

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042697.D
 Acq On : 10 Nov 2023 18:34
 Operator : MA/JU
 Sample : 05291-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 QUEEN-PLAZA

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 23:04:15 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	54885	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	219245	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	149094	20.000	ng	0.00
64) Phenanthrene-d10	17.256	188	320914	20.000	ng	# 0.00
76) Chrysene-d12	21.444	240	256225	20.000	ng	# 0.00
86) Perylene-d12	23.821	264	285332	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	55988	16.463	ng	0.00
7) Phenol-d6	7.016	99	67113	14.389	ng	0.00
23) Nitrobenzene-d5	9.051	82	51654	10.983	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	34295	17.618	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	125954	11.368	ng	0.00
79) Terphenyl-d14	19.874	244	187213	12.389	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.233	152	63804	4.608	ng	98
71) Phenanthrene	17.298	178	114433	6.823	ng	99
72) Anthracene	17.392	178	57779	3.478	ng	98
75) Fluoranthene	19.315	202	306138	15.540	ng	97
78) Pyrene	19.686	202	430974	24.495	ng	98
81) Benzo(a)anthracene	21.427	228	225223	13.815	ng	95
83) Chrysene	21.480	228	213864	12.915	ng	95
87) Indeno(1,2,3-cd)pyrene	26.303	276	156719	9.228	ng	# 89
88) Benzo(b)fluoranthene	23.091	252	338813m	21.314	ng	
89) Benzo(k)fluoranthene	23.132	252	122683m	6.926	ng	
90) Benzo(a)pyrene	23.715	252	238197m	15.220	ng	
91) Dibenzo(a,h)anthracene	26.309	278	45996	6.819	ng	# 75
92) Benzo(g,h,i)perylene	27.073	276	167340	11.180	ng	# 95

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

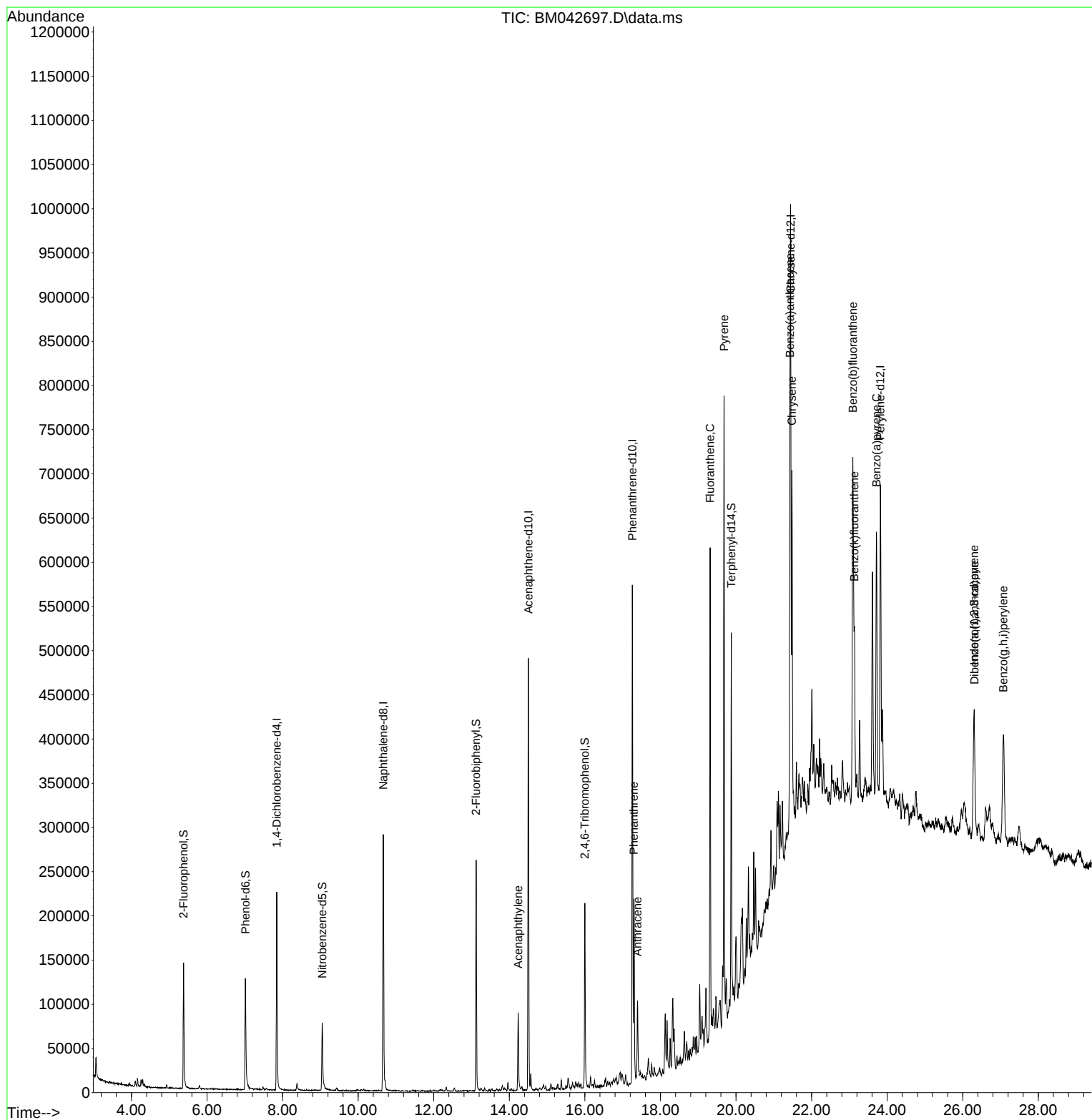
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042697.D
Acq On : 10 Nov 2023 18:34
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ALS Vial : 14 Sample Multiplier: 1

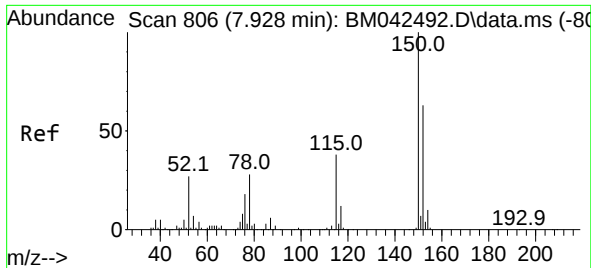
Instrument :
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Quant Time: Nov 10 23:04:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
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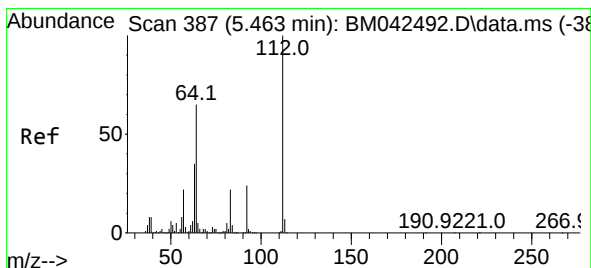
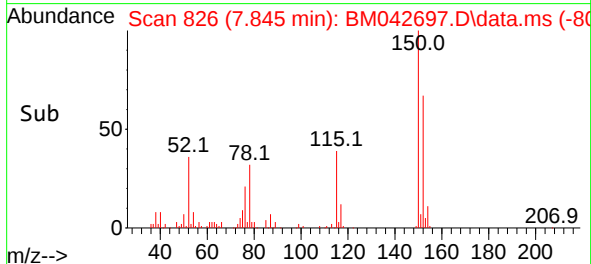
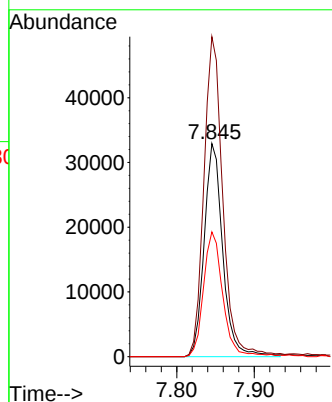
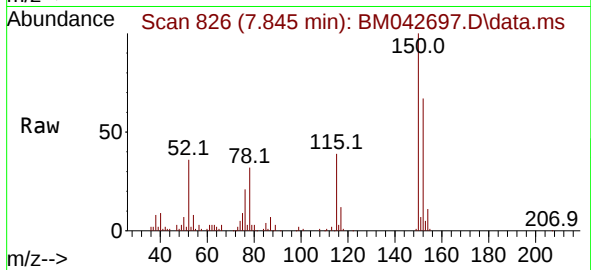
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Instrument :
BNA_M
ClientSampleId :
QUEEN-PLAZA

Tgt Ion:152 Resp: 5488
Ion Ratio Lower Upper
152 100
150 150.2 127.4 191.0
115 58.6 47.9 71.9

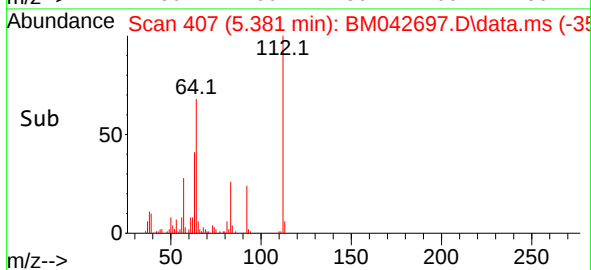
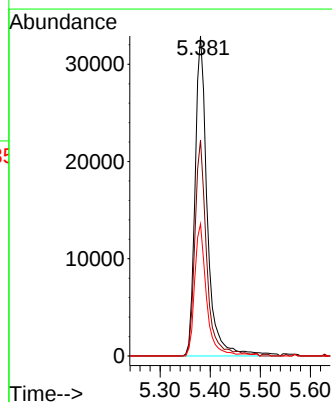
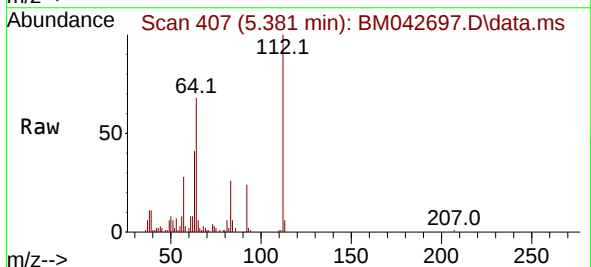
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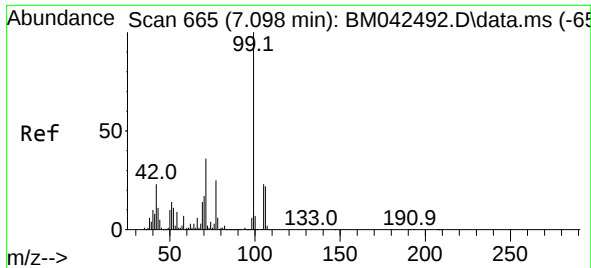
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#5
2-Fluorophenol
Concen: 16.463 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

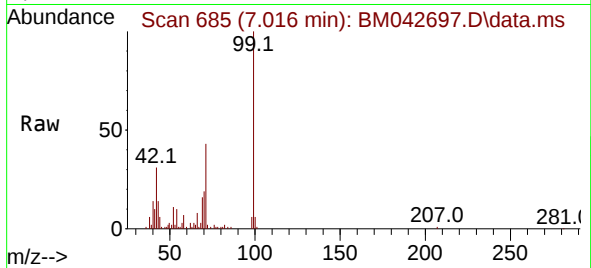
Tgt Ion:112 Resp: 55988
Ion Ratio Lower Upper
112 100
64 67.5 52.1 78.1
63 41.2 28.3 42.5





#7
Phenol-d6
Concen: 14.389 ng
RT: 7.016 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

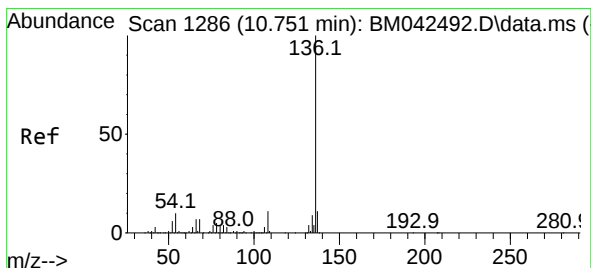
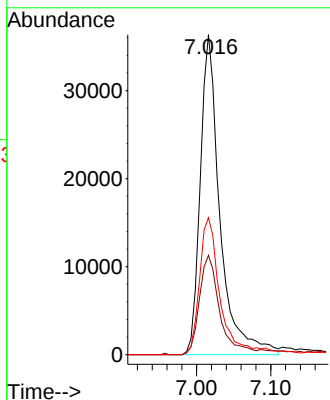
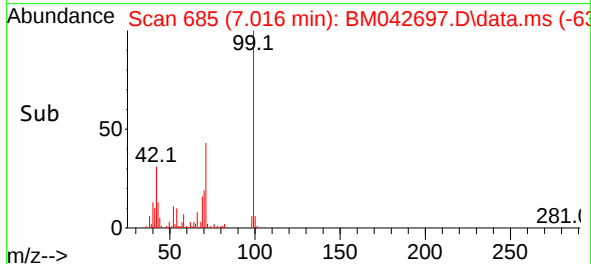
Instrument :
BNA_M
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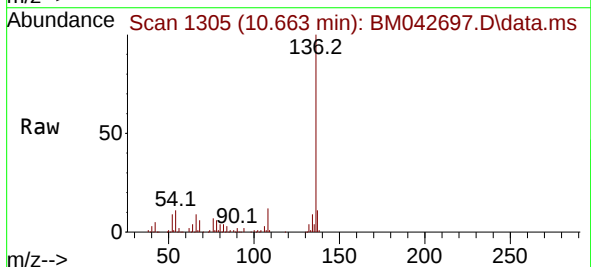
Tgt Ion: 99 Resp: 6711
Ion Ratio Lower Upper
99 100
42 31.0 18.7 28.1
71 42.8 29.1 43.7

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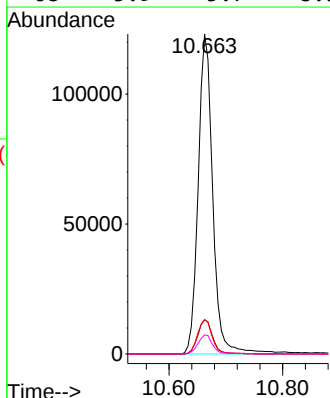
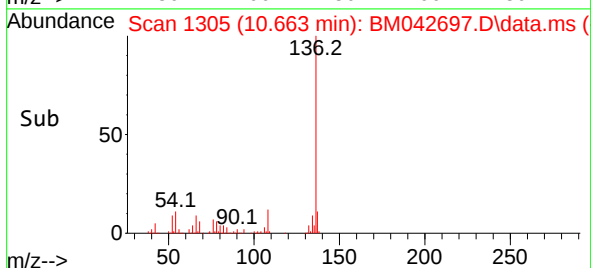
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

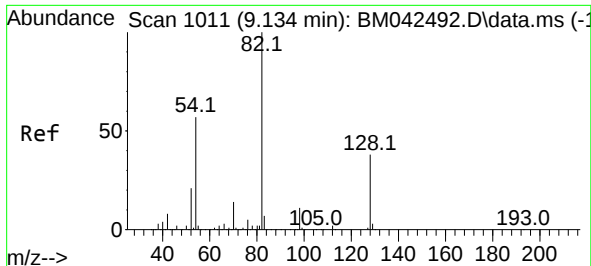


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34



Tgt Ion:136 Resp: 219245
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 10.8 8.0 12.0
68 5.9 5.7 8.5





#23

Nitrobenzene-d5

Concen: 10.983 ng

RT: 9.051 min Scan# 1011

Delta R.T. -0.000 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Instrument :

BNA_M

ClientSampleId :

QUEEN-PLAZA

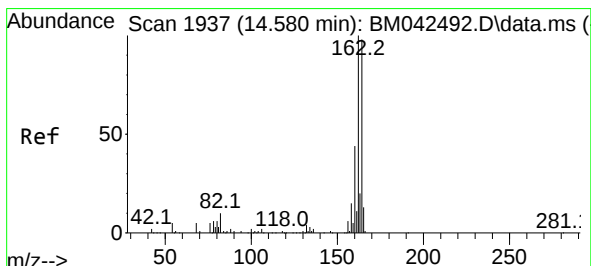
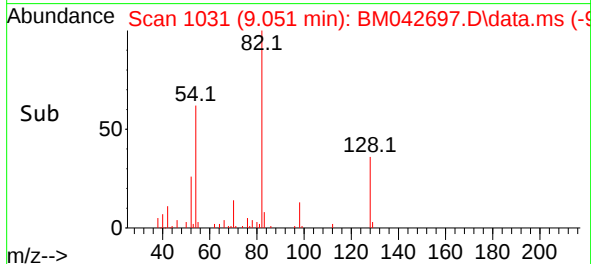
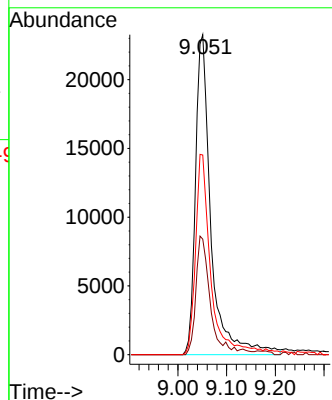
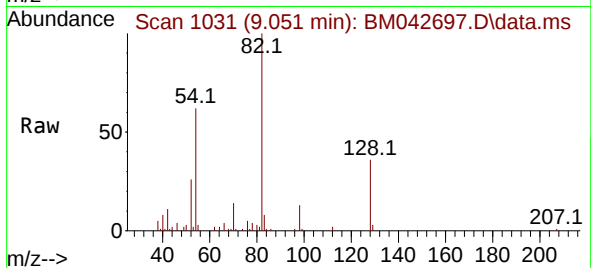
Tgt Ion:	82	Resp:	51654
Ion Ratio	Lower	Upper	
82	100		
128	36.1	30.7	46.1
54	62.4	45.3	67.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

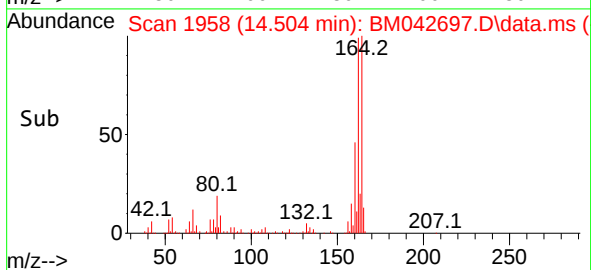
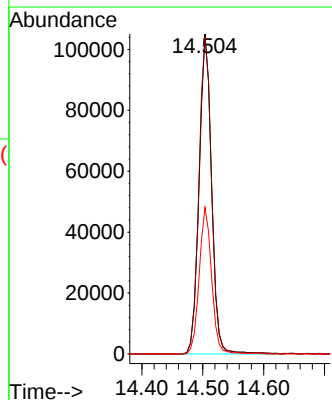
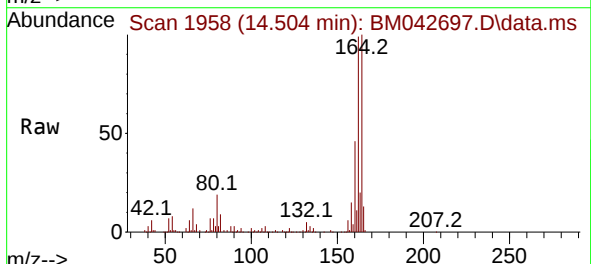
RT: 14.504 min Scan# 1958

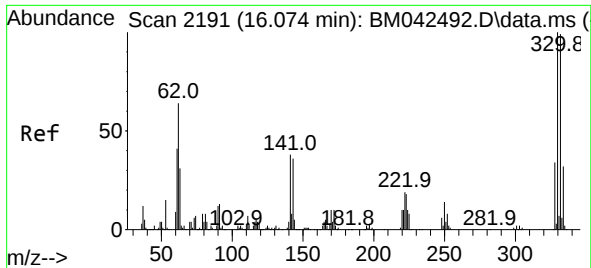
Delta R.T. -0.000 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Tgt Ion:	164	Resp:	149094
Ion Ratio	Lower	Upper	
164	100		
162	99.3	81.6	122.4
160	45.8	36.2	54.4





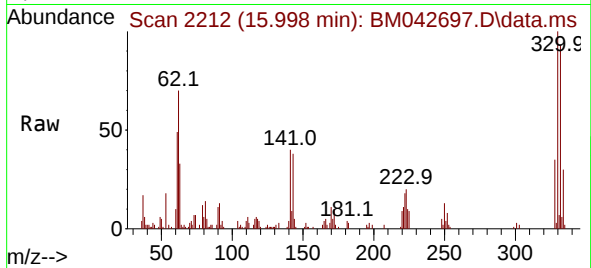
#42
2,4,6-Tribromophenol
Concen: 17.618 ng
RT: 15.998 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Instrument :

BNA_M

ClientSampleId :

QUEEN-PLAZA



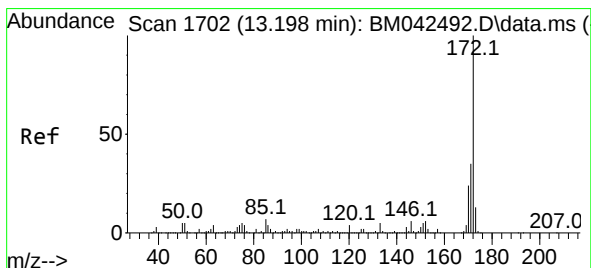
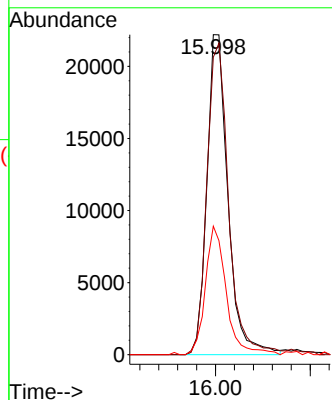
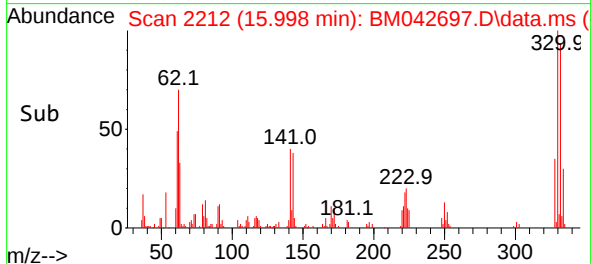
Tgt Ion:330 Resp: 3429
Ion Ratio Lower Upper
330 100
332 100.3 78.8 118.2
141 39.8 31.1 46.7

Manual Integrations

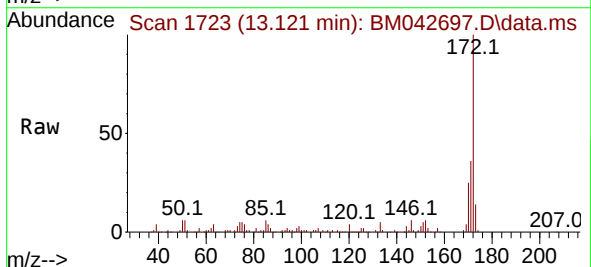
APPROVED

Reviewed By :Yogesh Patel 11/14/2023

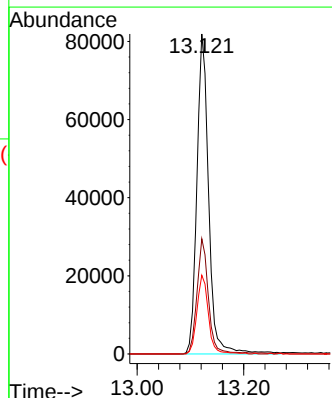
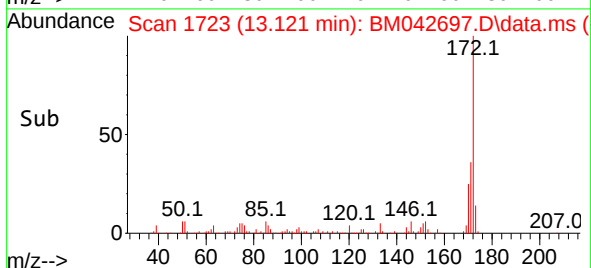
Supervised By :mohammad ahmed 11/16/2023

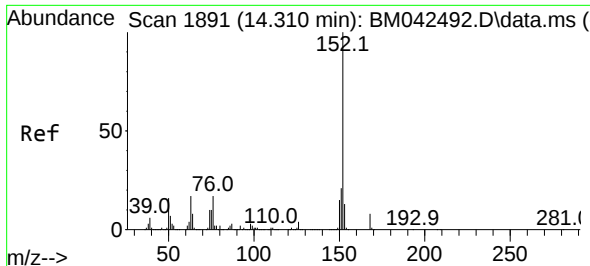


#45
2-Fluorobiphenyl
Concen: 11.368 ng
RT: 13.121 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34



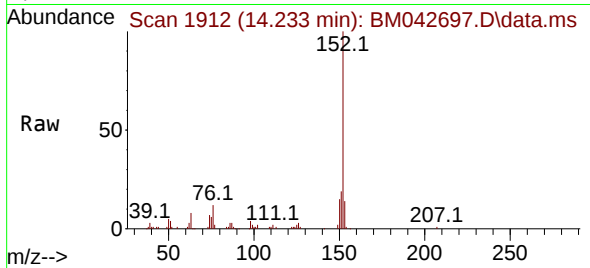
Tgt Ion:172 Resp: 125954
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.2
170 24.6 19.0 28.4





#49
Acenaphthylene
Concen: 4.608 ng
RT: 14.233 min Scan# 1912
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

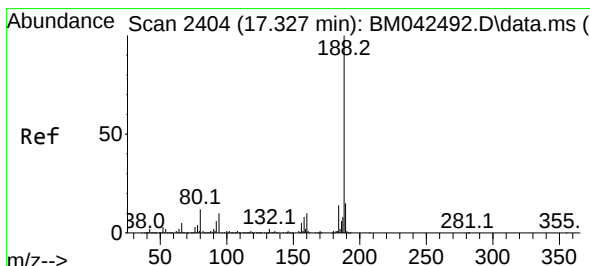
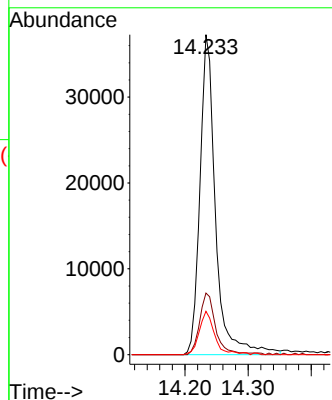
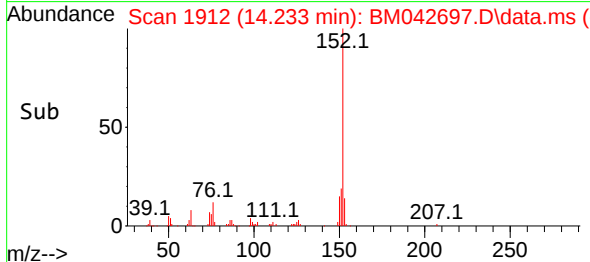
Instrument :
BNA_M
ClientSampleId :
QUEEN-PLAZA



Tgt Ion:152 Resp: 63804
Ion Ratio Lower Upper
152 100
151 19.2 16.4 24.6
153 13.5 10.4 15.6

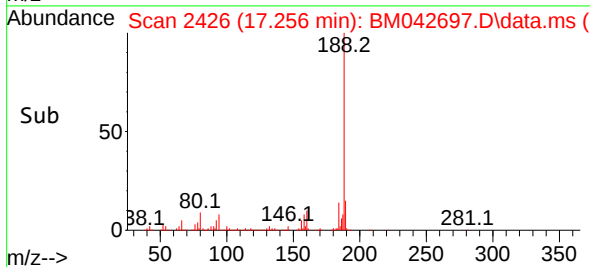
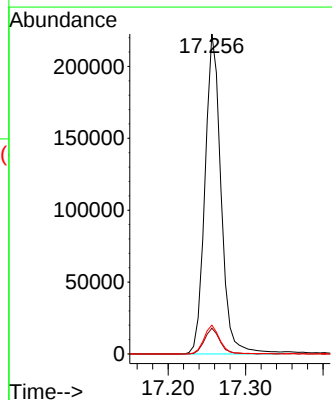
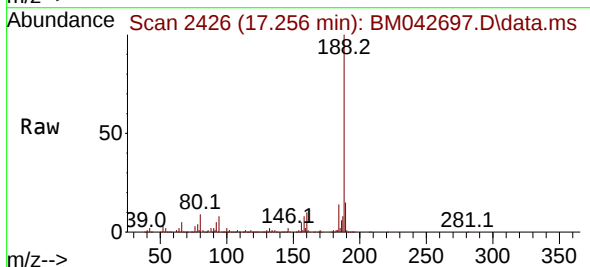
Manual Integrations
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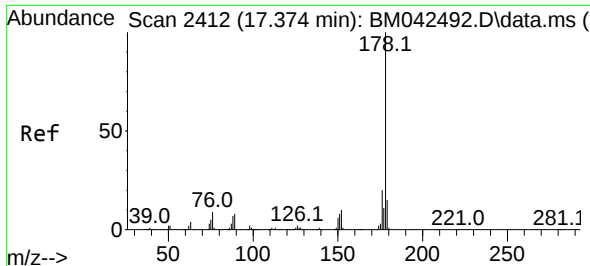
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.256 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Tgt Ion:188 Resp: 320914
Ion Ratio Lower Upper
188 100
94 8.1 8.2 12.4#
80 9.0 9.4 14.2#





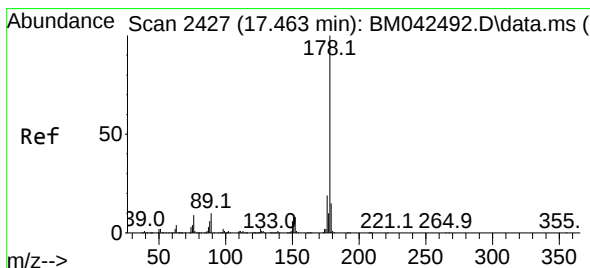
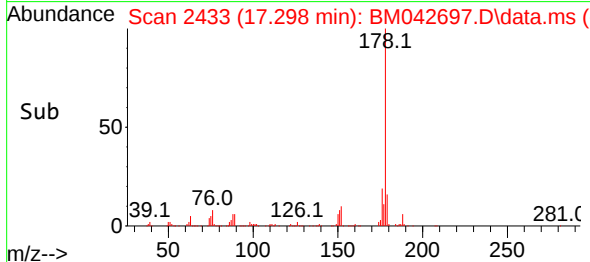
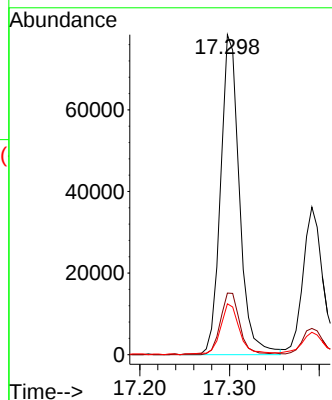
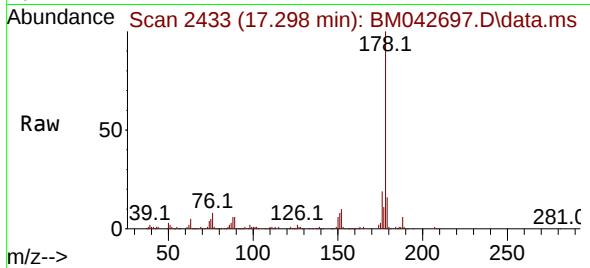
#71
Phenanthrene
Concen: 6.823 ng
RT: 17.298 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Instrument :
BNA_M
ClientSampleId :
QUEEN-PLAZA

Tgt Ion:178 Resp: 11443
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.9 12.2 18.4

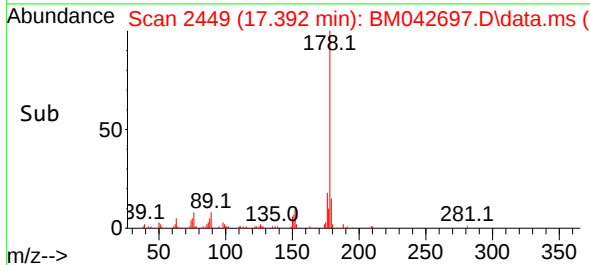
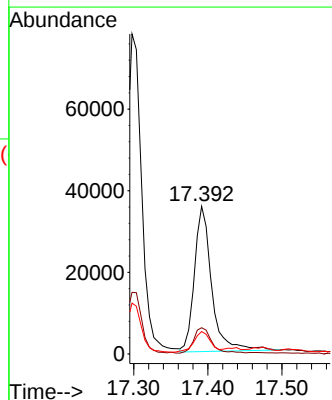
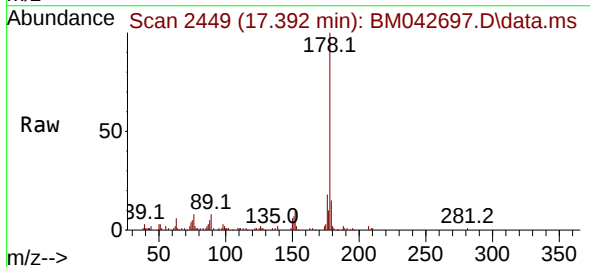
Manual Integrations
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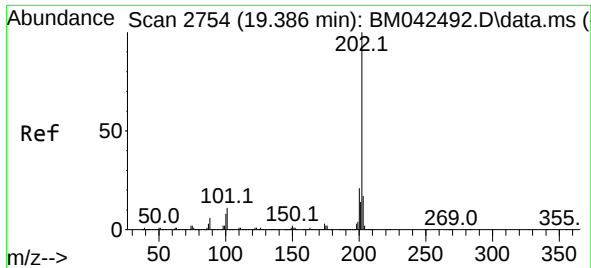
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#72
Anthracene
Concen: 3.478 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

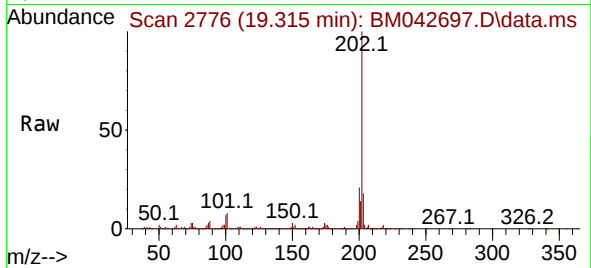
Tgt Ion:178 Resp: 57779
Ion Ratio Lower Upper
178 100
176 17.8 15.2 22.8
179 15.1 12.3 18.5





#75
Fluoranthene
Concen: 15.540 ng
RT: 19.315 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

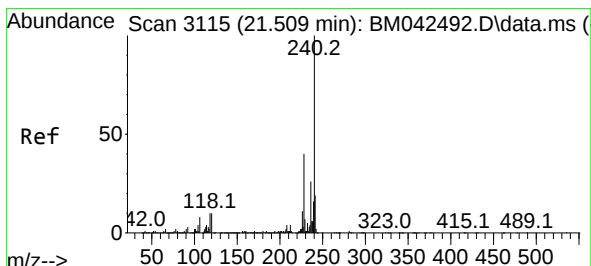
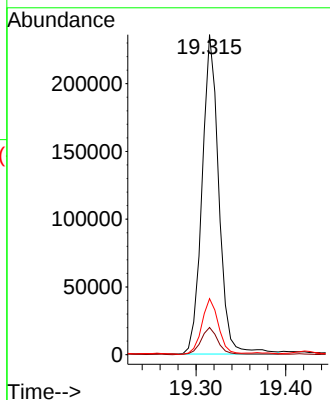
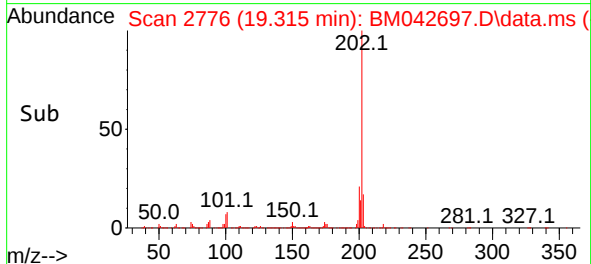
Instrument :
BNA_M
ClientSampleId :
QUEEN-PLAZA



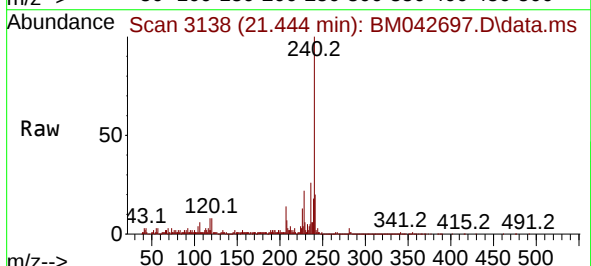
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Ion Ratio Lower Upper
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101 8.5 0.0 30.5
203 17.5 0.0 37.0

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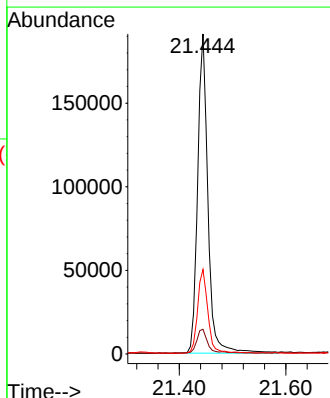
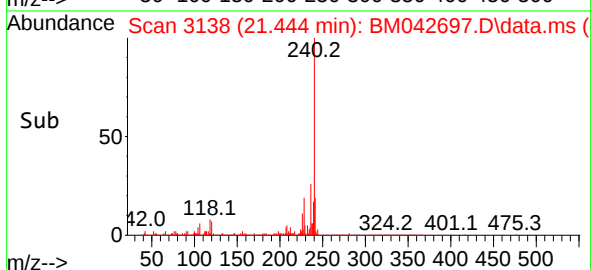
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

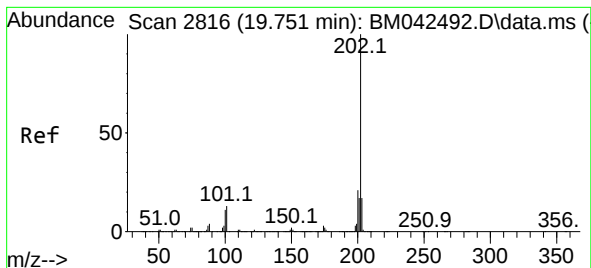


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34



Tgt Ion:240 Resp: 256225
Ion Ratio Lower Upper
240 100
120 7.7 8.3 12.5#
236 26.4 20.8 31.2





#78

Pyrene

Concen: 24.495 ng

RT: 19.686 min Scan# 2816

Delta R.T. 0.006 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Instrument :

BNA_M

ClientSampleId :

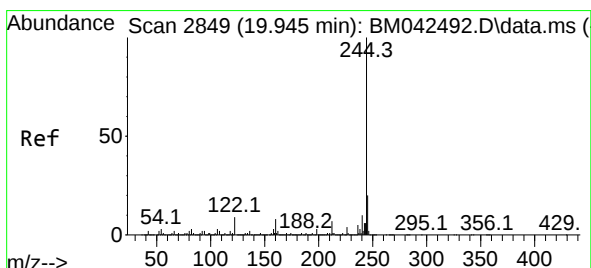
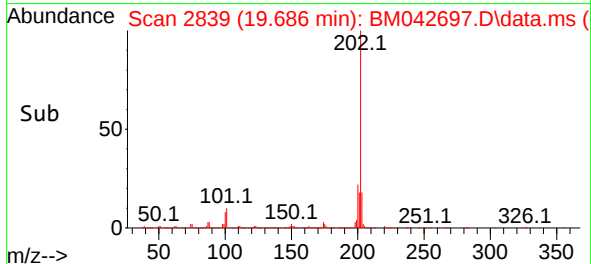
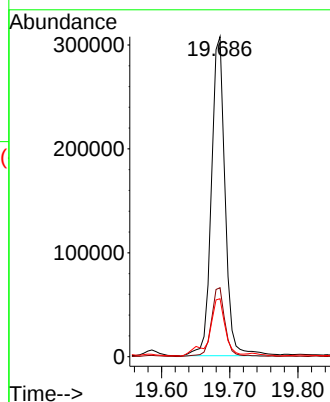
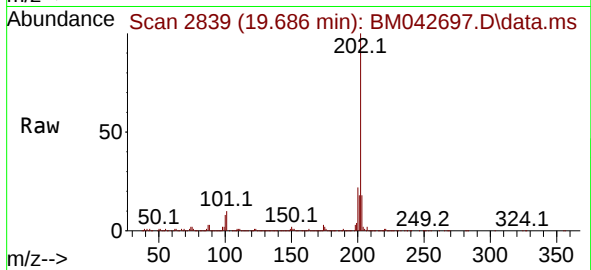
QUEEN-PLAZA

Tgt Ion:202 Resp: 430974
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.9 25.3
 203 18.1 13.7 20.5

Manual Integrations

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 Supervised By :mohammad ahmed 11/16/2023



#79

Terphenyl-d14

Concen: 12.389 ng

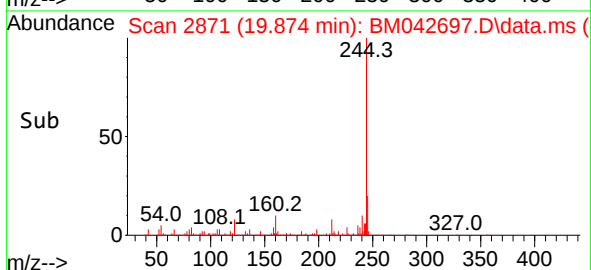
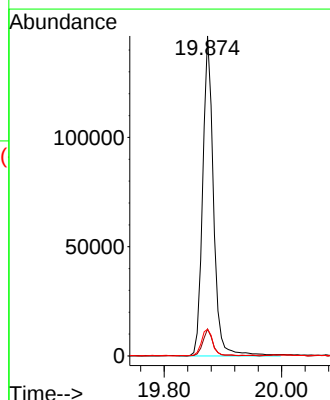
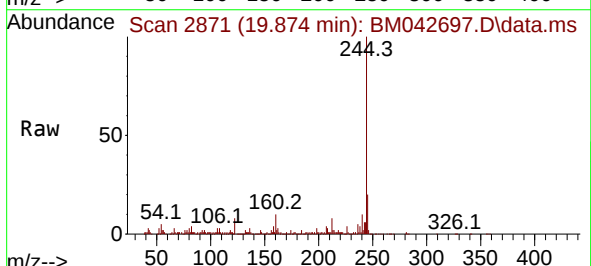
RT: 19.874 min Scan# 2871

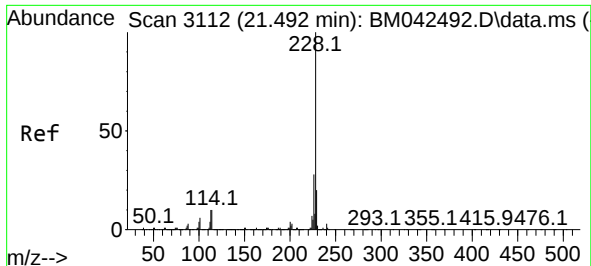
Delta R.T. -0.000 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Tgt Ion:244 Resp: 187213
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.4 8.2#
 122 8.4 7.2 10.8





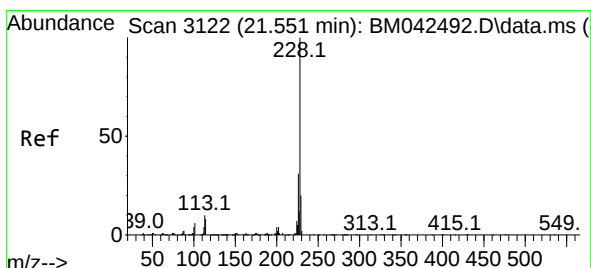
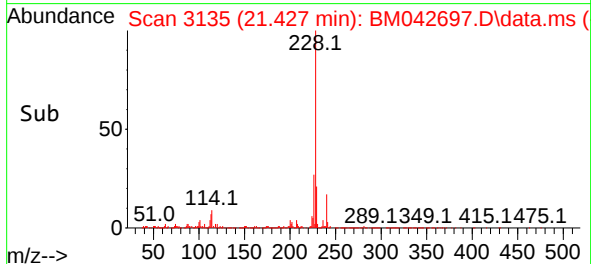
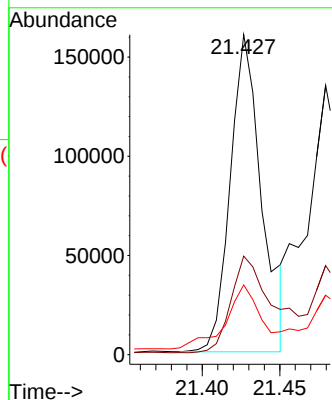
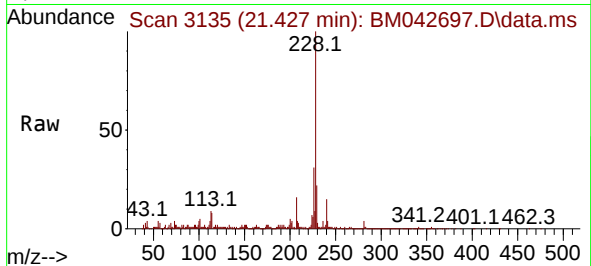
#81
Benzo(a)anthracene
Concen: 13.815 ng
RT: 21.427 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Instrument :
BNA_M
ClientSampleId :
QUEEN-PLAZA

Tgt Ion:228 Resp: 22522
Ion Ratio Lower Upper
228 100
226 30.8 22.3 33.5
229 21.8 15.8 23.8

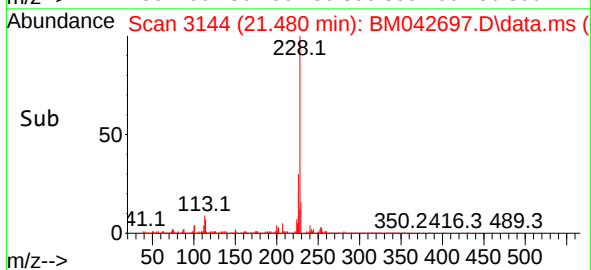
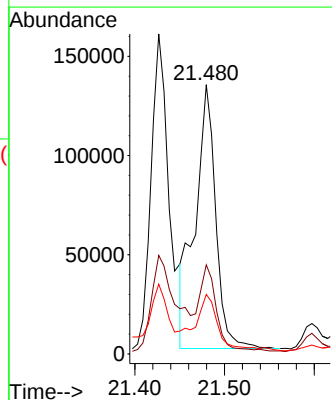
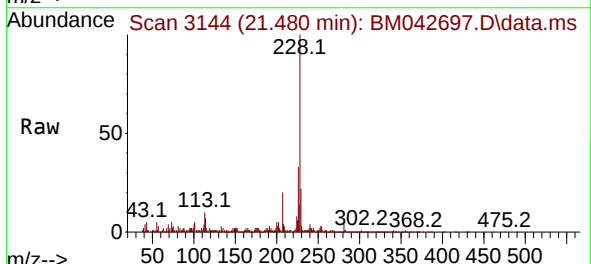
Manual Integrations
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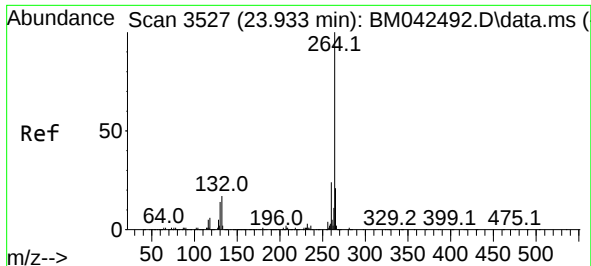
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#83
Chrysene
Concen: 12.915 ng
RT: 21.480 min Scan# 3144
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

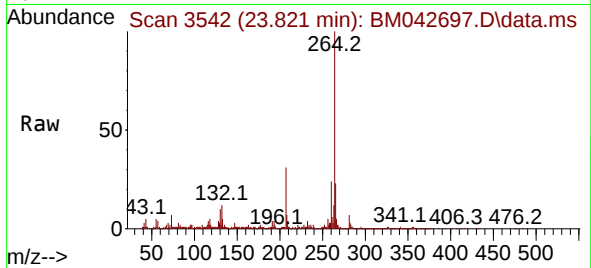
Tgt Ion:228 Resp: 213864
Ion Ratio Lower Upper
228 100
226 33.1 24.4 36.6
229 22.1 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.821 min Scan# 3542
Delta R.T. 0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

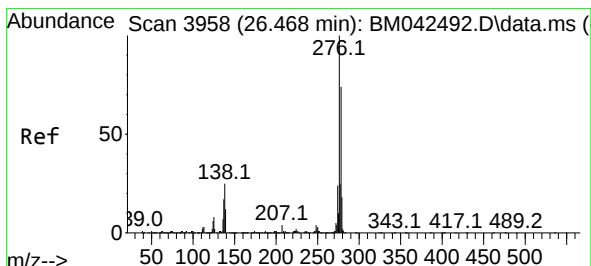
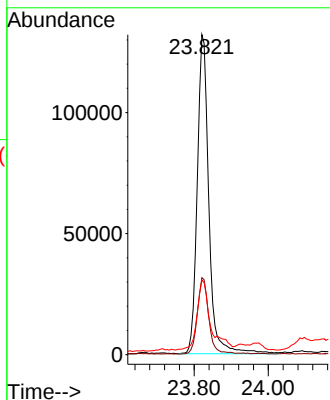
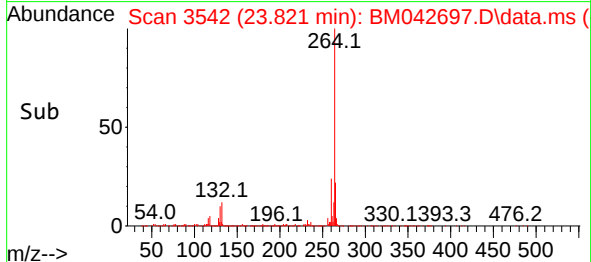
Instrument :
BNA_M
ClientSampleId :
QUEEN-PLAZA



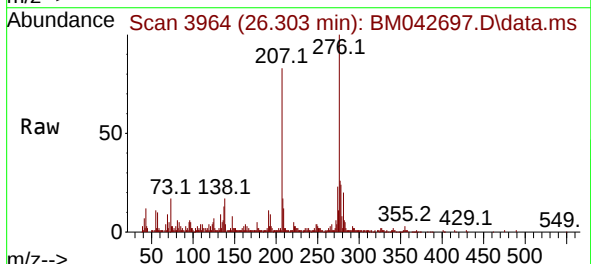
Tgt Ion:264 Resp: 28533
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 23.3 18.7 28.1

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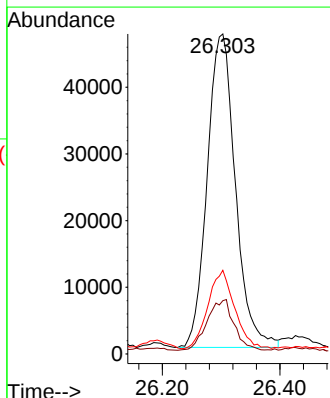
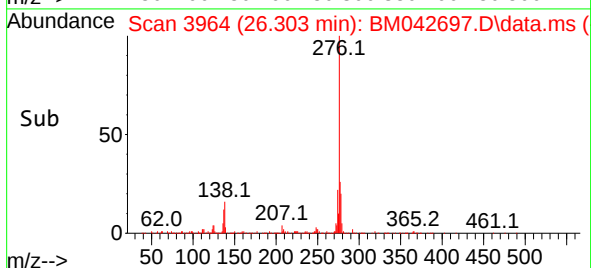
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

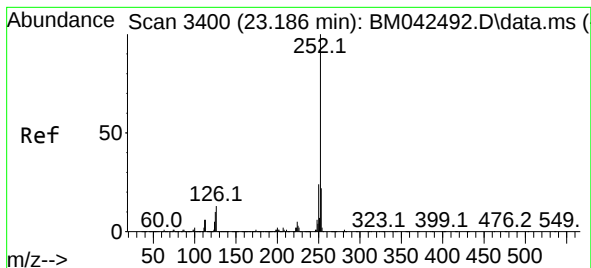


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.228 ng
RT: 26.303 min Scan# 3964
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34



Tgt Ion:276 Resp: 156719
Ion Ratio Lower Upper
276 100
138 15.4 20.6 31.0#
277 23.6 19.5 29.3





#88

Benzo(b)fluoranthene

Concen: 21.314 ng m

RT: 23.091 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Instrument :

BNA_M

ClientSampleId :

QUEEN-PLAZA

Tgt Ion:252 Resp: 33881

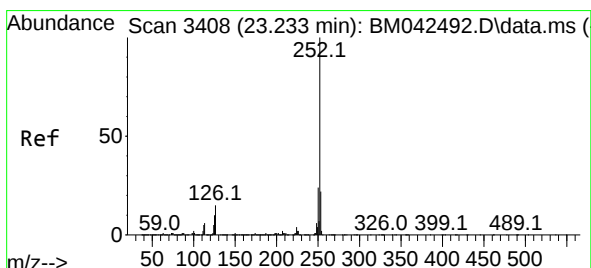
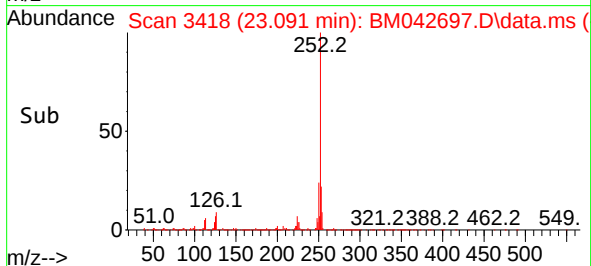
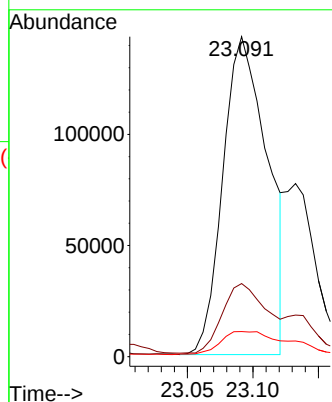
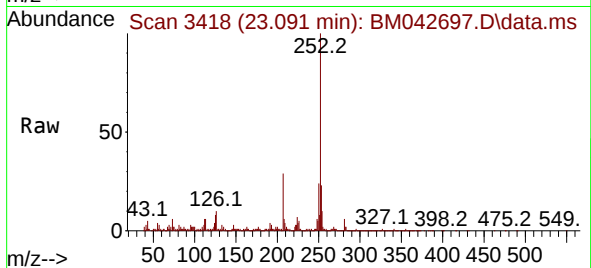
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	7.9	7.8	11.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/16/2023



#89

Benzo(k)fluoranthene

Concen: 6.926 ng m

RT: 23.132 min Scan# 3425

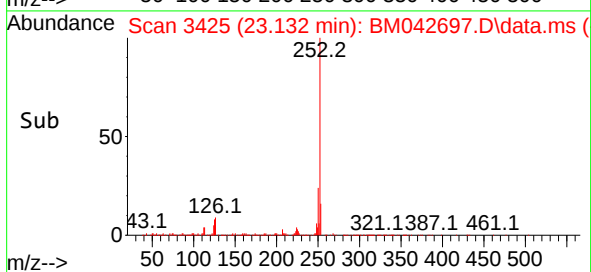
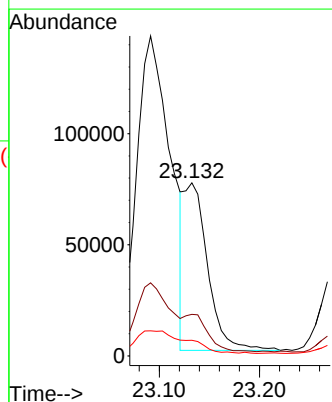
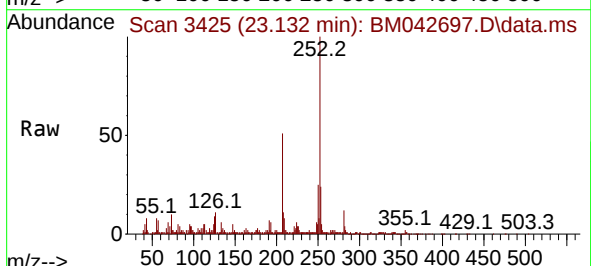
Delta R.T. -0.006 min

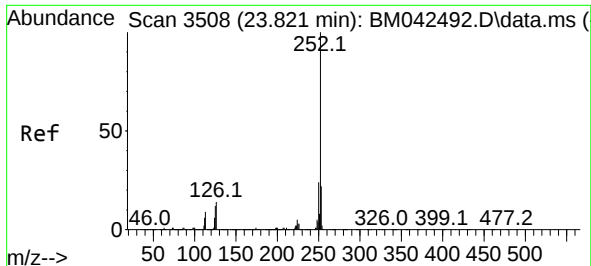
Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Tgt Ion:252 Resp: 122683

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	9.1	8.2	12.4





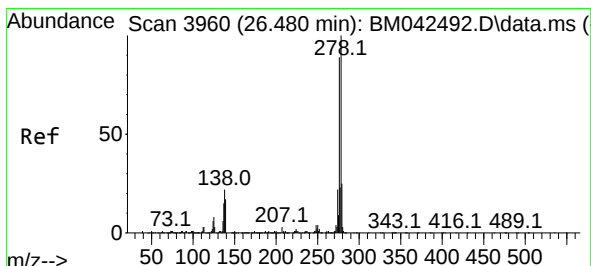
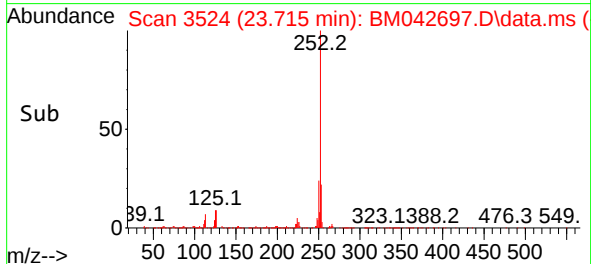
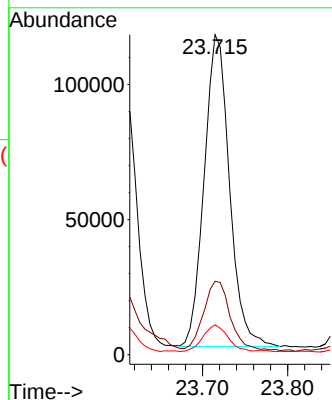
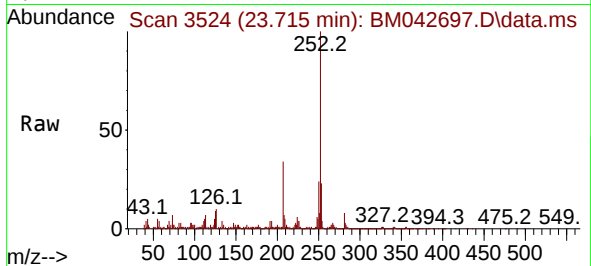
#90
Benzo(a)pyrene
Concen: 15.220 ng m
RT: 23.715 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Instrument :
BNA_M
ClientSampleId :
QUEEN-PLAZA

Tgt Ion:252 Resp: 23819
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.3 9.4 14.2

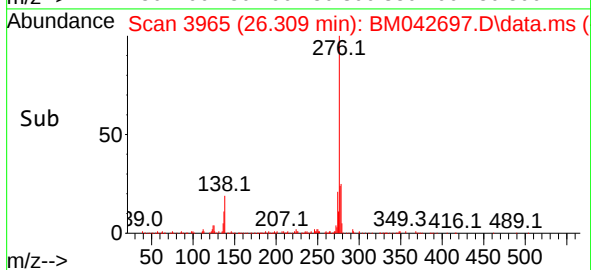
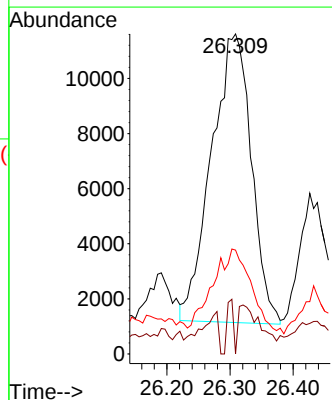
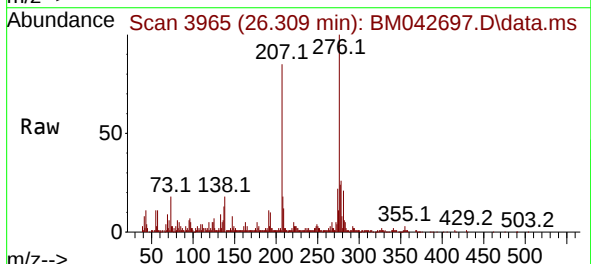
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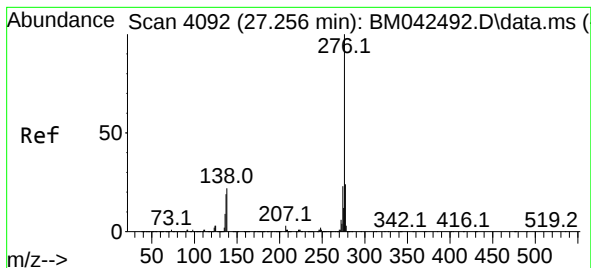
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



#91
Dibenzo(a,h)anthracene
Concen: 6.819 ng
RT: 26.309 min Scan# 3965
Delta R.T. -0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

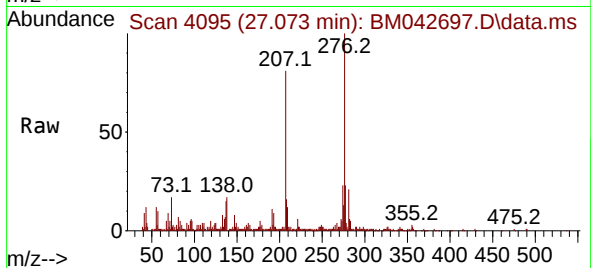
Tgt Ion:278 Resp: 45996
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.2#
279 32.5 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 11.180 ng
RT: 27.073 min Scan# 4095
Delta R.T. -0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Instrument :
BNA_M
ClientSampleId :
QUEEN-PLAZA



Tgt Ion:276 Resp: 167340
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 17.0 17.3 25.9

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

