

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072823\
 Data File : BM041176.D
 Acq On : 28 Jul 2023 21:38
 Operator : MA/JU
 Sample : 03632-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-01-(2-4)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/29/2023
 Supervised By :mohammad ahmed 07/29/2023

Quant Time: Jul 29 01:19:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 29 00:19:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	193896	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	741043	20.000	ng	0.00
39) Acenaphthene-d10	14.468	164	422889	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	888188	20.000	ng	0.00
76) Chrysene-d12	21.427	240	819826	20.000	ng	0.00
86) Perylene-d12	23.803	264	907105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1167138	89.965	ng	0.00
7) Phenol-d6	6.981	99	1545742	91.919	ng	0.00
23) Nitrobenzene-d5	8.980	82	1028852	64.566	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	540365	90.339	ng	0.00
45) 2-Fluorobiphenyl	13.086	172	2074308	61.963	ng	0.00
79) Terphenyl-d14	19.862	244	2915302	64.294	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.663	128	725048	18.030	ng	100
37) 2-Methylnaphthalene	12.280	142	663477	24.473	ng	99
38) 1-Methylnaphthalene	12.498	142	528898	20.844	ng	99
46) 1,1'-Biphenyl	13.298	154	91520	2.670	ng	98
49) Acenaphthylene	14.192	152	224009	5.422	ng	# 94
55) Dibenzofuran	14.868	168	304445	7.497	ng	# 93
71) Phenanthrene	17.268	178	991045	20.083	ng	99
72) Anthracene	17.362	178	238622	4.889	ng	99
73) Carbazole	17.639	167	96059	2.175	ng	# 93
75) Fluoranthene	19.297	202	970043	17.497	ng	99
78) Pyrene	19.656	202	873396	15.234	ng	99
81) Benzo(a)anthracene	21.415	228	553887	9.966	ng	# 90
83) Chrysene	21.462	228	655022m	12.185	ng	
84) Bis(2-ethylhexyl)phtha...	21.339	149	13685	2.929	ng	# 85
87) Indeno(1,2,3-cd)pyrene	26.244	276	387746	5.814	ng	95
88) Benzo(b)fluoranthene	23.080	252	942997	17.499	ng	97
89) Benzo(k)fluoranthene	23.121	252	241507m	4.381	ng	
90) Benzo(a)pyrene	23.697	252	499585	9.649	ng	95
92) Benzo(g,h,i)perylene	27.003	276	361456	6.641	ng	100

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

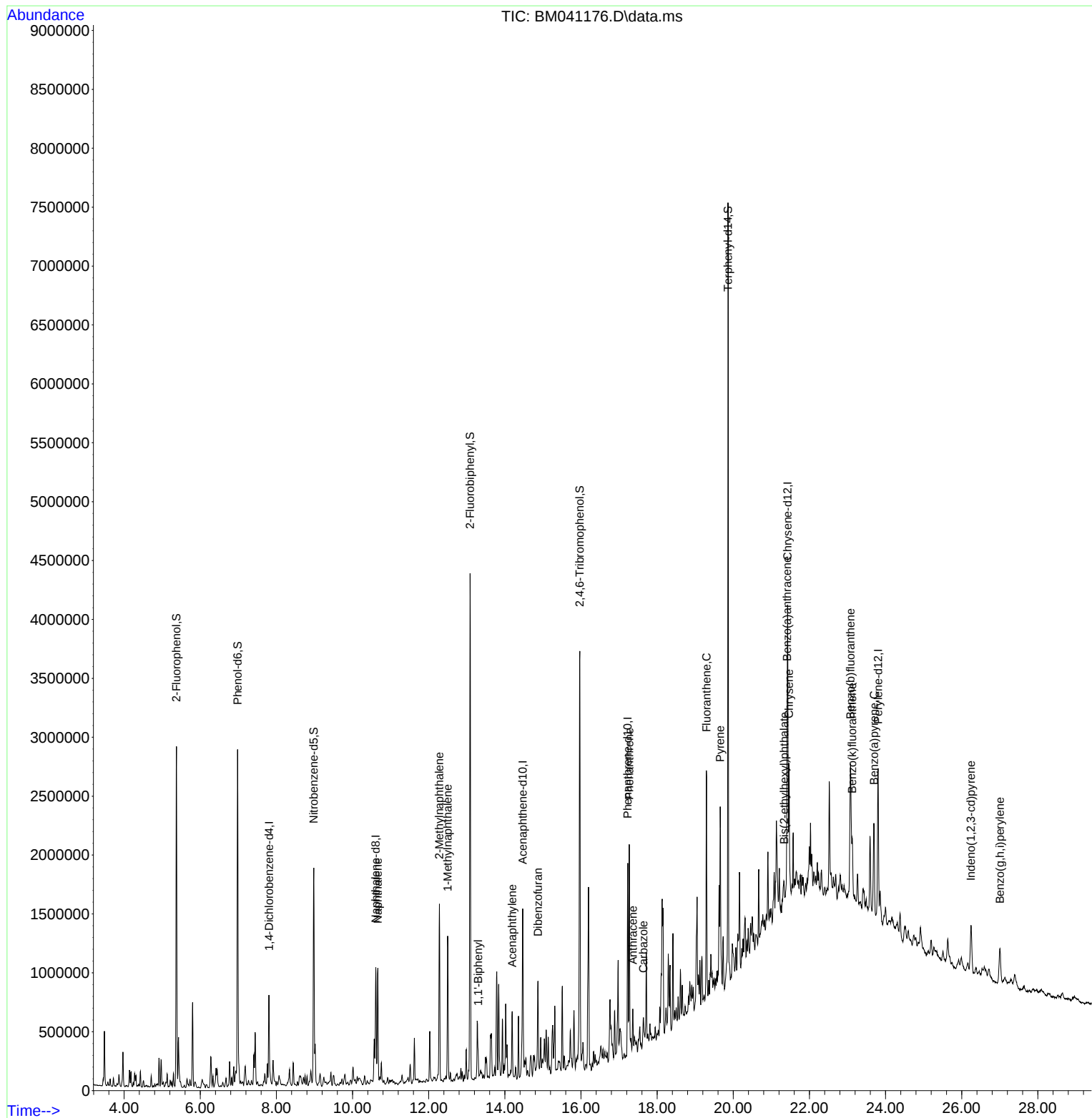
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072823\
Data File : BM041176.D
Acq On : 28 Jul 2023 21:38
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Misc :
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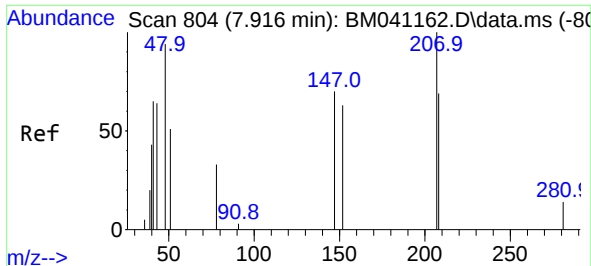
Instrument :
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Quant Time: Jul 29 01:19:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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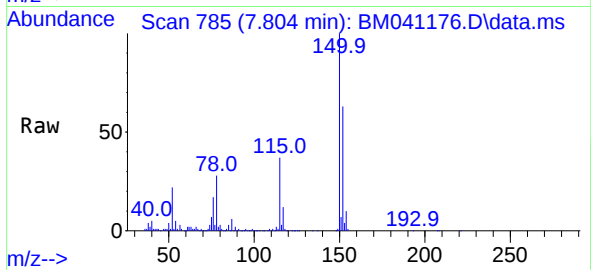
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

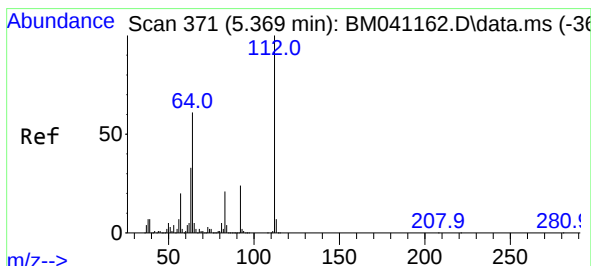
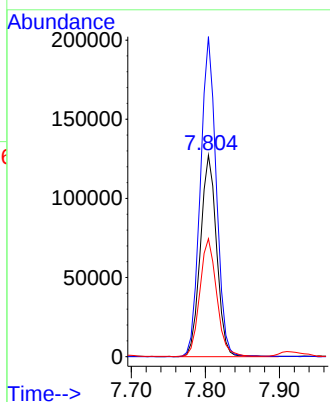
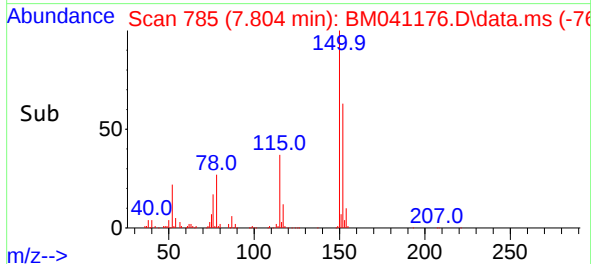
Instrument :
BNA_M
ClientSampleId :
SB-01-(2-4)



Tgt Ion:152 Resp: 193890
Ion Ratio Lower Upper
152 100
150 158.9 125.5 188.3
115 58.6 48.0 72.0

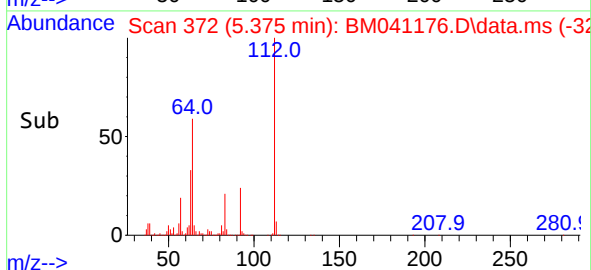
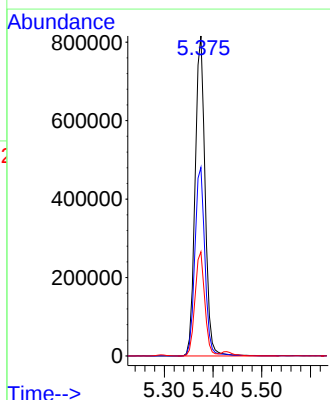
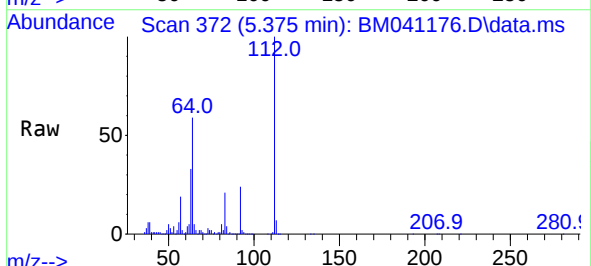
Manual Integrations
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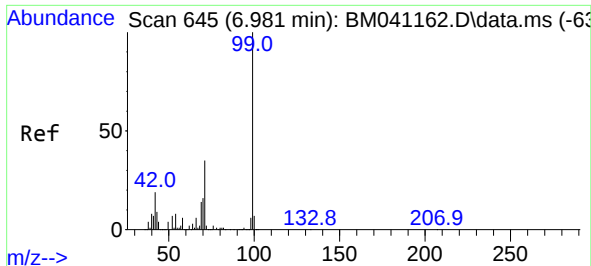
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023



#5
2-Fluorophenol
Concen: 89.965 ng
RT: 5.375 min Scan# 372
Delta R.T. 0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

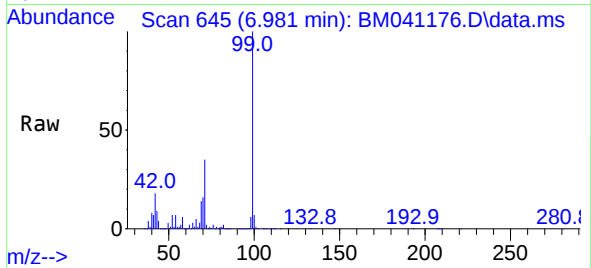
Tgt Ion:112 Resp: 1167138
Ion Ratio Lower Upper
112 100
64 58.9 48.5 72.7
63 32.5 26.5 39.7





#7
Phenol-d6
Concen: 91.919 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

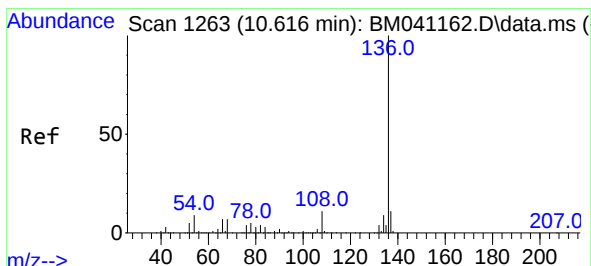
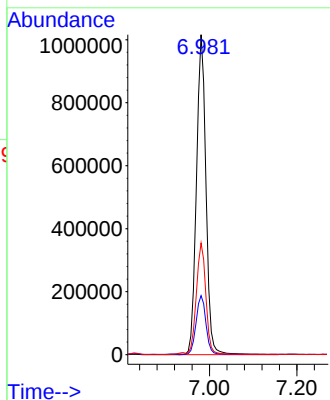
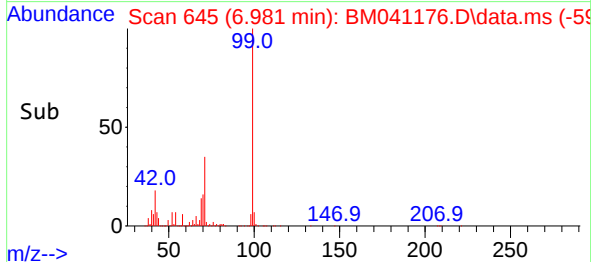
Instrument :
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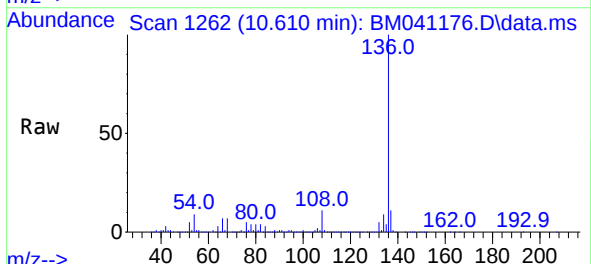
Tgt Ion: 99 Resp: 154574
Ion Ratio Lower Upper
99 100
42 18.5 15.4 23.0
71 34.9 28.2 42.4

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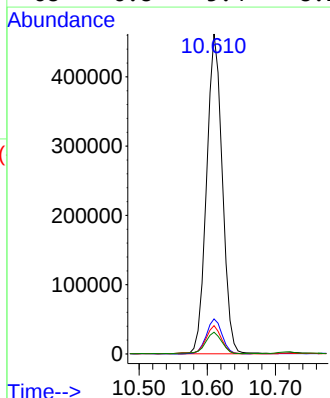
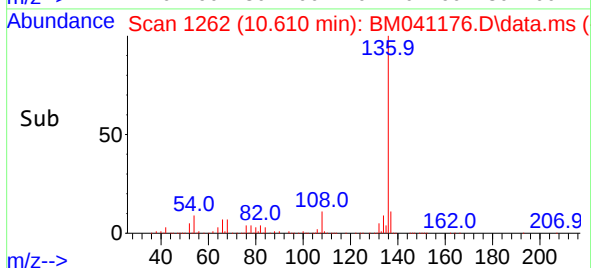
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

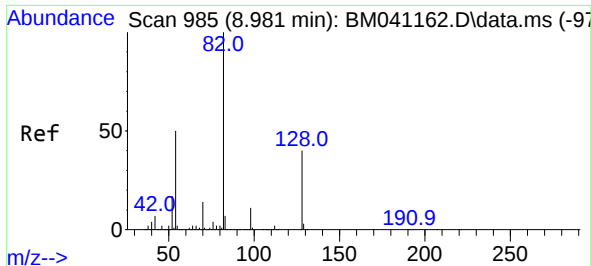


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1262
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38



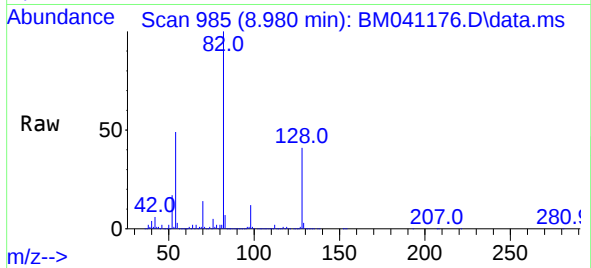
Tgt Ion:136 Resp: 741043
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.8 6.9 10.3
68 6.8 5.4 8.2





#23
Nitrobenzene-d5
Concen: 64.566 ng
RT: 8.980 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

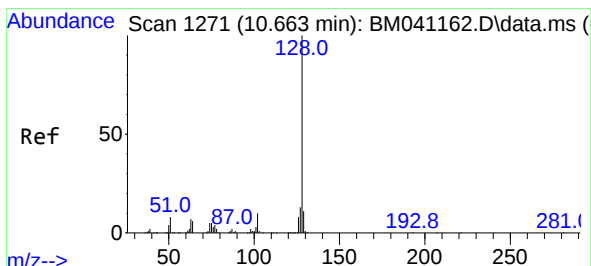
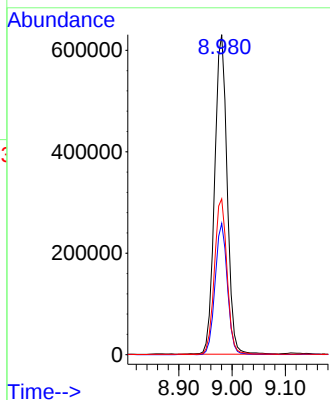
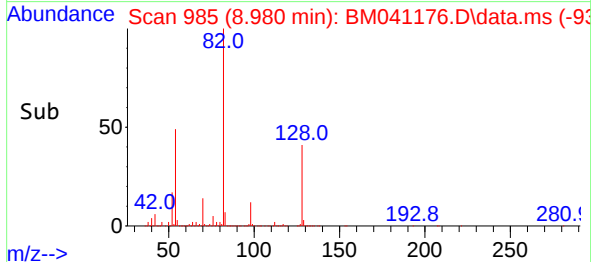
Instrument :
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ClientSampleId :
SB-01-(2-4)



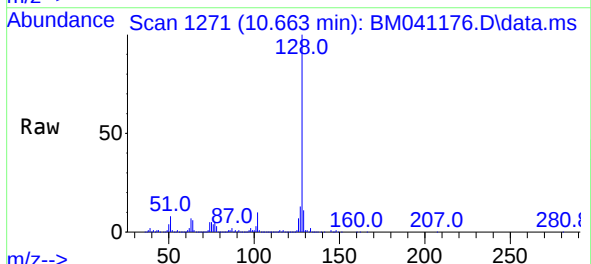
Tgt Ion: 82 Resp: 102885
Ion Ratio Lower Upper
82 100
128 41.0 31.8 47.6
54 48.7 40.1 60.1

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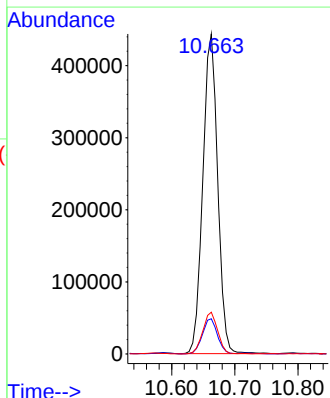
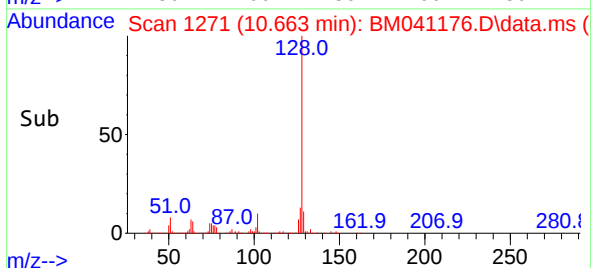
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

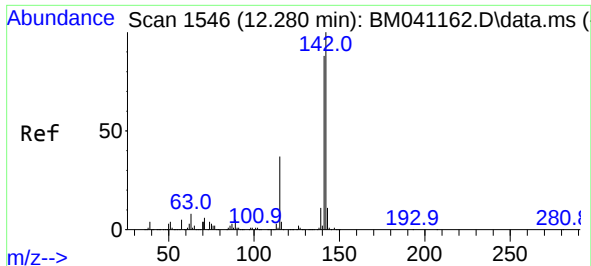


#31
Naphthalene
Concen: 18.030 ng
RT: 10.663 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38



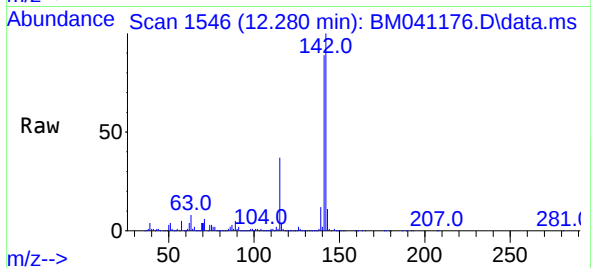
Tgt Ion:128 Resp: 725048
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.0 10.5 15.7





#37
2-Methylnaphthalene
Concen: 24.473 ng
RT: 12.280 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

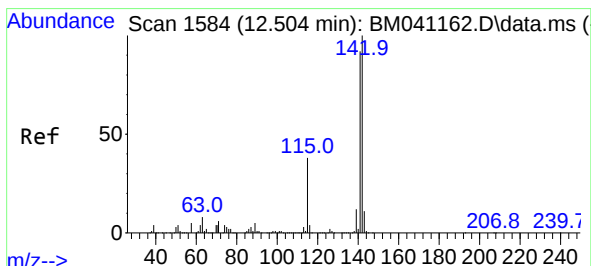
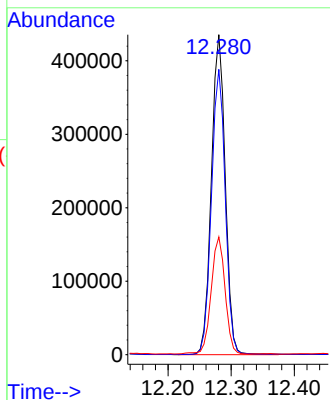
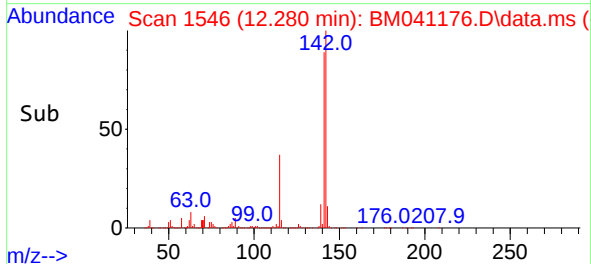
Instrument :
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ClientSampleId :
SB-01-(2-4)



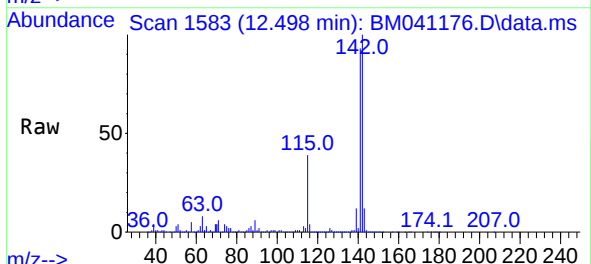
Tgt Ion:142 Resp: 66347
Ion Ratio Lower Upper
142 100
141 89.1 70.7 106.1
115 36.8 29.3 43.9

Manual Integrations
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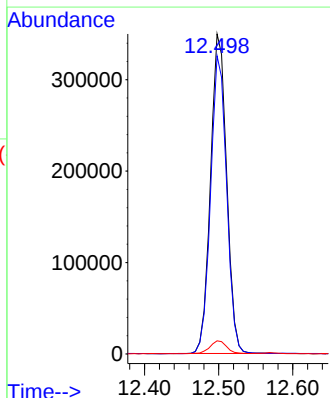
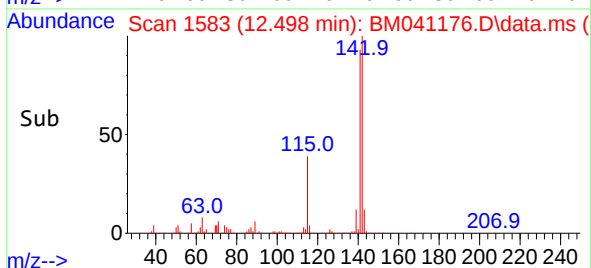
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

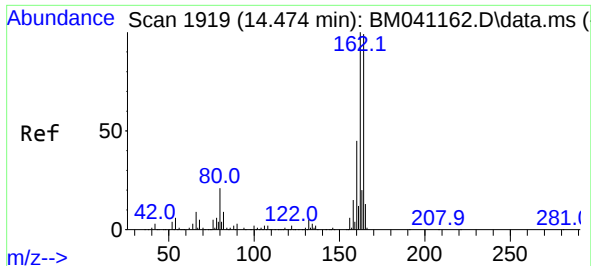


#38
1-Methylnaphthalene
Concen: 20.844 ng
RT: 12.498 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38



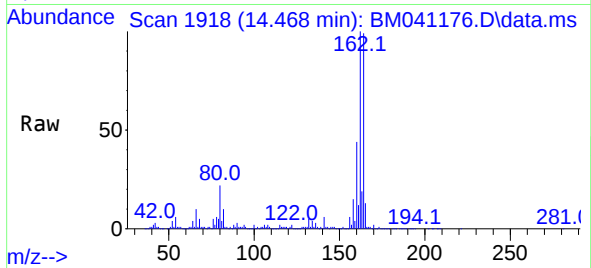
Tgt Ion:142 Resp: 528898
Ion Ratio Lower Upper
142 100
141 93.2 73.4 110.2
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.468 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

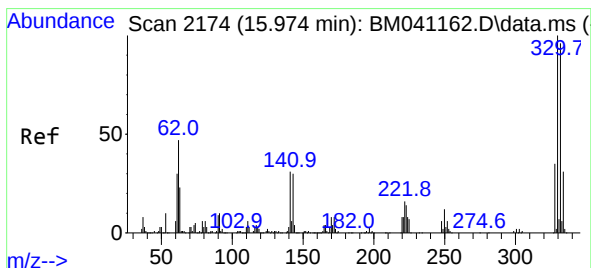
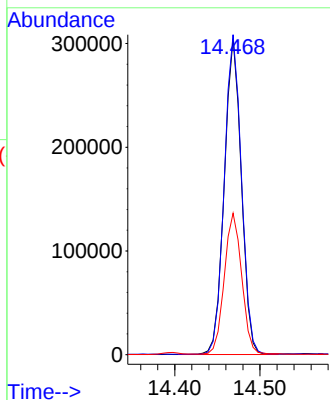
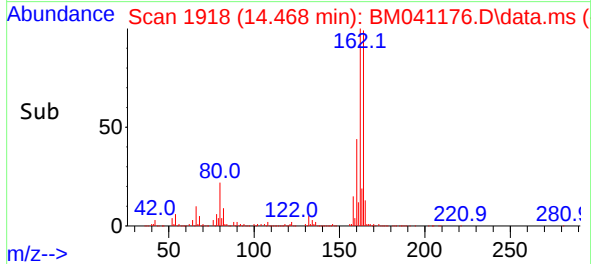
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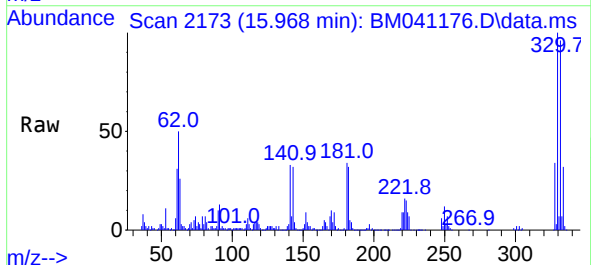
Tgt Ion:164 Resp: 422889
Ion Ratio Lower Upper
164 100
162 101.2 80.4 120.6
160 44.7 36.2 54.2

Manual Integrations
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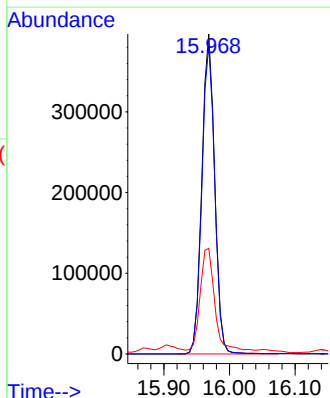
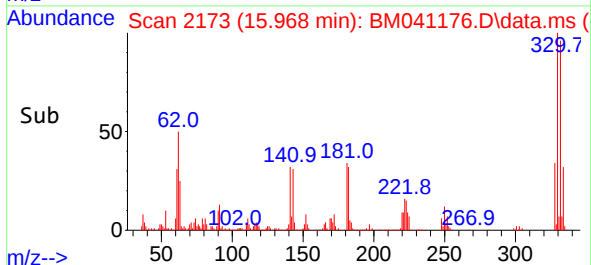
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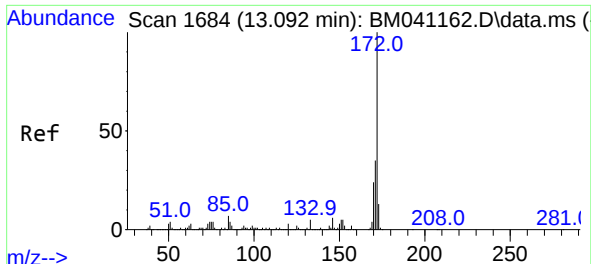


#42
2,4,6-Tribromophenol
Concen: 90.339 ng
RT: 15.968 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38



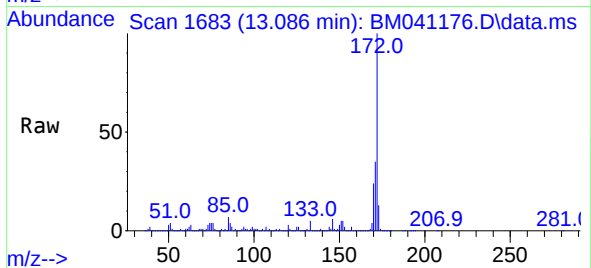
Tgt Ion:330 Resp: 540365
Ion Ratio Lower Upper
330 100
332 97.1 77.7 116.5
141 35.6 28.3 42.5





#45
2-Fluorobiphenyl
Concen: 61.963 ng
RT: 13.086 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

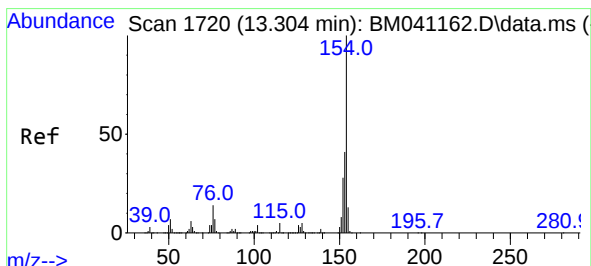
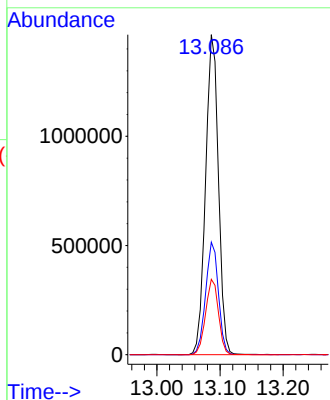
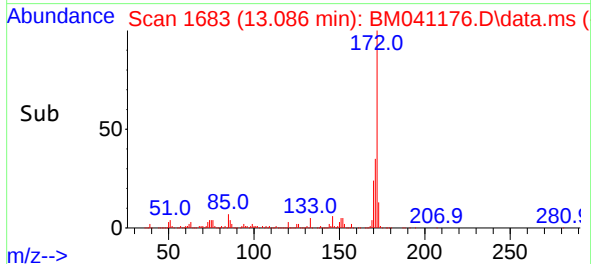
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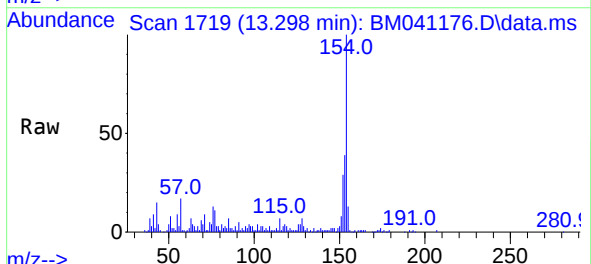
Tgt Ion:172 Resp: 2074308
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.6 18.9 28.3

Manual Integrations
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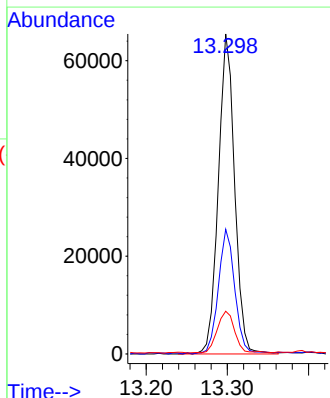
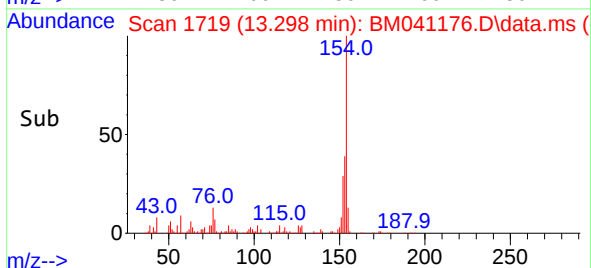
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

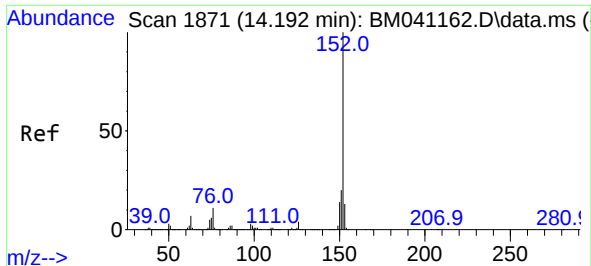


#46
1,1'-Biphenyl
Concen: 2.670 ng
RT: 13.298 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38



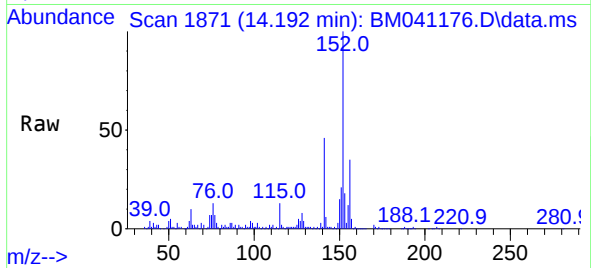
Tgt Ion:154 Resp: 91520
Ion Ratio Lower Upper
154 100
153 38.9 20.5 60.5
76 13.4 0.0 34.1





#49
Acenaphthylene
Concen: 5.422 ng
RT: 14.192 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

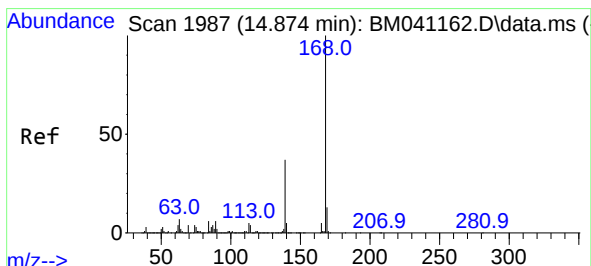
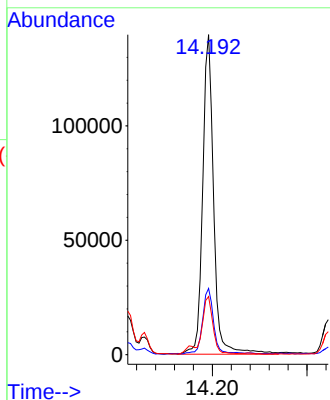
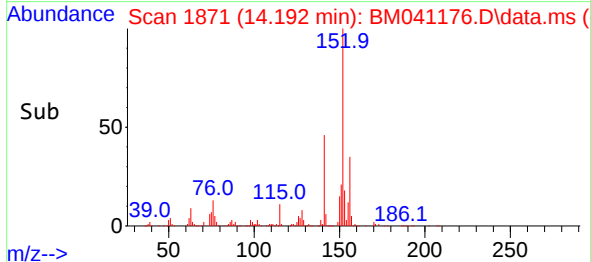
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ClientSampleId :
SB-01-(2-4)



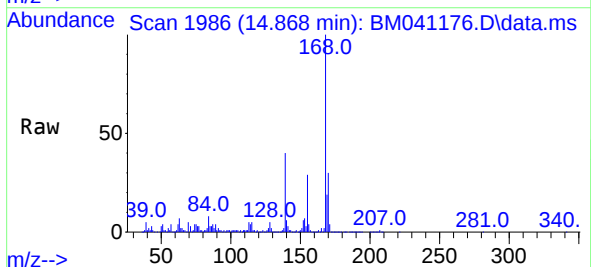
Tgt Ion:152 Resp: 224009
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1
153 18.2 10.5 15.7

Manual Integrations
APPROVED

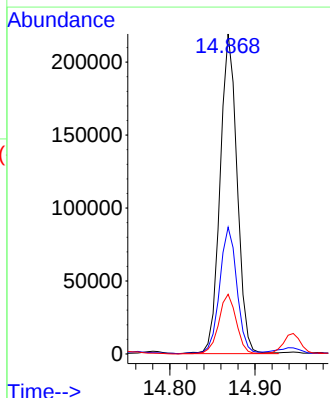
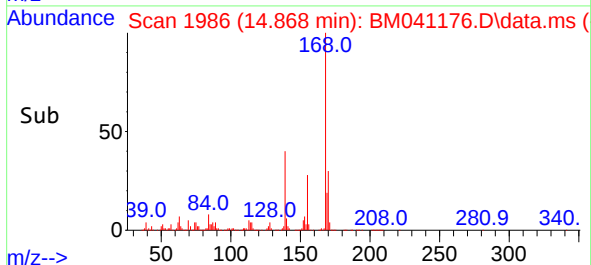
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

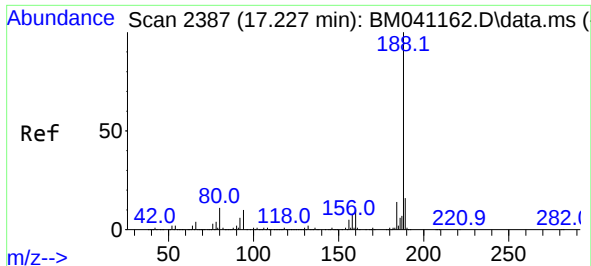


#55
Dibenzofuran
Concen: 7.497 ng
RT: 14.868 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38



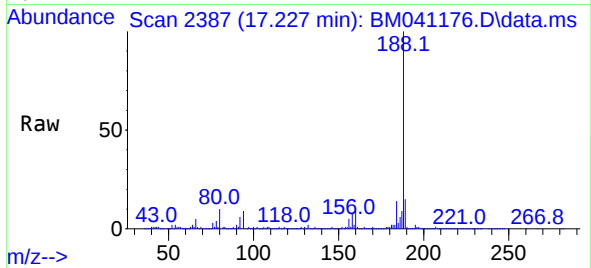
Tgt Ion:168 Resp: 304445
Ion Ratio Lower Upper
168 100
139 39.6 29.8 44.6
169 18.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

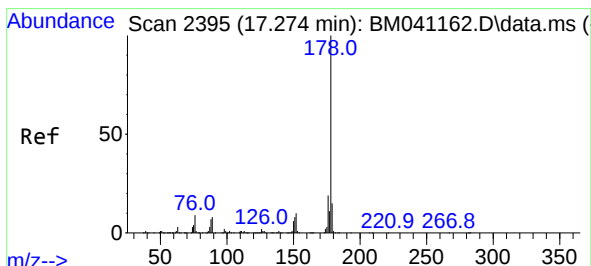
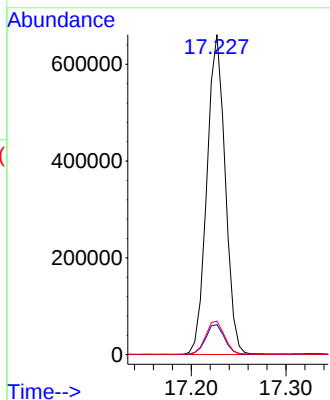
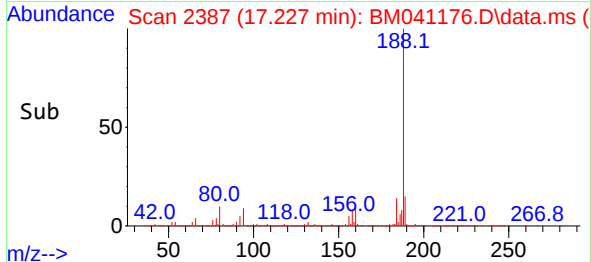
Instrument :
BNA_M
ClientSampleId :
SB-01-(2-4)



Tgt Ion:188 Resp: 888188
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.2
80 10.5 8.6 13.0

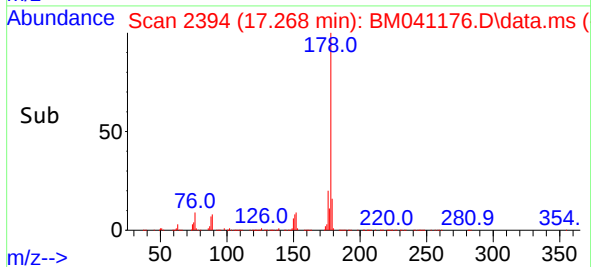
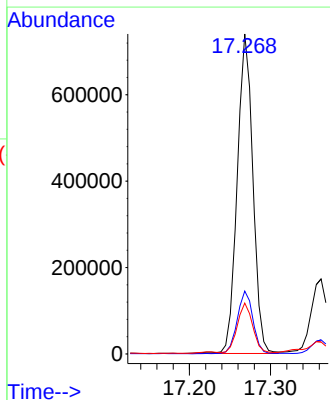
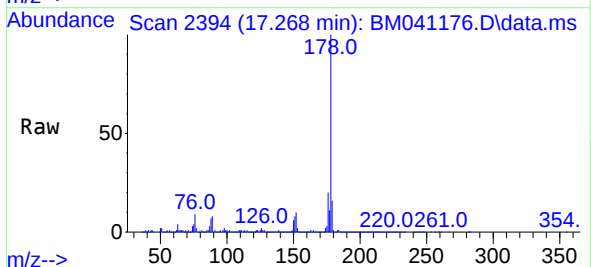
Manual Integrations
APPROVED

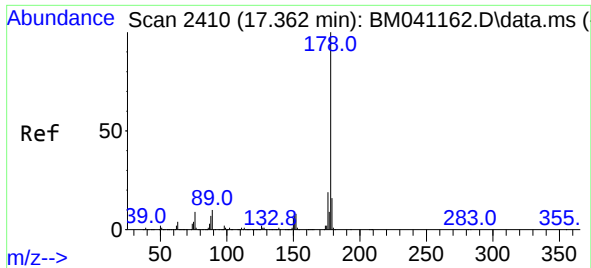
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023



#71
Phenanthrene
Concen: 20.083 ng
RT: 17.268 min Scan# 2394
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

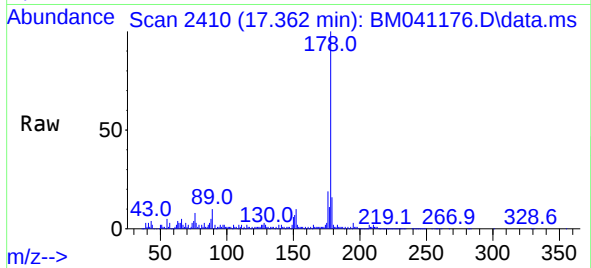
Tgt Ion:178 Resp: 991045
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.9 12.1 18.1





#72
 Anthracene
 Concen: 4.889 ng
 RT: 17.362 min Scan# 2410
 Delta R.T. -0.000 min
 Lab File: BM041176.D
 Acq: 28 Jul 2023 21:38

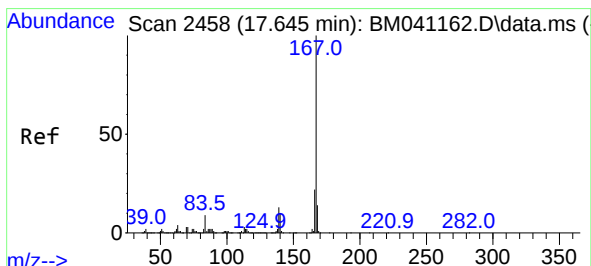
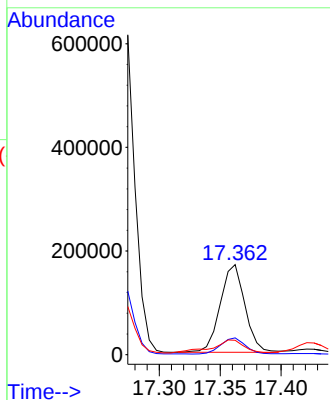
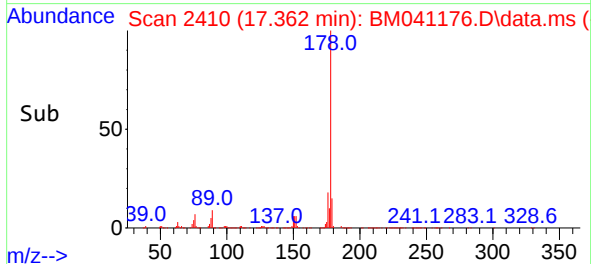
Instrument :
 BNA_M
 ClientSampleId :
 SB-01-(2-4)



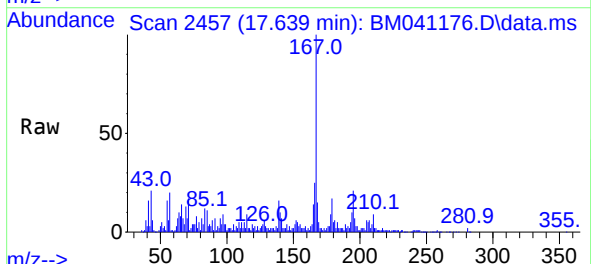
Tgt Ion:178 Resp: 23862
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.2 22.8
 179 16.1 12.4 18.6

Manual Integrations
 APPROVED

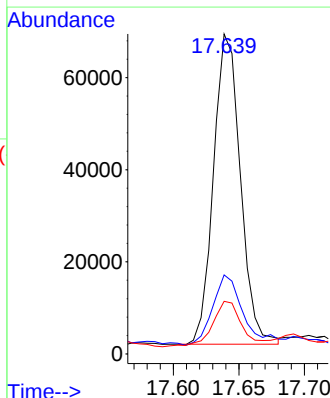
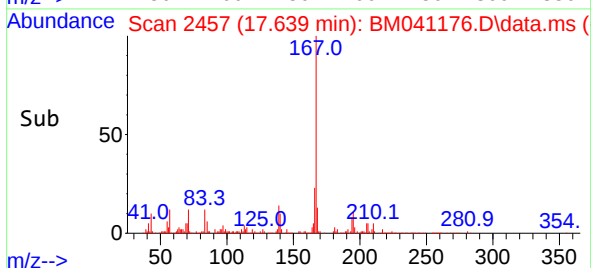
Reviewed By :Yogesh Patel 07/29/2023
 Supervised By :mohammad ahmed 07/29/2023

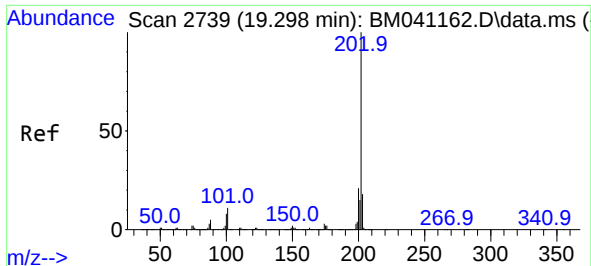


#73
 Carbazole
 Concen: 2.175 ng
 RT: 17.639 min Scan# 2457
 Delta R.T. -0.006 min
 Lab File: BM041176.D
 Acq: 28 Jul 2023 21:38



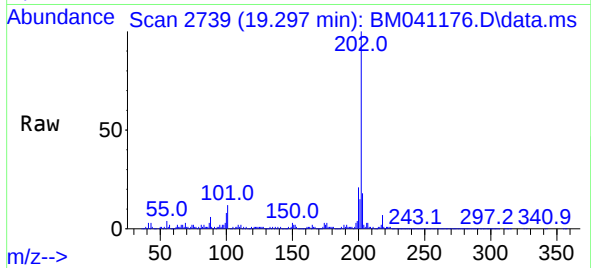
Tgt Ion:167 Resp: 96059
 Ion Ratio Lower Upper
 167 100
 166 24.7 17.3 25.9
 139 16.5 10.3 15.5#





#75
Fluoranthene
Concen: 17.497 ng
RT: 19.297 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

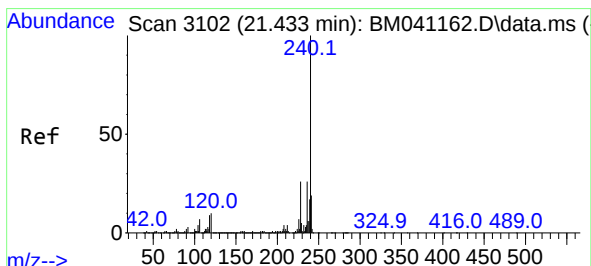
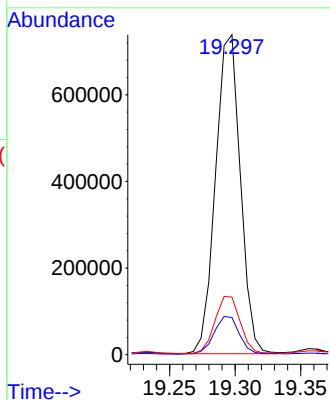
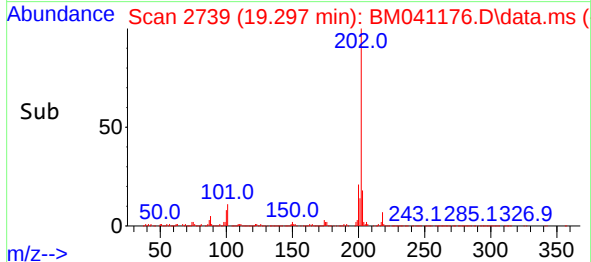
Instrument :
BNA_M
ClientSampleId :
SB-01-(2-4)



Tgt Ion:202 Resp: 97004
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.8
203 18.0 0.0 37.6

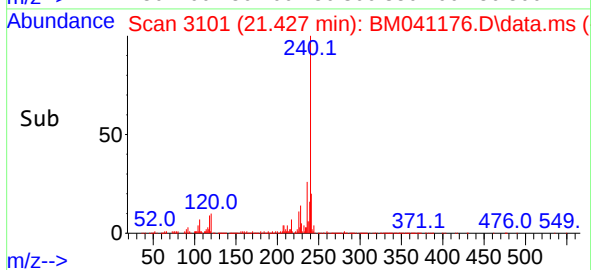
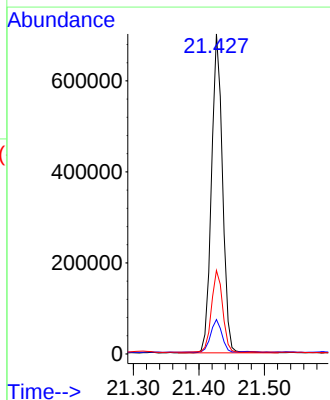
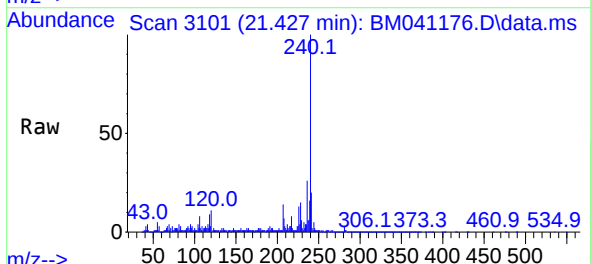
Manual Integrations
APPROVED

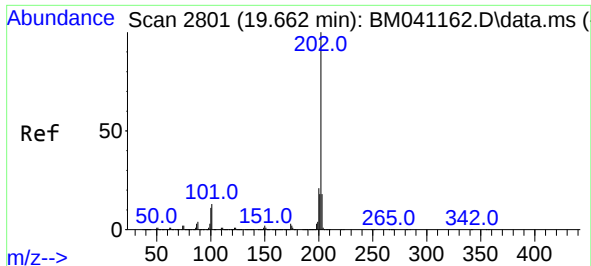
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

Tgt Ion:240 Resp: 819826
Ion Ratio Lower Upper
240 100
120 10.8 8.3 12.5
236 26.1 20.6 30.8





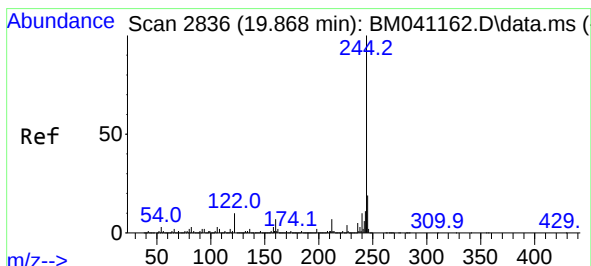
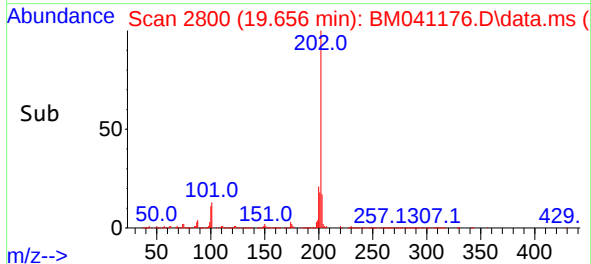
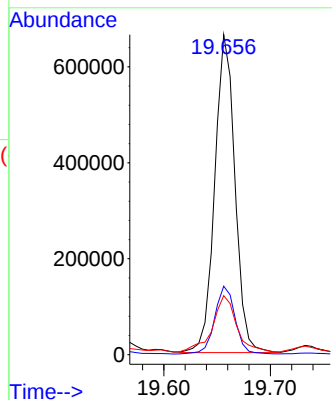
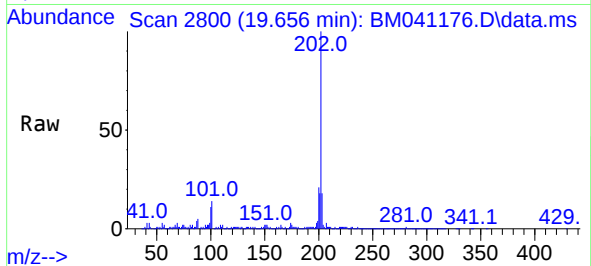
#78
Pyrene
Concen: 15.234 ng
RT: 19.656 min Scan# 2800
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

Instrument :
BNA_M
ClientSampleId :
SB-01-(2-4)

Tgt Ion:202 Resp: 873390
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 18.5 14.1 21.1

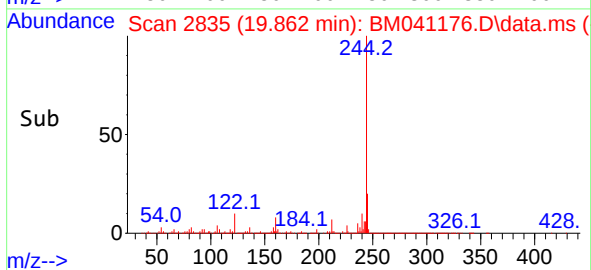
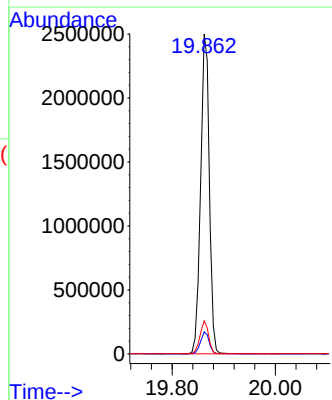
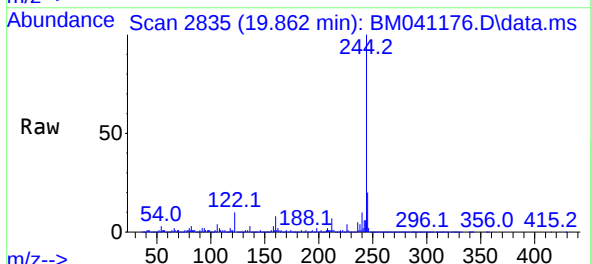
Manual Integrations
APPROVED

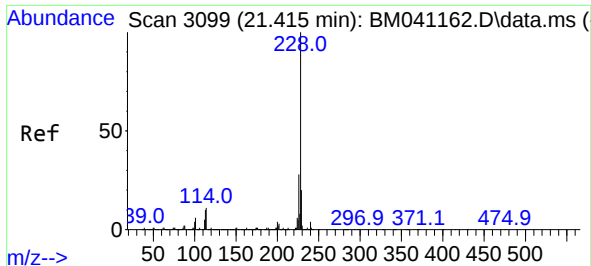
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023



#79
Terphenyl-d14
Concen: 64.294 ng
RT: 19.862 min Scan# 2835
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

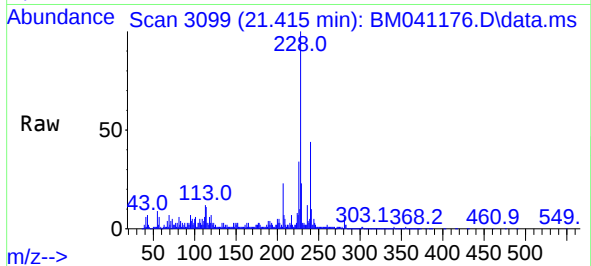
Tgt Ion:244 Resp: 2915302
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 10.4 7.8 11.6





#81
Benzo(a)anthracene
Concen: 9.966 ng
RT: 21.415 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

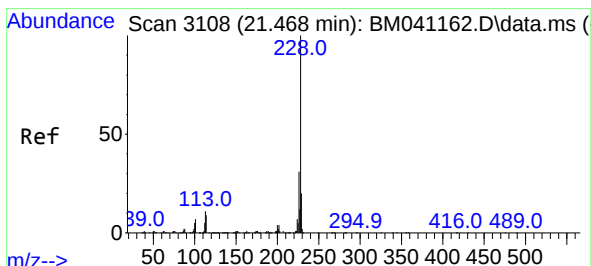
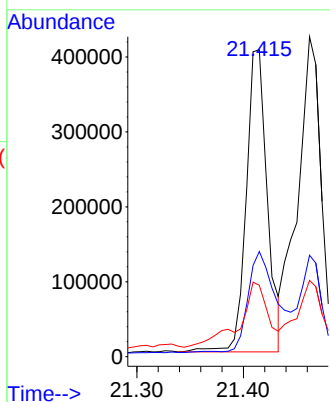
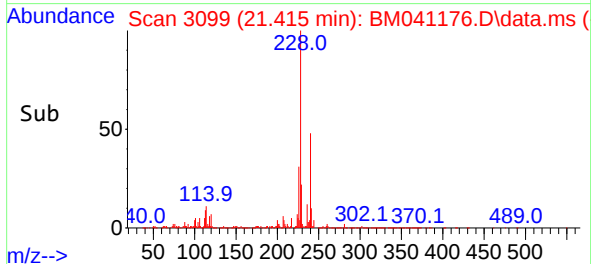
Instrument :
BNA_M
ClientSampleId :
SB-01-(2-4)



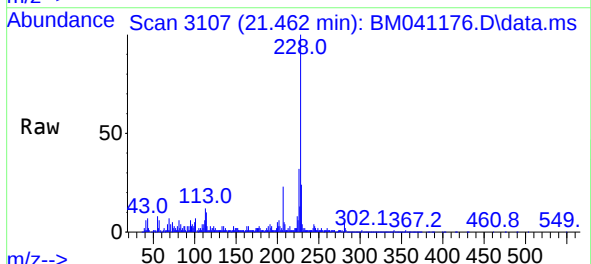
Tgt Ion:228 Resp: 55388
Ion Ratio Lower Upper
228 100
226 34.3 22.4 33.6
229 23.3 15.8 23.8

Manual Integrations
APPROVED

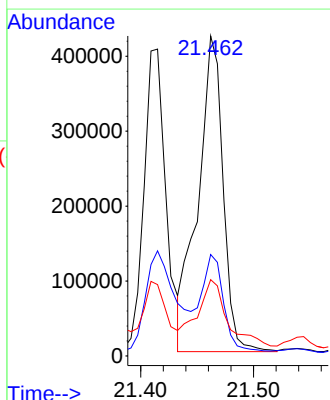
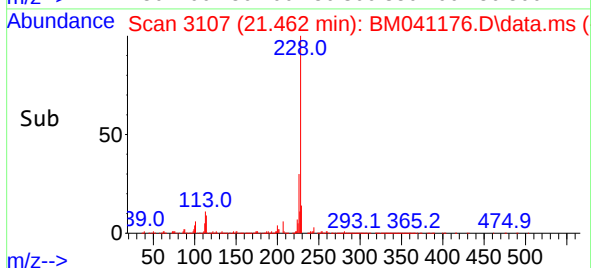
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

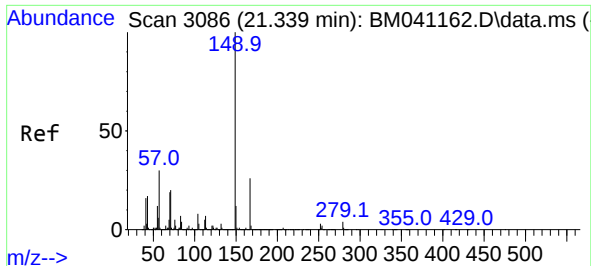


#83
Chrysene
Concen: 12.185 ng m
RT: 21.462 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38



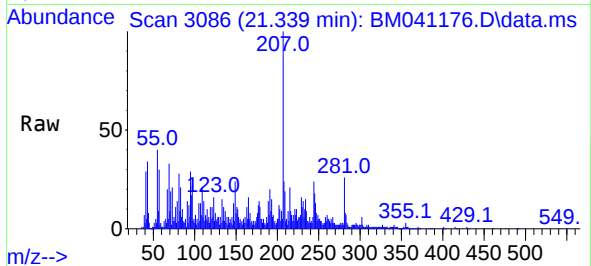
Tgt Ion:228 Resp: 655022
Ion Ratio Lower Upper
228 100
226 31.7 24.5 36.7
229 23.9 15.8 23.8#





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.929 ng
RT: 21.339 min Scan# 3086
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

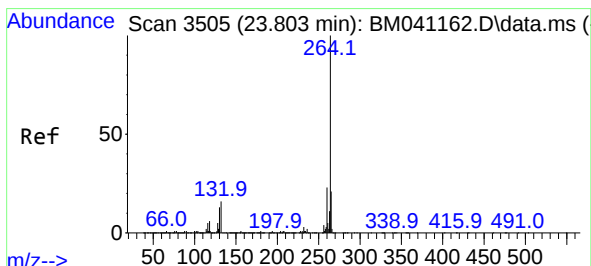
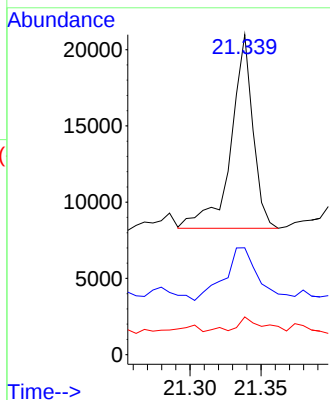
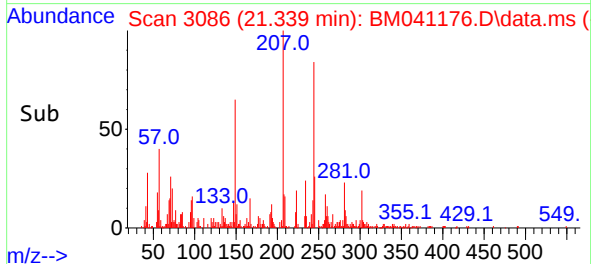
Instrument :
BNA_M
ClientSampleId :
SB-01-(2-4)



Tgt Ion:149 Resp: 1368
Ion Ratio Lower Upper
149 100
167 33.4 21.0 31.6
279 11.8 3.1 4.7

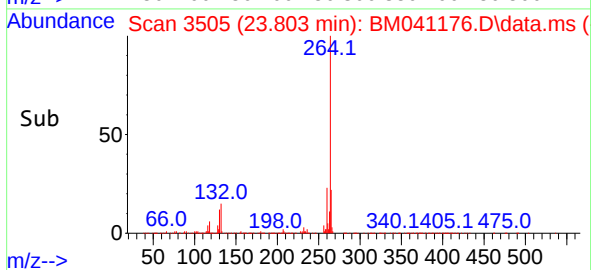
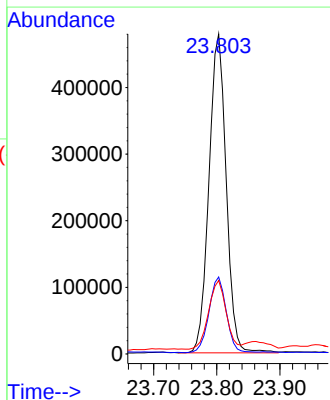
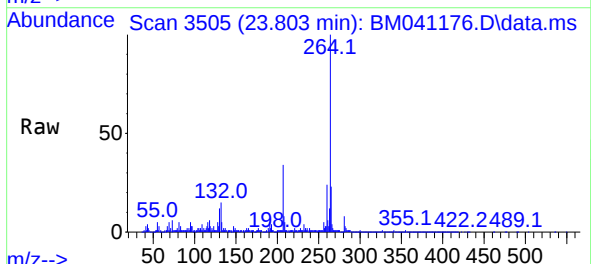
Manual Integrations
APPROVED

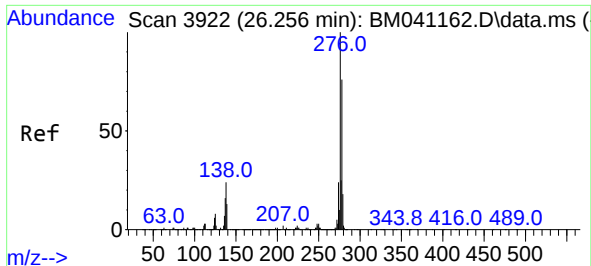
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.803 min Scan# 3505
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

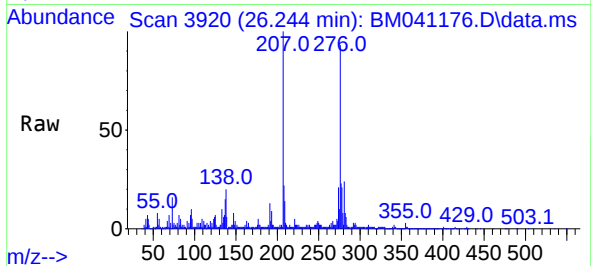
Tgt Ion:264 Resp: 907105
Ion Ratio Lower Upper
264 100
260 24.0 18.5 27.7
265 23.0 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.814 ng
RT: 26.244 min Scan# 3920
Delta R.T. -0.012 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

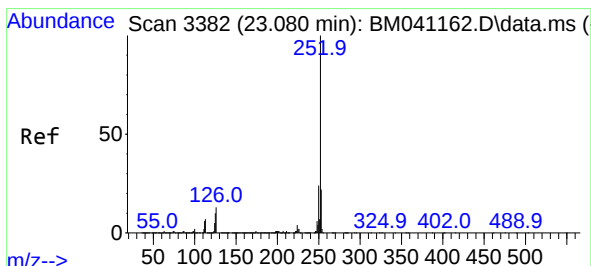
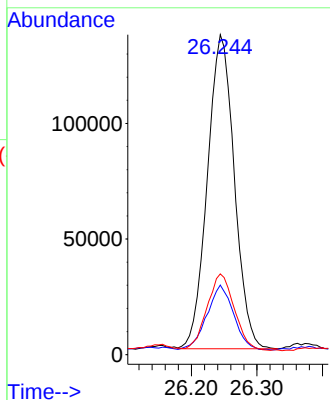
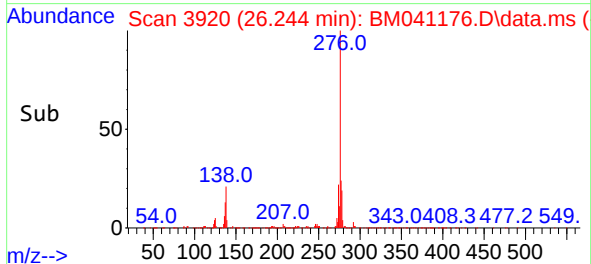
Instrument :
BNA_M
ClientSampleId :
SB-01-(2-4)



Tgt Ion:276 Resp: 387740
Ion Ratio Lower Upper
276 100
138 20.5 20.0 30.0
277 24.7 20.1 30.1

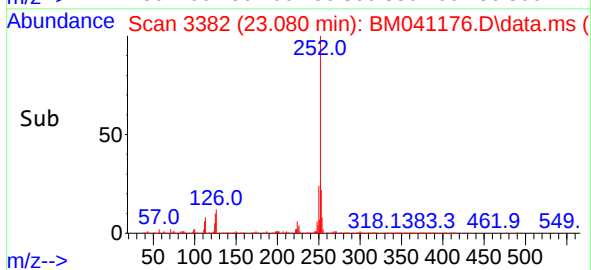
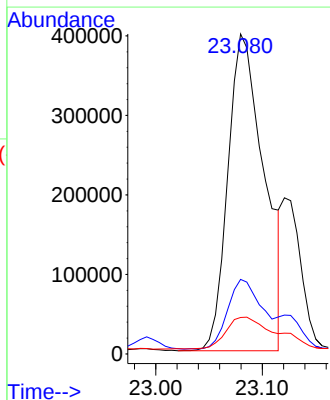
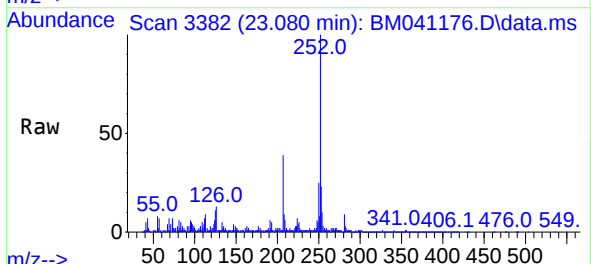
Manual Integrations
APPROVED

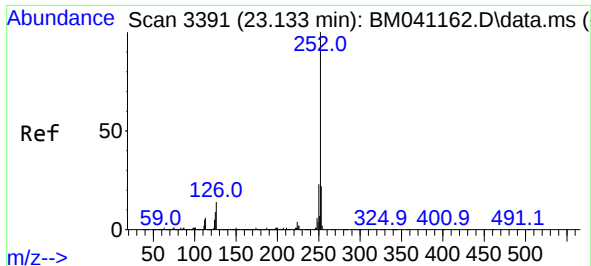
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023



#88
Benzo(b)fluoranthene
Concen: 17.499 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

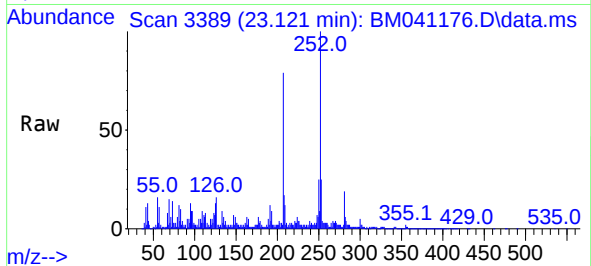
Tgt Ion:252 Resp: 942997
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 11.4 8.2 12.4





#89
Benzo(k)fluoranthene
Concen: 4.381 ng m
RT: 23.121 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

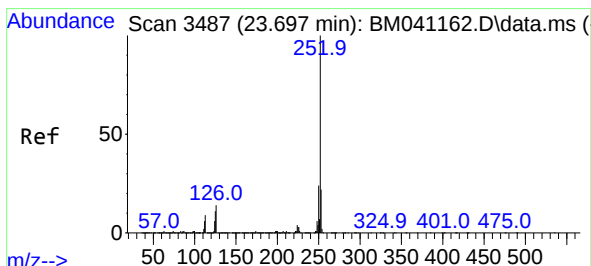
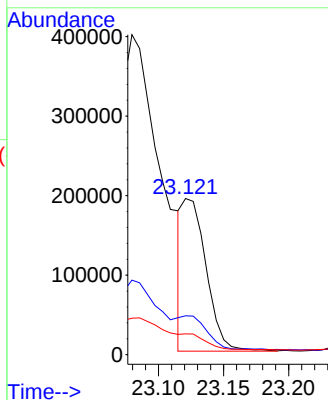
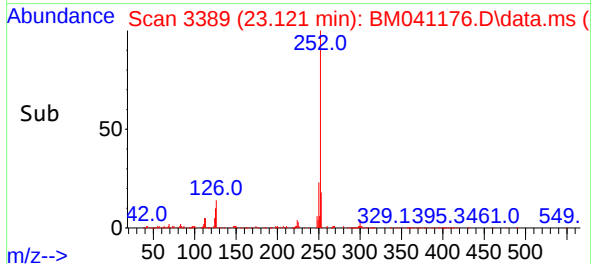
Instrument :
BNA_M
ClientSampleId :
SB-01-(2-4)



Tgt Ion:252 Resp: 241507
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 13.3 7.6 11.4

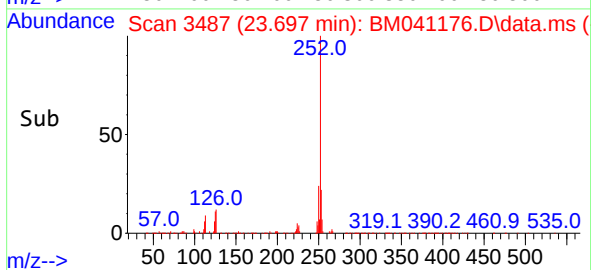
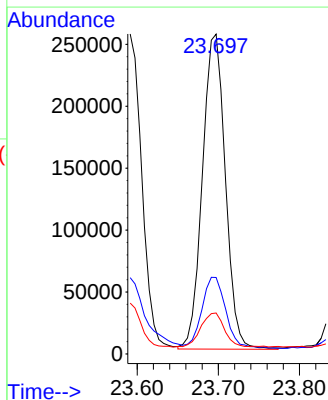
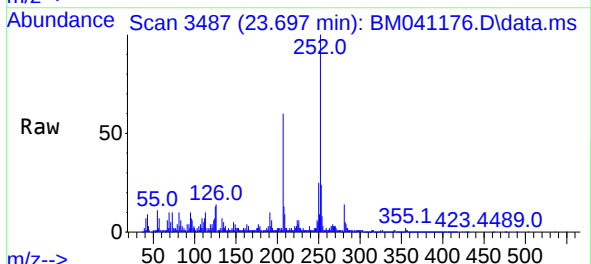
Manual Integrations
APPROVED

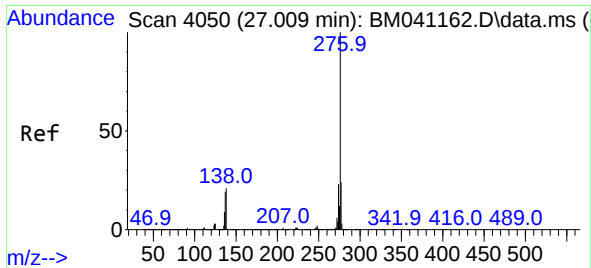
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023



#90
Benzo(a)pyrene
Concen: 9.649 ng
RT: 23.697 min Scan# 3487
Delta R.T. -0.000 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

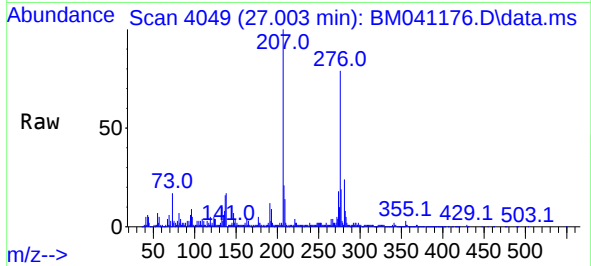
Tgt Ion:252 Resp: 499585
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 12.8 9.0 13.4





#92
Benzo(g,h,i)perylene
Concen: 6.641 ng
RT: 27.003 min Scan# 40
Delta R.T. -0.006 min
Lab File: BM041176.D
Acq: 28 Jul 2023 21:38

Instrument :
BNA_M
ClientSampleId :
SB-01-(2-4)



Tgt Ion:276 Resp: 361450
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 21.6 17.1 25.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

