

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071724\
 Data File : BM046693.D
 Acq On : 18 Jul 2024 07:50
 Operator : MA/JU
 Sample : P3255-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-07152024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 18 08:27:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 18 06:01:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.487	152	74082	20.000	ng	0.00
21) Naphthalene-d8	10.245	136	263475	20.000	ng	0.00
39) Acenaphthene-d10	14.133	164	184211	20.000	ng	0.00
64) Phenanthrene-d10	16.886	188	436954	20.000	ng	0.00
76) Chrysene-d12	21.115	240	511501	20.000	ng	0.00
86) Perylene-d12	23.880	264	584516	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.134	112	275445	75.521	ng	0.00
7) Phenol-d6	6.687	99	358353	77.160	ng	0.00
23) Nitrobenzene-d5	8.628	82	270067	53.219	ng	0.00
42) 2,4,6-Tribromophenol	15.633	330	229956	80.481	ng	0.00
45) 2-Fluorobiphenyl	12.745	172	721327	55.311	ng	0.00
79) Terphenyl-d14	19.545	244	1613649	57.050	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.851	152	37787	2.567	ng	98
52) Acenaphthene	14.198	154	25401	2.691	ng	99
58) Fluorene	15.192	166	38470	2.817	ng	95
71) Phenanthrene	16.927	178	651780	30.037	ng	98
72) Anthracene	17.021	178	157602	7.341	ng	99
73) Carbazole	17.292	167	61762	3.040	ng	99
75) Fluoranthene	18.957	202	1291708	46.324	ng	100
78) Pyrene	19.321	202	1155849	31.742	ng	100
81) Benzo(a)anthracene	21.098	228	615027	18.170	ng	95
83) Chrysene	21.156	228	628959	19.930	ng	97
87) Indeno(1,2,3-cd)pyrene	26.956	276	357731	9.446	ng	# 97
88) Benzo(b)fluoranthene	23.021	252	775635	21.552	ng	99
89) Benzo(k)fluoranthene	23.074	252	280629m	8.261	ng	
90) Benzo(a)pyrene	23.756	252	560481	18.002	ng	98
91) Dibenzo(a,h)anthracene	27.003	278	103282	3.286	ng	# 90
92) Benzo(g,h,i)perylene	27.915	276	330710	10.196	ng	99

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

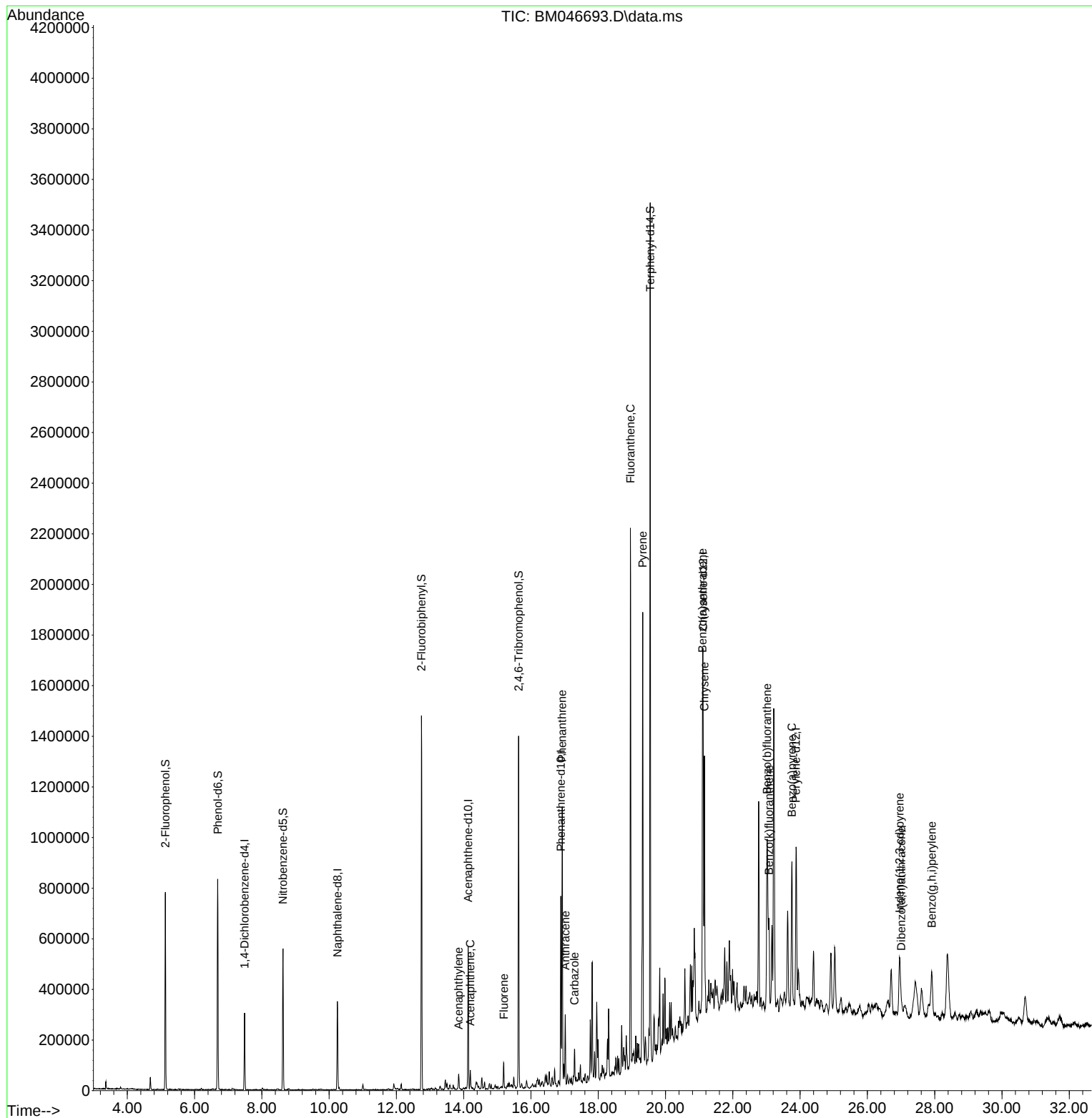
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071724\
Data File : BM046693.D
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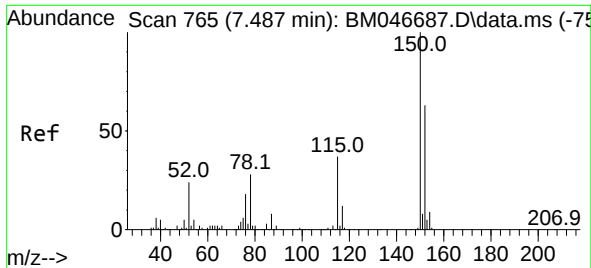
Instrument :
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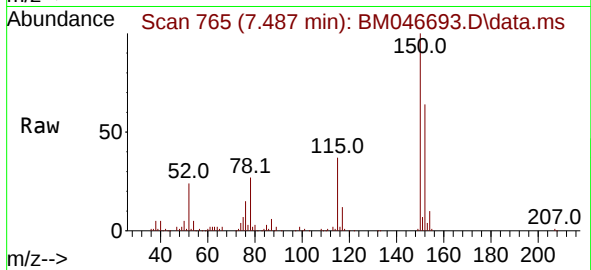
Quant Time: Jul 18 08:27:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 18 06:01:46 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.487 min Scan# 765
Delta R.T. -0.000 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50

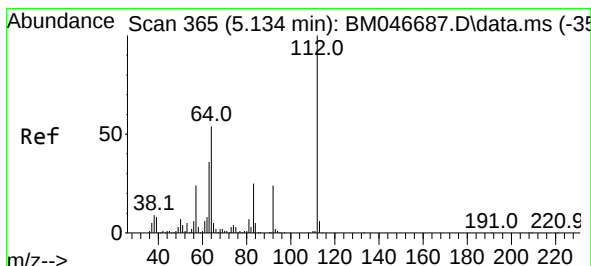
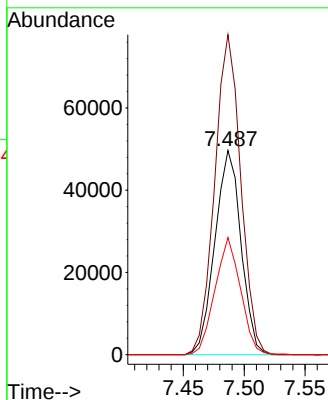
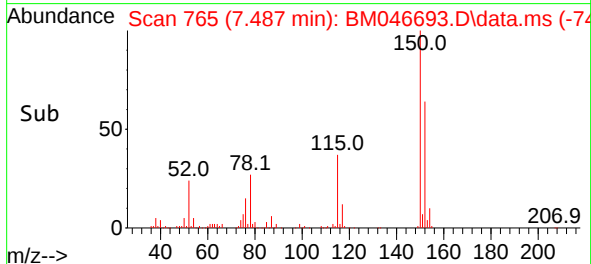
Instrument :
BNA_M
ClientSampleId :
HD-01-07152024



Tgt Ion:152 Resp: 7408
Ion Ratio Lower Upper
152 100
150 156.8 127.3 190.9
115 57.4 46.5 69.7

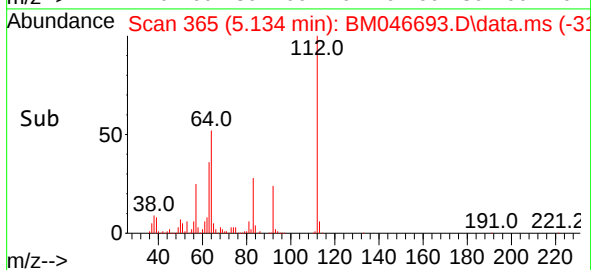
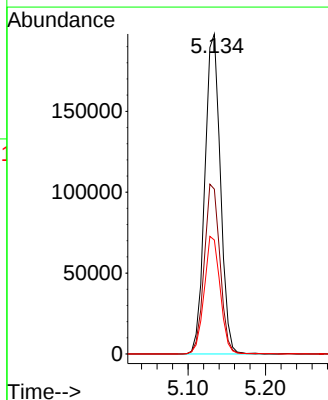
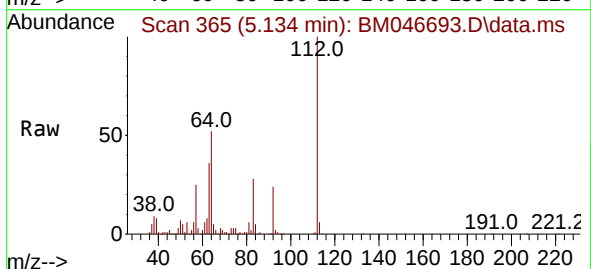
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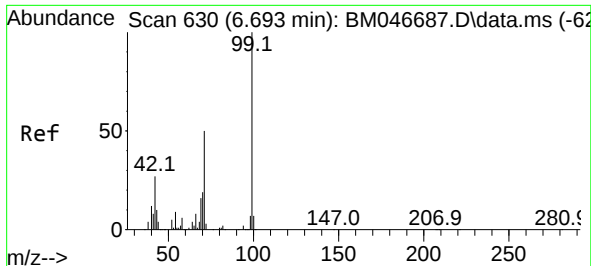
Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#5
2-Fluorophenol
Concen: 75.521 ng
RT: 5.134 min Scan# 365
Delta R.T. 0.000 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50

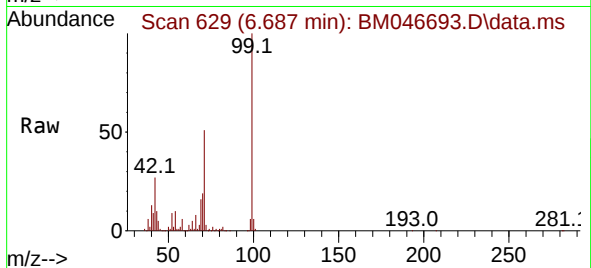
Tgt Ion:112 Resp: 275445
Ion Ratio Lower Upper
112 100
64 51.5 43.5 65.3
63 35.6 28.6 42.8





#7
Phenol-d6
Concen: 77.160 ng
RT: 6.687 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50

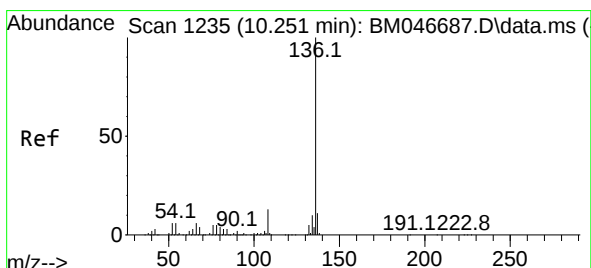
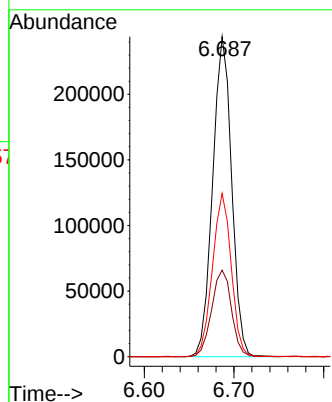
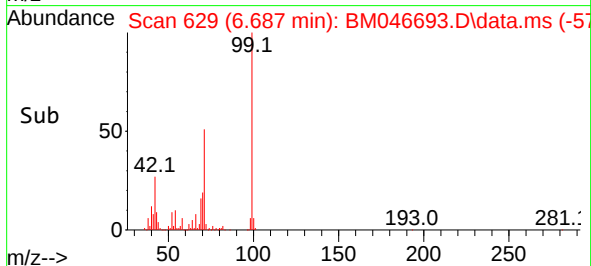
Instrument :
BNA_M
ClientSampleId :
HD-01-07152024



Tgt Ion: 99 Resp: 35835
Ion Ratio Lower Upper
99 100
42 27.0 21.4 32.0
71 51.0 39.9 59.9

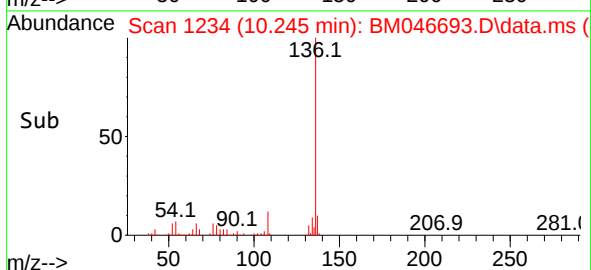
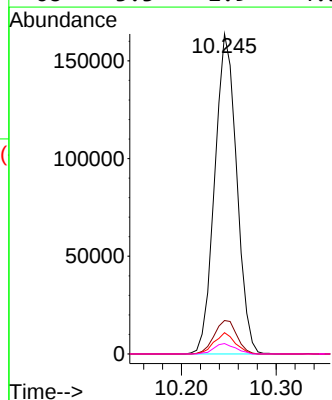
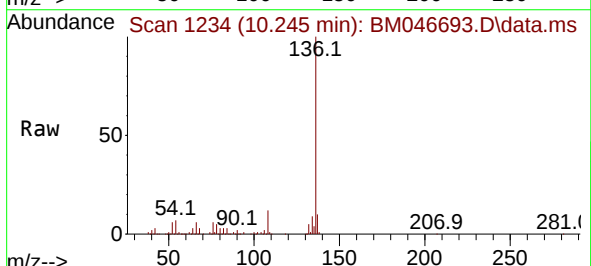
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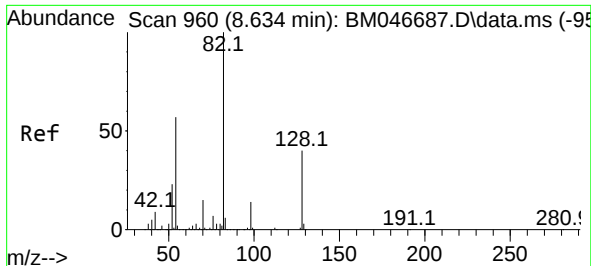
Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.245 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50

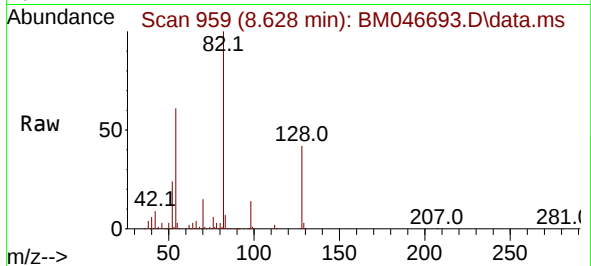
Tgt Ion:136 Resp: 263475
Ion Ratio Lower Upper
136 100
137 10.4 8.7 13.1
54 6.6 5.1 7.7
68 3.3 2.9 4.3





#23
Nitrobenzene-d5
Concen: 53.219 ng
RT: 8.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50

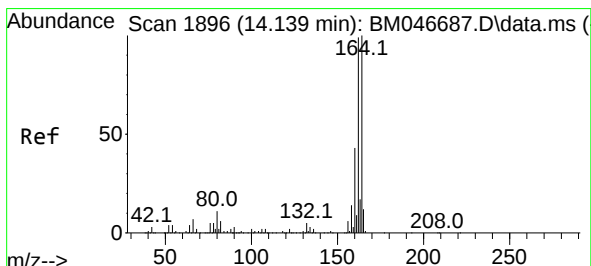
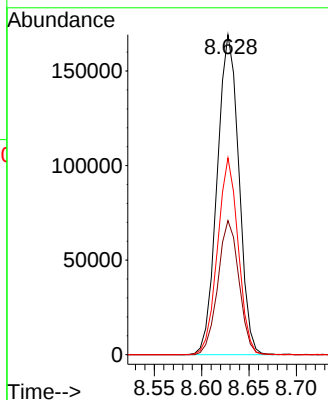
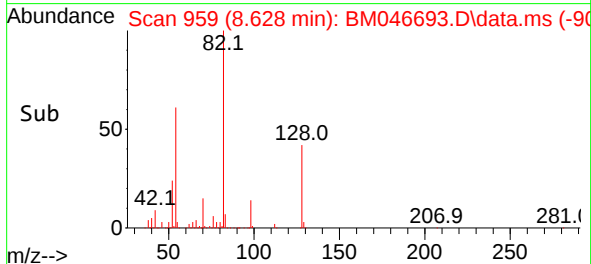
Instrument :
BNA_M
ClientSampleId :
HD-01-07152024



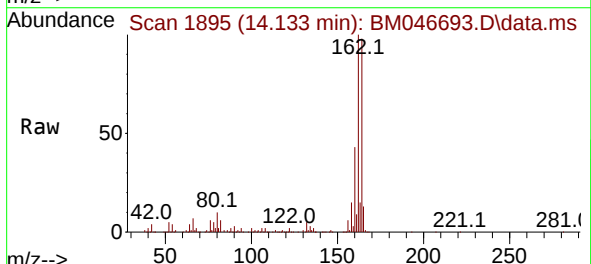
Tgt Ion: 82 Resp: 27006
Ion Ratio Lower Upper
82 100
128 41.9 32.0 48.0
54 61.5 45.2 67.8

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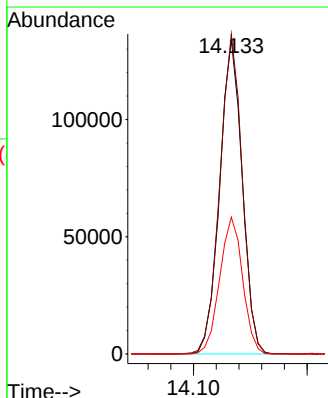
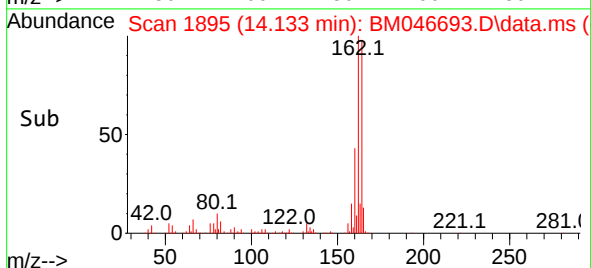
Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

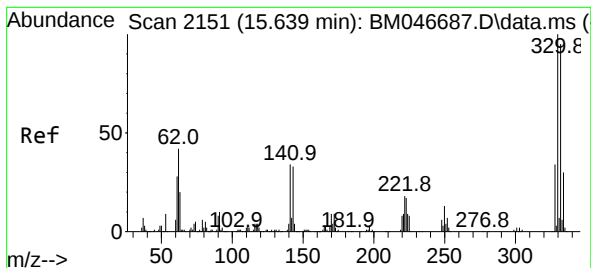


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50



Tgt Ion:164 Resp: 184211
Ion Ratio Lower Upper
164 100
162 101.9 79.0 118.6
160 43.5 34.6 51.8





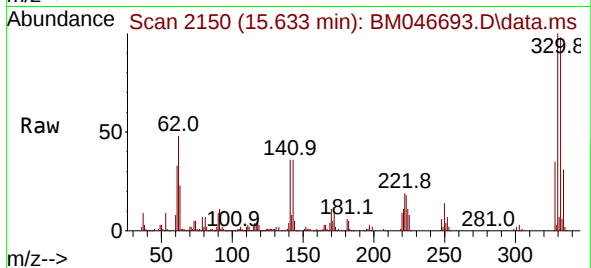
#42
2,4,6-Tribromophenol
Concen: 80.481 ng
RT: 15.633 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50

Instrument :

BNA_M

ClientSampleId :

HD-01-07152024

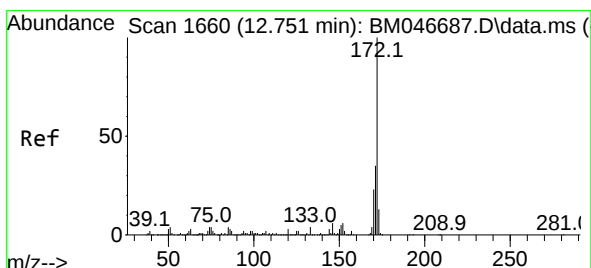
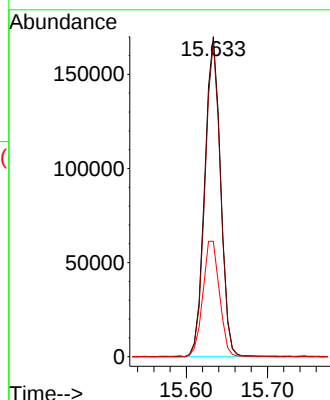


Tgt Ion:330 Resp: 229950
Ion Ratio Lower Upper
330 100
332 96.6 75.5 113.3
141 37.7 29.7 44.5

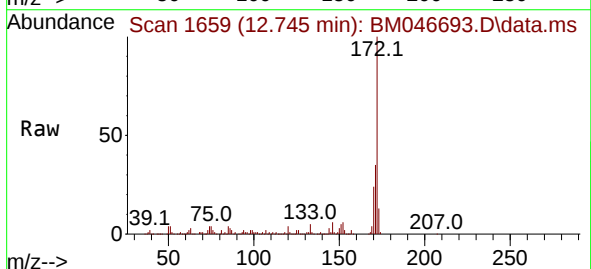
Manual Integrations

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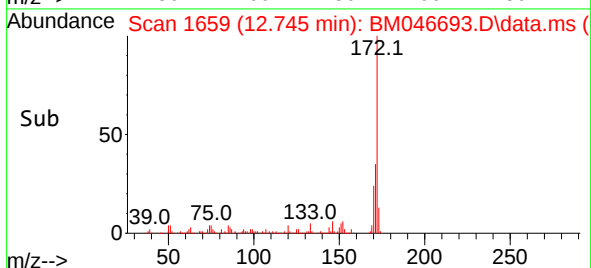
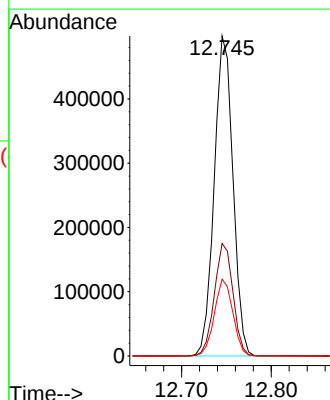
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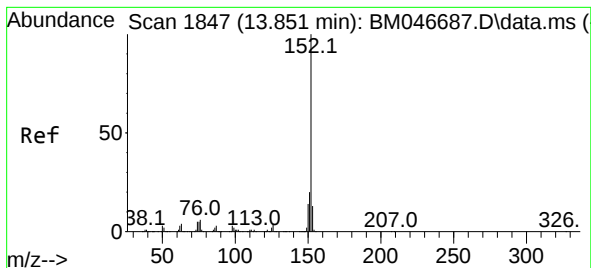


#45
2-Fluorobiphenyl
Concen: 55.311 ng
RT: 12.745 min Scan# 1659
Delta R.T. -0.006 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50



Tgt Ion:172 Resp: 721327
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 24.0 18.5 27.7





#49

Acenaphthylene

Concen: 2.567 ng

RT: 13.851 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Instrument :

BNA_M

ClientSampleId :

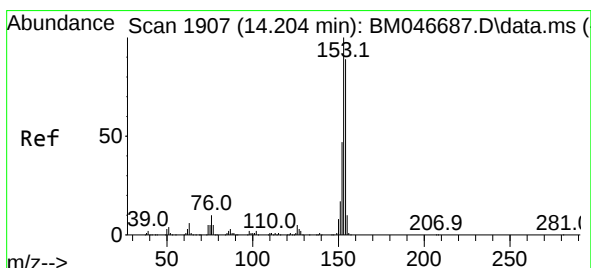
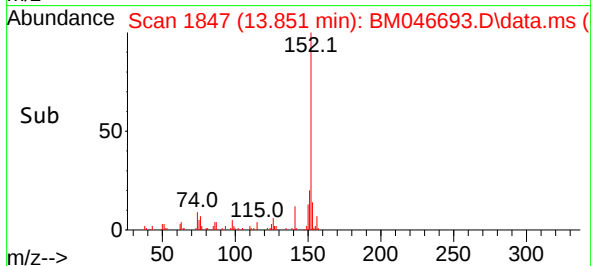
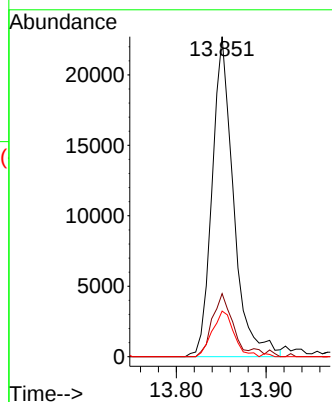
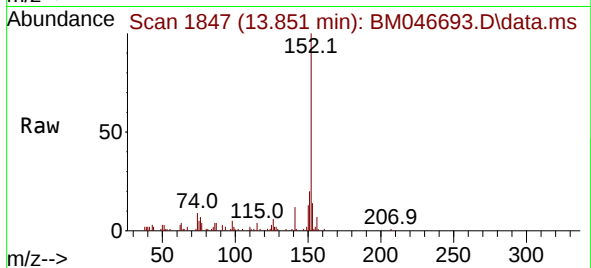
HD-01-07152024

Tgt Ion:	152	Resp:	3778
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.3	24.5
153	14.2	10.6	15.8

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#52

Acenaphthene

Concen: 2.691 ng

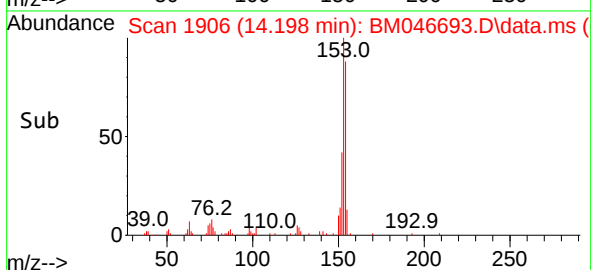
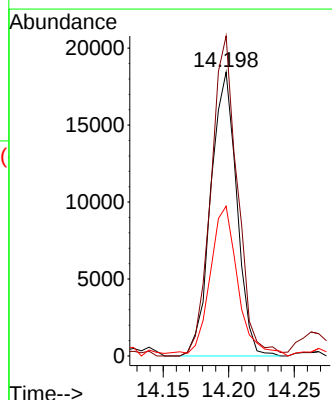
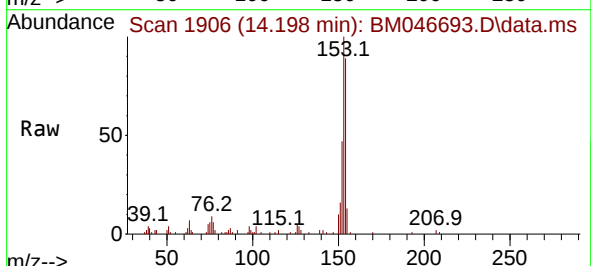
RT: 14.198 min Scan# 1906

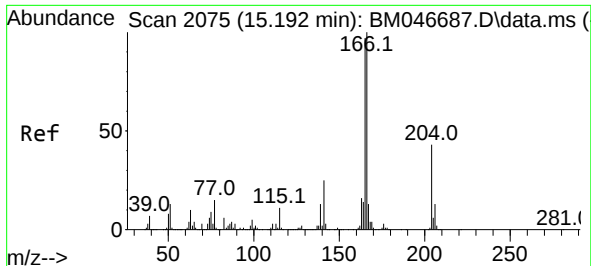
Delta R.T. -0.006 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

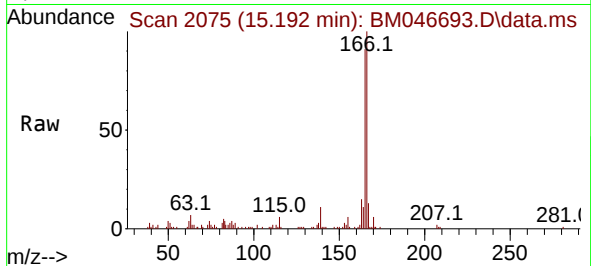
Tgt Ion:	154	Resp:	25401
Ion Ratio	Lower	Upper	
154	100		
153	112.8	89.4	134.2
152	52.7	42.2	63.2





#58
Fluorene
Concen: 2.817 ng
RT: 15.192 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50

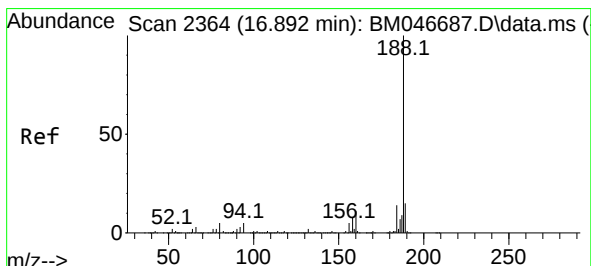
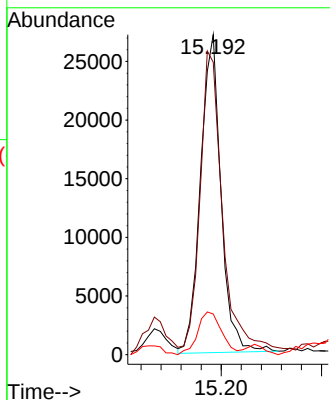
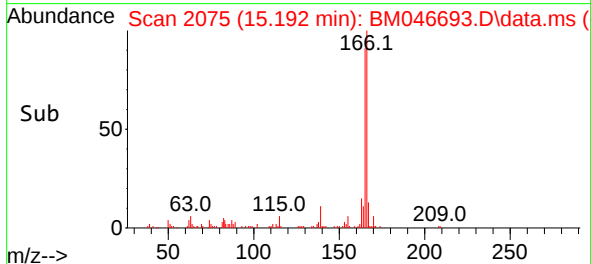
Instrument :
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Tgt Ion:166 Resp: 38470
Ion Ratio Lower Upper
166 100
165 91.4 77.7 116.5
167 12.7 10.1 15.1

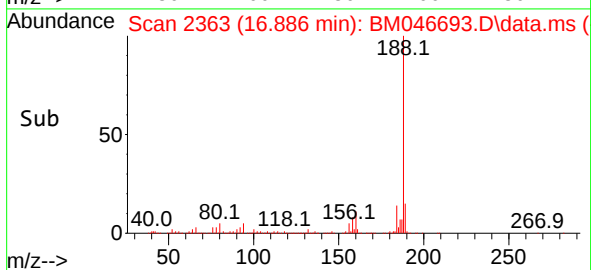
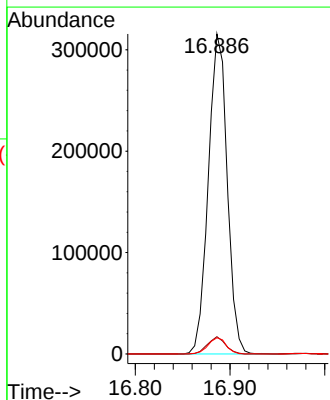
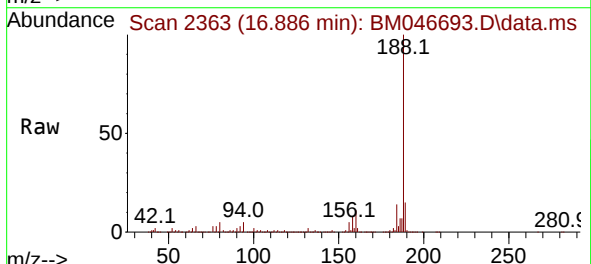
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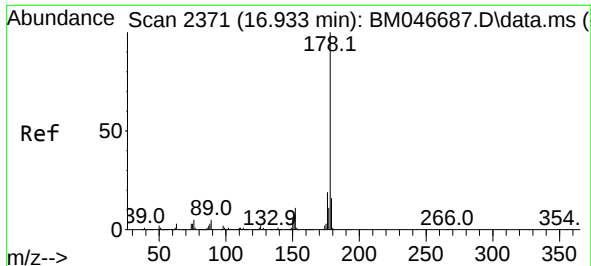
Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.886 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50

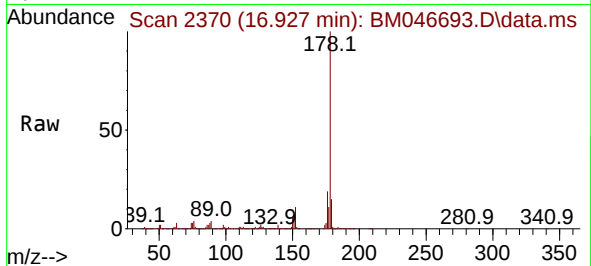
Tgt Ion:188 Resp: 436954
Ion Ratio Lower Upper
188 100
94 5.4 3.8 5.6
80 5.1 4.2 6.2





#71
Phenanthrene
Concen: 30.037 ng
RT: 16.927 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50

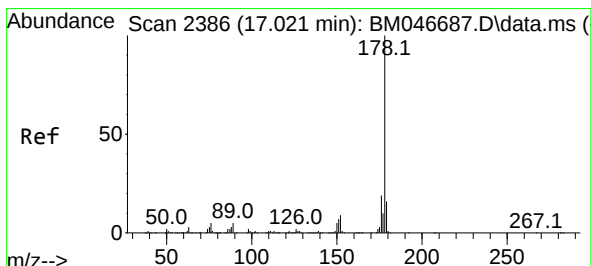
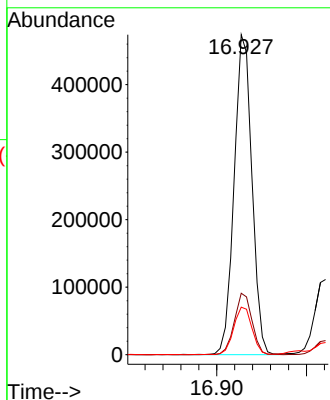
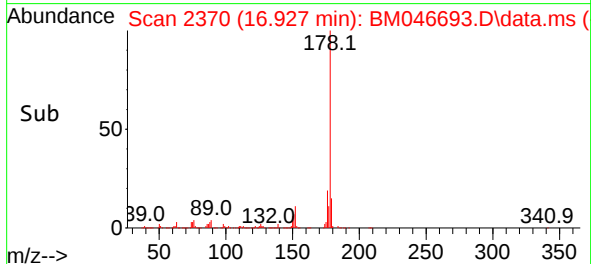
Instrument :
BNA_M
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HD-01-07152024



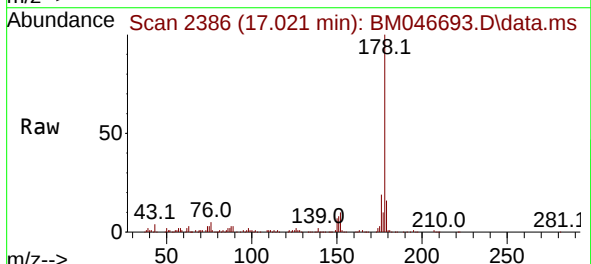
Tgt Ion:178 Resp: 651780
Ion Ratio Lower Upper
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176 19.2 15.0 22.6
179 14.8 12.7 19.1

Manual Integrations
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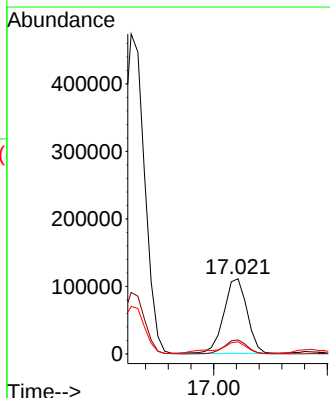
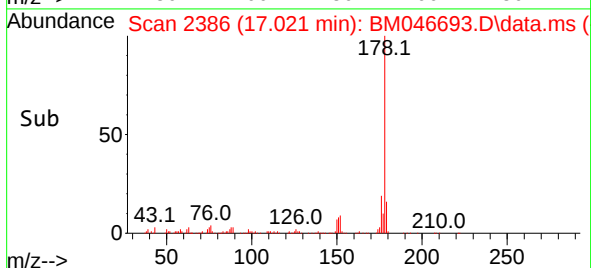
Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

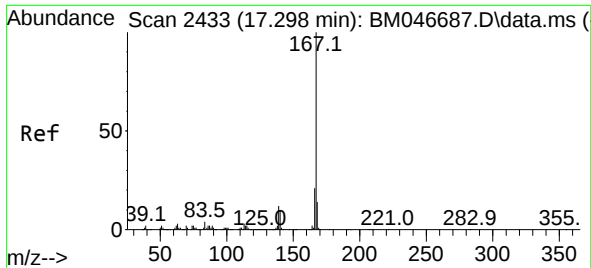


#72
Anthracene
Concen: 7.341 ng
RT: 17.021 min Scan# 2386
Delta R.T. 0.000 min
Lab File: BM046693.D
Acq: 18 Jul 2024 07:50



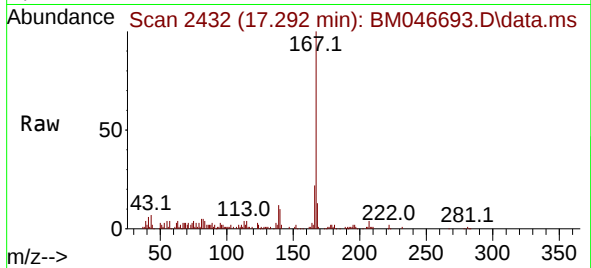
Tgt Ion:178 Resp: 157602
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 16.3 12.4 18.6





#73
 Carbazole
 Concen: 3.040 ng
 RT: 17.292 min Scan# 2433
 Delta R.T. -0.006 min
 Lab File: BM046693.D
 Acq: 18 Jul 2024 07:50

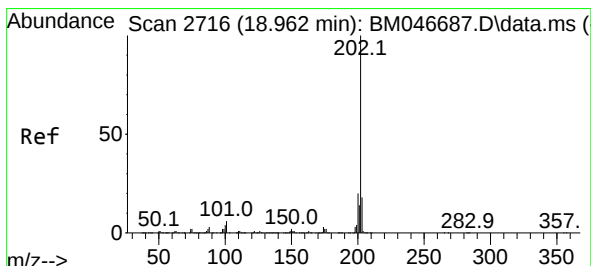
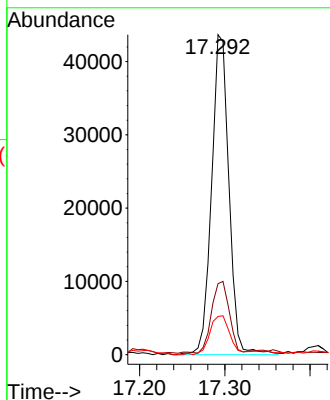
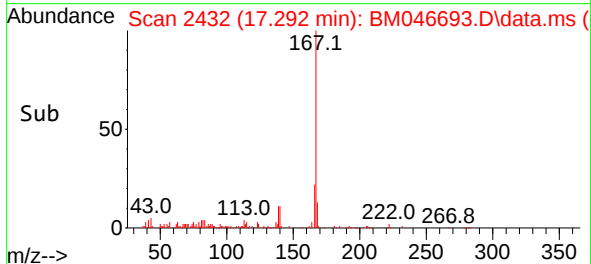
Instrument : BNA_M
 ClientSampleId : HD-01-07152024



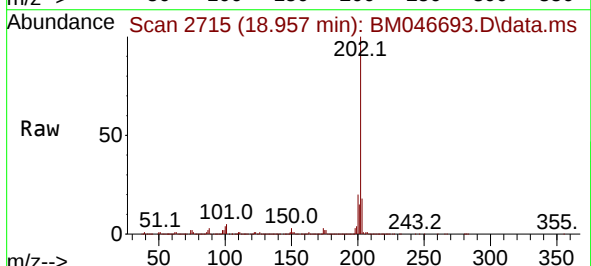
Tgt Ion:167 Resp: 61762
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.2 25.8
 139 12.0 9.8 14.8

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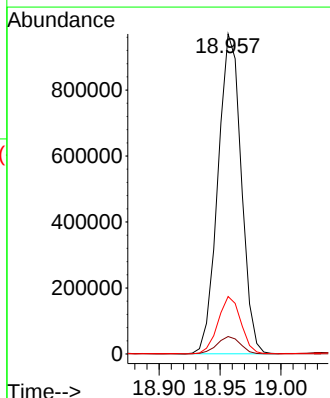
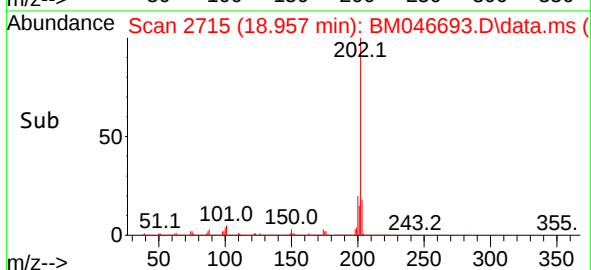
Reviewed By :Jagrut Upadhyay 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

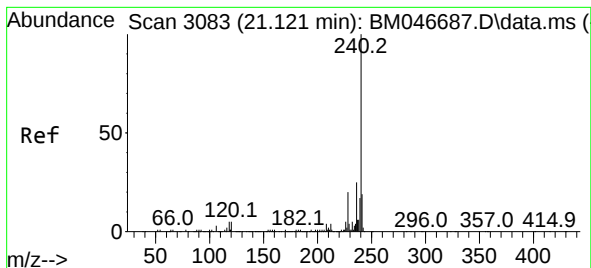


#75
 Fluoranthene
 Concen: 46.324 ng
 RT: 18.957 min Scan# 2715
 Delta R.T. -0.006 min
 Lab File: BM046693.D
 Acq: 18 Jul 2024 07:50



Tgt Ion:202 Resp: 1291708
 Ion Ratio Lower Upper
 202 100
 101 5.5 0.0 25.5
 203 18.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.115 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Instrument :

BNA_M

ClientSampleId :

HD-01-07152024

Tgt Ion:240 Resp: 51150

Ion Ratio Lower Upper

240 100

120 5.5 3.9 5.9

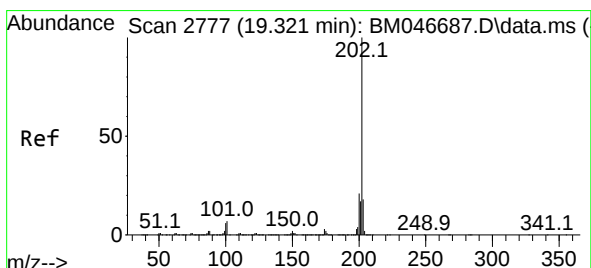
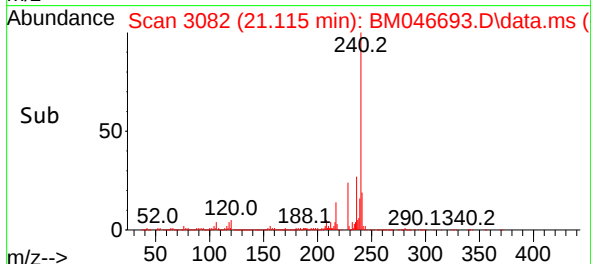
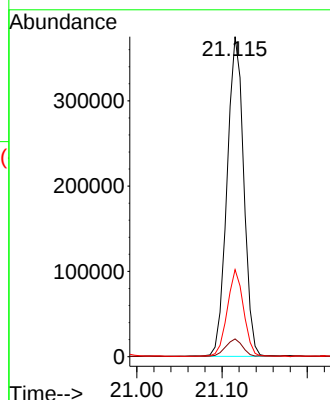
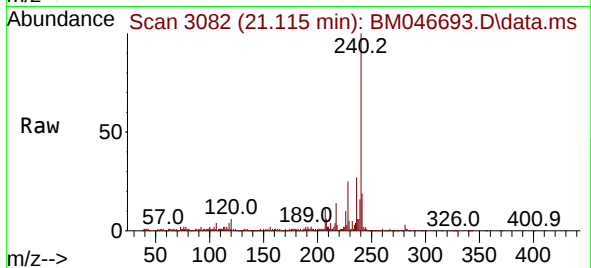
236 27.2 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#78

Pyrene

Concen: 31.742 ng

RT: 19.321 min Scan# 2777

Delta R.T. 0.000 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

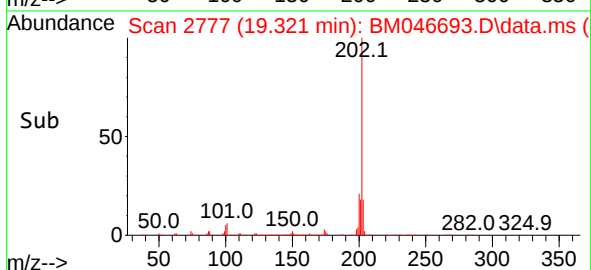
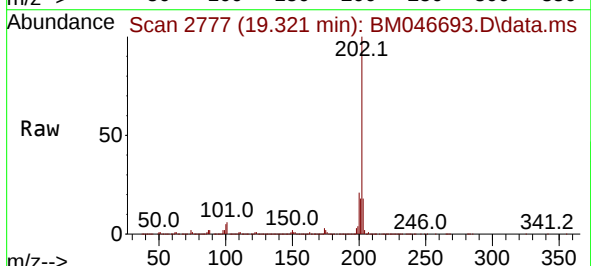
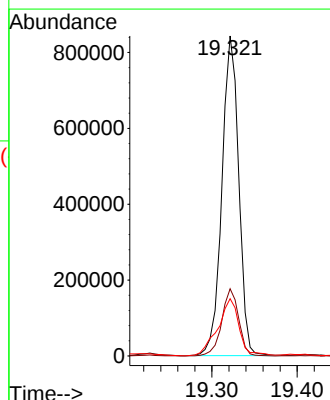
Tgt Ion:202 Resp: 1155849

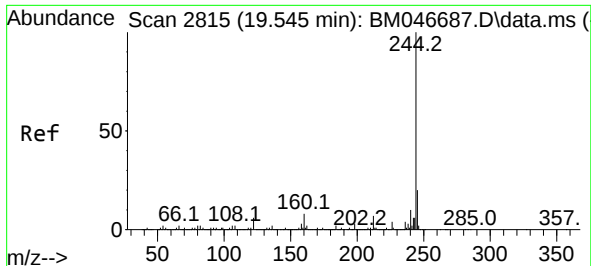
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

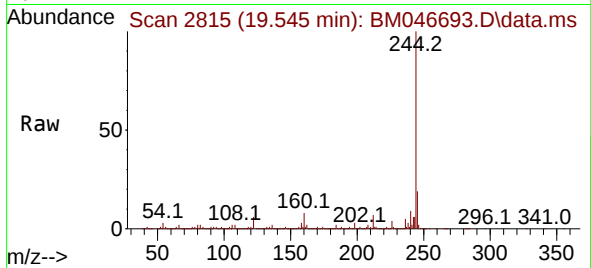
203 17.9 14.2 21.4





#79
 Terphenyl-d14
 Concen: 57.050 ng
 RT: 19.545 min Scan# 2815
 Delta R.T. 0.000 min
 Lab File: BM046693.D
 Acq: 18 Jul 2024 07:50

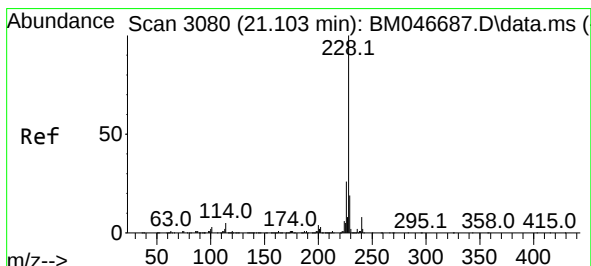
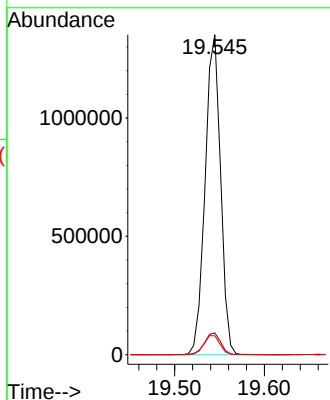
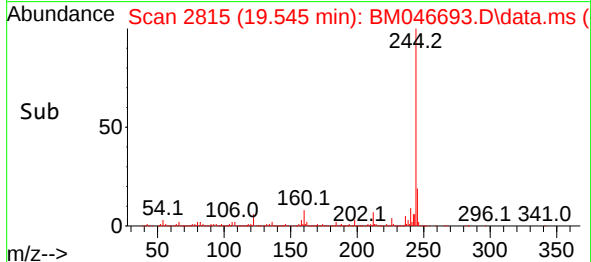
Instrument :
 BNA_M
 ClientSampleId :
 HD-01-07152024



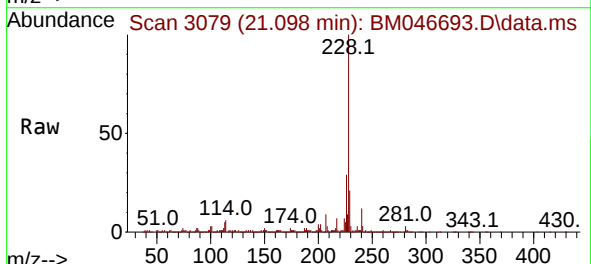
Tgt Ion:244 Resp: 1613649
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 5.9 5.0 7.6

Manual Integrations
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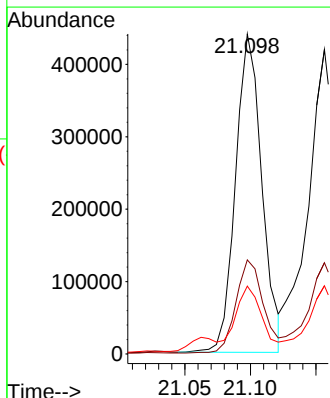
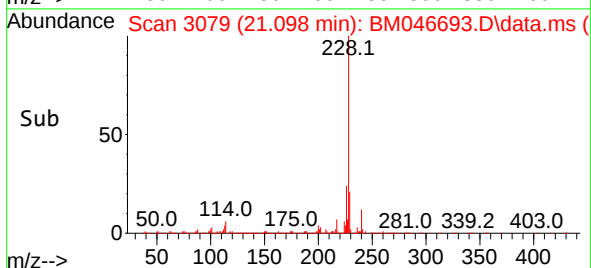
Reviewed By :Jagrut Upadhyay 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

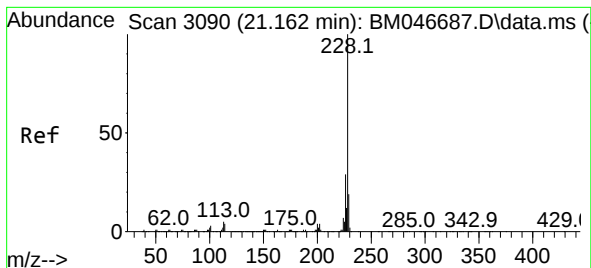


#81
 Benzo(a)anthracene
 Concen: 18.170 ng
 RT: 21.098 min Scan# 3079
 Delta R.T. -0.006 min
 Lab File: BM046693.D
 Acq: 18 Jul 2024 07:50



Tgt Ion:228 Resp: 615027
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.1 31.7
 229 21.2 15.4 23.0





#83

Chrysene

Concen: 19.930 ng

RT: 21.156 min Scan# 3090

Delta R.T. -0.006 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Instrument :

BNA_M

ClientSampleId :

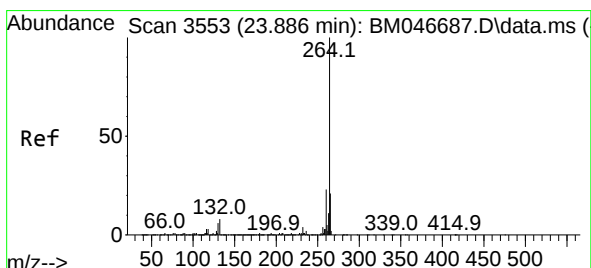
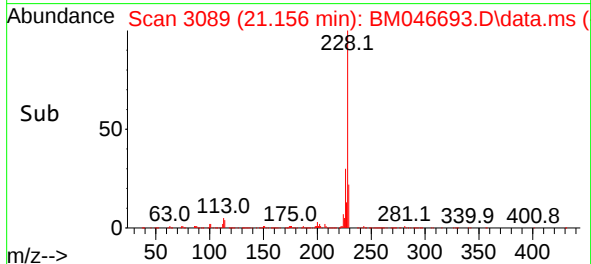
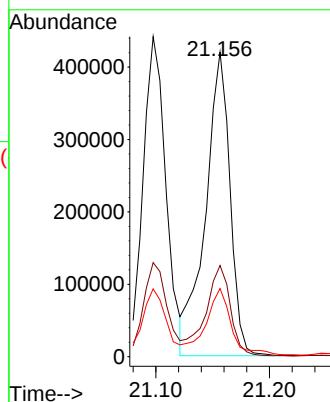
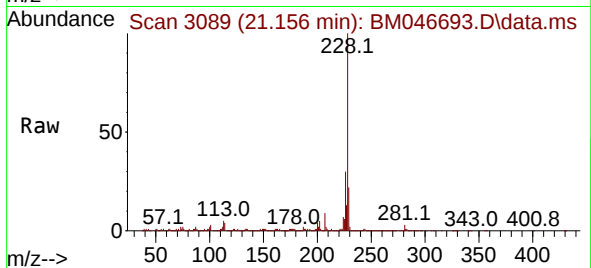
HD-01-07152024

Tgt Ion:	228	Resp:	62895
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.6	35.4
229	22.4	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#86

Perylene-d12

Concen: 20.000 ng

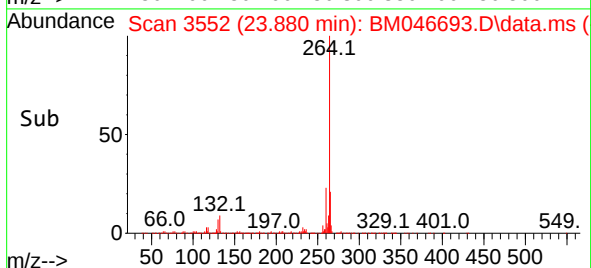
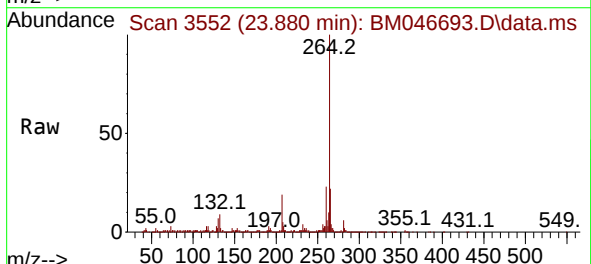
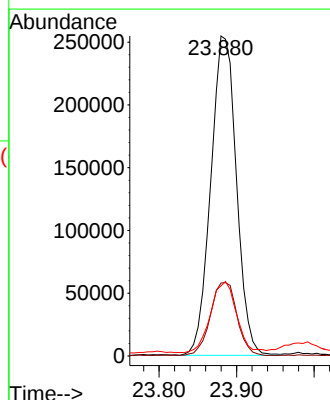
RT: 23.880 min Scan# 3552

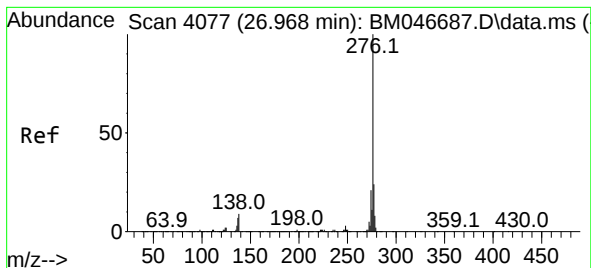
Delta R.T. -0.006 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Tgt Ion:	264	Resp:	584516
Ion Ratio	Lower	Upper	
264	100		
260	22.8	18.1	27.1
265	21.9	16.9	25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.446 ng

RT: 26.956 min Scan# 4075

Delta R.T. -0.012 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Instrument :

BNA_M

ClientSampleId :

HD-01-07152024

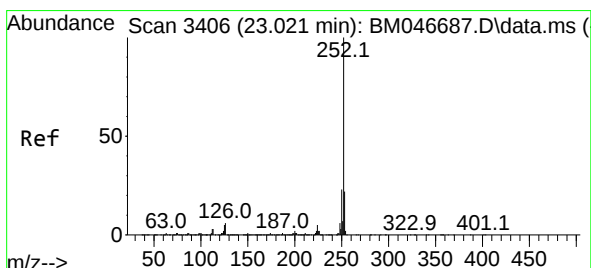
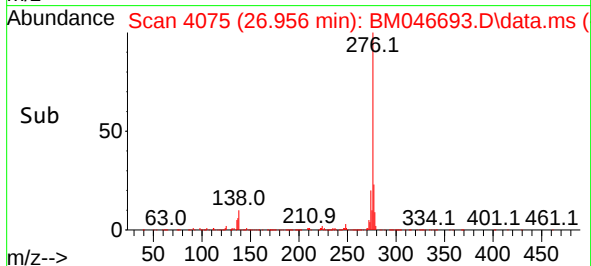
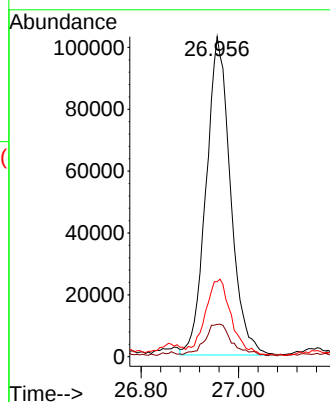
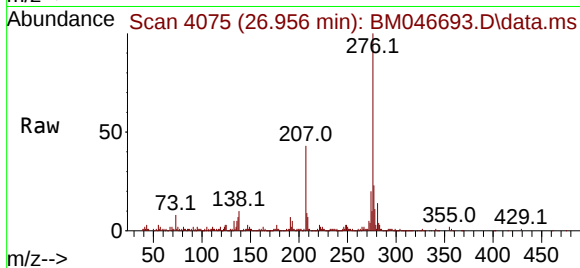
Tgt Ion:276 Resp: 35773

Ion	Ratio	Lower	Upper
276	100		
138	11.0	7.0	10.4
277	25.9	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#88

Benzo(b)fluoranthene

Concen: 21.552 ng

RT: 23.021 min Scan# 3406

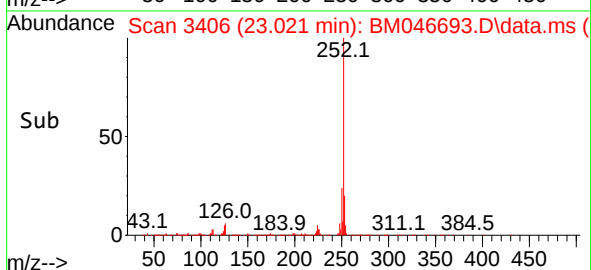
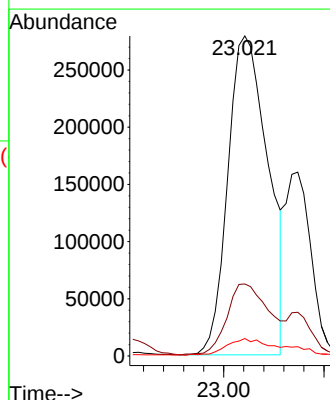
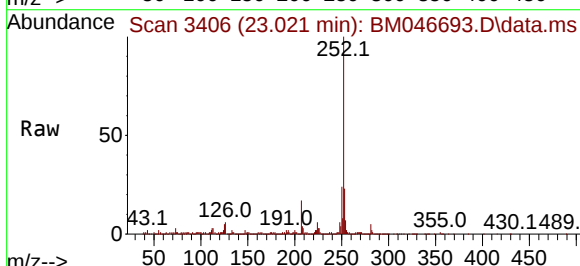
Delta R.T. 0.000 min

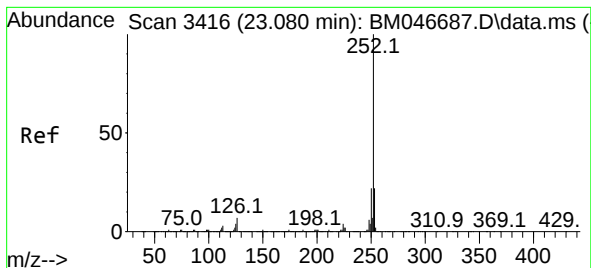
Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Tgt Ion:252 Resp: 775635

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	5.4	3.9	5.9





#89

Benzo(k)fluoranthene

Concen: 8.261 ng m

RT: 23.074 min Scan# 3416

Delta R.T. -0.006 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Instrument :

BNA_M

ClientSampleId :

HD-01-07152024

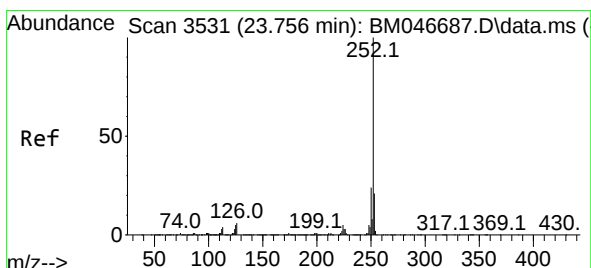
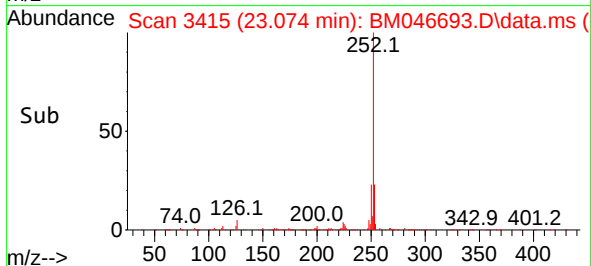
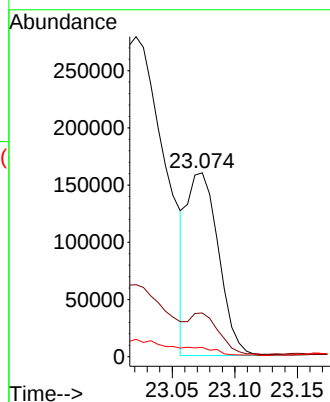
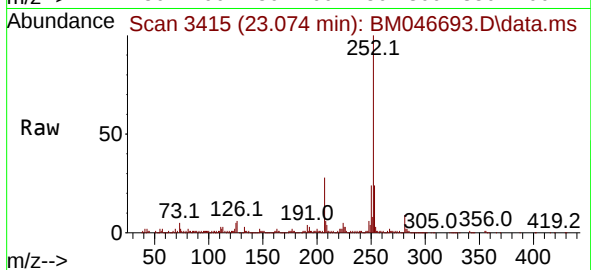
Tgt Ion:252 Resp: 280629

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	5.0	3.4	5.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#90

Benzo(a)pyrene

Concen: 18.002 ng

RT: 23.756 min Scan# 3531

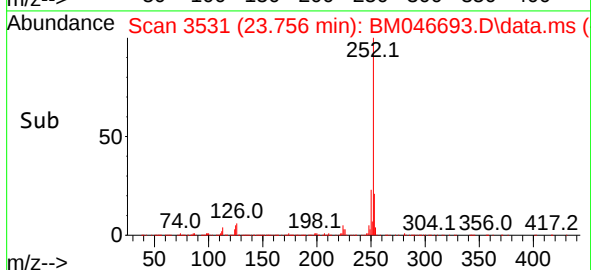
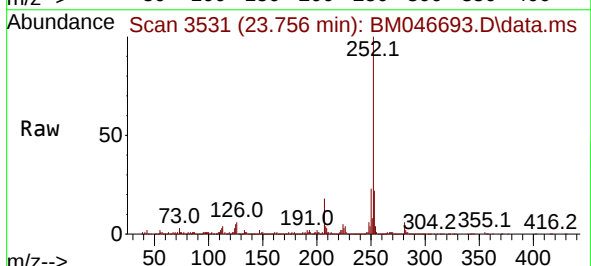
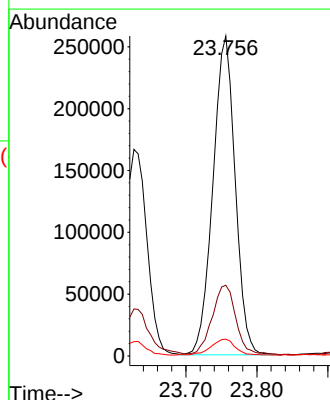
Delta R.T. 0.000 min

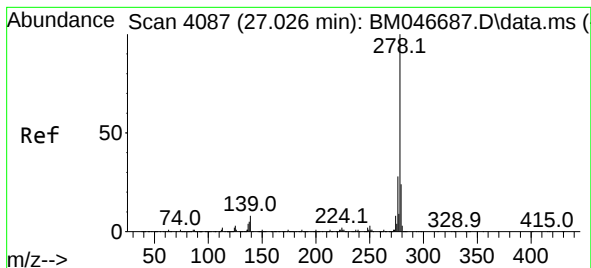
Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Tgt Ion:252 Resp: 560481

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.8	25.2
125	5.3	4.2	6.2





#91

Dibenzo(a,h)anthracene

Concen: 3.286 ng

RT: 27.003 min Scan# 4083

Delta R.T. -0.023 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Instrument :

BNA_M

ClientSampleId :

HD-01-07152024

Tgt Ion:278 Resp: 10328

Ion Ratio Lower Upper

278 100

139 10.5 6.3 9.5

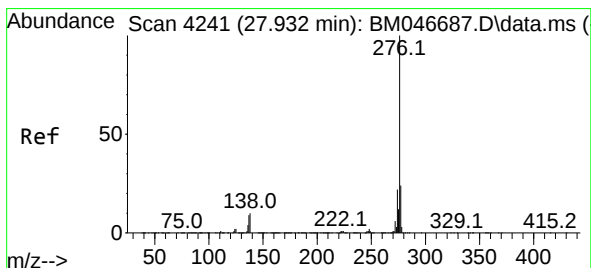
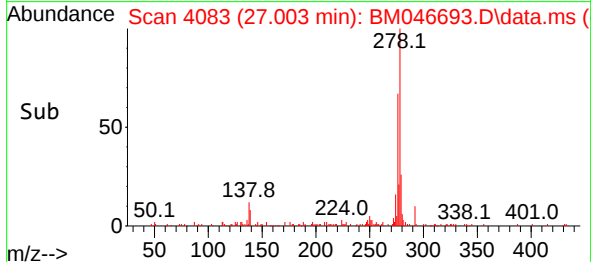
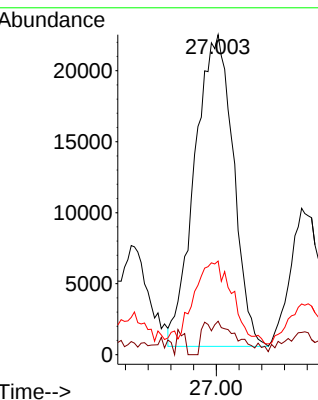
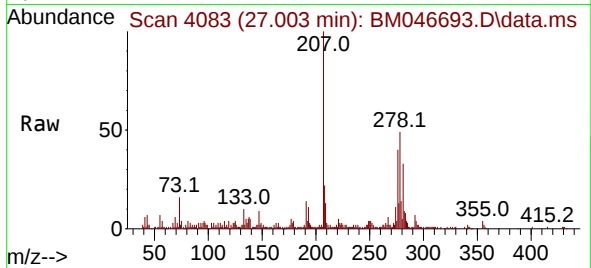
279 29.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#92

Benzo(g,h,i)perylene

Concen: 10.196 ng

RT: 27.915 min Scan# 4238

Delta R.T. -0.018 min

Lab File: BM046693.D

Acq: 18 Jul 2024 07:50

Tgt Ion:276 Resp: 330710

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.0

138 9.5 8.1 12.1

