

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136313.D
 Acq On : 30 Nov 2023 14:52
 Operator : CG\JU
 Sample : 05253-04DL2 25X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-3(195FT)(0-5)DL2

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Nov 30 15:09:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

12/01/2023
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	122637	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	496390	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	232754	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	362608	20.000	ng	0.00
76) Chrysene-d12	13.980	240	239474	20.000	ng	-0.01
86) Perylene-d12	15.462	264	267163	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	25897	2.939	ng	-0.01
7) Phenol-d6	6.428	99	35329	3.207	ng	-0.02
23) Nitrobenzene-d5	7.357	82	21540	2.293	ng	-0.02
42) 2,4,6-Tribromophenol	10.627	330	6955	2.444	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	49021	2.690	ng	-0.01
79) Terphenyl-d14	12.921	244	38413	1.850	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.104	128	700636	25.112	ng	98
37) 2-Methylnaphthalene	8.792	142	230523	13.171	ng	95
38) 1-Methylnaphthalene	8.892	142	151064	8.848	ng	91
46) 1,1'-Biphenyl	9.257	154	44550	2.170	ng	89
52) Acenaphthene	9.869	154	84530	5.880	ng	93
58) Fluorene	10.386	166	62088	3.700	ng	98
71) Phenanthrene	11.351	178	306334	15.031	ng	97
72) Anthracene	11.404	178	71183	3.483	ng	98
75) Fluoranthene	12.545	202	103761	5.015	ng	92
78) Pyrene	12.774	202	180543	6.884	ng	95
81) Benzo(a)anthracene	13.968	228	61397	3.452	ng	# 84
83) Chrysene	14.004	228	58000	3.377	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.956	276	20467	3.647	ng	96
88) Benzo(b)fluoranthene	15.027	252	47898m	2.555	ng	
90) Benzo(a)pyrene	15.398	252	52823	3.447	ng	97
91) Dibenzo(a,h)anthracene	16.968	278	6989	3.125	ng	# 81
92) Benzo(g,h,i)perylene	17.409	276	19166	3.045	ng	98

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

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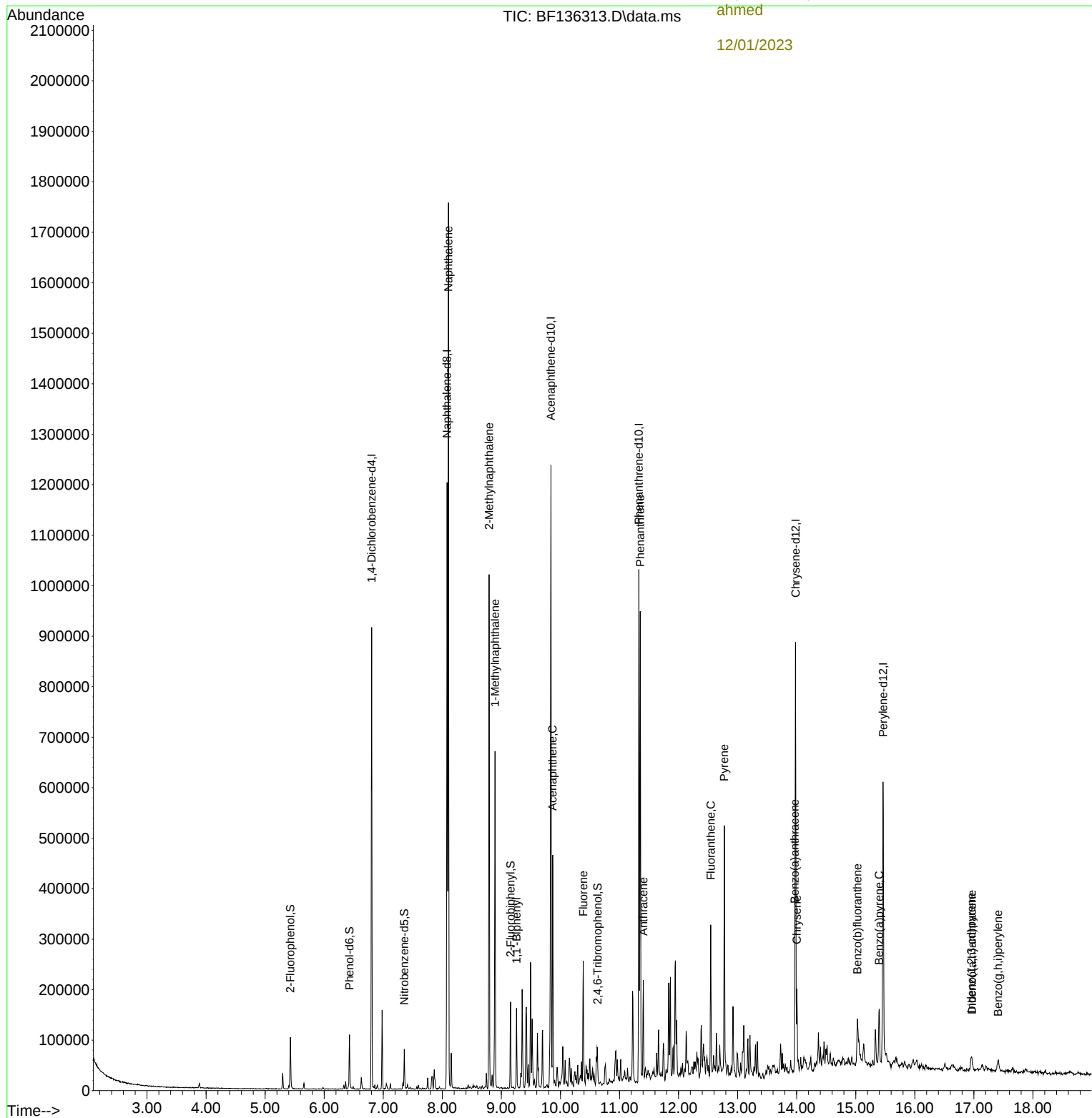
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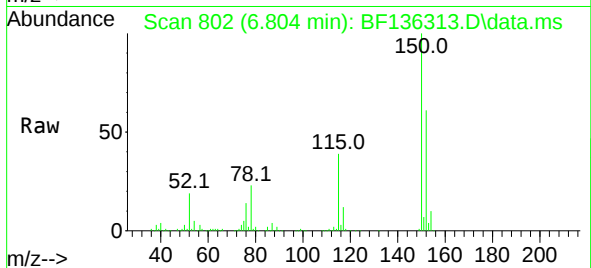
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :
L-3(195FT)(0-5)DL2



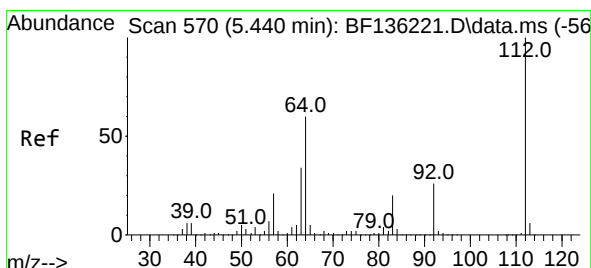
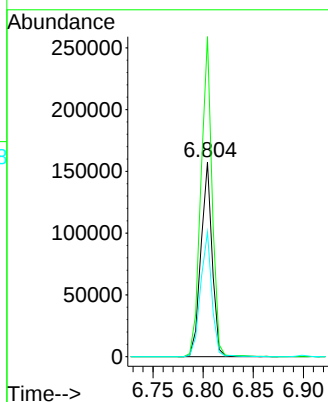
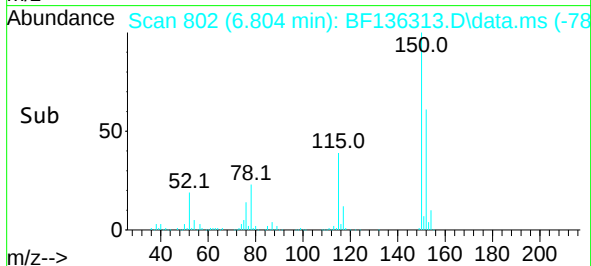
Tgt Ion:152 Resp: 12263
Ion Ratio Lower Upper
152 100
150 164.4 137.8 206.8
115 64.0 52.7 79.1

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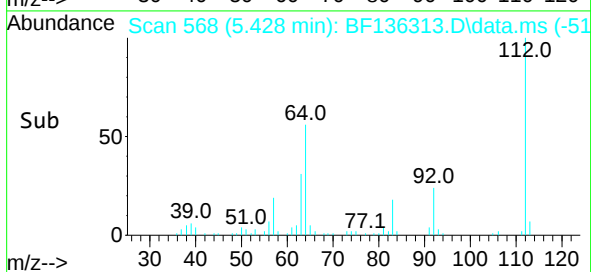
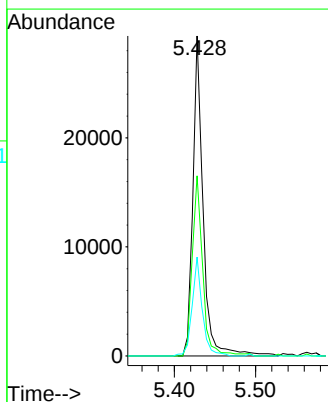
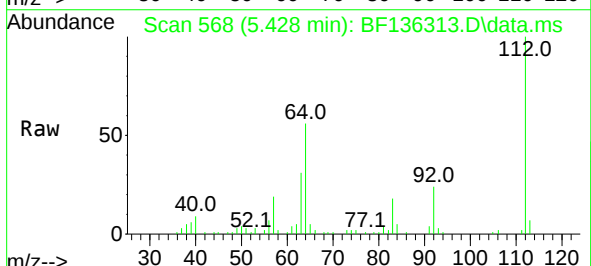
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#5
2-Fluorophenol
Concen: 2.939 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

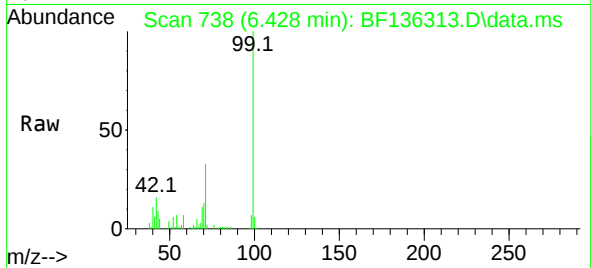
Tgt Ion:112 Resp: 25897
Ion Ratio Lower Upper
112 100
64 56.3 48.2 72.4
63 30.9 27.0 40.6





#7
Phenol-d6
Concen: 3.207 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :
L-3(195FT)(0-5)DL2



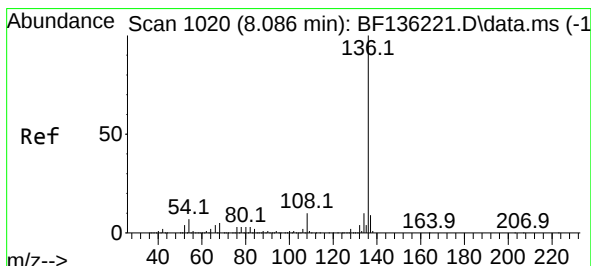
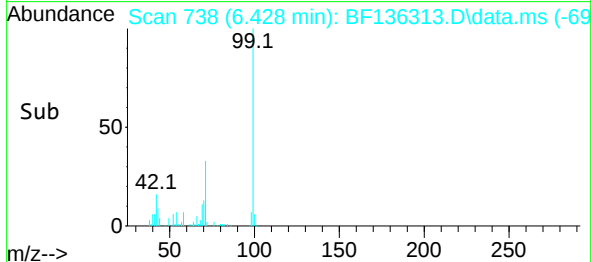
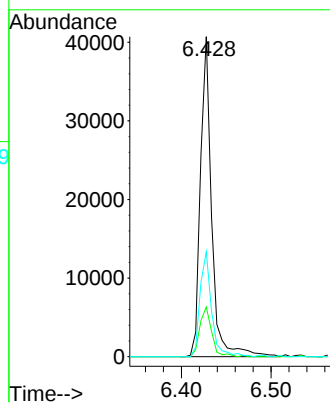
Tgt Ion: 99 Resp: 35329
Ion Ratio Lower Upper
99 100
42 15.5 15.0 22.6
71 32.8 28.9 43.3

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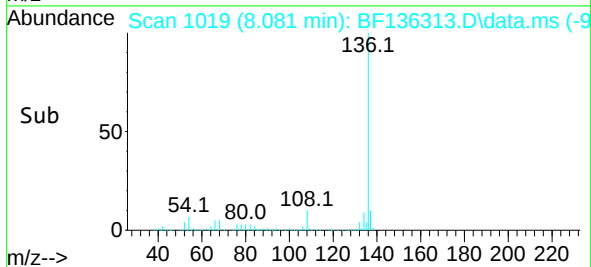
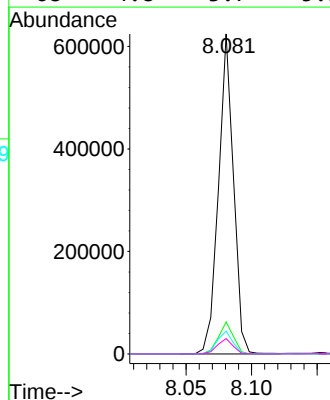
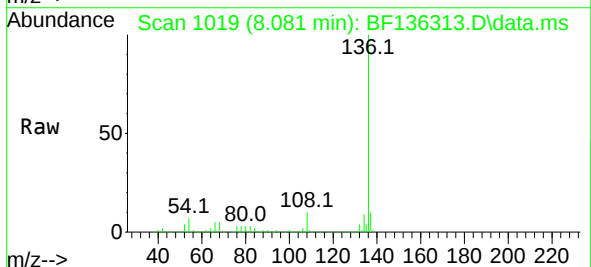
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:136 Resp: 496390
Ion Ratio Lower Upper
136 100
137 10.0 7.4 11.2
54 7.1 5.5 8.3
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 2.293 ng

RT: 7.357 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Instrument :

BNA_F

ClientSampleId :

L-3(195FT)(0-5)DL2

Tgt Ion:	82	Resp:	21540
Ion Ratio	Lower	Upper	
82	100		
128	40.8	33.4	50.2
54	51.0	41.7	62.5

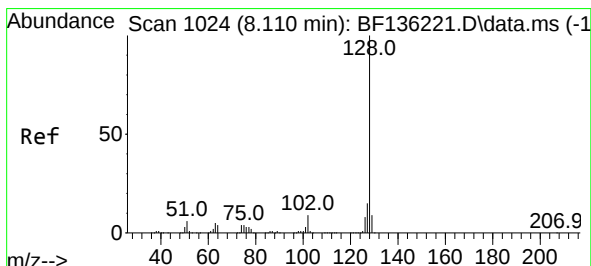
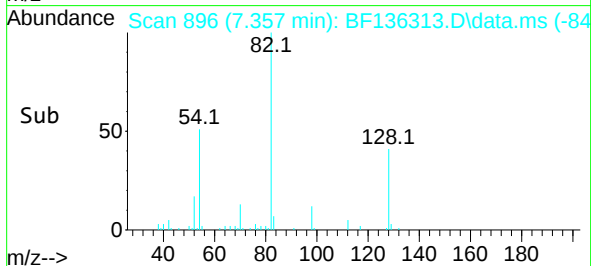
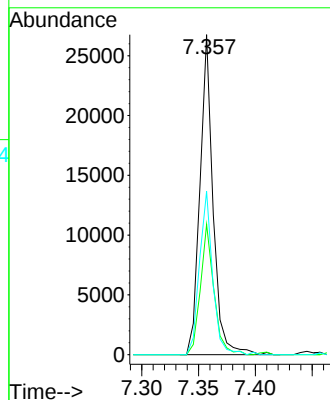
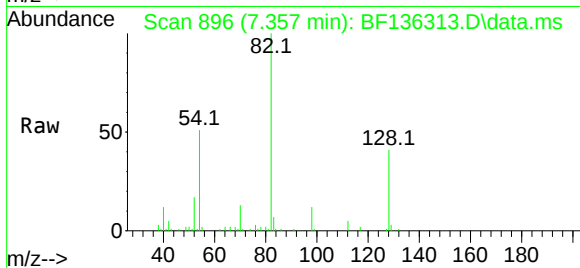
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#31

Naphthalene

Concen: 25.112 ng

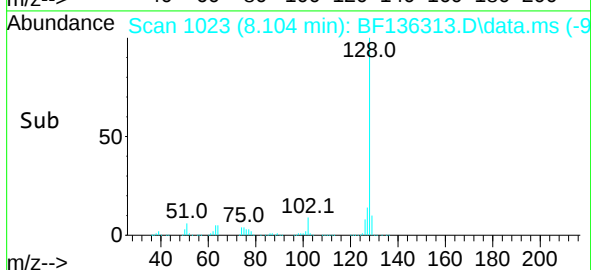
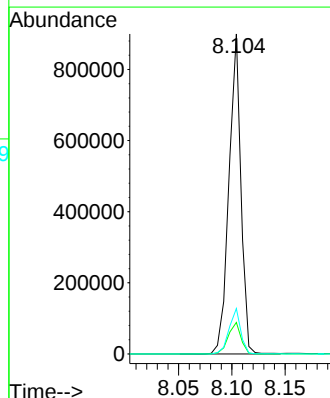
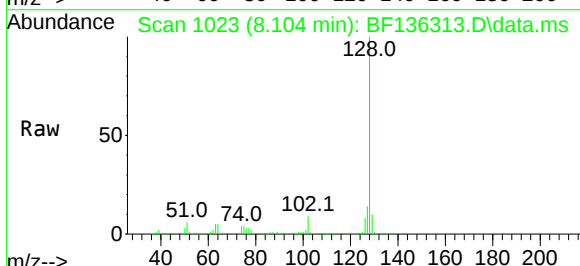
RT: 8.104 min Scan# 1023

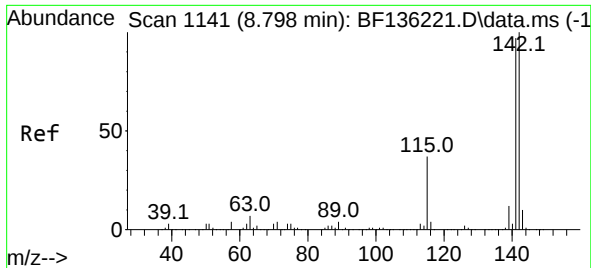
Delta R.T. -0.006 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Tgt Ion:	128	Resp:	700636
Ion Ratio	Lower	Upper	
128	100		
129	9.9	7.3	10.9
127	14.2	11.8	17.6





#37

2-Methylnaphthalene

Concen: 13.171 ng

RT: 8.792 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Instrument :

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L-3(195FT)(0-5)DL2

Tgt Ion:142 Resp: 23052

Ion Ratio Lower Upper

142 100

141 92.4 77.8 116.8

Manual Integrations

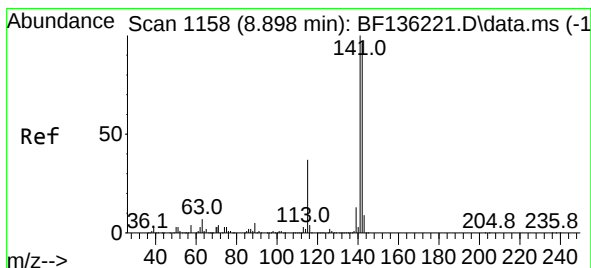
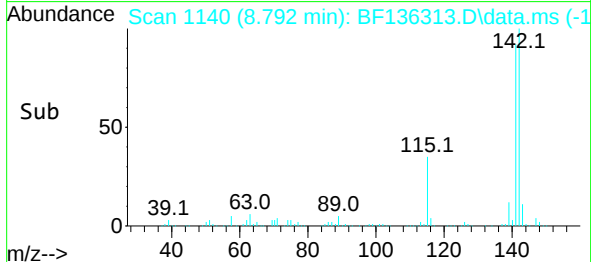
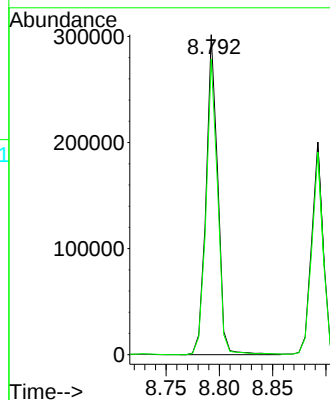
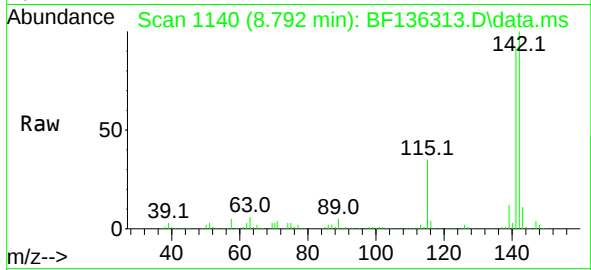
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#38

1-Methylnaphthalene

Concen: 8.848 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BF136313.D

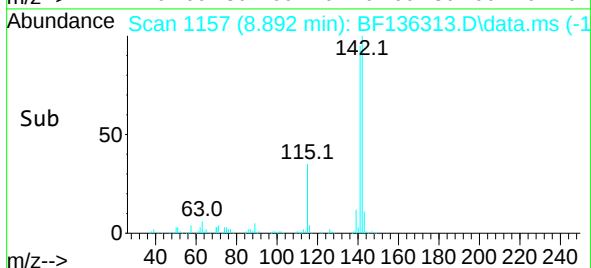
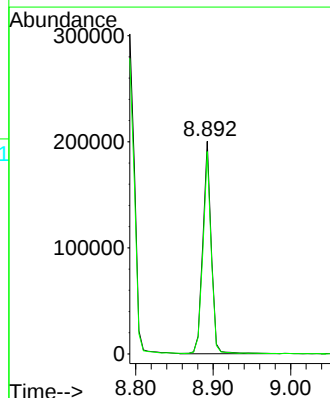
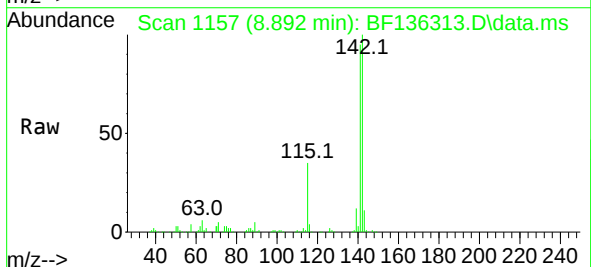
Acq: 30 Nov 2023 14:52

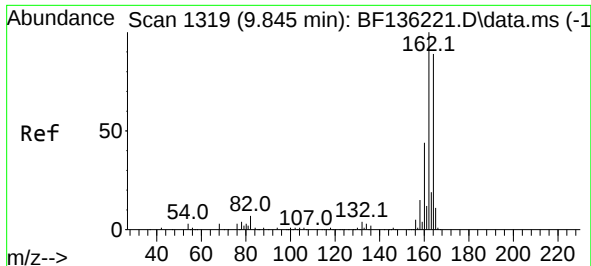
Tgt Ion:142 Resp: 151064

Ion Ratio Lower Upper

142 100

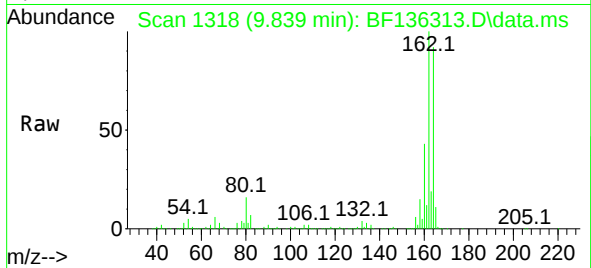
141 95.1 83.8 125.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
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ClientSampleId :
L-3(195FT)(0-5)DL2



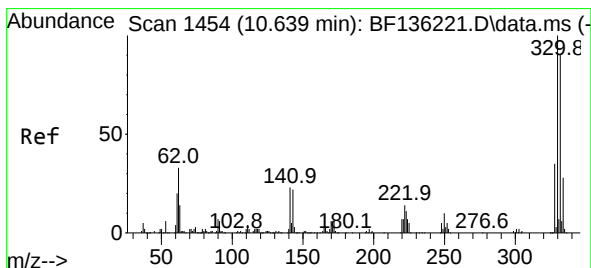
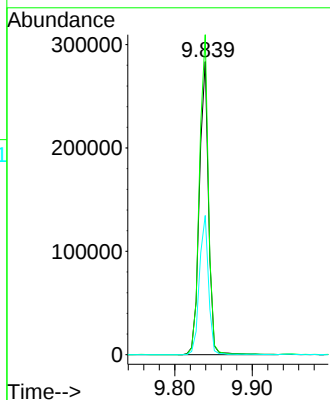
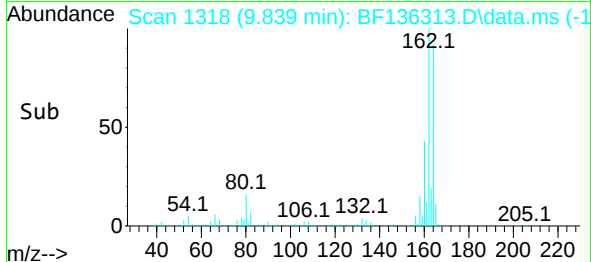
Tgt Ion:164 Resp: 232754
Ion Ratio Lower Upper
164 100
162 109.2 89.5 134.3
160 47.5 39.6 59.4

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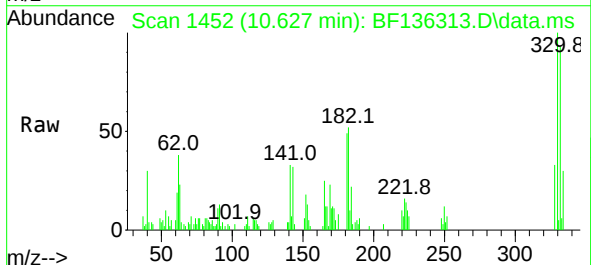
Reviewed By :Yogesh
Patel

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Supervised By :mohammad
ahmed

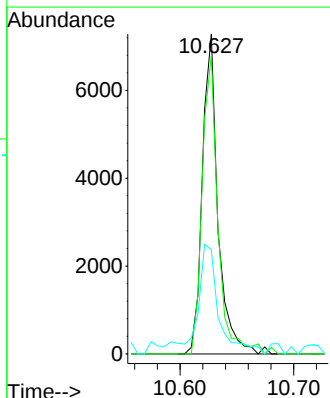
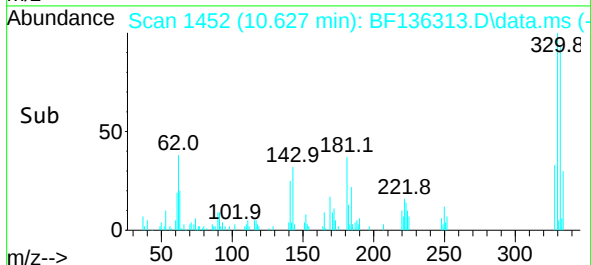
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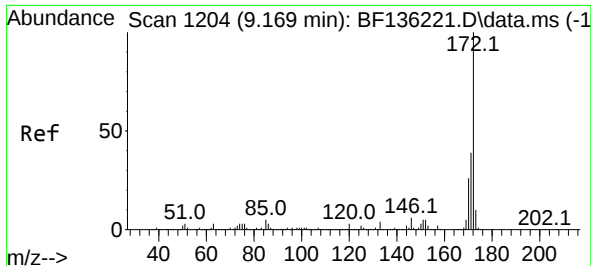


#42
2,4,6-Tribromophenol
Concen: 2.444 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52



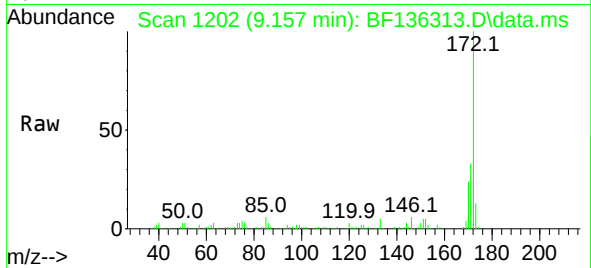
Tgt Ion:330 Resp: 6955
Ion Ratio Lower Upper
330 100
332 94.5 73.0 109.6
141 50.0 24.2 36.2#





#45
2-Fluorobiphenyl
Concen: 2.690 ng
RT: 9.157 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF136313.D
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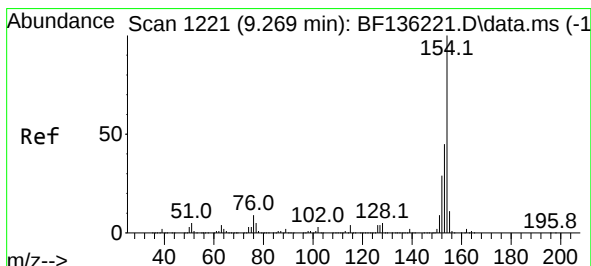
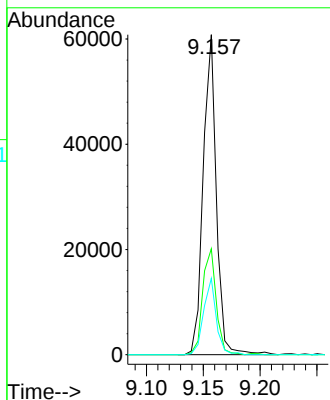
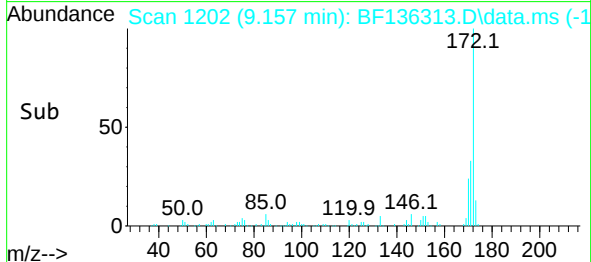
Tgt Ion:172 Resp: 4902
Ion Ratio Lower Upper
172 100
171 33.1 31.5 47.3
170 23.8 20.8 31.2

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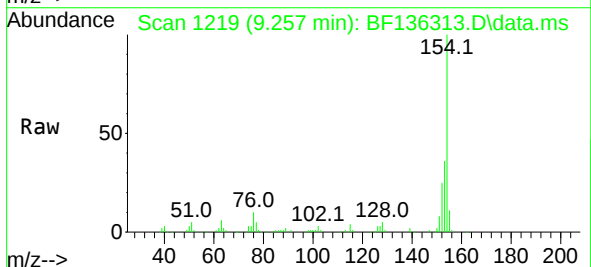
Reviewed By :Yogesh
Patel

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Supervised By :mohammad
ahmed

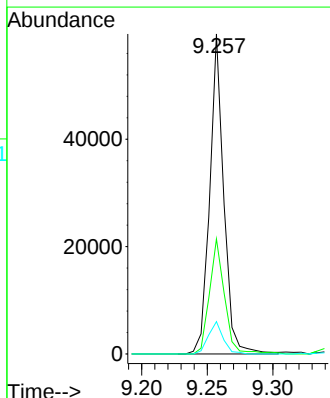
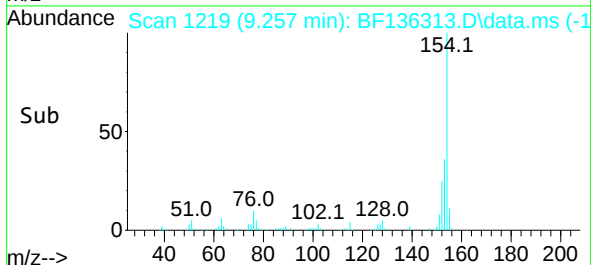
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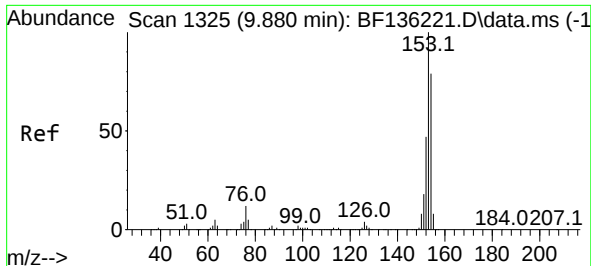


#46
1,1'-Biphenyl
Concen: 2.170 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF136313.D
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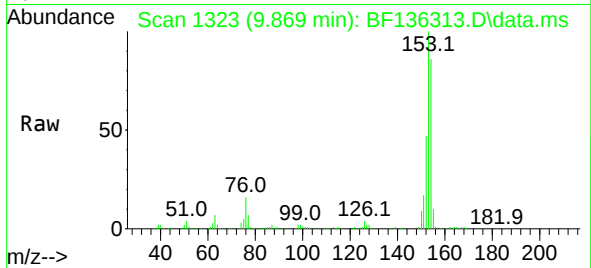
Tgt Ion:154 Resp: 44550
Ion Ratio Lower Upper
154 100
153 35.9 24.6 64.6
76 10.1 0.0 29.4





#52
Acenaphthene
Concen: 5.880 ng
RT: 9.869 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

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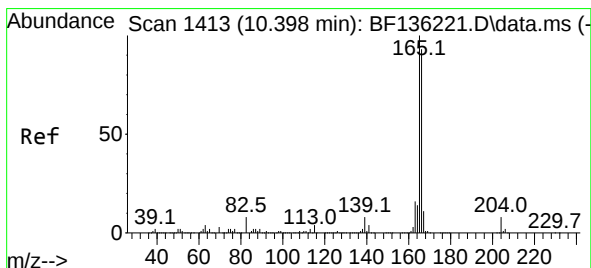
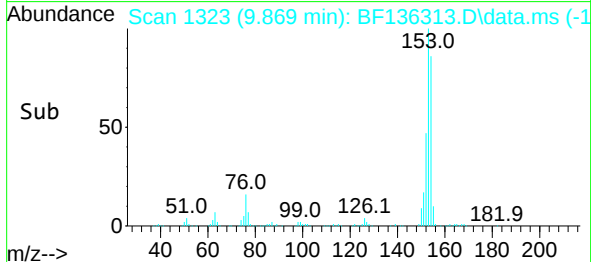
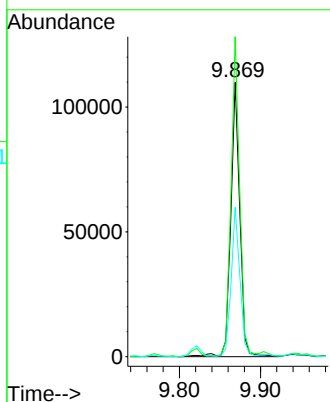
Tgt Ion:154 Resp: 84530
Ion Ratio Lower Upper
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153 116.6 100.8 151.2
152 54.5 47.0 70.6

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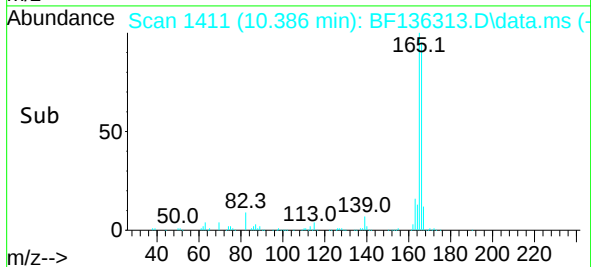
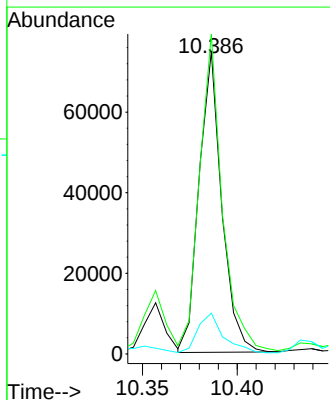
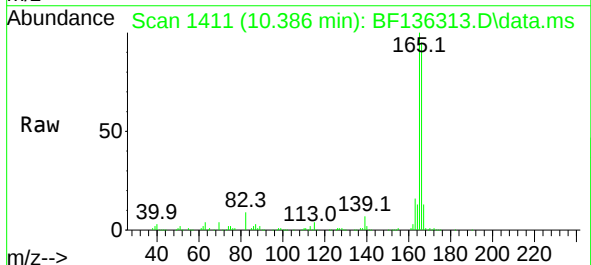
12/01/2023
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ahmed

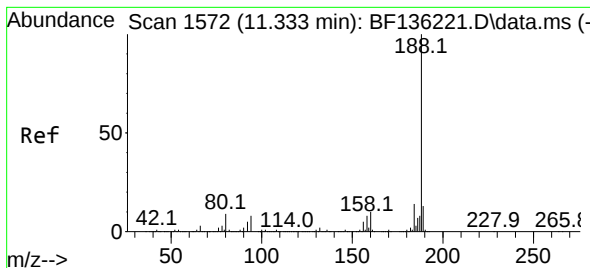
12/01/2023



#58
Fluorene
Concen: 3.700 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:166 Resp: 62088
Ion Ratio Lower Upper
166 100
165 105.8 86.2 129.4
167 13.5 9.1 13.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :
L-3(195FT)(0-5)DL2

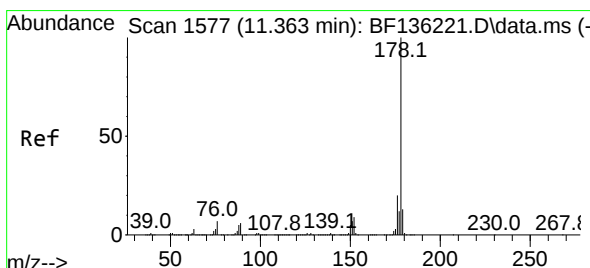
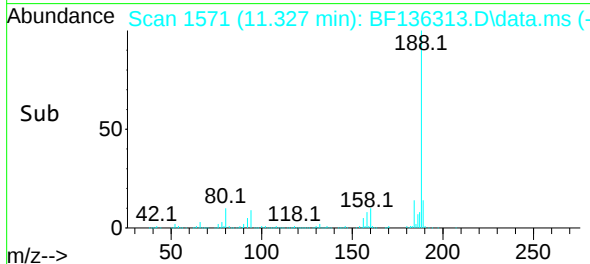
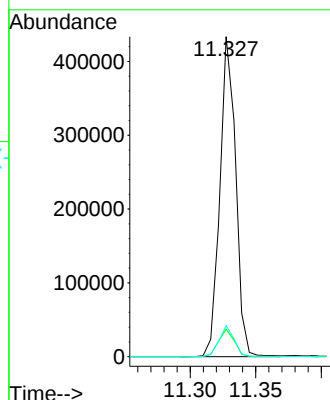
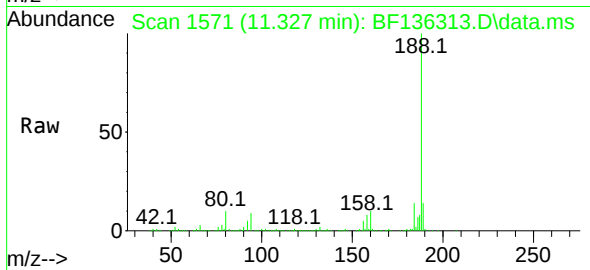
Tgt Ion:188 Resp: 362608
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.6 7.2 10.8

Manual Integrations
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Reviewed By :Yogesh
Patel

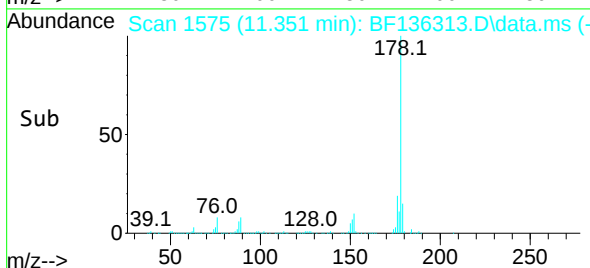
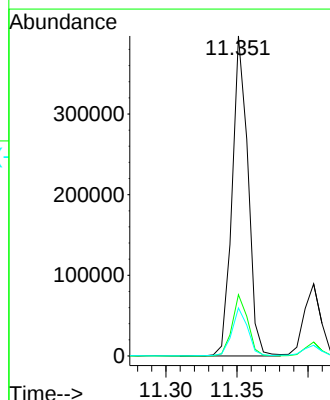
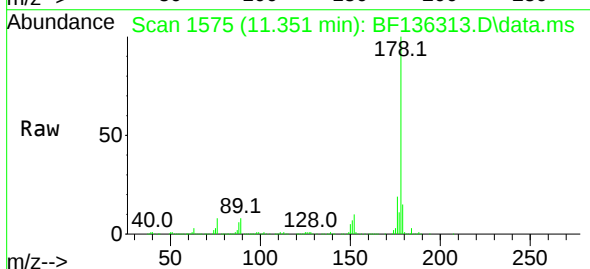
12/01/2023
Supervised By :mohammad
ahmed

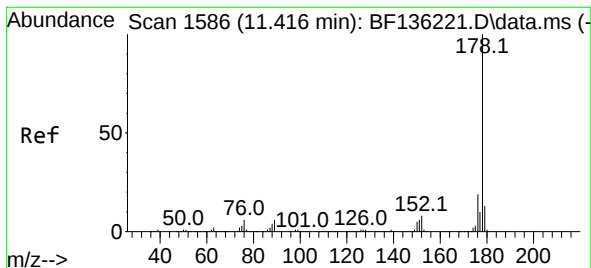
12/01/2023



#71
Phenanthrene
Concen: 15.031 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:178 Resp: 306334
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 15.0 10.3 15.5





#72

Anthracene

Concen: 3.483 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Instrument :

BNA_F

ClientSampleId :

L-3(195FT)(0-5)DL2

Tgt Ion:178 Resp: 7118

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 14.9 10.5 15.7

Manual Integrations

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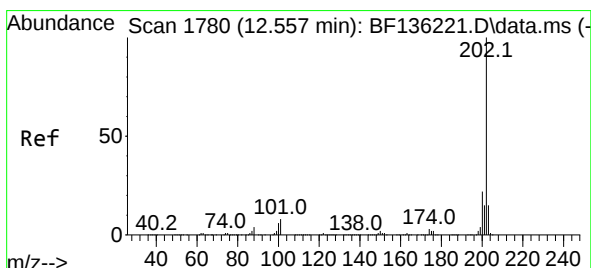
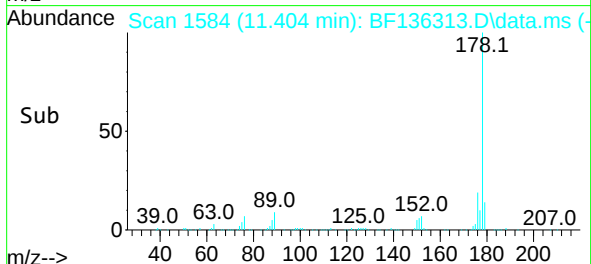
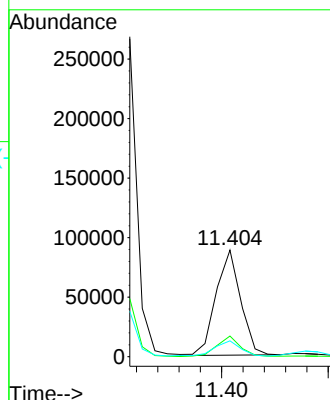
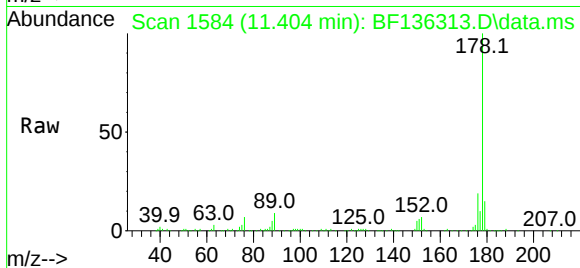
Reviewed By :Yogesh

Patel

12/01/2023

Supervised By :mohammad
ahmed

12/01/2023



#75

Fluoranthene

Concen: 5.015 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.012 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

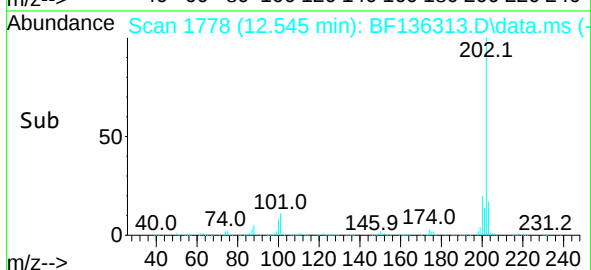
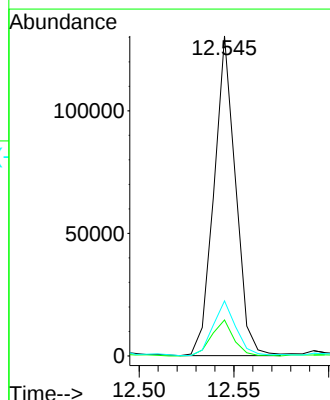
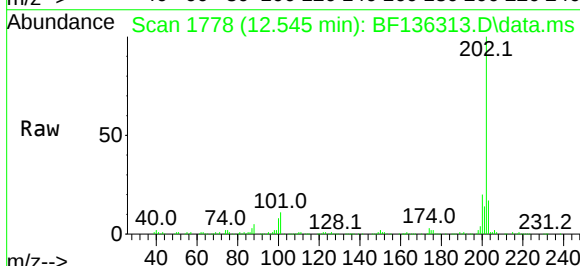
Tgt Ion:202 Resp: 103761

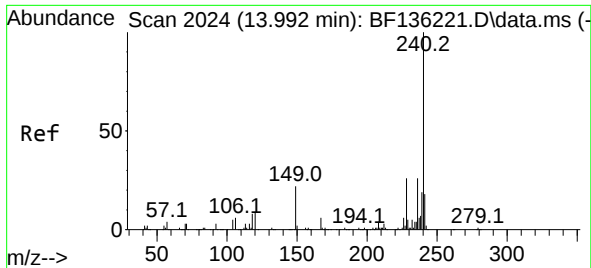
Ion Ratio Lower Upper

202 100

101 11.3 0.0 27.8

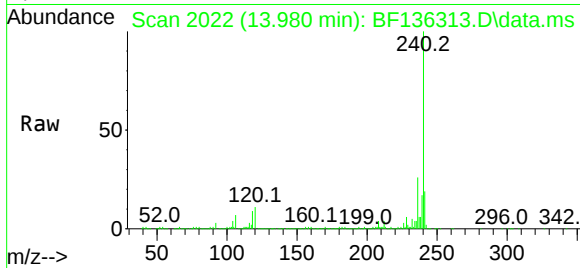
203 17.2 0.0 34.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :
L-3(195FT)(0-5)DL2



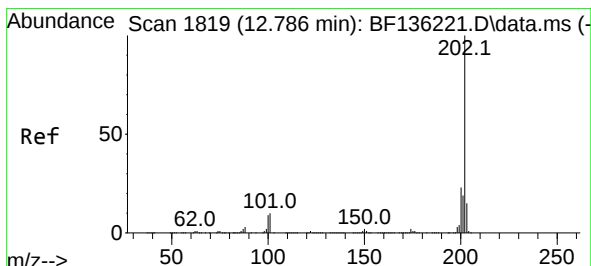
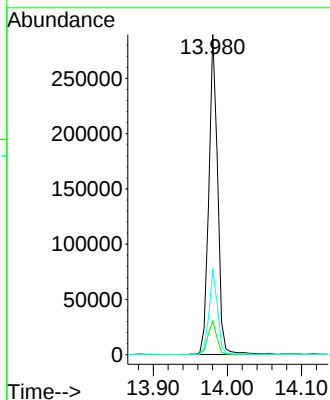
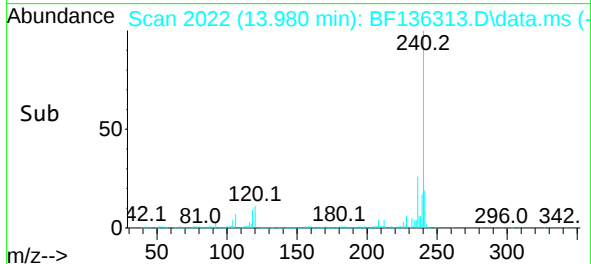
Tgt Ion:240 Resp: 239474
Ion Ratio Lower Upper
240 100
120 10.5 7.4 11.2
236 26.3 21.1 31.7

Manual Integrations
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Reviewed By :Yogesh
Patel

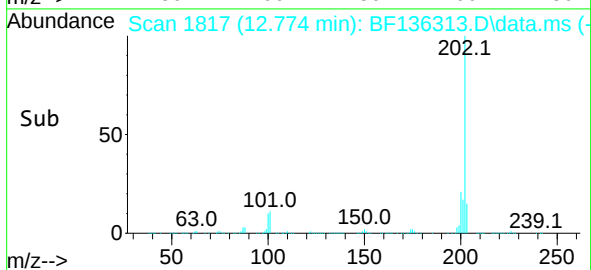
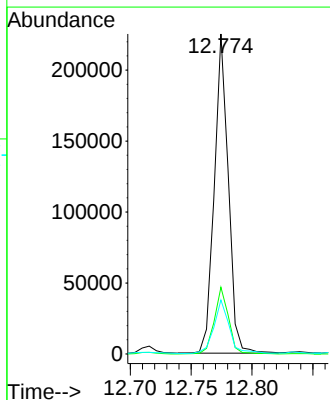
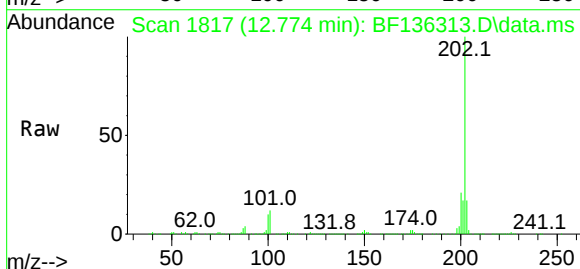
12/01/2023
Supervised By :mohammad
ahmed

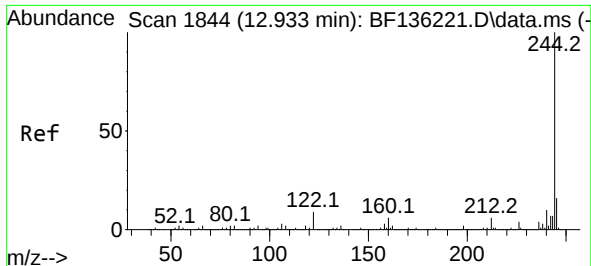
12/01/2023



#78
Pyrene
Concen: 6.884 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

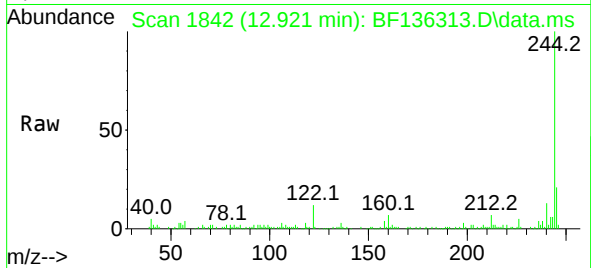
Tgt Ion:202 Resp: 180543
Ion Ratio Lower Upper
202 100
200 20.8 18.4 27.6
203 16.8 11.8 17.6





#79
 Terphenyl-d14
 Concen: 1.850 ng
 RT: 12.921 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136313.D
 Acq: 30 Nov 2023 14:52

Instrument :
 BNA_F
 ClientSampleId :
 L-3(195FT)(0-5)DL2



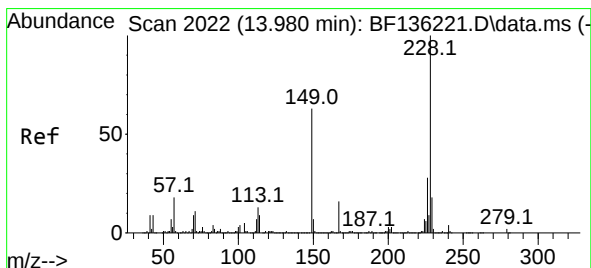
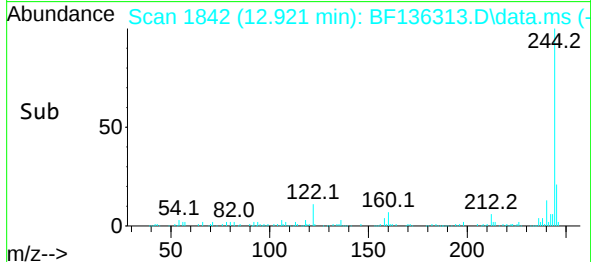
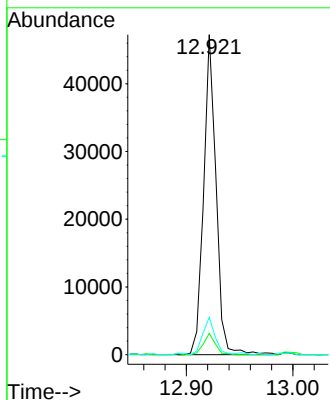
Tgt Ion:244 Resp: 3841
 Ion Ratio Lower Upper
 244 100
 212 6.6 4.6 7.0
 122 11.6 7.3 10.9

Manual Integrations
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Reviewed By :Yogesh
 Patel

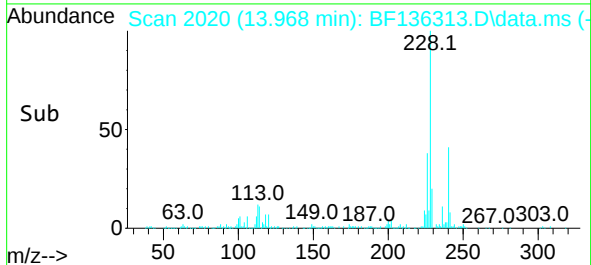
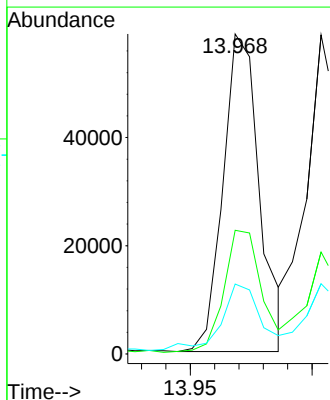
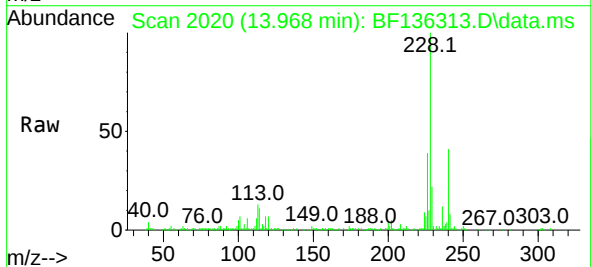
12/01/2023
 Supervised By :mohammad
 ahmed

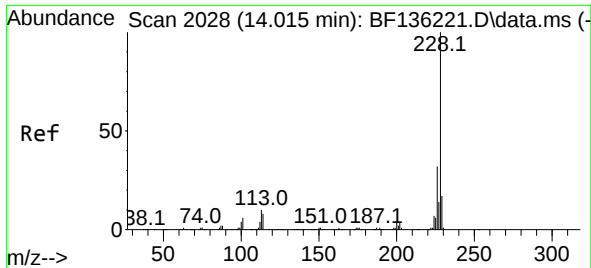
12/01/2023



#81
 Benzo(a)anthracene
 Concen: 3.452 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.012 min
 Lab File: BF136313.D
 Acq: 30 Nov 2023 14:52

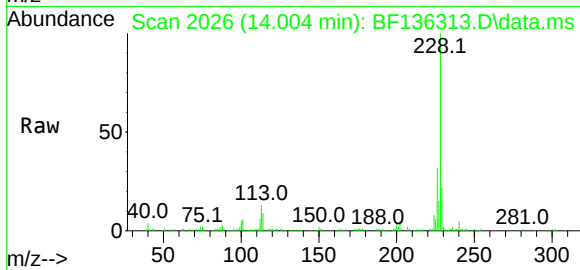
Tgt Ion:228 Resp: 61397
 Ion Ratio Lower Upper
 228 100
 226 38.7 22.6 34.0#
 229 21.9 14.0 21.0#





#83
Chrysene
Concen: 3.377 ng
RT: 14.004 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :
L-3(195FT)(0-5)DL2



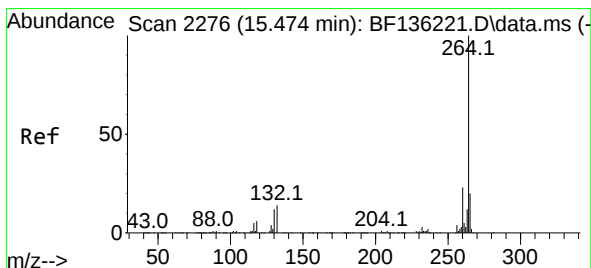
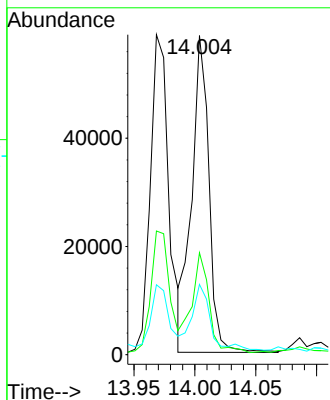
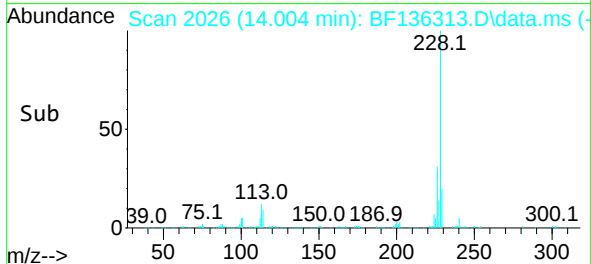
Tgt Ion:228 Resp: 58000
Ion Ratio Lower Upper
228 100
226 31.9 25.5 38.3
229 22.0 13.9 20.9

Manual Integrations
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Reviewed By :Yogesh
Patel

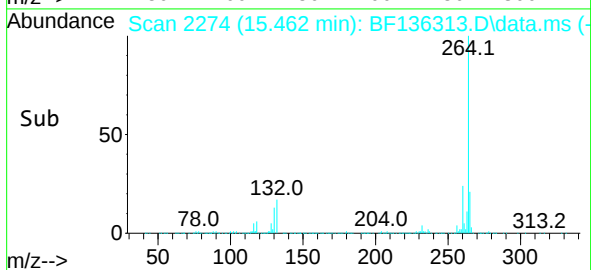
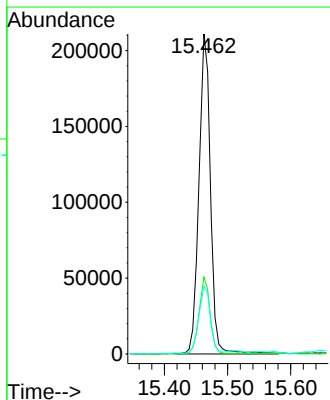
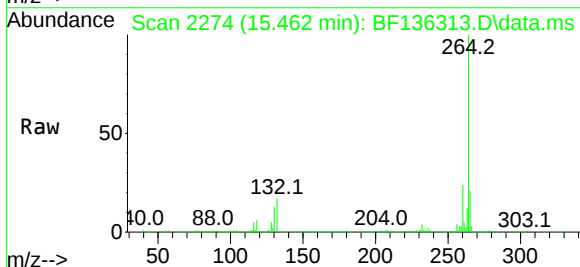
12/01/2023
Supervised By :mohammad
ahmed

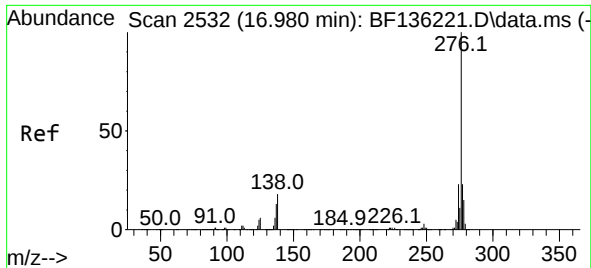
12/01/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

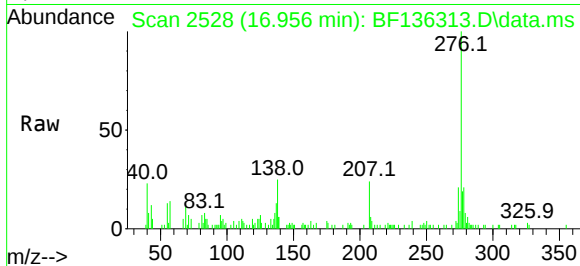
Tgt Ion:264 Resp: 267163
Ion Ratio Lower Upper
264 100
260 24.1 18.6 27.8
265 21.1 15.7 23.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.647 ng
RT: 16.956 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :
L-3(195FT)(0-5)DL2



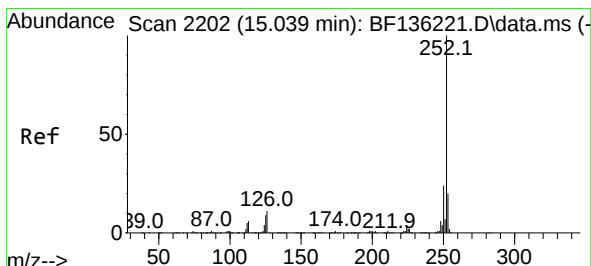
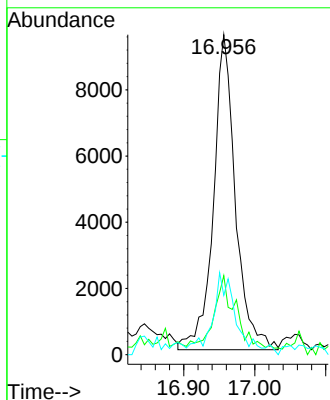
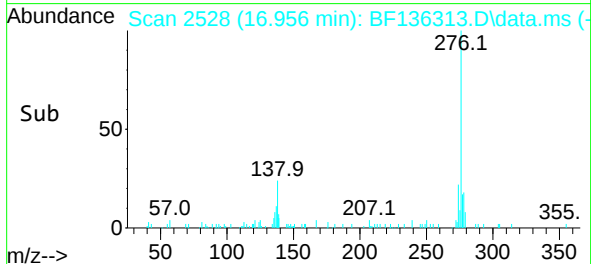
Tgt Ion: 276 Resp: 2046
Ion Ratio Lower Upper
276 100
138 24.7 17.7 26.5
277 23.3 19.6 29.4

Manual Integrations
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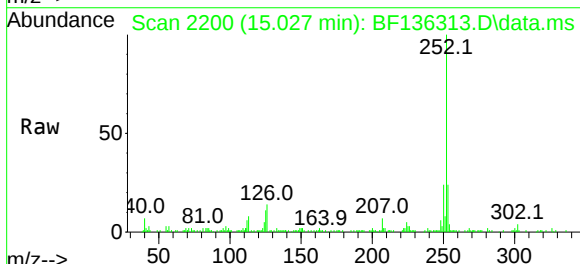
Reviewed By : Yogesh
Patel

12/01/2023
Supervised By : mohammad
ahmed

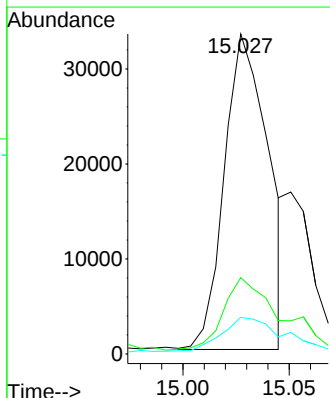
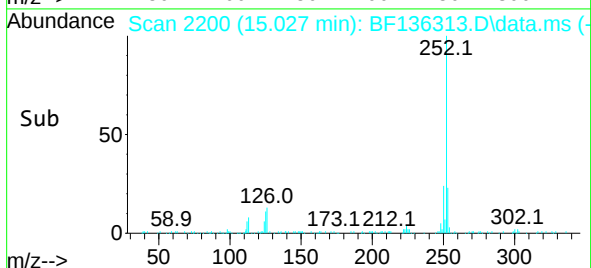
12/01/2023

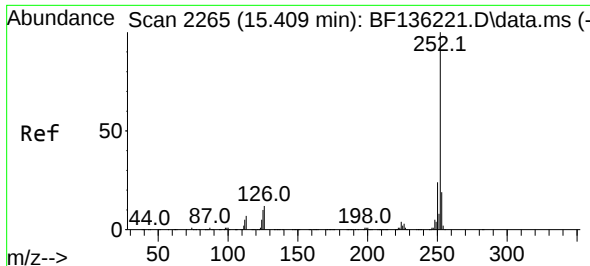


#88
Benzo(b)fluoranthene
Concen: 2.555 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52



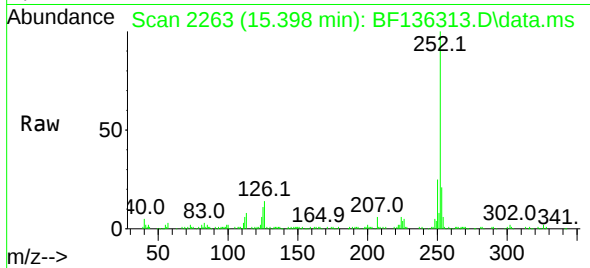
Tgt Ion: 252 Resp: 47898
Ion Ratio Lower Upper
252 100
253 23.8 16.2 24.2
125 11.4 6.9 10.3#





#90
Benzo(a)pyrene
Concen: 3.447 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :
L-3(195FT)(0-5)DL2



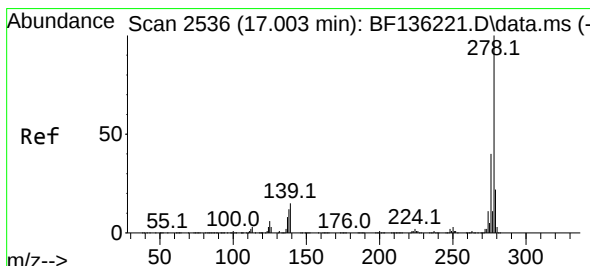
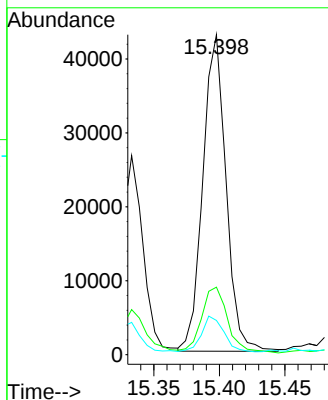
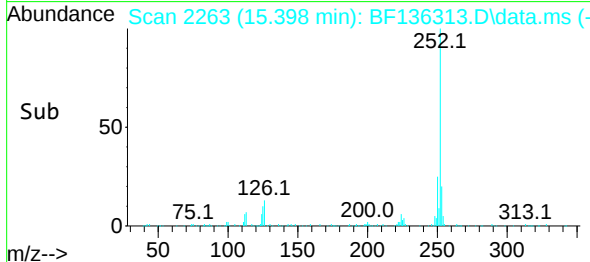
Tgt Ion:252 Resp: 5282
Ion Ratio Lower Upper
252 100
253 21.1 15.5 23.3
125 10.7 7.9 11.9

Manual Integrations
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Reviewed By :Yogesh
Patel

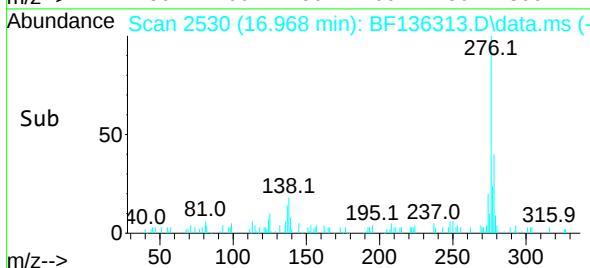
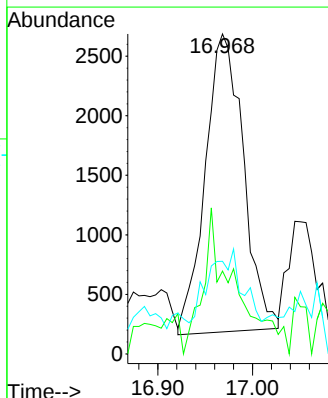
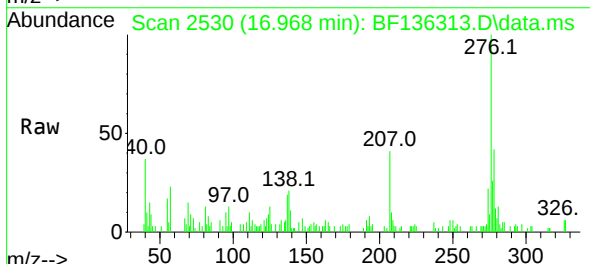
12/01/2023
Supervised By :mohammad
ahmed

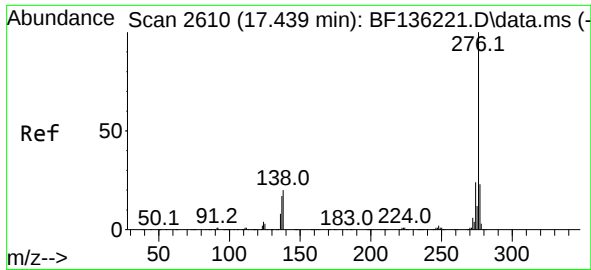
12/01/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.125 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.035 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

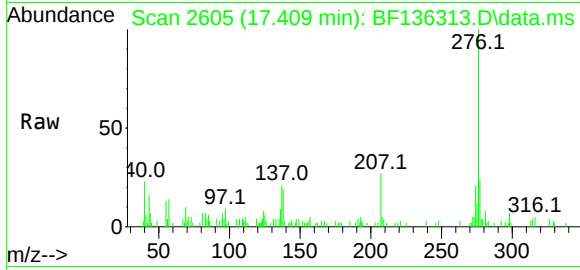
Tgt Ion:278 Resp: 6989
Ion Ratio Lower Upper
278 100
139 25.9 11.7 17.5#
279 29.0 17.8 26.8#





#92
Benzo(g,h,i)perylene
Concen: 3.045 ng
RT: 17.409 min Scan# 20
Delta R.T. -0.030 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :
L-3(195FT)(0-5)DL2



Tgt Ion:	276	Resp:	1916
Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	27.8
138	18.9	15.8	23.8

Manual Integrations
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Reviewed By :Yogesh
Patel

12/01/2023
Supervised By :mohammad
ahmed

12/01/2023

