

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082123\
 Data File : BM041455.D
 Acq On : 21 Aug 2023 19:28
 Operator : MA/JU
 Sample : 04075-01DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NEVINS-SB05-Z113-114DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

Quant Time: Aug 22 03:38:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 03:32:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	148862	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	618922	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	434297	20.000	ng	0.00
64) Phenanthrene-d10	17.174	188	1011866	20.000	ng	0.00
76) Chrysene-d12	21.380	240	943005	20.000	ng	0.00
86) Perylene-d12	23.715	264	829002	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	337526	37.719	ng	0.00
7) Phenol-d6	6.952	99	414876	34.144	ng	0.00
23) Nitrobenzene-d5	8.934	82	273778	21.116	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	136223	19.765	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	714684	22.052	ng	0.00
79) Terphenyl-d14	19.816	244	1331963	24.579	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.610	128	896334	27.854	ng	99
37) 2-Methylnaphthalene	12.228	142	365172	15.596	ng	99
38) 1-Methylnaphthalene	12.445	142	572720	25.890	ng	99
46) 1,1'-Biphenyl	13.245	154	135491	4.134	ng	98
49) Acenaphthylene	14.139	152	758799	18.588	ng	98
52) Acenaphthene	14.481	154	87774	3.595	ng	96
58) Fluorene	15.469	166	331532	10.104	ng	98
71) Phenanthrene	17.222	178	2073575	38.822	ng	100
72) Anthracene	17.310	178	534304	9.865	ng	99
75) Fluoranthene	19.245	202	781514	12.290	ng	99
78) Pyrene	19.610	202	1204389	17.858	ng	100
81) Benzo(a)anthracene	21.362	228	409467	6.359	ng	94
83) Chrysene	21.415	228	348809	5.698	ng	98
88) Benzo(b)fluoranthene	23.009	252	187654m	3.798	ng	
90) Benzo(a)pyrene	23.615	252	213212	4.532	ng	99

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

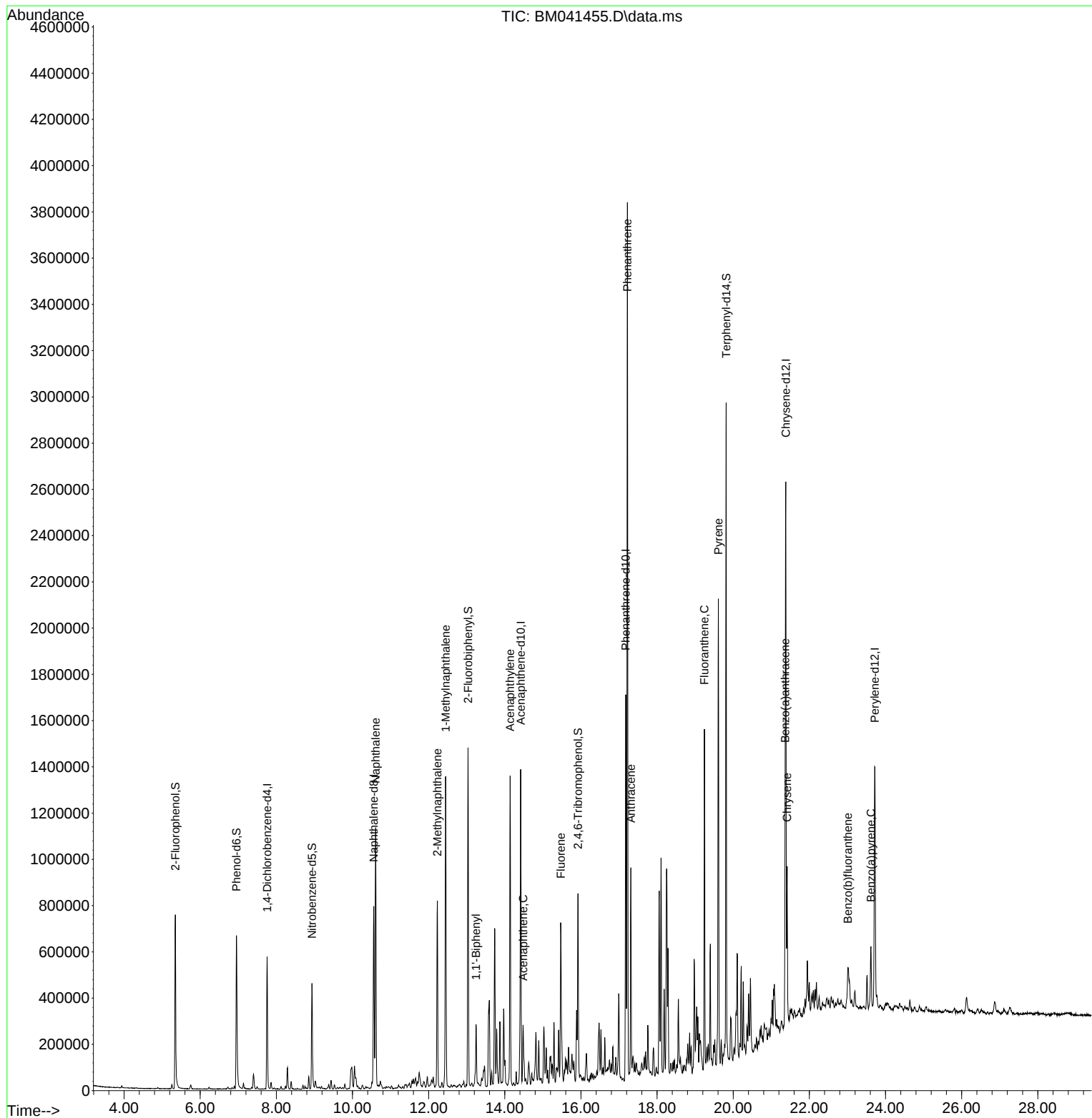
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082123\
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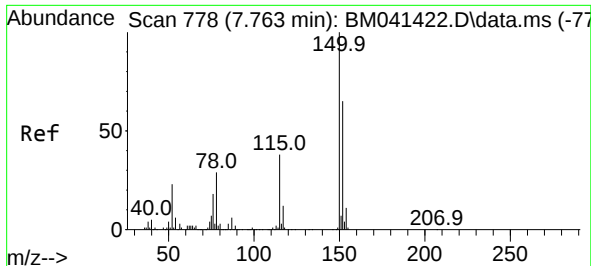
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Quant Time: Aug 22 03:38:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081623.M
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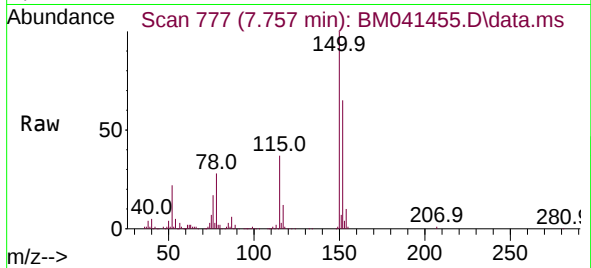
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

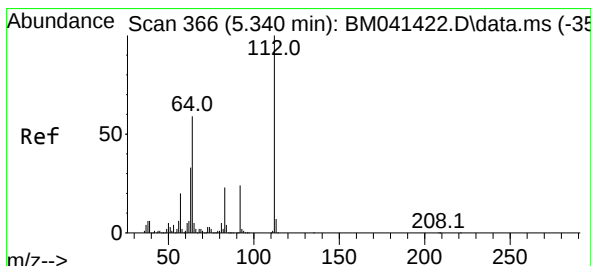
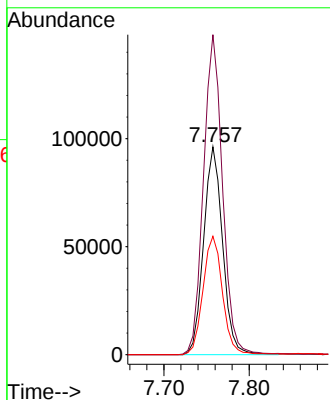
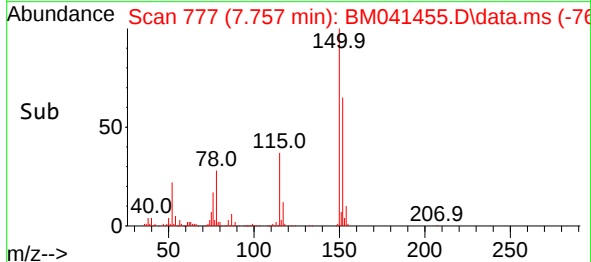
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL



Tgt Ion:152 Resp: 148862
Ion Ratio Lower Upper
152 100
150 154.0 123.8 185.6
115 57.0 46.6 70.0

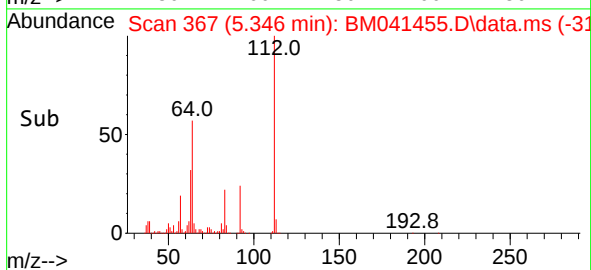
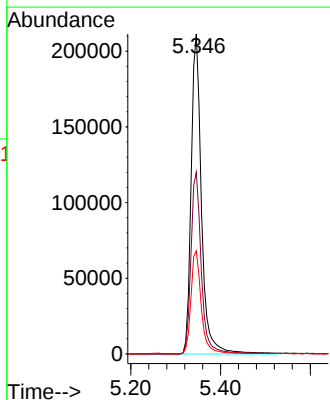
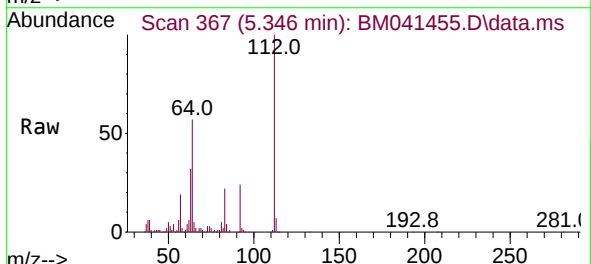
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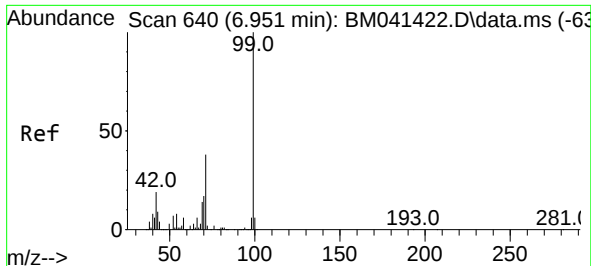
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#5
2-Fluorophenol
Concen: 37.719 ng
RT: 5.346 min Scan# 367
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

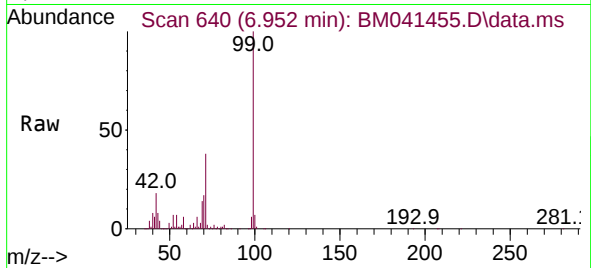
Tgt Ion:112 Resp: 337526
Ion Ratio Lower Upper
112 100
64 56.8 47.3 70.9
63 32.2 26.5 39.7





#7
Phenol-d6
Concen: 34.144 ng
RT: 6.952 min Scan# 640
Delta R.T. -0.006 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

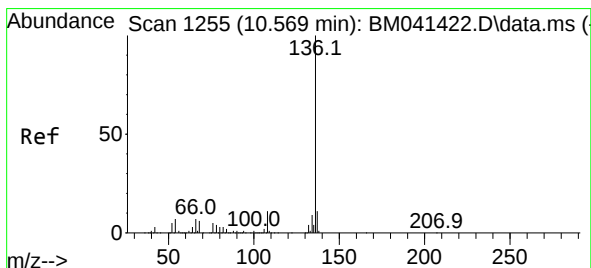
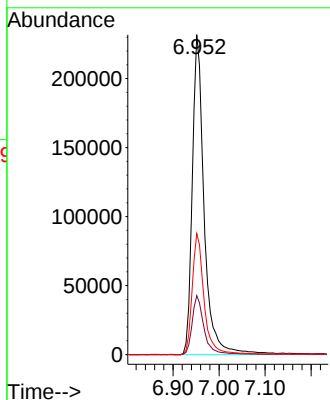
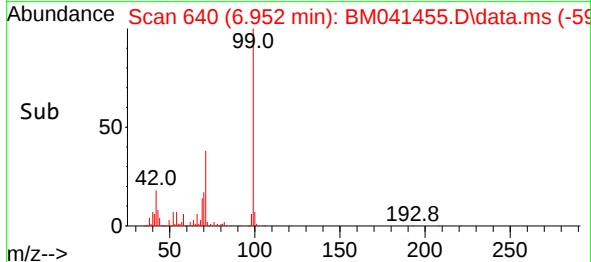
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Tgt Ion: 99 Resp: 414876
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 37.8 30.7 46.1

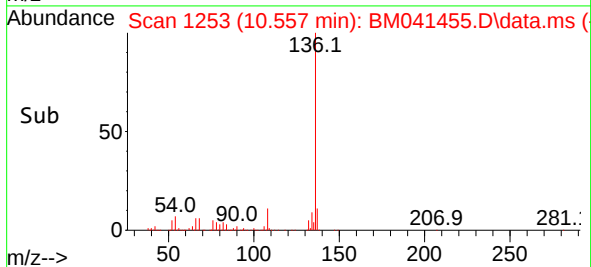
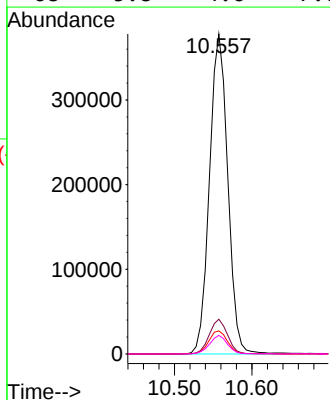
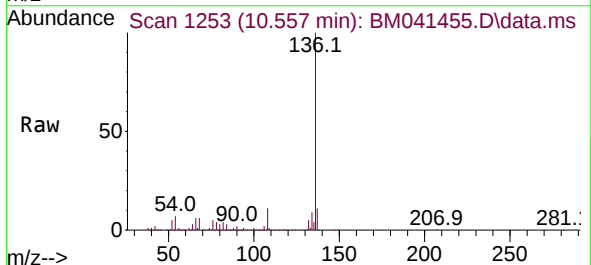
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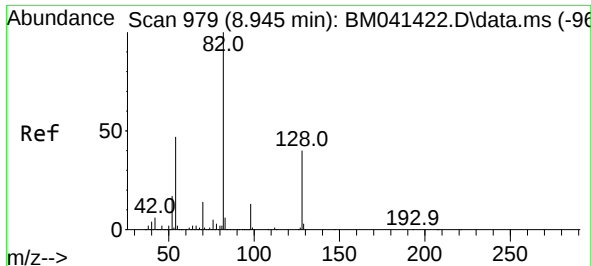
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

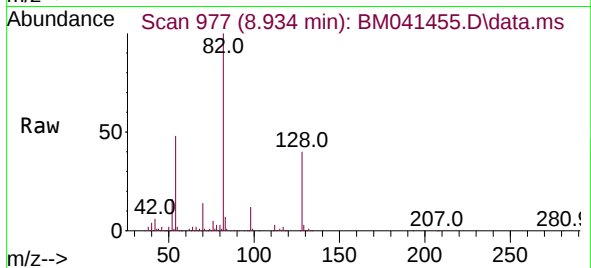
Tgt Ion:136 Resp: 618922
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.2 5.7 8.5
68 5.8 4.6 7.0





#23
Nitrobenzene-d5
Concen: 21.116 ng
RT: 8.934 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

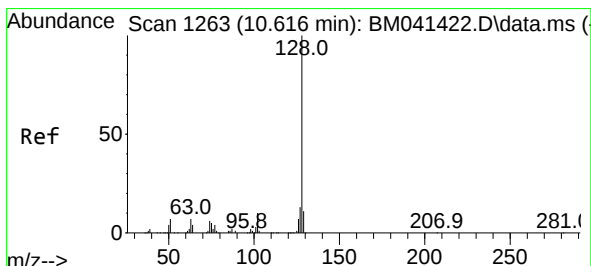
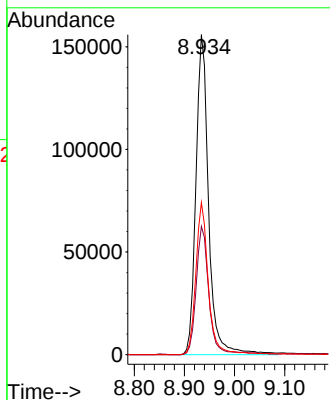
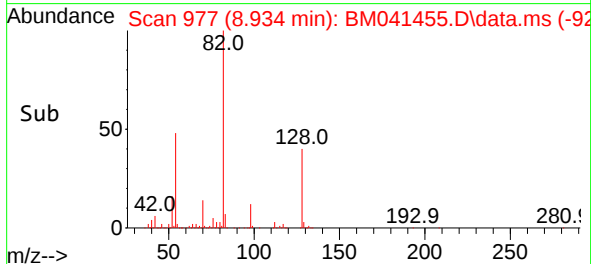
Instrument :
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ClientSampleId :
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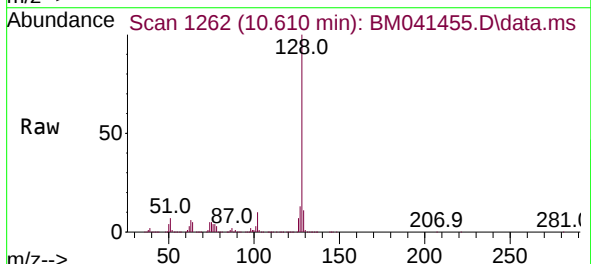
Tgt Ion: 82 Resp: 273778
Ion Ratio Lower Upper
82 100
128 40.1 32.2 48.4
54 47.5 37.5 56.3

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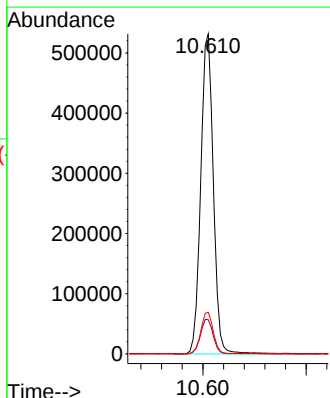
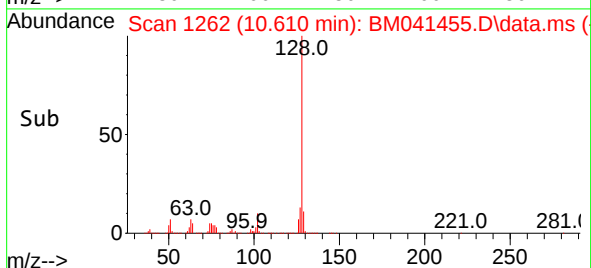
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

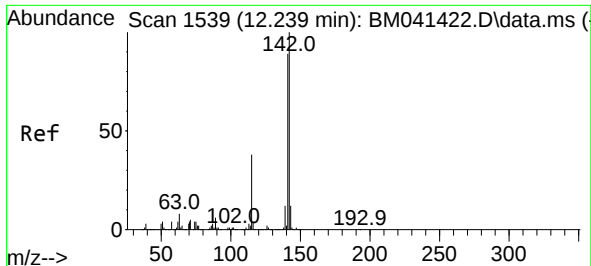


#31
Naphthalene
Concen: 27.854 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28



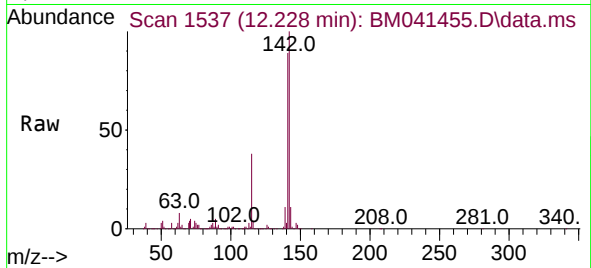
Tgt Ion:128 Resp: 896334
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.0 10.6 15.8





#37
2-Methylnaphthalene
Concen: 15.596 ng
RT: 12.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

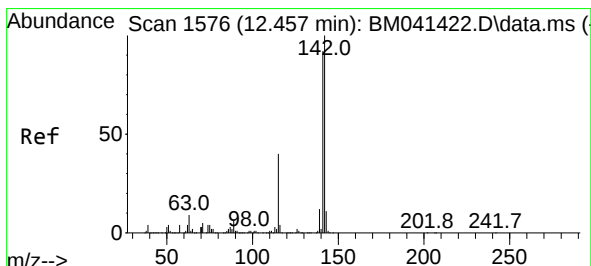
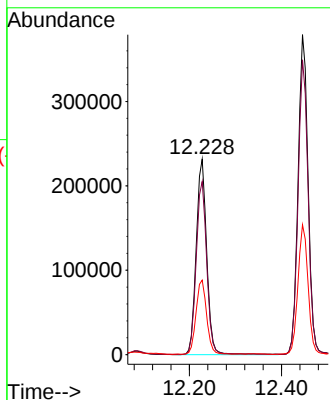
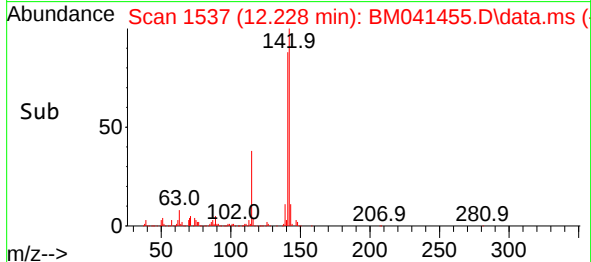
Instrument :
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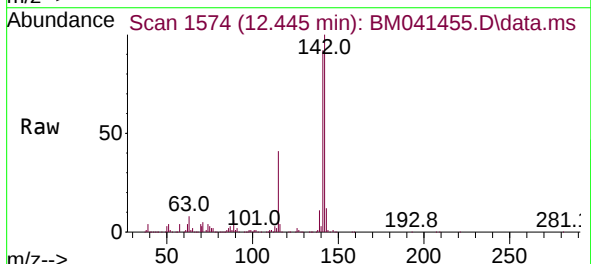
Tgt Ion:142 Resp: 365172
Ion Ratio Lower Upper
142 100
141 88.5 71.4 107.0
115 38.1 30.8 46.2

Manual Integrations
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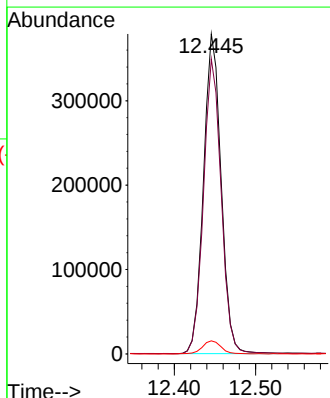
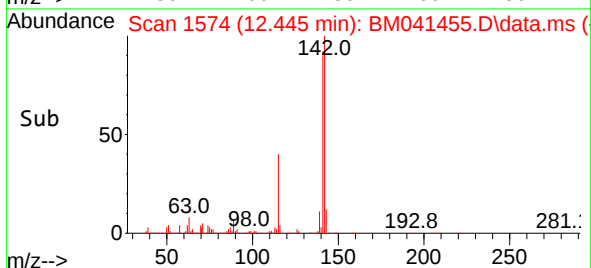
Reviewed By :Yogesh Patel 08/22/2023
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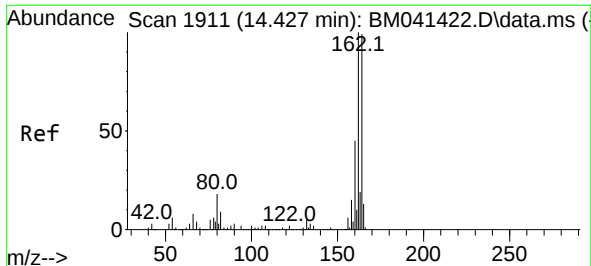


#38
1-Methylnaphthalene
Concen: 25.890 ng
RT: 12.445 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28



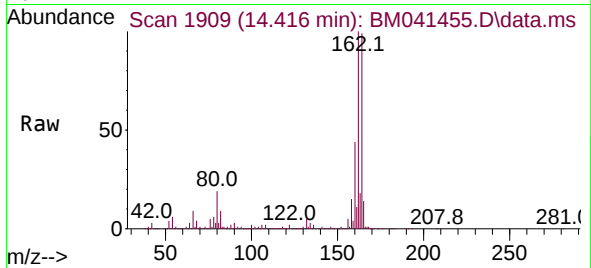
Tgt Ion:142 Resp: 572720
Ion Ratio Lower Upper
142 100
141 92.1 73.3 109.9
116 4.1 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1911
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

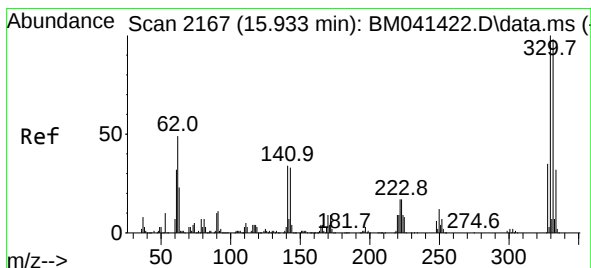
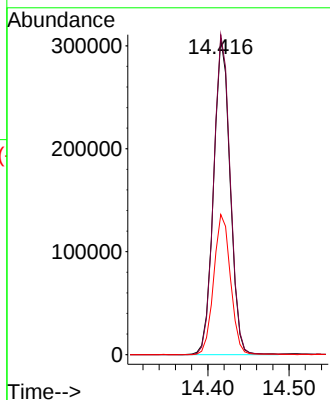
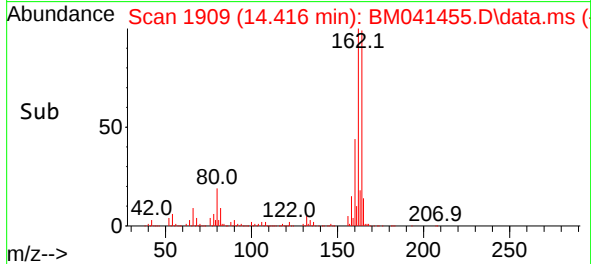
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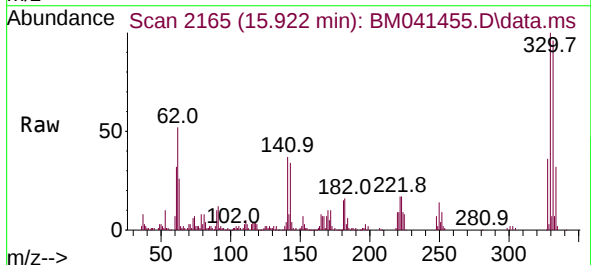
Tgt Ion:164 Resp: 434297
Ion Ratio Lower Upper
164 100
162 101.1 80.4 120.6
160 44.2 35.9 53.9

Manual Integrations
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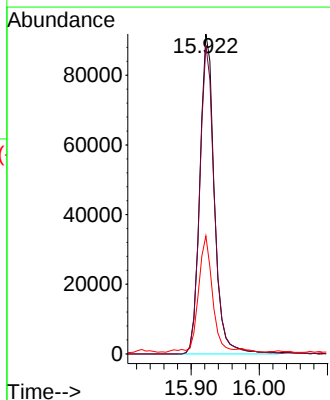
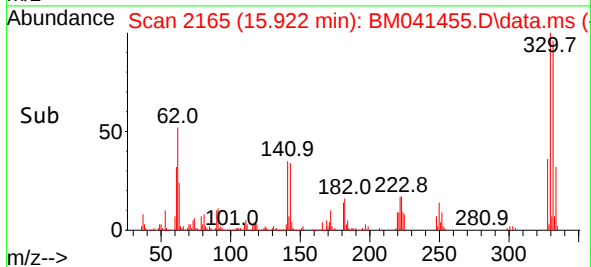
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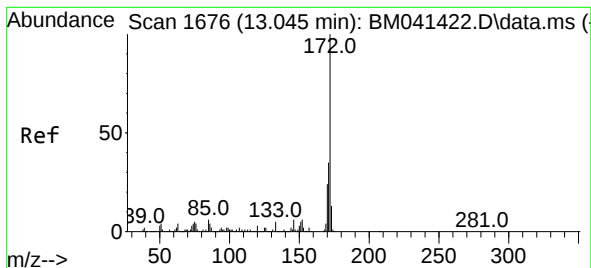


#42
2,4,6-Tribromophenol
Concen: 19.765 ng
RT: 15.922 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28



Tgt Ion:330 Resp: 136223
Ion Ratio Lower Upper
330 100
332 97.2 78.0 117.0
141 34.8 28.3 42.5





#45

2-Fluorobiphenyl

Concen: 22.052 ng

RT: 13.034 min Scan# 1676

Delta R.T. 0.000 min

Lab File: BM041455.D

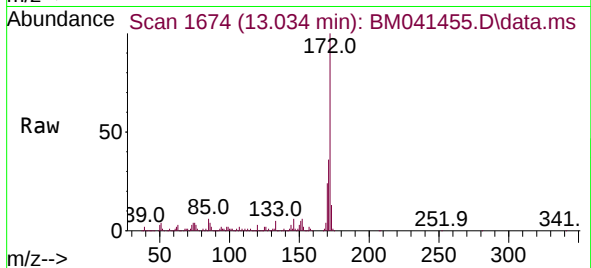
Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB05-Z113-114DL



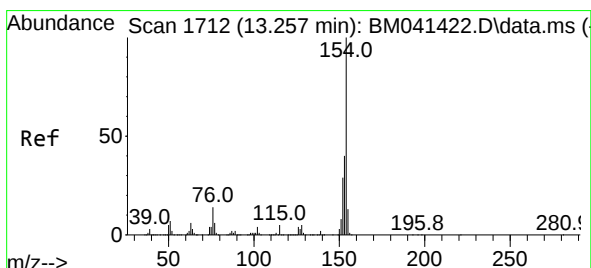
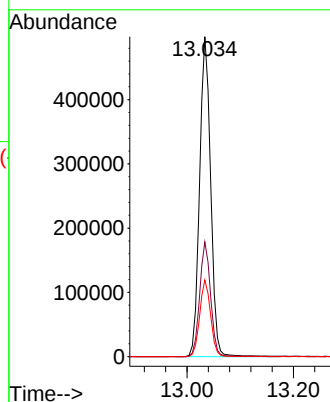
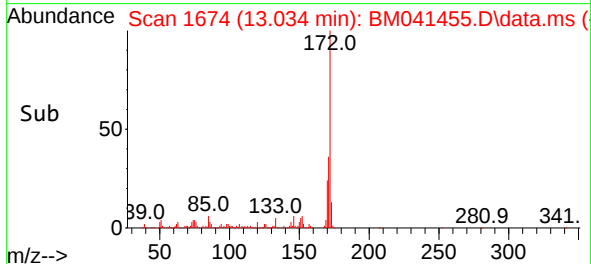
Tgt Ion:	172	Resp:	714684
Ion Ratio	Lower	Upper	
172	100		
171	35.8	28.3	42.5
170	23.9	19.0	28.6

Manual Integrations

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#46

1,1'-Biphenyl

Concen: 4.134 ng

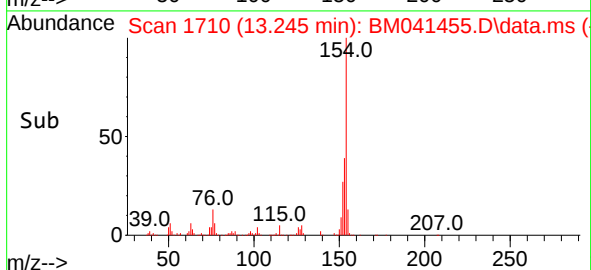
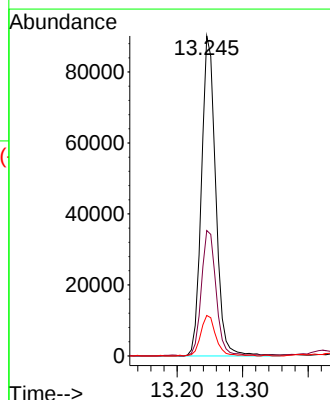
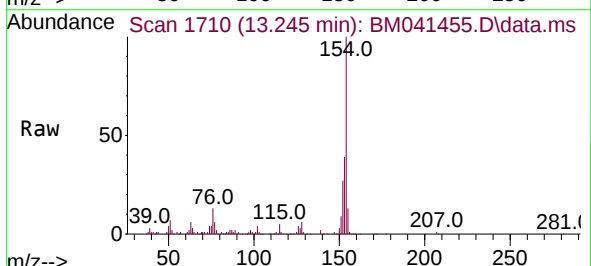
RT: 13.245 min Scan# 1710

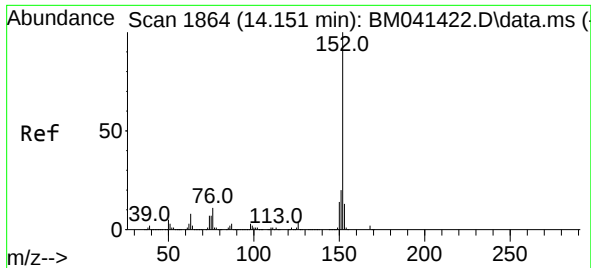
Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

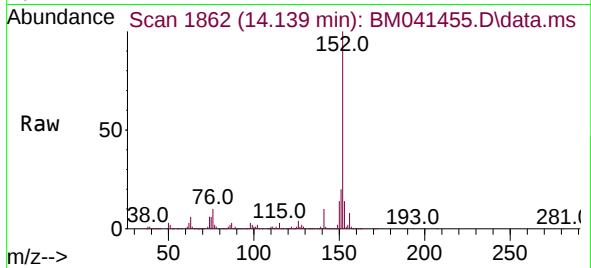
Tgt Ion:	154	Resp:	135491
Ion Ratio	Lower	Upper	
154	100		
153	39.2	20.4	60.4
76	12.6	0.0	33.6





#49
Acenaphthylene
Concen: 18.588 ng
RT: 14.139 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

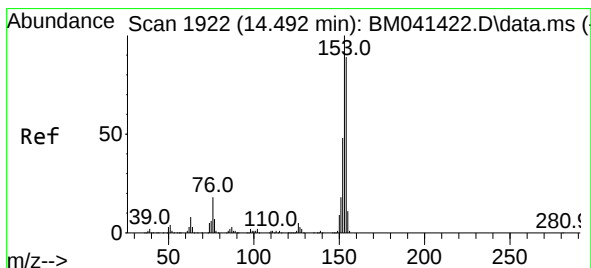
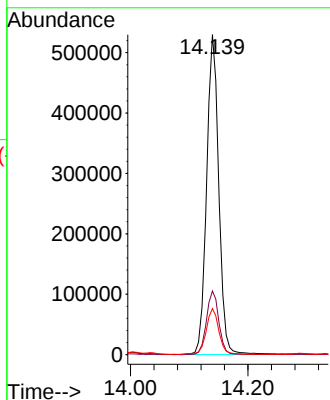
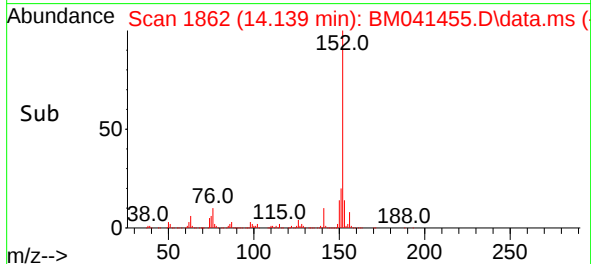
Instrument :
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ClientSampleId :
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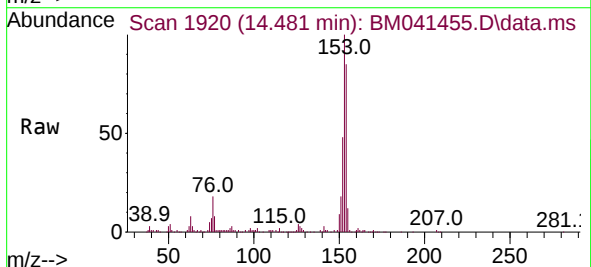
Tgt Ion:152 Resp: 758799
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 14.4 10.2 15.2

Manual Integrations
APPROVED

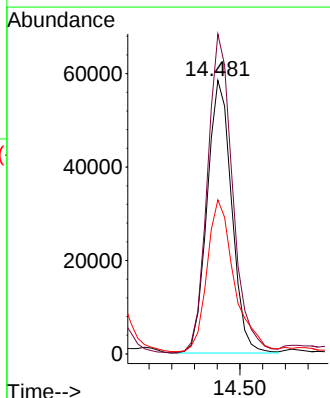
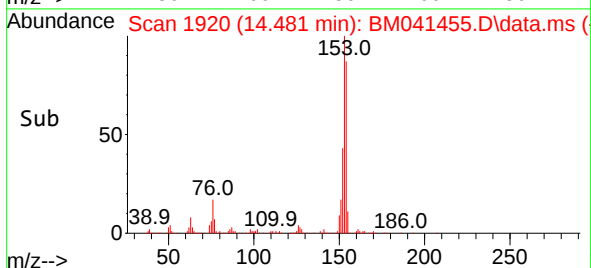
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

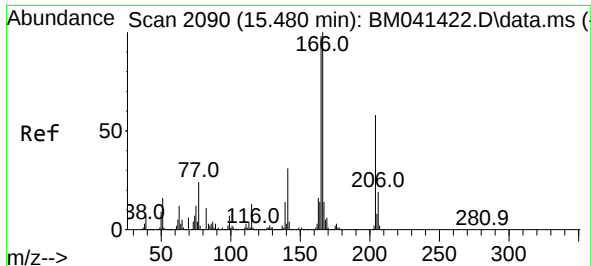


#52
Acenaphthene
Concen: 3.595 ng
RT: 14.481 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28



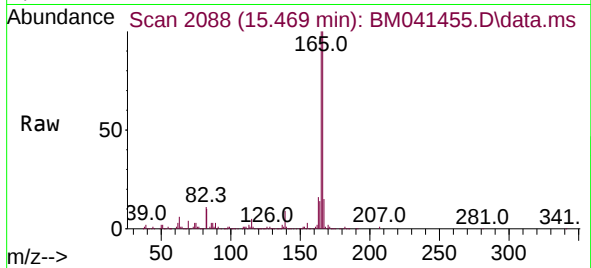
Tgt Ion:154 Resp: 87774
Ion Ratio Lower Upper
154 100
153 117.0 90.4 135.6
152 56.3 43.1 64.7





#58
Fluorene
Concen: 10.104 ng
RT: 15.469 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

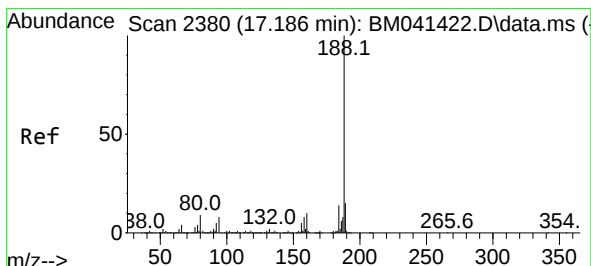
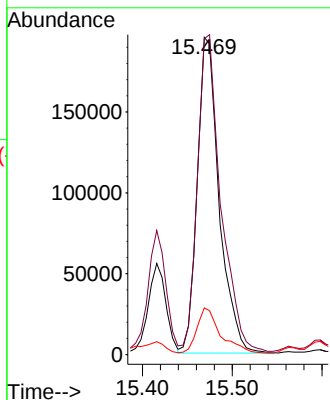
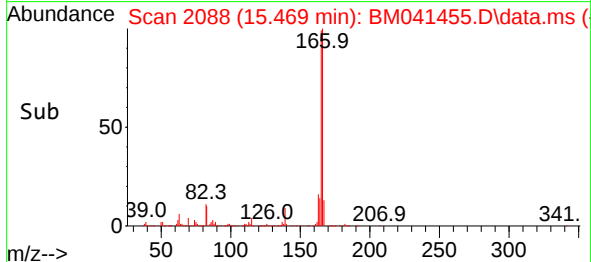
Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL



Tgt Ion:166 Resp: 331532
Ion Ratio Lower Upper
166 100
165 99.6 78.2 117.4
167 14.7 11.2 16.8

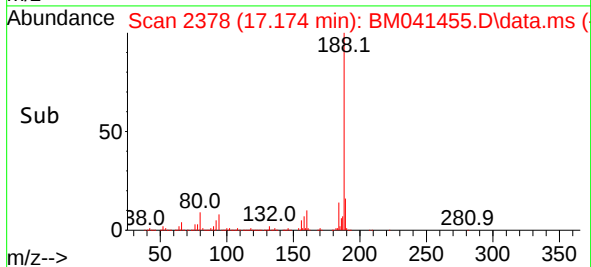
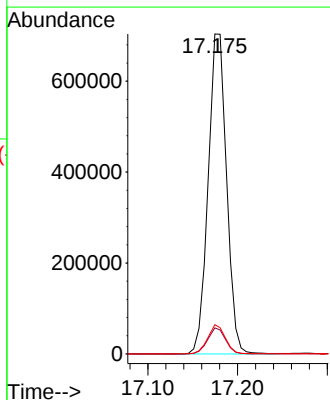
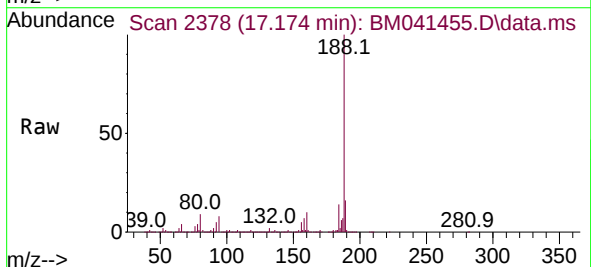
Manual Integrations
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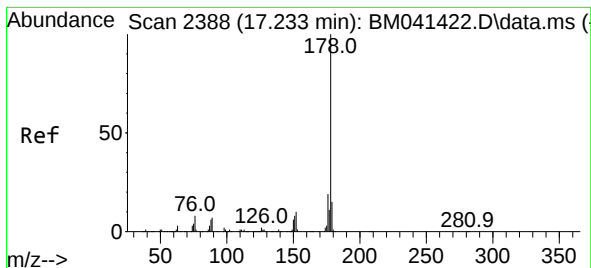
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.174 min Scan# 2378
Delta R.T. 0.000 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

Tgt Ion:188 Resp: 1011866
Ion Ratio Lower Upper
188 100
94 8.1 6.6 9.8
80 9.1 7.5 11.3





#71

Phenanthrene

Concen: 38.822 ng

RT: 17.222 min Scan# 2388

Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

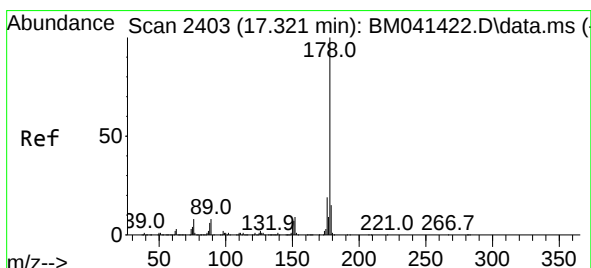
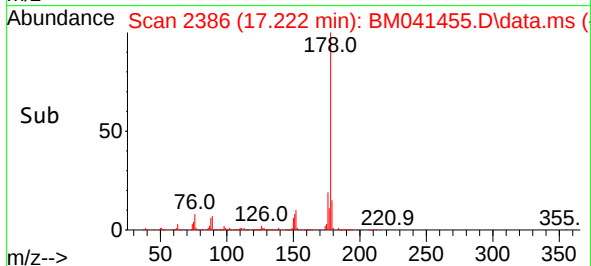
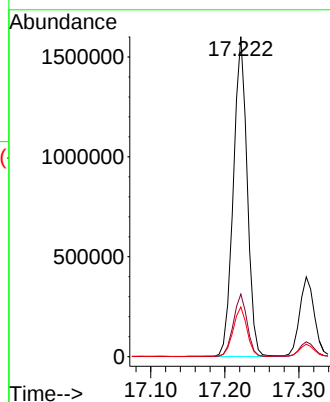
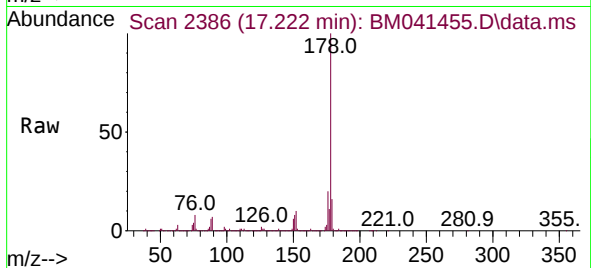
NEVINS-SB05-Z113-114DL

Tgt Ion:178 Resp: 2073575
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 15.5 12.2 18.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023



#72

Anthracene

Concen: 9.865 ng

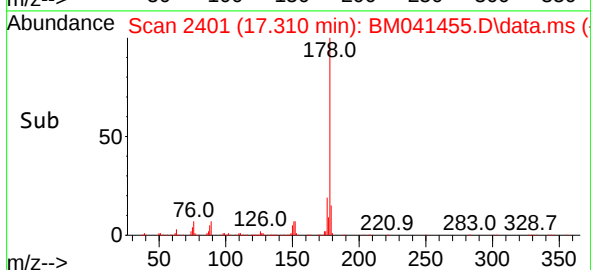
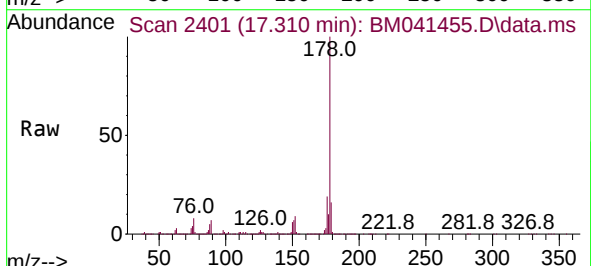
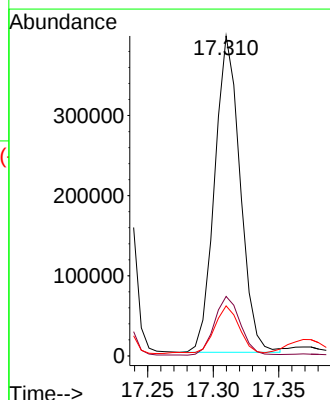
RT: 17.310 min Scan# 2401

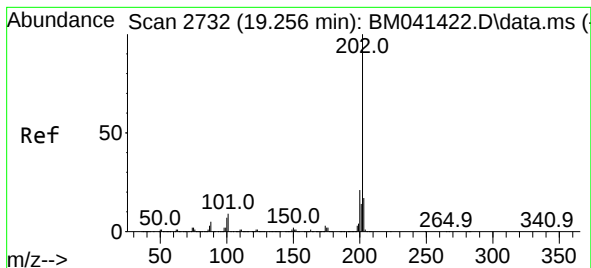
Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Tgt Ion:178 Resp: 534304
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 15.6 12.2 18.2





#75

Fluoranthene

Concen: 12.290 ng

RT: 19.245 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

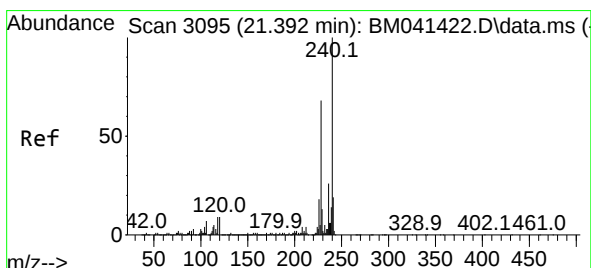
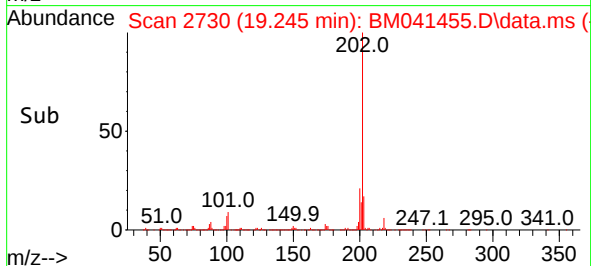
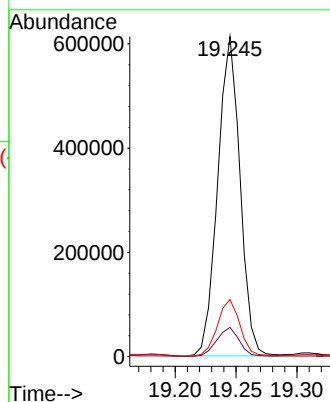
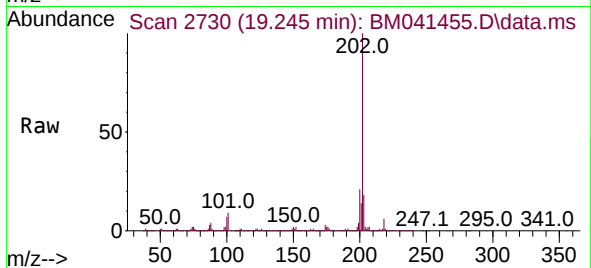
NEVINS-SB05-Z113-114DL

Tgt Ion:202 Resp: 781514
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 29.1
 203 17.8 0.0 37.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023



#76

Chrysene-d12

Concen: 20.000 ng

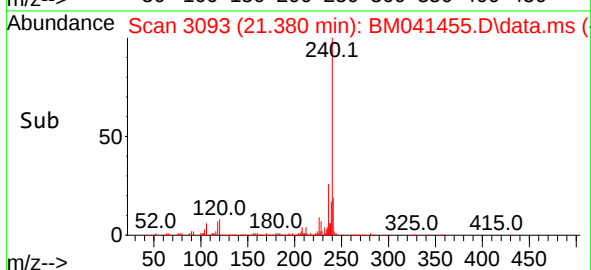
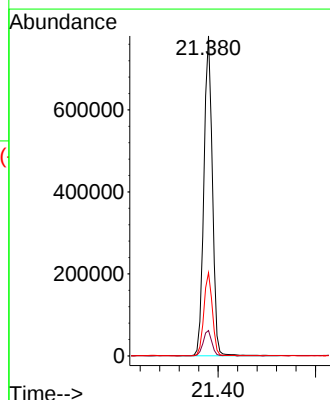
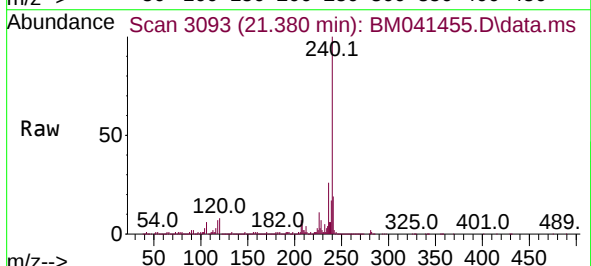
RT: 21.380 min Scan# 3093

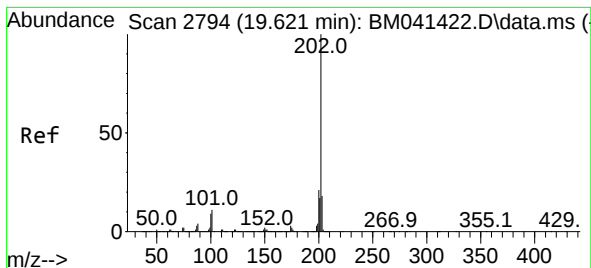
Delta R.T. -0.006 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Tgt Ion:240 Resp: 943005
 Ion Ratio Lower Upper
 240 100
 120 7.9 7.4 11.2
 236 26.0 20.8 31.2





#78

Pyrene

Concen: 17.858 ng

RT: 19.610 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM041455.D

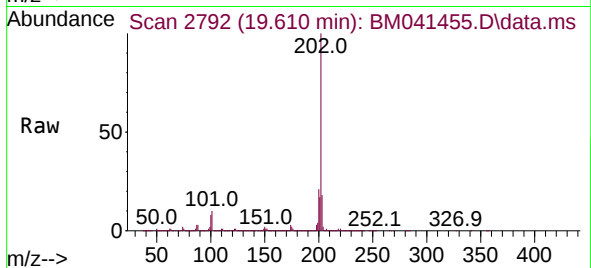
Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB05-Z113-114DL



Tgt Ion:202 Resp: 1204389

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

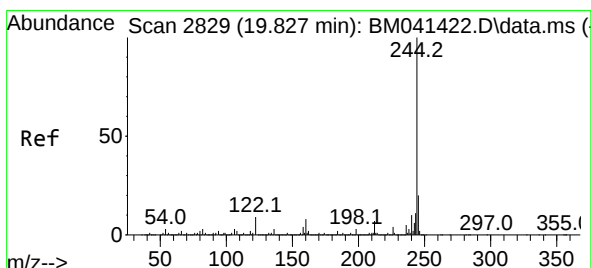
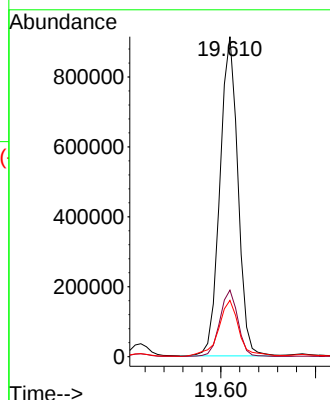
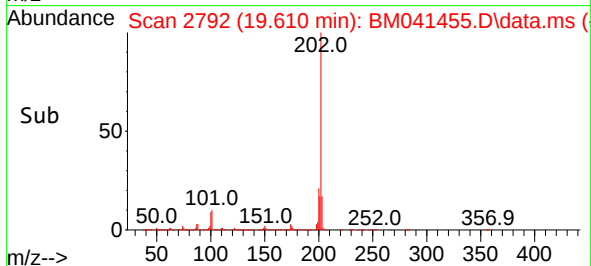
203 17.6 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#79

Terphenyl-d14

Concen: 24.579 ng

RT: 19.816 min Scan# 2827

Delta R.T. 0.000 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

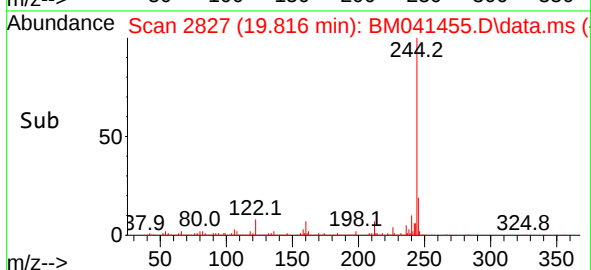
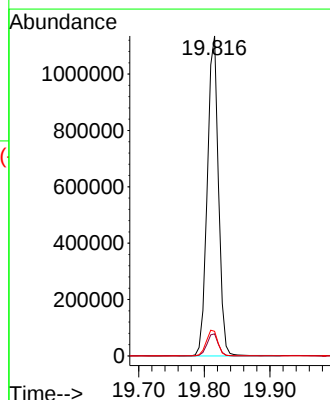
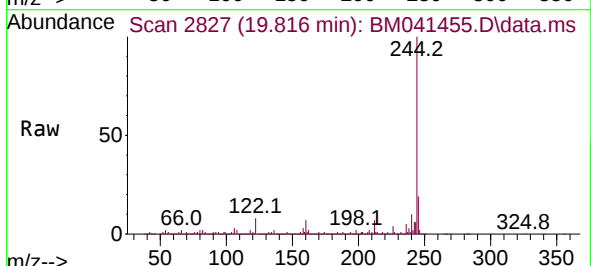
Tgt Ion:244 Resp: 1331963

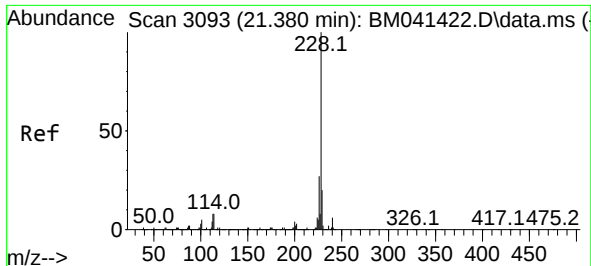
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

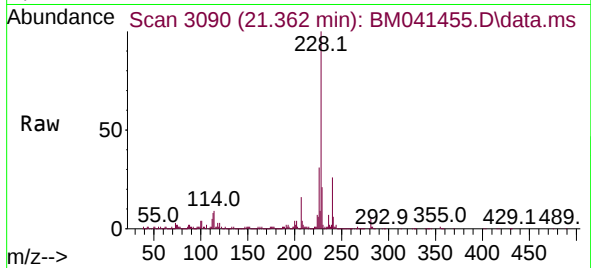
122 7.7 6.9 10.3





#81
Benzo(a)anthracene
Concen: 6.359 ng
RT: 21.362 min Scan# 3090
Delta R.T. -0.006 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

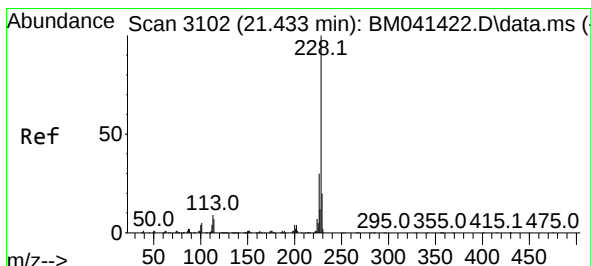
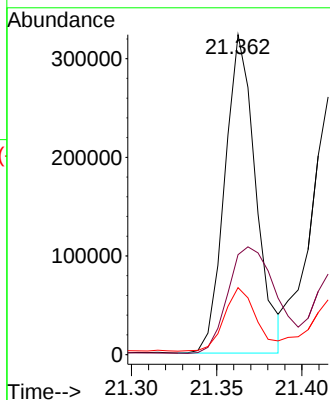
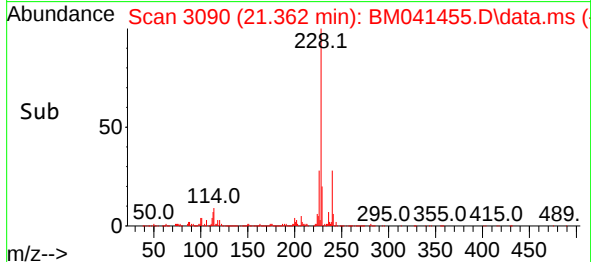
Instrument : BNA_M
ClientSampleId : NEVINS-SB05-Z113-114DL



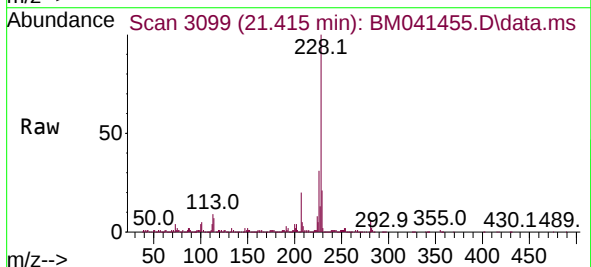
Tgt Ion:228 Resp: 409462
Ion Ratio Lower Upper
228 100
226 31.2 21.6 32.4
229 20.9 15.8 23.6

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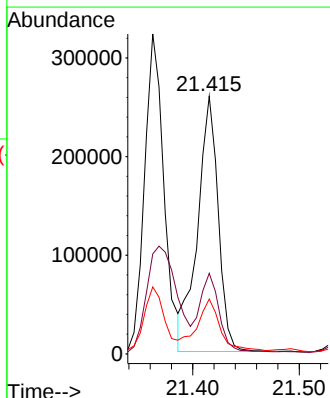
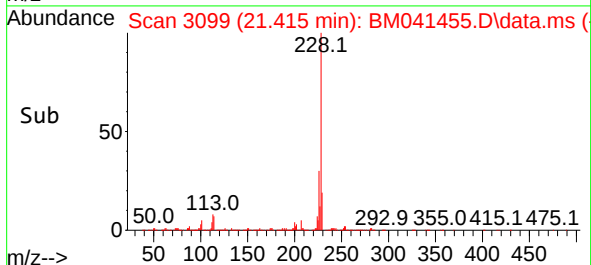
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

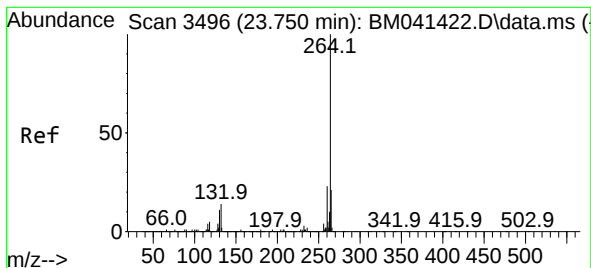


#83
Chrysene
Concen: 5.698 ng
RT: 21.415 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28



Tgt Ion:228 Resp: 348809
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.4
229 21.3 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 34

Delta R.T. -0.011 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

Instrument :

BNA_M

ClientSampleId :

NEVINS-SB05-Z113-114DL

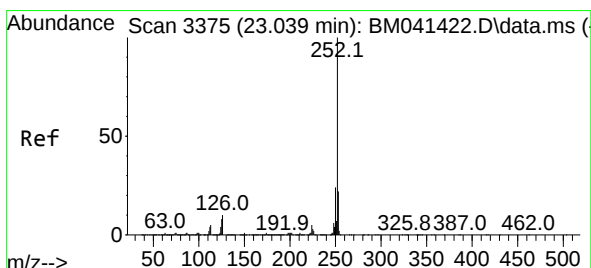
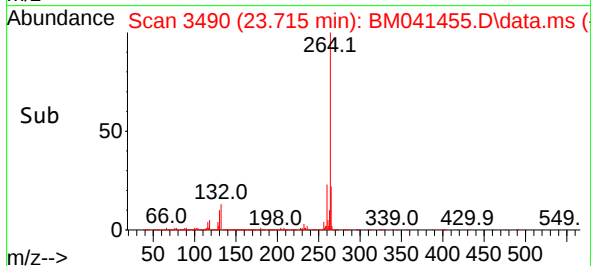
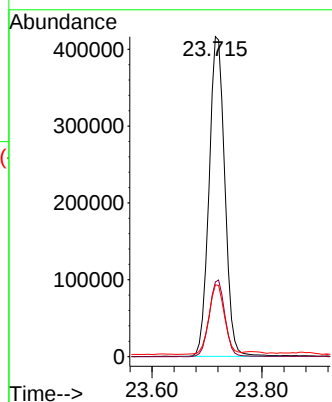
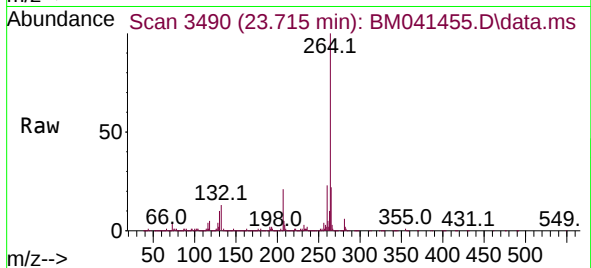
Tgt Ion:264	Resp:	829002
Ion Ratio	Lower	Upper
264	100	
260	23.3	18.6 27.8
265	22.5	17.5 26.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#88

Benzo(b)fluoranthene

Concen: 3.798 ng m

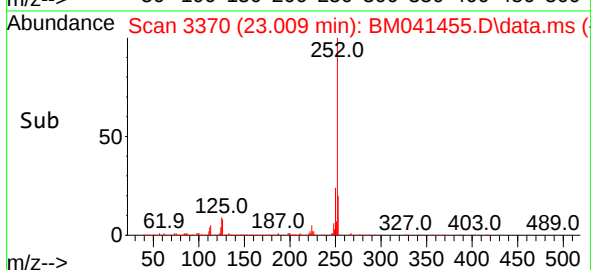
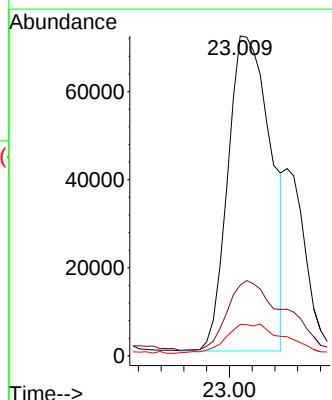
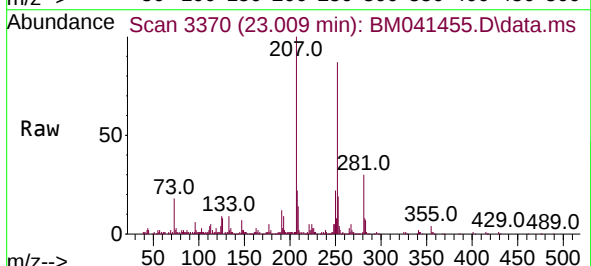
RT: 23.009 min Scan# 3370

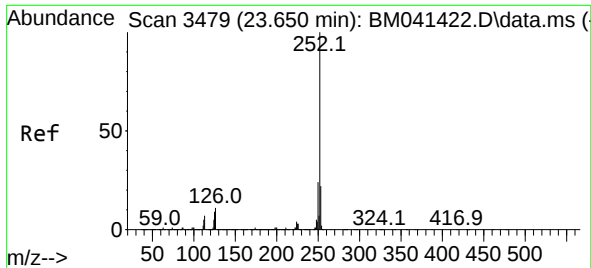
Delta R.T. -0.006 min

Lab File: BM041455.D

Acq: 21 Aug 2023 19:28

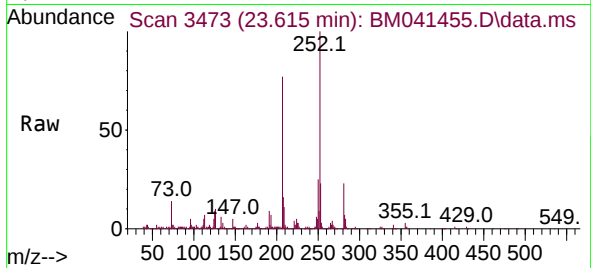
Tgt Ion:252	Resp:	187654
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.4 26.0
125	9.8	6.6 10.0





#90
Benzo(a)pyrene
Concen: 4.532 ng
RT: 23.615 min Scan# 3473
Delta R.T. -0.011 min
Lab File: BM041455.D
Acq: 21 Aug 2023 19:28

Instrument :
BNA_M
ClientSampleId :
NEVINS-SB05-Z113-114DL



Tgt Ion:252 Resp: 213212
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.9 7.2 10.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

