

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136164.D
 Acq On : 06 Nov 2023 20:00
 Operator : CG\JU
 Sample : 05253-02DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-6(0-5)DL

Quant Time: Nov 06 23:31:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
 Supervised By :mohammad ahmed 11/08/2023

11/08/2023
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	82601	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	307577	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	141552	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	216291	20.000	ng	0.00
76) Chrysene-d12	14.004	240	180900	20.000	ng	0.00
86) Perylene-d12	15.498	264	178723	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	37424	7.120	ng	-0.01
7) Phenol-d6	6.439	99	47022	7.180	ng	-0.02
23) Nitrobenzene-d5	7.375	82	28490	5.584	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	9185	6.079	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	58502	6.588	ng	0.00
79) Terphenyl-d14	12.945	244	50722	4.357	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.122	128	642173	43.297	ng	99
37) 2-Methylnaphthalene	8.816	142	350717	35.265	ng	100
38) 1-Methylnaphthalene	8.916	142	334236	36.114	ng	97
46) 1,1'-Biphenyl	9.275	154	132356	12.266	ng	98
49) Acenaphthylene	9.716	152	80524	6.489	ng	97
58) Fluorene	10.404	166	62369	7.241	ng	98
71) Phenanthrene	11.374	178	596949	54.815	ng	99
72) Anthracene	11.422	178	135226	12.118	ng	100
75) Fluoranthene	12.569	202	189305	16.921	ng	96
78) Pyrene	12.798	202	348936	21.878	ng	100
81) Benzo(a)anthracene	13.998	228	141152m	11.786	ng	
83) Chrysene	14.033	228	135123	11.457	ng	99
87) Indeno(1,2,3-cd)pyrene	16.998	276	28348	2.427	ng	96
88) Benzo(b)fluoranthene	15.062	252	101241m	9.573	ng	
90) Benzo(a)pyrene	15.427	252	105950	10.782	ng	96
92) Benzo(g,h,i)perylene	17.451	276	29631	5.451	ng	97

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

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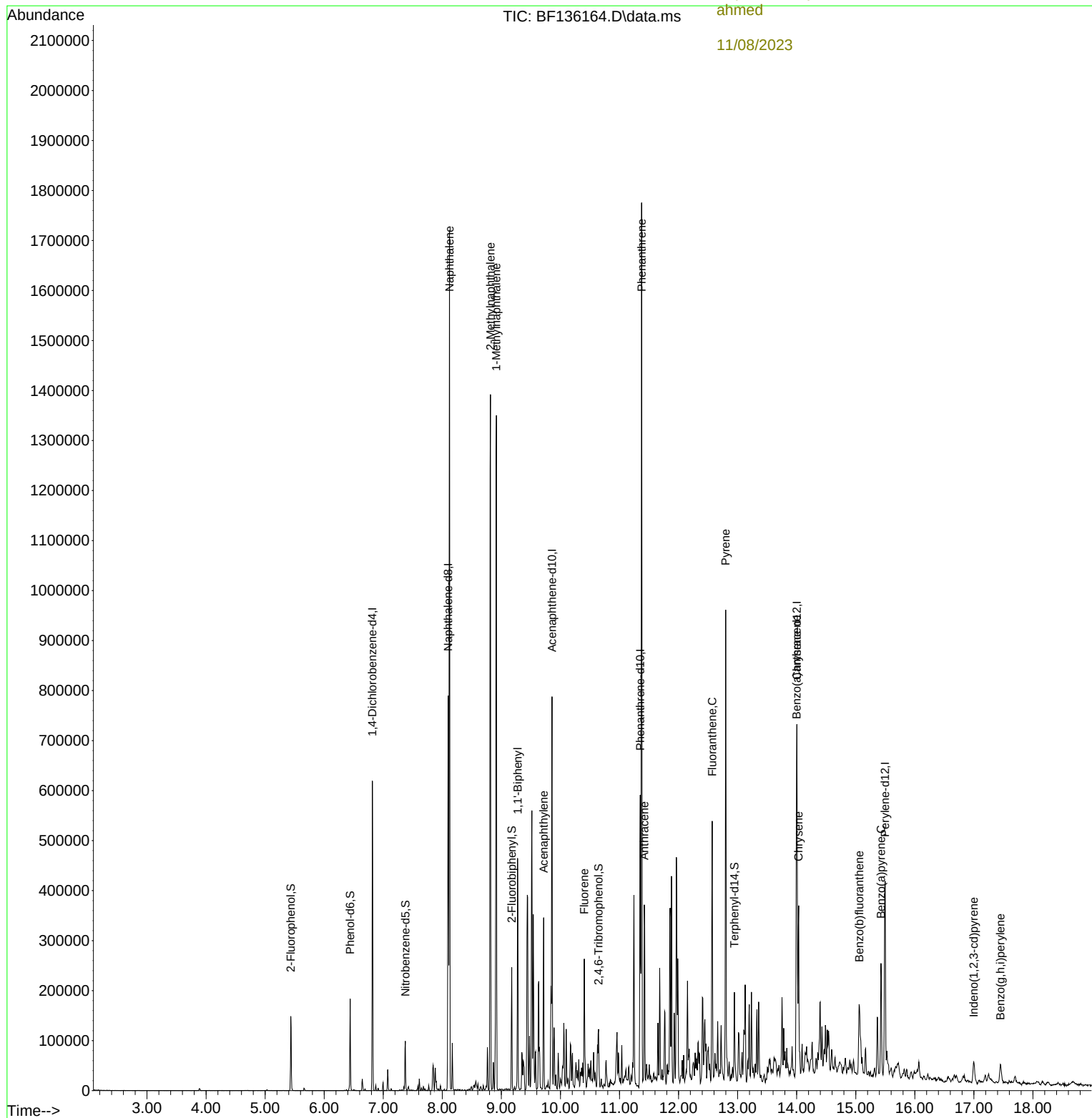
Quant Time: Nov 06 23:31:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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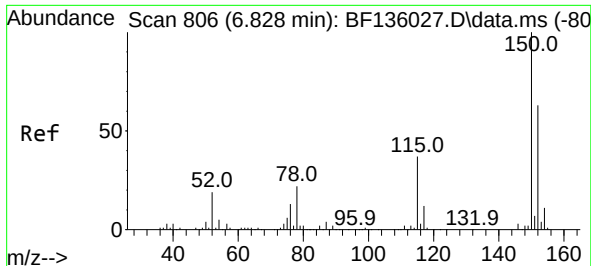
Manual Integrations
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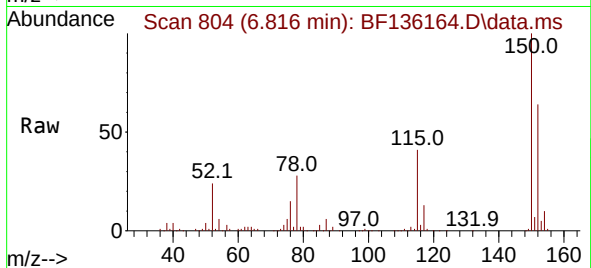
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL



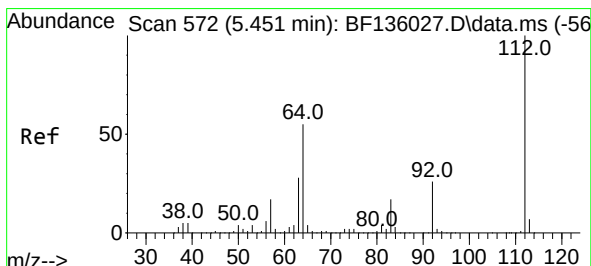
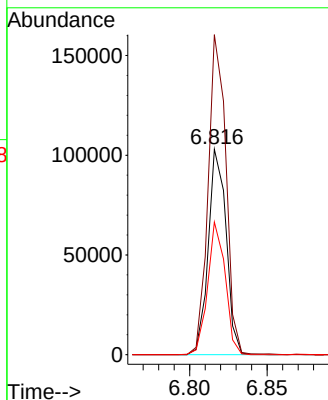
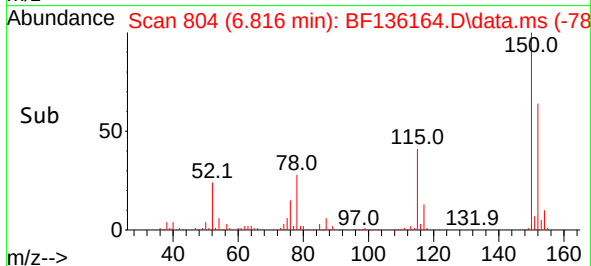
Tgt Ion:152 Resp: 8260
Ion Ratio Lower Upper
152 100
150 155.7 126.4 189.6
115 64.5 47.0 70.4

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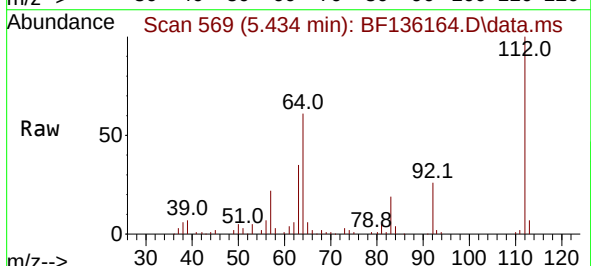
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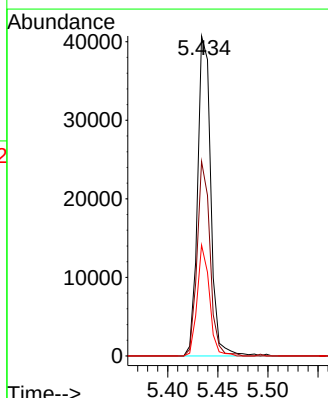
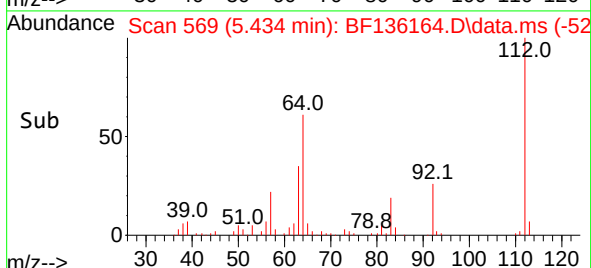
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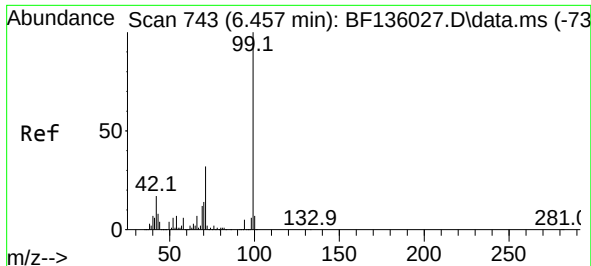


#5
2-Fluorophenol
Concen: 7.120 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00



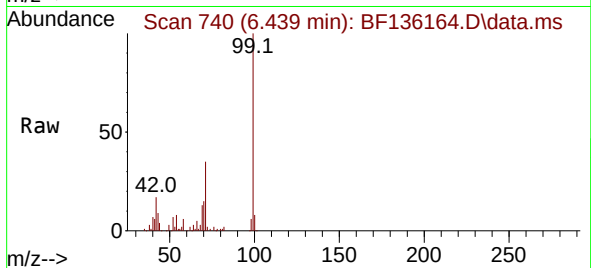
Tgt Ion:112 Resp: 37424
Ion Ratio Lower Upper
112 100
64 60.8 43.9 65.9
63 34.6 22.4 33.6#





#7
Phenol-d6
Concen: 7.180 ng
RT: 6.439 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL



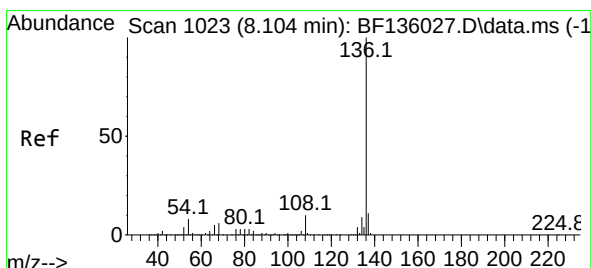
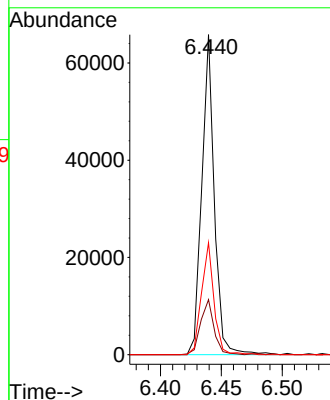
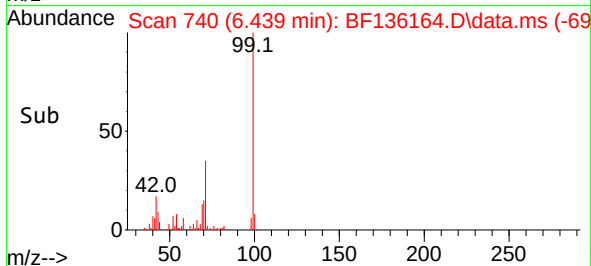
Tgt Ion: 99 Resp: 4702
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 35.0 25.9 38.9

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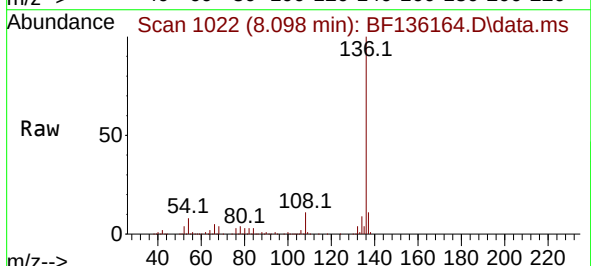
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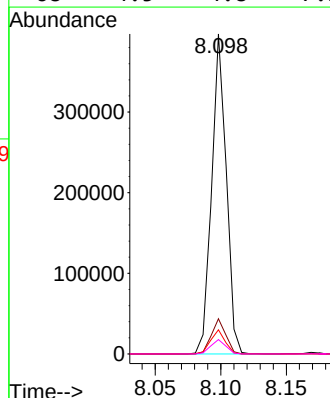
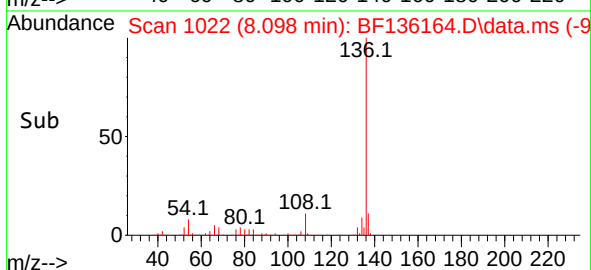
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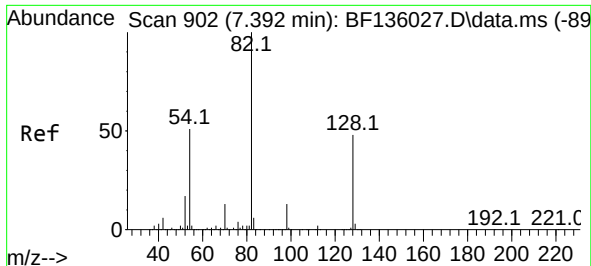


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00



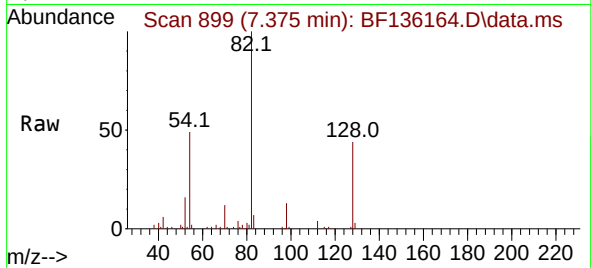
Tgt Ion:136 Resp: 307577
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.6 6.6 9.8
68 4.5 4.8 7.2#





#23
Nitrobenzene-d5
Concen: 5.584 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL



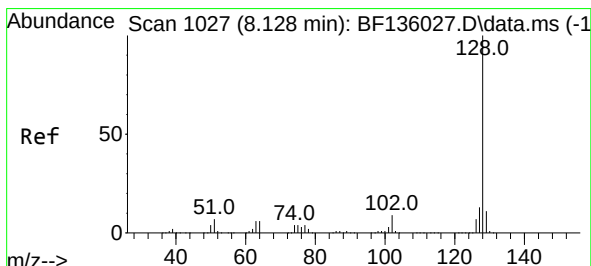
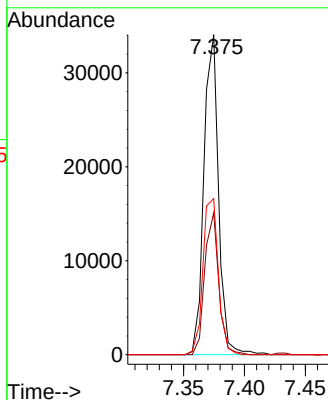
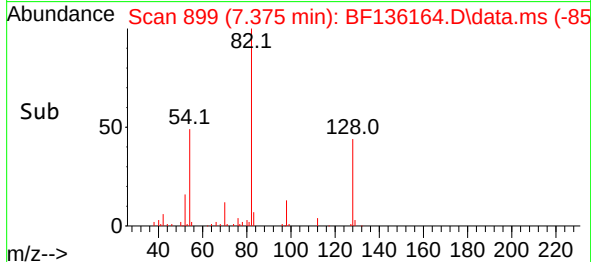
Tgt Ion: 82 Resp: 28490
Ion Ratio Lower Upper
82 100
128 44.3 38.6 57.8
54 48.8 40.8 61.2

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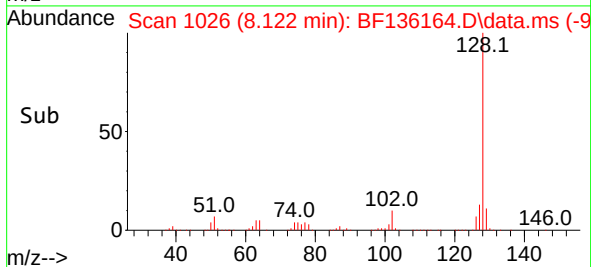
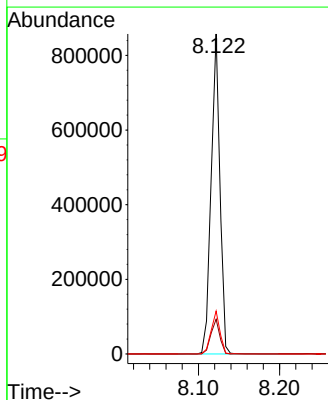
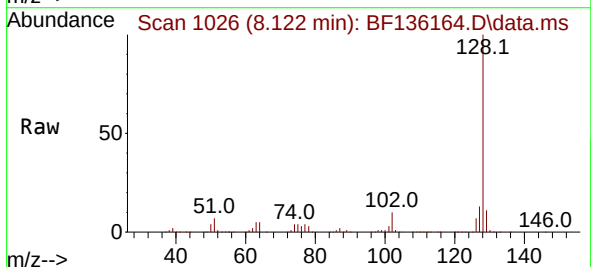
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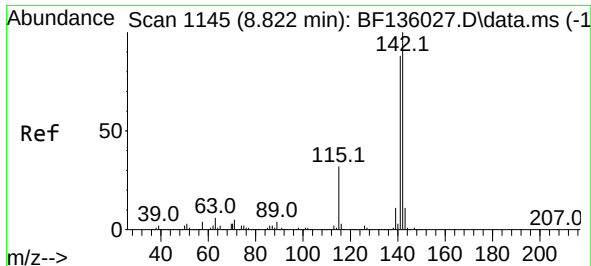
11/08/2023



#31
Naphthalene
Concen: 43.297 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:128 Resp: 642173
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.4 10.5 15.7





#37

2-Methylnaphthalene

Concen: 35.265 ng

RT: 8.816 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

Tgt Ion:142 Resp: 35071

Ion Ratio Lower Upper

142 100

141 88.3 70.4 105.6

Manual Integrations

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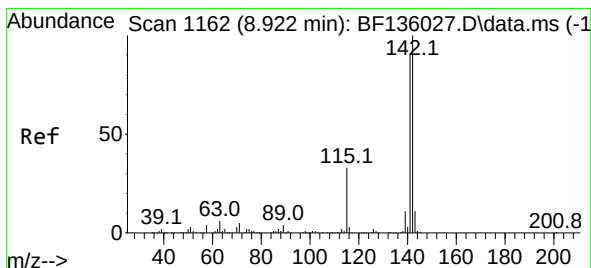
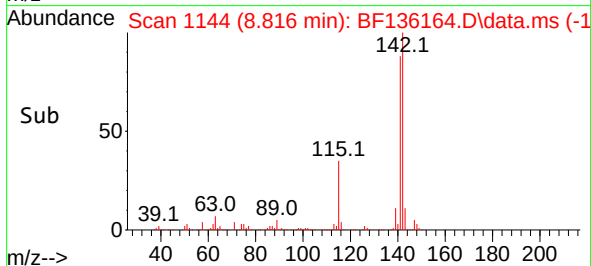
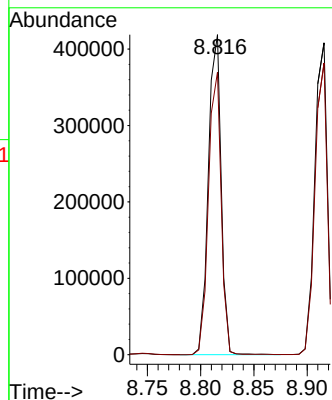
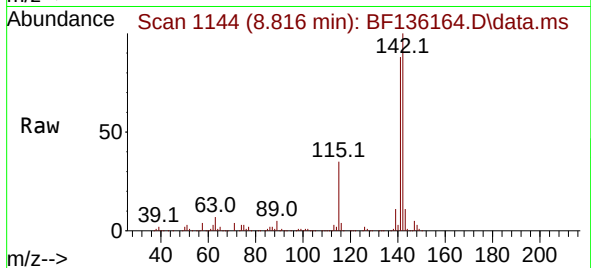
Reviewed By :Yogesh Patel 11/08/2023

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Supervised By :mohammad
ahmed

11/08/2023



#38

1-Methylnaphthalene

Concen: 36.114 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF136164.D

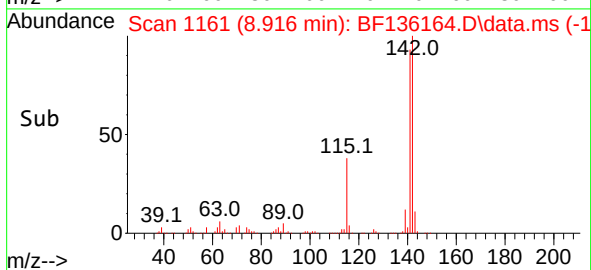
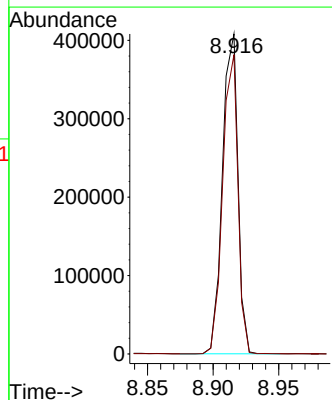
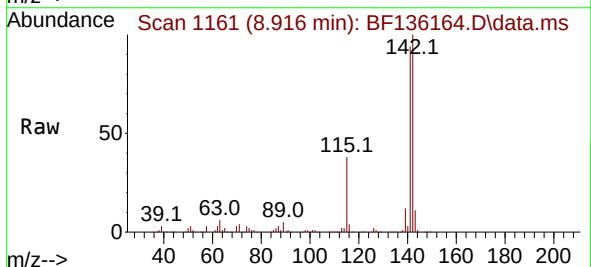
Acq: 06 Nov 2023 20:00

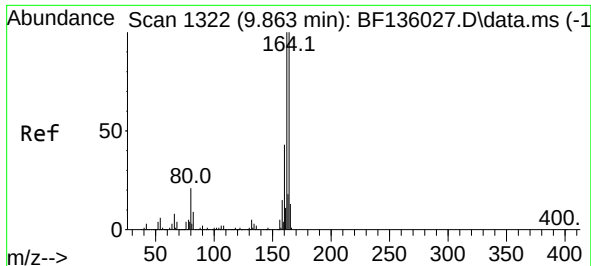
Tgt Ion:142 Resp: 334236

Ion Ratio Lower Upper

142 100

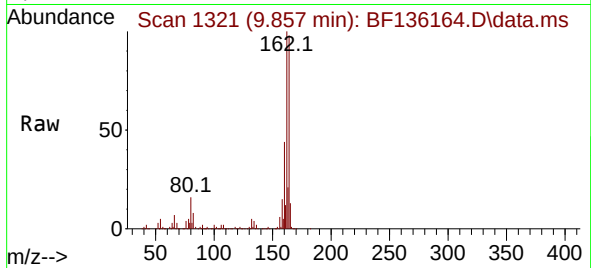
141 93.5 72.6 109.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL



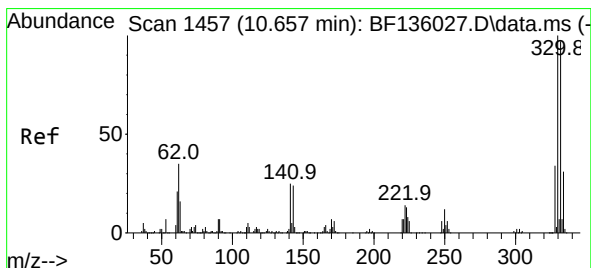
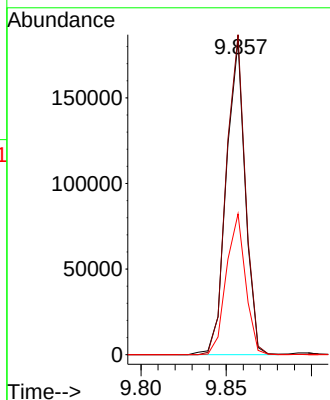
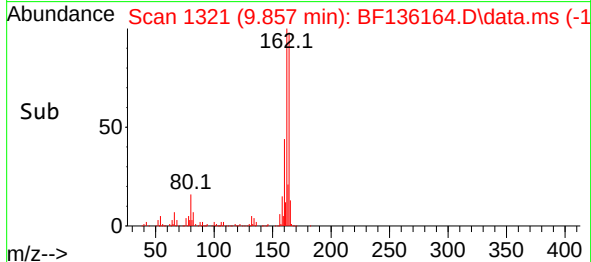
Tgt Ion:164 Resp: 14155
Ion Ratio Lower Upper
164 100
162 102.0 80.1 120.1
160 44.9 34.8 52.2

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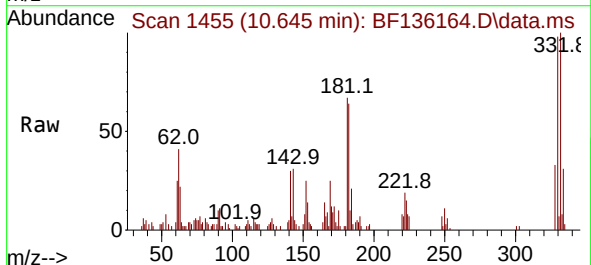
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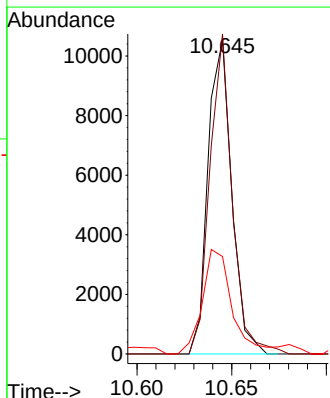
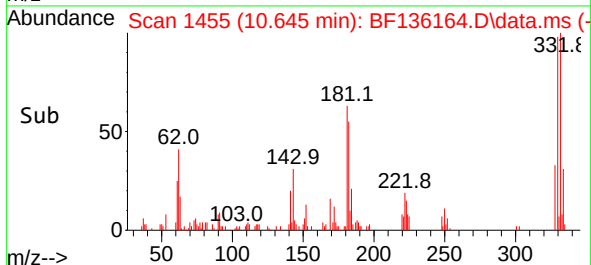
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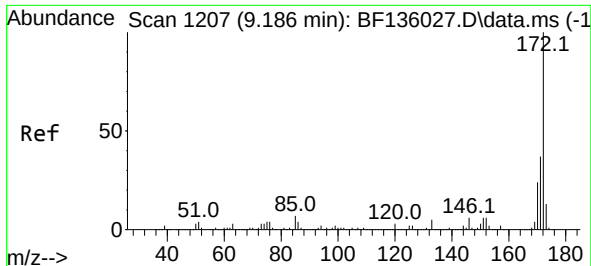


#42
2,4,6-Tribromophenol
Concen: 6.079 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00



Tgt Ion:330 Resp: 9185
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 44.1 23.2 34.8#





#45

2-Fluorobiphenyl

Concen: 6.588 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

Tgt Ion:172	Resp: 5850
Ion Ratio	Lower Upper
172 100	
171 35.3	29.4 44.0
170 22.9	19.3 28.9

Manual Integrations

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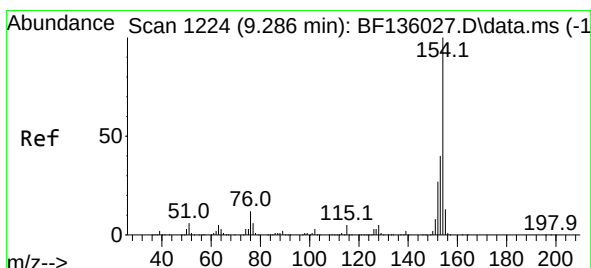
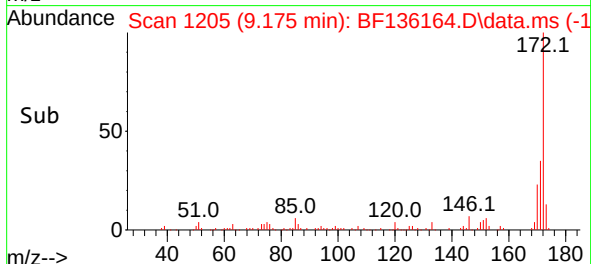
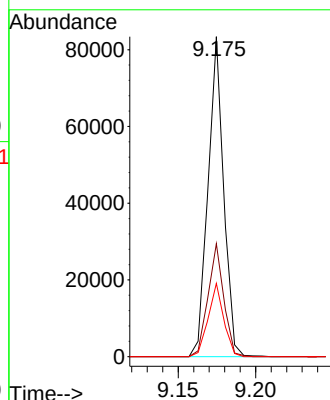
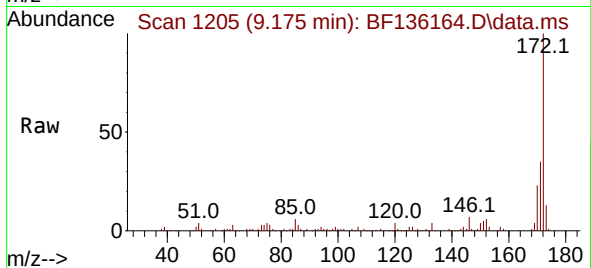
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Supervised By :mohammad ahmed 11/08/2023

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Supervised By :mohammad ahmed

11/08/2023



#46

1,1'-Biphenyl

Concen: 12.266 ng

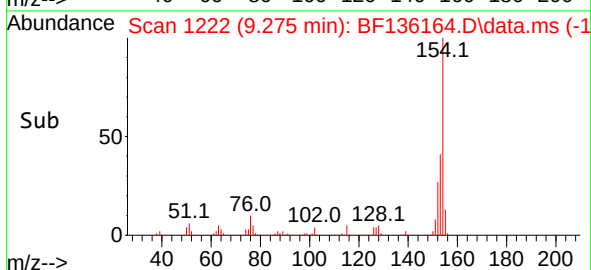
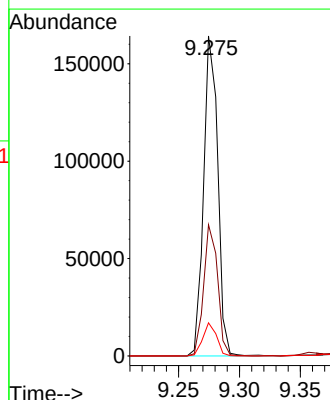
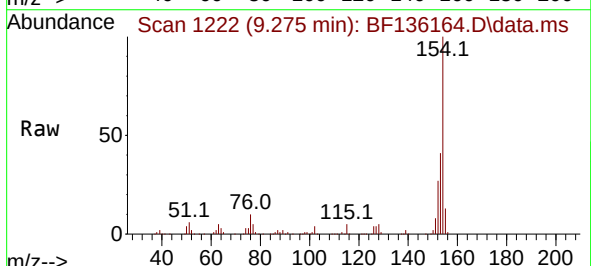
RT: 9.275 min Scan# 1222

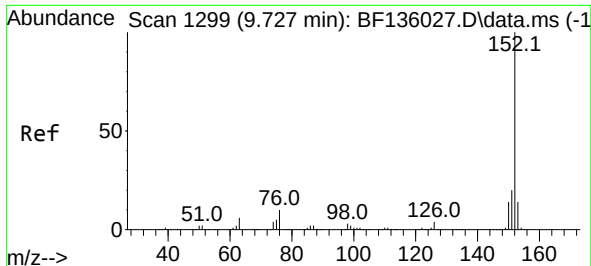
Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Tgt Ion:154	Resp: 132356
Ion Ratio	Lower Upper
154 100	
153 41.0	20.1 60.1
76 10.3	0.0 32.5





#49

Acenaphthylene

Concen: 6.489 ng

RT: 9.716 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

Tgt Ion:152 Resp: 80524

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	16.5	11.4	17.2

Manual Integrations

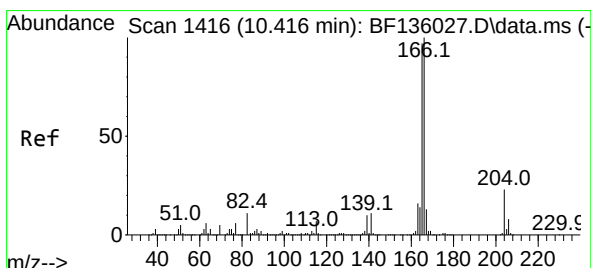
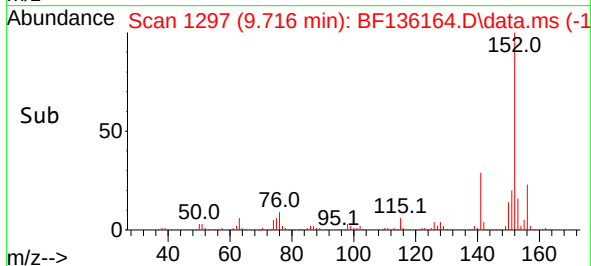
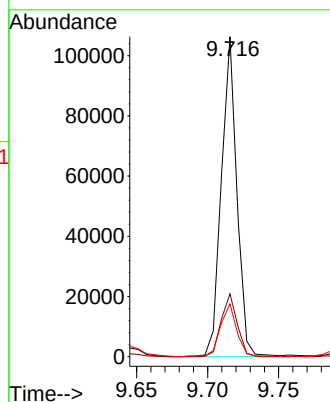
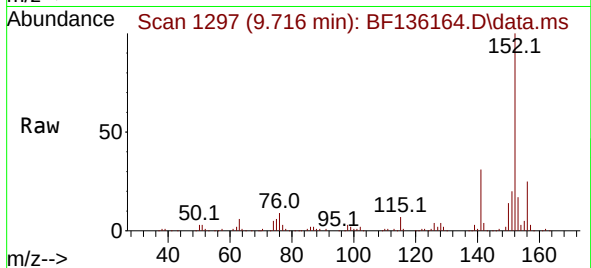
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ahmed

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#58

Fluorene

Concen: 7.241 ng

RT: 10.404 min Scan# 1414

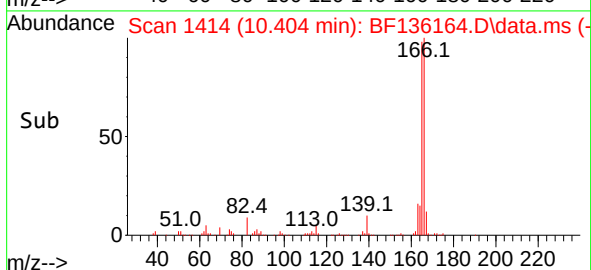
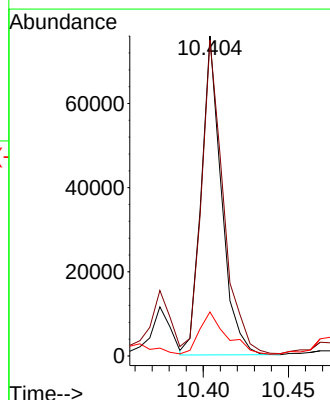
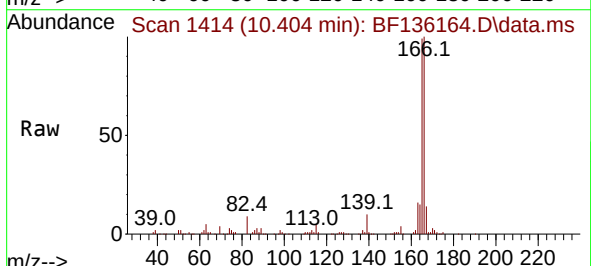
Delta R.T. -0.006 min

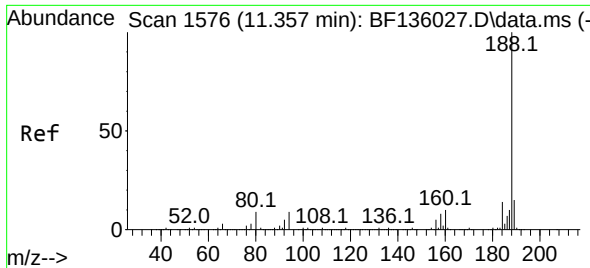
Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Tgt Ion:166 Resp: 62369

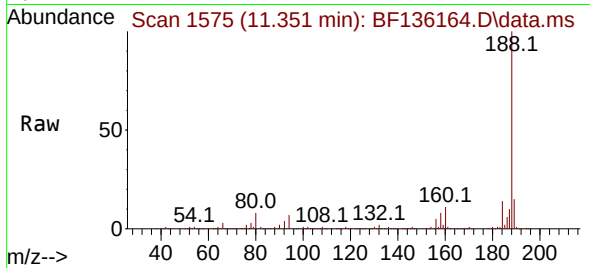
Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.7	116.5
167	13.8	10.6	16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL



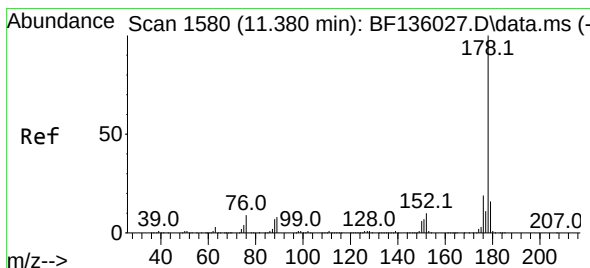
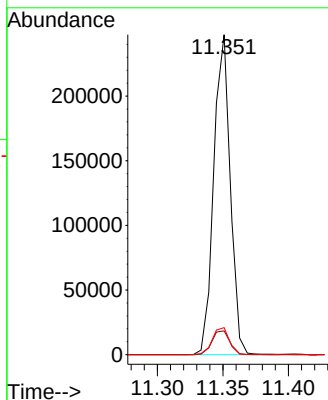
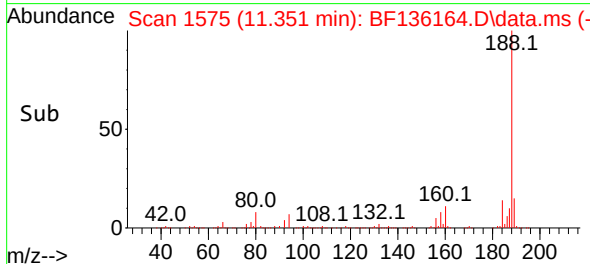
Tgt Ion:188 Resp: 21629
Ion Ratio Lower Upper
188 100
94 7.5 7.2 10.8
80 8.4 7.4 11.0

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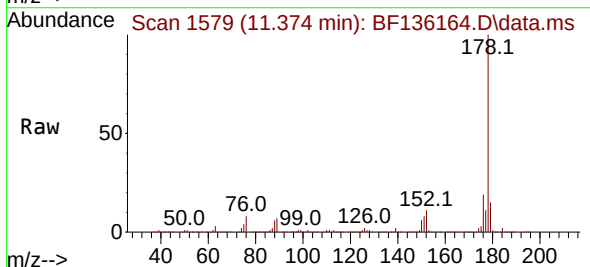
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

11/08/2023
Supervised By :mohammad
ahmed

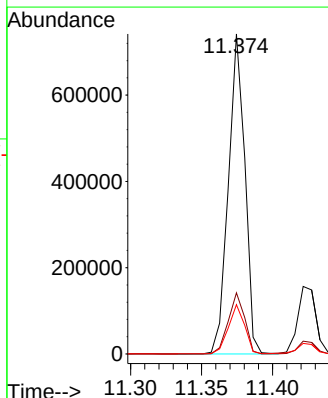
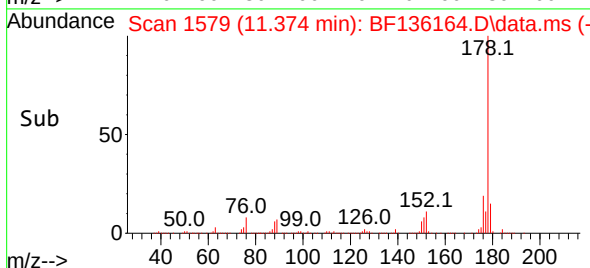
11/08/2023

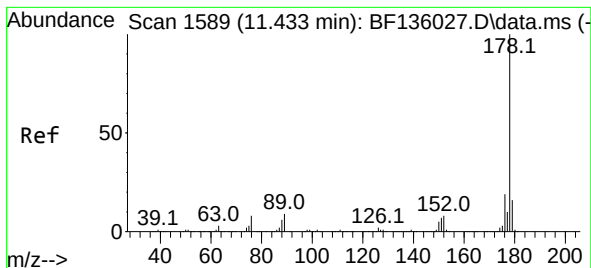


#71
Phenanthrene
Concen: 54.815 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00



Tgt Ion:178 Resp: 596949
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.4 12.9 19.3





#72

Anthracene

Concen: 12.118 ng

RT: 11.422 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

Tgt Ion:178 Resp: 135220

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 15.7 12.6 18.8

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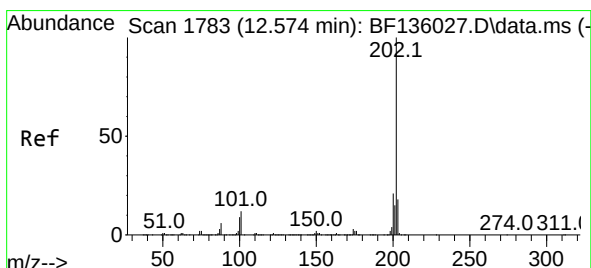
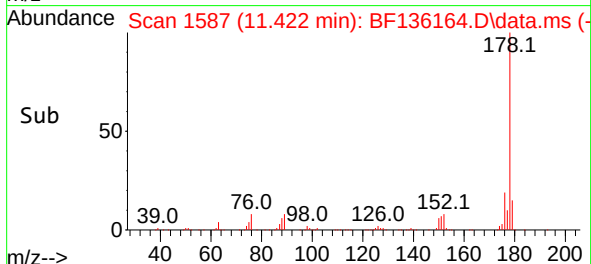
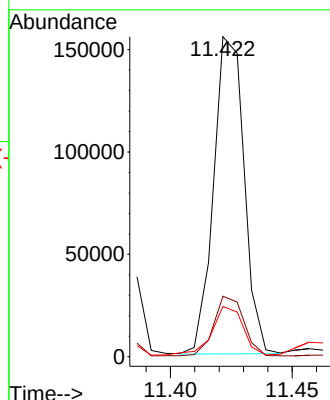
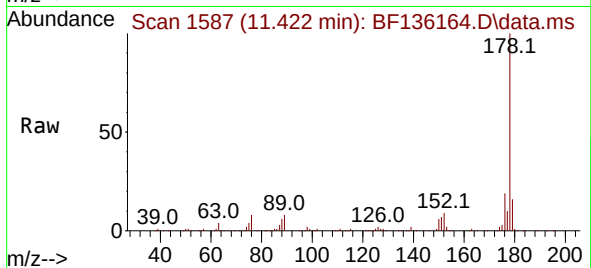
Reviewed By :Yogesh Patel 11/08/2023

Supervised By :mohammad ahmed 11/08/2023

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Supervised By :mohammad
ahmed

11/08/2023



#75

Fluoranthene

Concen: 16.921 ng

RT: 12.569 min Scan# 1782

Delta R.T. 0.000 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

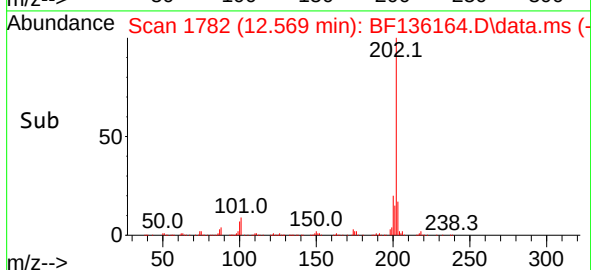
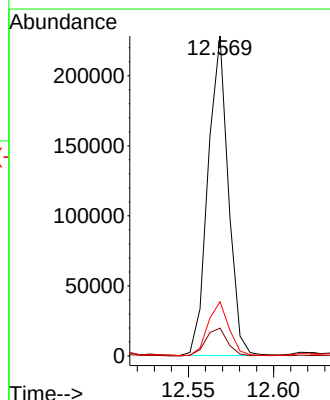
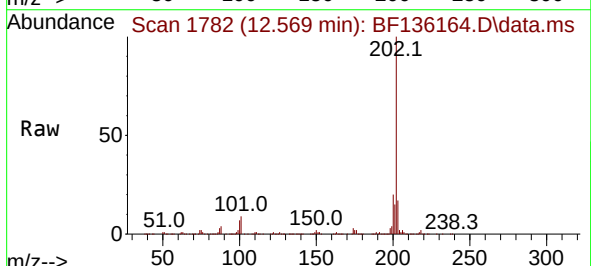
Tgt Ion:202 Resp: 189305

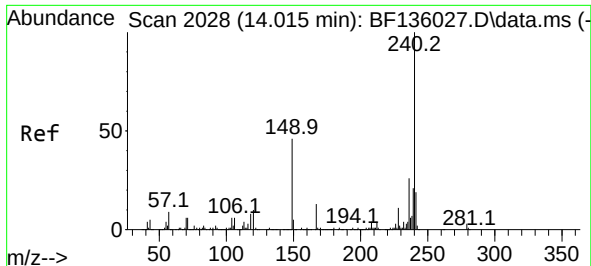
Ion Ratio Lower Upper

202 100

101 8.7 0.0 31.8

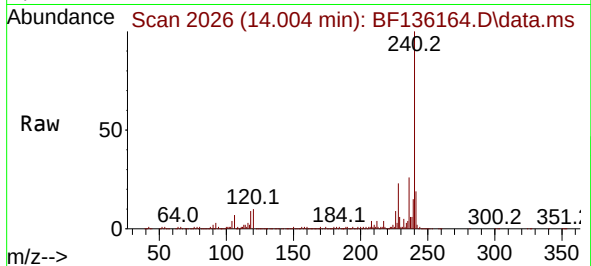
203 17.0 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL



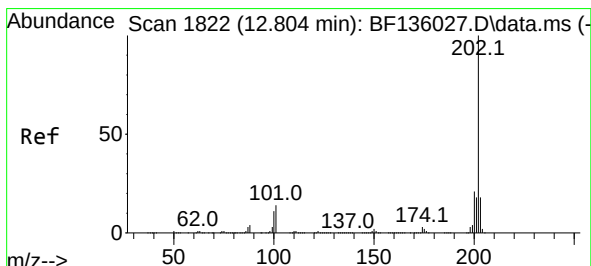
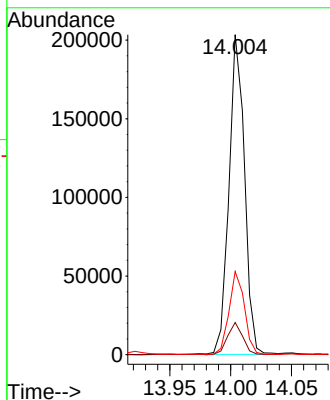
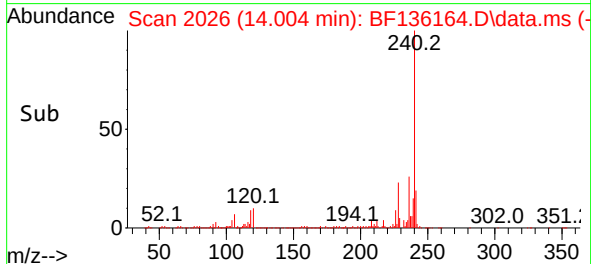
Tgt Ion:240 Resp: 180900
Ion Ratio Lower Upper
240 100
120 10.0 7.6 11.4
236 26.0 20.6 31.0

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Supervised By :mohammad ahmed 11/08/2023

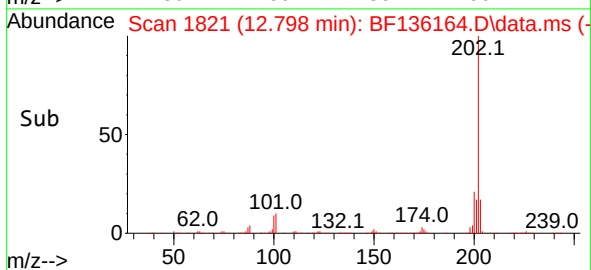
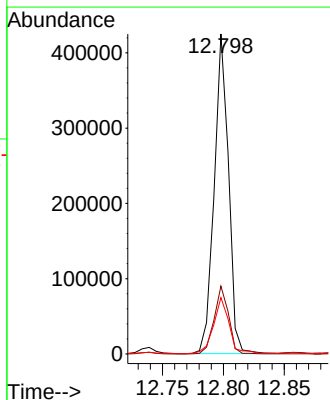
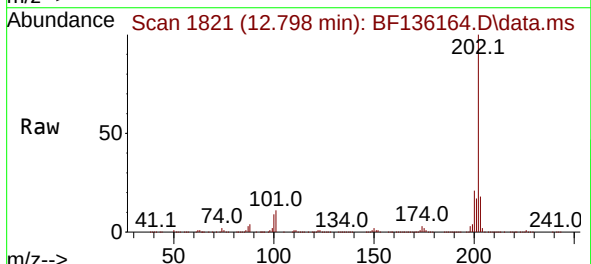
11/08/2023
Supervised By :mohammad
ahmed

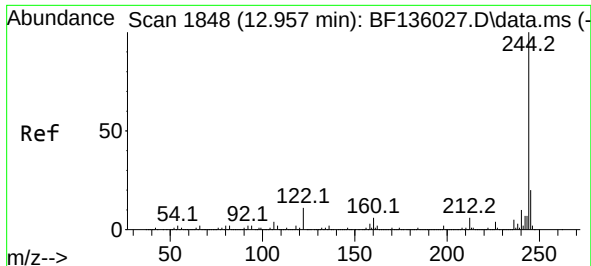
11/08/2023



#78
Pyrene
Concen: 21.878 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

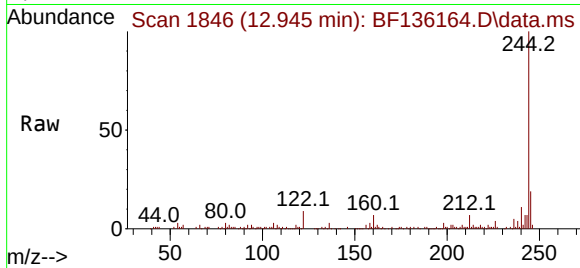
Tgt Ion:202 Resp: 348936
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.6 14.4 21.6





#79
 Terphenyl-d14
 Concen: 4.357 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.006 min
 Lab File: BF136164.D
 Acq: 06 Nov 2023 20:00

Instrument :
 BNA_F
 ClientSampleId :
 L-6(0-5)DL



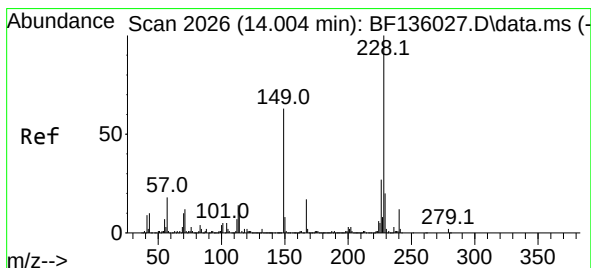
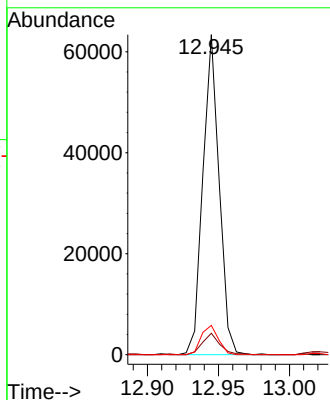
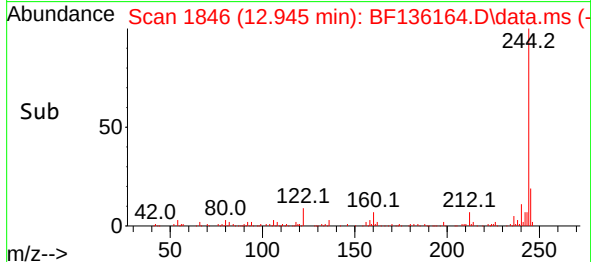
Tgt Ion:244 Resp: 50722
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 9.1 8.6 12.8

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 Supervised By :mohammad ahmed 11/08/2023

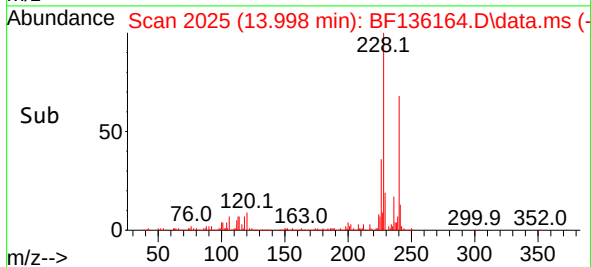
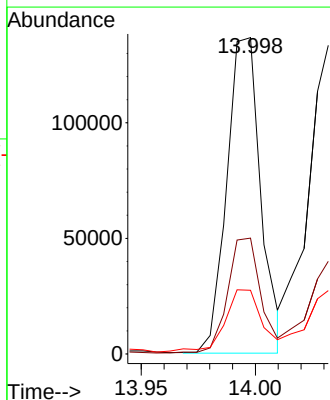
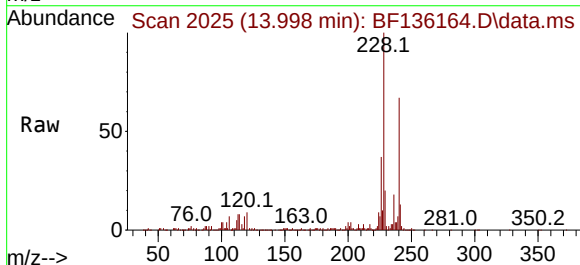
11/08/2023
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 ahmed

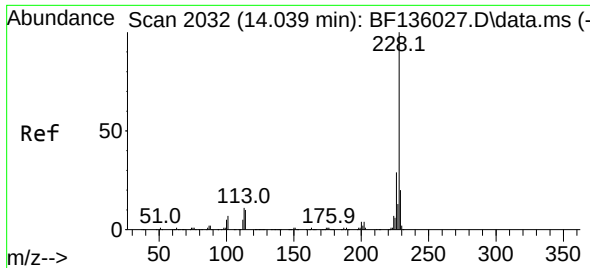
11/08/2023



#81
 Benzo(a)anthracene
 Concen: 11.786 ng m
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF136164.D
 Acq: 06 Nov 2023 20:00

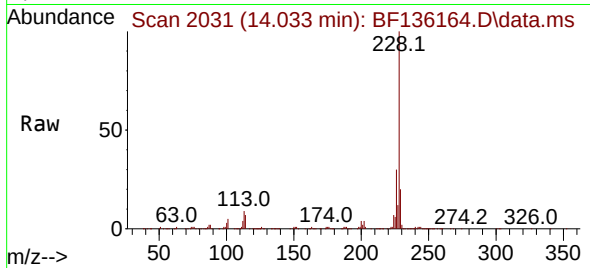
Tgt Ion:228 Resp: 141152
 Ion Ratio Lower Upper
 228 100
 226 36.6 21.5 32.3#
 229 20.1 15.8 23.6





#83
Chrysene
Concen: 11.457 ng
RT: 14.033 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL



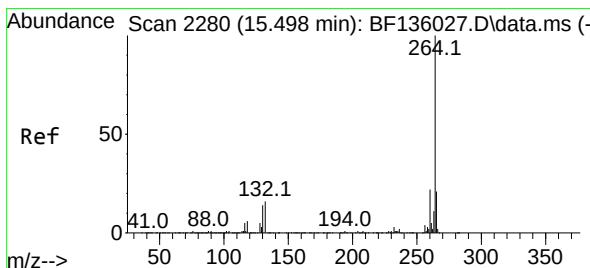
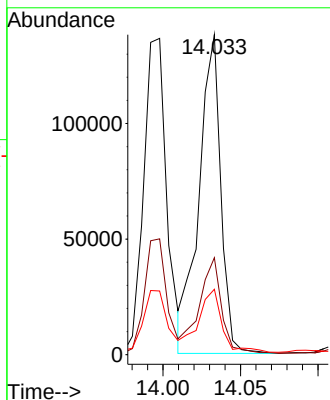
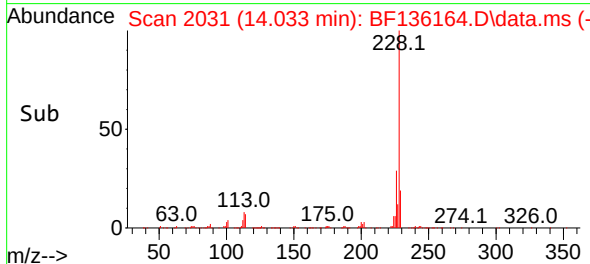
Tgt Ion:228 Resp: 13512
Ion Ratio Lower Upper
228 100
226 30.3 23.5 35.3
229 20.5 16.0 24.0

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Supervised By :mohammad ahmed 11/08/2023

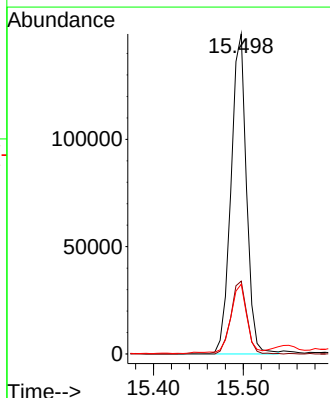
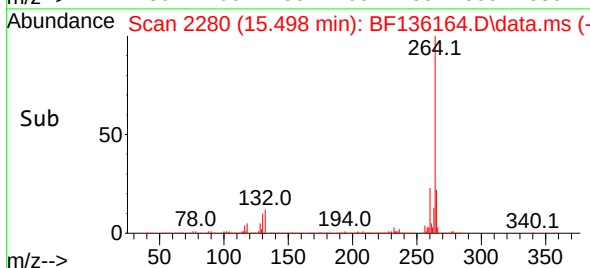
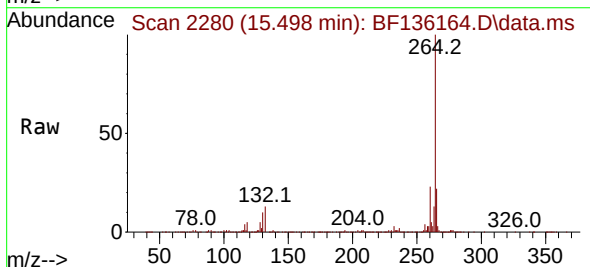
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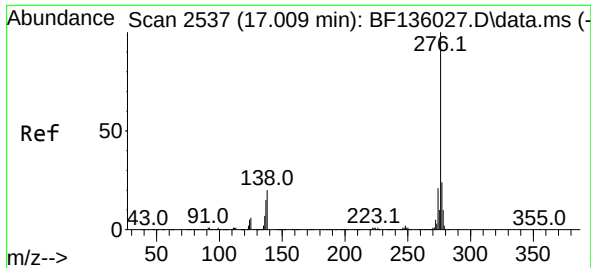
11/08/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:264 Resp: 178723
Ion Ratio Lower Upper
264 100
260 22.7 17.9 26.9
265 21.8 16.8 25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.427 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.012 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL

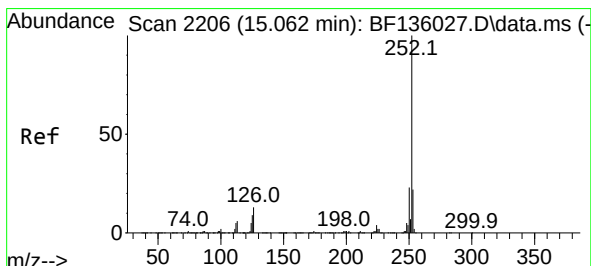
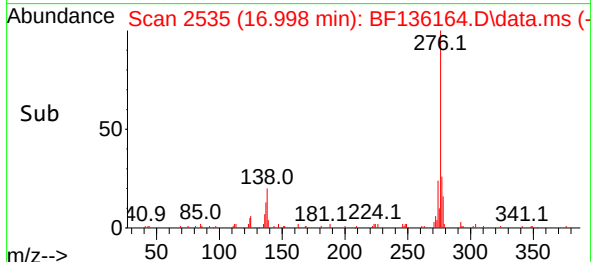
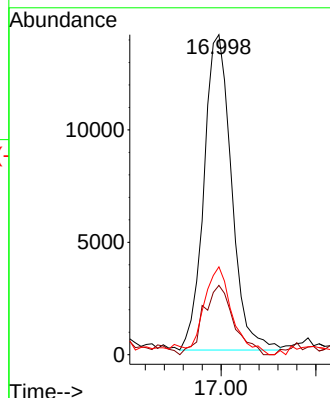
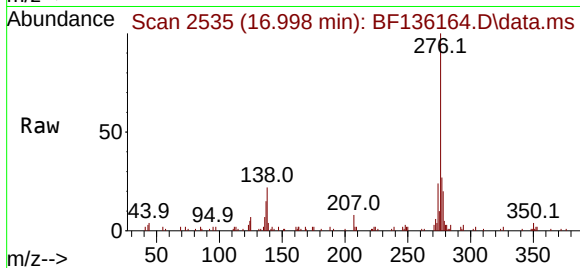
Tgt Ion: 276 Resp: 2834
Ion Ratio Lower Upper
276 100
138 24.0 20.4 30.6
277 28.0 20.2 30.2

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Supervised By : mohammad ahmed 11/08/2023

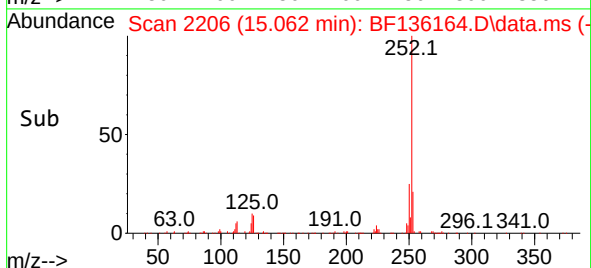
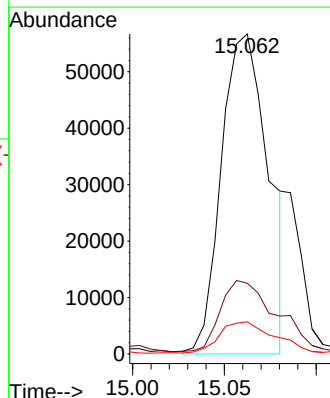
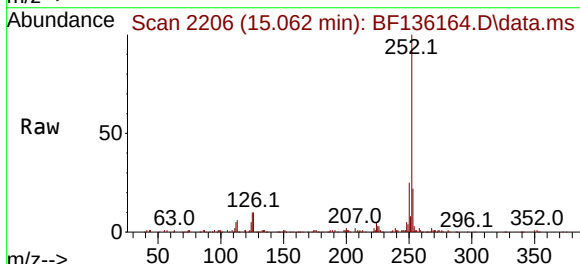
11/08/2023
Supervised By : mohammad
ahmed

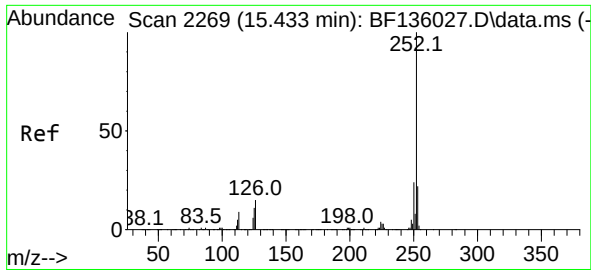
11/08/2023



#88
Benzo(b)fluoranthene
Concen: 9.573 ng m
RT: 15.062 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

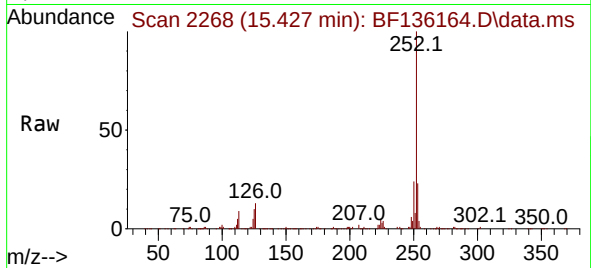
Tgt Ion: 252 Resp: 101241
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 10.1 7.5 11.3





#90
Benzo(a)pyrene
Concen: 10.782 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL



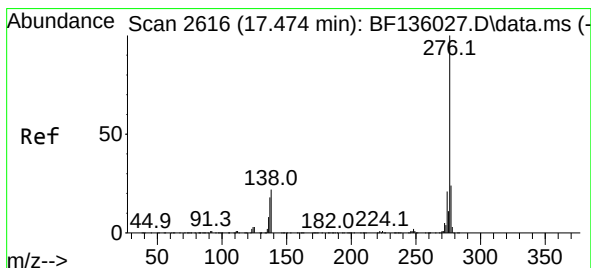
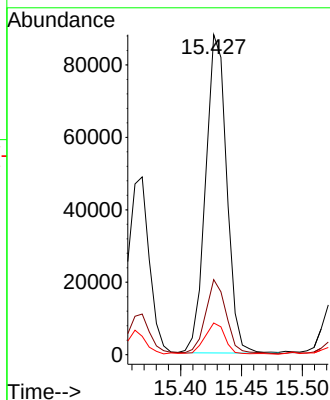
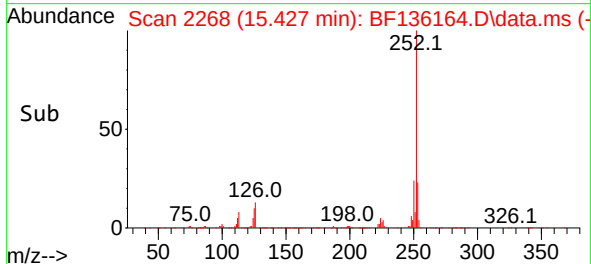
Tgt Ion:252 Resp: 105950
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 9.9 9.0 13.6

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Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

11/08/2023
Supervised By :mohammad
ahmed

11/08/2023



#92
Benzo(g,h,i)perylene
Concen: 5.451 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.023 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:276 Resp: 29631
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.4
138 18.8 17.4 26.2

