

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110223\
 Data File : BM042564.D
 Acq On : 02 Nov 2023 16:49
 Operator : MA/JU
 Sample : 04938-09DL 200X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-5(0-2)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023

Quant Time: Nov 02 22:41:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	52857	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	200123	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	122028	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	262512	20.000	ng	0.00
76) Chrysene-d12	21.509	240	299943	20.000	ng	0.00
86) Perylene-d12	23.927	264	331490	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	789	0.241	ng	0.00
7) Phenol-d6	7.098	99	849	0.189	ng	0.00
23) Nitrobenzene-d5	9.134	82	740	0.172	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	333	0.209	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	1753	0.193	ng	0.00
79) Terphenyl-d14	19.933	244	4820	0.272	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.633	154	24370	3.543	ng	98
58) Fluorene	15.621	166	27963	3.090	ng	99
71) Phenanthrene	17.368	178	684390	49.887	ng	99
72) Anthracene	17.457	178	132417	9.745	ng	99
73) Carbazole	17.745	167	82280	7.443	ng	99
75) Fluoranthene	19.380	202	1484108	92.095	ng	98
78) Pyrene	19.751	202	1269026	61.615	ng	99
81) Benzo(a)anthracene	21.492	228	640204	33.547	ng	99
83) Chrysene	21.545	228	570219	29.415	ng	98
87) Indeno(1,2,3-cd)pyrene	26.456	276	382901	19.408	ng	# 91
88) Benzo(b)fluoranthene	23.186	252	801085	43.377	ng	98
89) Benzo(k)fluoranthene	23.227	252	280317m	13.621	ng	
90) Benzo(a)pyrene	23.821	252	562620m	30.944	ng	
91) Dibenzo(a,h)anthracene	26.468	278	80530m	8.178	ng	
92) Benzo(g,h,i)perylene	27.256	276	382724	22.010	ng	# 95

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

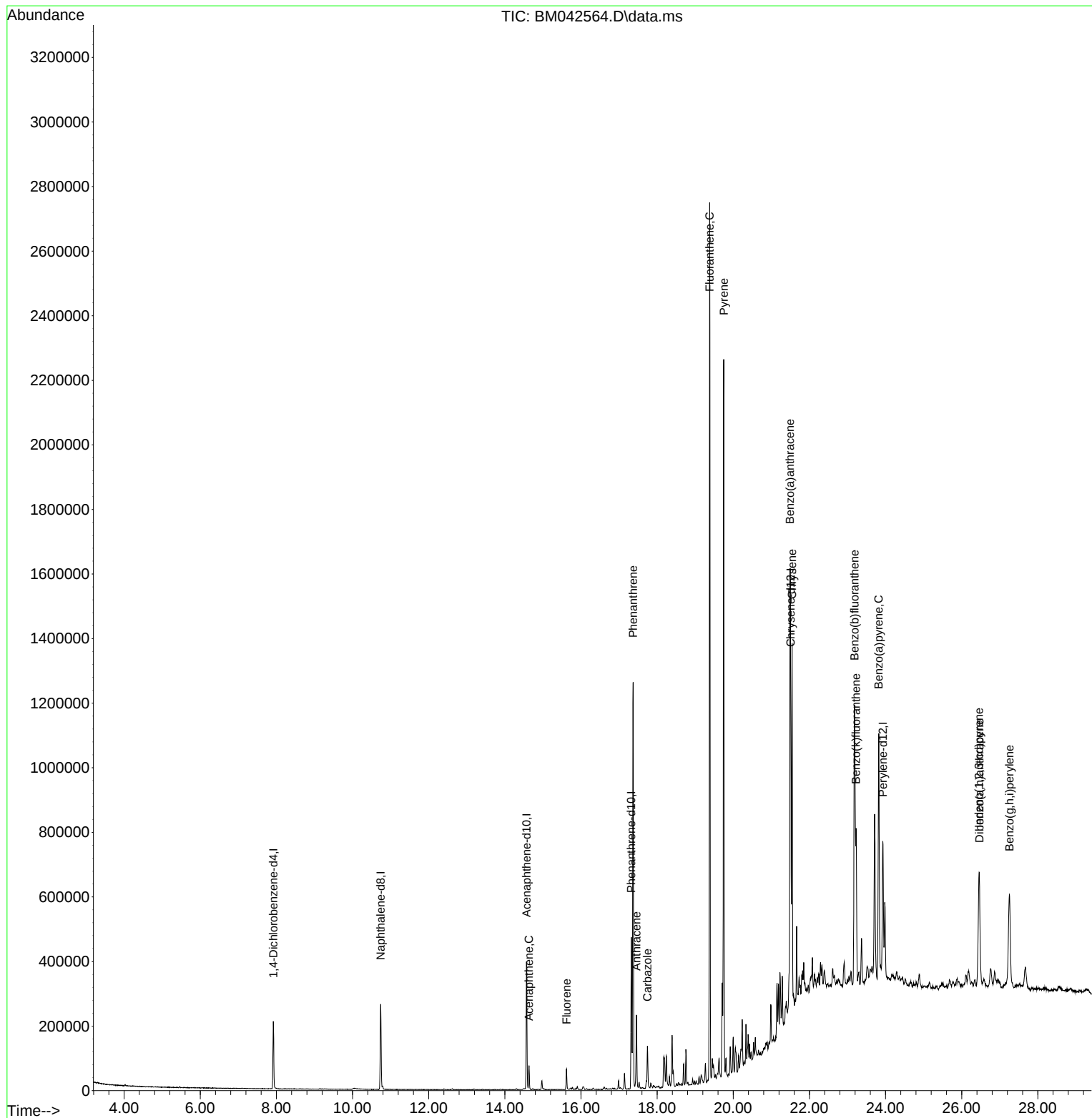
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110223\
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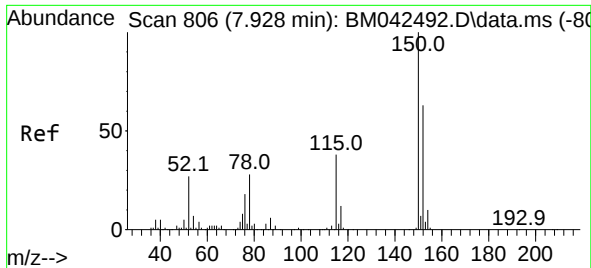
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Quant Time: Nov 02 22:41:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
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Response via : Initial Calibration

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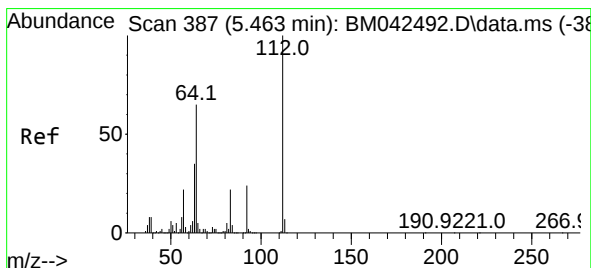
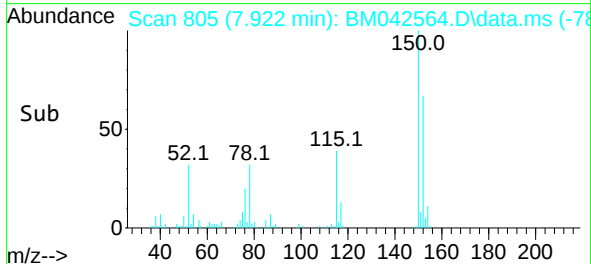
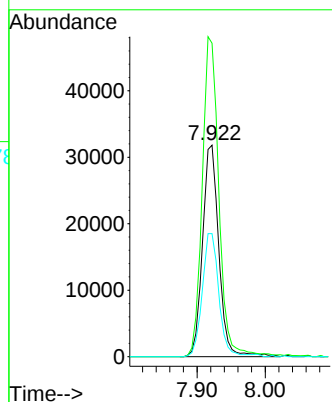
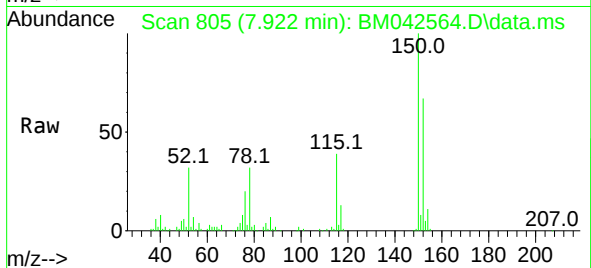
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL

Tgt Ion:152 Resp: 5285
Ion Ratio Lower Upper
152 100
150 148.2 127.4 191.0
115 58.2 47.9 71.9

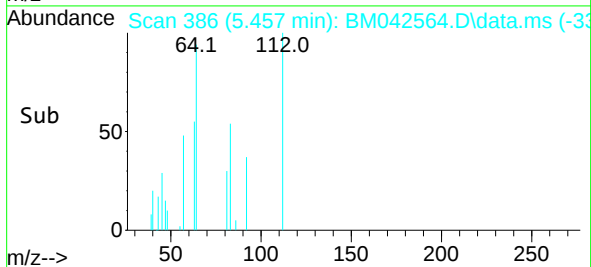
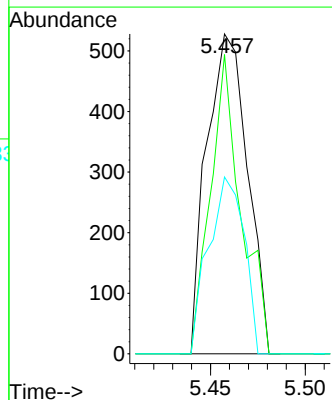
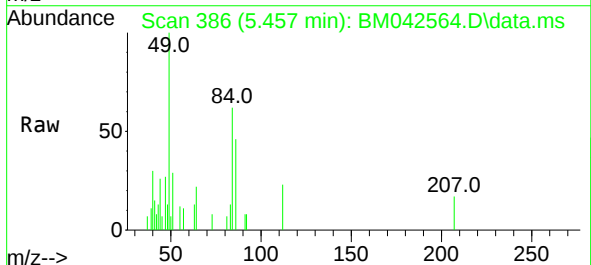
Manual Integrations
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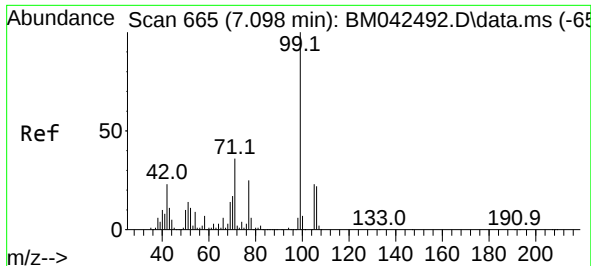
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



#5
2-Fluorophenol
Concen: 0.241 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

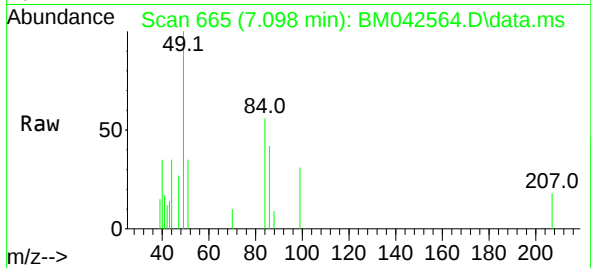
Tgt Ion:112 Resp: 789
Ion Ratio Lower Upper
112 100
64 93.6 52.1 78.1#
63 55.3 28.3 42.5#





#7
Phenol-d6
Concen: 0.189 ng
RT: 7.098 min Scan# 665
Delta R.T. -0.000 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

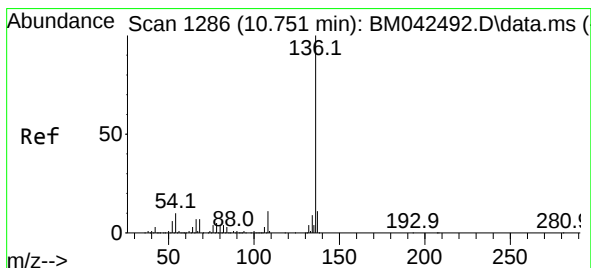
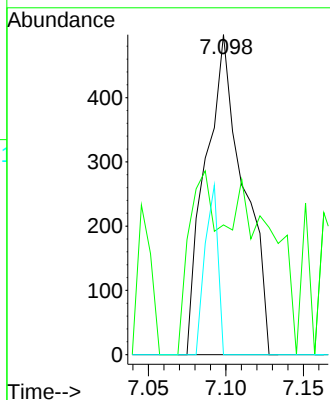
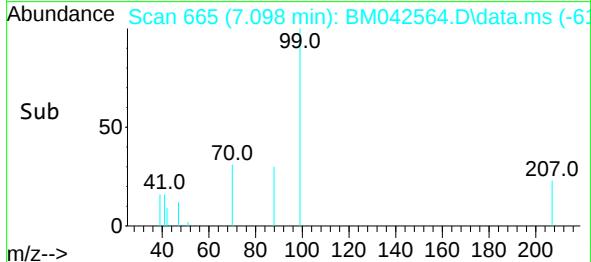
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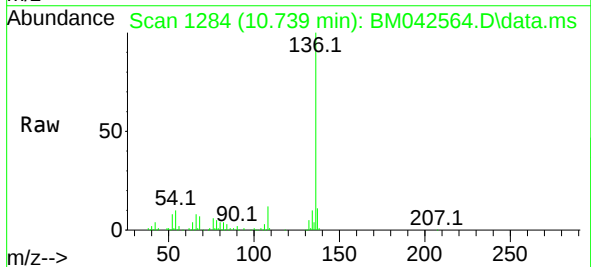
Tgt Ion: 99 Resp: 849
Ion Ratio Lower Upper
99 100
42 40.6 18.7 28.1
71 0.0 29.1 43.7

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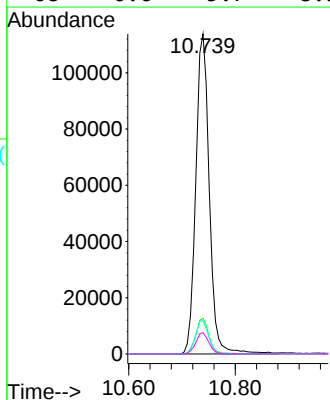
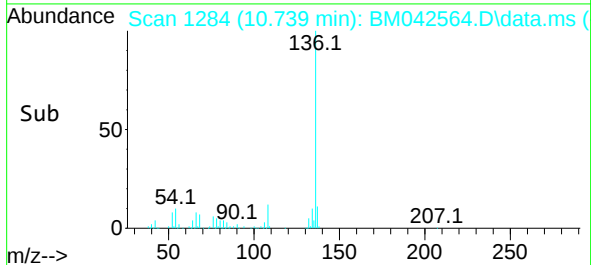
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

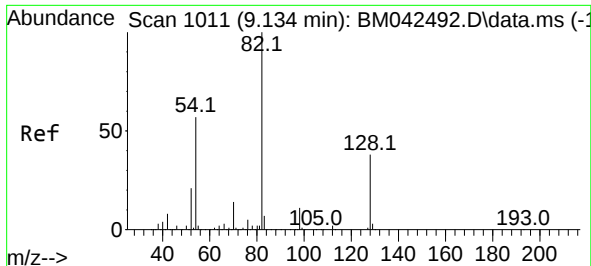


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49



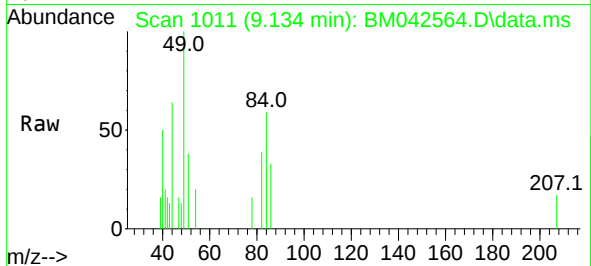
Tgt Ion:136 Resp: 200123
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.5 8.0 12.0
68 6.6 5.7 8.5





#23
Nitrobenzene-d5
Concen: 0.172 ng
RT: 9.134 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

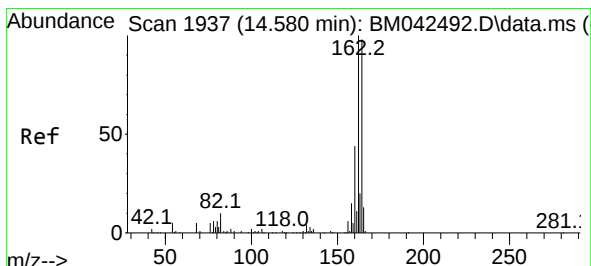
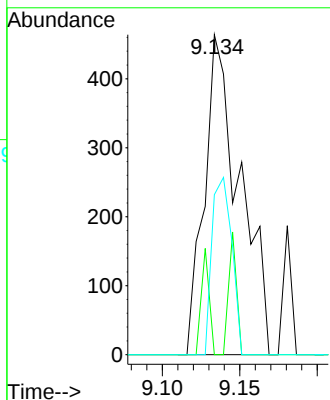
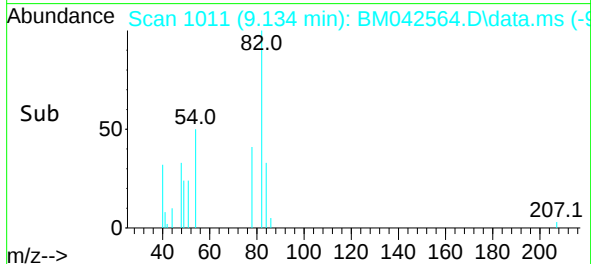
Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL



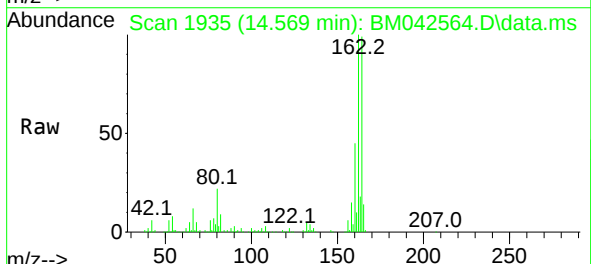
Tgt Ion: 82 Resp: 740
Ion Ratio Lower Upper
82 100
128 0.0 30.7 46.1
54 50.0 45.3 67.9

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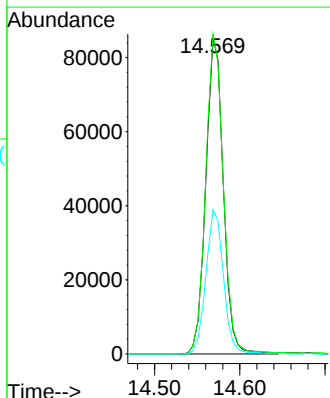
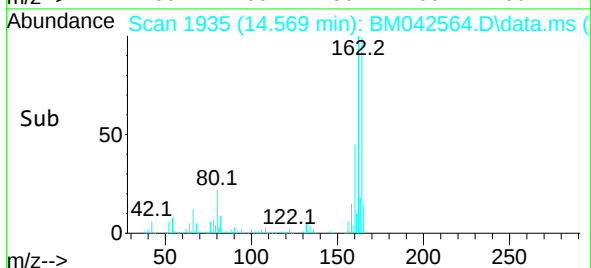
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

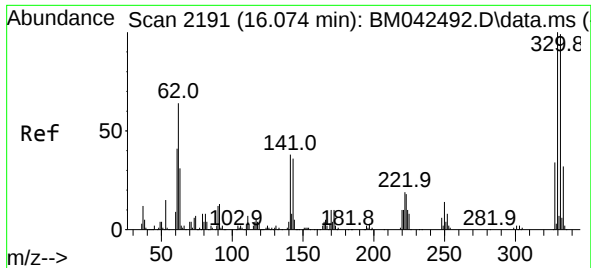


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. -0.011 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49



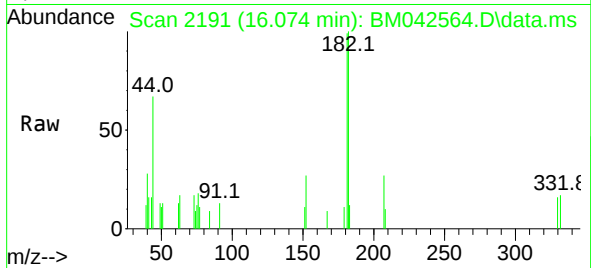
Tgt Ion:164 Resp: 122028
Ion Ratio Lower Upper
164 100
162 101.2 81.6 122.4
160 45.7 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 0.209 ng
RT: 16.074 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

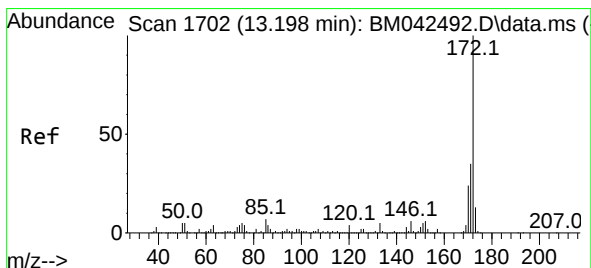
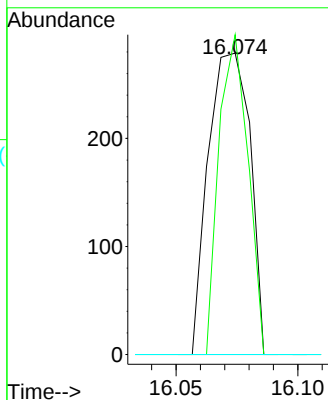
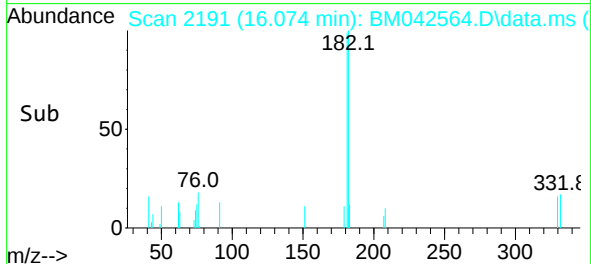
Instrument :
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ClientSampleId :
A-5(0-2)DL



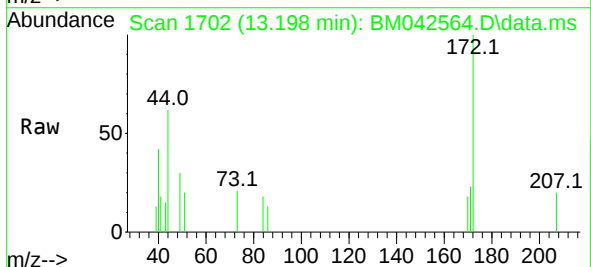
Tgt Ion:330 Resp: 330
Ion Ratio Lower Upper
330 100
332 73.6 78.8 118.2
141 0.0 31.1 46.7

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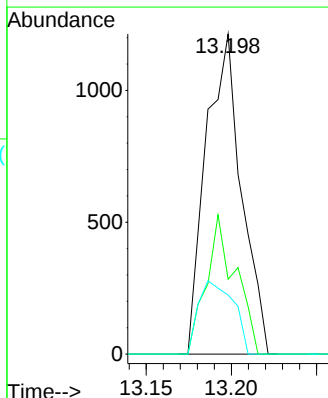
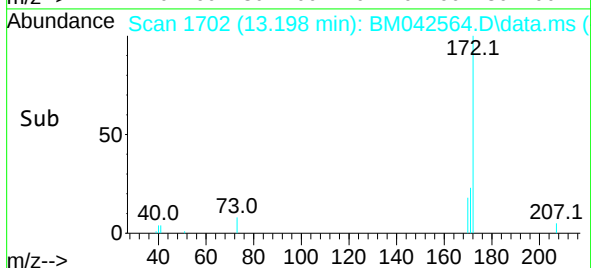
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

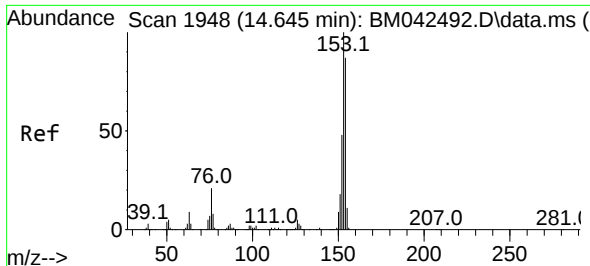


#45
2-Fluorobiphenyl
Concen: 0.193 ng
RT: 13.198 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49



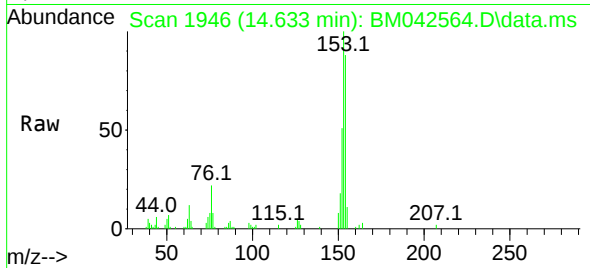
Tgt Ion:172 Resp: 1753
Ion Ratio Lower Upper
172 100
171 23.4 28.2 42.2#
170 18.5 19.0 28.4#





#52
Acenaphthene
Concen: 3.543 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

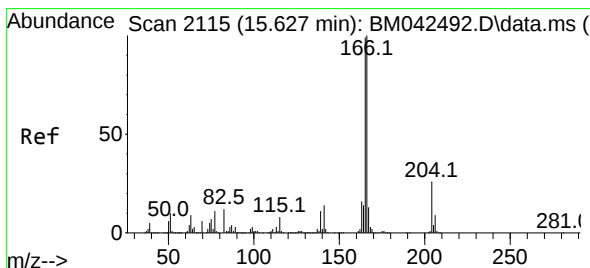
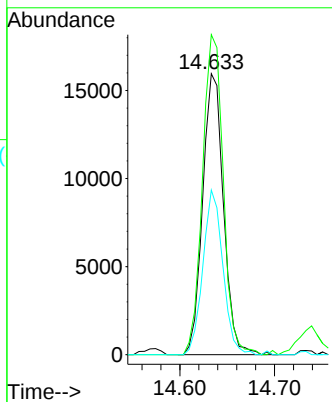
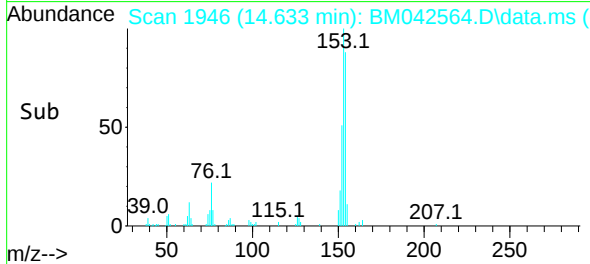
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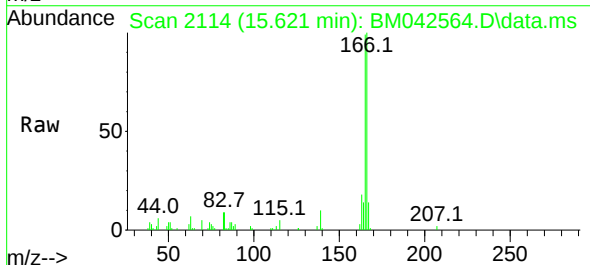
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Ion Ratio Lower Upper
154 100
153 113.9 92.0 138.0
152 58.6 44.0 66.0

Manual Integrations
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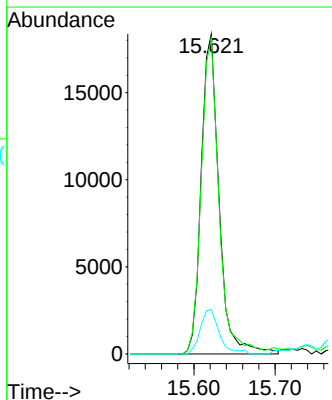
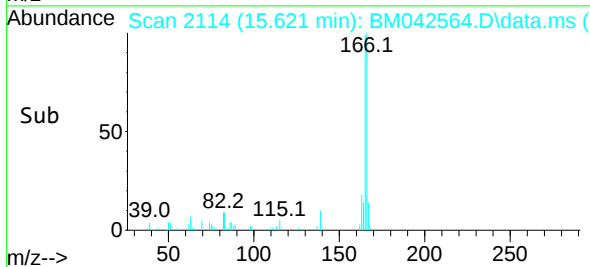
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

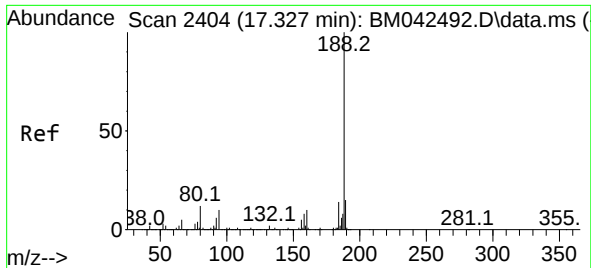


#58
Fluorene
Concen: 3.090 ng
RT: 15.621 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49



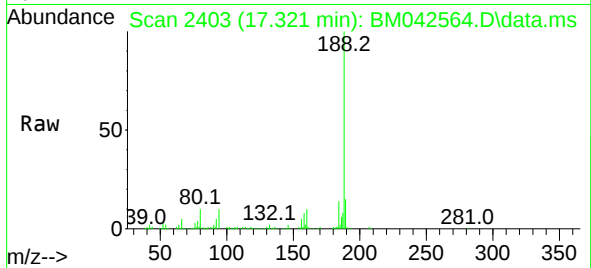
Tgt Ion:166 Resp: 27963
Ion Ratio Lower Upper
166 100
165 98.6 79.3 118.9
167 13.9 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

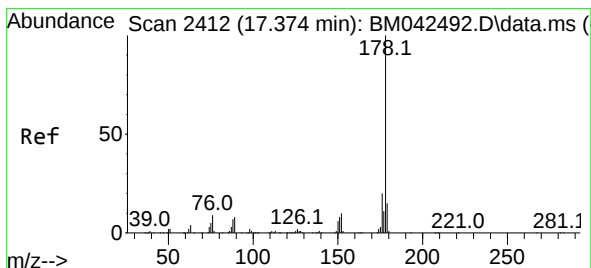
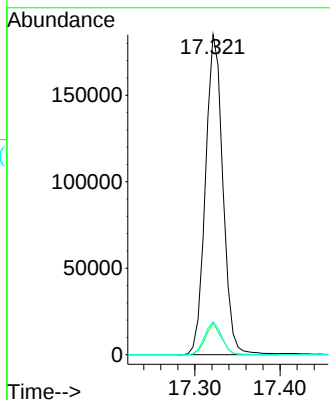
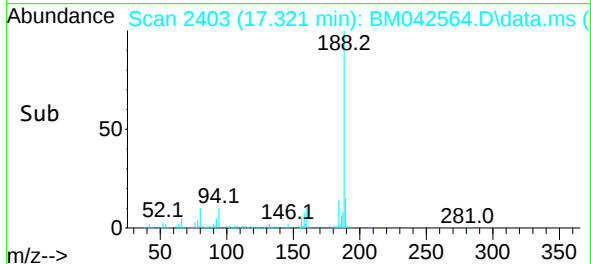
Instrument :
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Tgt Ion:188 Resp: 262512
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.4
80 10.3 9.4 14.2

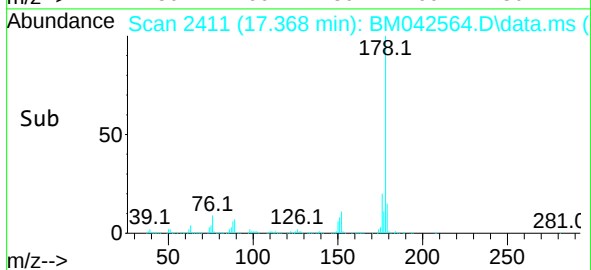
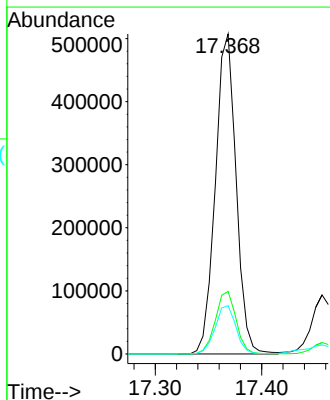
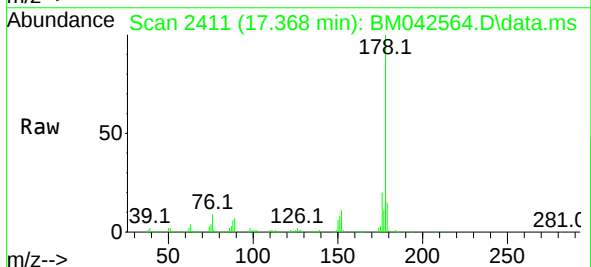
Manual Integrations
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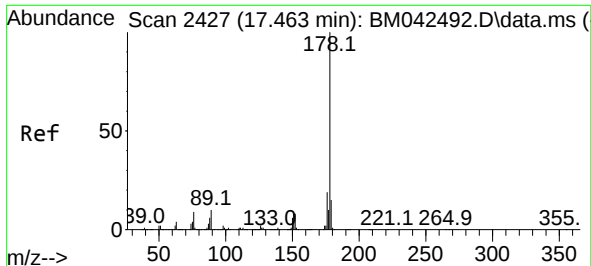
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



#71
Phenanthrene
Concen: 49.887 ng
RT: 17.368 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

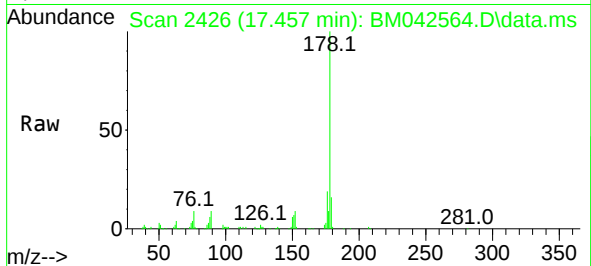
Tgt Ion:178 Resp: 684390
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.1 12.2 18.4





#72
 Anthracene
 Concen: 9.745 ng
 RT: 17.457 min Scan# 2427
 Delta R.T. -0.006 min
 Lab File: BM042564.D
 Acq: 02 Nov 2023 16:49

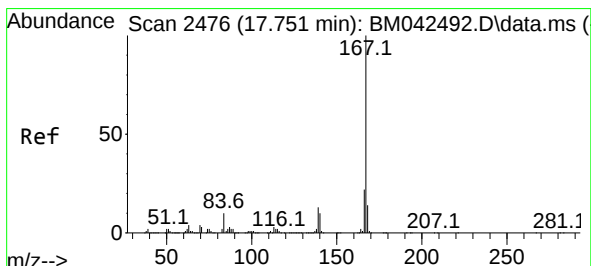
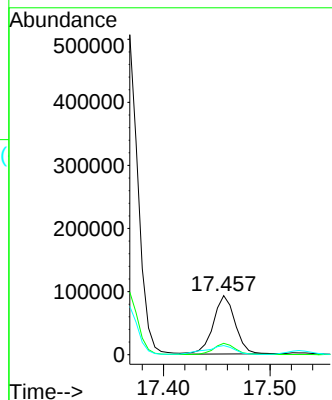
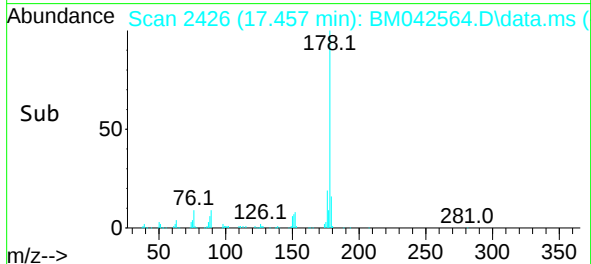
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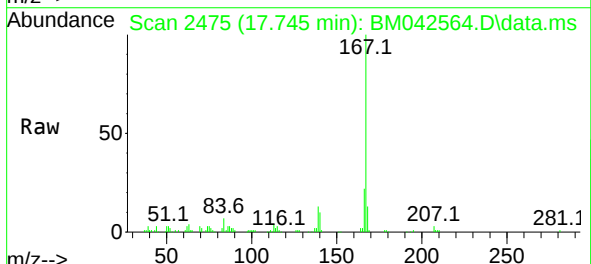
Tgt Ion:178 Resp: 132417
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.2 22.8
 179 15.5 12.3 18.5

Manual Integrations
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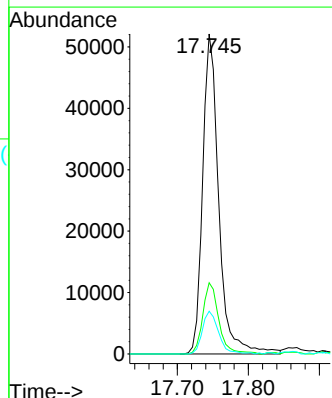
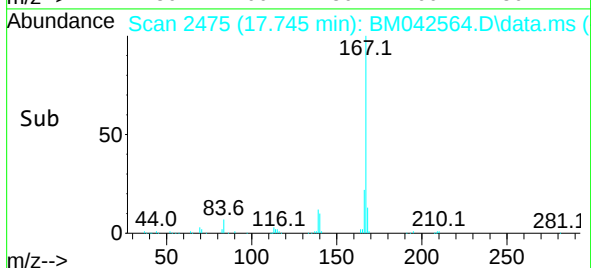
Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023

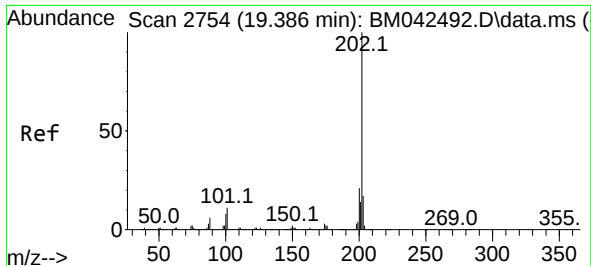


#73
 Carbazole
 Concen: 7.443 ng
 RT: 17.745 min Scan# 2475
 Delta R.T. -0.006 min
 Lab File: BM042564.D
 Acq: 02 Nov 2023 16:49



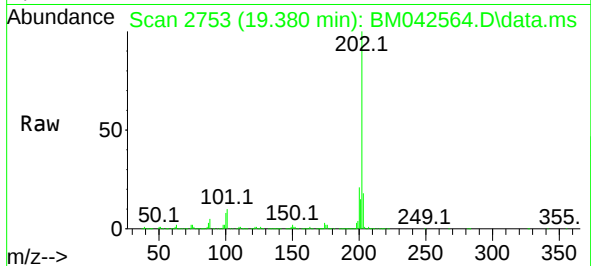
Tgt Ion:167 Resp: 82280
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.2
 139 13.3 10.5 15.7





#75
Fluoranthene
Concen: 92.095 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

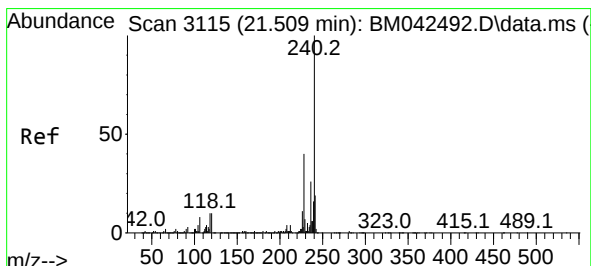
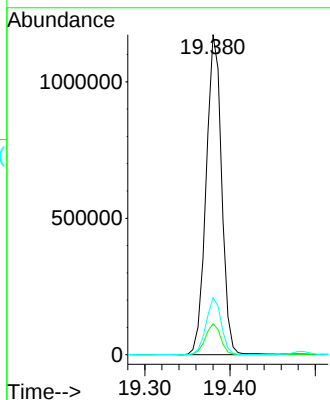
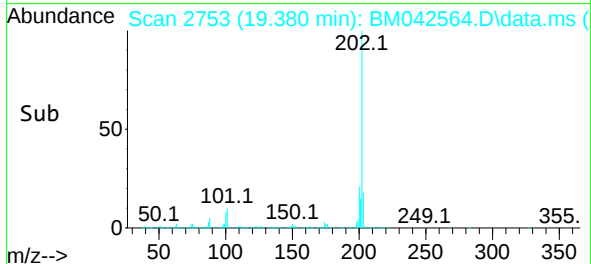
Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL



Tgt Ion:202 Resp: 1484108
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.5
203 17.8 0.0 37.0

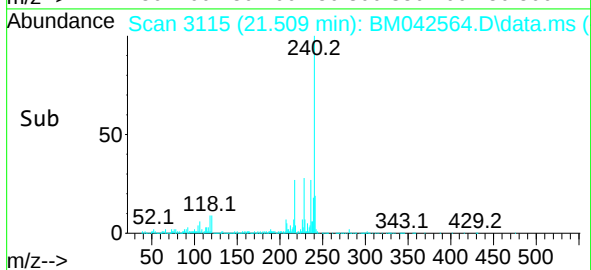
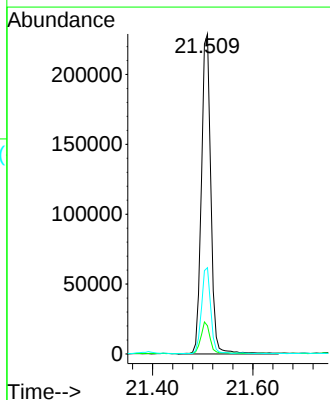
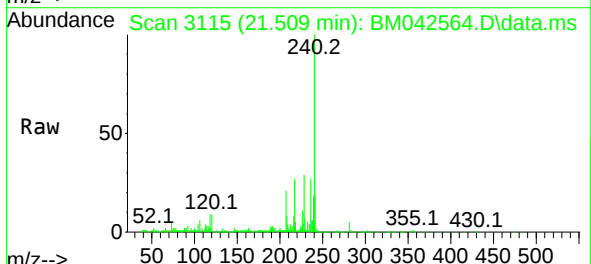
Manual Integrations
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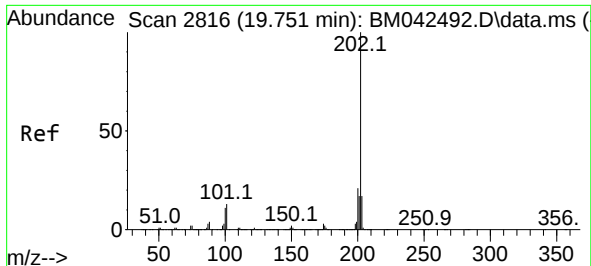
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.509 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

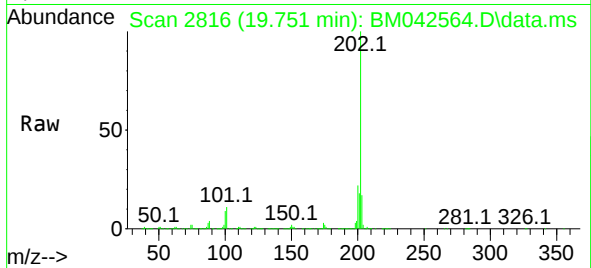
Tgt Ion:240 Resp: 299943
Ion Ratio Lower Upper
240 100
120 8.8 8.3 12.5
236 27.0 20.8 31.2





#78
Pyrene
Concen: 61.615 ng
RT: 19.751 min Scan# 2816
Delta R.T. -0.000 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

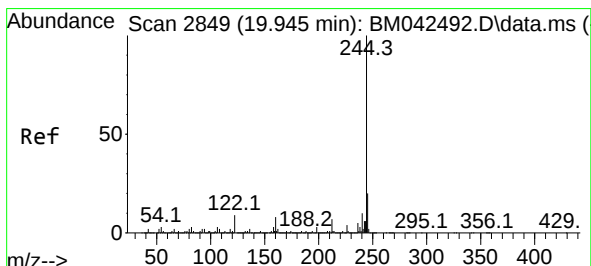
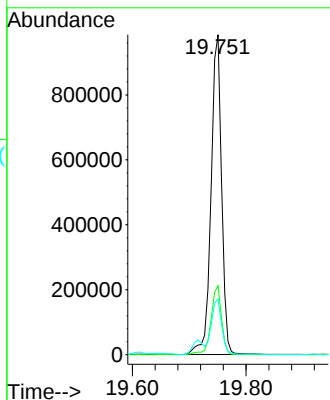
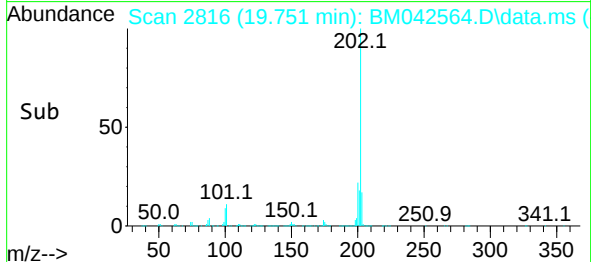
Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL



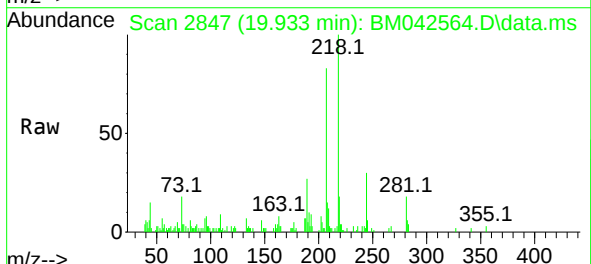
Tgt Ion:202 Resp: 1269020
Ion Ratio Lower Upper
202 100
200 21.6 16.9 25.3
203 17.4 13.7 20.5

Manual Integrations
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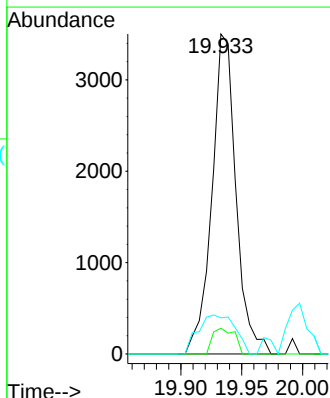
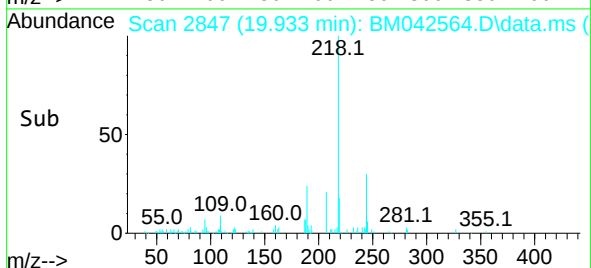
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

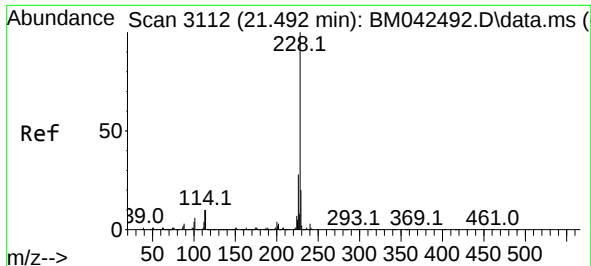


#79
Terphenyl-d14
Concen: 0.272 ng
RT: 19.933 min Scan# 2847
Delta R.T. -0.012 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49



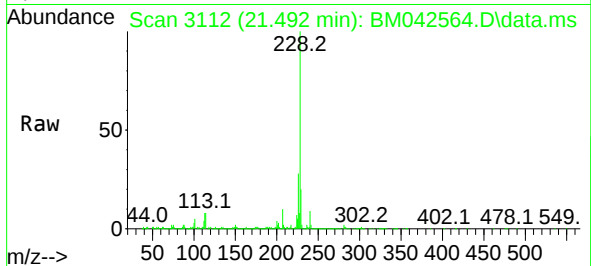
Tgt Ion:244 Resp: 4820
Ion Ratio Lower Upper
244 100
212 8.1 5.4 8.2
122 11.3 7.2 10.8#





#81
Benzo(a)anthracene
Concen: 33.547 ng
RT: 21.492 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

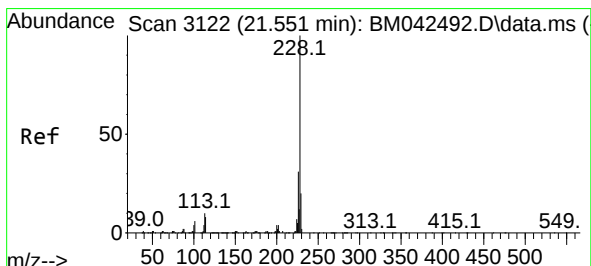
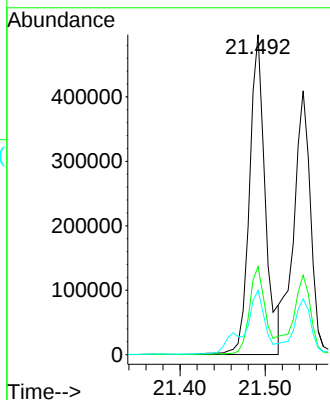
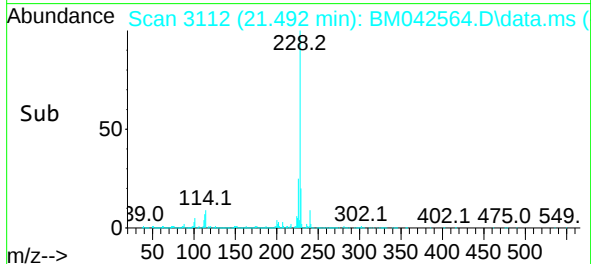
Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL



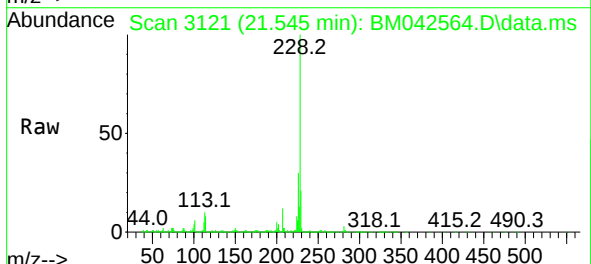
Tgt Ion:228 Resp: 640204
Ion Ratio Lower Upper
228 100
226 27.6 22.3 33.5
229 20.1 15.8 23.8

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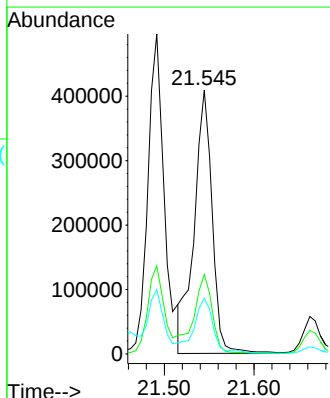
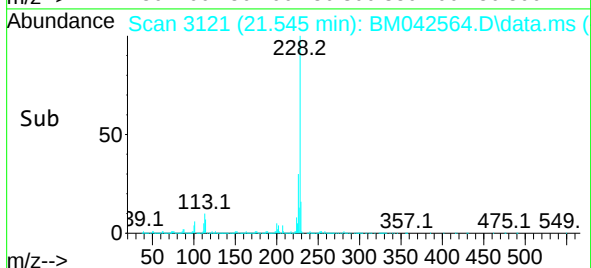
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

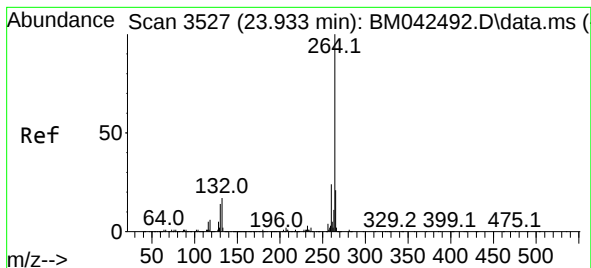


#83
Chrysene
Concen: 29.415 ng
RT: 21.545 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49



Tgt Ion:228 Resp: 570219
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 21.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042564.D

Acq: 02 Nov 2023 16:49

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL

Tgt Ion:264 Resp: 331490

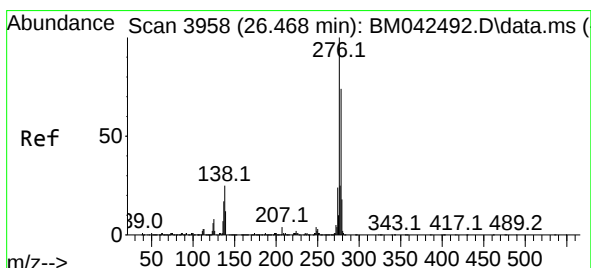
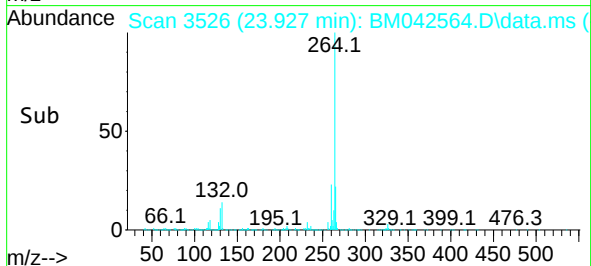
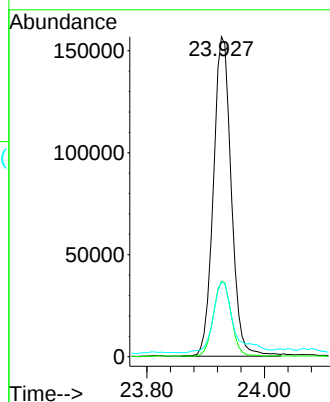
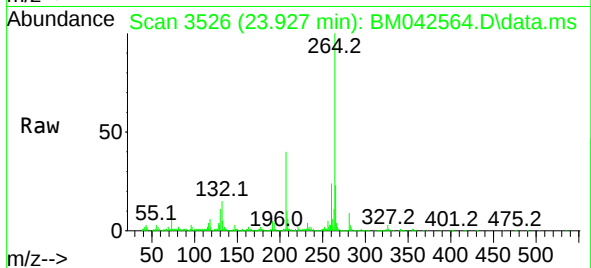
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	23.3	18.7	28.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/03/2023

Supervised By :mohammad ahmed 11/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.408 ng

RT: 26.456 min Scan# 3956

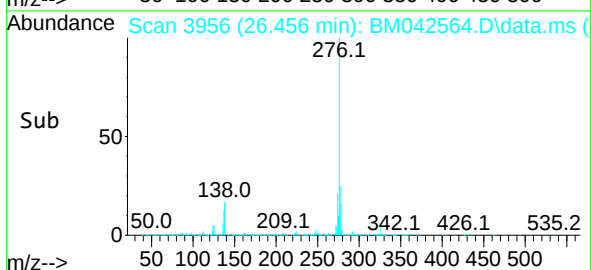
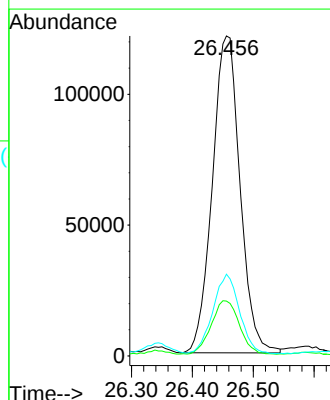
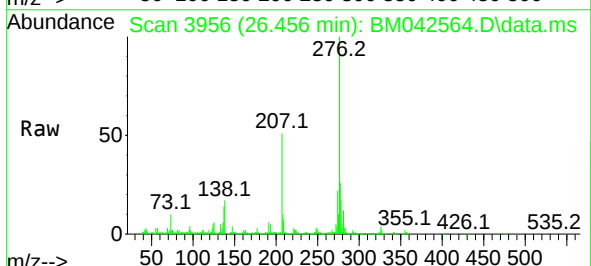
Delta R.T. -0.012 min

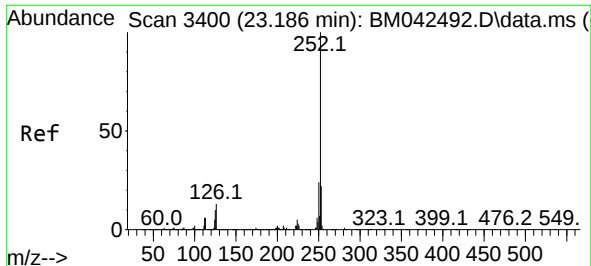
Lab File: BM042564.D

Acq: 02 Nov 2023 16:49

Tgt Ion:276 Resp: 382901

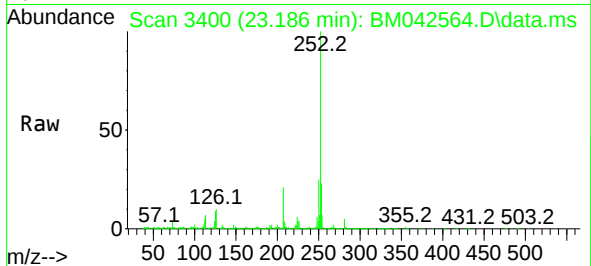
Ion	Ratio	Lower	Upper
276	100		
138	17.5	20.6	31.0#
277	24.3	19.5	29.3





#88
Benzo(b)fluoranthene
Concen: 43.377 ng
RT: 23.186 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

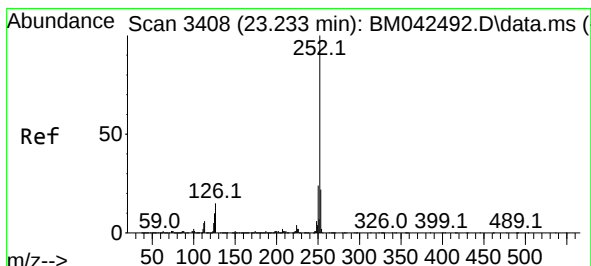
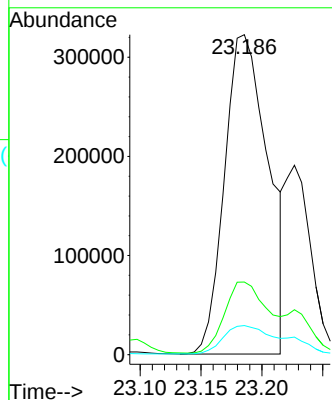
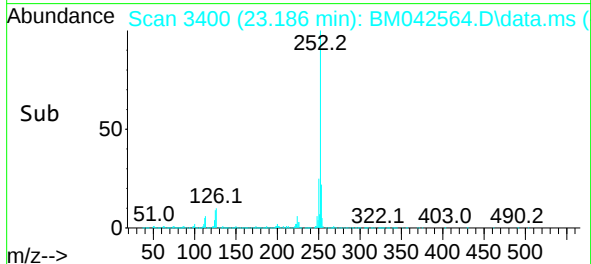
Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL



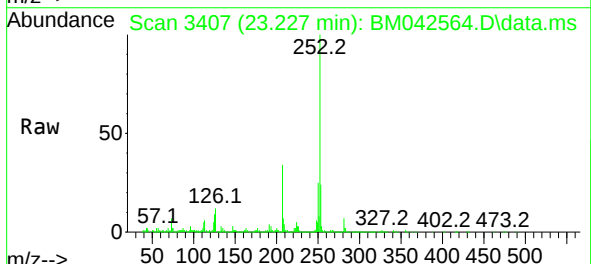
Tgt Ion:252 Resp: 801085
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.1 7.8 11.6

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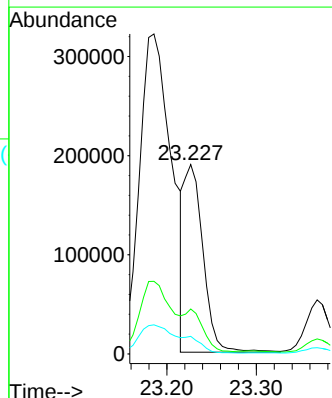
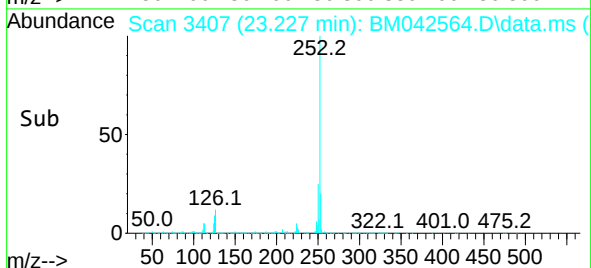
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023

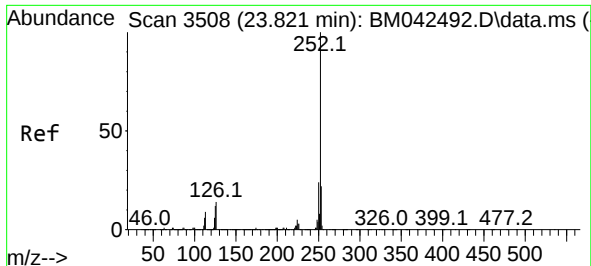


#89
Benzo(k)fluoranthene
Concen: 13.621 ng m
RT: 23.227 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49



Tgt Ion:252 Resp: 280317
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 9.3 8.2 12.4





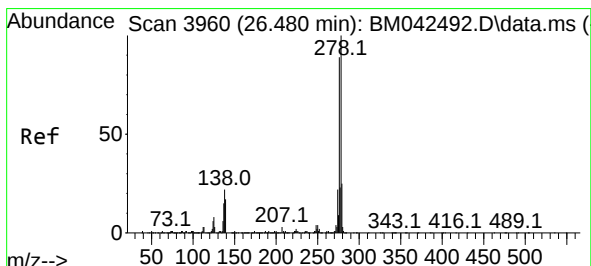
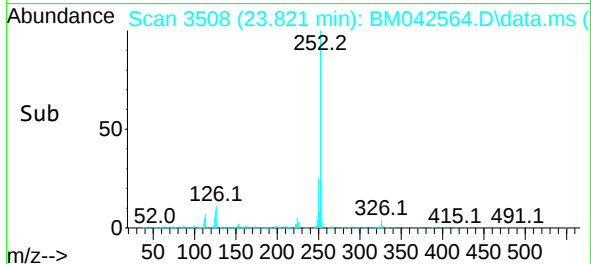
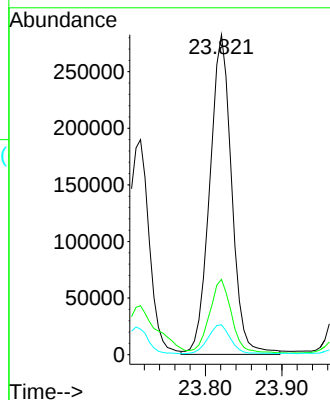
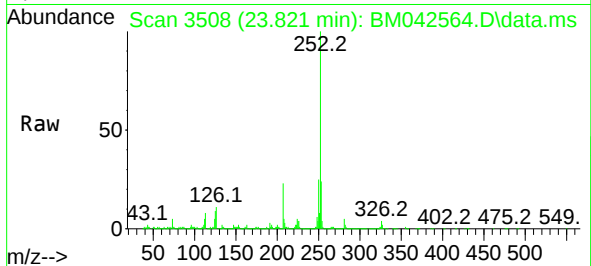
#90
Benzo(a)pyrene
Concen: 30.944 ng m
RT: 23.821 min Scan# 3508
Delta R.T. -0.000 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL

Tgt Ion:252 Resp: 562620
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.3 9.4 14.2

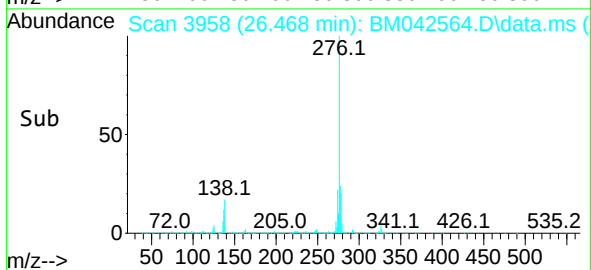
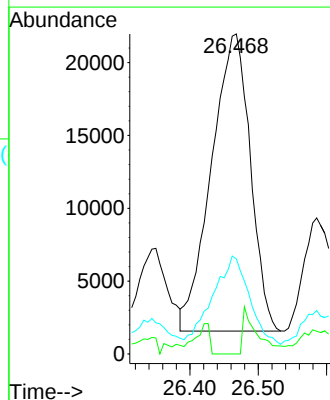
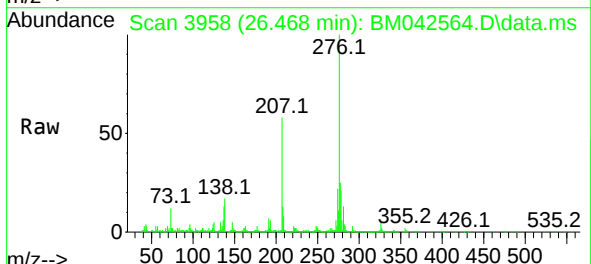
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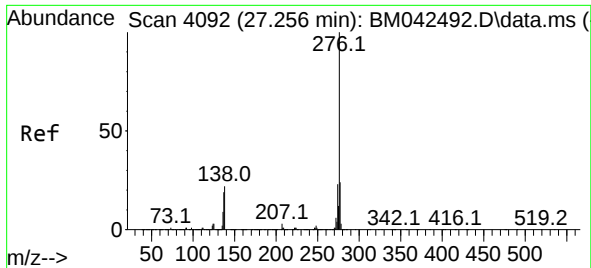
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



#91
Dibenzo(a,h)anthracene
Concen: 8.178 ng m
RT: 26.468 min Scan# 3958
Delta R.T. -0.012 min
Lab File: BM042564.D
Acq: 02 Nov 2023 16:49

Tgt Ion:278 Resp: 80530
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.2#
279 29.7 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 22.010 ng

RT: 27.256 min Scan# 4092

Delta R.T. -0.000 min

Lab File: BM042564.D

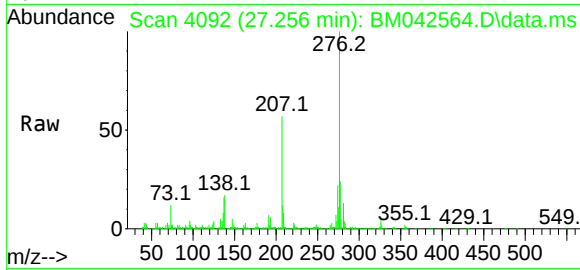
Acq: 02 Nov 2023 16:49

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL



Tgt Ion:276 Resp: 382724

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 17.0 17.3 25.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/03/2023

Supervised By :mohammad ahmed 11/03/2023

