

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
 Data File : BM044795.D
 Acq On : 28 Mar 2024 00:47
 Operator : MA/JU
 Sample : P1870-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EXTRA-PILE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
 Supervised By :mohammad ahmed 03/29/2024

Quant Time: Mar 28 02:06:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	204474	20.000	ng	-0.02
21) Naphthalene-d8	10.457	136	796698	20.000	ng	-0.03
39) Acenaphthene-d10	14.327	164	433213	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	741120	20.000	ng	-0.02
76) Chrysene-d12	21.286	240	546046	20.000	ng	-0.02
86) Perylene-d12	23.533	264	630121	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1102301	77.402	ng	-0.01
7) Phenol-d6	6.863	99	1391644	75.957	ng	-0.02
23) Nitrobenzene-d5	8.845	82	853353	51.602	ng	-0.02
42) 2,4,6-Tribromophenol	15.827	330	371340	77.716	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1549838	49.270	ng	-0.02
79) Terphenyl-d14	19.727	244	1539247	49.312	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	14.392	154	65893	2.671	ng	99
58) Fluorene	15.380	166	69798	2.289	ng	96
71) Phenanthrene	17.127	178	875529	21.377	ng	100
72) Anthracene	17.221	178	229009	5.575	ng	100
73) Carbazole	17.498	167	98456	2.545	ng	97
75) Fluoranthene	19.151	202	1536749	33.566	ng	98
78) Pyrene	19.515	202	1228258	30.690	ng	99
81) Benzo(a)anthracene	21.268	228	638418	16.803	ng	99
83) Chrysene	21.321	228	536841	14.787	ng	97
87) Indeno(1,2,3-cd)pyrene	25.791	276	378854	8.317	ng	# 94
88) Benzo(b)fluoranthene	22.856	252	772861m	20.871	ng	
89) Benzo(k)fluoranthene	22.897	252	274367m	7.207	ng	
90) Benzo(a)pyrene	23.433	252	553669	15.329	ng	99
91) Dibenzo(a,h)anthracene	25.809	278	97067	2.528	ng	# 93
92) Benzo(g,h,i)perylene	26.491	276	354741	9.384	ng	98

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

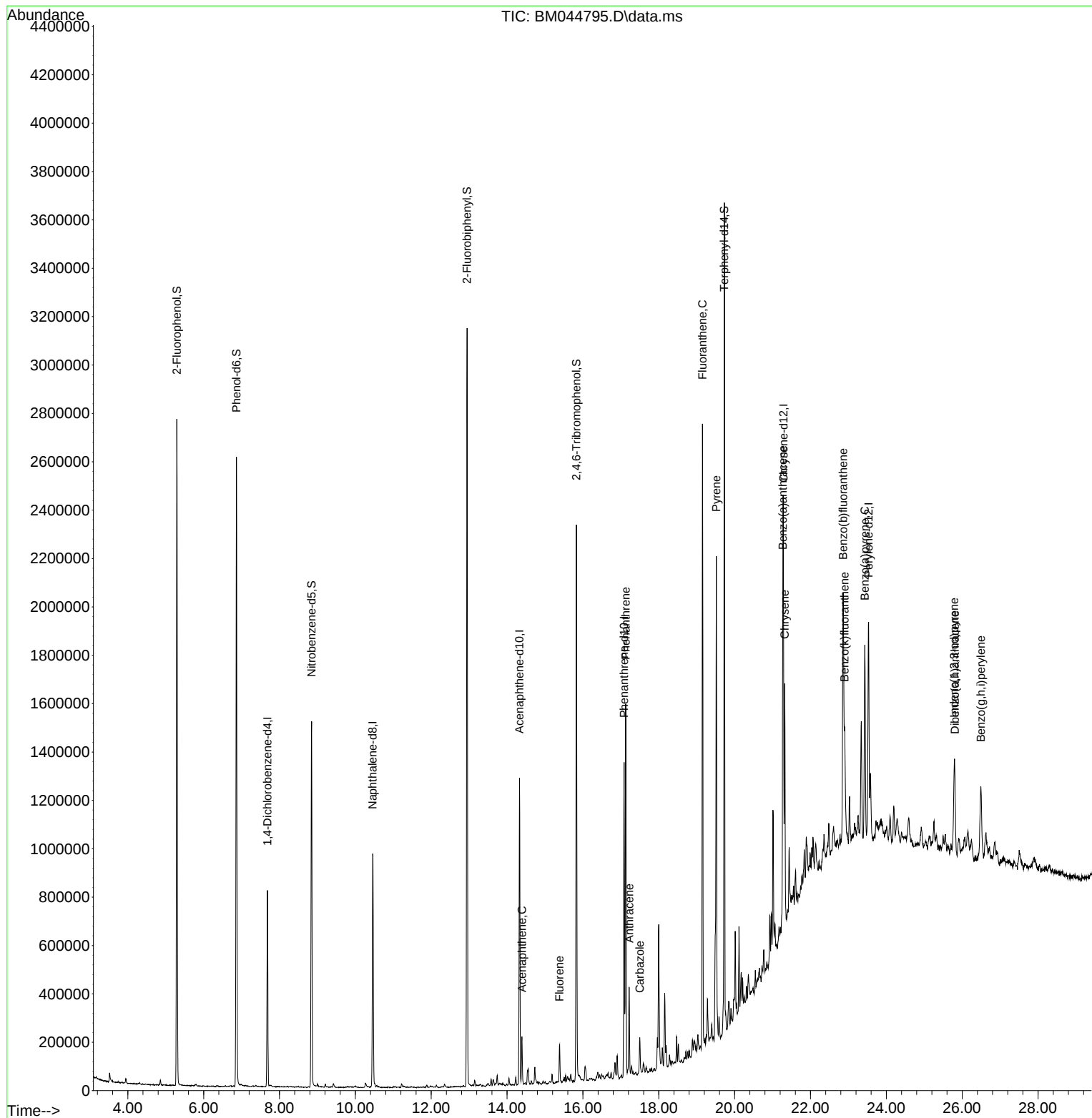
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
Data File : BM044795.D
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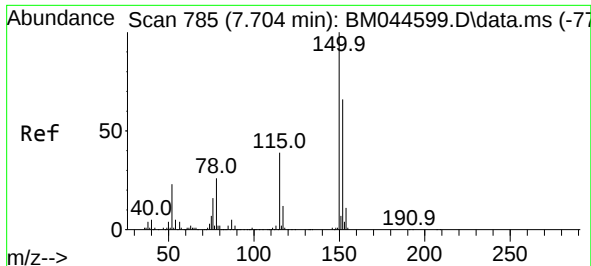
Instrument :
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Quant Time: Mar 28 02:06:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
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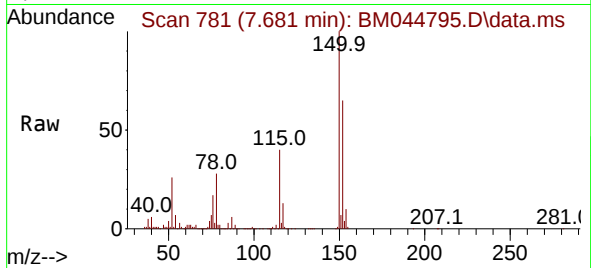
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.681 min Scan# 77
Delta R.T. -0.023 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

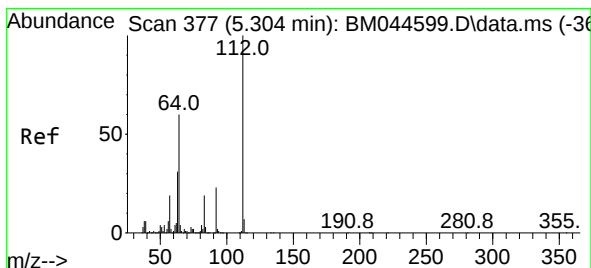
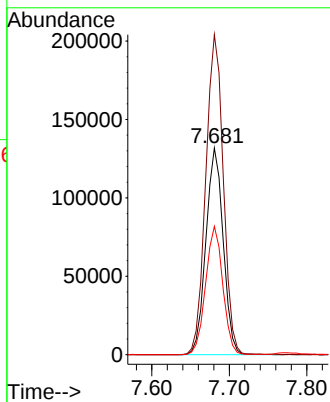
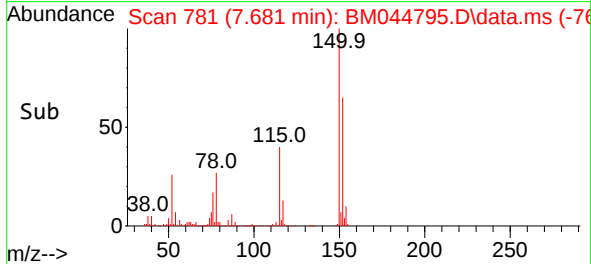
Instrument :
BNA_M
ClientSampleId :
EXTRA-PILE



Tgt Ion:152 Resp: 204474
Ion Ratio Lower Upper
152 100
150 154.8 121.9 182.9
115 62.1 47.1 70.7

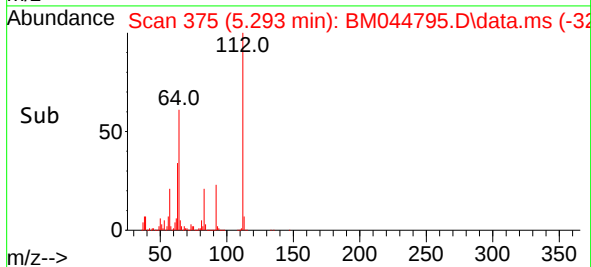
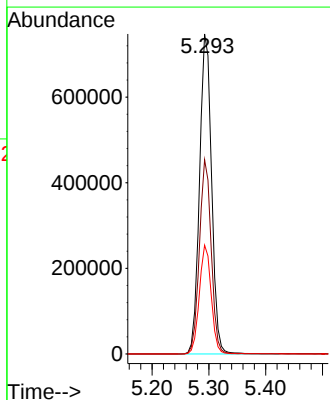
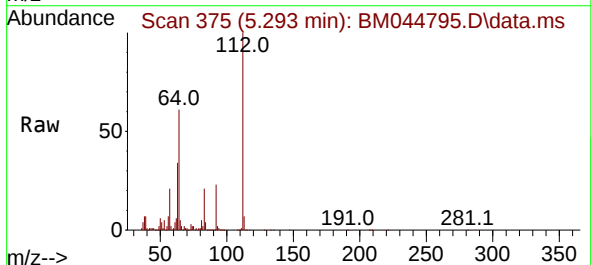
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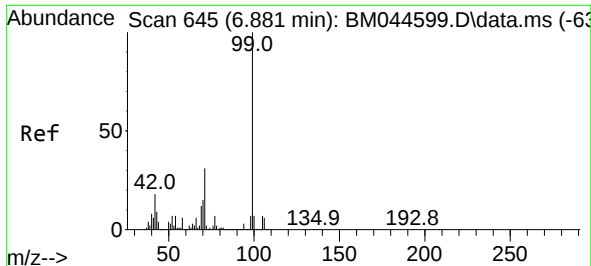
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#5
2-Fluorophenol
Concen: 77.402 ng
RT: 5.293 min Scan# 375
Delta R.T. -0.012 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

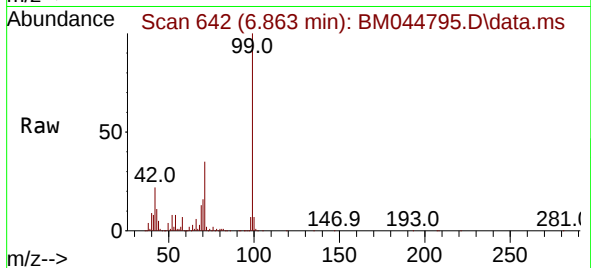
Tgt Ion:112 Resp: 1102301
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 34.0 25.0 37.4





#7
Phenol-d6
Concen: 75.957 ng
RT: 6.863 min Scan# 645
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

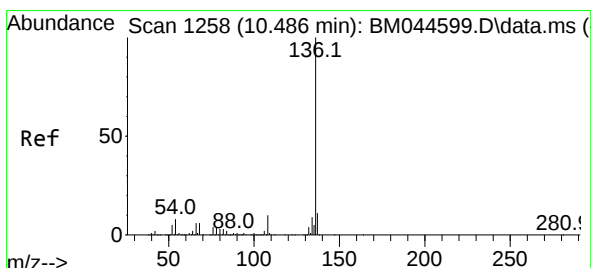
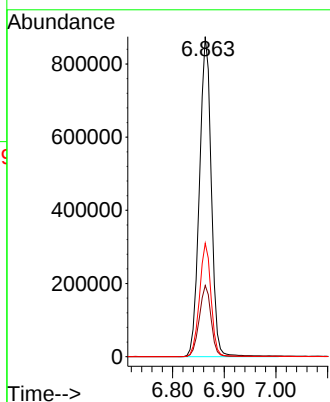
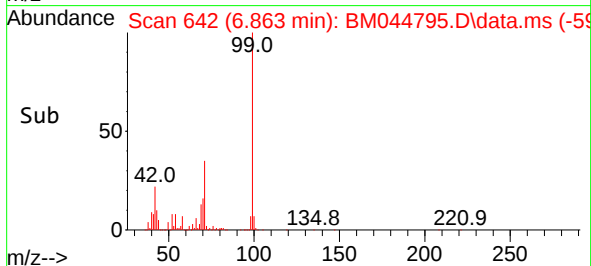
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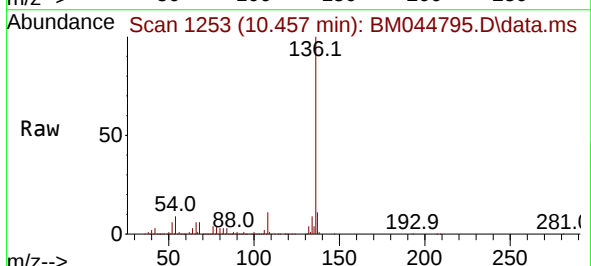
Tgt Ion: 99 Resp: 1391644
Ion Ratio Lower Upper
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42 22.2 14.3 21.5
71 35.5 24.5 36.7

Manual Integrations
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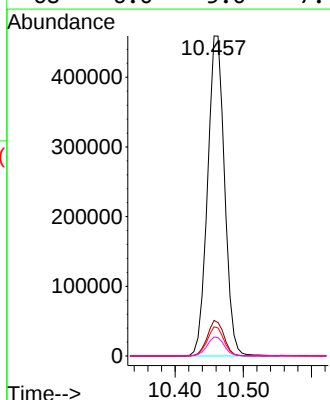
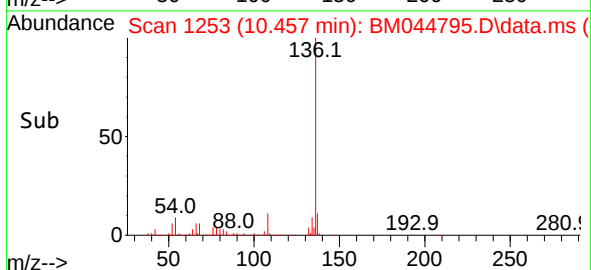
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.457 min Scan# 1253
Delta R.T. -0.029 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47



Tgt Ion:136 Resp: 796698
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.1 6.6 10.0
68 6.0 5.0 7.4





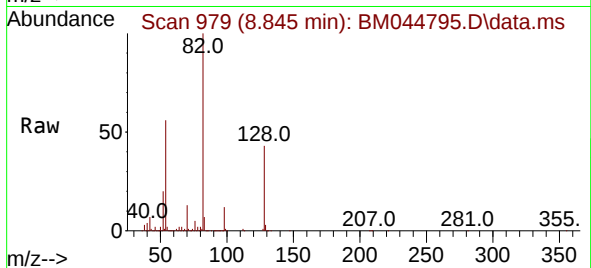
#23
Nitrobenzene-d5
Concen: 51.602 ng
RT: 8.845 min Scan# 911
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

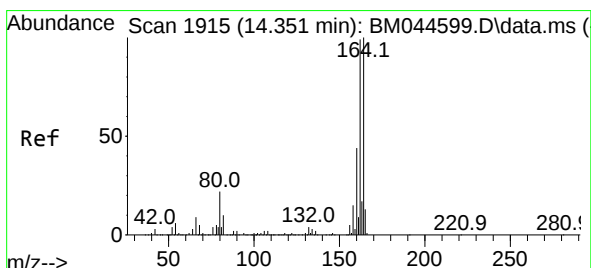
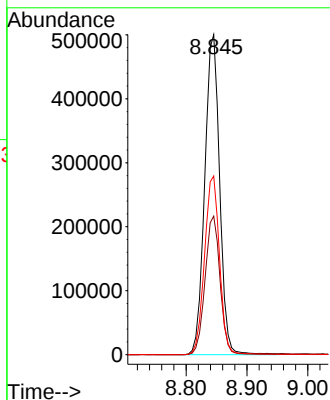
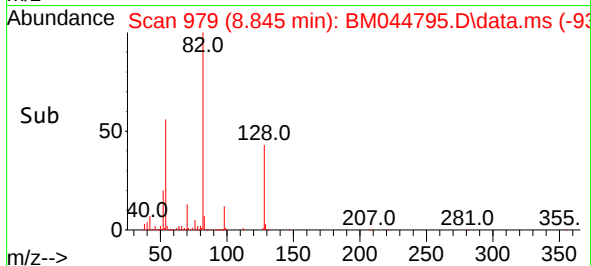
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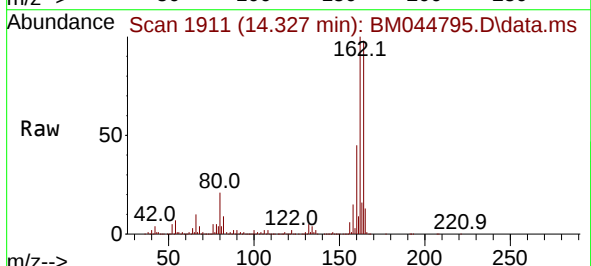
Tgt Ion: 82 Resp: 85335
Ion Ratio Lower Upper
82 100
128 43.3 34.2 51.4
54 55.9 41.3 61.9

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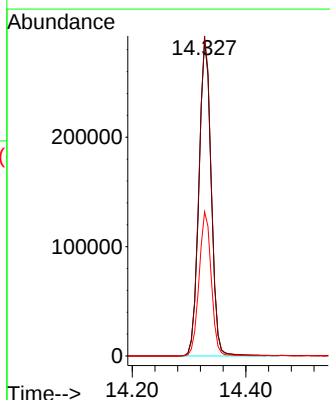
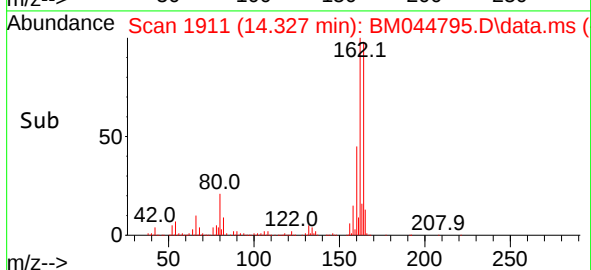
Reviewed By :Jagrut Upadhyay 03/28/2024
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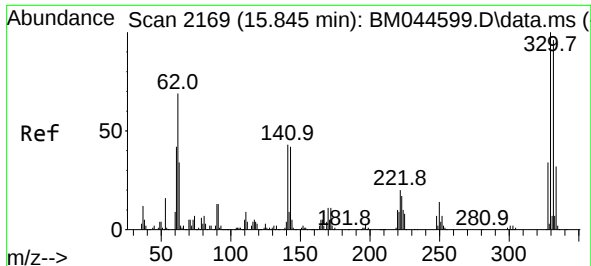


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.327 min Scan# 1911
Delta R.T. -0.023 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47



Tgt Ion:164 Resp: 433213
Ion Ratio Lower Upper
164 100
162 101.6 79.3 118.9
160 45.8 35.2 52.8





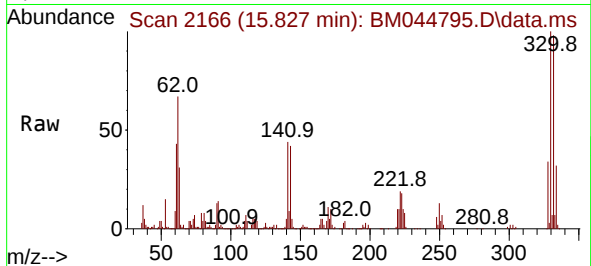
#42
2,4,6-Tribromophenol
Concen: 77.716 ng
RT: 15.827 min Scan# 2166
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

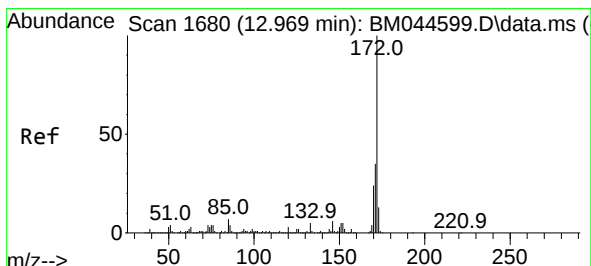
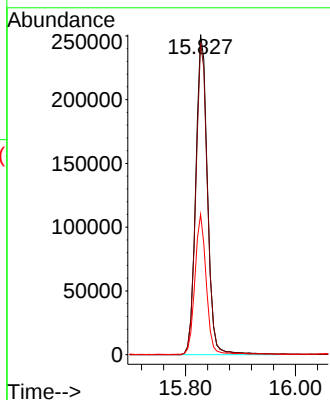
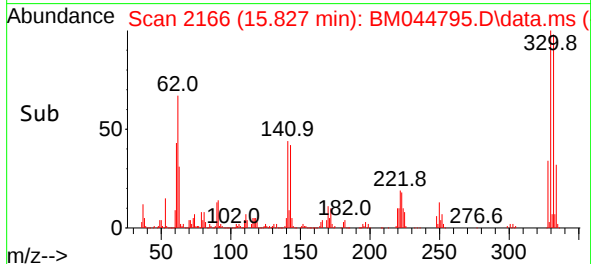


Tgt Ion:330 Resp: 371340
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.8
141 42.4 33.4 50.0

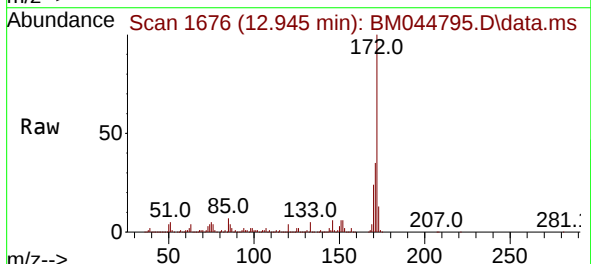
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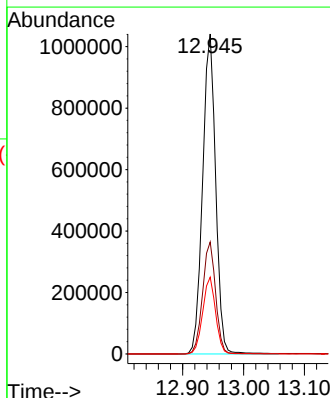
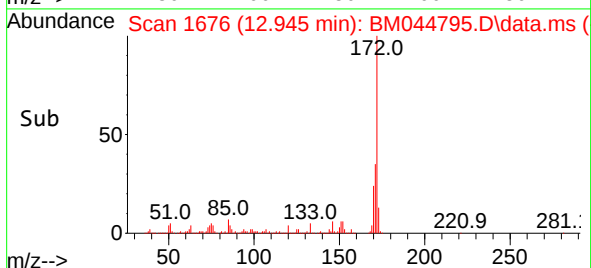
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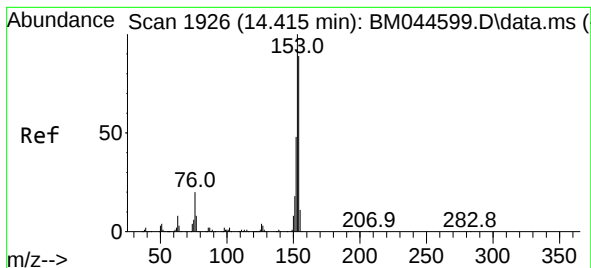


#45
2-Fluorobiphenyl
Concen: 49.270 ng
RT: 12.945 min Scan# 1676
Delta R.T. -0.023 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47



Tgt Ion:172 Resp: 1549838
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 24.0 19.0 28.6





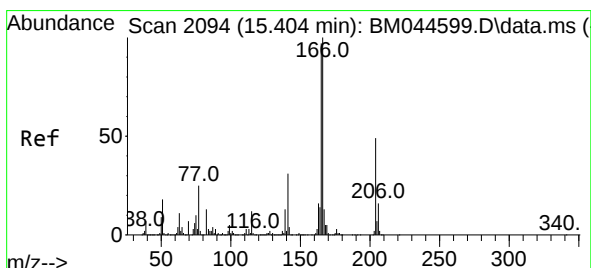
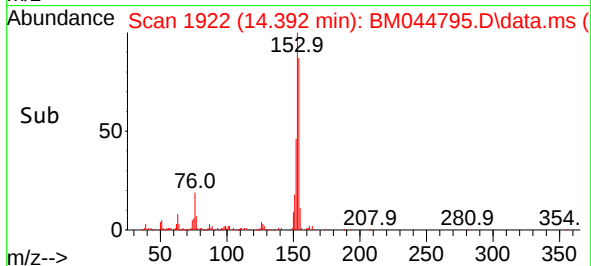
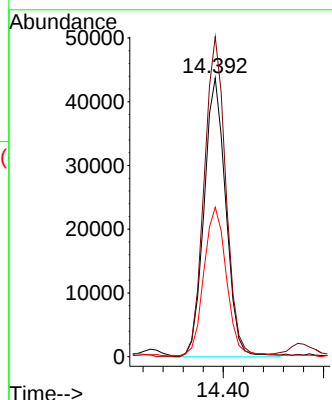
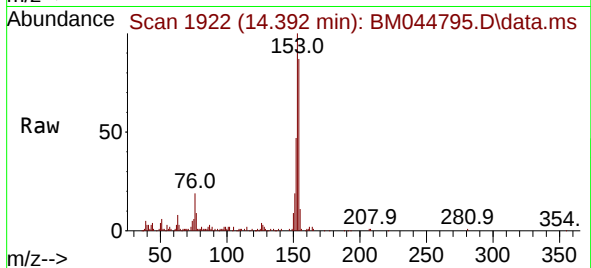
#52
Acenaphthene
Concen: 2.671 ng
RT: 14.392 min Scan# 1926
Delta R.T. -0.023 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Instrument :
BNA_M
ClientSampleId :
EXTRA-PILE

Tgt Ion:154 Resp: 6589
Ion Ratio Lower Upper
154 100
153 114.8 90.3 135.5
152 53.6 43.1 64.7

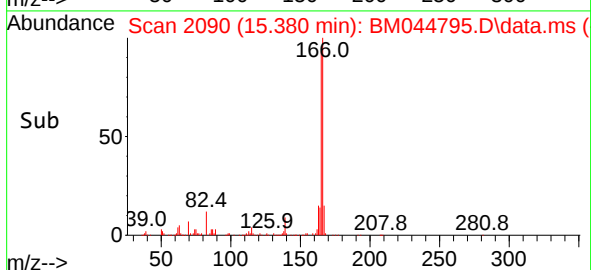
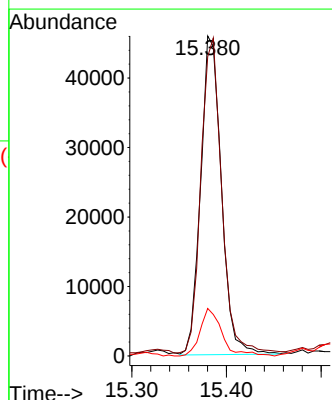
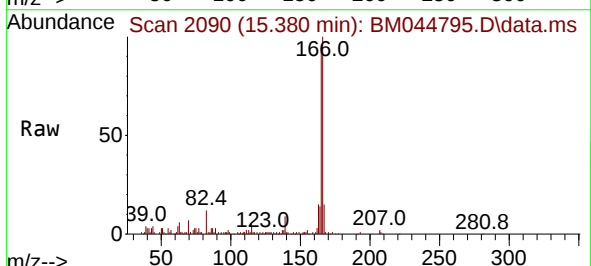
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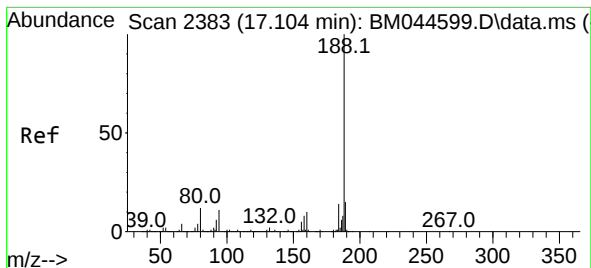
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#58
Fluorene
Concen: 2.289 ng
RT: 15.380 min Scan# 2090
Delta R.T. -0.023 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Tgt Ion:166 Resp: 69798
Ion Ratio Lower Upper
166 100
165 93.6 77.7 116.5
167 14.8 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

Tgt Ion:188 Resp: 741120

Ion Ratio Lower Upper

188 100

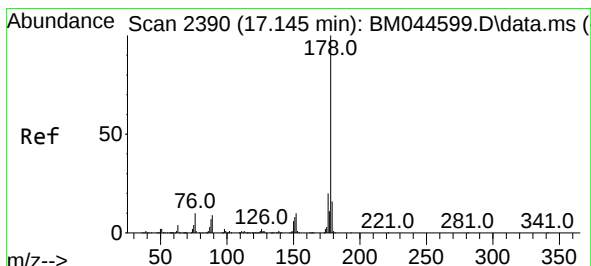
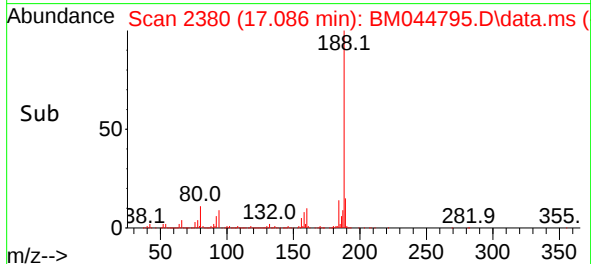
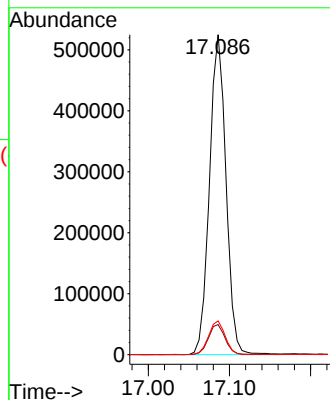
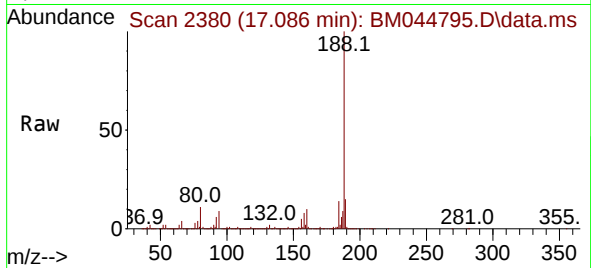
94 9.4 8.4 12.6

80 10.6 9.4 14.0

Manual Integrations

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#71

Phenanthrene

Concen: 21.377 ng

RT: 17.127 min Scan# 2387

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

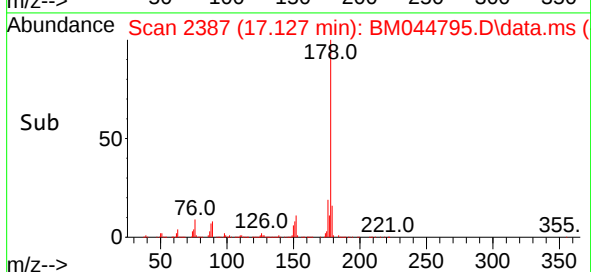
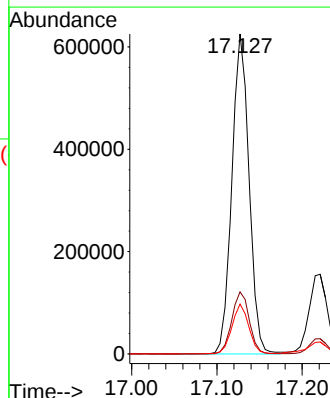
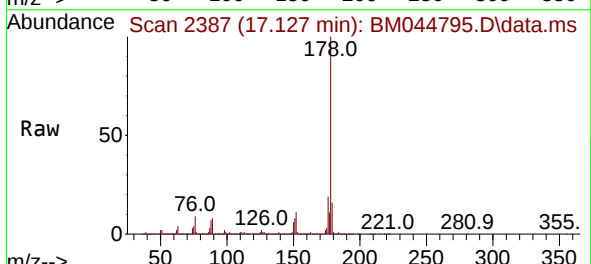
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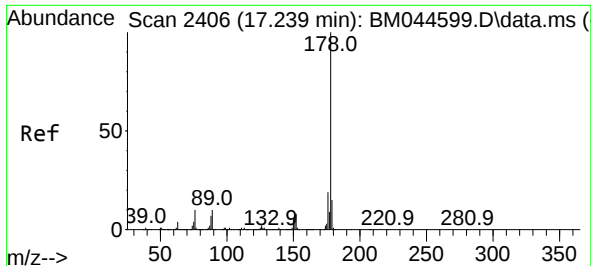
Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

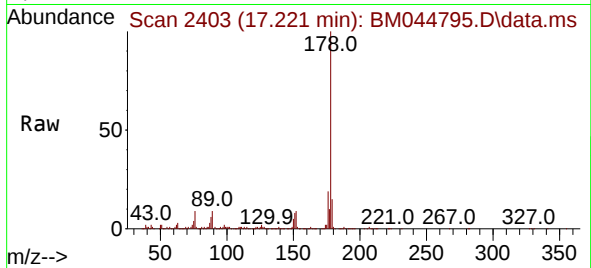
179 15.6 12.4 18.6





#72
 Anthracene
 Concen: 5.575 ng
 RT: 17.221 min Scan# 2403
 Delta R.T. -0.018 min
 Lab File: BM044795.D
 Acq: 28 Mar 2024 00:47

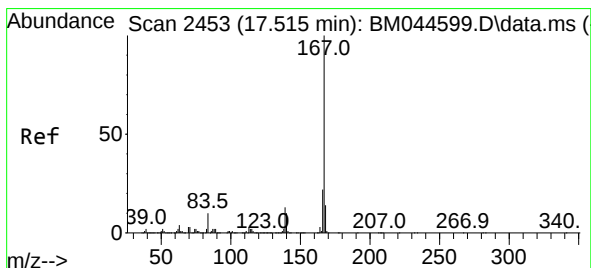
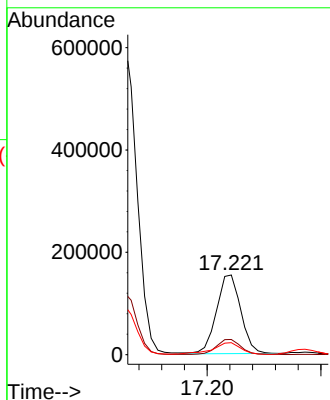
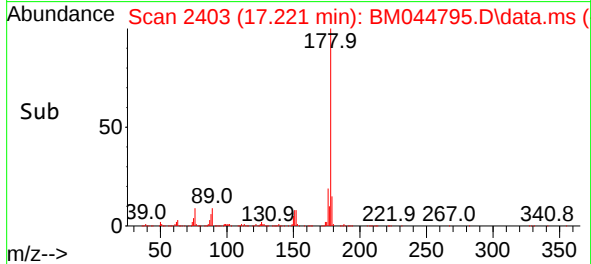
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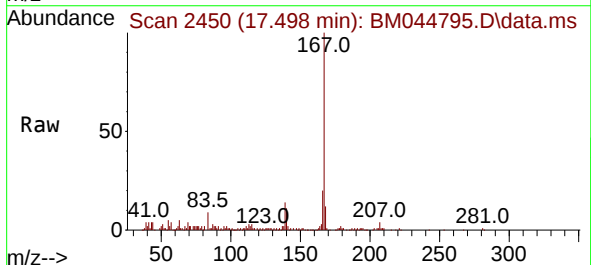
Tgt Ion:178 Resp: 229009
 Ion Ratio Lower Upper
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 179 15.1 12.2 18.4

Manual Integrations
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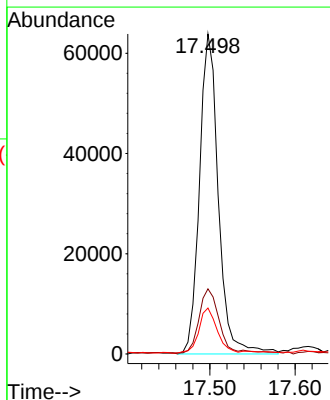
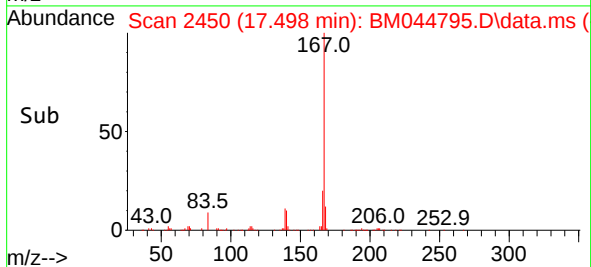
Reviewed By :Jagrut Upadhyay 03/28/2024
 Supervised By :mohammad ahmed 03/29/2024

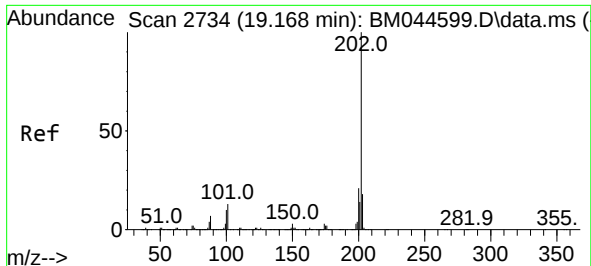


#73
 Carbazole
 Concen: 2.545 ng
 RT: 17.498 min Scan# 2450
 Delta R.T. -0.018 min
 Lab File: BM044795.D
 Acq: 28 Mar 2024 00:47



Tgt Ion:167 Resp: 98456
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.2 25.8
 139 14.4 10.6 15.8





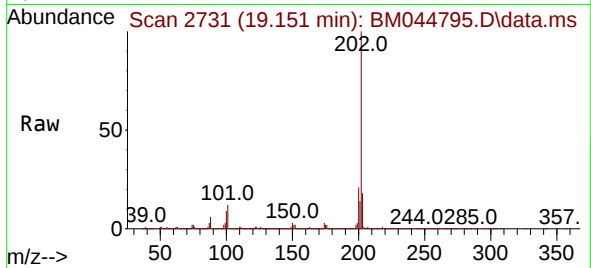
#75
Fluoranthene
Concen: 33.566 ng
RT: 19.151 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

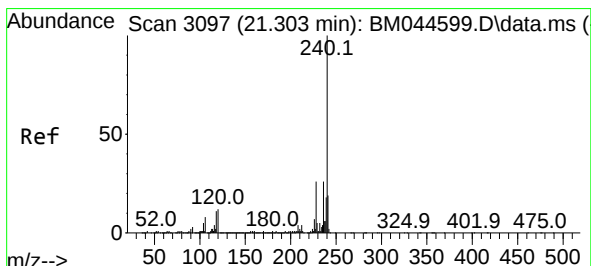
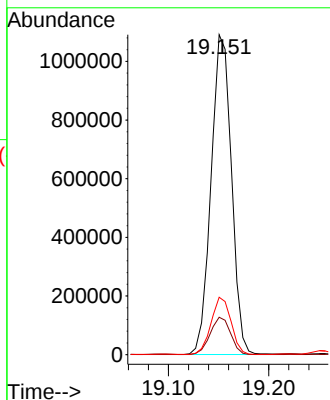
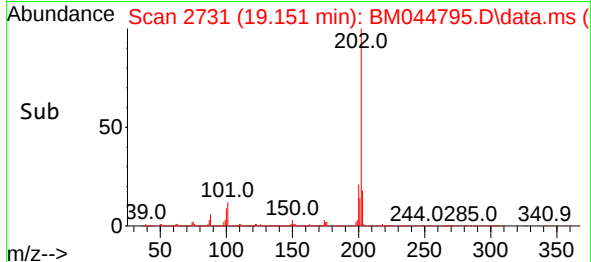


Tgt Ion:202 Resp: 1536749
Ion Ratio Lower Upper
202 100
101 11.7 0.0 33.3
203 17.9 0.0 37.7

Manual Integrations

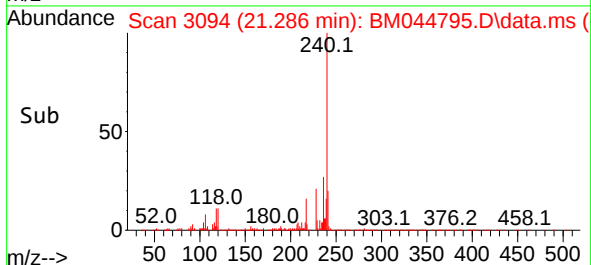
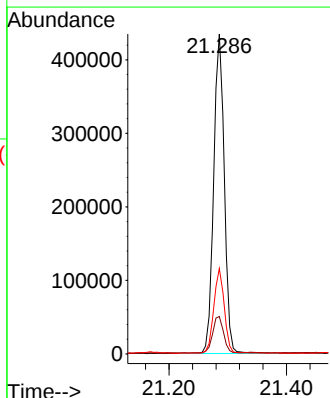
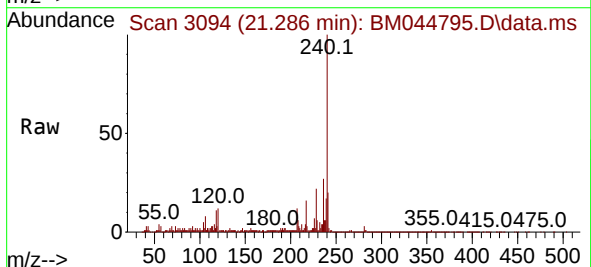
APPROVED

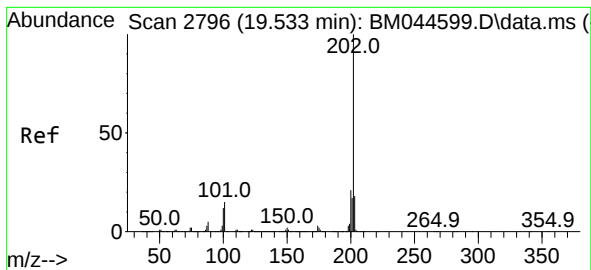
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.286 min Scan# 3094
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Tgt Ion:240 Resp: 546046
Ion Ratio Lower Upper
240 100
120 11.7 9.7 14.5
236 26.7 21.0 31.4





#78

Pyrene

Concen: 30.690 ng

RT: 19.515 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

Tgt Ion:202 Resp: 1228258

Ion Ratio Lower Upper

202 100

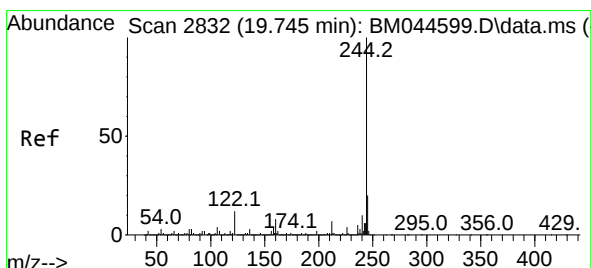
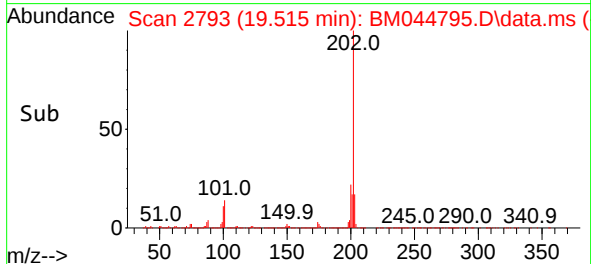
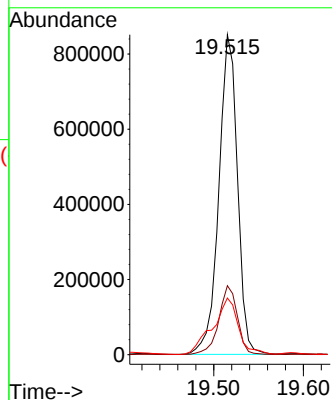
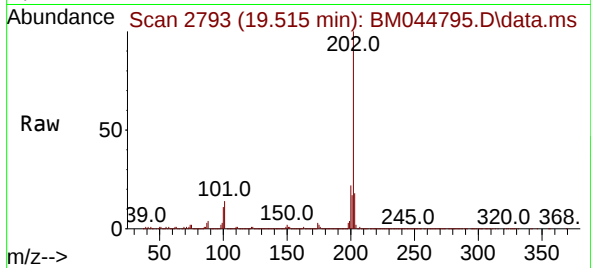
200 21.5 17.0 25.4

203 17.7 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#79

Terphenyl-d14

Concen: 49.312 ng

RT: 19.727 min Scan# 2829

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

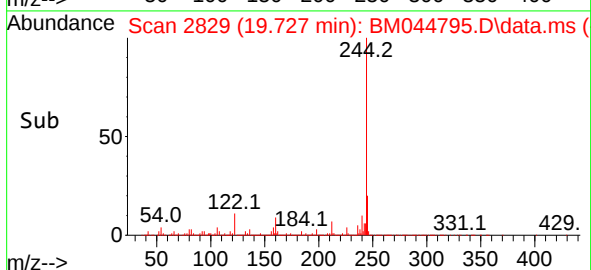
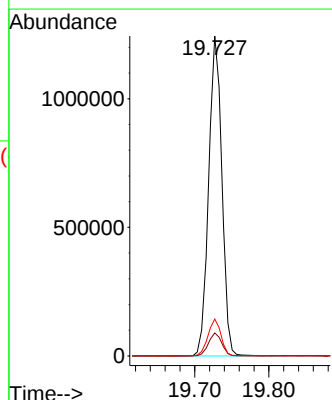
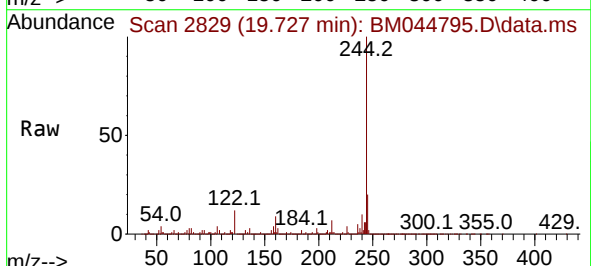
Tgt Ion:244 Resp: 1539247

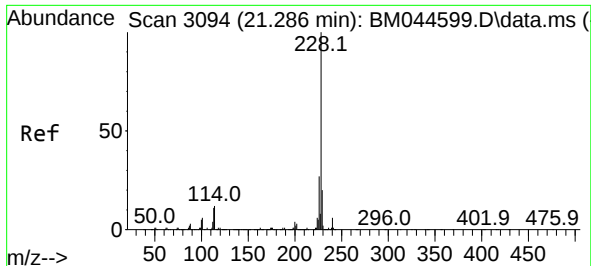
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 11.5 9.7 14.5





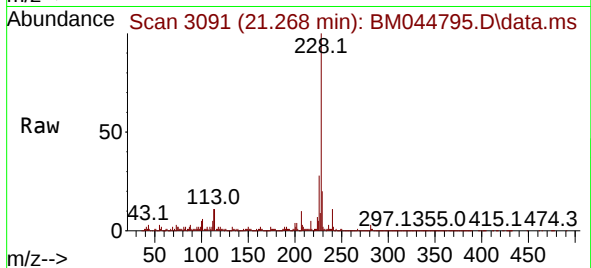
#81
Benzo(a)anthracene
Concen: 16.803 ng
RT: 21.268 min Scan# 3094
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE

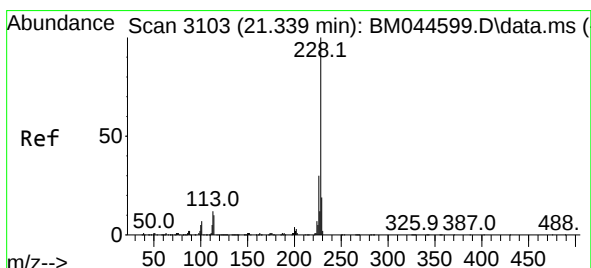
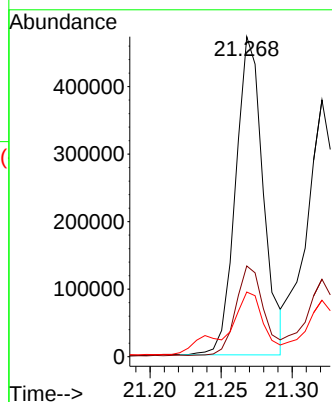
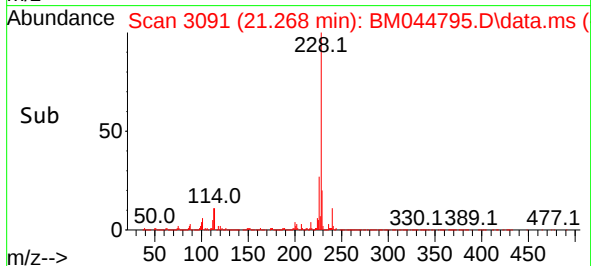


Tgt Ion:228 Resp: 638418
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 20.2 15.9 23.9

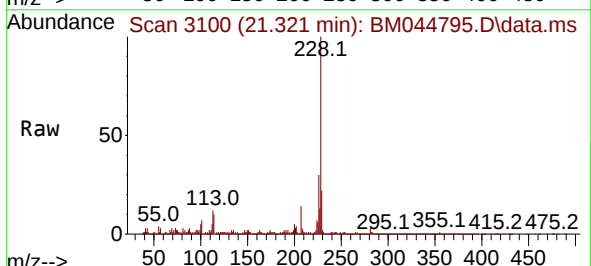
Manual Integrations

APPROVED

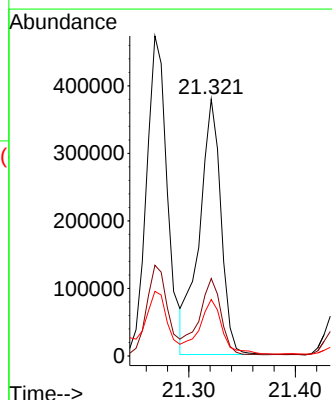
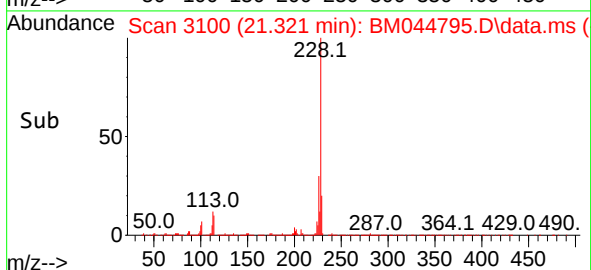
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024

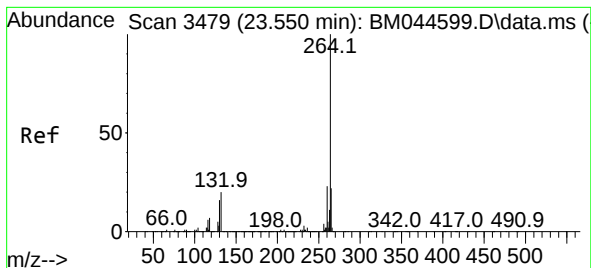


#83
Chrysene
Concen: 14.787 ng
RT: 21.321 min Scan# 3100
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47



Tgt Ion:228 Resp: 536841
Ion Ratio Lower Upper
228 100
226 30.2 23.6 35.4
229 22.0 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.533 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

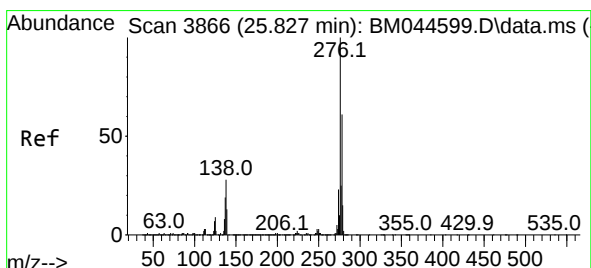
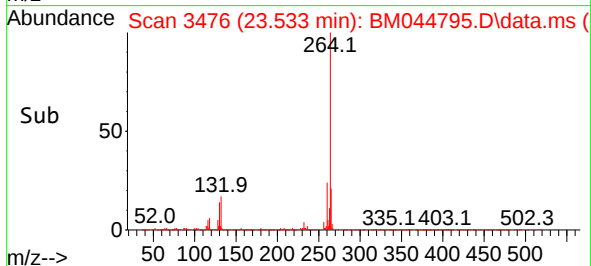
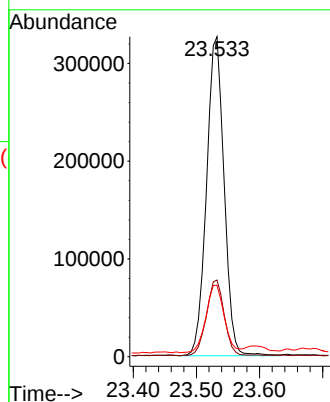
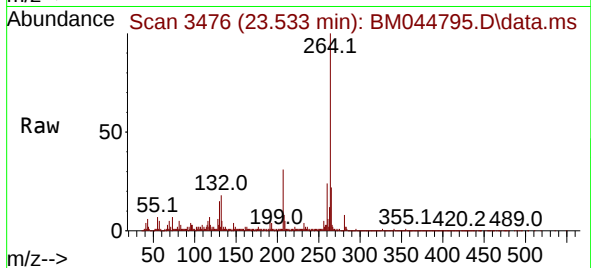
EXTRA-PILE

Tgt Ion:	264	Resp:	63012
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.3	27.5
265	22.3	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.317 ng

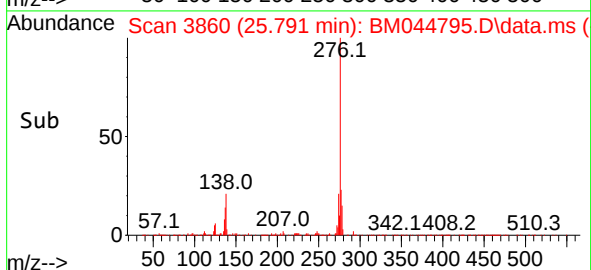
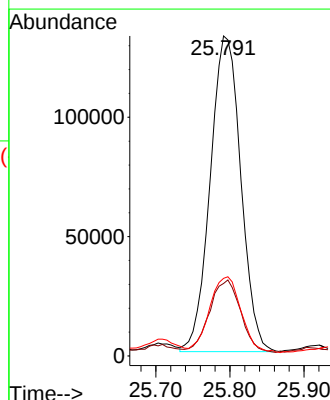
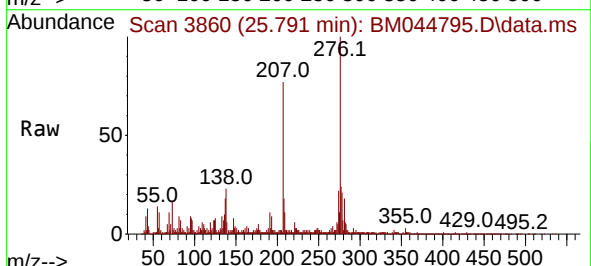
RT: 25.791 min Scan# 3860

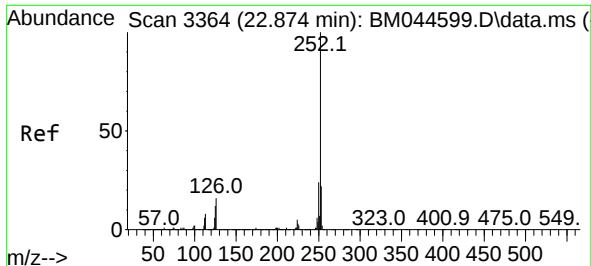
Delta R.T. -0.035 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

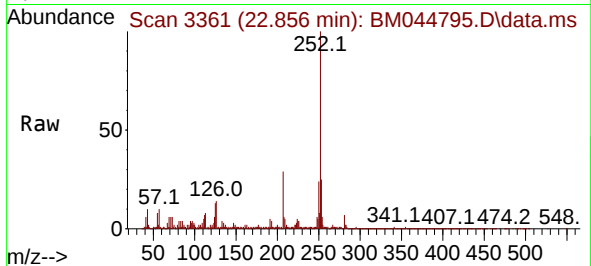
Tgt Ion:	276	Resp:	378854
Ion Ratio	Lower	Upper	
276	100		
138	23.4	23.6	35.4#
277	24.9	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 20.871 ng m
RT: 22.856 min Scan# 3361
Delta R.T. -0.018 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47

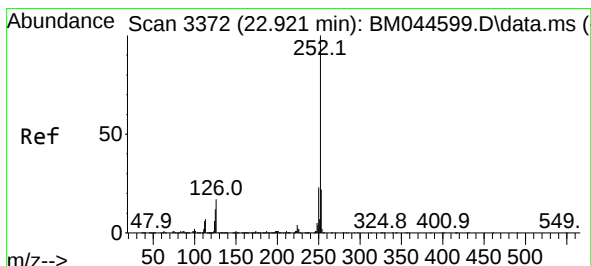
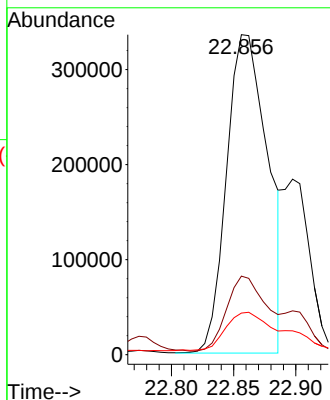
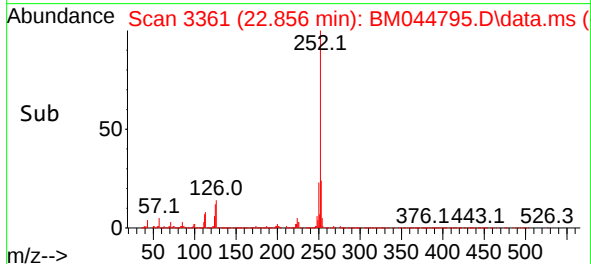
Instrument :
BNA_M
ClientSampleId :
EXTRA-PILE



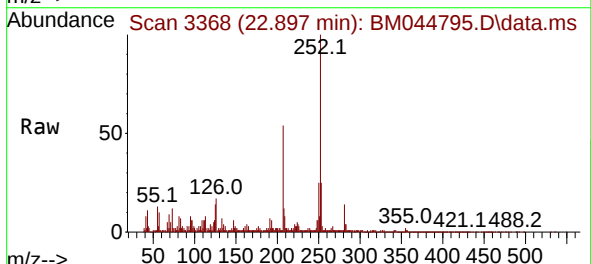
Tgt Ion:252 Resp: 77286
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 13.0 9.6 14.4

Manual Integrations
APPROVED

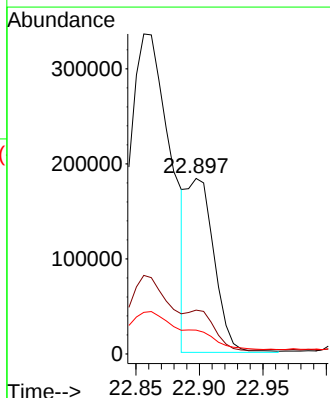
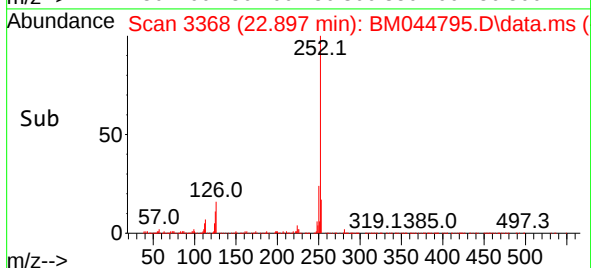
Reviewed By :Jagrut Upadhyay 03/28/2024
Supervised By :mohammad ahmed 03/29/2024

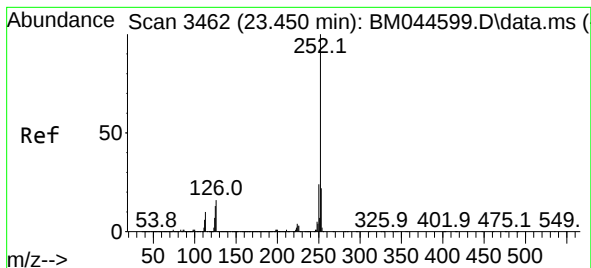


#89
Benzo(k)fluoranthene
Concen: 7.207 ng m
RT: 22.897 min Scan# 3368
Delta R.T. -0.023 min
Lab File: BM044795.D
Acq: 28 Mar 2024 00:47



Tgt Ion:252 Resp: 274367
Ion Ratio Lower Upper
252 100
253 24.9 17.6 26.4
125 13.6 9.4 14.0





#90

Benzo(a)pyrene

Concen: 15.329 ng

RT: 23.433 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

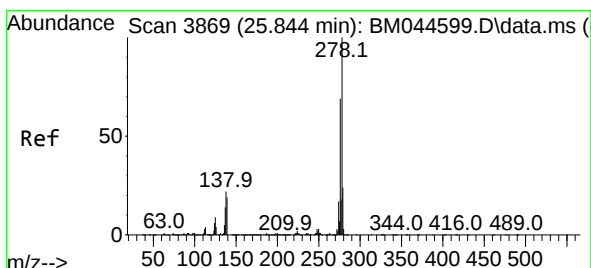
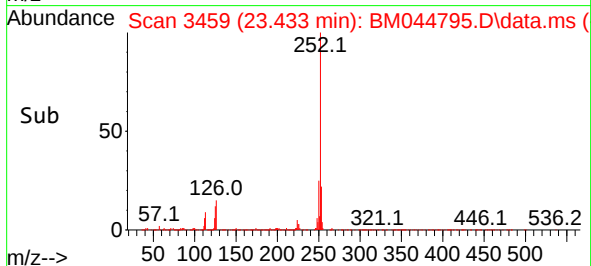
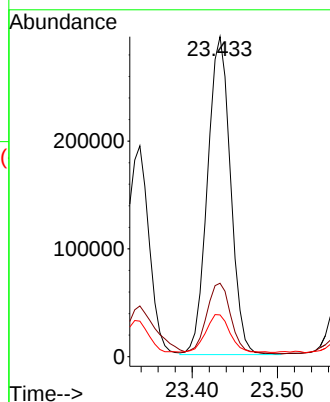
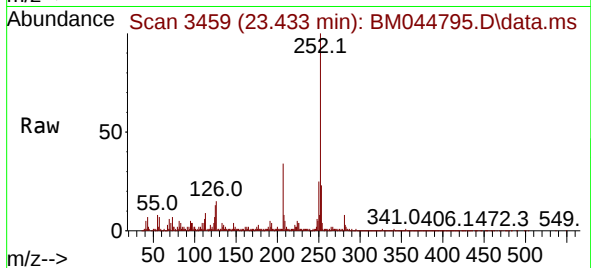
EXTRA-PILE

Tgt Ion:252 Resp: 553669
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.7 26.5
 125 13.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/28/2024
 Supervised By :mohammad ahmed 03/29/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.528 ng

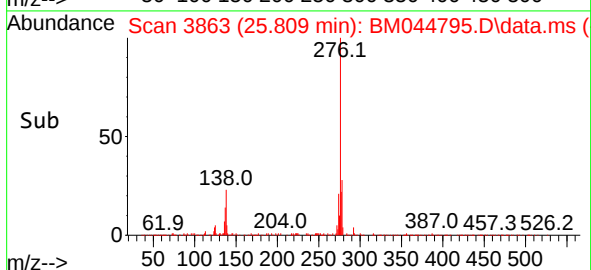
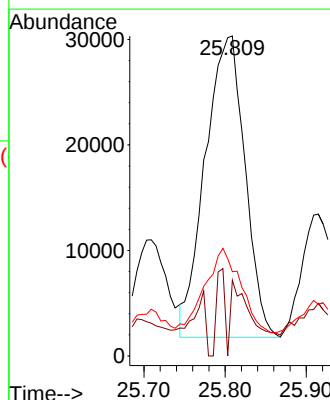
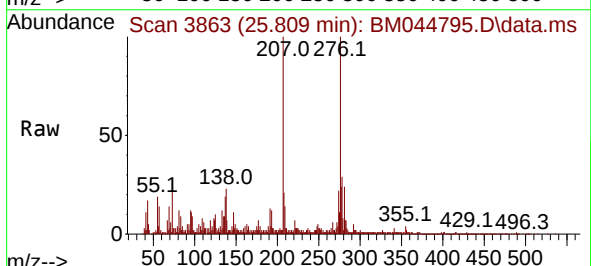
RT: 25.809 min Scan# 3863

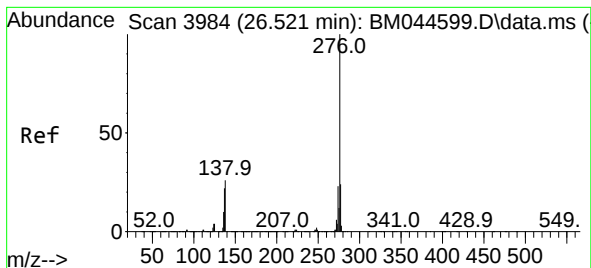
Delta R.T. -0.035 min

Lab File: BM044795.D

Acq: 28 Mar 2024 00:47

Tgt Ion:278 Resp: 97067
 Ion Ratio Lower Upper
 278 100
 139 23.7 15.0 22.6#
 279 26.4 19.3 28.9





#92

Benzo(g,h,i)perylene

Concen: 9.384 ng

RT: 26.491 min Scan# 3984

Delta R.T. -0.029 min

Lab File: BM044795.D

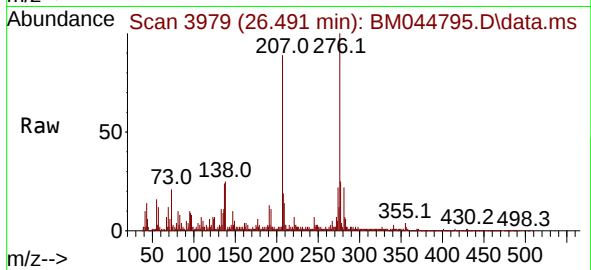
Acq: 28 Mar 2024 00:47

Instrument :

BNA_M

ClientSampleId :

EXTRA-PILE



Tgt Ion:276 Resp: 35474

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 24.6 20.7 31.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/28/2024

Supervised By :mohammad ahmed 03/29/2024

