

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
 Data File : BM041192.D
 Acq On : 31 Jul 2023 16:48
 Operator : MA/JU
 Sample : 03770-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DEL-1-RP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/01/2023
 Supervised By :mohammad ahmed 08/01/2023

Quant Time: Jul 31 17:38:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 16:29:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	119967	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	470454	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	265335	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	559319	20.000	ng	0.00
76) Chrysene-d12	21.421	240	544264	20.000	ng	0.00
86) Perylene-d12	23.791	264	613623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	753269	93.845	ng	0.00
7) Phenol-d6	6.975	99	972249	93.444	ng	0.00
23) Nitrobenzene-d5	8.975	82	592305	58.550	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	366556	97.669	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1199396	57.103	ng	0.00
79) Terphenyl-d14	19.856	244	1839429	61.106	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.262	178	222234	7.151	ng	99
75) Fluoranthene	19.286	202	486567	13.936	ng	99
78) Pyrene	19.651	202	422088	11.090	ng	99
81) Benzo(a)anthracene	21.409	228	245529	6.654	ng	99
83) Chrysene	21.462	228	226049	6.334	ng	97
84) Bis(2-ethylhexyl)phtha...	21.333	149	11808	3.046	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.227	276	173013	3.835	ng	95
88) Benzo(b)fluoranthene	23.074	252	332113	9.111	ng	98
89) Benzo(k)fluoranthene	23.115	252	123699m	3.317	ng	
90) Benzo(a)pyrene	23.686	252	224822	6.419	ng	97
92) Benzo(g,h,i)perylene	26.985	276	165553	4.496	ng	99

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

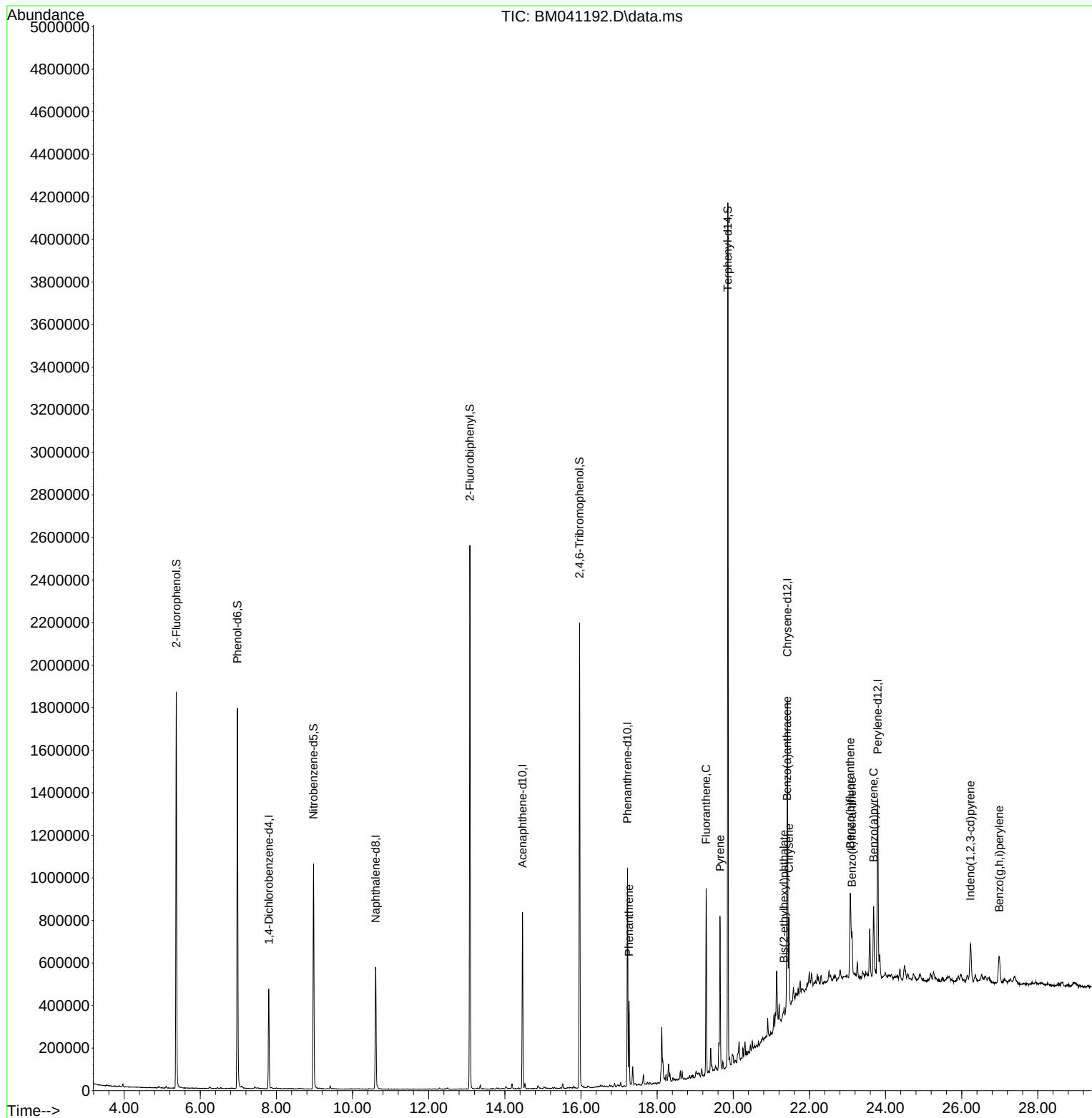
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041192.D
Acq On : 31 Jul 2023 16:48
Operator : MA/JU
Sample : 03770-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

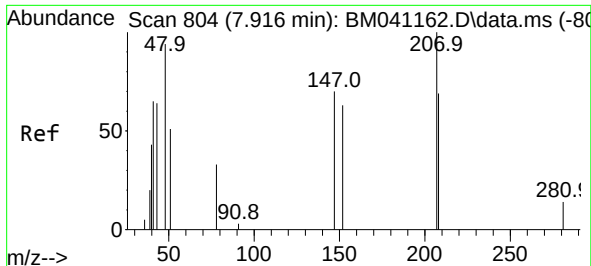
Instrument :
BNA_M
ClientSampleId :
DEL-1-RP

Quant Time: Jul 31 17:38:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
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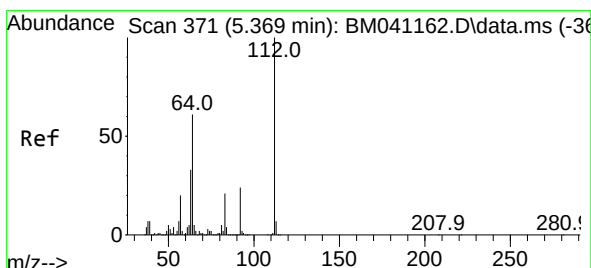
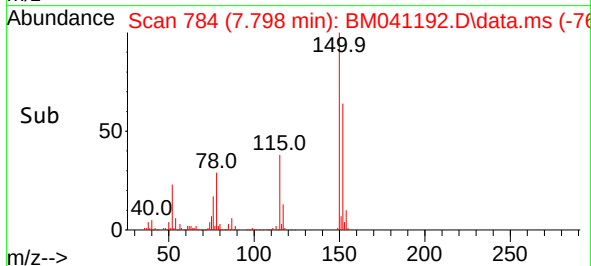
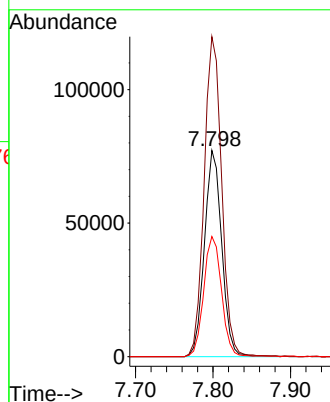
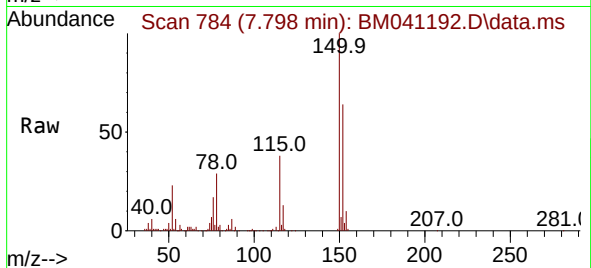
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

Instrument :
BNA_M
ClientSampleId :
DEL-1-RP

Tgt Ion:152 Resp: 11996
Ion Ratio Lower Upper
152 100
150 155.2 125.5 188.3
115 58.3 48.0 72.0

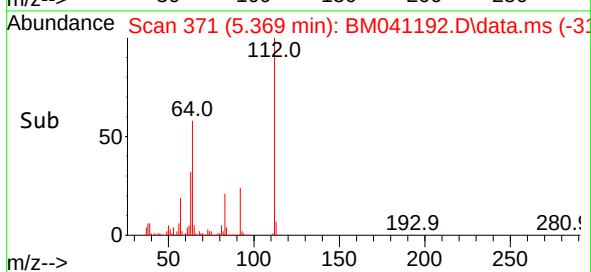
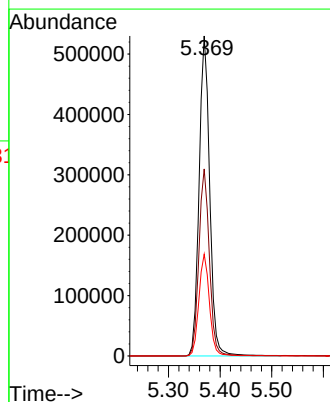
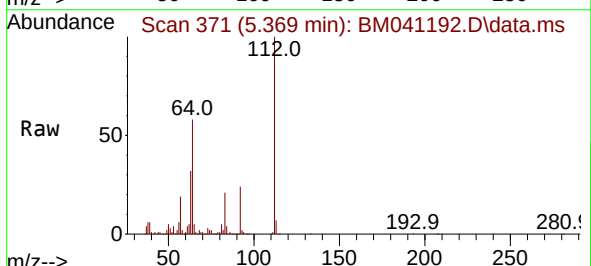
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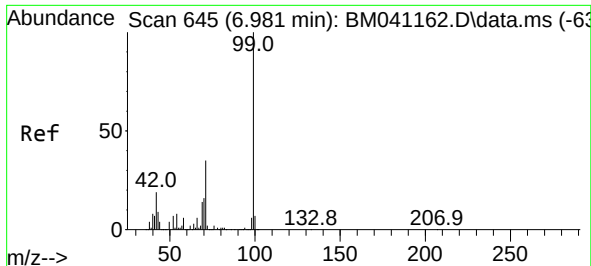
Reviewed By :Yogesh Patel 08/01/2023
Supervised By :mohammad ahmed 08/01/2023



#5
2-Fluorophenol
Concen: 93.845 ng
RT: 5.369 min Scan# 371
Delta R.T. 0.006 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

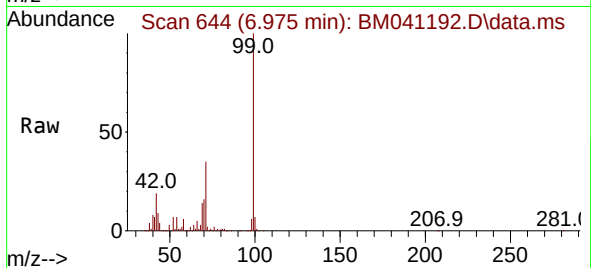
Tgt Ion:112 Resp: 753269
Ion Ratio Lower Upper
112 100
64 58.5 48.5 72.7
63 31.8 26.5 39.7





#7
Phenol-d6
Concen: 93.444 ng
RT: 6.975 min Scan# 645
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

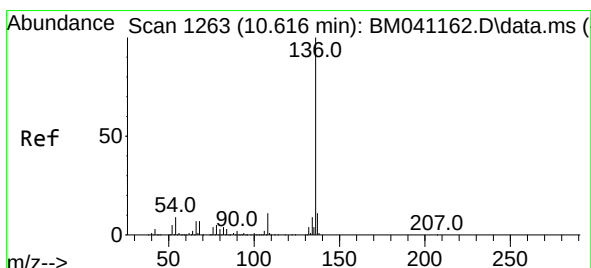
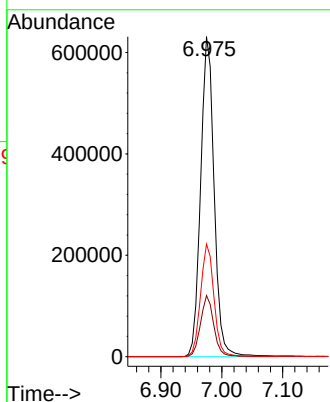
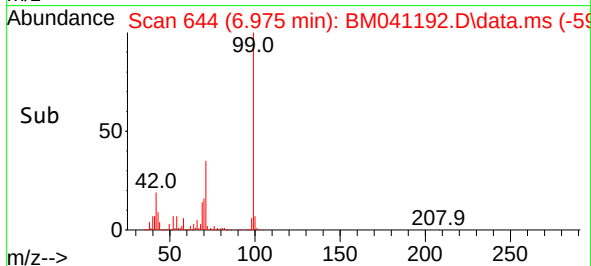
Instrument :
BNA_M
ClientSampleId :
DEL-1-RP



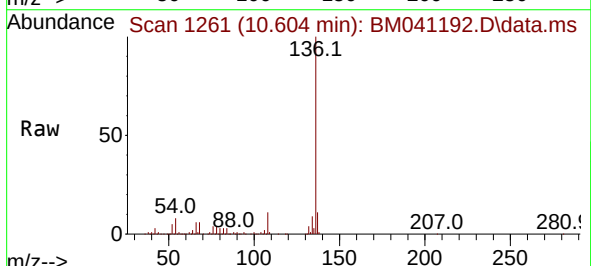
Tgt Ion: 99 Resp: 972249
Ion Ratio Lower Upper
99 100
42 19.1 15.4 23.0
71 35.2 28.2 42.4

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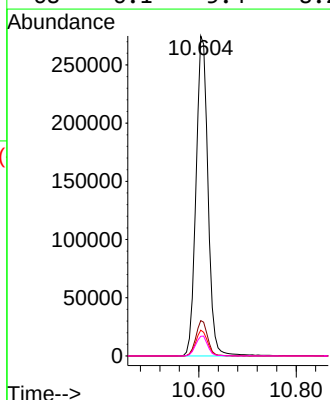
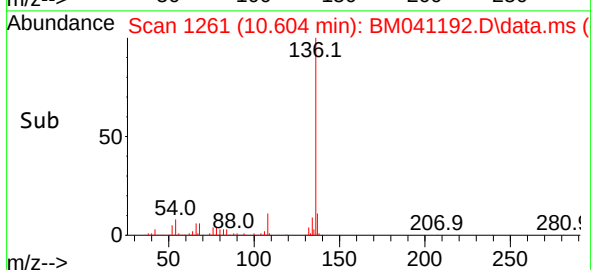
Reviewed By :Yogesh Patel 08/01/2023
Supervised By :mohammad ahmed 08/01/2023

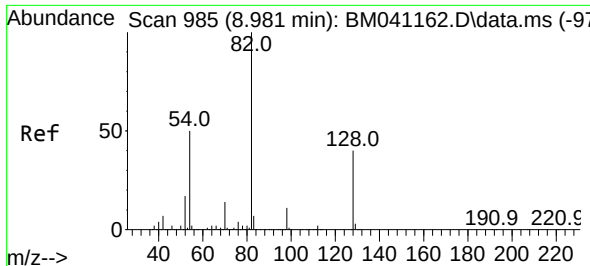


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48



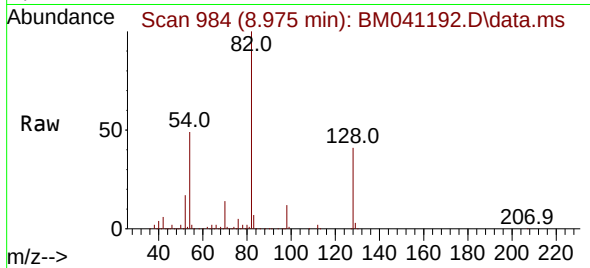
Tgt Ion:136 Resp: 470454
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.1 6.9 10.3
68 6.1 5.4 8.2





#23
Nitrobenzene-d5
Concen: 58.550 ng
RT: 8.975 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

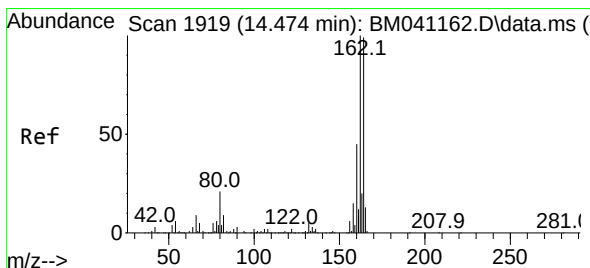
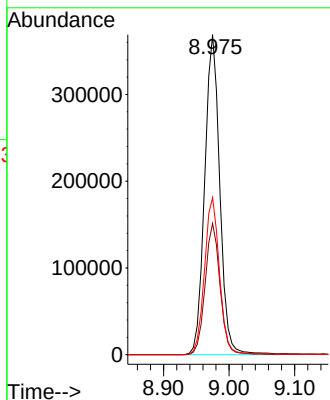
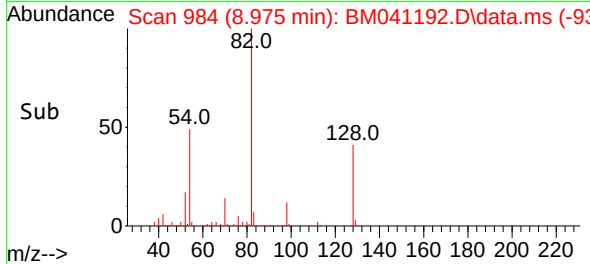
Instrument :
BNA_M
ClientSampleId :
DEL-1-RP



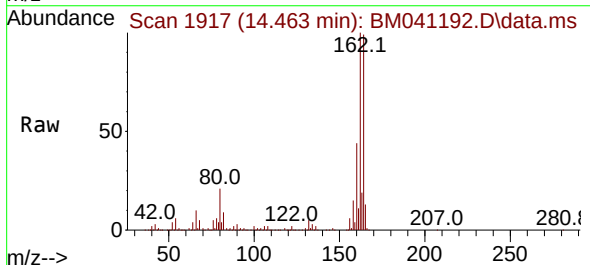
Tgt Ion: 82 Resp: 59230
Ion Ratio Lower Upper
82 100
128 41.0 31.8 47.6
54 49.1 40.1 60.1

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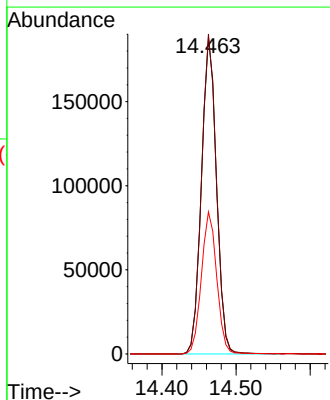
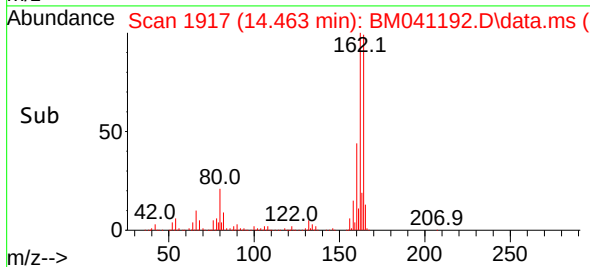
Reviewed By :Yogesh Patel 08/01/2023
Supervised By :mohammad ahmed 08/01/2023

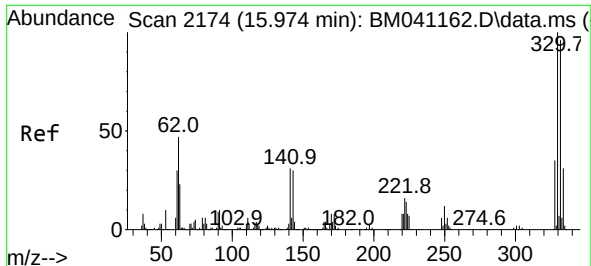


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48



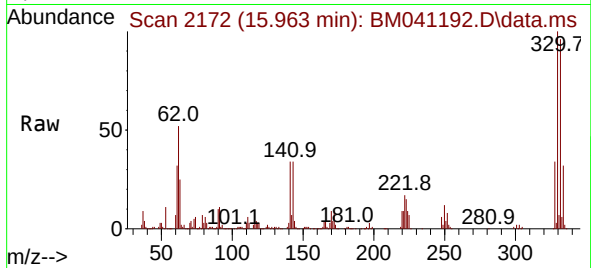
Tgt Ion:164 Resp: 265335
Ion Ratio Lower Upper
164 100
162 101.2 80.4 120.6
160 45.0 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 97.669 ng
RT: 15.963 min Scan# 2174
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

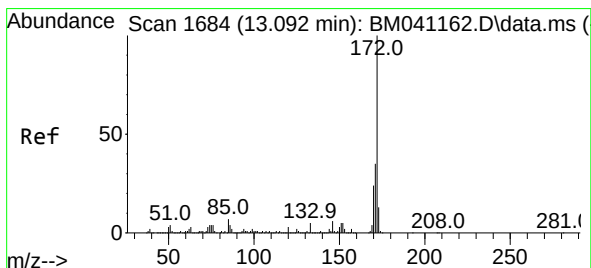
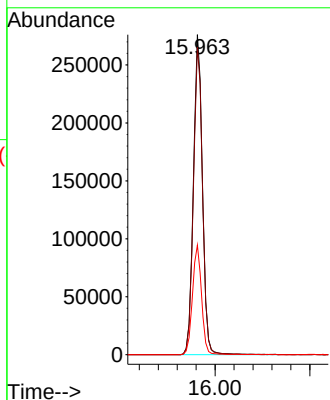
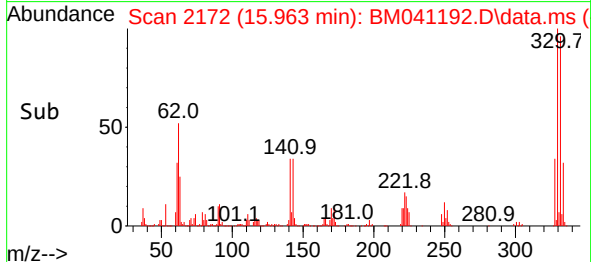
Instrument :
BNA_M
ClientSampleId :
DEL-1-RP



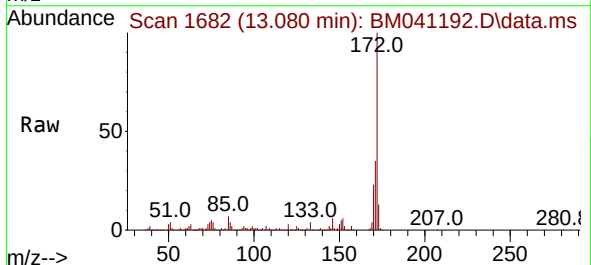
Tgt Ion: 330 Resp: 366550
Ion Ratio Lower Upper
330 100
332 96.8 77.7 116.5
141 34.4 28.3 42.5

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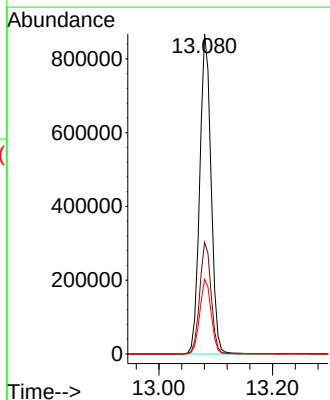
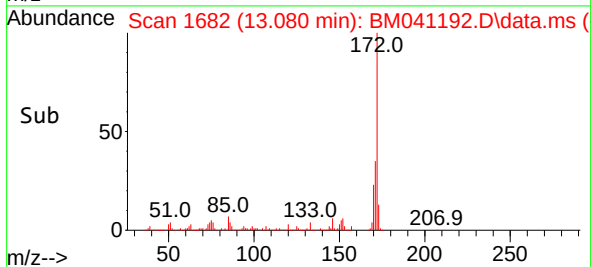
Reviewed By : Yogesh Patel 08/01/2023
Supervised By : mohammad ahmed 08/01/2023

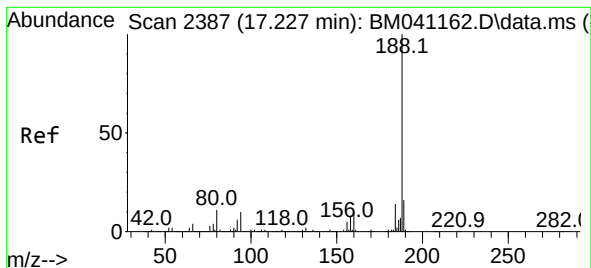


#45
2-Fluorobiphenyl
Concen: 57.103 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48



Tgt Ion: 172 Resp: 1199396
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.4 18.9 28.3





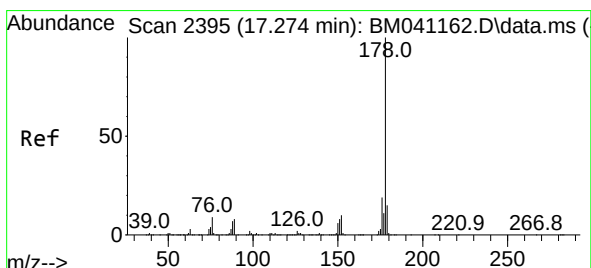
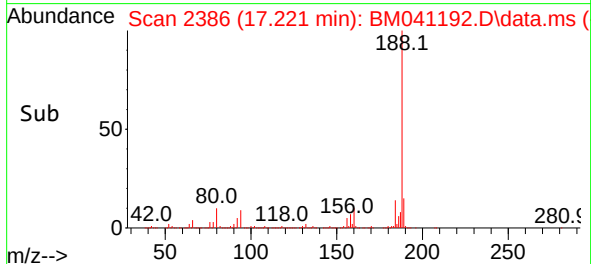
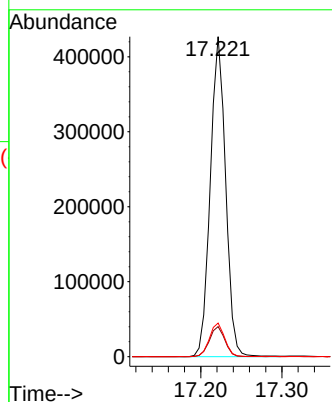
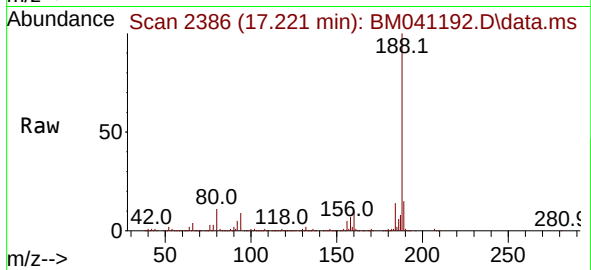
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

Instrument :
BNA_M
ClientSampleId :
DEL-1-RP

Tgt Ion:188 Resp: 559319
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.2
80 10.5 8.6 13.0

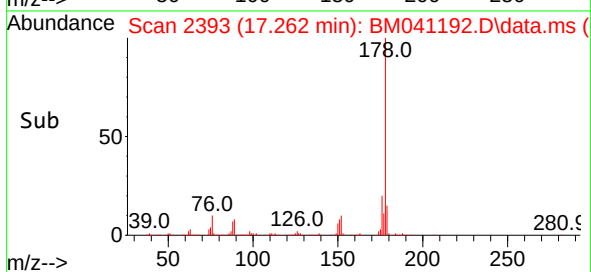
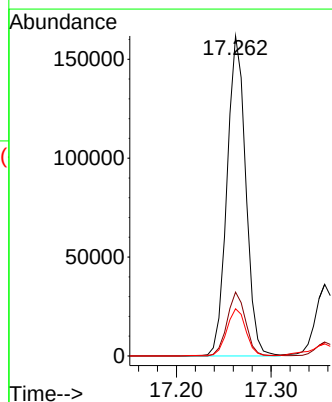
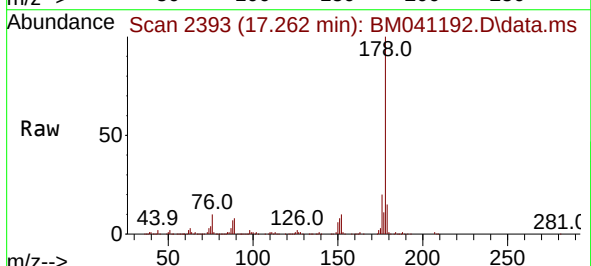
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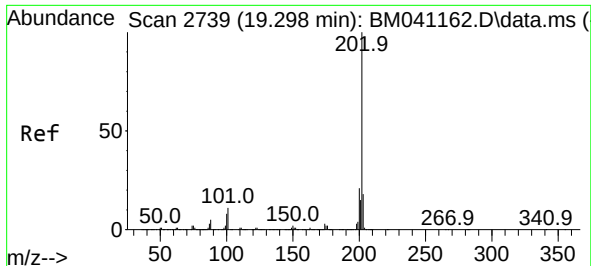
Reviewed By :Yogesh Patel 08/01/2023
Supervised By :mohammad ahmed 08/01/2023



#71
Phenanthrene
Concen: 7.151 ng
RT: 17.262 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

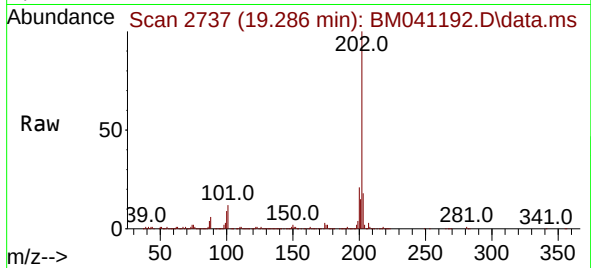
Tgt Ion:178 Resp: 222234
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 14.8 12.1 18.1





#75
Fluoranthene
Concen: 13.936 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

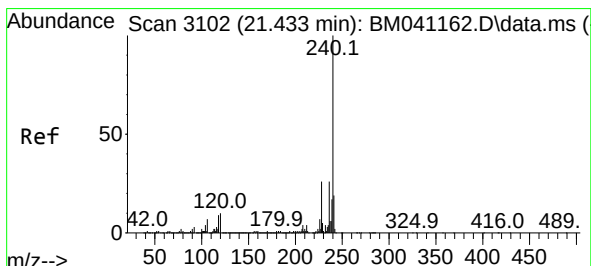
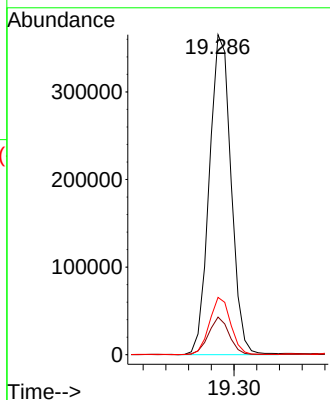
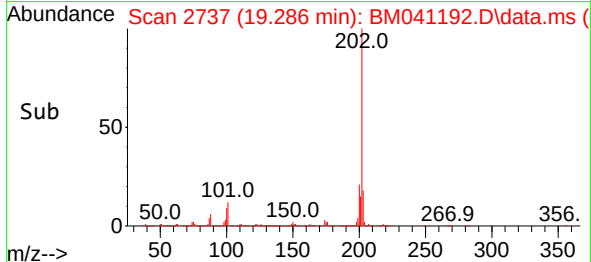
Instrument :
BNA_M
ClientSampleId :
DEL-1-RP



Tgt Ion:202 Resp: 48656
Ion Ratio Lower Upper
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101 11.7 0.0 30.8
203 17.9 0.0 37.6

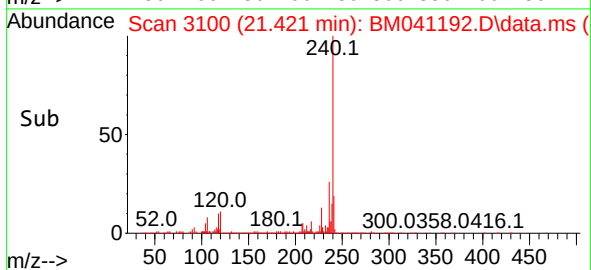
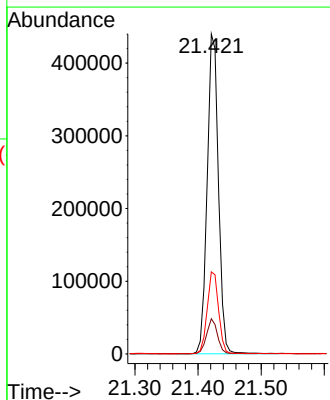
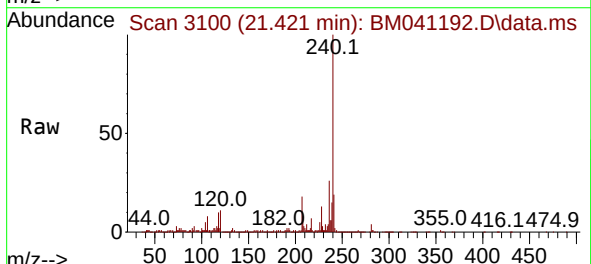
Manual Integrations
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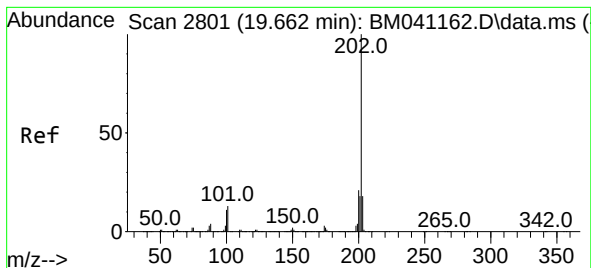
Reviewed By :Yogesh Patel 08/01/2023
Supervised By :mohammad ahmed 08/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

Tgt Ion:240 Resp: 544264
Ion Ratio Lower Upper
240 100
120 11.0 8.3 12.5
236 25.7 20.6 30.8





#78

Pyrene

Concen: 11.090 ng

RT: 19.651 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

Instrument :

BNA_M

ClientSampleId :

DEL-1-RP

Tgt Ion:202 Resp: 422088

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

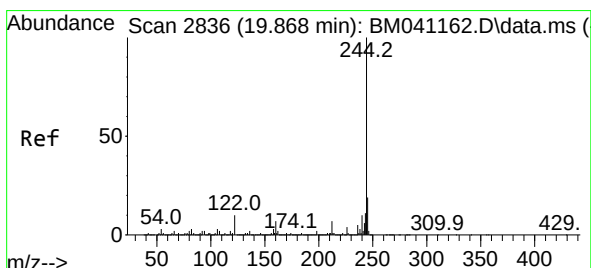
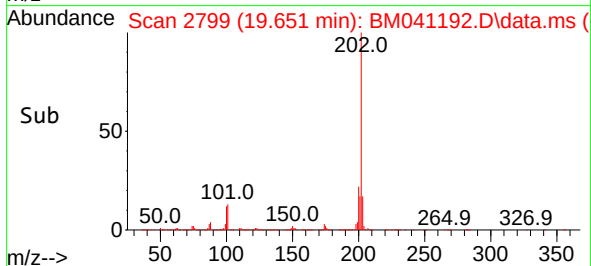
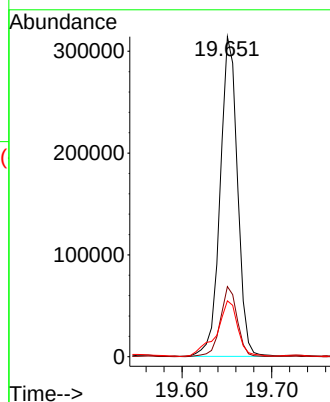
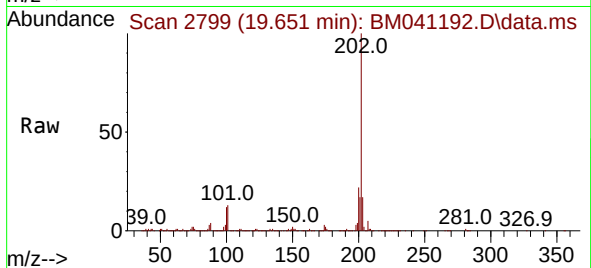
203 17.4 14.1 21.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/01/2023

Supervised By :mohammad ahmed 08/01/2023



#79

Terphenyl-d14

Concen: 61.106 ng

RT: 19.856 min Scan# 2834

Delta R.T. -0.006 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

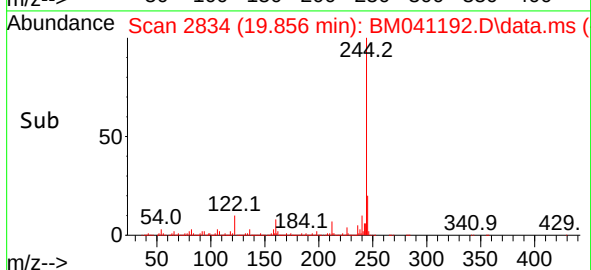
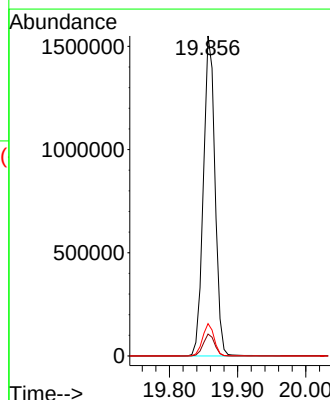
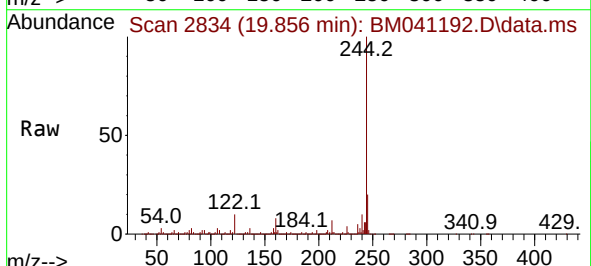
Tgt Ion:244 Resp: 1839429

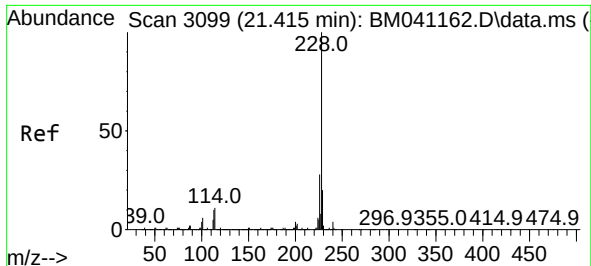
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

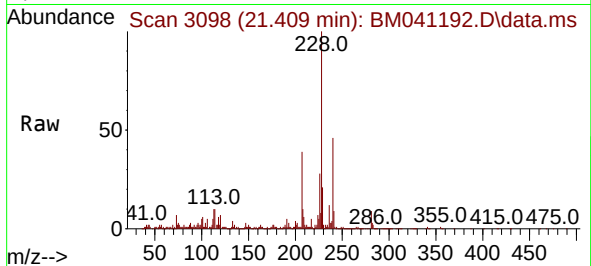
122 10.1 7.8 11.6





#81
Benzo(a)anthracene
Concen: 6.654 ng
RT: 21.409 min Scan# 3098
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

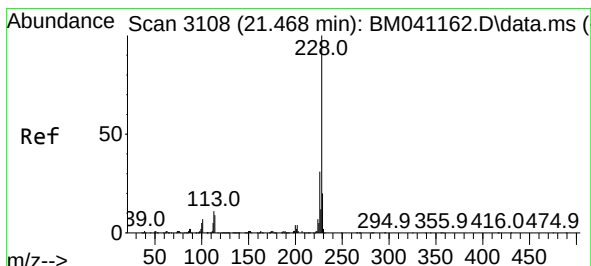
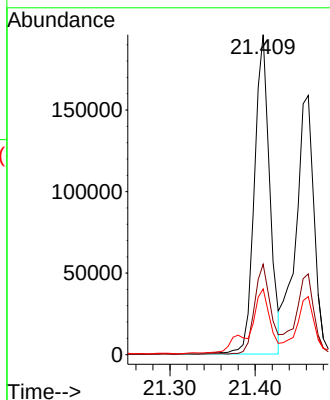
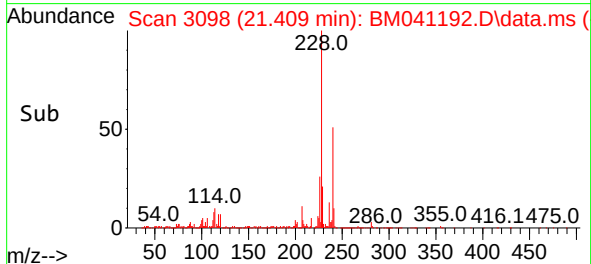
Instrument :
BNA_M
ClientSampleId :
DEL-1-RP



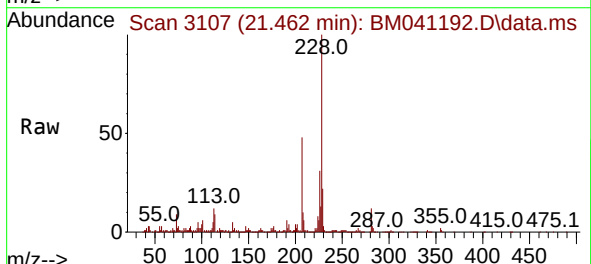
Tgt Ion:228 Resp: 245529
Ion Ratio Lower Upper
228 100
226 28.3 22.4 33.6
229 20.6 15.8 23.8

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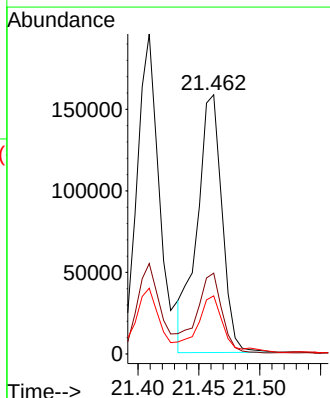
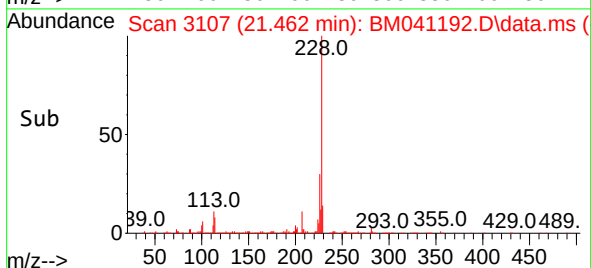
Reviewed By :Yogesh Patel 08/01/2023
Supervised By :mohammad ahmed 08/01/2023

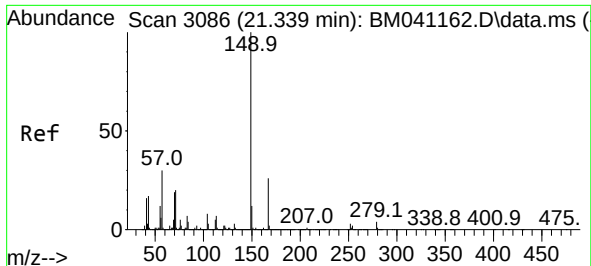


#83
Chrysene
Concen: 6.334 ng
RT: 21.462 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48



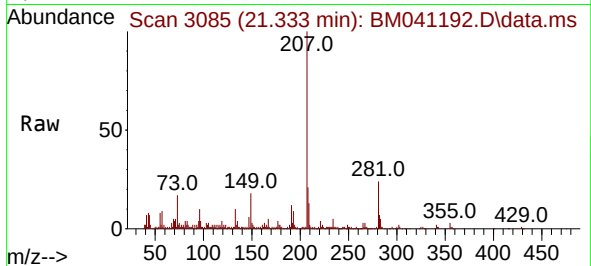
Tgt Ion:228 Resp: 226049
Ion Ratio Lower Upper
228 100
226 31.2 24.5 36.7
229 22.4 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.046 ng
RT: 21.333 min Scan# 3085
Delta R.T. -0.006 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

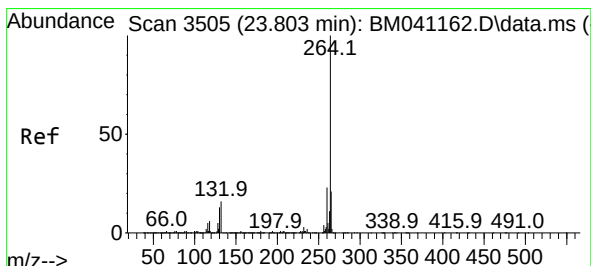
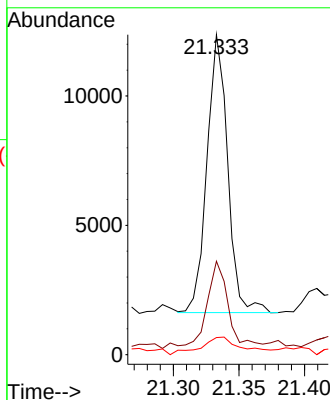
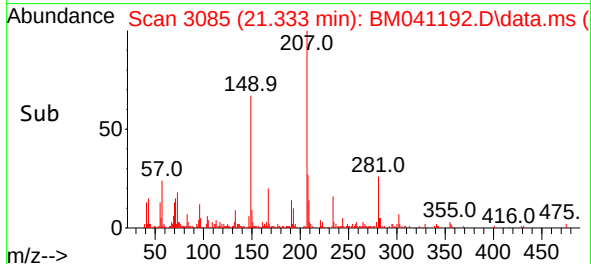
Instrument :
BNA_M
ClientSampleId :
DEL-1-RP



Tgt Ion:149 Resp: 11808
Ion Ratio Lower Upper
149 100
167 29.2 21.0 31.6
279 5.4 3.1 4.7

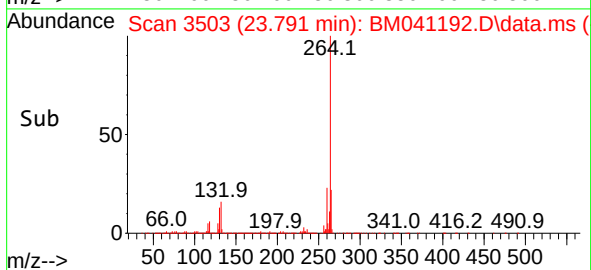
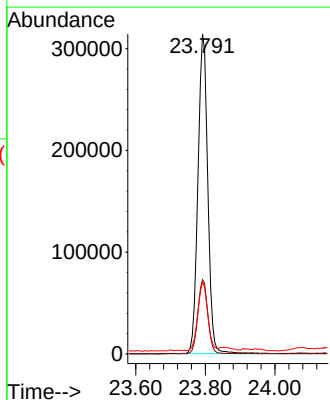
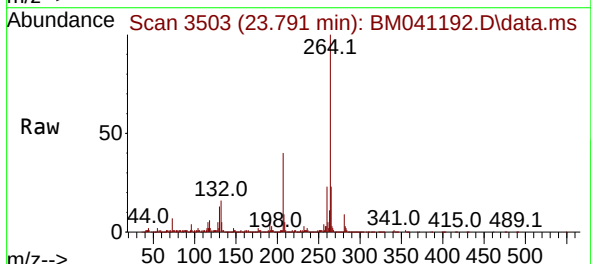
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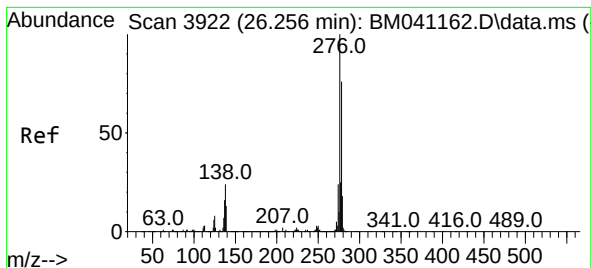
Reviewed By :Yogesh Patel 08/01/2023
Supervised By :mohammad ahmed 08/01/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.791 min Scan# 3503
Delta R.T. -0.006 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

Tgt Ion:264 Resp: 613623
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.835 ng

RT: 26.227 min Scan# 3917

Delta R.T. -0.018 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

Instrument :

BNA_M

ClientSampleId :

DEL-1-RP

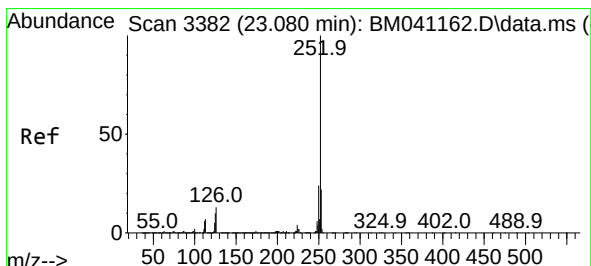
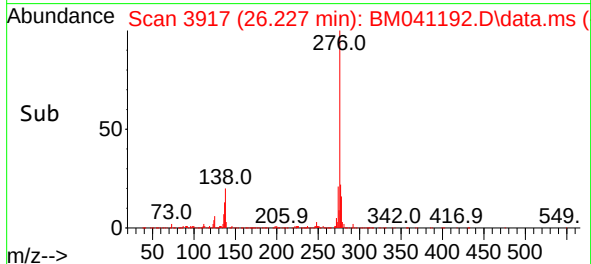
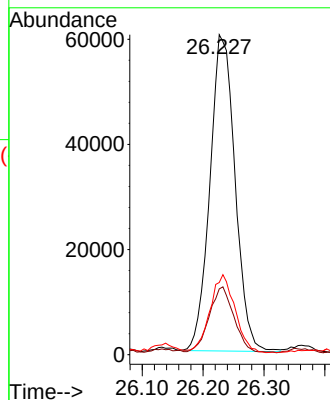
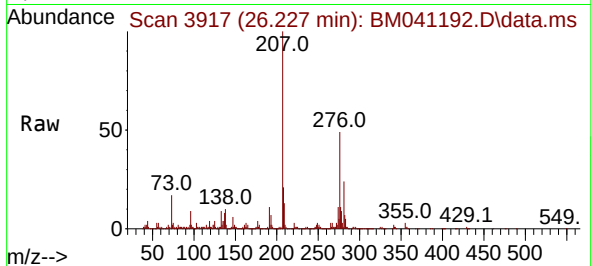
Tgt Ion:	276	Resp:	17301
Ion Ratio	Lower	Upper	
276	100		
138	20.7	20.0	30.0
277	24.5	20.1	30.1

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Reviewed By :Yogesh Patel 08/01/2023

Supervised By :mohammad ahmed 08/01/2023



#88

Benzo(b)fluoranthene

Concen: 9.111 ng

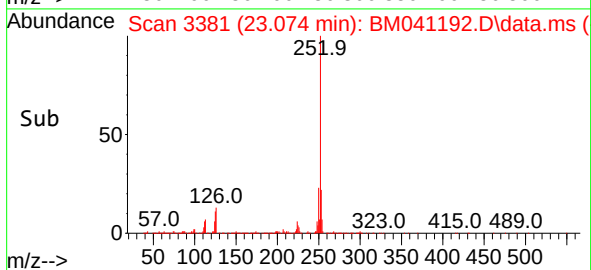
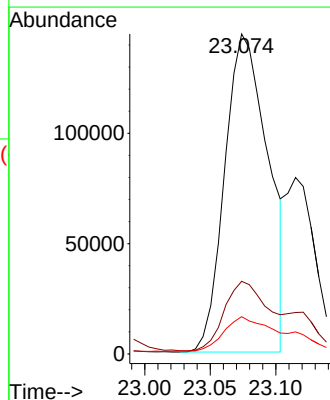
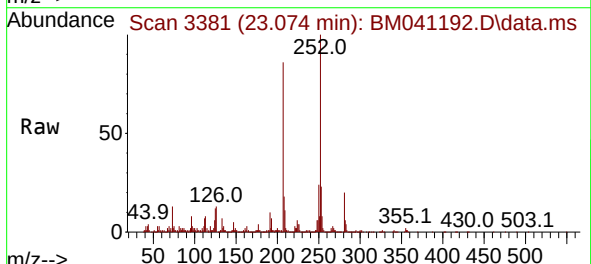
RT: 23.074 min Scan# 3381

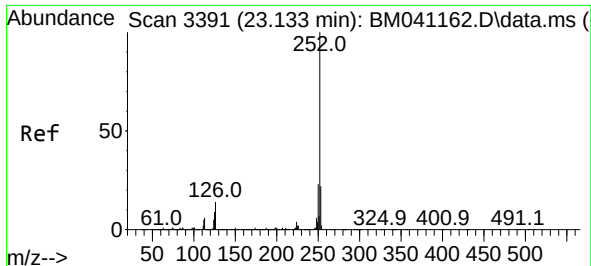
Delta R.T. 0.000 min

Lab File: BM041192.D

Acq: 31 Jul 2023 16:48

Tgt Ion:	252	Resp:	332113
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	11.7	8.2	12.4





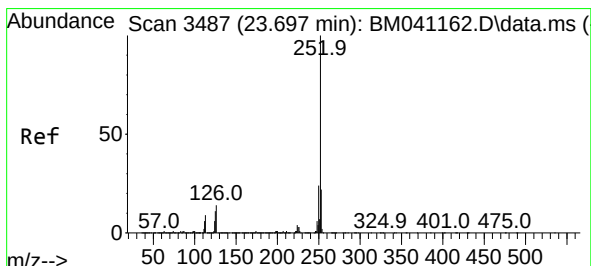
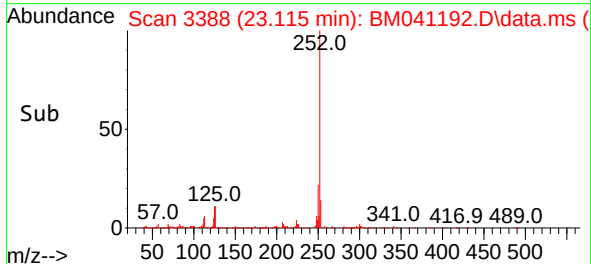
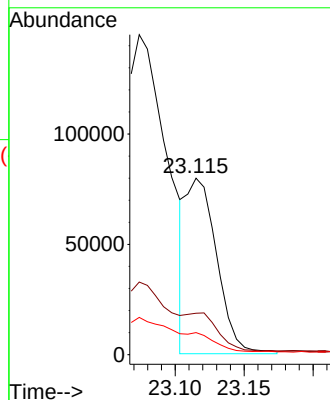
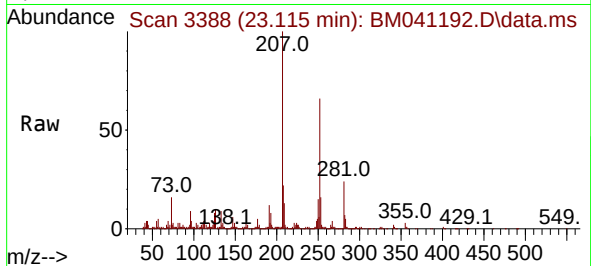
#89
Benzo(k)fluoranthene
Concen: 3.317 ng m
RT: 23.115 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

Instrument :
BNA_M
ClientSampleId :
DEL-1-RP

Tgt Ion:252 Resp: 123699
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 12.5 7.6 11.4

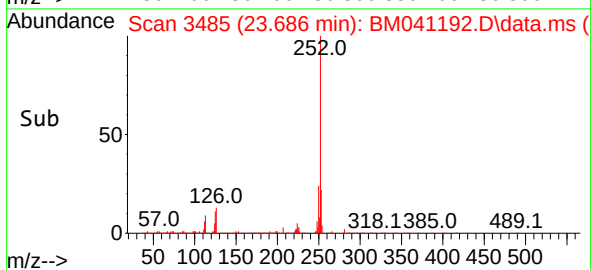
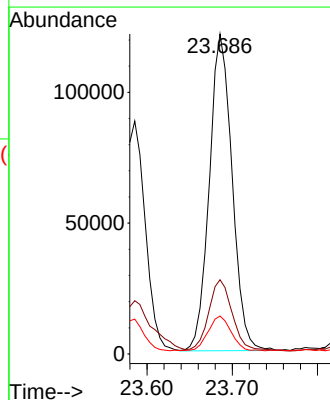
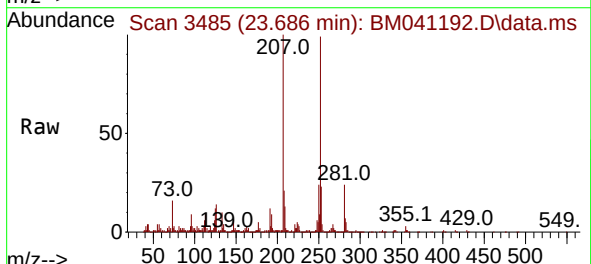
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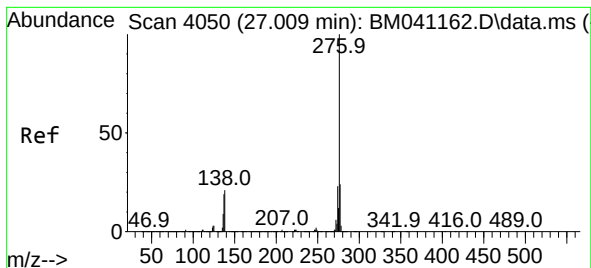
Reviewed By :Yogesh Patel 08/01/2023
Supervised By :mohammad ahmed 08/01/2023



#90
Benzo(a)pyrene
Concen: 6.419 ng
RT: 23.686 min Scan# 3485
Delta R.T. -0.006 min
Lab File: BM041192.D
Acq: 31 Jul 2023 16:48

Tgt Ion:252 Resp: 224822
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 11.9 9.0 13.4





#92

Benzo(g,h,i)perylene

Concen: 4.496 ng

RT: 26.985 min Scan# 40

Delta R.T. -0.012 min

Lab File: BM041192.D

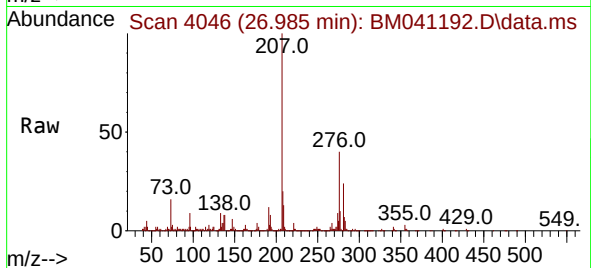
Acq: 31 Jul 2023 16:48

Instrument :

BNA_M

ClientSampleId :

DEL-1-RP



Tgt Ion:276 Resp: 16555

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 20.6 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/01/2023

Supervised By :mohammad ahmed 08/01/2023

