

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
 Data File : BM041375.D
 Acq On : 10 Aug 2023 22:45
 Operator : MA/JU
 Sample : 03952-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-1-080923

Quant Time: Aug 11 03:37:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 09 12:20:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	62371	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	223474	20.000	ng	0.00
39) Acenaphthene-d10	14.439	164	124686	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	271366	20.000	ng	-0.01
76) Chrysene-d12	21.403	240	292413	20.000	ng	-0.01
86) Perylene-d12	23.768	264	360846	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	147267	35.289	ng	-0.01
7) Phenol-d6	6.957	99	151349	27.979	ng	-0.01
23) Nitrobenzene-d5	8.951	82	97442	20.278	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	62825	35.623	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	229160	23.217	ng	0.00
79) Terphenyl-d14	19.839	244	410189	25.363	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.163	152	31713	2.603	ng	96
52) Acenaphthene	14.504	154	14851	2.024	ng	97
58) Fluorene	15.498	166	19628	2.078	ng	98
71) Phenanthrene	17.245	178	258722	17.160	ng	98
72) Anthracene	17.339	178	103677	6.953	ng	99
75) Fluoranthene	19.268	202	686688	40.539	ng	99
78) Pyrene	19.633	202	650949	31.833	ng	100
81) Benzo(a)anthracene	21.392	228	387079	19.527	ng	99
83) Chrysene	21.445	228	348616	18.182	ng	98
87) Indeno(1,2,3-cd)pyrene	26.203	276	244030	9.198	ng	# 91
88) Benzo(b)fluoranthene	23.050	252	475379	22.176	ng	98
89) Benzo(k)fluoranthene	23.091	252	187390m	8.546	ng	
90) Benzo(a)pyrene	23.662	252	367652	17.849	ng	97
91) Dibenzo(a,h)anthracene	26.203	278	69625	3.146	ng	# 77
92) Benzo(g,h,i)perylene	26.956	276	237675	10.977	ng	96

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

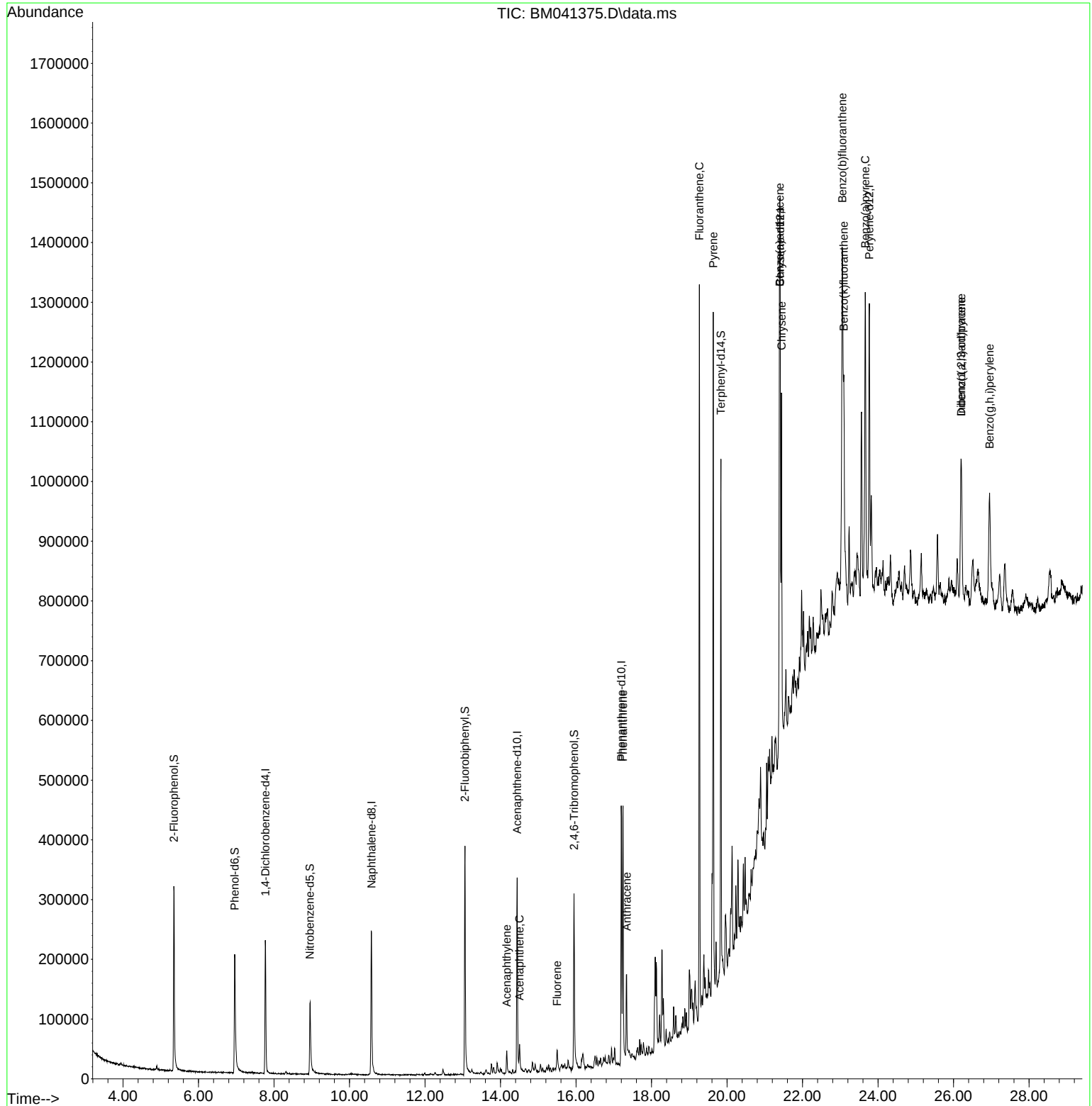
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
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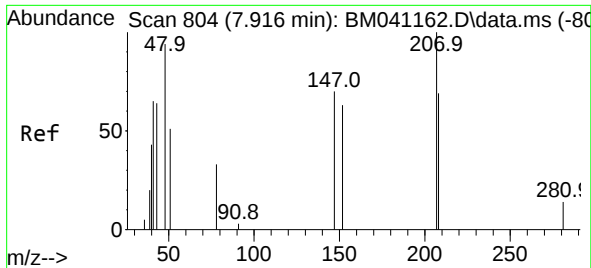
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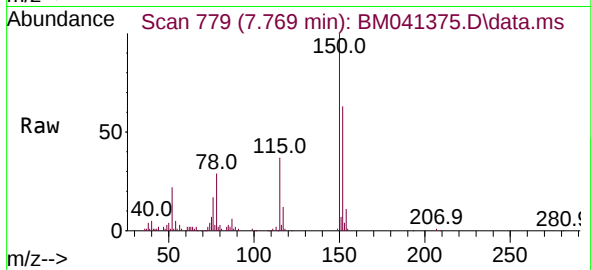
Quant Time: Aug 11 03:37:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 12:20:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

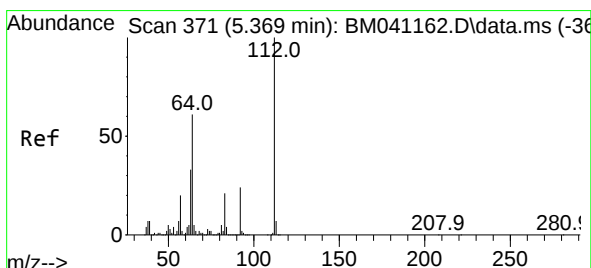
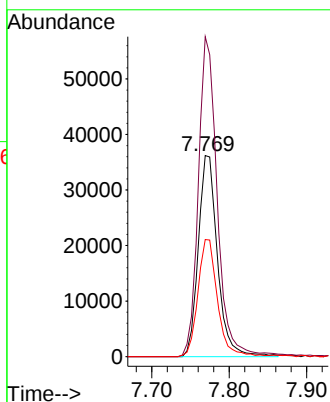
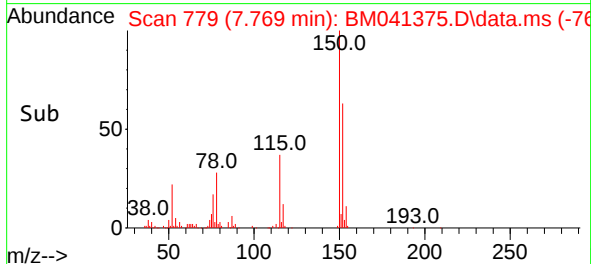
Instrument :
BNA_M
ClientSampleId :
OK-1-080923



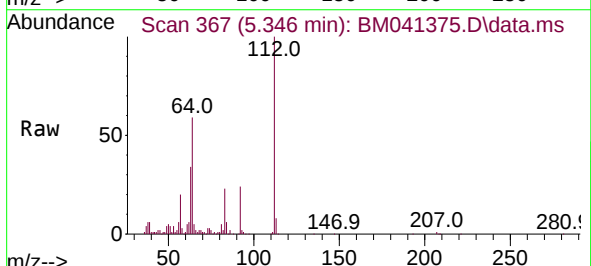
Tgt Ion:152 Resp: 6237
Ion Ratio Lower Upper
152 100
150 159.1 125.5 188.3
115 58.2 48.0 72.0

Manual Integrations
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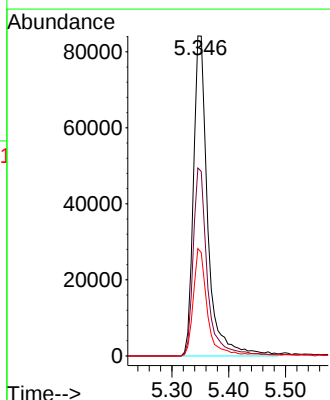
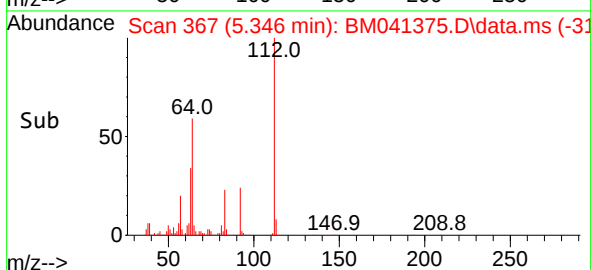
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

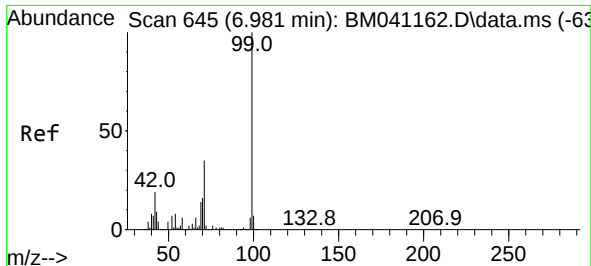


#5
2-Fluorophenol
Concen: 35.289 ng
RT: 5.346 min Scan# 367
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45



Tgt Ion:112 Resp: 147267
Ion Ratio Lower Upper
112 100
64 58.7 48.5 72.7
63 33.5 26.5 39.7





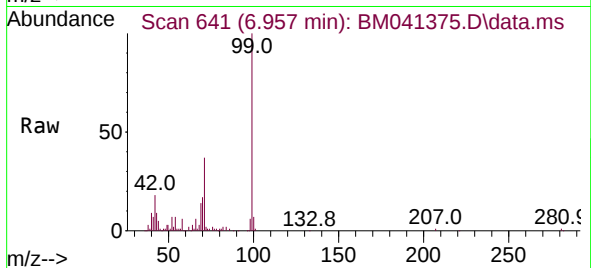
#7
Phenol-d6
Concen: 27.979 ng
RT: 6.957 min Scan# 641
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

Instrument :

BNA_M

ClientSampleId :

OK-1-080923



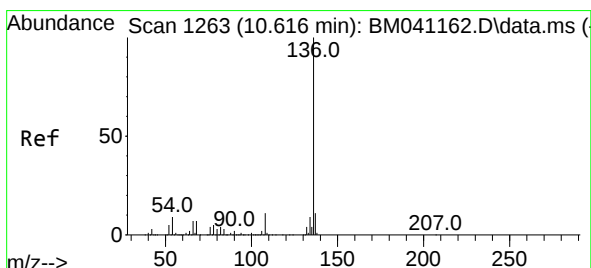
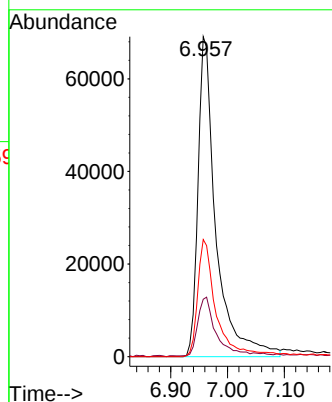
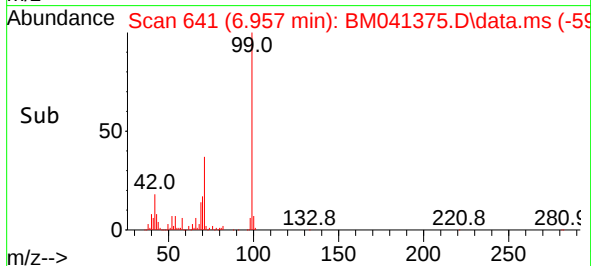
Tgt Ion: 99 Resp: 151349
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 36.6 28.2 42.4

Manual Integrations

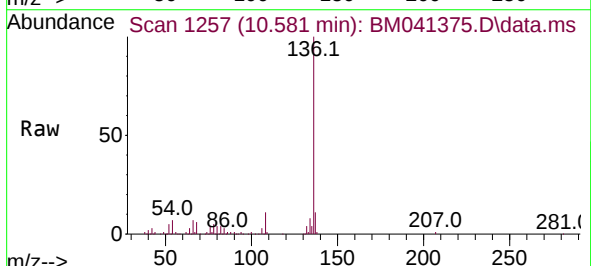
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Reviewed By :Yogesh Patel 08/11/2023

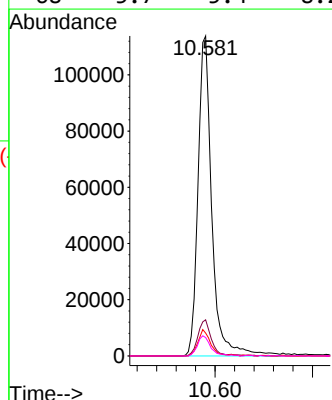
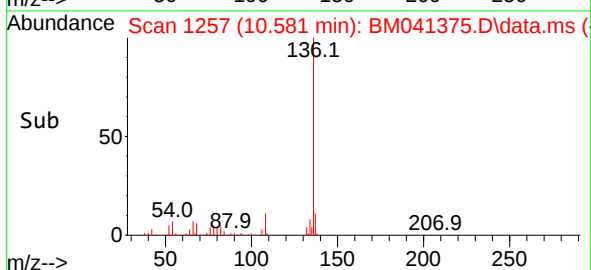
Supervised By :mohammad ahmed 08/11/2023

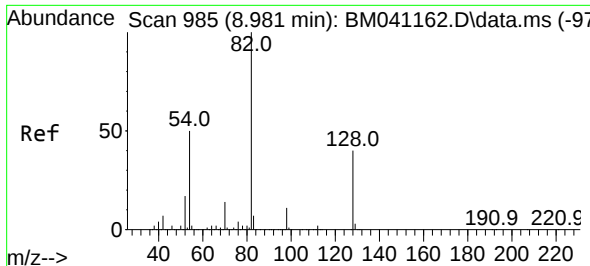


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1257
Delta R.T. -0.006 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45



Tgt Ion:136 Resp: 223474
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.1 6.9 10.3
68 5.7 5.4 8.2





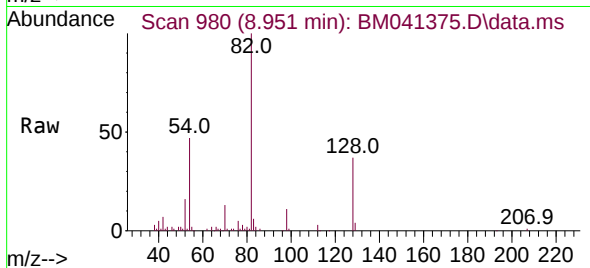
#23
Nitrobenzene-d5
Concen: 20.278 ng
RT: 8.951 min Scan# 985
Delta R.T. -0.006 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

Instrument :

BNA_M

ClientSampleId :

OK-1-080923

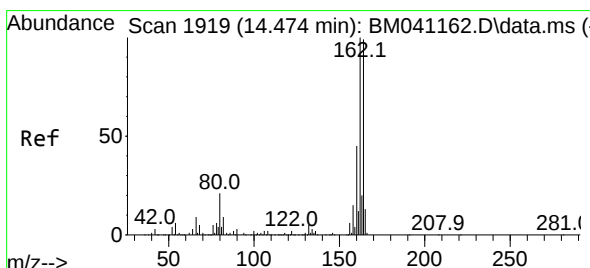
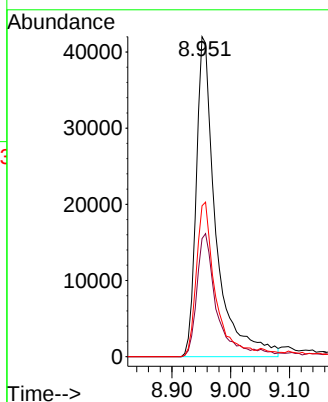
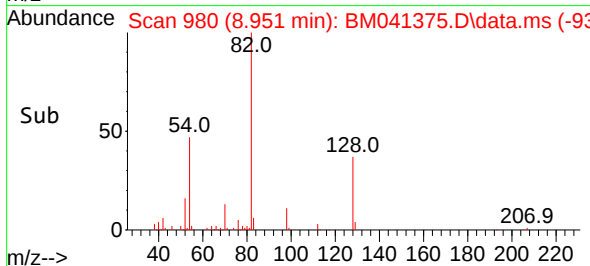


Tgt Ion: 82 Resp: 97442
Ion Ratio Lower Upper
82 100
128 36.9 31.8 47.6
54 47.1 40.1 60.1

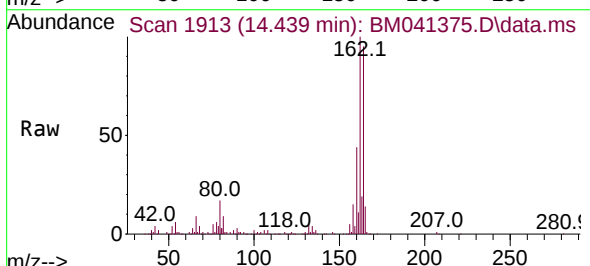
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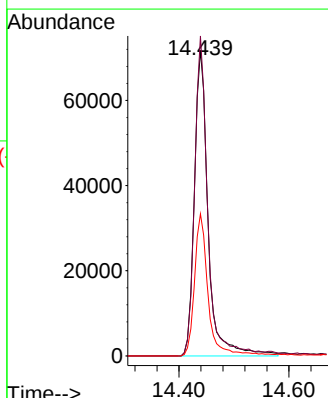
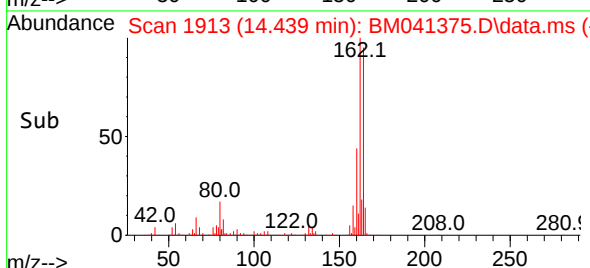
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

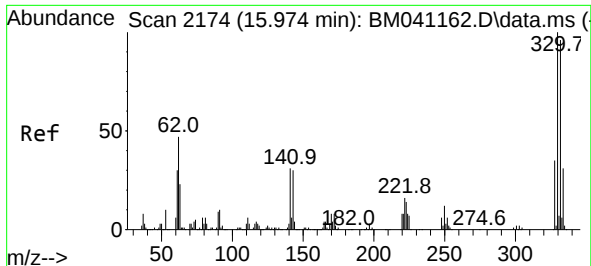


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45



Tgt Ion:164 Resp: 124686
Ion Ratio Lower Upper
164 100
162 104.9 80.4 120.6
160 46.6 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 35.623 ng
RT: 15.945 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

Instrument :

BNA_M

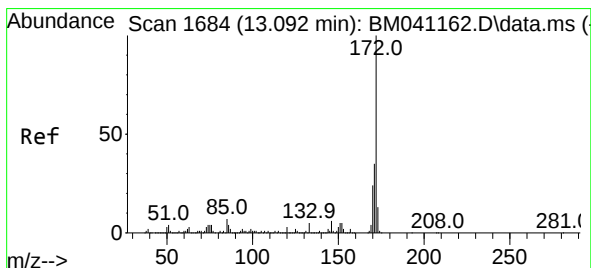
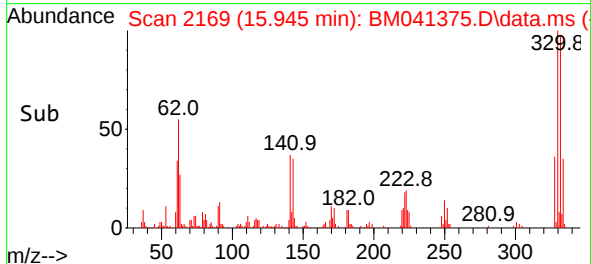
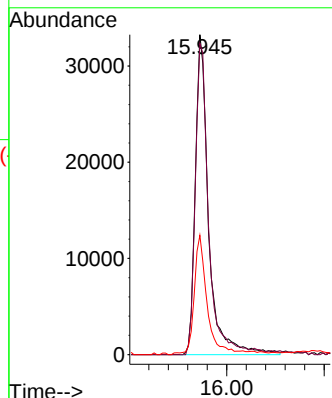
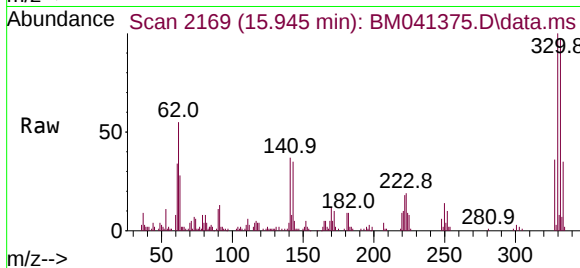
ClientSampleId :

OK-1-080923

Tgt Ion:330 Resp: 62825
Ion Ratio Lower Upper
330 100
332 96.4 77.7 116.5
141 35.8 28.3 42.5

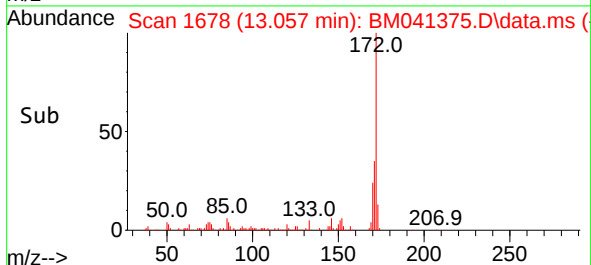
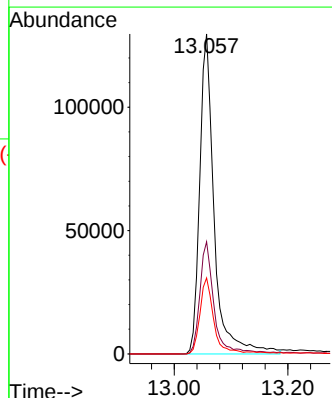
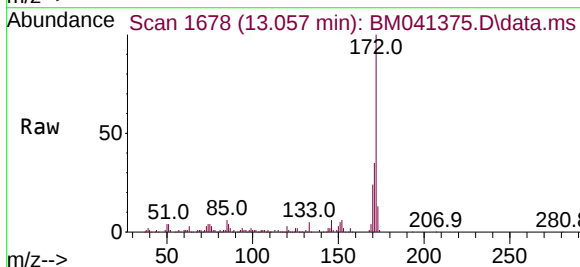
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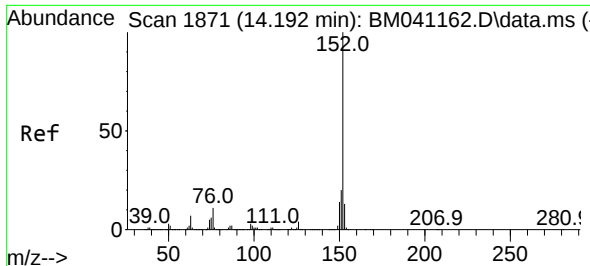
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#45
2-Fluorobiphenyl
Concen: 23.217 ng
RT: 13.057 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

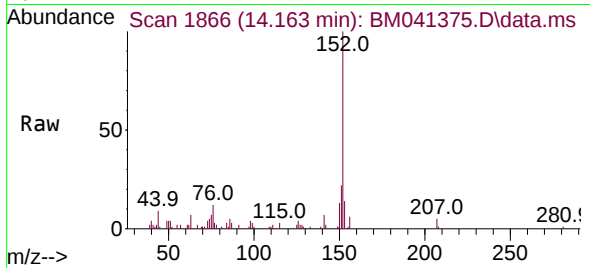
Tgt Ion:172 Resp: 229160
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.7 18.9 28.3





#49
Acenaphthylene
Concen: 2.603 ng
RT: 14.163 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

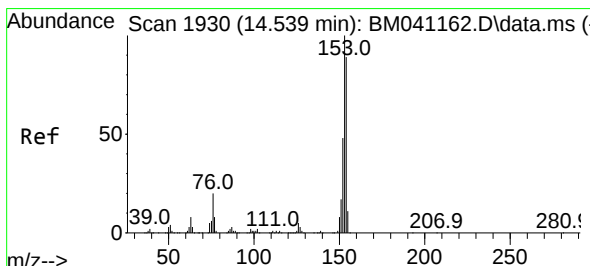
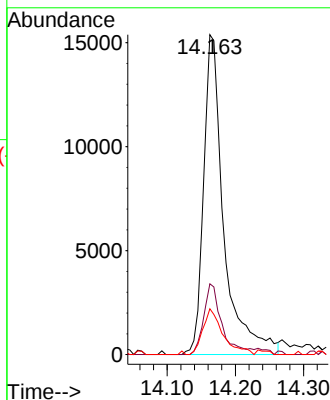
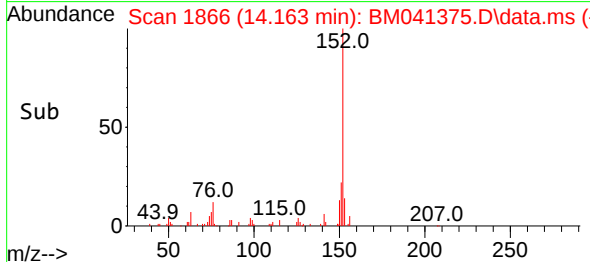
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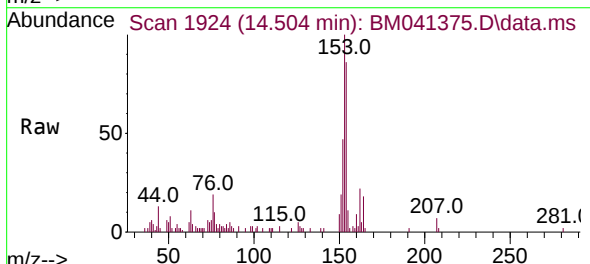
Tgt Ion:152 Resp: 31713
Ion Ratio Lower Upper
152 100
151 22.1 16.1 24.1
153 14.3 10.5 15.7

Manual Integrations
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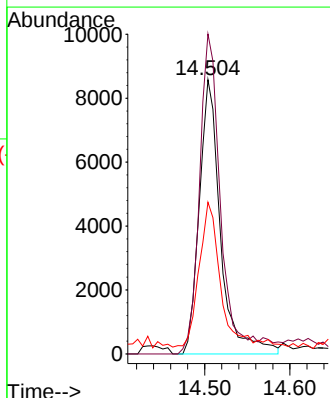
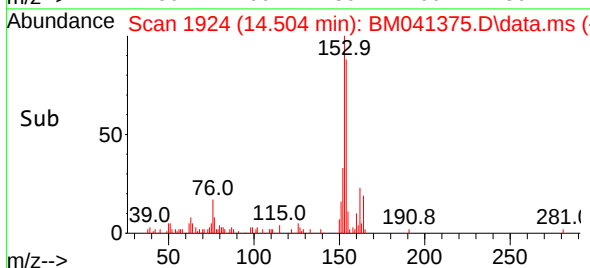
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

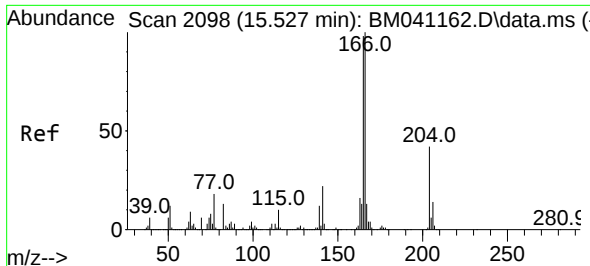


#52
Acenaphthene
Concen: 2.024 ng
RT: 14.504 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45



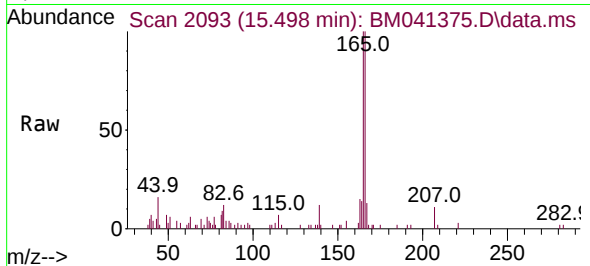
Tgt Ion:154 Resp: 14851
Ion Ratio Lower Upper
154 100
153 116.7 90.2 135.4
152 55.3 43.4 65.0





#58
Fluorene
Concen: 2.078 ng
RT: 15.498 min Scan# 2098
Delta R.T. -0.000 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

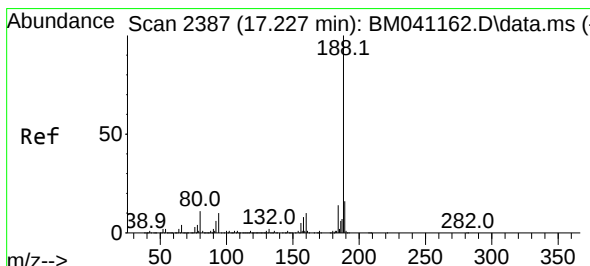
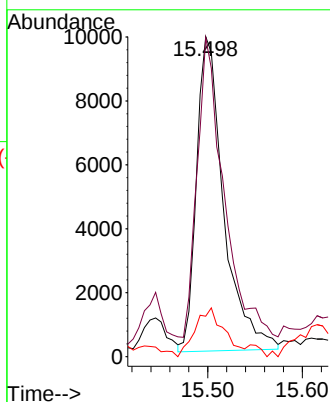
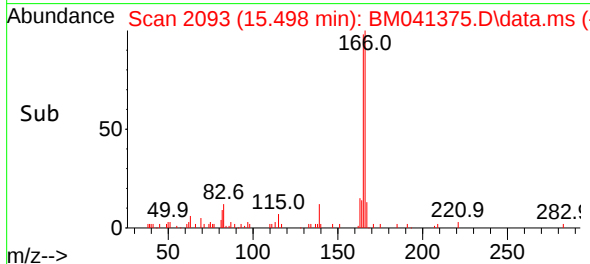
Instrument :
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ClientSampleId :
OK-1-080923



Tgt Ion:166 Resp: 19628
Ion Ratio Lower Upper
166 100
165 99.6 78.2 117.4
167 12.6 10.6 16.0

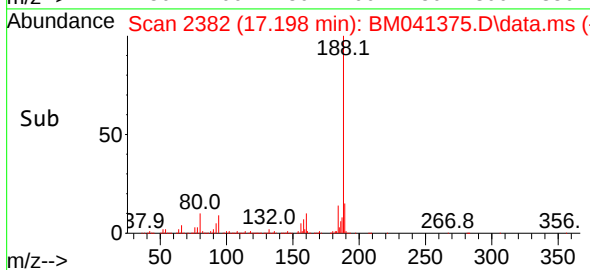
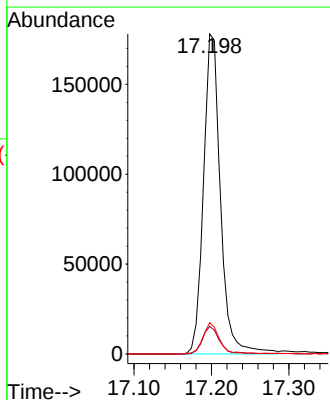
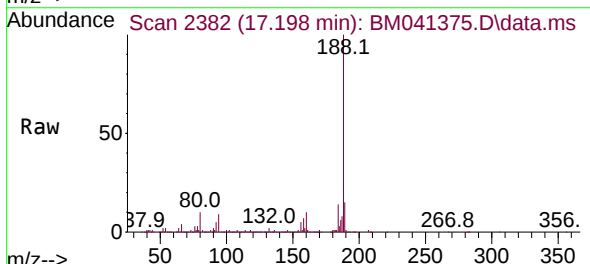
Manual Integrations
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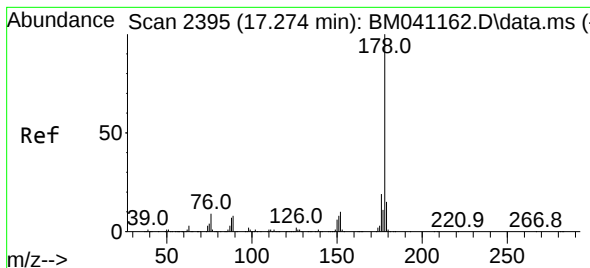
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2382
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

Tgt Ion:188 Resp: 271366
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 9.8 8.6 13.0





#71

Phenanthrene

Concen: 17.160 ng

RT: 17.245 min Scan# 2395

Delta R.T. -0.006 min

Lab File: BM041375.D

Acq: 10 Aug 2023 22:45

Instrument :

BNA_M

ClientSampleId :

OK-1-080923

Tgt Ion:178 Resp: 258722

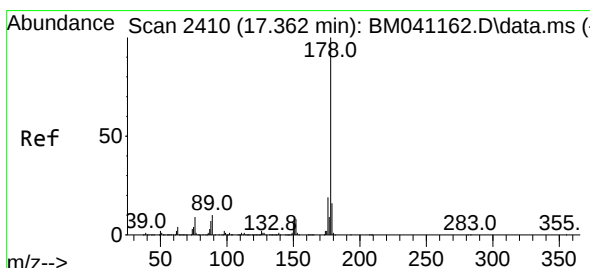
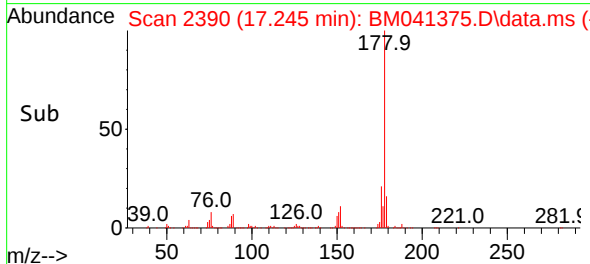
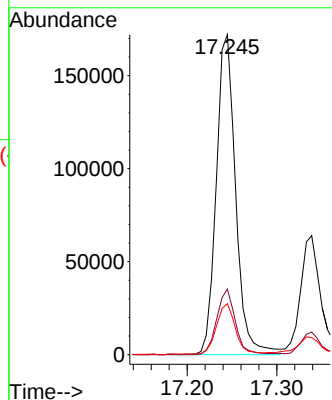
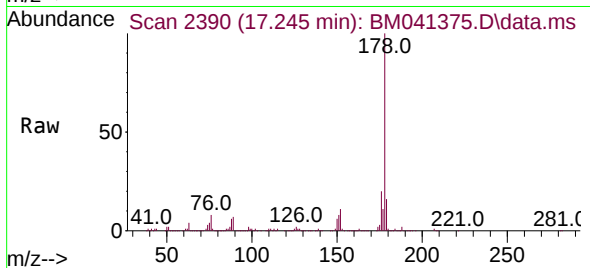
Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.6	23.4
179	15.9	12.1	18.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#72

Anthracene

Concen: 6.953 ng

RT: 17.339 min Scan# 2406

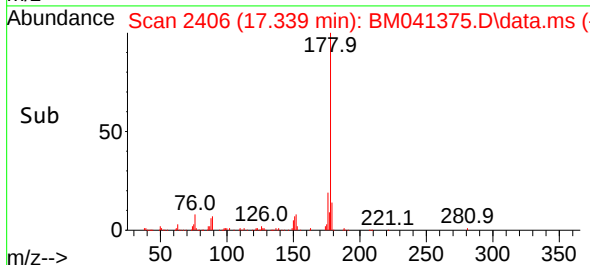
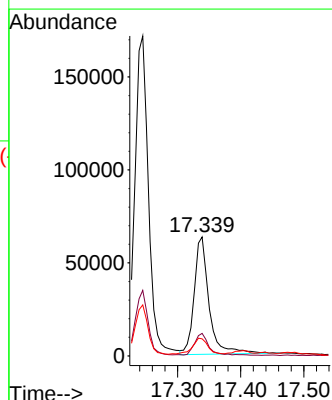
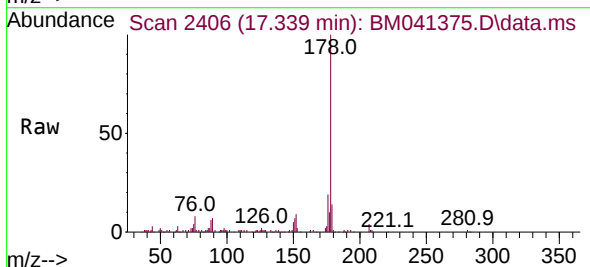
Delta R.T. -0.006 min

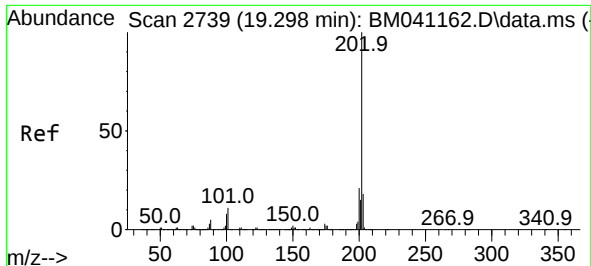
Lab File: BM041375.D

Acq: 10 Aug 2023 22:45

Tgt Ion:178 Resp: 103677

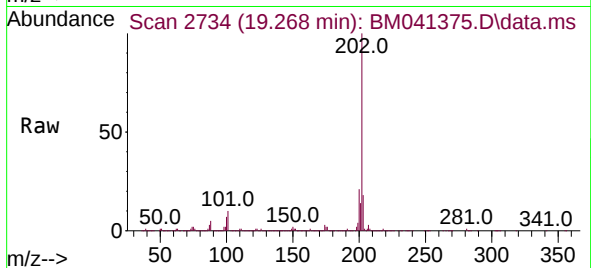
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	14.3	12.4	18.6





#75
Fluoranthene
Concen: 40.539 ng
RT: 19.268 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

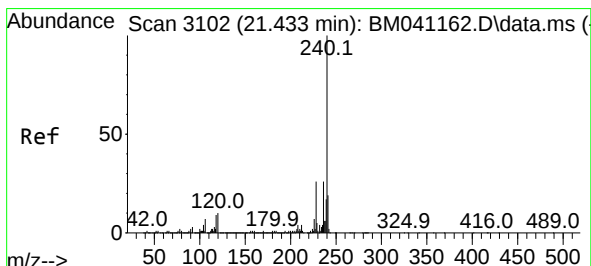
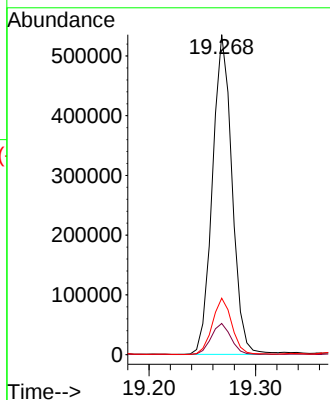
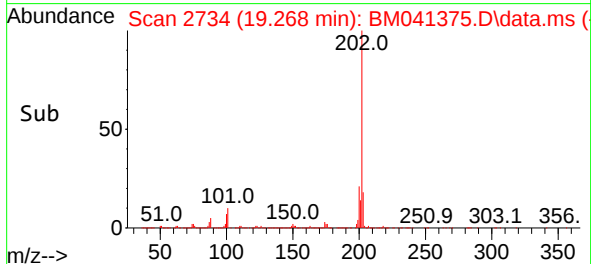
Instrument :
BNA_M
ClientSampleId :
OK-1-080923



Tgt Ion:202 Resp: 686688
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.8
203 17.6 0.0 37.6

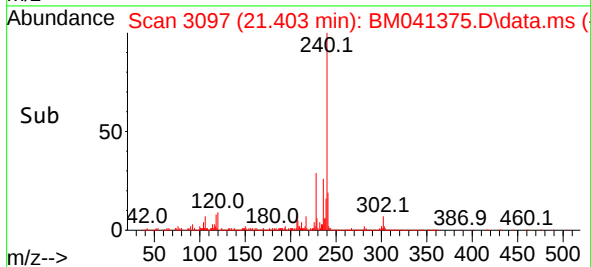
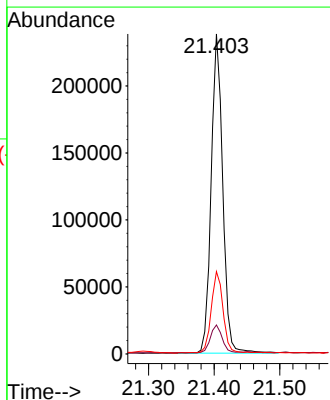
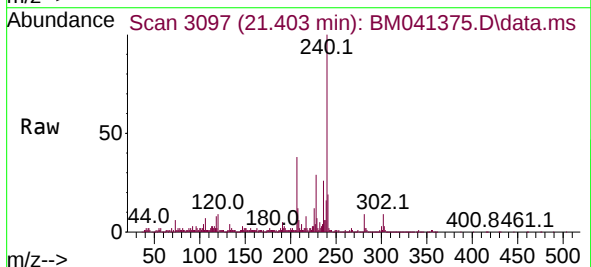
Manual Integrations
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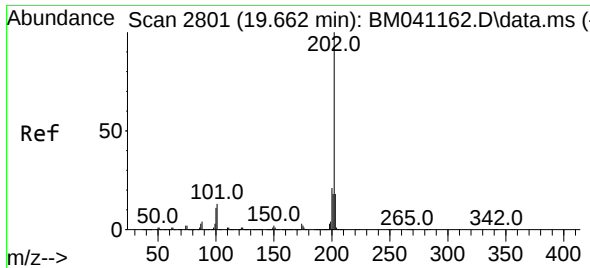
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3097
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

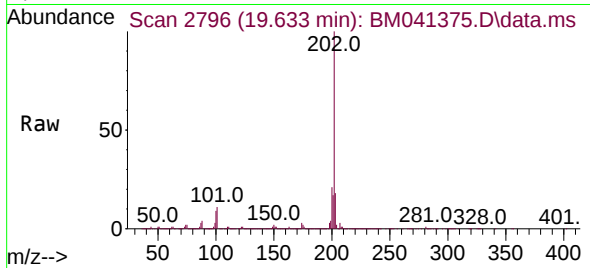
Tgt Ion:240 Resp: 292413
Ion Ratio Lower Upper
240 100
120 9.0 8.3 12.5
236 25.7 20.6 30.8





#78
Pyrene
Concen: 31.833 ng
RT: 19.633 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

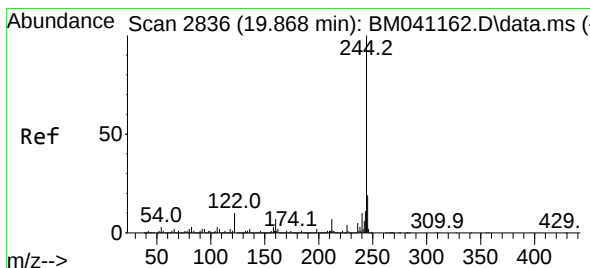
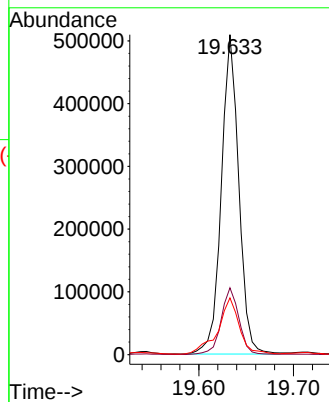
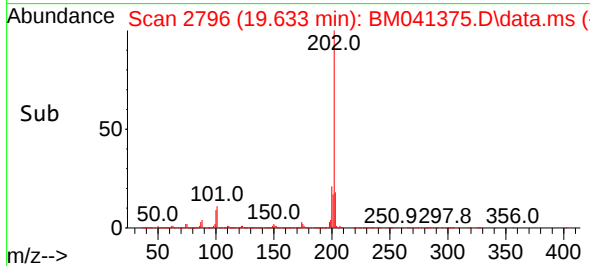
Instrument :
BNA_M
ClientSampleId :
OK-1-080923



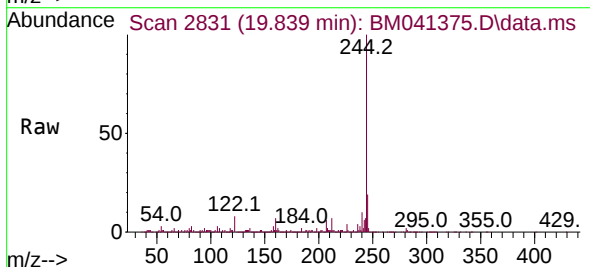
Tgt Ion:202 Resp: 650949
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.7 14.1 21.1

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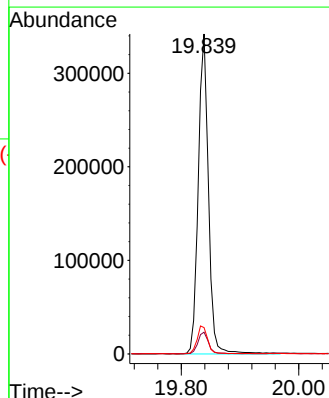
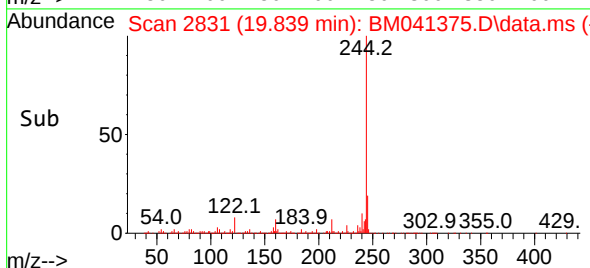
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

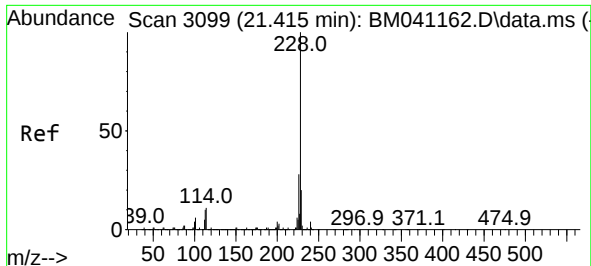


#79
Terphenyl-d14
Concen: 25.363 ng
RT: 19.839 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45



Tgt Ion:244 Resp: 410189
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 8.2 7.8 11.6





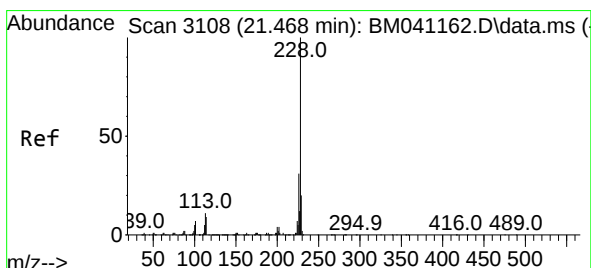
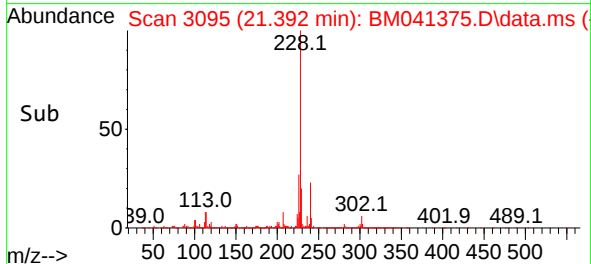
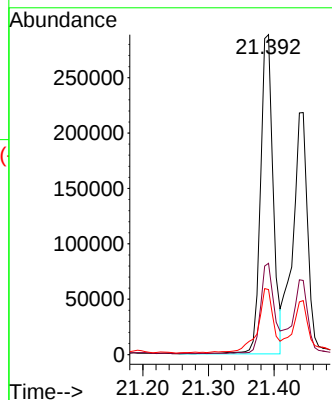
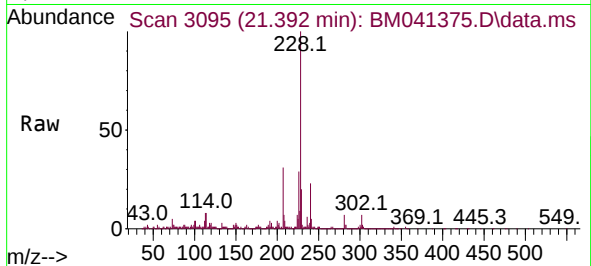
#81
Benzo(a)anthracene
Concen: 19.527 ng
RT: 21.392 min Scan# 3099
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

Instrument :
BNA_M
ClientSampleId :
OK-1-080923

Tgt Ion:228 Resp: 387079
Ion Ratio Lower Upper
228 100
226 28.5 22.4 33.6
229 20.4 15.8 23.8

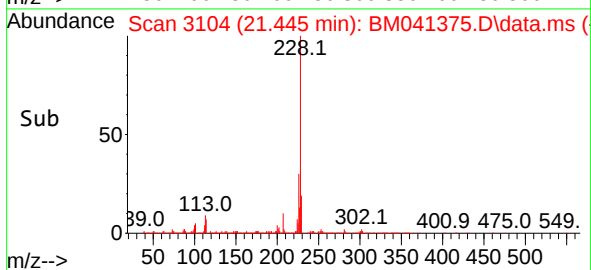
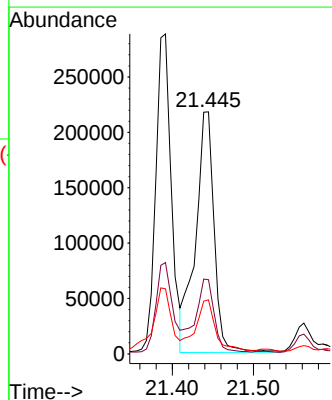
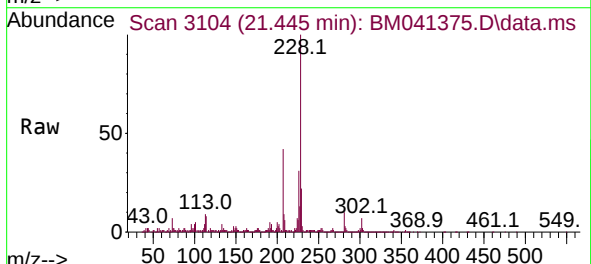
Manual Integrations
APPROVED

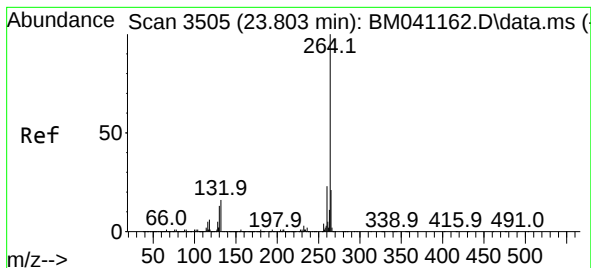
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#83
Chrysene
Concen: 18.182 ng
RT: 21.445 min Scan# 3104
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

Tgt Ion:228 Resp: 348616
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 22.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.768 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM041375.D

Acq: 10 Aug 2023 22:45

Instrument :

BNA_M

ClientSampleId :

OK-1-080923

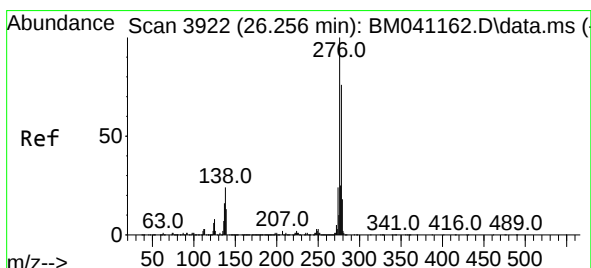
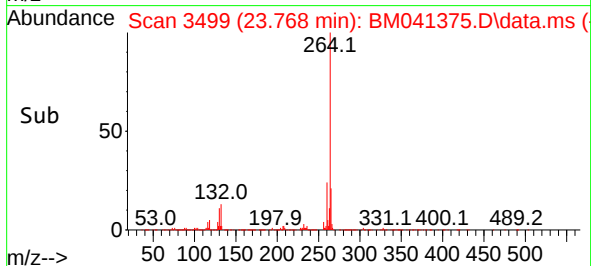
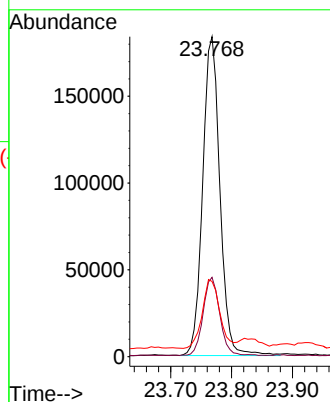
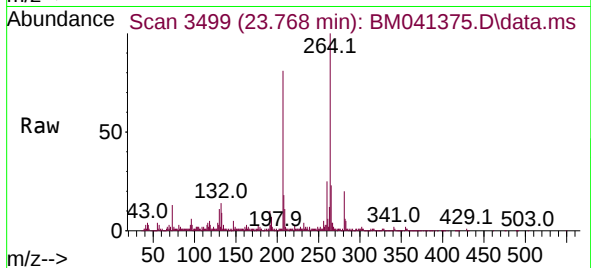
Tgt Ion:	264	Resp:	360846
Ion Ratio	Lower	Upper	
264	100		
260	24.8	18.5	27.7
265	23.5	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.198 ng

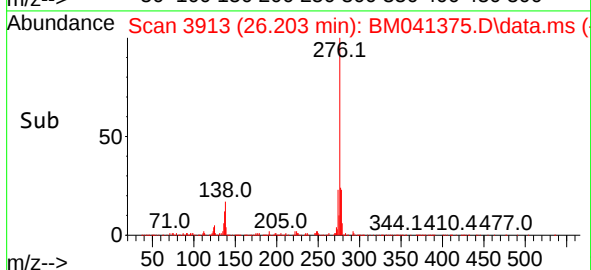
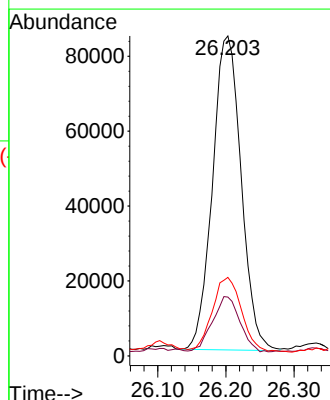
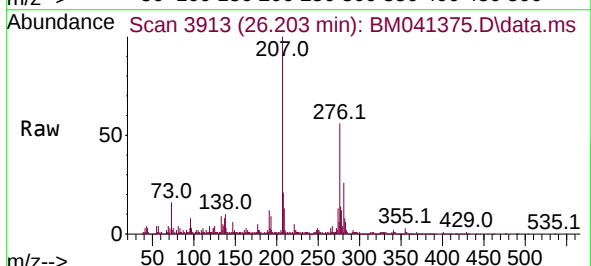
RT: 26.203 min Scan# 3913

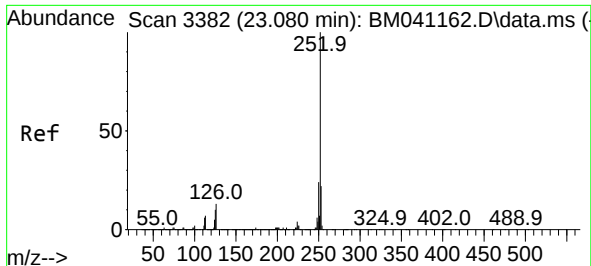
Delta R.T. -0.030 min

Lab File: BM041375.D

Acq: 10 Aug 2023 22:45

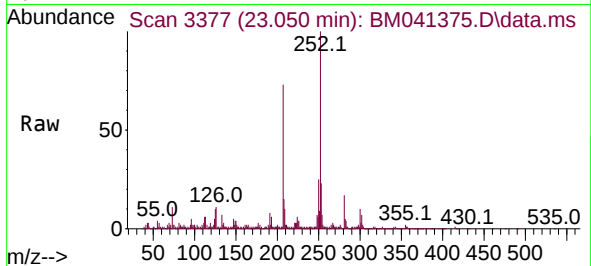
Tgt Ion:	276	Resp:	244030
Ion Ratio	Lower	Upper	
276	100		
138	16.7	20.0	30.0#
277	24.6	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 22.176 ng
RT: 23.050 min Scan# 3382
Delta R.T. -0.012 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

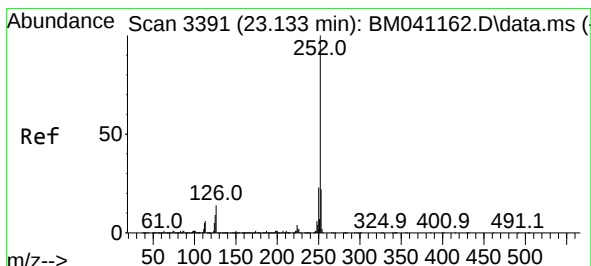
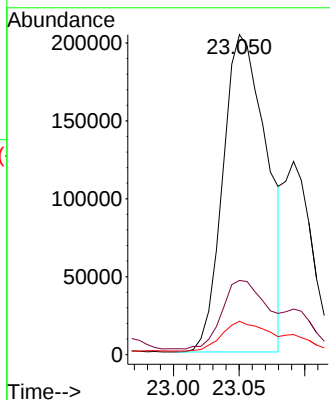
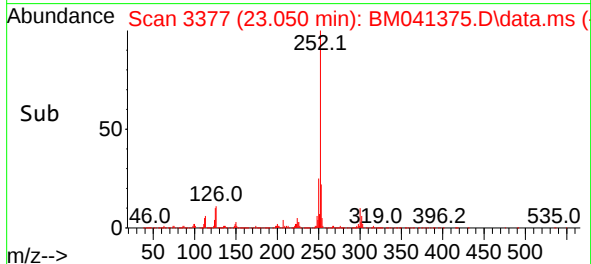
Instrument :
BNA_M
ClientSampleId :
OK-1-080923



Tgt Ion:252 Resp: 475379
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 10.4 8.2 12.4

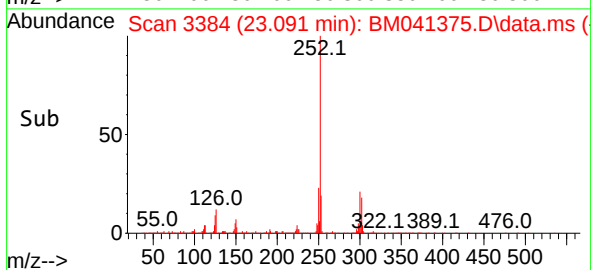
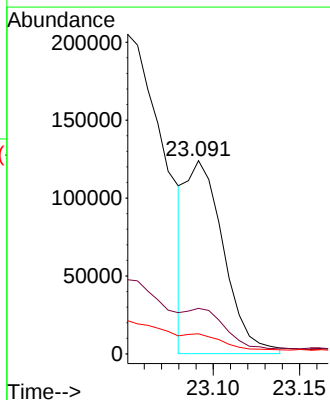
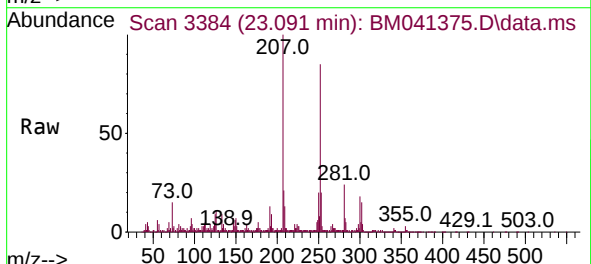
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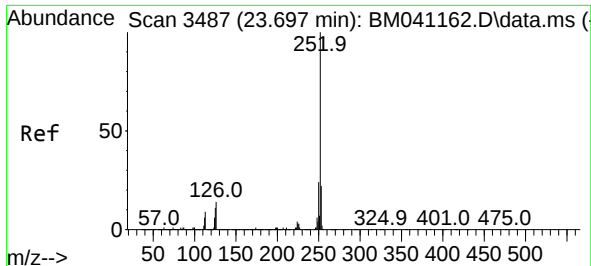
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#89
Benzo(k)fluoranthene
Concen: 8.546 ng m
RT: 23.091 min Scan# 3384
Delta R.T. -0.018 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

Tgt Ion:252 Resp: 187390
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 10.4 7.6 11.4





#90
Benzo(a)pyrene
Concen: 17.849 ng
RT: 23.662 min Scan# 3481
Delta R.T. -0.018 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

Instrument :

BNA_M

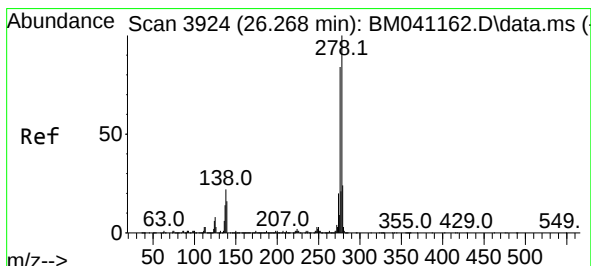
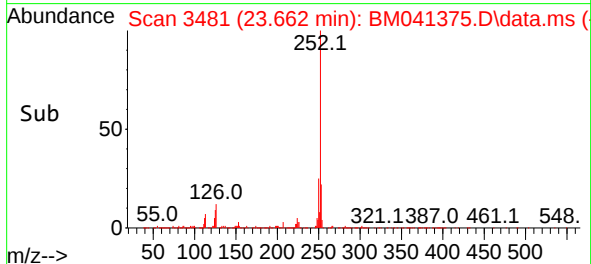
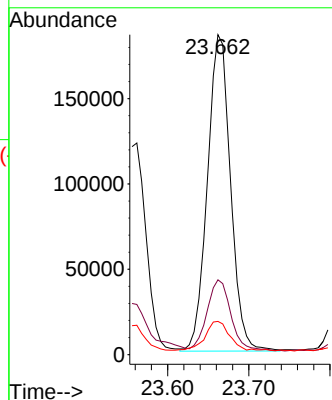
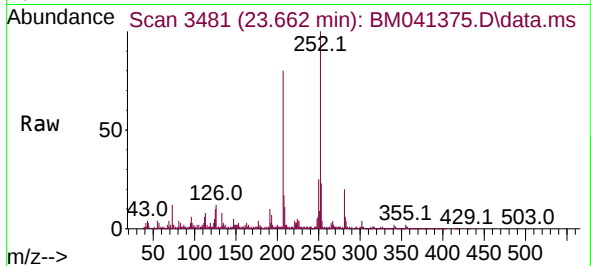
ClientSampleId :

OK-1-080923

Tgt Ion:252 Resp: 367652
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 10.4 9.0 13.4

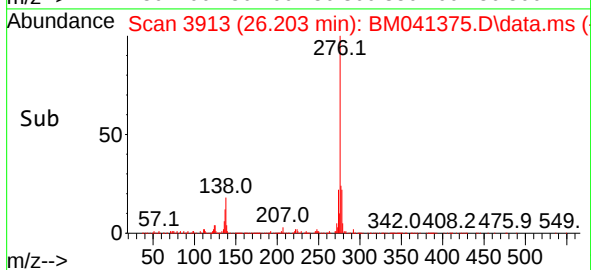
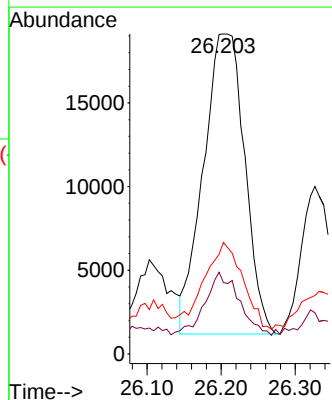
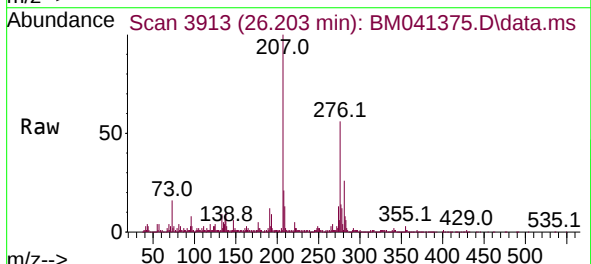
Manual Integrations
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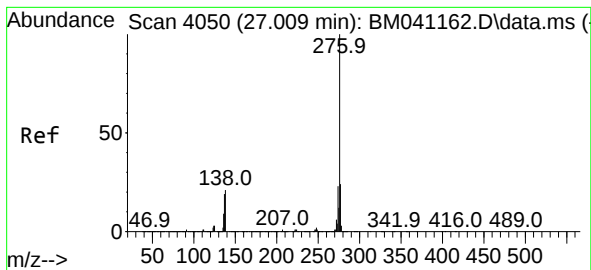
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.146 ng
RT: 26.203 min Scan# 3913
Delta R.T. -0.041 min
Lab File: BM041375.D
Acq: 10 Aug 2023 22:45

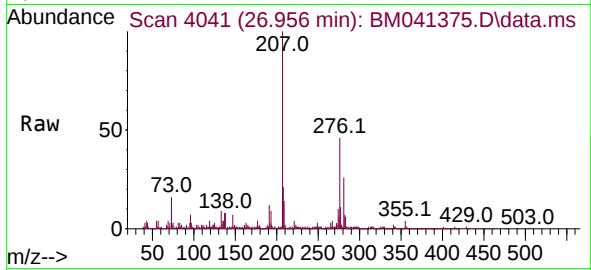
Tgt Ion:278 Resp: 69625
Ion Ratio Lower Upper
278 100
139 26.4 12.7 19.1#
279 34.8 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 10.977 ng
 RT: 26.956 min Scan# 40
 Delta R.T. -0.030 min
 Lab File: BM041375.D
 Acq: 10 Aug 2023 22:45

Instrument :
 BNA_M
 ClientSampleId :
 OK-1-080923



Tgt Ion: 276 Resp: 237675
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.1 28.7
 138 18.4 17.1 25.7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

