

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042583.D
 Acq On : 03 Nov 2023 22:48
 Operator : MA/JU
 Sample : 05220-04DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 Z-7(0-5)DL

Quant Time: Nov 03 23:27:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	55378	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	203179	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	126211	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	277249	20.000	ng	# 0.00
76) Chrysene-d12	21.503	240	288797	20.000	ng	0.00
86) Perylene-d12	23.921	264	318973	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	80827	23.555	ng	0.01
7) Phenol-d6	7.081	99	102180	21.713	ng	0.00
23) Nitrobenzene-d5	9.116	82	70823	16.249	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	41996	25.486	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	146719	15.642	ng	0.00
79) Terphenyl-d14	19.933	244	244732	14.369	ng	0.00
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	7.951	146	139999	34.594	ng	98
49) Acenaphthylene	14.298	152	74364	6.344	ng	99
58) Fluorene	15.616	166	21899	2.340	ng	# 94
71) Phenanthrene	17.362	178	203726	14.061	ng	99
72) Anthracene	17.457	178	120335	8.385	ng	100
75) Fluoranthene	19.380	202	548908	32.252	ng	99
78) Pyrene	19.745	202	547582	27.613	ng	99
81) Benzo(a)anthracene	21.486	228	306593	16.686	ng	98
83) Chrysene	21.539	228	264209	14.155	ng	96
87) Indeno(1,2,3-cd)pyrene	26.450	276	148342	7.814	ng	# 93
88) Benzo(b)fluoranthene	23.174	252	318119	17.901	ng	97
89) Benzo(k)fluoranthene	23.221	252	105087m	5.307	ng	
90) Benzo(a)pyrene	23.815	252	252211	14.416	ng	96
91) Dibenzo(a,h)anthracene	26.462	278	41393	6.296	ng	# 86
92) Benzo(g,h,i)perylene	27.244	276	152681	9.125	ng	97

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

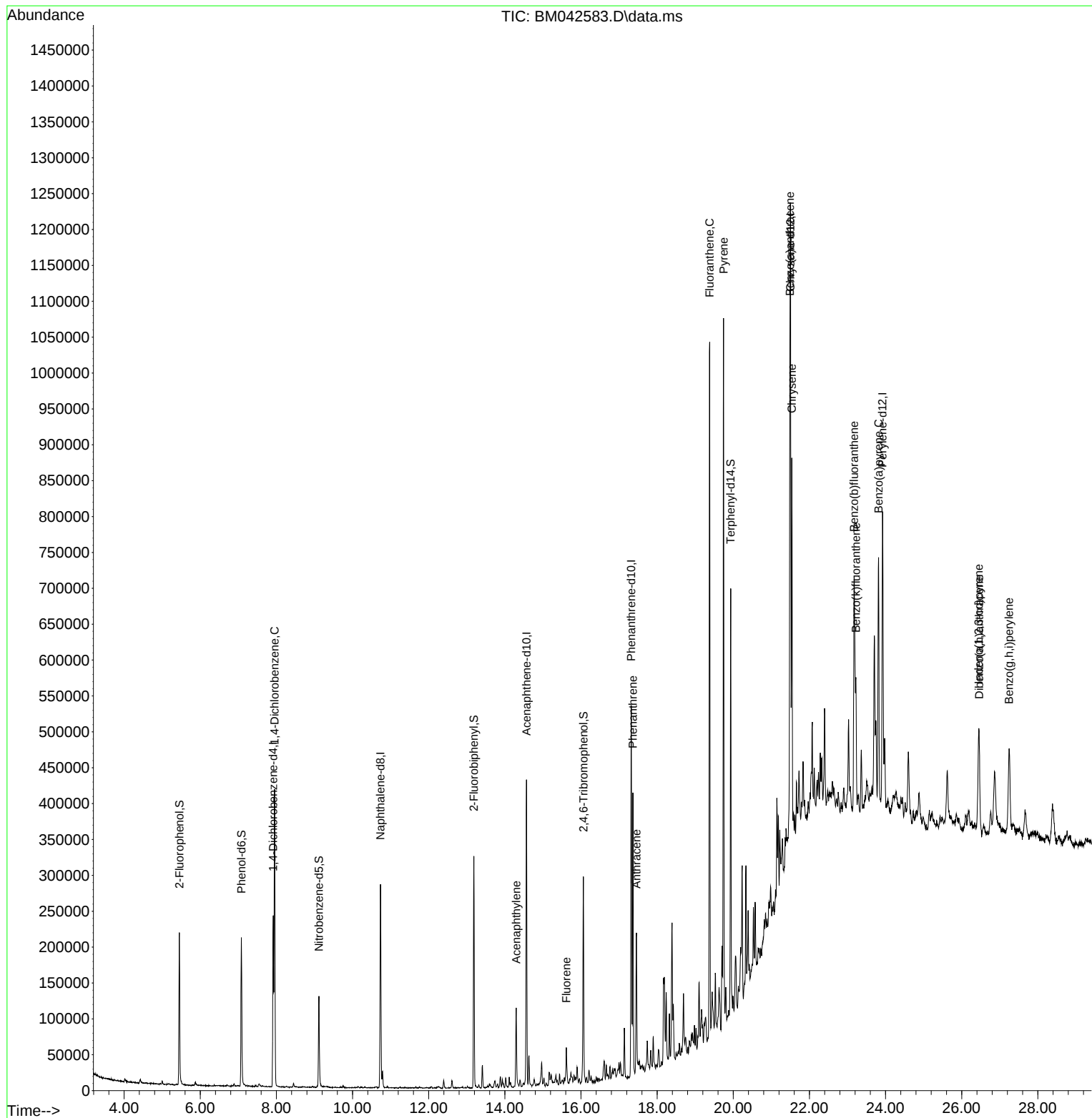
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
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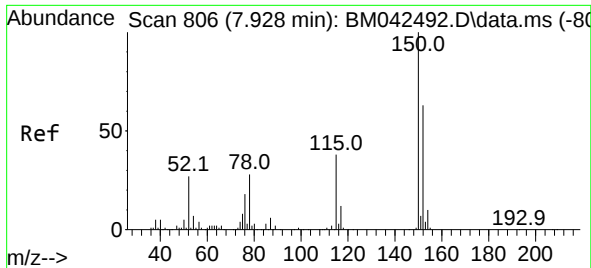
Instrument :
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Z-7(0-5)DL

Quant Time: Nov 03 23:27:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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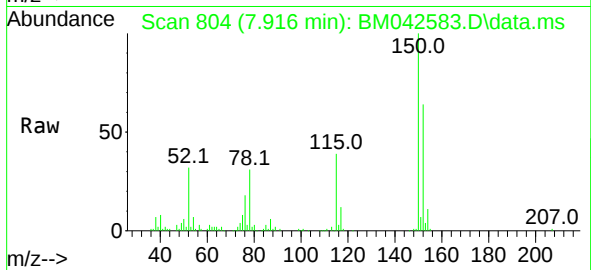
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 806
Delta R.T. 0.006 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

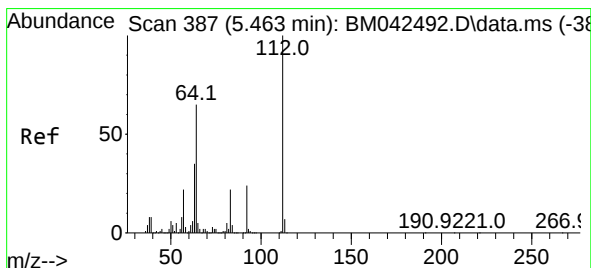
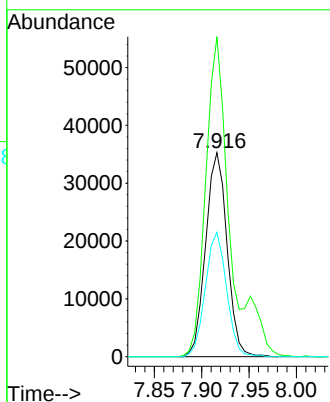
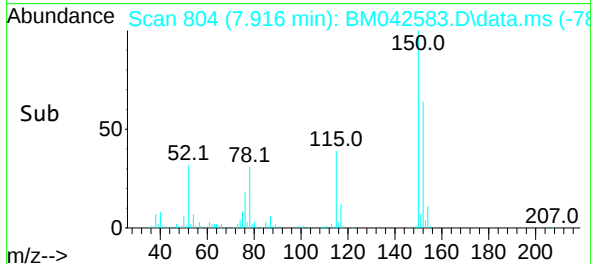
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BNA_M
ClientSampleId :
Z-7(0-5)DL



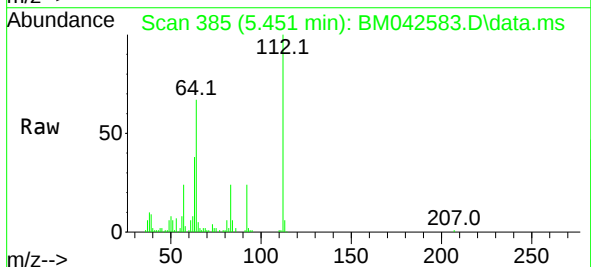
Tgt Ion:152 Resp: 55378
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.0
115 61.0 47.9 71.9

Manual Integrations
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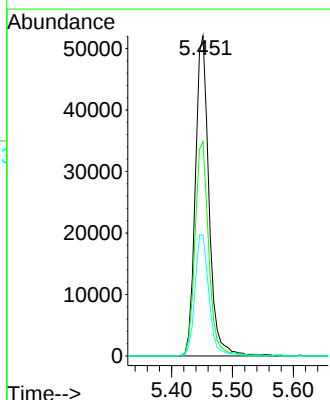
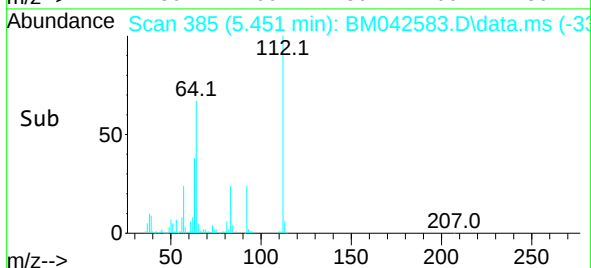
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

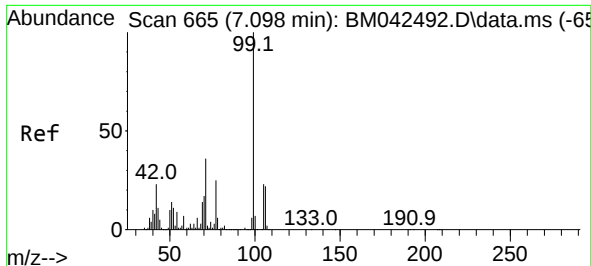


#5
2-Fluorophenol
Concen: 23.555 ng
RT: 5.451 min Scan# 385
Delta R.T. 0.011 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48



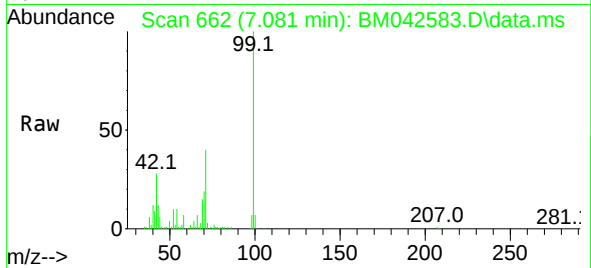
Tgt Ion:112 Resp: 80827
Ion Ratio Lower Upper
112 100
64 67.1 52.1 78.1
63 37.8 28.3 42.5





#7
Phenol-d6
Concen: 21.713 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

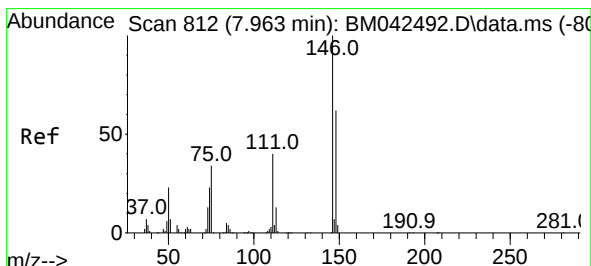
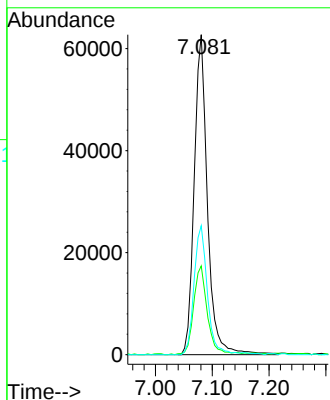
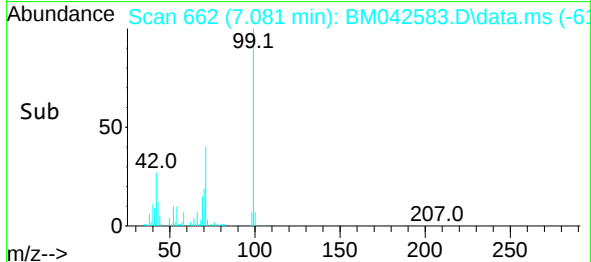
Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)DL



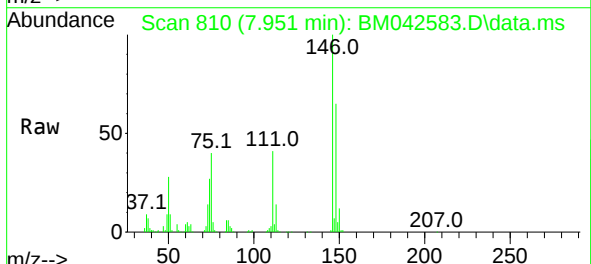
Tgt Ion: 99 Resp: 102180
Ion Ratio Lower Upper
99 100
42 27.7 18.7 28.1
71 40.3 29.1 43.7

Manual Integrations
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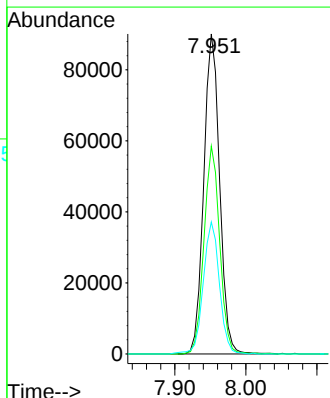
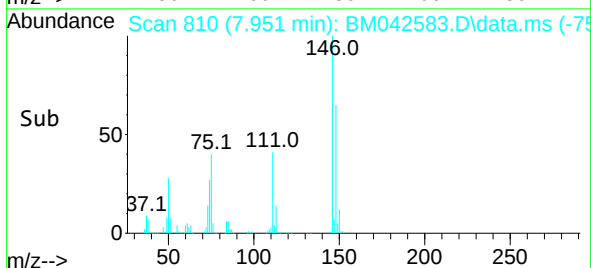
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

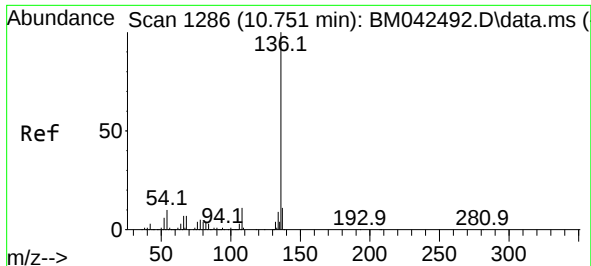


#13
1,4-Dichlorobenzene
Concen: 34.594 ng
RT: 7.951 min Scan# 810
Delta R.T. 0.006 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48



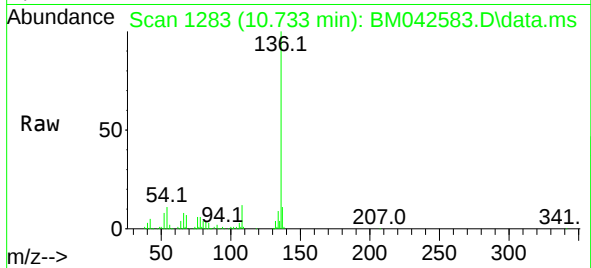
Tgt Ion:146 Resp: 139999
Ion Ratio Lower Upper
146 100
148 64.9 50.0 75.0
111 41.2 32.5 48.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

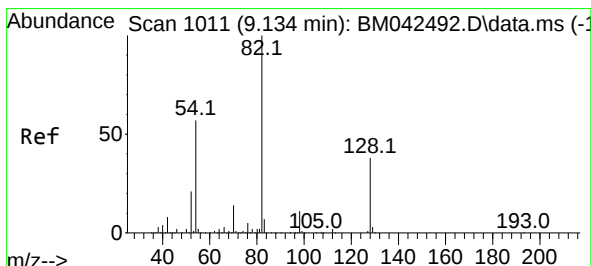
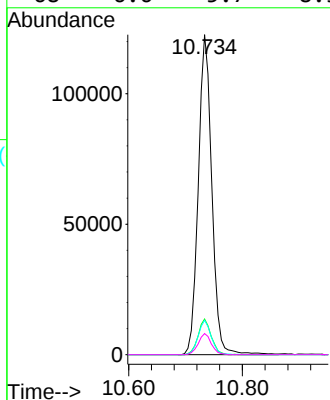
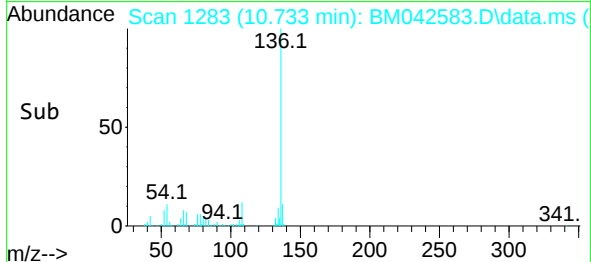
Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)DL



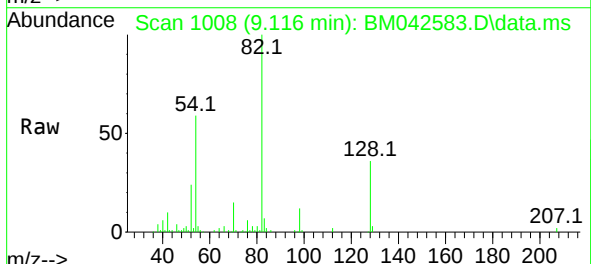
Tgt Ion:136 Resp: 203179
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.8 8.0 12.0
68 6.6 5.7 8.5

Manual Integrations
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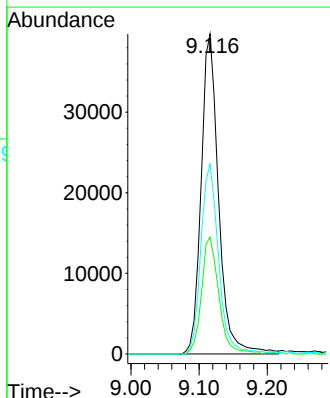
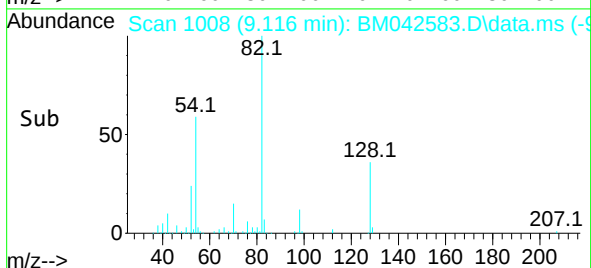
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

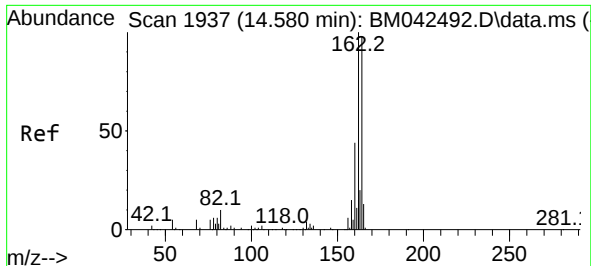


#23
Nitrobenzene-d5
Concen: 16.249 ng
RT: 9.116 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48



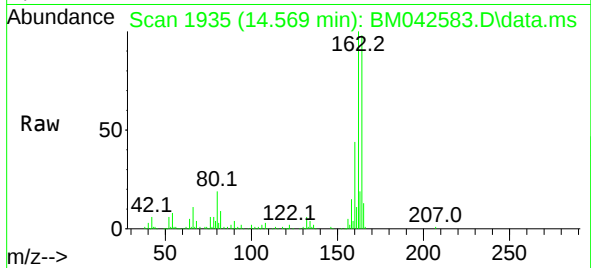
Tgt Ion: 82 Resp: 70823
Ion Ratio Lower Upper
82 100
128 36.5 30.7 46.1
54 59.3 45.3 67.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

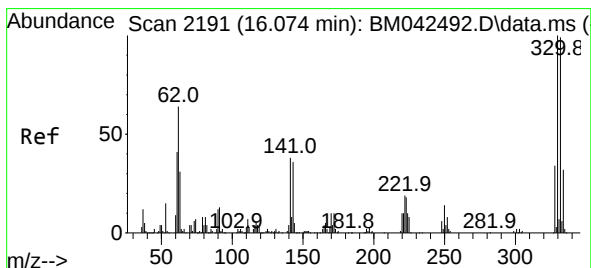
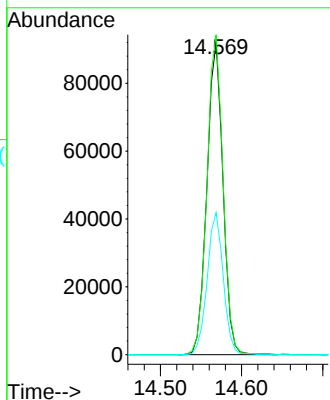
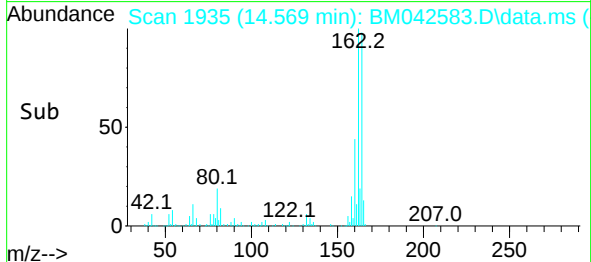
Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)DL



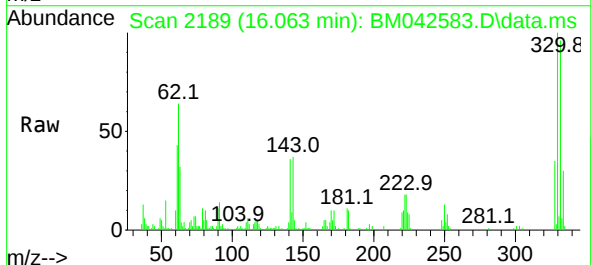
Tgt Ion:164 Resp: 12621
Ion Ratio Lower Upper
164 100
162 102.5 81.6 122.4
160 45.5 36.2 54.4

Manual Integrations
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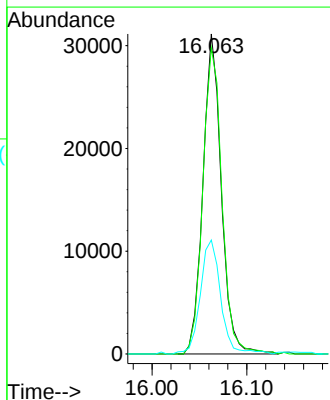
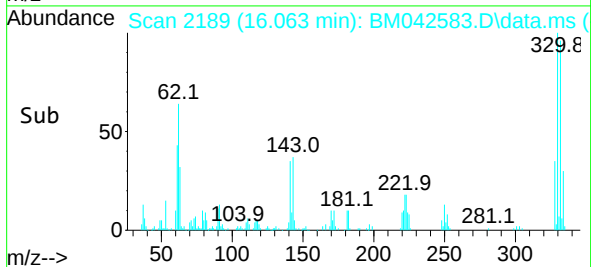
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

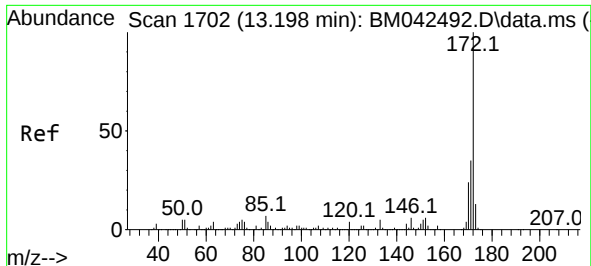


#42
2,4,6-Tribromophenol
Concen: 25.486 ng
RT: 16.063 min Scan# 2189
Delta R.T. -0.000 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48



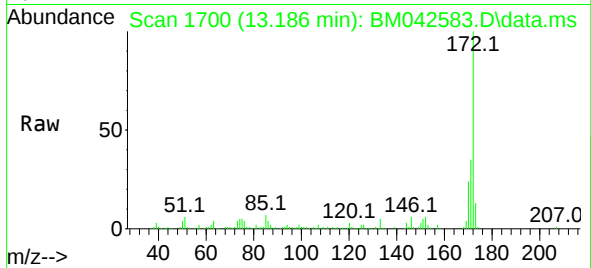
Tgt Ion:330 Resp: 41996
Ion Ratio Lower Upper
330 100
332 99.8 78.8 118.2
141 39.5 31.1 46.7





#45
2-Fluorobiphenyl
Concen: 15.642 ng
RT: 13.186 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

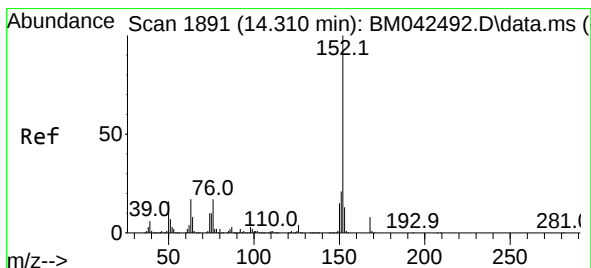
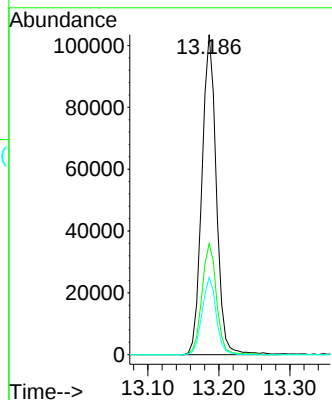
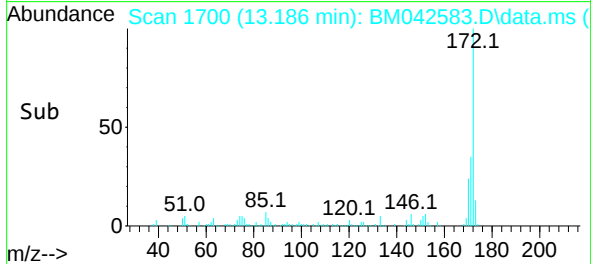
Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)DL



Tgt Ion:172 Resp: 146719
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 24.2 19.0 28.4

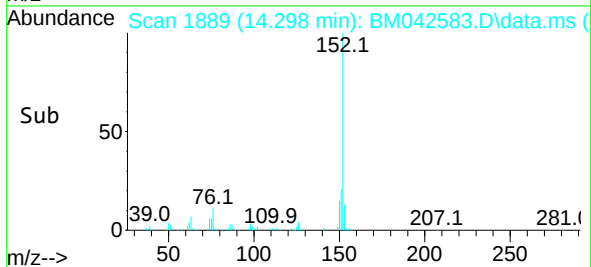
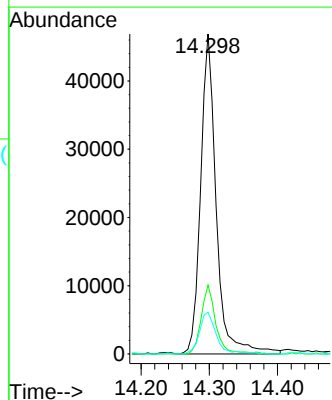
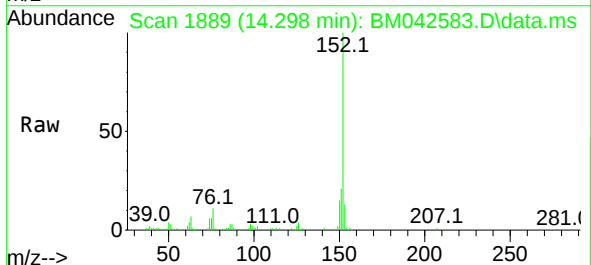
Manual Integrations
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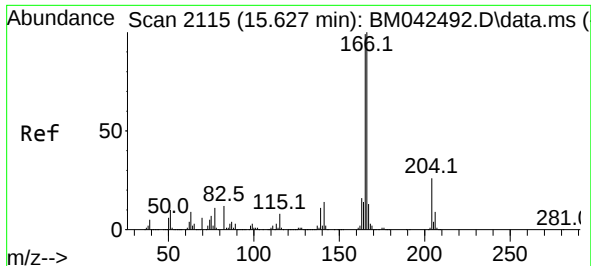
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#49
Acenaphthylene
Concen: 6.344 ng
RT: 14.298 min Scan# 1889
Delta R.T. -0.000 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

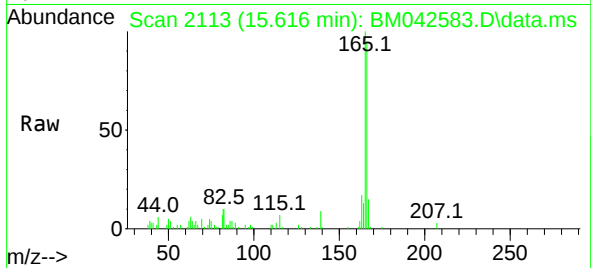
Tgt Ion:152 Resp: 74364
Ion Ratio Lower Upper
152 100
151 21.5 16.4 24.6
153 13.0 10.4 15.6





#58
Fluorene
Concen: 2.340 ng
RT: 15.616 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

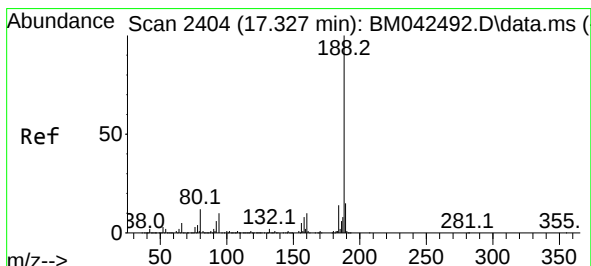
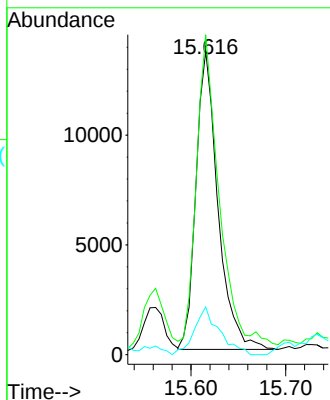
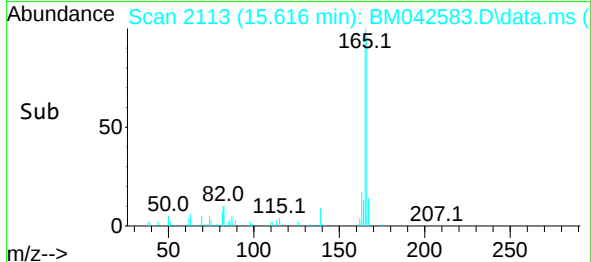
Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)DL



Tgt Ion:166 Resp: 21899
Ion Ratio Lower Upper
166 100
165 105.5 79.3 118.9
167 15.8 10.5 15.7

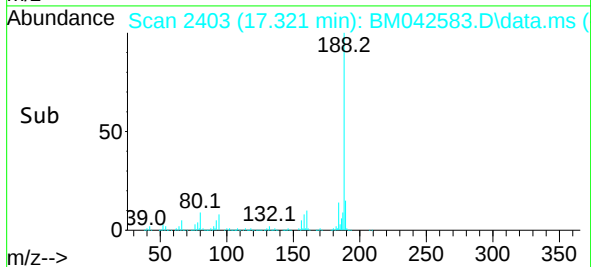
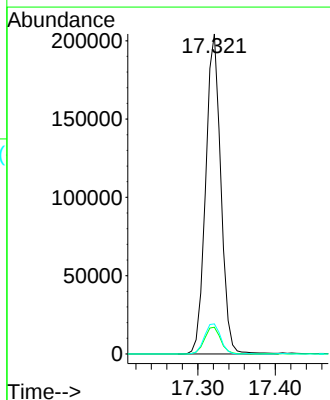
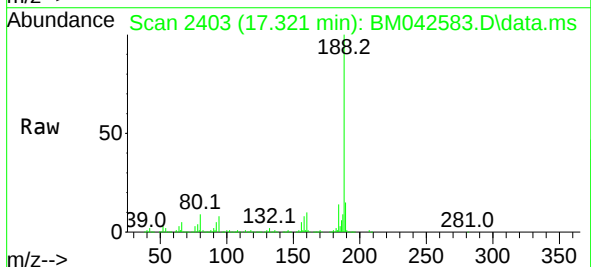
Manual Integrations
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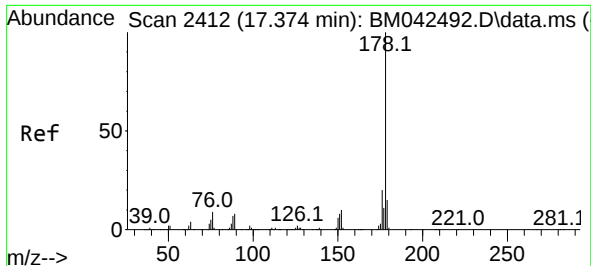
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2403
Delta R.T. 0.006 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

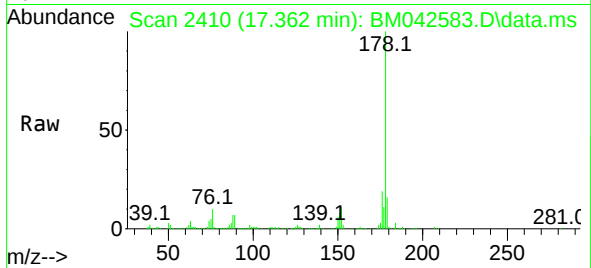
Tgt Ion:188 Resp: 277249
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.4
80 9.4 9.4 14.2





#71
Phenanthrene
Concen: 14.061 ng
RT: 17.362 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

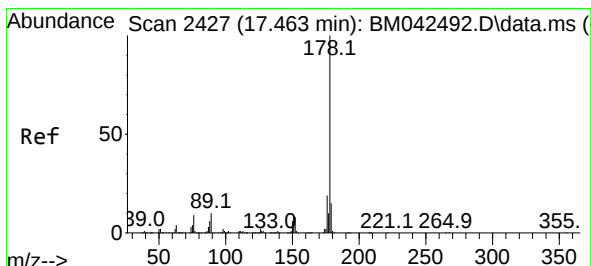
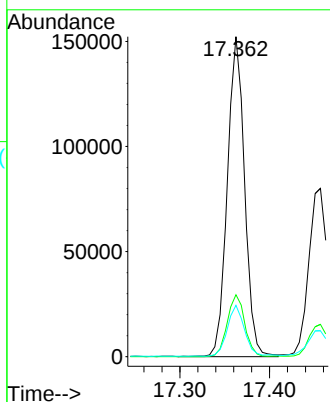
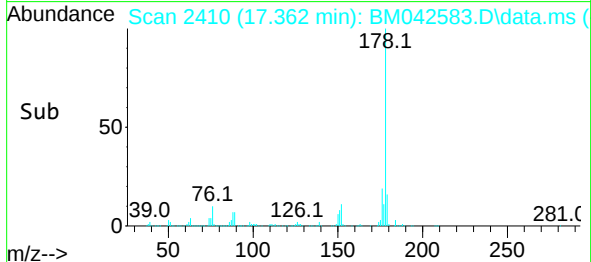
Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)DL



Tgt Ion:178 Resp: 203720
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 16.1 12.2 18.4

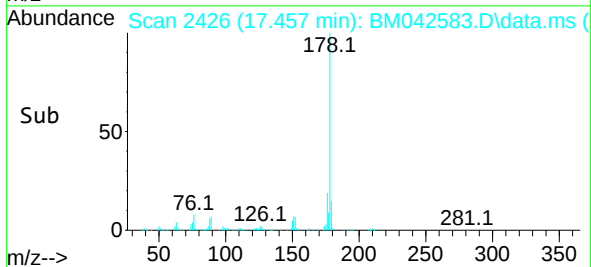
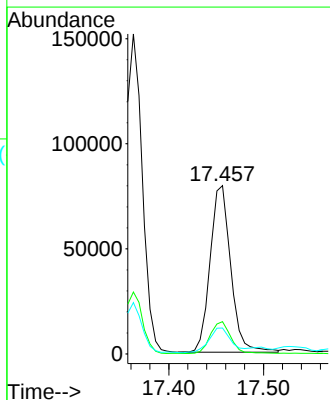
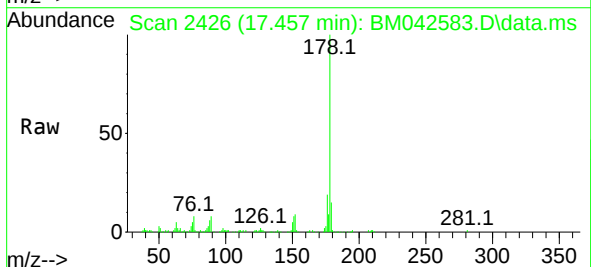
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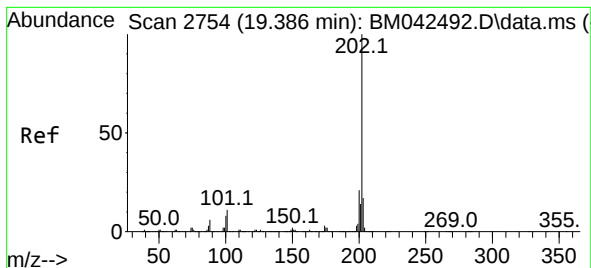
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#72
Anthracene
Concen: 8.385 ng
RT: 17.457 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

Tgt Ion:178 Resp: 120335
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.4 12.3 18.5





#75

Fluoranthene

Concen: 32.252 ng

RT: 19.380 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

Instrument :

BNA_M

ClientSampleId :

Z-7(0-5)DL

Tgt Ion:202 Resp: 548908

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.5

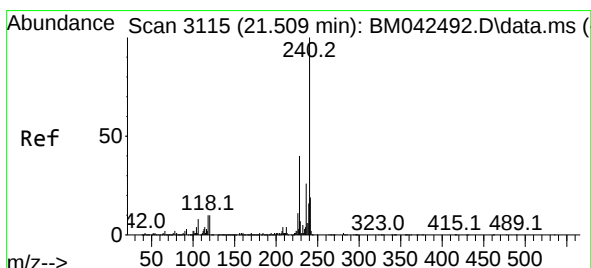
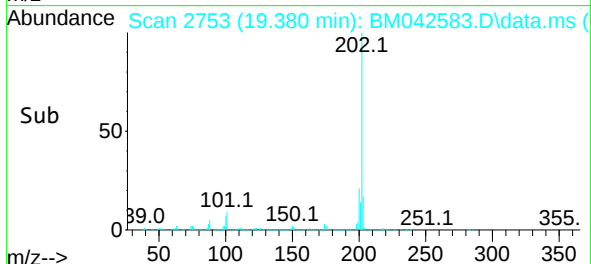
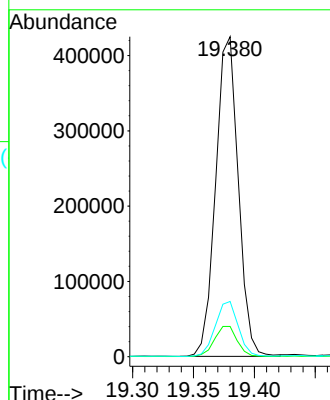
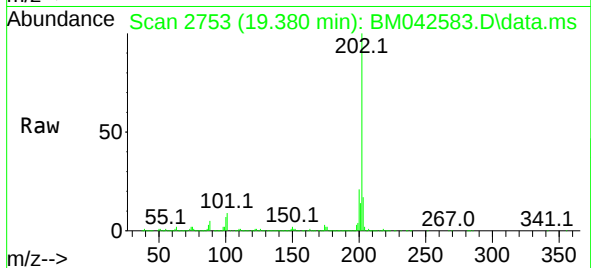
203 17.3 0.0 37.0

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Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3114

Delta R.T. -0.000 min

Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

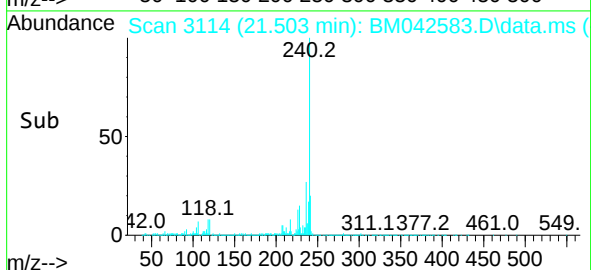
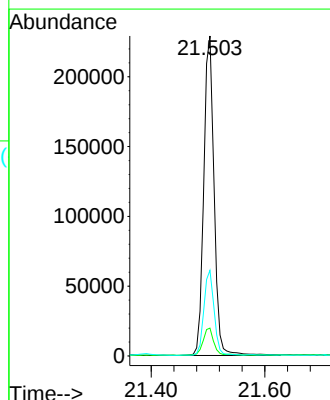
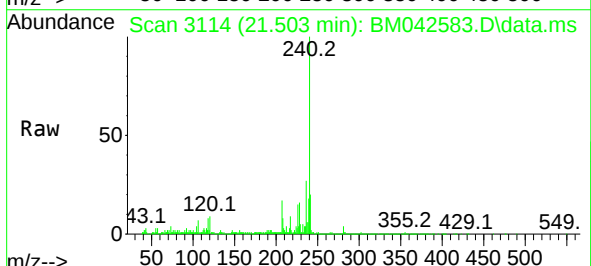
Tgt Ion:240 Resp: 288797

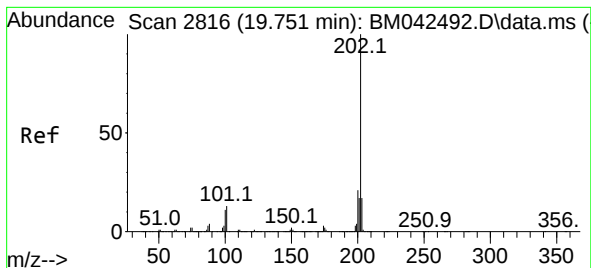
Ion Ratio Lower Upper

240 100

120 8.7 8.3 12.5

236 26.8 20.8 31.2





#78

Pyrene

Concen: 27.613 ng

RT: 19.745 min Scan# 2815

Delta R.T. 0.006 min

Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

Instrument :

BNA_M

ClientSampleId :

Z-7(0-5)DL

Tgt Ion:202 Resp: 54758

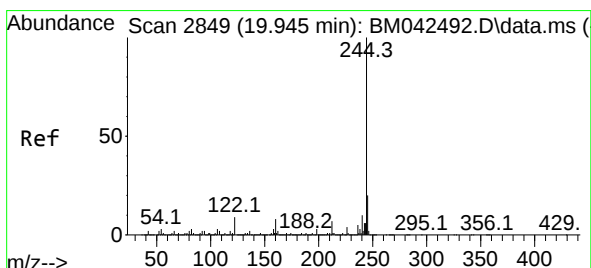
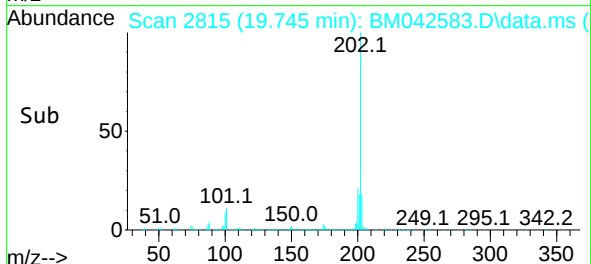
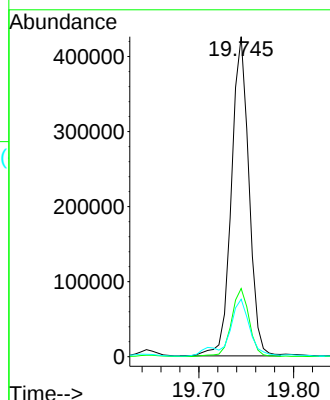
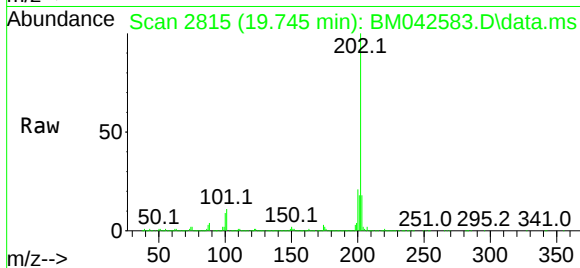
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.9	13.7	20.5

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Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#79

Terphenyl-d14

Concen: 14.369 ng

RT: 19.933 min Scan# 2847

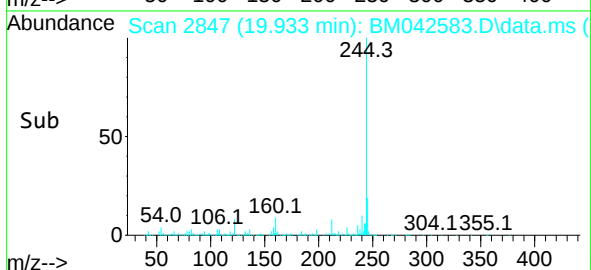
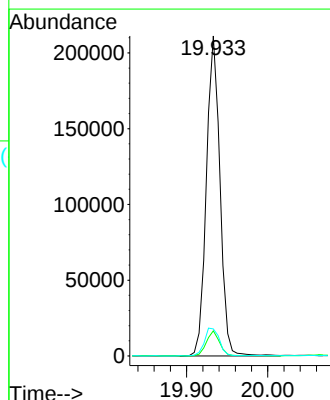
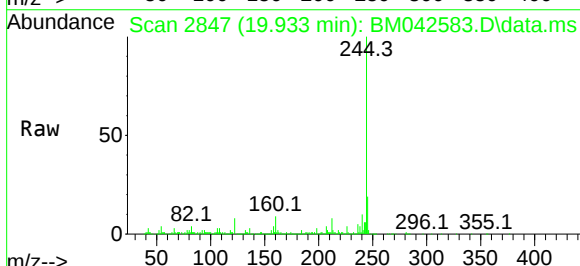
Delta R.T. -0.000 min

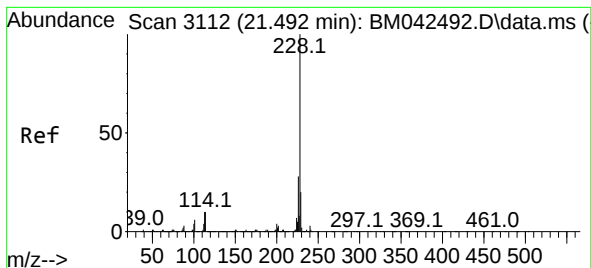
Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

Tgt Ion:244 Resp: 244732

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.4	8.2
122	8.5	7.2	10.8





#81

Benzo(a)anthracene

Concen: 16.686 ng

RT: 21.486 min Scan# 3112

Delta R.T. -0.000 min

Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

Instrument :

BNA_M

ClientSampleId :

Z-7(0-5)DL

Tgt Ion:228 Resp: 30659

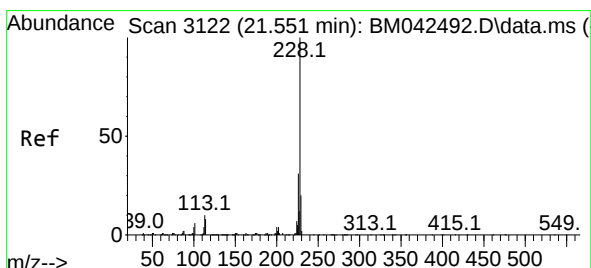
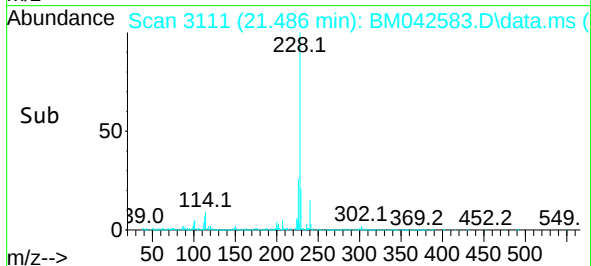
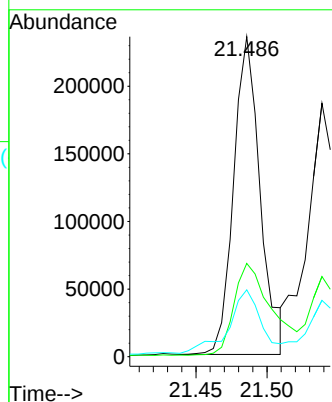
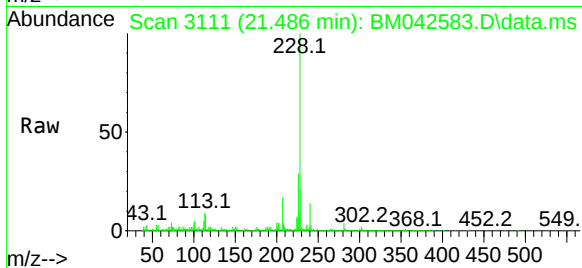
Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.3	33.5
229	20.9	15.8	23.8

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Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#83

Chrysene

Concen: 14.155 ng

RT: 21.539 min Scan# 3120

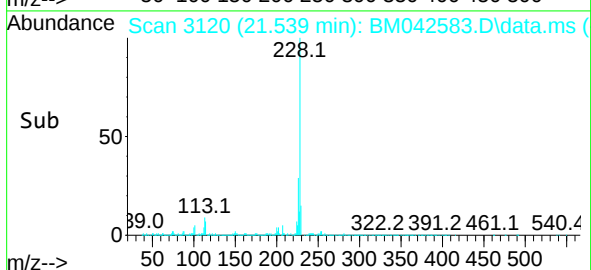
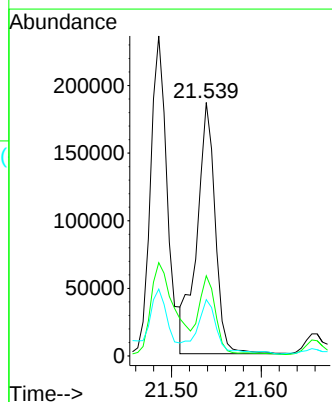
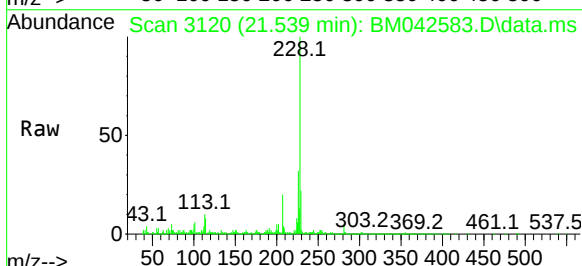
Delta R.T. -0.000 min

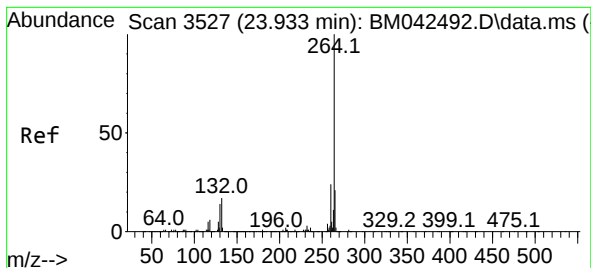
Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

Tgt Ion:228 Resp: 264209

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.4	36.6
229	22.2	15.7	23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 31897

Delta R.T. 0.006 min

Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

Instrument :

BNA_M

ClientSampleId :

Z-7(0-5)DL

Tgt Ion: 264 Resp: 31897

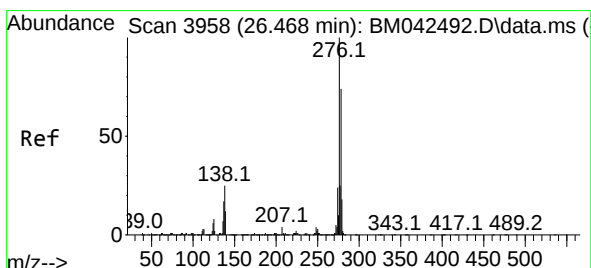
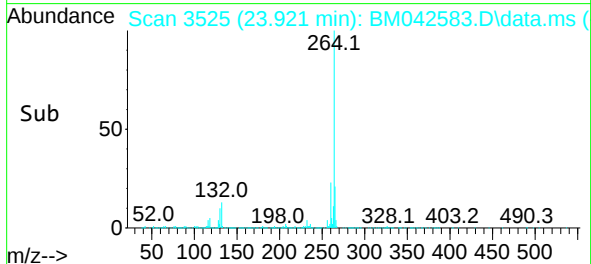
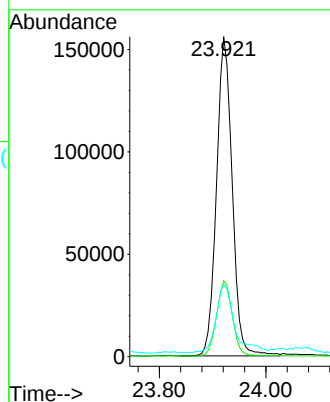
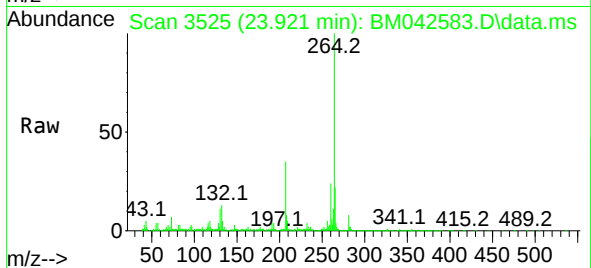
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.4	18.7	28.1

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Reviewed By : Yogesh Patel 11/04/2023

Supervised By : mohammad ahmed 11/04/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.814 ng

RT: 26.450 min Scan# 3955

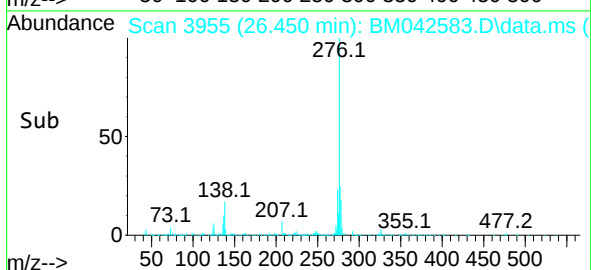
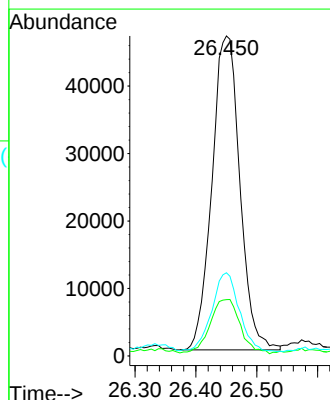
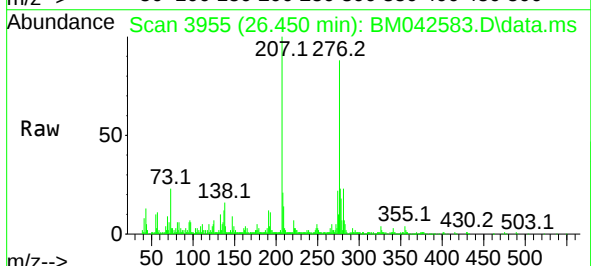
Delta R.T. -0.000 min

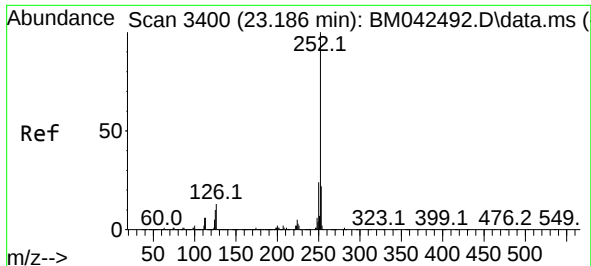
Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

Tgt Ion: 276 Resp: 148342

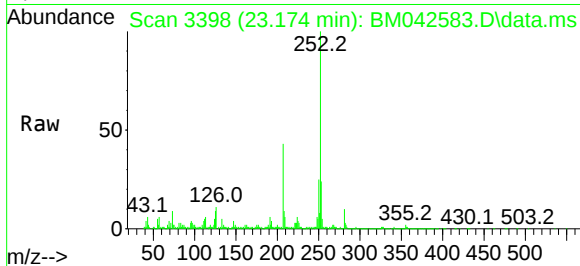
Ion	Ratio	Lower	Upper
276	100		
138	18.7	20.6	31.0
277	24.6	19.5	29.3





#88
Benzo(b)fluoranthene
Concen: 17.901 ng
RT: 23.174 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48

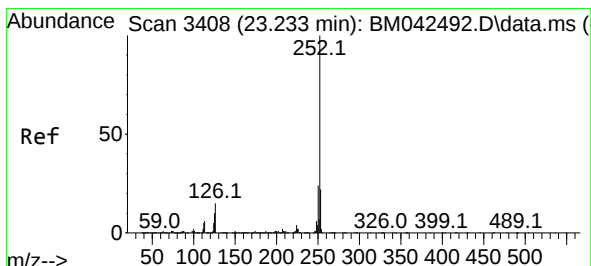
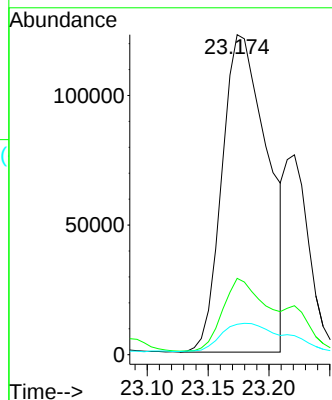
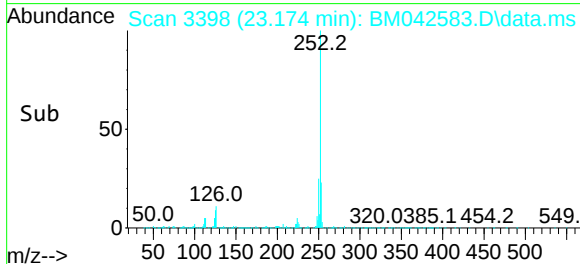
Instrument :
BNA_M
ClientSampleId :
Z-7(0-5)DL



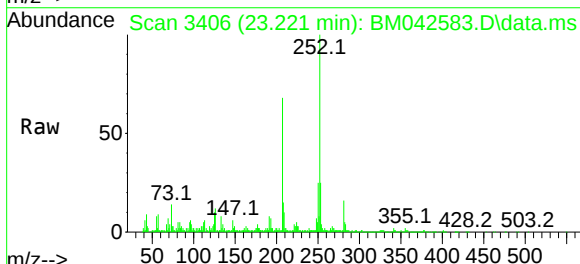
Tgt Ion:252 Resp: 318119
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 9.5 7.8 11.6

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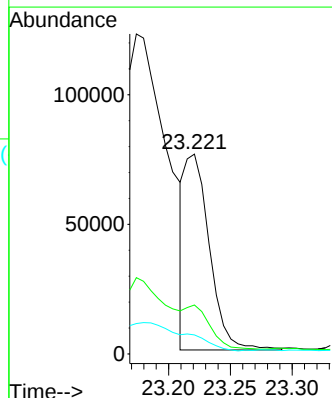
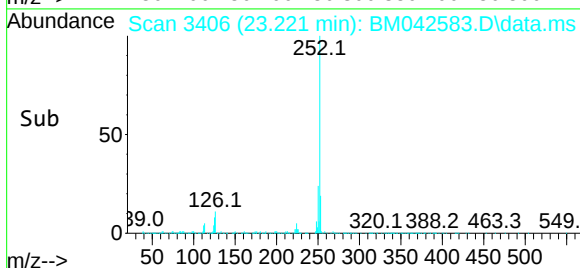
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

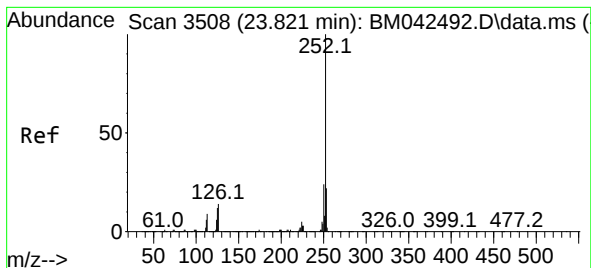


#89
Benzo(k)fluoranthene
Concen: 5.307 ng m
RT: 23.221 min Scan# 3406
Delta R.T. -0.000 min
Lab File: BM042583.D
Acq: 03 Nov 2023 22:48



Tgt Ion:252 Resp: 105087
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 9.5 8.2 12.4





#90

Benzo(a)pyrene

Concen: 14.416 ng

RT: 23.815 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

Instrument :

BNA_M

ClientSampleId :

Z-7(0-5)DL

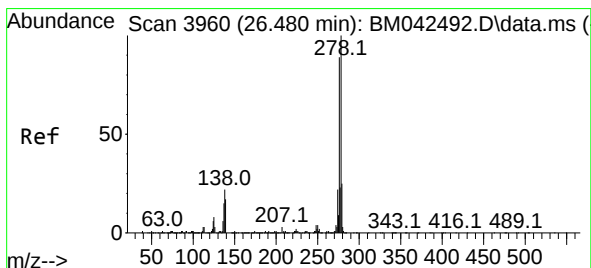
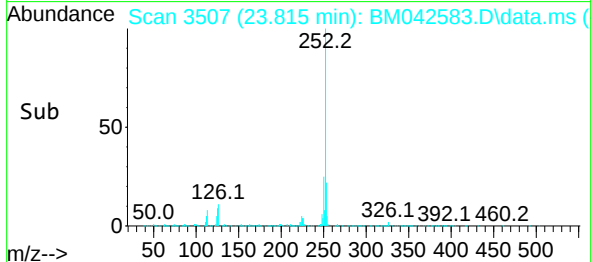
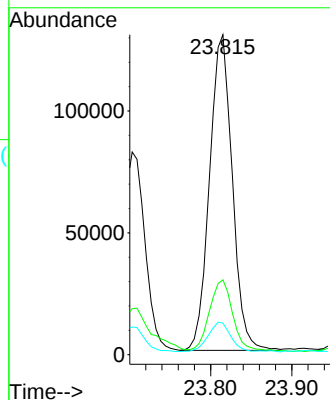
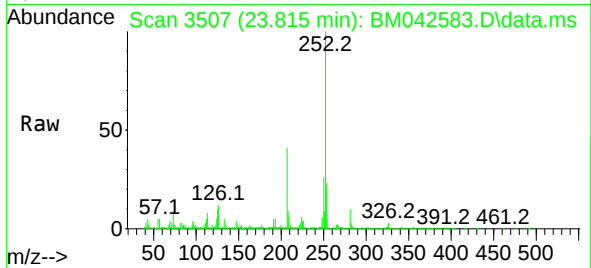
Tgt Ion:	252	Resp:	25221
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	9.9	9.4	14.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#91

Dibenzo(a,h)anthracene

Concen: 6.296 ng

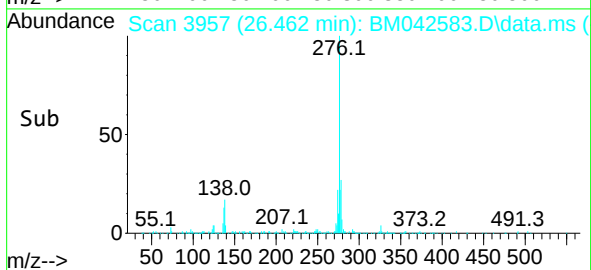
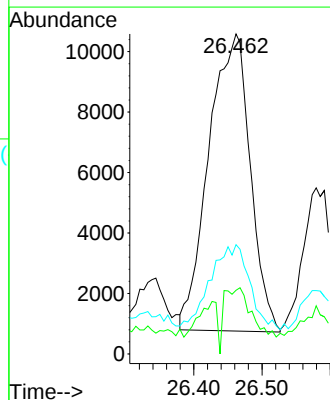
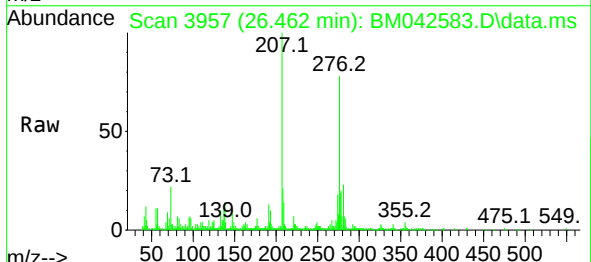
RT: 26.462 min Scan# 3957

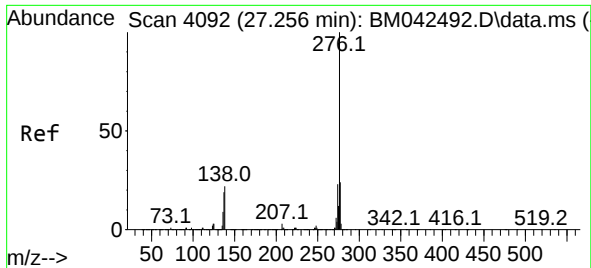
Delta R.T. -0.006 min

Lab File: BM042583.D

Acq: 03 Nov 2023 22:48

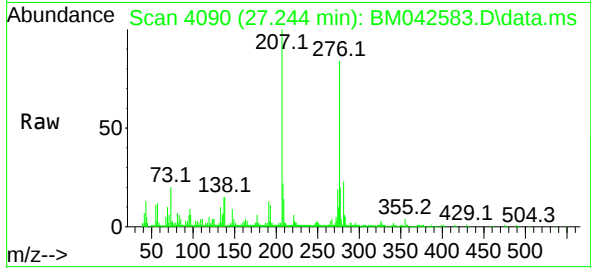
Tgt Ion:	278	Resp:	41393
Ion Ratio	Lower	Upper	
278	100		
139	19.9	13.4	20.2
279	34.1	19.7	29.5





#92
 Benzo(g,h,i)perylene
 Concen: 9.125 ng
 RT: 27.244 min Scan# 4090
 Delta R.T. -0.000 min
 Lab File: BM042583.D
 Acq: 03 Nov 2023 22:48

Instrument :
 BNA_M
 ClientSampleId :
 Z-7(0-5)DL



Tgt Ion: 276 Resp: 15268
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.2 28.8
 138 18.2 17.3 25.9

Manual Integrations
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Reviewed By : Yogesh Patel 11/04/2023
 Supervised By : mohammad ahmed 11/04/2023

