

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042581.D
 Acq On : 03 Nov 2023 21:35
 Operator : MA/JU
 Sample : 05141-03 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PE-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Nov 03 22:41:49 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/04/2023
1) 1,4-Dichlorobenzene-d4	7.916	152	49067	20.000	ng	0.00	Supervised By :mohammad
21) Naphthalene-d8	10.734	136	188774	20.000	ng	0.00	Summed
39) Acenaphthene-d10	14.569	164	117235	20.000	ng	0.00	
64) Phenanthrene-d10	17.321	188	254063	20.000	ng	# 0.00	
76) Chrysene-d12	21.503	240	259808	20.000	ng	# 0.00	
86) Perylene-d12	23.921	264	287665	20.000	ng	0.00	11/04/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.452	112	26424	8.691	ng	0.01	
7) Phenol-d6	7.081	99	33380	8.005	ng	0.00	
23) Nitrobenzene-d5	9.116	82	23753	5.866	ng	0.00	
42) 2,4,6-Tribromophenol	16.063	330	13151	8.592	ng	0.00	
45) 2-Fluorobiphenyl	13.186	172	50829	5.834	ng	0.00	
79) Terphenyl-d14	19.933	244	83640	5.459	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	10.786	128	47480	4.868	ng		99
52) Acenaphthene	14.633	154	80173	12.133	ng		97
55) Dibenzofuran	14.969	168	35749	3.327	ng		99
58) Fluorene	15.616	166	55426	6.376	ng		99
71) Phenanthrene	17.363	178	701774	52.856	ng		99
72) Anthracene	17.457	178	155150	11.798	ng		100
73) Carbazole	17.745	167	60883	5.691	ng		99
75) Fluoranthene	19.380	202	897650	57.556	ng		98
78) Pyrene	19.745	202	781830	43.824	ng		99
81) Benzo(a)anthracene	21.486	228	374749	22.670	ng		99
83) Chrysene	21.539	228	329496	19.623	ng		96
87) Indeno(1,2,3-cd)pyrene	26.450	276	170637	9.966	ng	#	91
88) Benzo(b)fluoranthene	23.174	252	372980	23.273	ng		99
89) Benzo(k)fluoranthene	23.221	252	130581m	7.312	ng		
90) Benzo(a)pyrene	23.815	252	269804	17.100	ng		96
91) Dibenzo(a,h)anthracene	26.462	278	40744	6.494	ng		95
92) Benzo(g,h,i)perylene	27.244	276	169658	11.243	ng	#	95

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

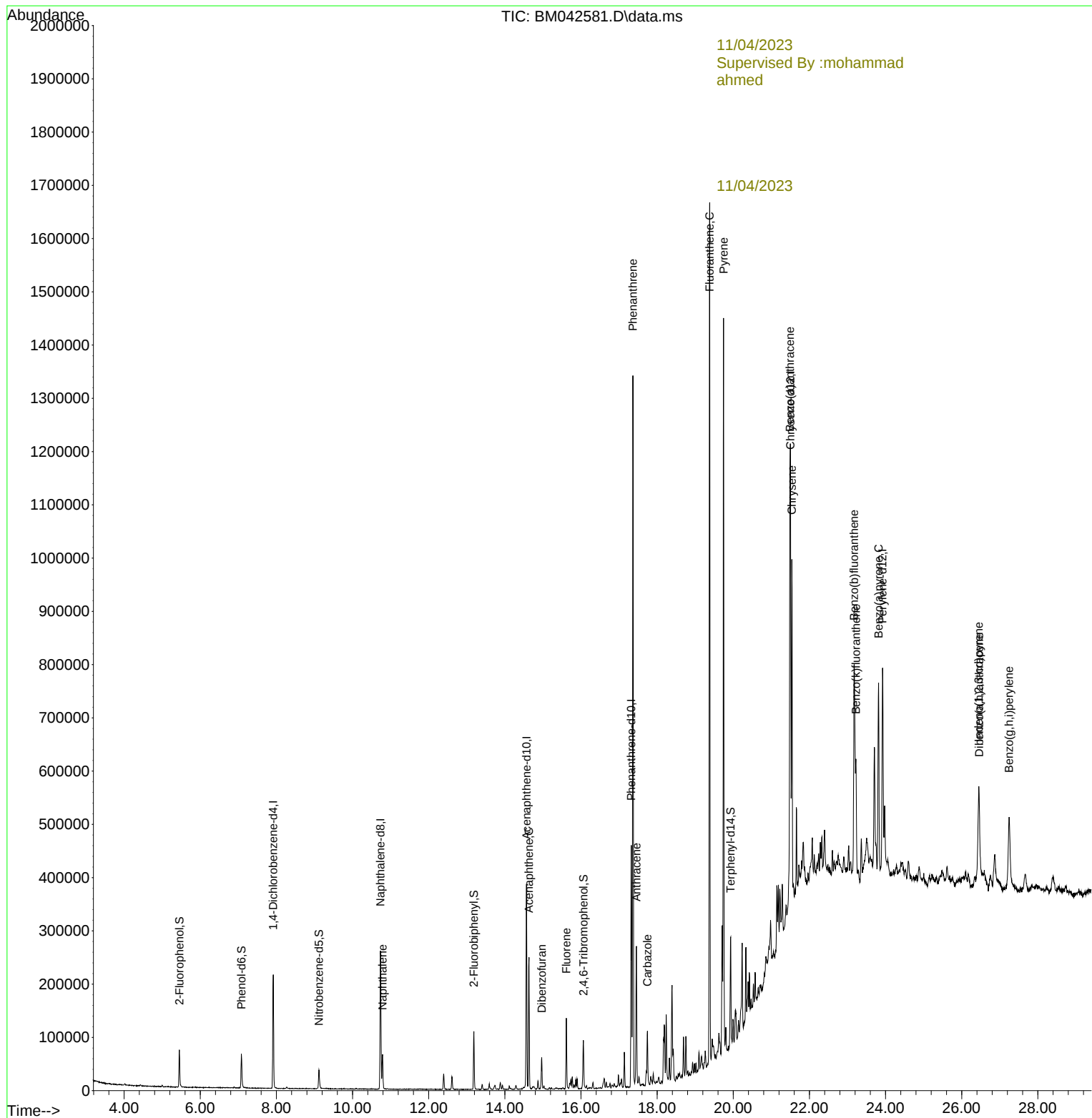
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042581.D
Acq On : 03 Nov 2023 21:35
Operator : MA/JU
Sample : 05141-03 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PE-3

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

Quant Time: Nov 03 22:41:49 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





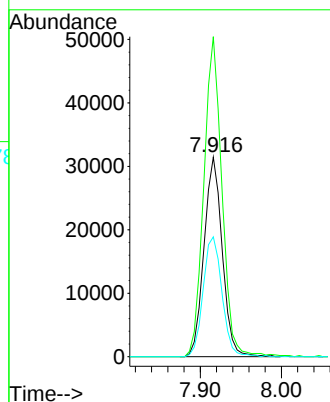
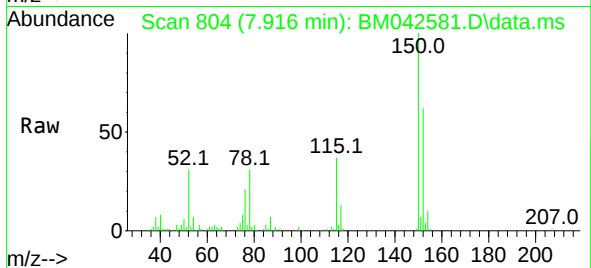
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 806
Delta R.T. 0.006 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35

Instrument :
BNA_M
ClientSampleId :
PE-3

Tgt Ion:152 Resp: 4906
Ion Ratio Lower Upper
152 100
150 160.4 127.4 191.0
115 60.1 47.9 71.9

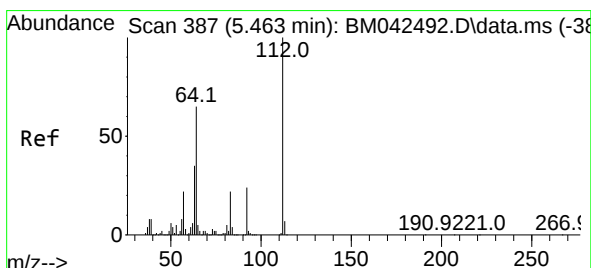
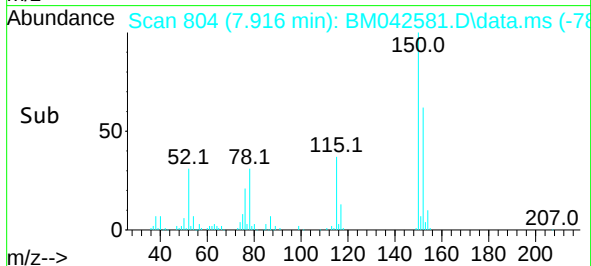
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



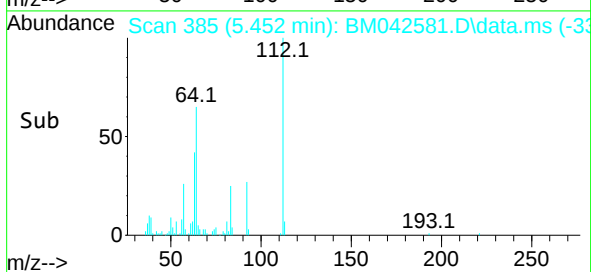
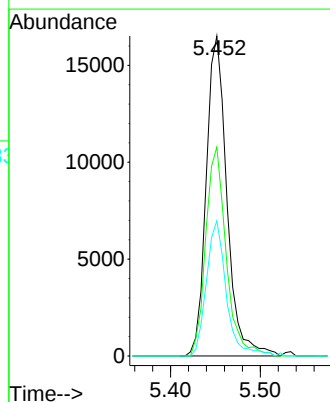
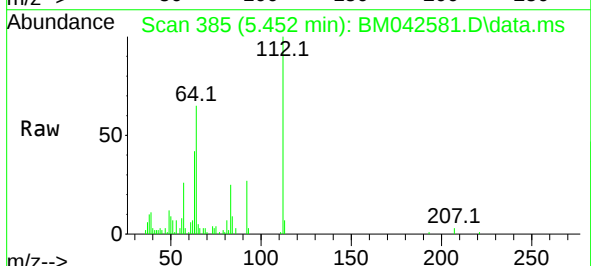
11/04/2023
Supervised By :mohammad
ahmed

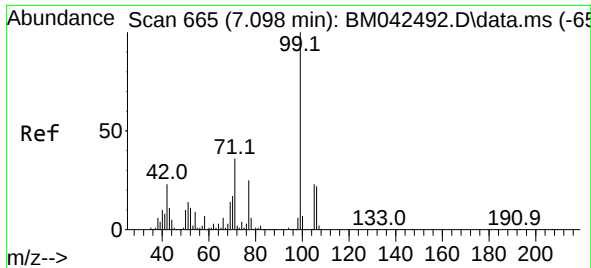
11/04/2023



#5
2-Fluorophenol
Concen: 8.691 ng
RT: 5.452 min Scan# 385
Delta R.T. 0.012 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35

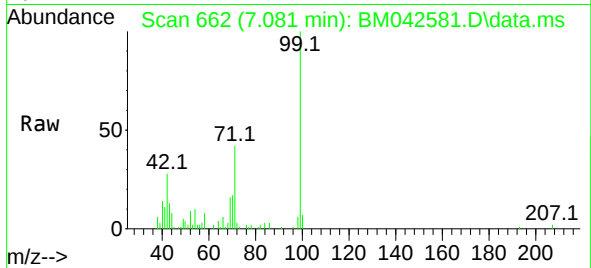
Tgt Ion:112 Resp: 26424
Ion Ratio Lower Upper
112 100
64 65.3 52.1 78.1
63 42.2 28.3 42.5





#7
Phenol-d6
Concen: 8.005 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35

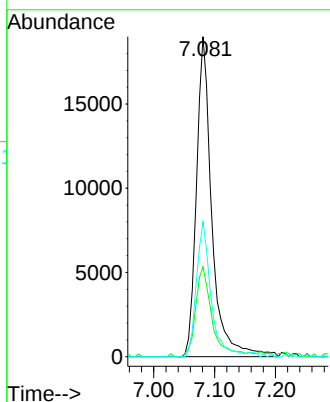
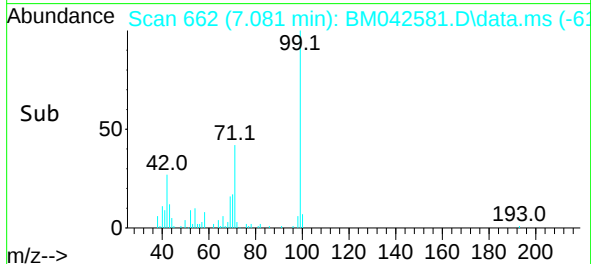
Instrument :
BNA_M
ClientSampleId :
PE-3



Tgt Ion: 99 Resp: 33380
Ion Ratio Lower Upper
99 100
42 28.1 18.7 28.1
71 42.1 29.1 43.7

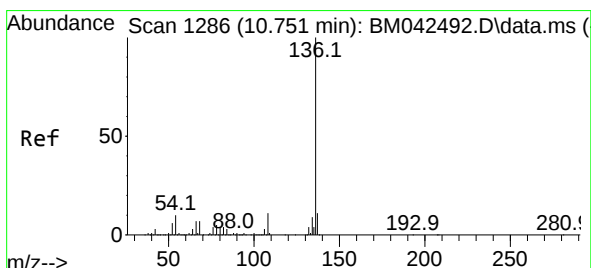
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

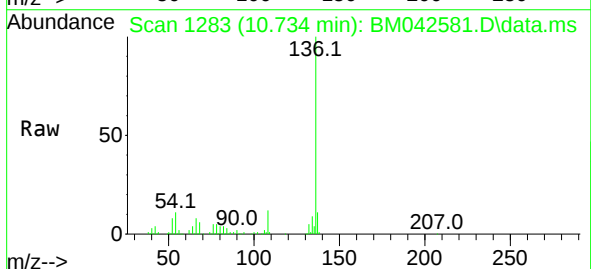


11/04/2023
Supervised By :mohammad
ahmed

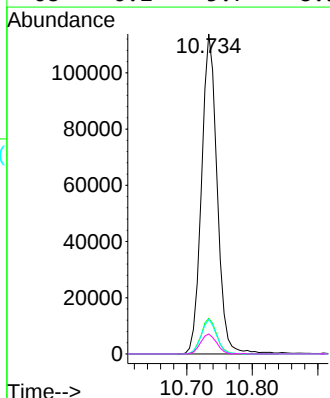
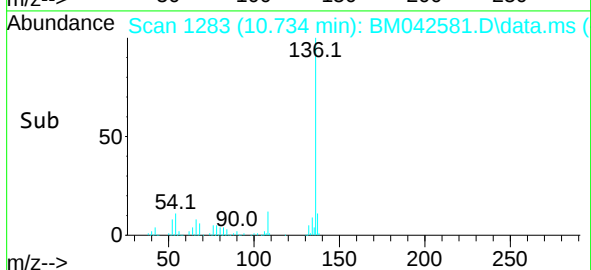
11/04/2023

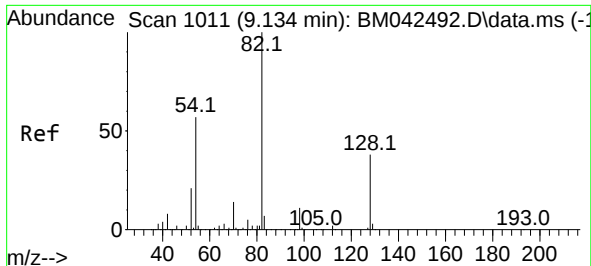


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35



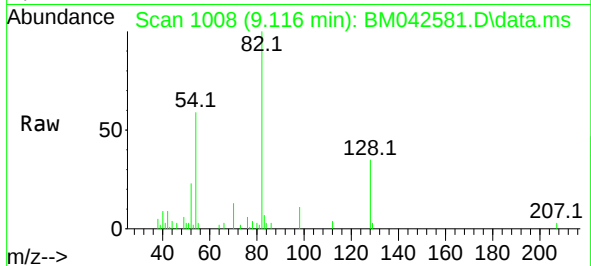
Tgt Ion:136 Resp: 188774
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.8 8.0 12.0
68 6.2 5.7 8.5





#23
Nitrobenzene-d5
Concen: 5.866 ng
RT: 9.116 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35

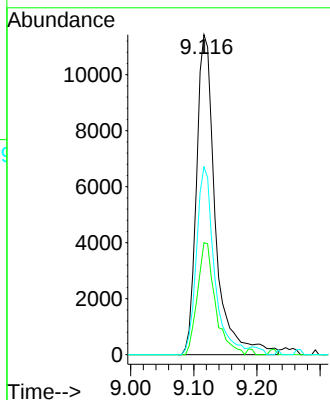
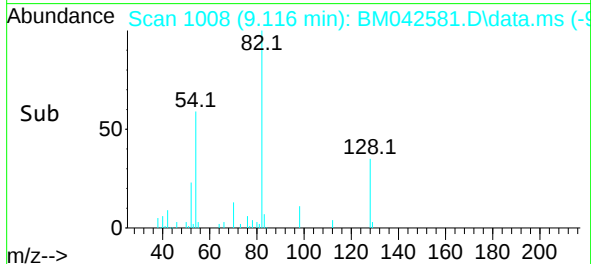
Instrument :
BNA_M
ClientSampleId :
PE-3



Tgt Ion: 82 Resp: 2375
Ion Ratio Lower Upper
82 100
128 35.0 30.7 46.1
54 58.7 45.3 67.9

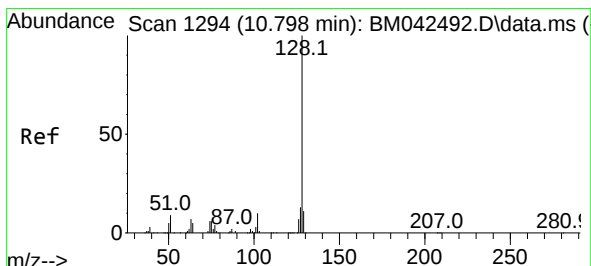
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

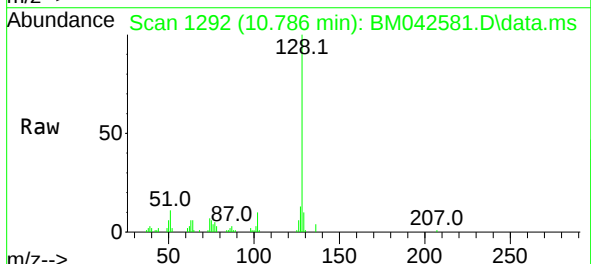


11/04/2023
Supervised By :mohammad
ahmed

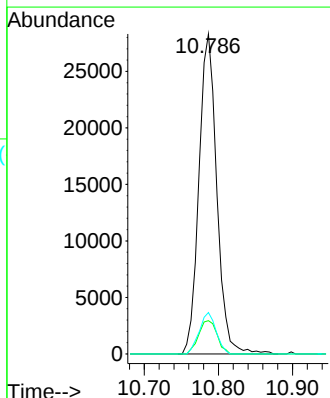
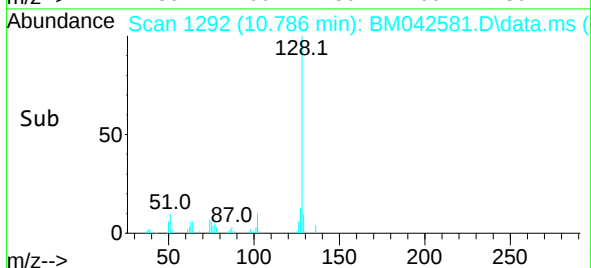
11/04/2023

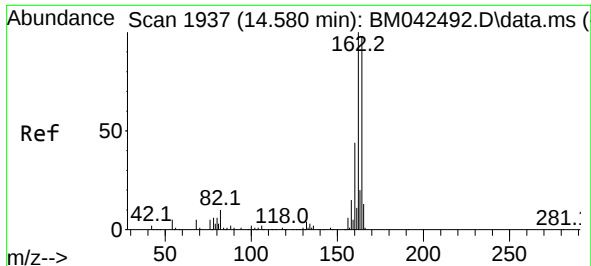


#31
Naphthalene
Concen: 4.868 ng
RT: 10.786 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35



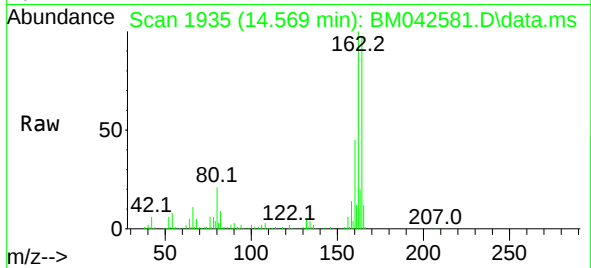
Tgt Ion:128 Resp: 47480
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.0 10.6 15.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35

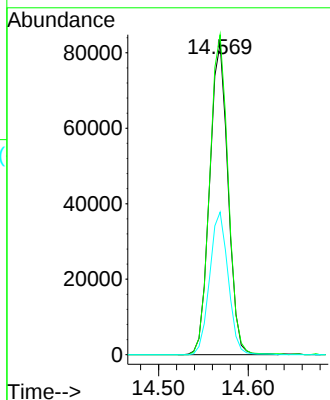
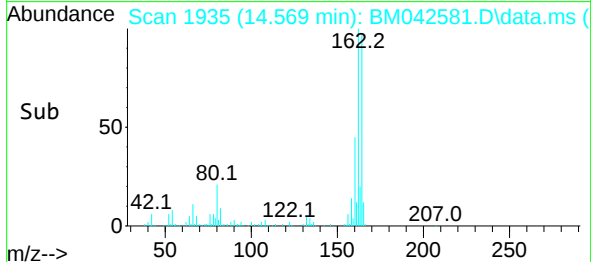
Instrument :
BNA_M
ClientSampleId :
PE-3



Tgt Ion:164 Resp: 11723
Ion Ratio Lower Upper
164 100
162 102.8 81.6 122.4
160 45.8 36.2 54.4

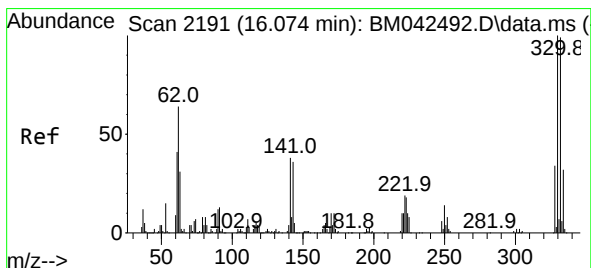
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

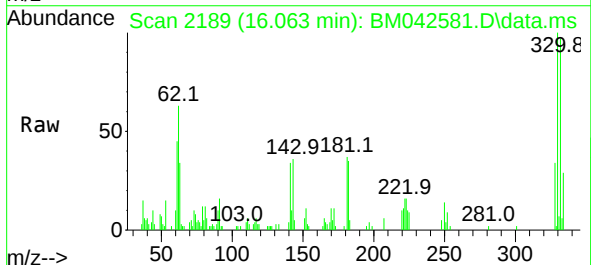


11/04/2023
Supervised By :mohammad
ahmed

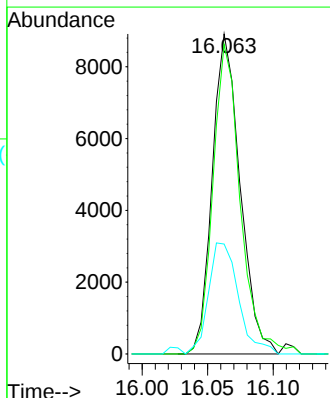
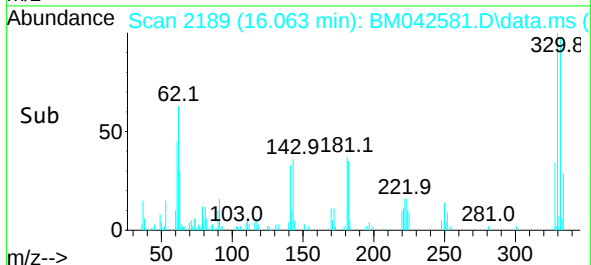
11/04/2023

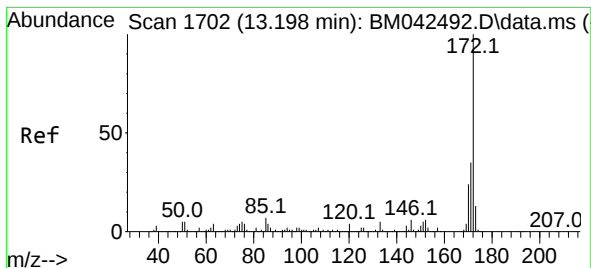


#42
2,4,6-Tribromophenol
Concen: 8.592 ng
RT: 16.063 min Scan# 2189
Delta R.T. -0.000 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35



Tgt Ion:330 Resp: 13151
Ion Ratio Lower Upper
330 100
332 95.0 78.8 118.2
141 38.2 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 5.834 ng

RT: 13.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

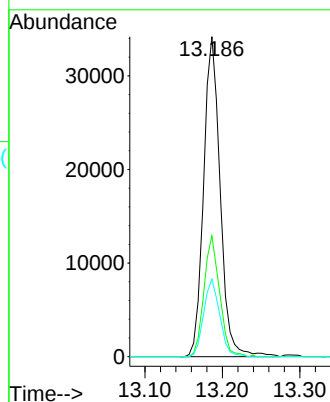
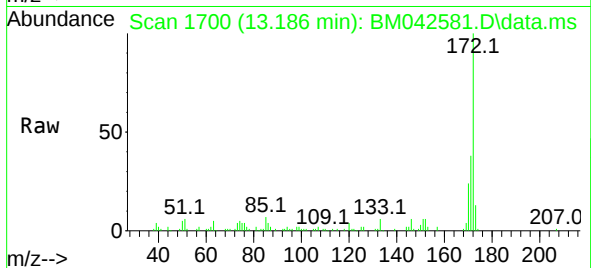
PE-3

Tgt Ion:172	Resp: 50829
Ion Ratio	Lower Upper
172 100	
171 37.8	28.2 42.2
170 24.2	19.0 28.4

Manual Integrations

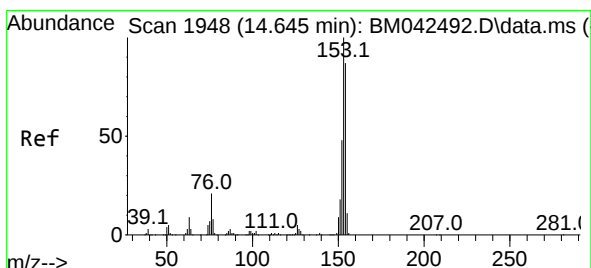
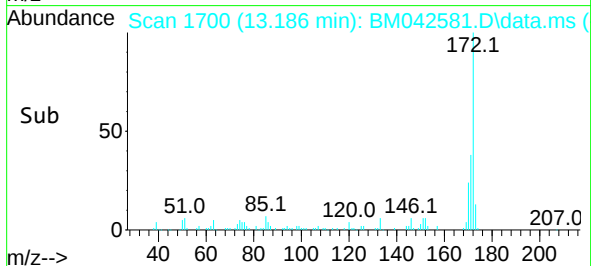
APPROVED

Reviewed By :Yogesh
Patel



11/04/2023
Supervised By :mohammad
ahmed

11/04/2023



#52

Acenaphthene

Concen: 12.133 ng

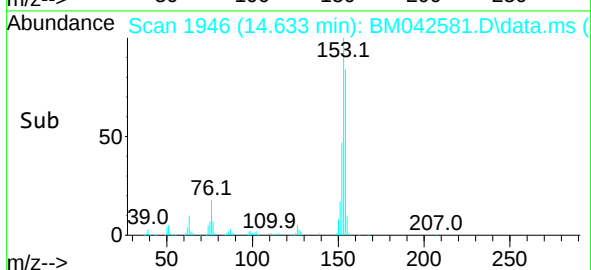
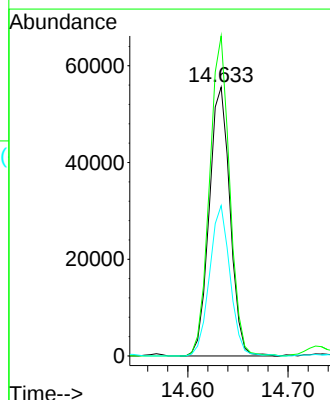
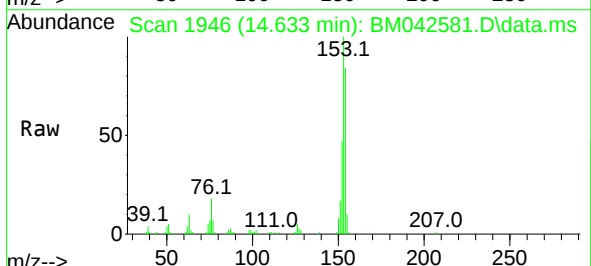
RT: 14.633 min Scan# 1946

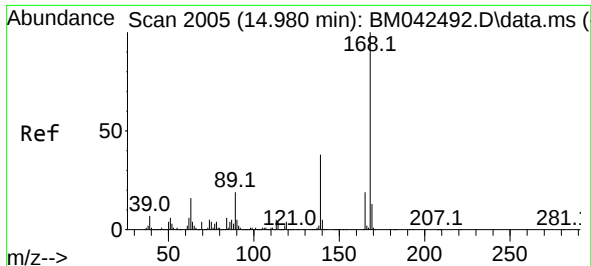
Delta R.T. -0.000 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

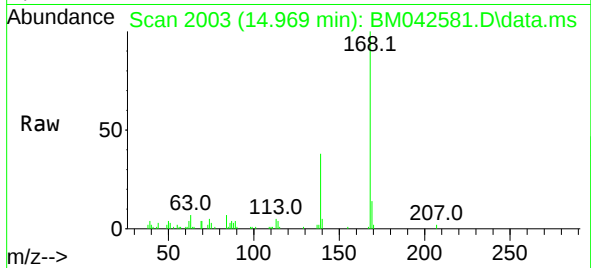
Tgt Ion:154	Resp: 80173
Ion Ratio	Lower Upper
154 100	
153 119.0	92.0 138.0
152 56.0	44.0 66.0





#55
Dibenzenofuran
Concen: 3.327 ng
RT: 14.969 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35

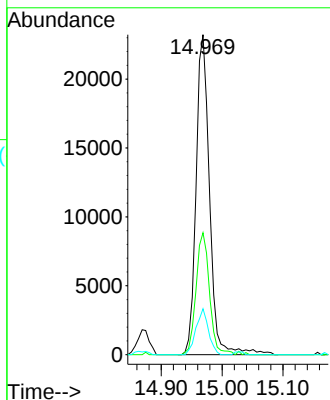
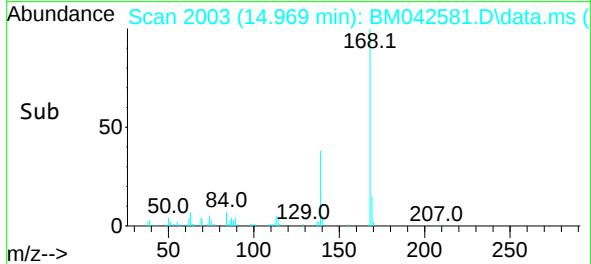
Instrument :
BNA_M
ClientSampleId :
PE-3



Tgt Ion:168 Resp: 35749
Ion Ratio Lower Upper
168 100
139 38.1 30.4 45.6
169 14.4 10.6 15.8

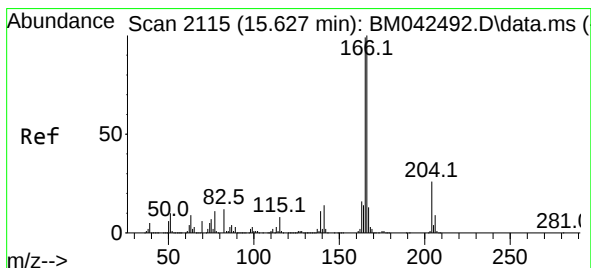
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

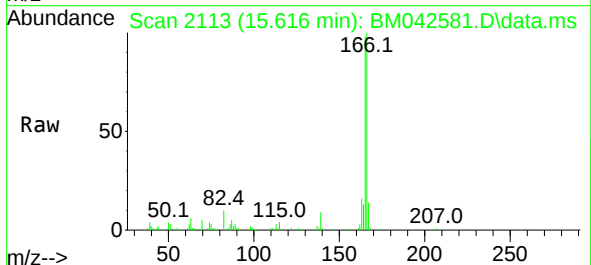


11/04/2023
Supervised By :mohammad
ahmed

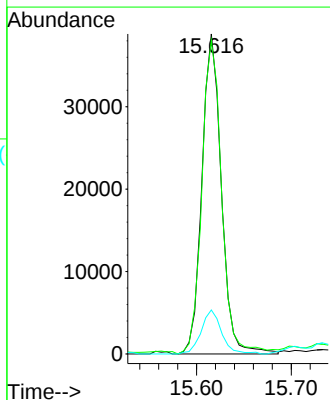
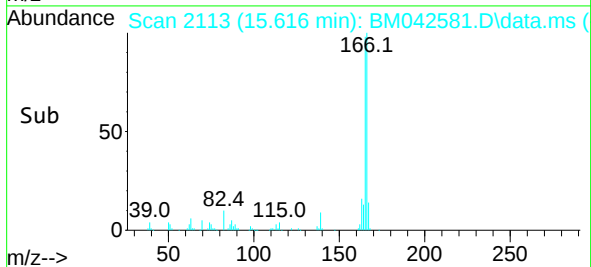
11/04/2023

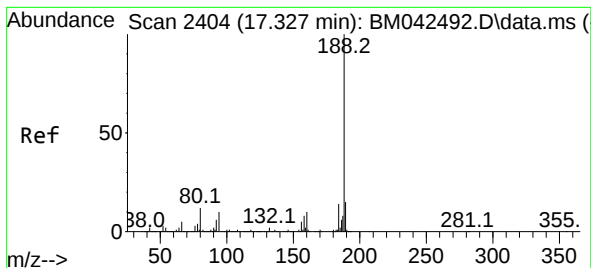


#58
Fluorene
Concen: 6.376 ng
RT: 15.616 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35



Tgt Ion:166 Resp: 55426
Ion Ratio Lower Upper
166 100
165 98.1 79.3 118.9
167 13.8 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2404

Delta R.T. 0.006 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

PE-3

Tgt Ion:188 Resp: 25406

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.4

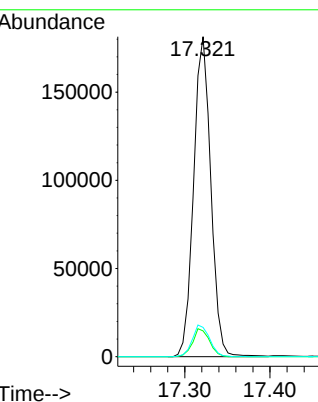
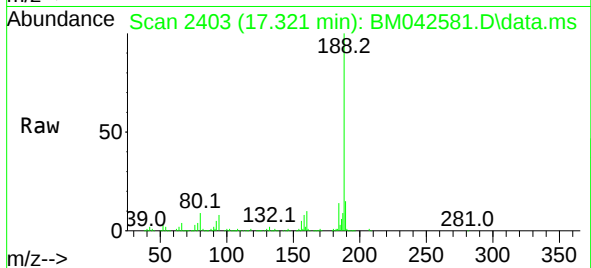
80 9.2 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh

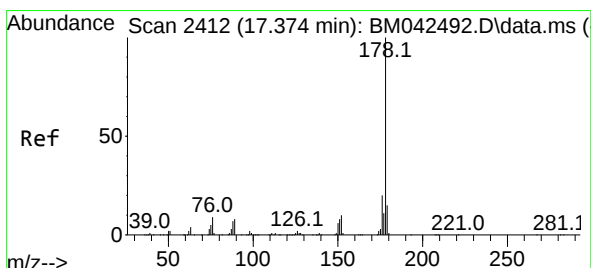
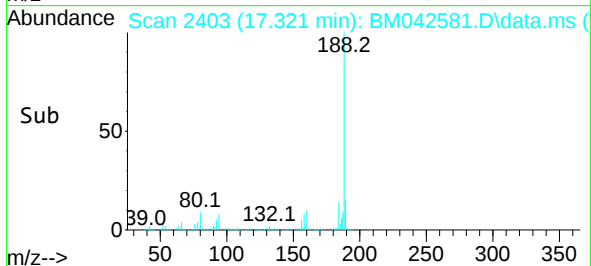
Patel



11/04/2023

Supervised By :mohammad
ahmed

11/04/2023



#71

Phenanthrene

Concen: 52.856 ng

RT: 17.363 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

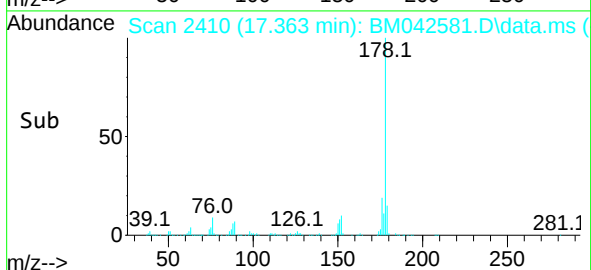
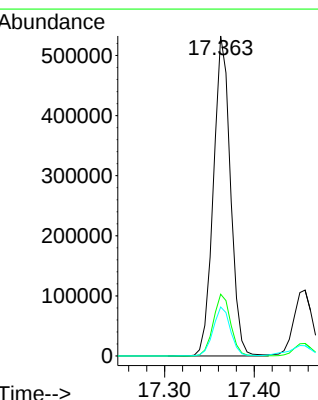
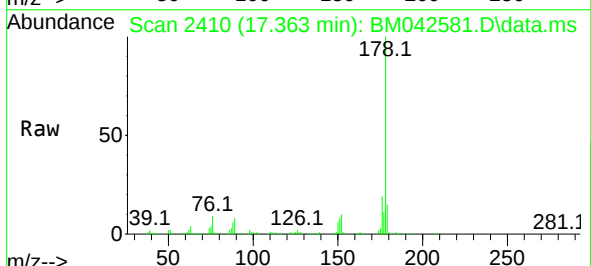
Tgt Ion:178 Resp: 701774

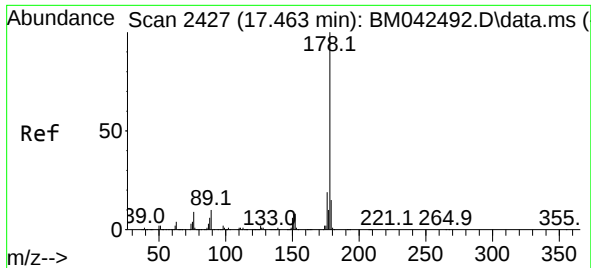
Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

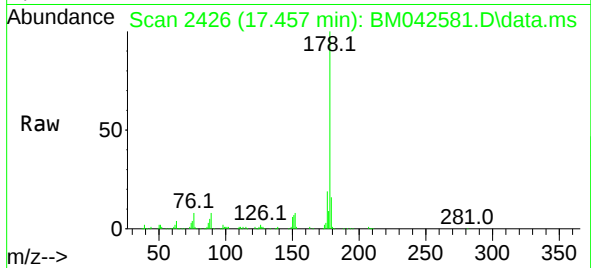
179 15.3 12.2 18.4





#72
 Anthracene
 Concen: 11.798 ng
 RT: 17.457 min Scan# 2427
 Delta R.T. 0.006 min
 Lab File: BM042581.D
 Acq: 03 Nov 2023 21:35

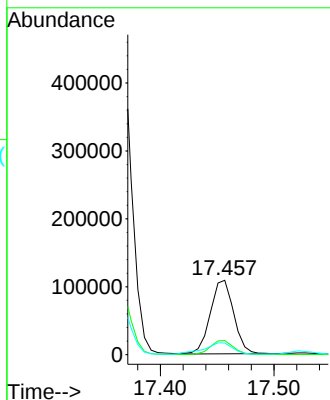
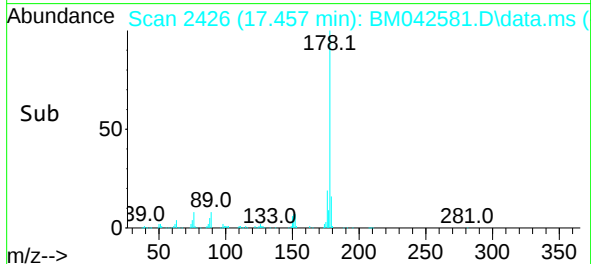
Instrument :
 BNA_M
 ClientSampleId :
 PE-3



Tgt Ion:178 Resp: 155150
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.6 12.3 18.5

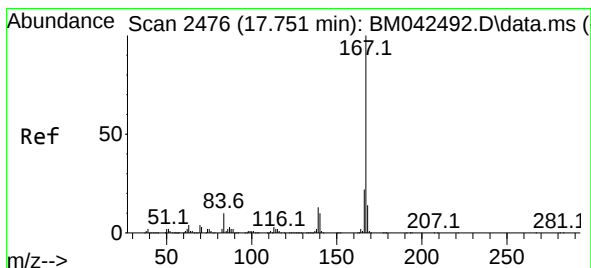
Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

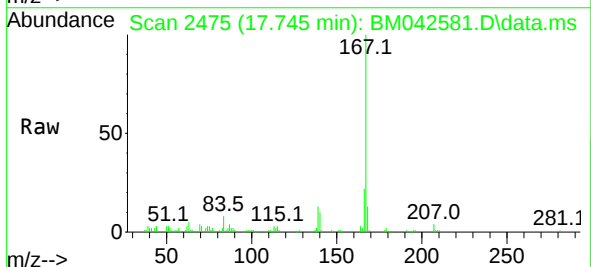


11/04/2023
 Supervised By :mohammad
 ahmed

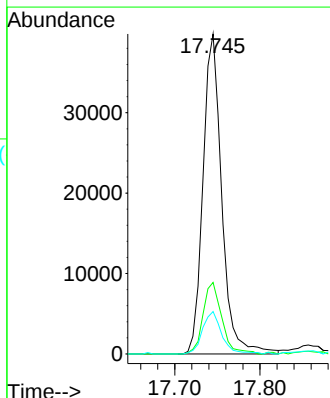
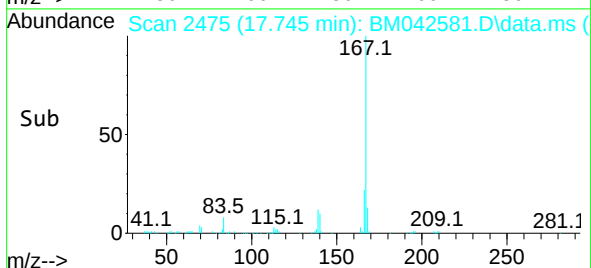
11/04/2023

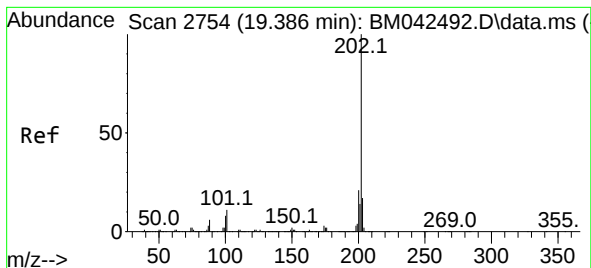


#73
 Carbazole
 Concen: 5.691 ng
 RT: 17.745 min Scan# 2475
 Delta R.T. 0.006 min
 Lab File: BM042581.D
 Acq: 03 Nov 2023 21:35



Tgt Ion:167 Resp: 60883
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.2
 139 13.2 10.5 15.7





#75

Fluoranthene

Concen: 57.556 ng

RT: 19.380 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

Instrument :

BNA_M

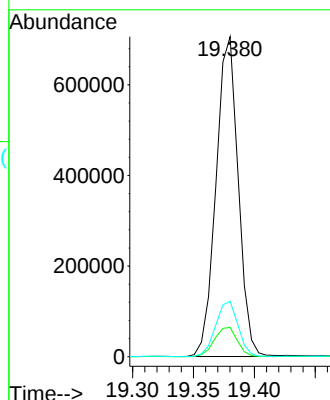
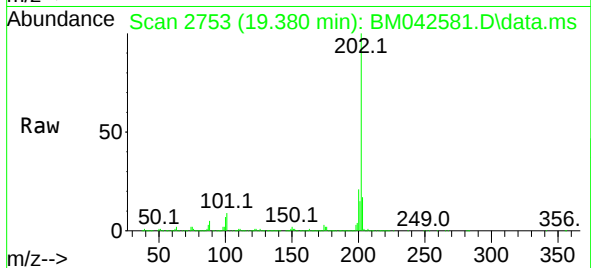
ClientSampleId :

PE-3

Tgt Ion:202 Resp: 897650
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 30.5
 203 17.3 0.0 37.0

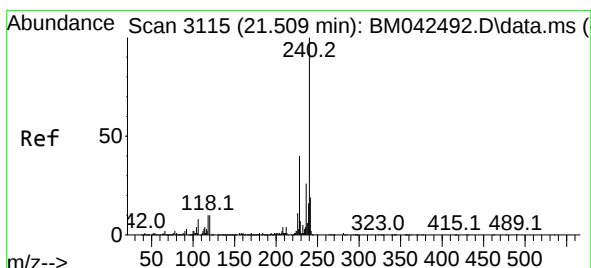
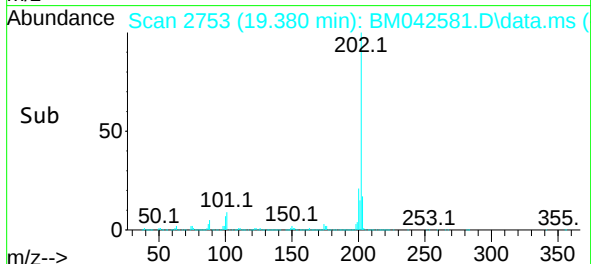
Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel



11/04/2023
 Supervised By :mohammad
 ahmed

11/04/2023



#76

Chrysene-d12

Concen: 20.000 ng

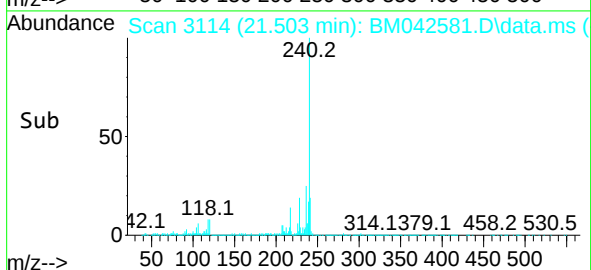
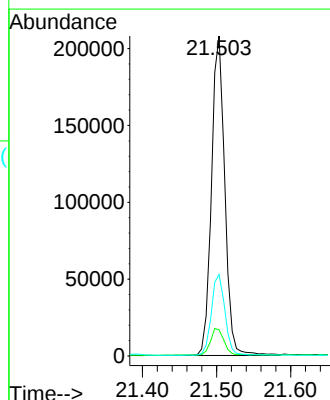
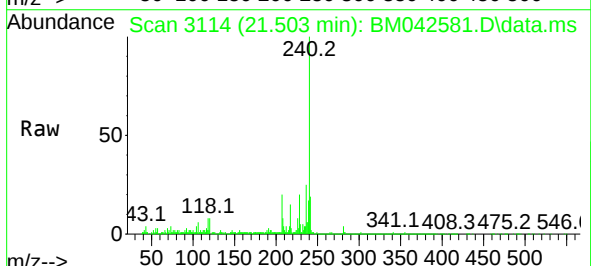
RT: 21.503 min Scan# 3114

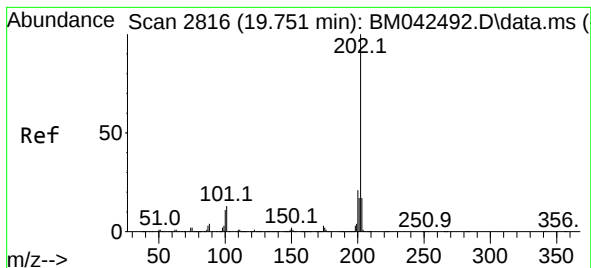
Delta R.T. -0.000 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

Tgt Ion:240 Resp: 259808
 Ion Ratio Lower Upper
 240 100
 120 8.2 8.3 12.5#
 236 25.5 20.8 31.2





#78

Pyrene

Concen: 43.824 ng

RT: 19.745 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

Instrument :

BNM

ClientSampleId :

PE-3

Tgt Ion:202 Resp: 781830

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

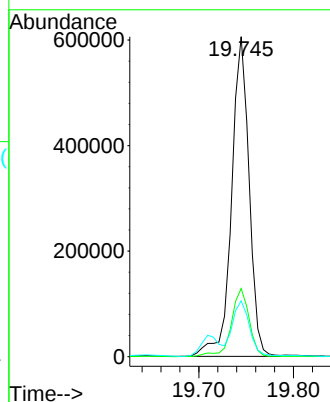
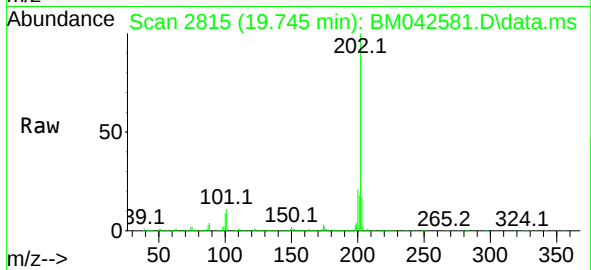
203 17.5 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh

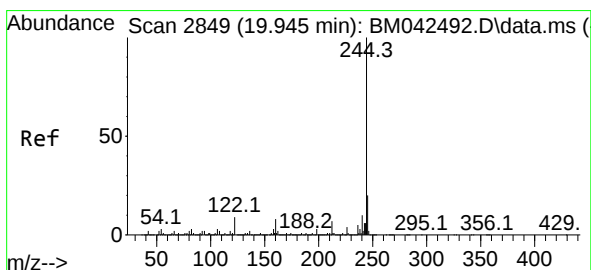
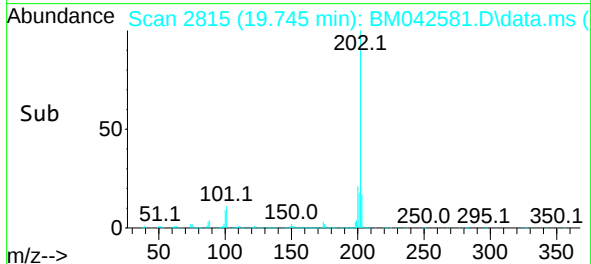
Patel



11/04/2023

Supervised By :mohammad
ahmed

11/04/2023



#79

Terphenyl-d14

Concen: 5.459 ng

RT: 19.933 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

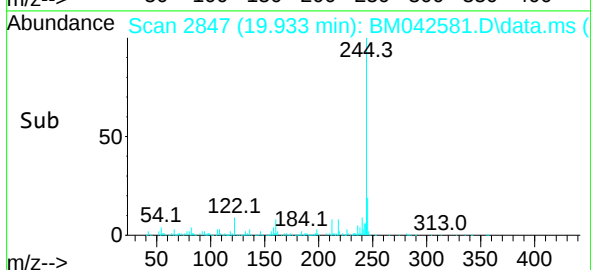
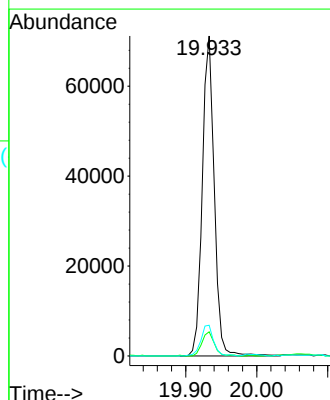
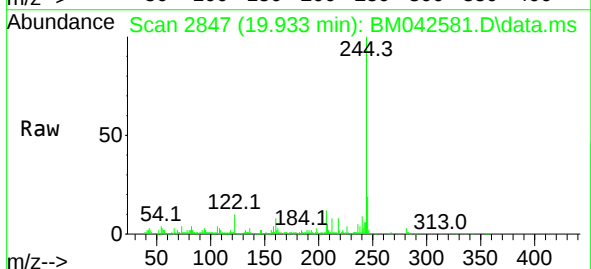
Tgt Ion:244 Resp: 83640

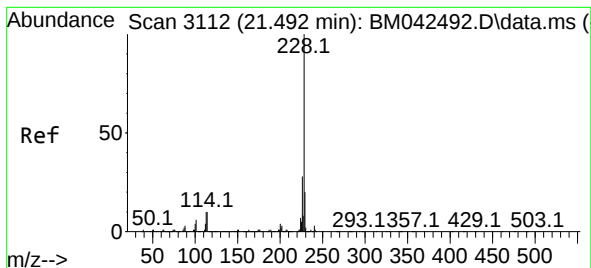
Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.2

122 9.6 7.2 10.8





#81

Benzo(a)anthracene

Concen: 22.670 ng

RT: 21.486 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

PE-3

Tgt Ion:228 Resp: 374749

Ion Ratio Lower Upper

228 100

226 27.9 22.3 33.5

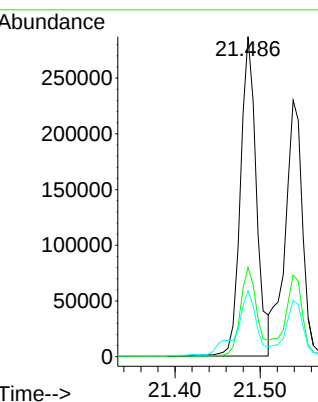
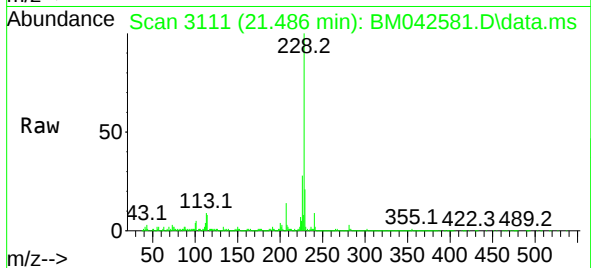
229 20.5 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh

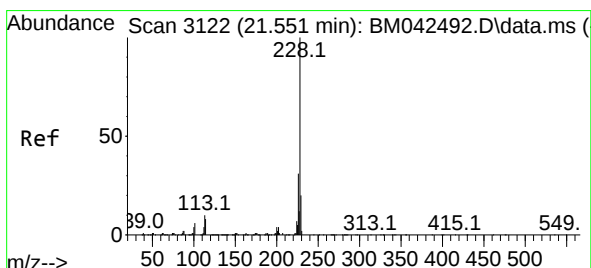
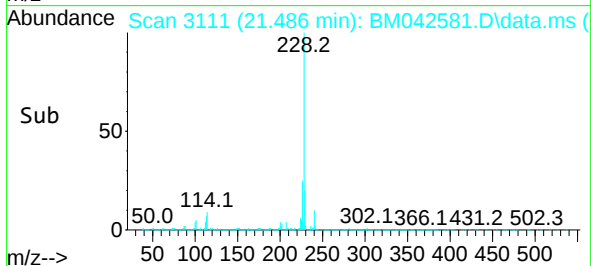
Patel



11/04/2023

Supervised By :mohammad
ahmed

11/04/2023



#83

Chrysene

Concen: 19.623 ng

RT: 21.539 min Scan# 3120

Delta R.T. -0.000 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

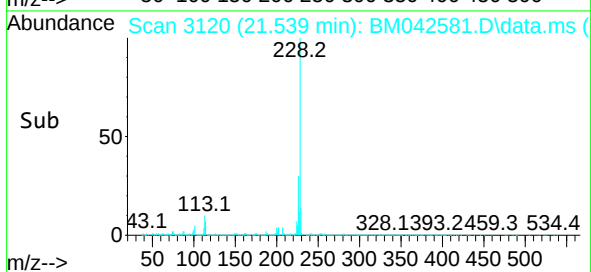
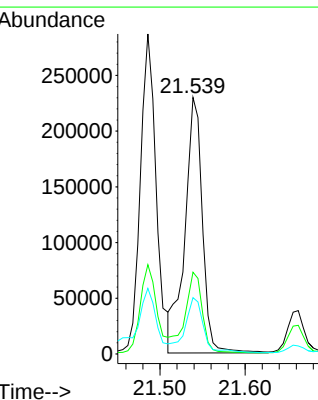
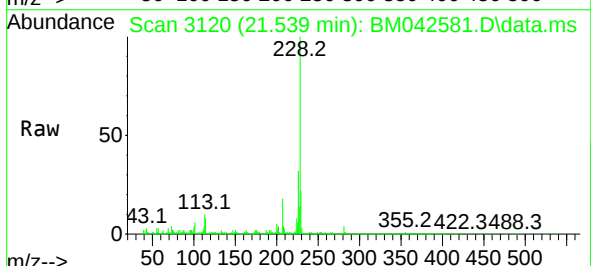
Tgt Ion:228 Resp: 329496

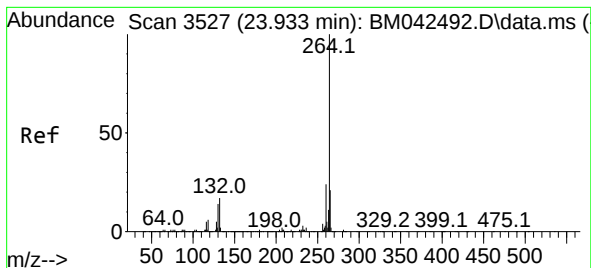
Ion Ratio Lower Upper

228 100

226 31.9 24.4 36.6

229 21.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

PE-3

Tgt Ion:264 Resp: 28766

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

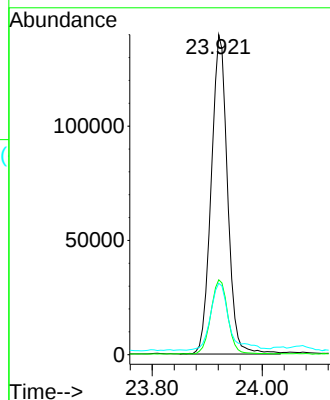
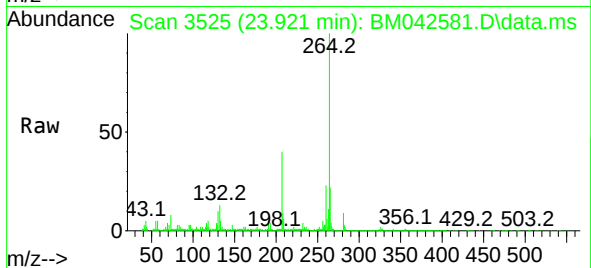
265 22.3 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh

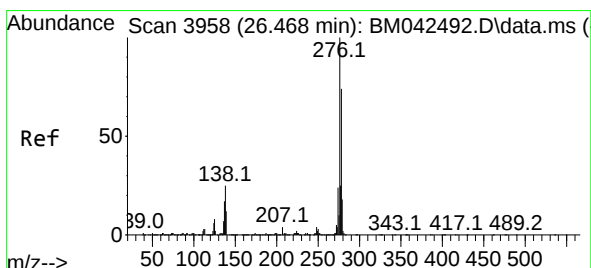
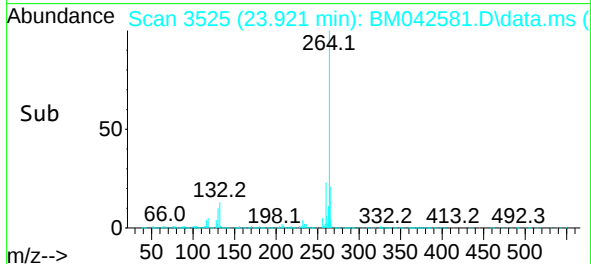
Patel



11/04/2023

Supervised By :mohammad
ahmed

11/04/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.966 ng

RT: 26.450 min Scan# 3955

Delta R.T. -0.000 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

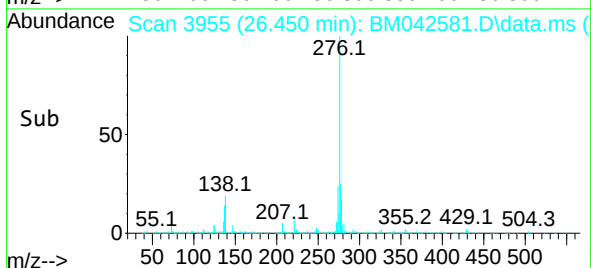
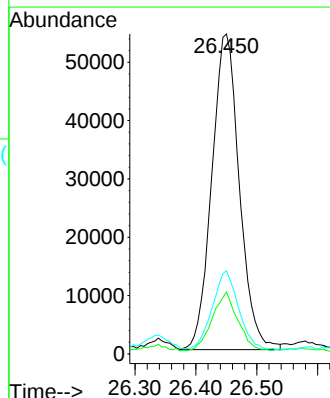
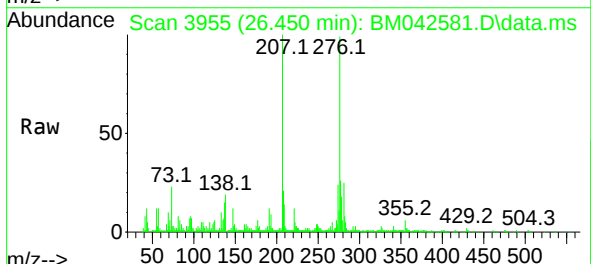
Tgt Ion:276 Resp: 170637

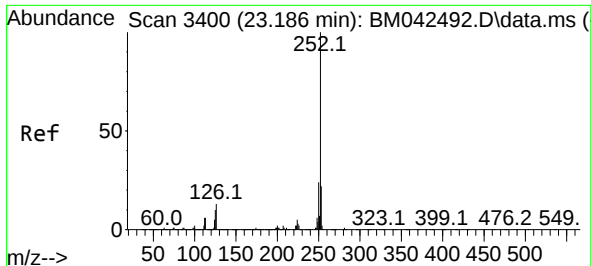
Ion Ratio Lower Upper

276 100

138 17.4 20.6 31.0#

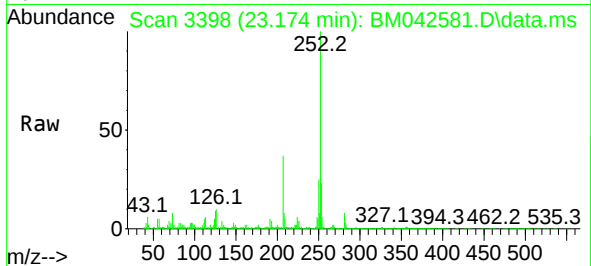
277 23.6 19.5 29.3





#88
Benzo(b)fluoranthene
Concen: 23.273 ng
RT: 23.174 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35

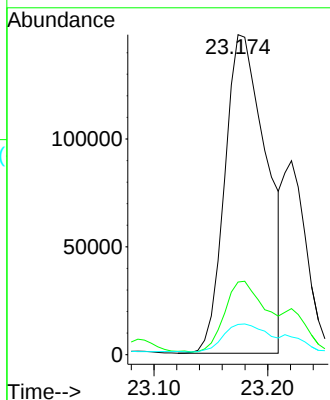
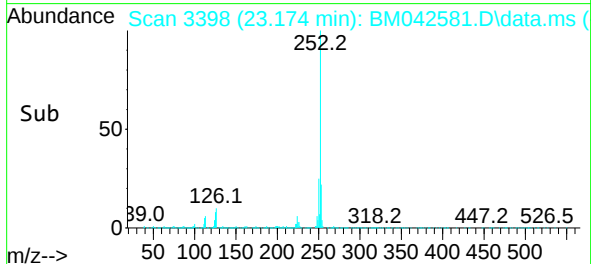
Instrument :
BNA_M
ClientSampleId :
PE-3



Tgt Ion:252 Resp: 372980
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.5 7.8 11.6

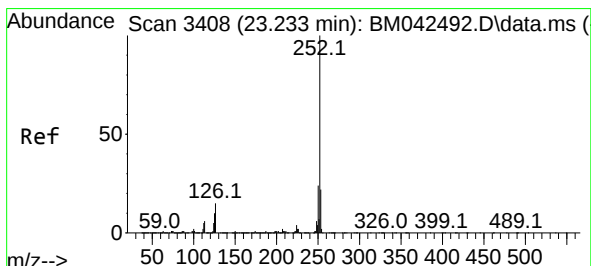
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

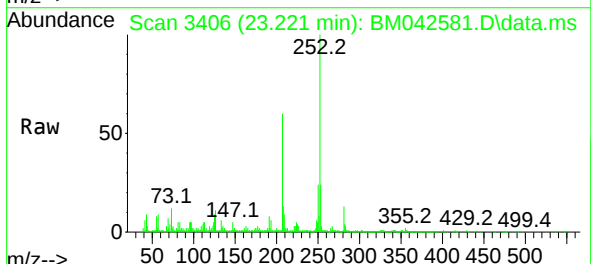


11/04/2023
Supervised By :mohammad
ahmed

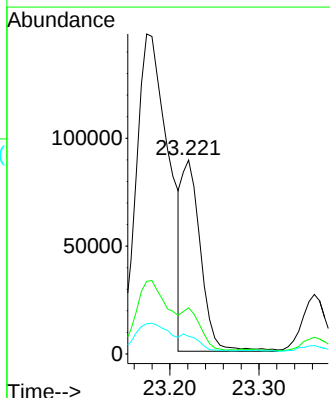
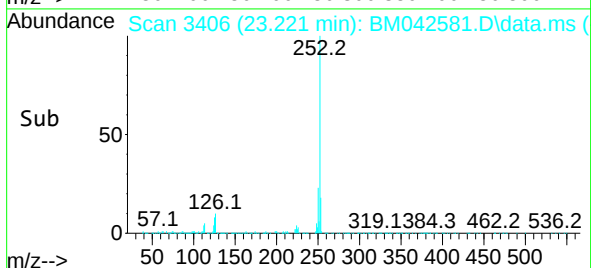
11/04/2023

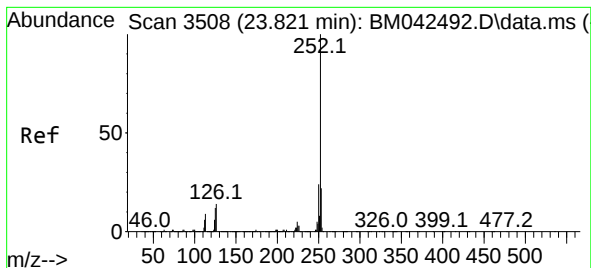


#89
Benzo(k)fluoranthene
Concen: 7.312 ng m
RT: 23.221 min Scan# 3406
Delta R.T. -0.000 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35



Tgt Ion:252 Resp: 130581
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 9.2 8.2 12.4





#90

Benzo(a)pyrene

Concen: 17.100 ng

RT: 23.815 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

Instrument :

BNA_M

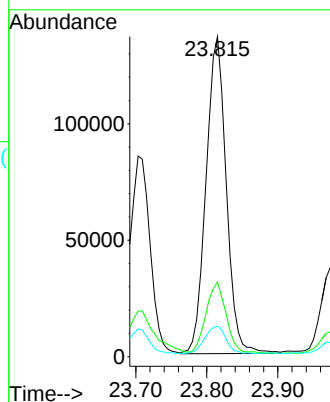
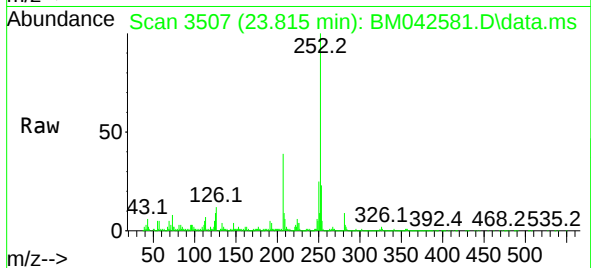
ClientSampleId :

PE-3

Tgt Ion:	252	Resp:	269804
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	9.5	9.4	14.2

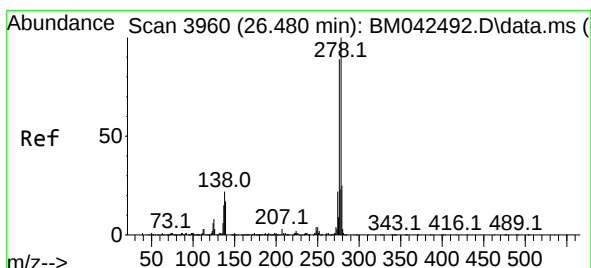
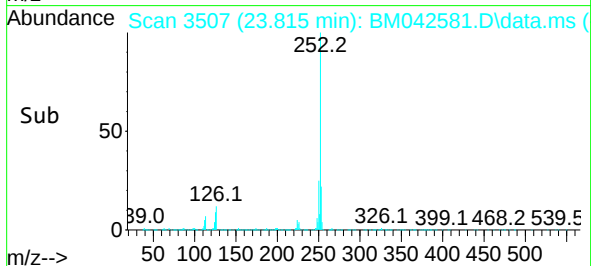
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



11/04/2023
Supervised By :mohammad
ahmed

11/04/2023



#91

Dibenzo(a,h)anthracene

Concen: 6.494 ng

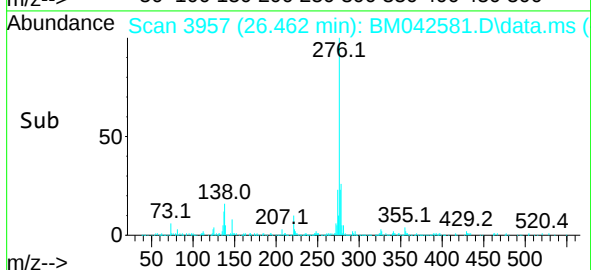
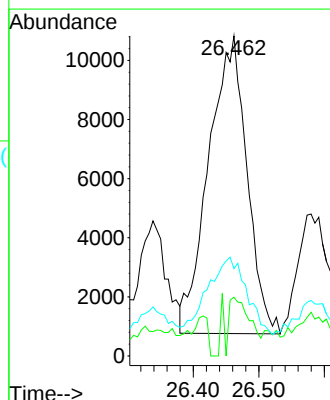
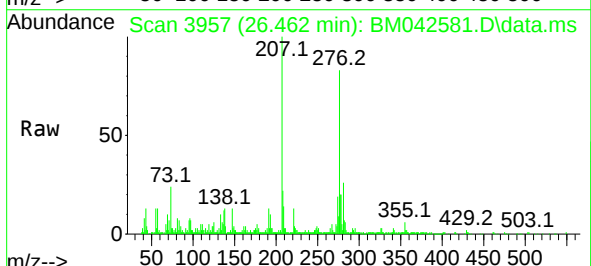
RT: 26.462 min Scan# 3957

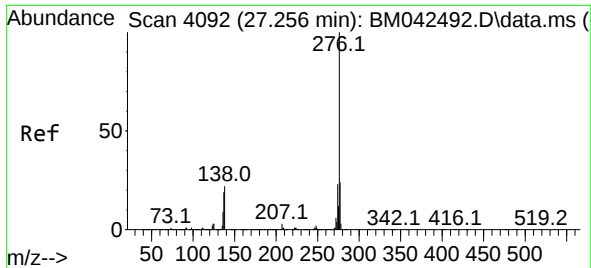
Delta R.T. -0.006 min

Lab File: BM042581.D

Acq: 03 Nov 2023 21:35

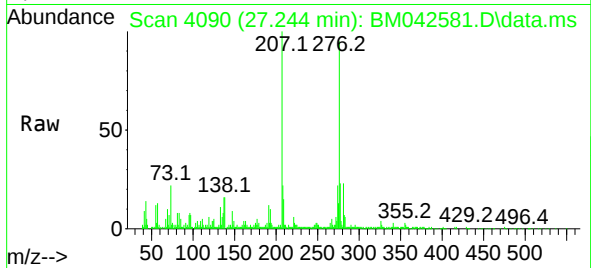
Tgt Ion:	278	Resp:	40744
Ion Ratio	Lower	Upper	
278	100		
139	18.3	13.4	20.2
279	27.3	19.7	29.5





#92
Benzo(g,h,i)perylene
Concen: 11.243 ng
RT: 27.244 min Scan# 4090
Delta R.T. -0.000 min
Lab File: BM042581.D
Acq: 03 Nov 2023 21:35

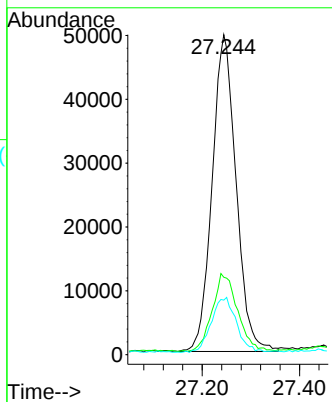
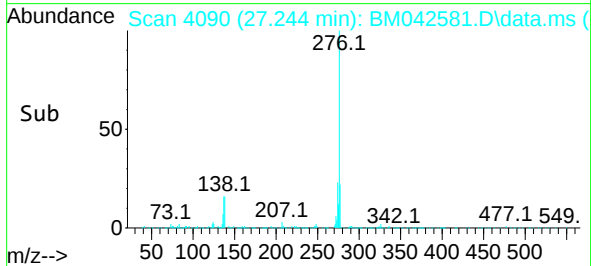
Instrument :
BNA_M
ClientSampleId :
PE-3



Tgt Ion:276 Resp: 169658
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 17.0 17.3 25.9

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



11/04/2023
Supervised By :mohammad
ahmed

11/04/2023