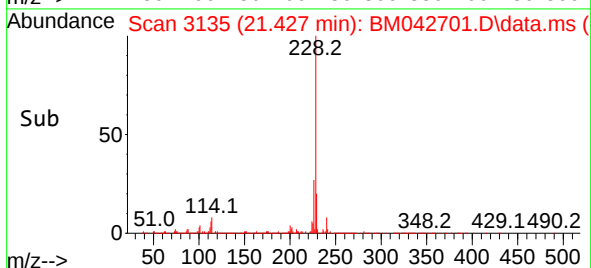
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

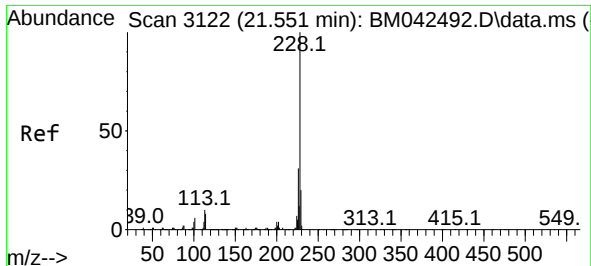


#81
Benzo(a)anthracene
Concen: 25.864 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58



Tgt Ion:228 Resp: 413378
Ion Ratio Lower Upper
228 100
226 30.6 22.3 33.5
229 20.1 15.8 23.8





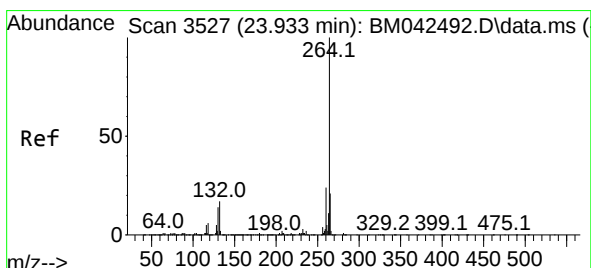
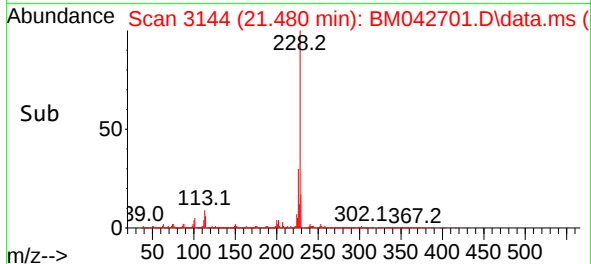
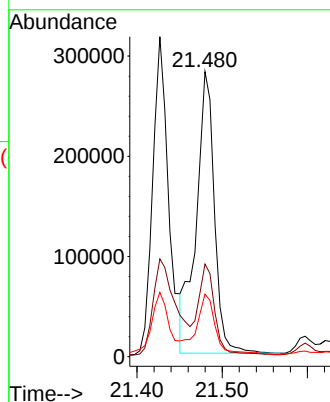
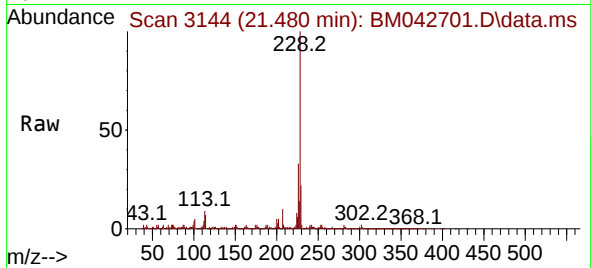
#83
Chrysene
Concen: 25.808 ng
RT: 21.480 min Scan# 3122
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Instrument :
BNA_M
ClientSampleId :
WC-6DL

Tgt Ion:228 Resp: 419009
Ion Ratio Lower Upper
228 100
226 32.5 24.4 36.6
229 22.0 15.7 23.5

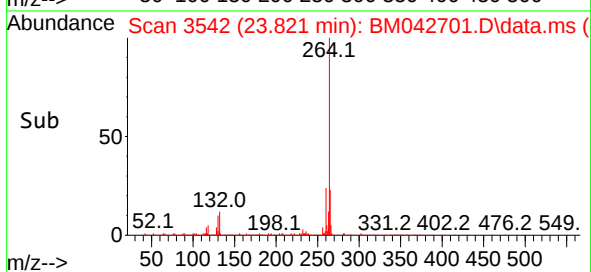
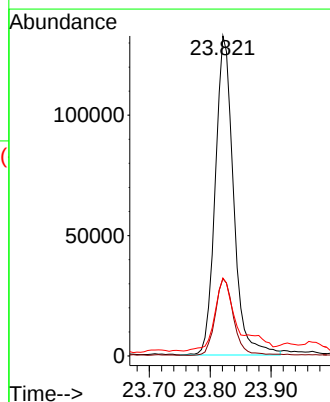
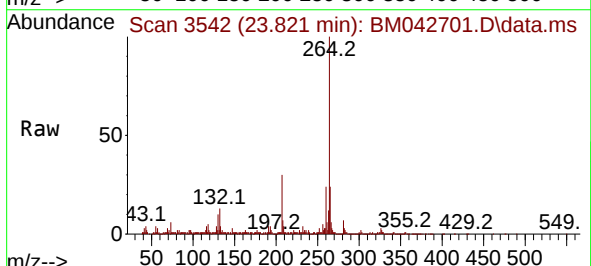
Manual Integrations
APPROVED

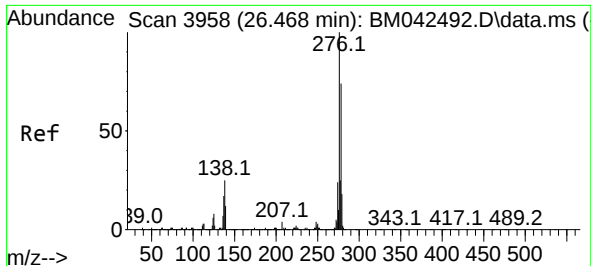
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.821 min Scan# 3542
Delta R.T. 0.006 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Tgt Ion:264 Resp: 276622
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.4
265 24.4 18.7 28.1





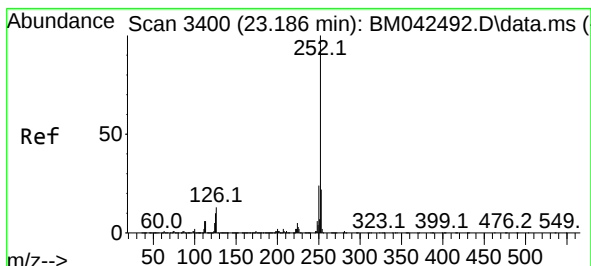
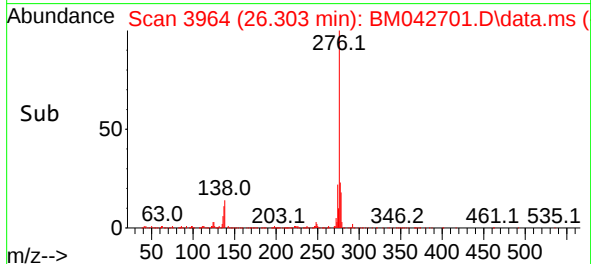
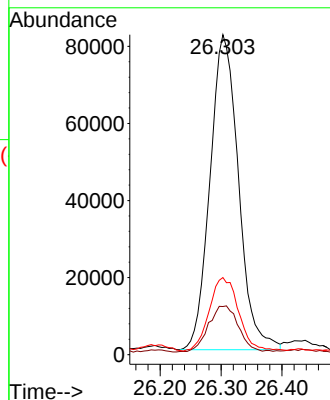
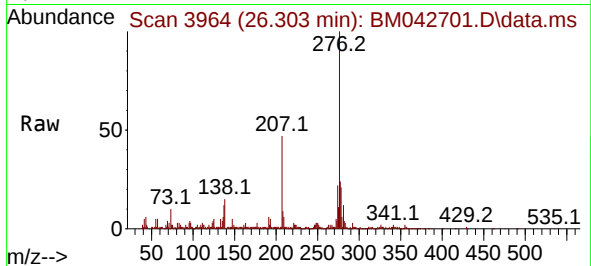
#87
Indeno(1,2,3-cd)pyrene
Concen: 16.151 ng
RT: 26.303 min Scan# 3958
Delta R.T. -0.000 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Instrument :
BNA_M
ClientSampleId :
WC-6DL

Tgt Ion: 276 Resp: 265910
Ion Ratio Lower Upper
276 100
138 15.4 20.6 31.0
277 24.0 19.5 29.3

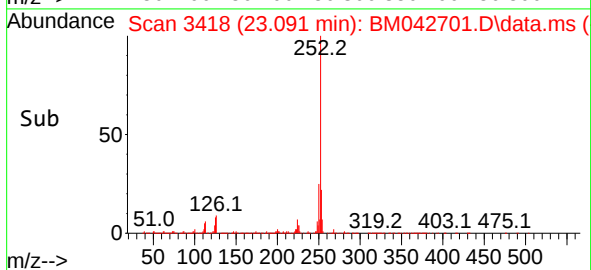
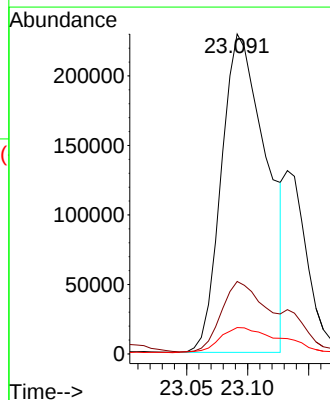
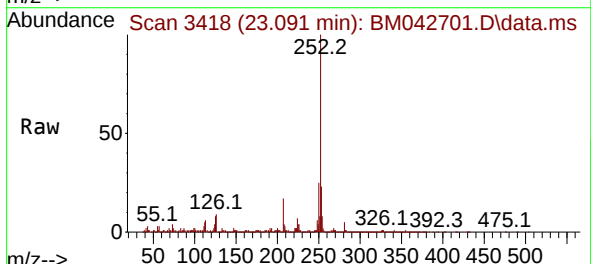
Manual Integrations
APPROVED

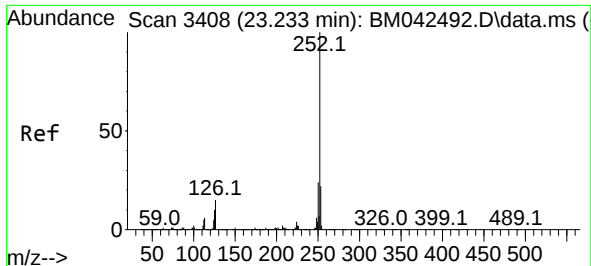
Reviewed By : Yogesh Patel 11/14/2023
Supervised By : mohammad ahmed 11/16/2023



#88
Benzo(b)fluoranthene
Concen: 38.127 ng m
RT: 23.091 min Scan# 3418
Delta R.T. 0.006 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Tgt Ion: 252 Resp: 587576
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 8.2 7.8 11.6





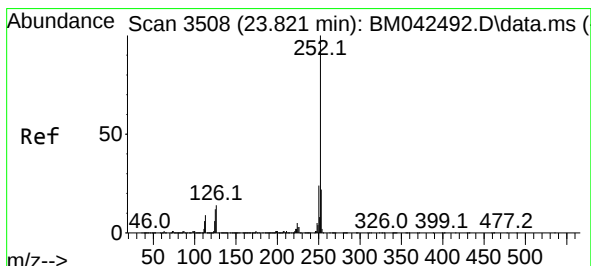
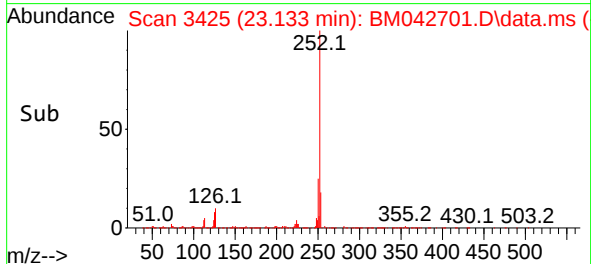
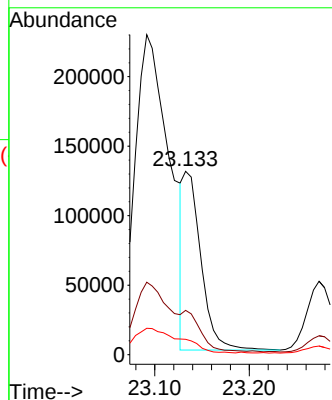
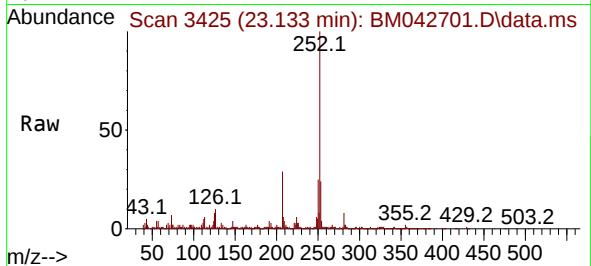
#89
Benzo(k)fluoranthene
Concen: 9.694 ng m
RT: 23.133 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Instrument :
BNA_M
ClientSampleId :
WC-6DL

Tgt Ion:252 Resp: 166470
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 8.4 8.2 12.4

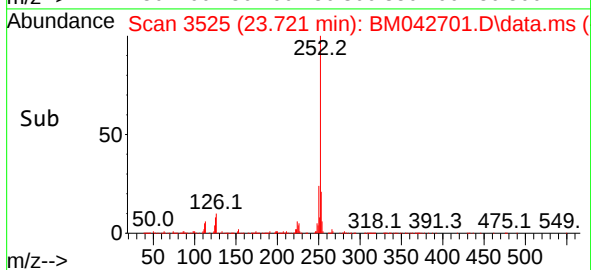
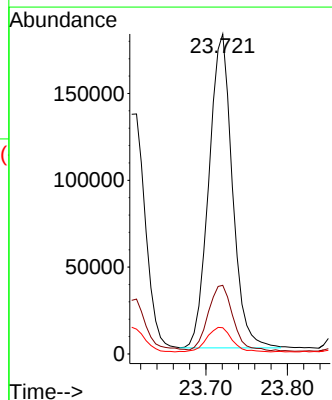
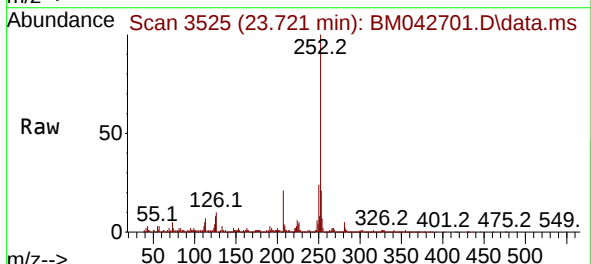
Manual Integrations
APPROVED

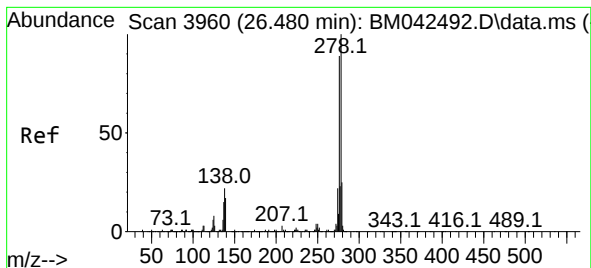
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#90
Benzo(a)pyrene
Concen: 23.916 ng m
RT: 23.721 min Scan# 3525
Delta R.T. 0.006 min
Lab File: BM042701.D
Acq: 10 Nov 2023 20:58

Tgt Ion:252 Resp: 362876
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 8.2 9.4 14.2#





#91

Dibenzo(a,h)anthracene

Concen: 8.577 ng

RT: 26.315 min Scan# 3966

Delta R.T. -0.000 min

Lab File: BM042701.D

Acq: 10 Nov 2023 20:58

Instrument :

BNA_M

ClientSampleId :

WC-6DL

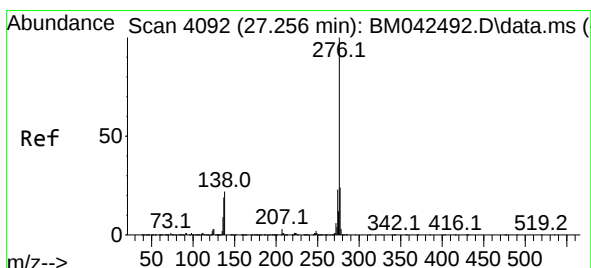
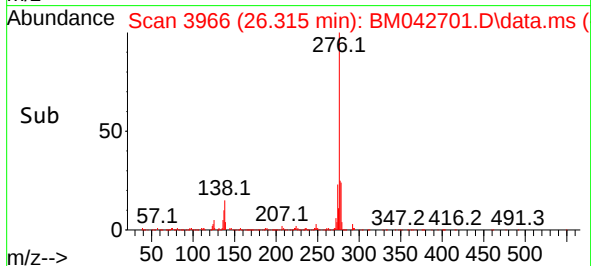
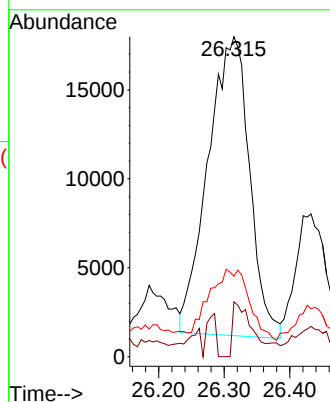
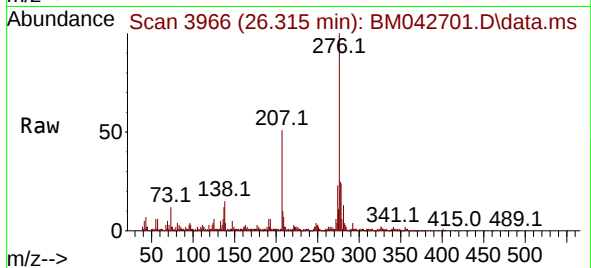
Tgt Ion:	278	Resp:	73830
Ion Ratio	Lower	Upper	
278	100		
139	17.1	13.4	20.2
279	25.1	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/16/2023



#92

Benzo(g,h,i)perylene

Concen: 17.355 ng

RT: 27.085 min Scan# 4097

Delta R.T. 0.006 min

Lab File: BM042701.D

Acq: 10 Nov 2023 20:58

Tgt Ion:	276	Resp:	251829
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.2	28.8
138	15.7	17.3	25.9

