

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100422\
 Data File : BF130516.D
 Acq On : 04 Oct 2022 14:09
 Operator : CG\JU
 Sample : N4914-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Supervised By :mohammad
 ahmed
 10/06/2022

Quant Time: Oct 05 02:16:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	81060	20.000	ng	-0.01
21) Naphthalene-d8	7.916	136	307745	20.000	ng	-0.01
39) Acenaphthene-d10	9.663	164	154126	20.000	ng	-0.02
64) Phenanthrene-d10	11.145	188	227391	20.000	ng	-0.01
76) Chrysene-d12	13.774	240	150574	20.000	ng	-0.02
86) Perylene-d12	15.163	264	176972	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	663839	142.044	ng	0.00
7) Phenol-d6	6.287	99	755359	129.174	ng	0.00
23) Nitrobenzene-d5	7.204	82	561178	93.161	ng	-0.01
42) 2,4,6-Tribromophenol	10.457	330	224447	151.980	ng	-0.01
45) 2-Fluorobiphenyl	8.992	172	989980	93.534	ng	-0.02
79) Terphenyl-d14	12.733	244	895648	98.532	ng	-0.01
Target Compounds						
3) Pyridine	3.010	79	80062	14.299	ng	94
10) Phenol	6.298	94	442002	64.499	ng	94
17) 2-Methylphenol	6.898	107	92629	21.404	ng	98
20) 3+4-Methylphenols	7.057	107	281823	50.129	ng	# 54
27) 2,4-Dimethylphenol	7.587	122	77918	20.183	ng	98
31) Naphthalene	7.945	128	3789587	239.021	ng	98
32) Benzoic acid	7.722	122	83183	27.862	ng	# 12
37) 2-Methylnaphthalene	8.628	142	206772	20.455	ng	99
38) 1-Methylnaphthalene	8.722	142	158233	16.294	ng	99
46) 1,1'-Biphenyl	9.092	154	32931	2.861	ng	98
49) Acenaphthylene	9.522	152	155412	11.132	ng	99
55) Dibenzofuran	9.869	168	51601	4.044	ng	96
58) Fluorene	10.210	166	61152	5.861	ng	99
71) Phenanthrene	11.169	178	118089	9.250	ng	98
72) Anthracene	11.216	178	24688m	2.004	ng	
73) Carbazole	11.380	167	205127	18.449	ng	97
75) Fluoranthene	12.351	202	26685	2.163	ng	99
77) Benzidine	12.486	184	33727	7.716	ng	100

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

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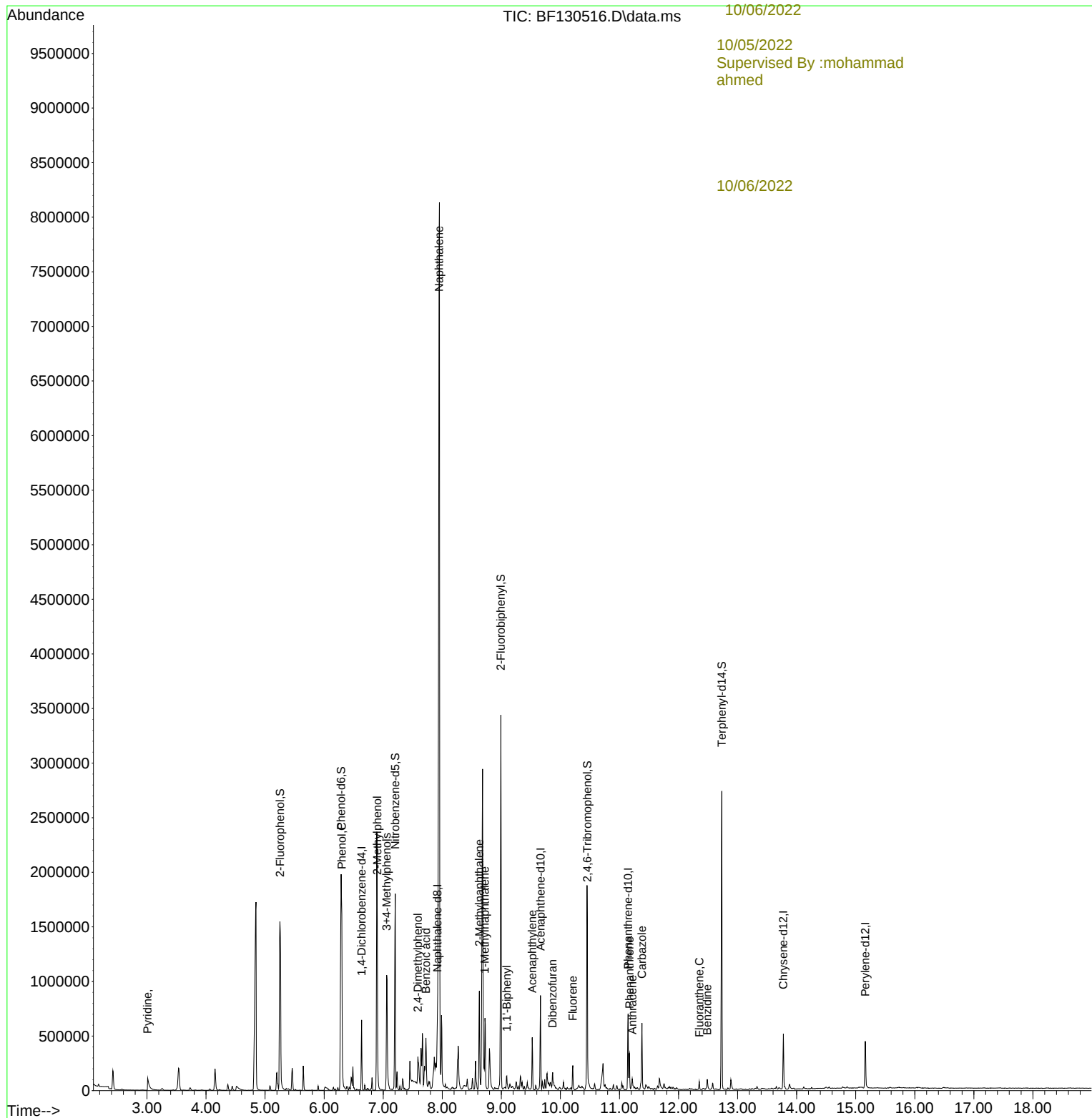
Manual Integrations
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Upadhyay

Supervised By :mohammad
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10/06/2022

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Supervised By :mohammad
ahmed

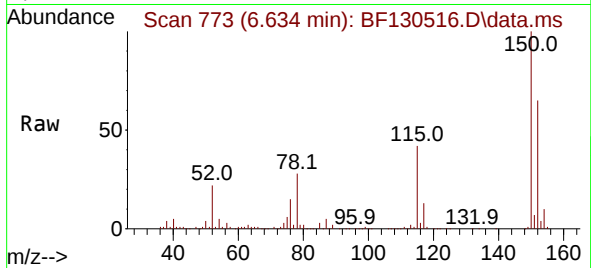
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.634 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



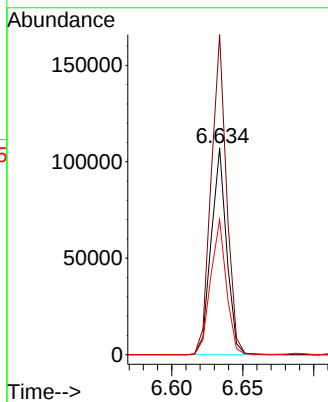
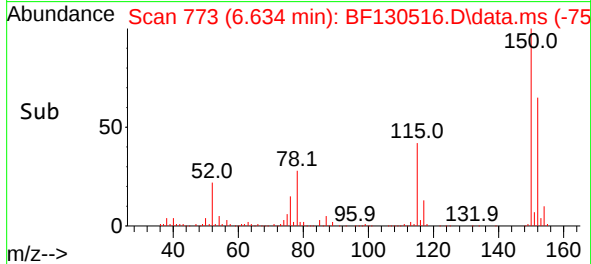
Tgt Ion:152 Resp: 81060
Ion Ratio Lower Upper
152 100
150 154.6 122.8 184.2
115 65.3 53.8 80.8

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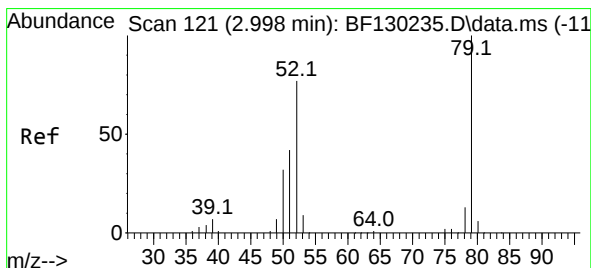
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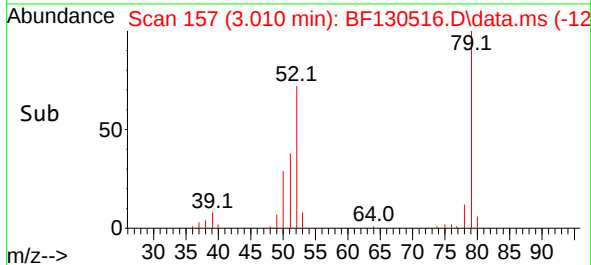
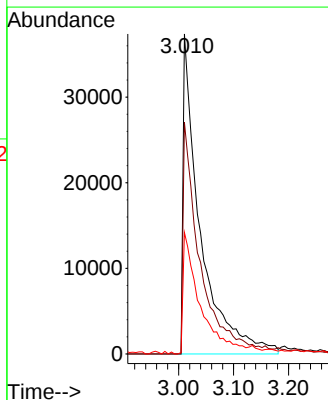
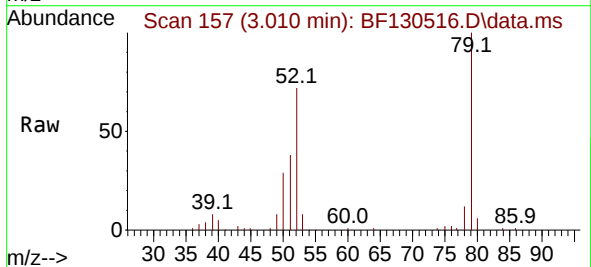


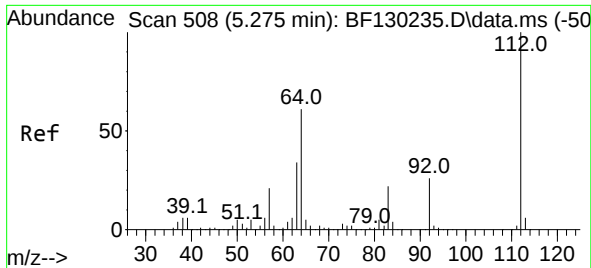
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#3
Pyridine
Concen: 14.299 ng
RT: 3.010 min Scan# 157
Delta R.T. 0.071 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

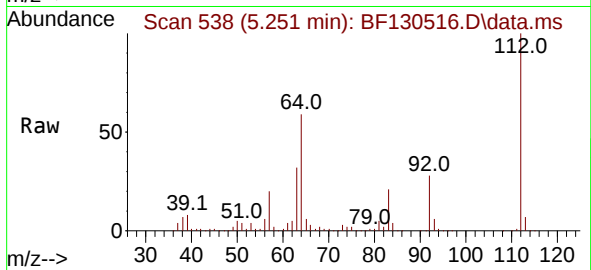
Tgt Ion: 79 Resp: 80062
Ion Ratio Lower Upper
79 100
52 72.4 62.4 93.6
51 38.0 32.2 48.4





#5
2-Fluorophenol
Concen: 142.044 ng
RT: 5.251 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



Tgt Ion: 112 Resp: 663839
Ion Ratio Lower Upper
112 100
64 58.8 51.4 77.0
63 32.3 28.8 43.2

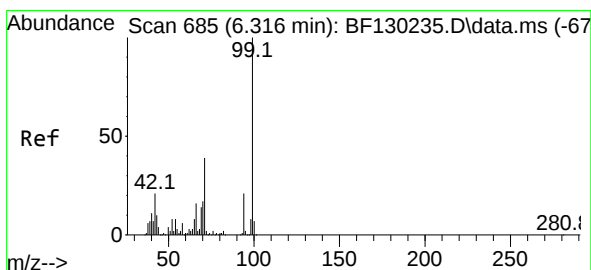
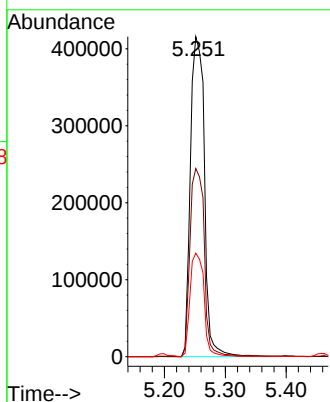
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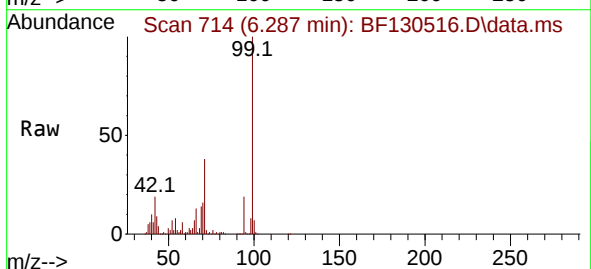
Supervised By :mohammad
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Supervised By :mohammad
ahmed

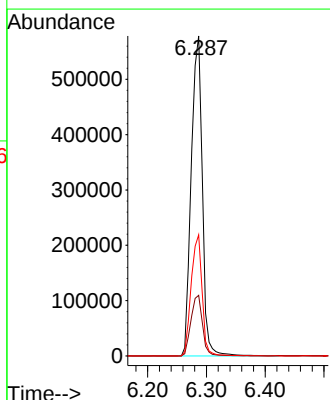
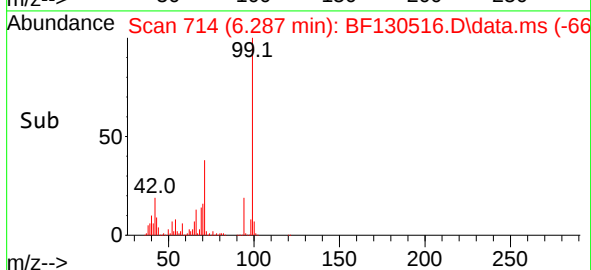
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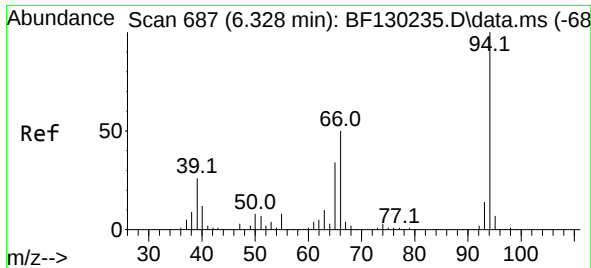


#7
Phenol-d6
Concen: 129.174 ng
RT: 6.287 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09



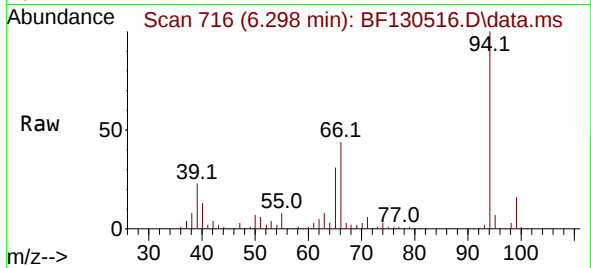
Tgt Ion: 99 Resp: 755359
Ion Ratio Lower Upper
99 100
42 19.0 17.0 25.6
71 37.9 32.3 48.5





#10
Phenol
Concen: 64.499 ng
RT: 6.298 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



Tgt Ion: 94 Resp: 442002
Ion Ratio Lower Upper
94 100
65 31.3 14.1 54.1
66 43.6 28.1 68.1

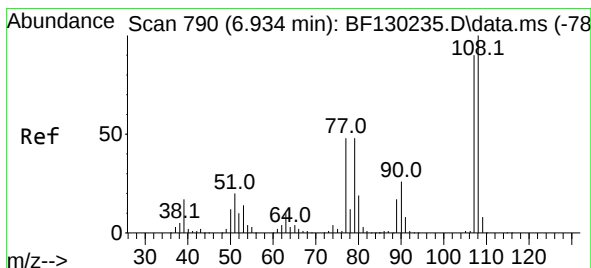
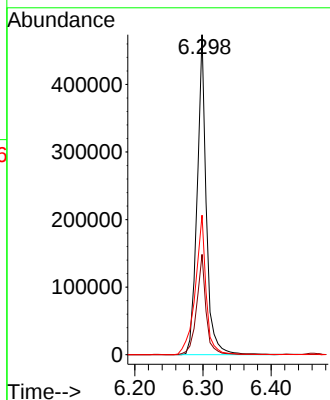
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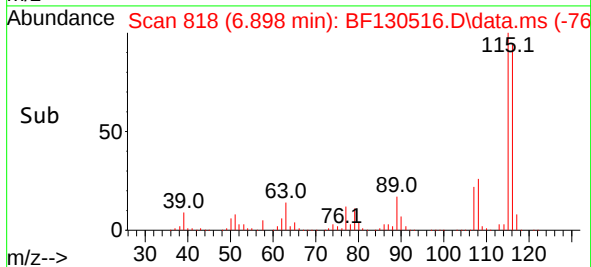
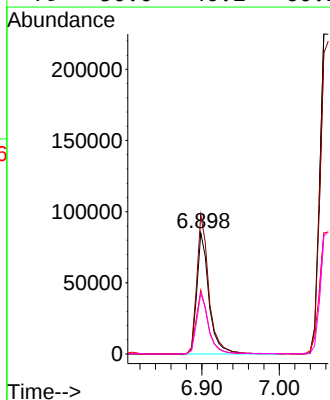
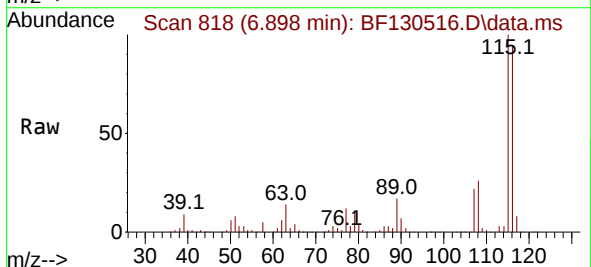
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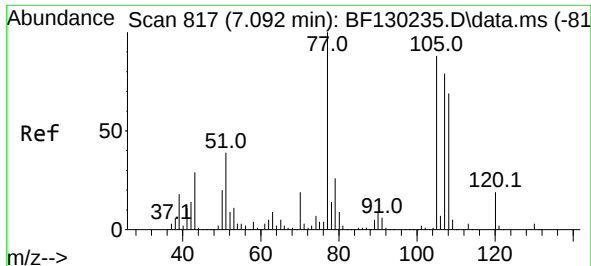
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#17
2-Methylphenol
Concen: 21.404 ng
RT: 6.898 min Scan# 818
Delta R.T. -0.012 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

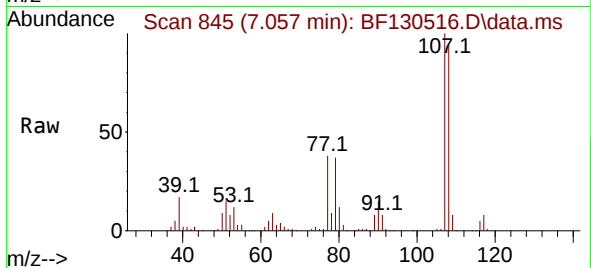
Tgt Ion:107 Resp: 92629
Ion Ratio Lower Upper
107 100
108 115.1 89.4 134.0
77 52.7 40.6 60.8
79 50.0 40.2 60.2





#20
3+4-Methylphenols
Concen: 50.129 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



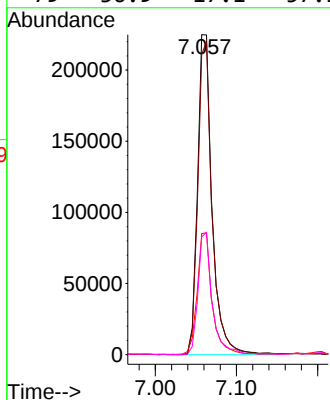
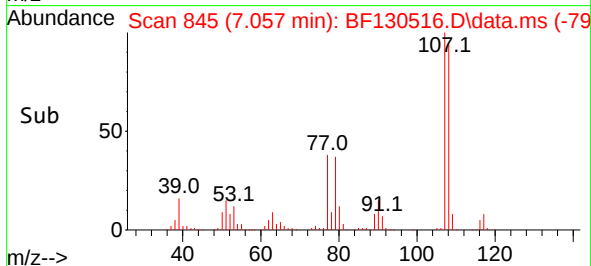
Tgt Ion:107 Resp: 28182
Ion Ratio Lower Upper
107 100
108 94.0 74.8 114.8
77 37.9 125.8 165.8
79 36.9 17.1 57.1

Manual Integrations
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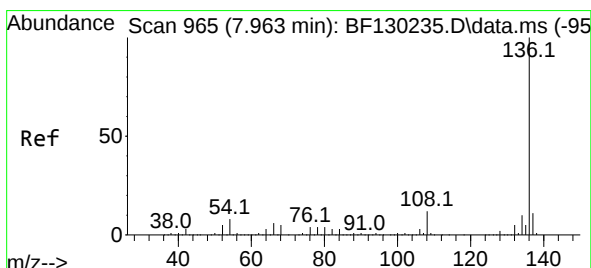
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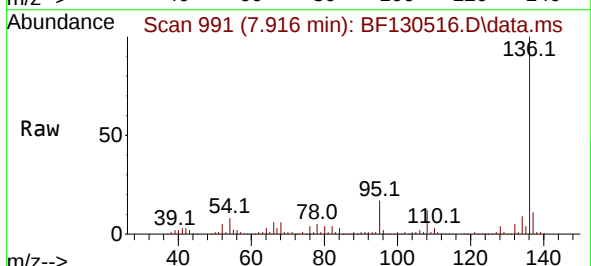
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Supervised By :mohammad
ahmed



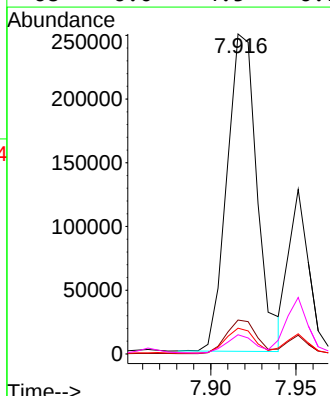
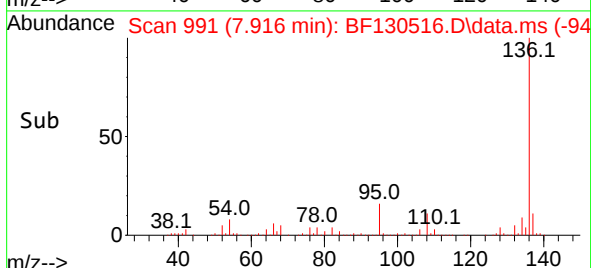
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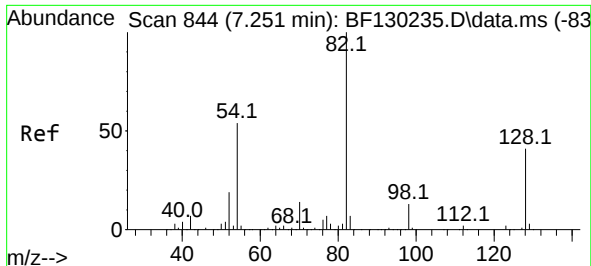


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.012 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09



Tgt Ion:136 Resp: 307745
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 8.1 7.1 10.7
68 6.0 4.5 6.7





#23

Nitrobenzene-d5

Concen: 93.161 ng

RT: 7.204 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130516.D

Acq: 04 Oct 2022 14:09

Instrument :

BNA_F

ClientSampleId :

S1

Tgt Ion: 82 Resp: 561178

Ion	Ratio	Lower	Upper
82	100		
128	43.2	32.6	49.0
54	49.8	43.8	65.6

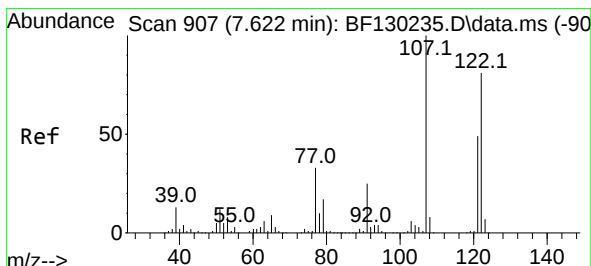
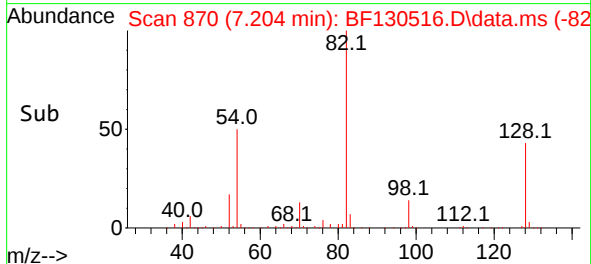
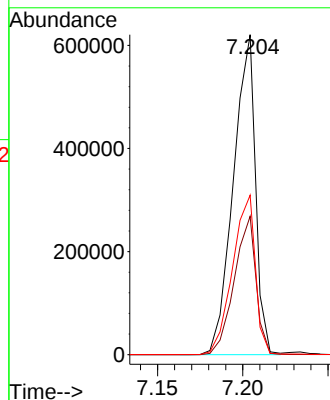
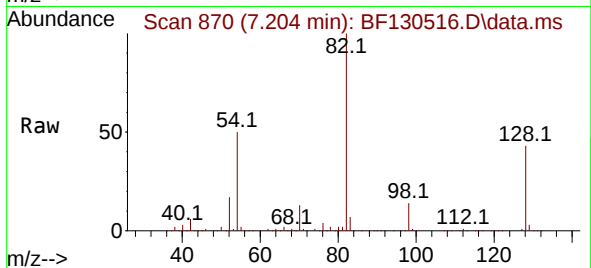
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10/06/2022



#27

2,4-Dimethylphenol

Concen: 20.183 ng

RT: 7.587 min Scan# 935

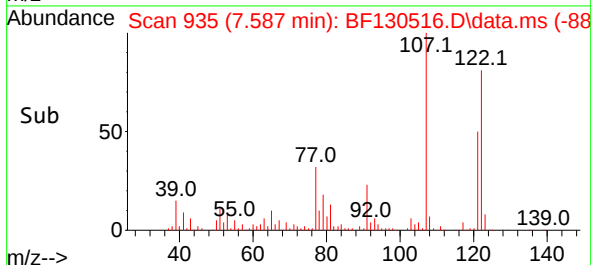
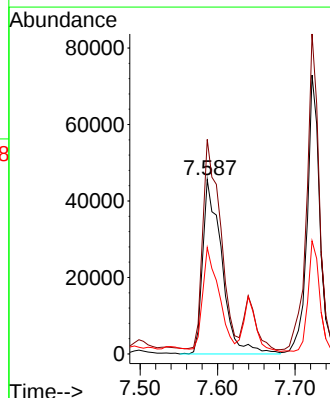
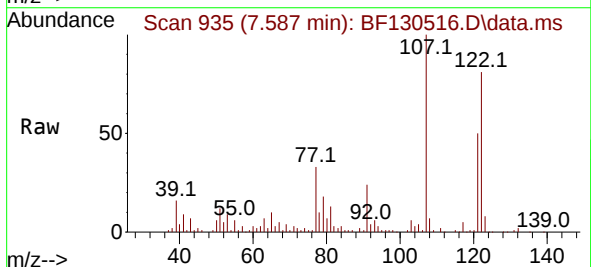
Delta R.T. -0.006 min

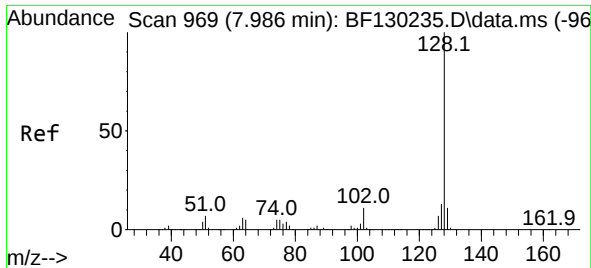
Lab File: BF130516.D

Acq: 04 Oct 2022 14:09

Tgt Ion:122 Resp: 77918

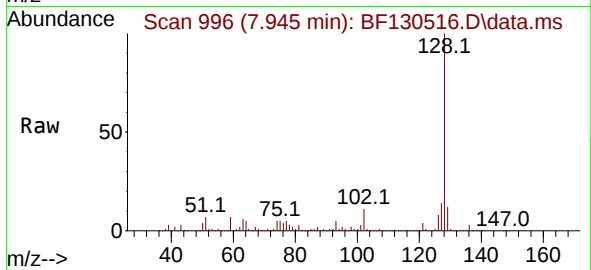
Ion	Ratio	Lower	Upper
122	100		
107	123.0	100.2	150.2
121	61.0	47.8	71.8





#31
Naphthalene
Concen: 239.021 ng
RT: 7.945 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



Tgt Ion:128 Resp: 378958
Ion Ratio Lower Upper
128 100
129 12.3 9.1 13.7
127 14.0 10.6 16.0

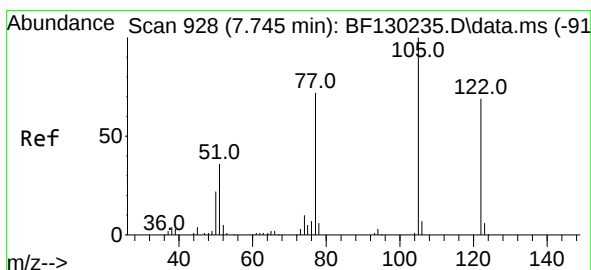
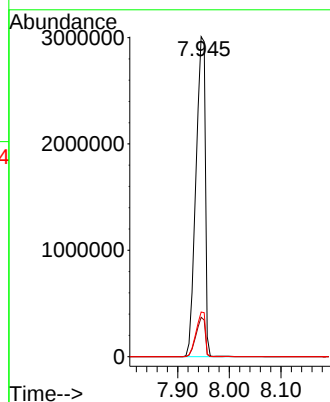
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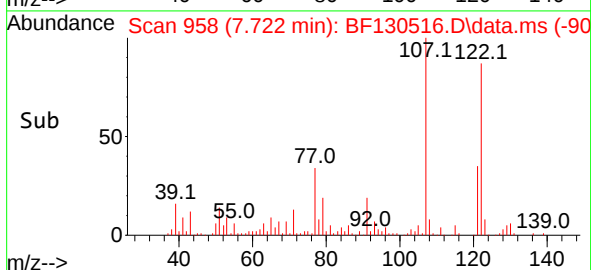
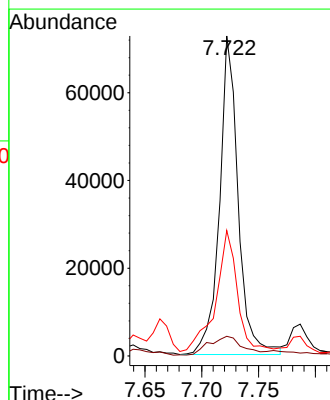
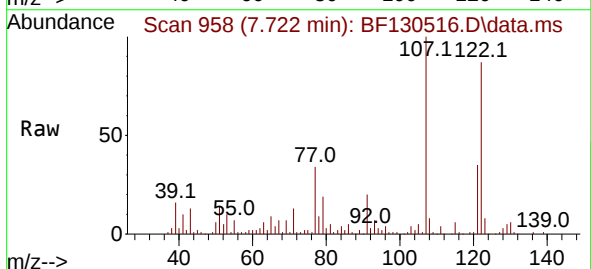
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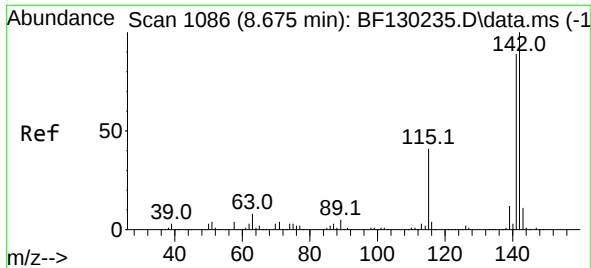
10/06/2022



#32
Benzoic acid
Concen: 27.862 ng
RT: 7.722 min Scan# 958
Delta R.T. -0.012 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

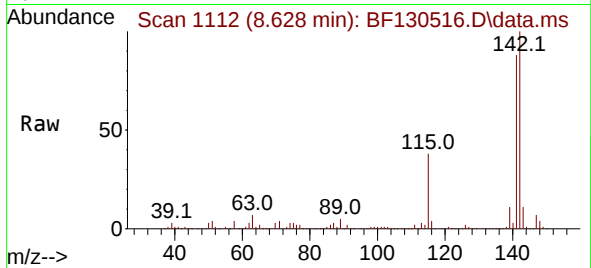
Tgt Ion:122 Resp: 83183
Ion Ratio Lower Upper
122 100
105 6.1 112.9 152.9#
77 39.2 82.8 122.8#





#37
2-Methylnaphthalene
Concen: 20.455 ng
RT: 8.628 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



Tgt Ion:142 Resp: 206772
Ion Ratio Lower Upper
142 100
141 88.1 70.0 105.0

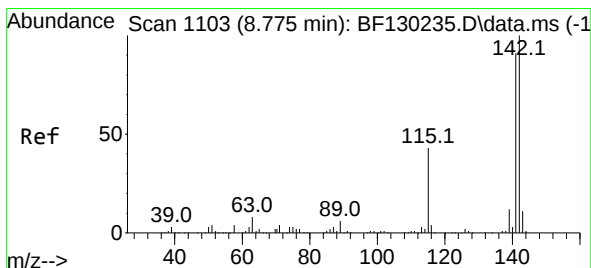
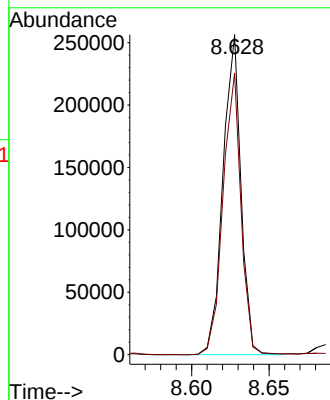
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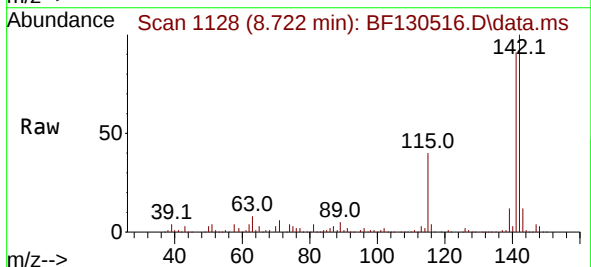
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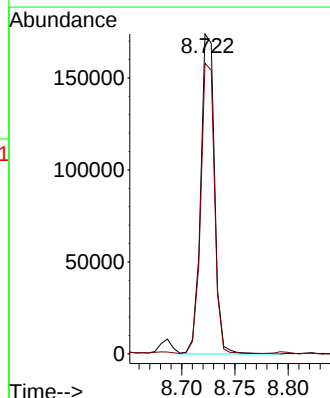
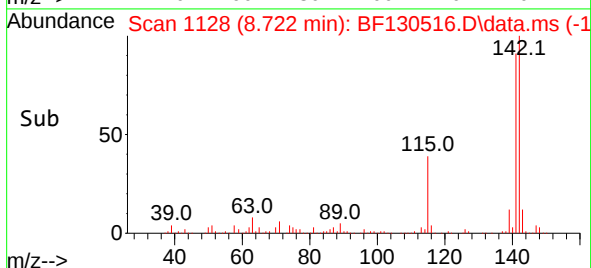
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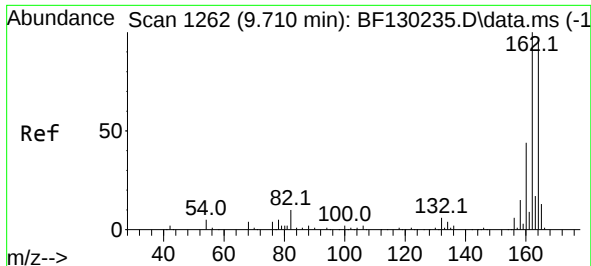


#38
1-Methylnaphthalene
Concen: 16.294 ng
RT: 8.722 min Scan# 1128
Delta R.T. -0.018 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09



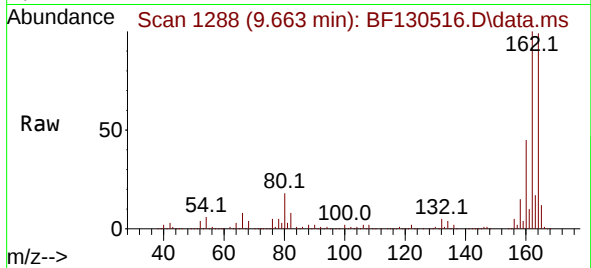
Tgt Ion:142 Resp: 158233
Ion Ratio Lower Upper
142 100
141 90.9 73.8 110.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



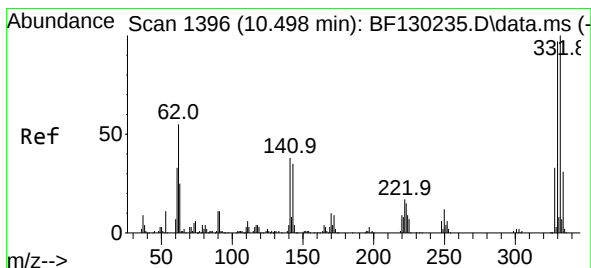
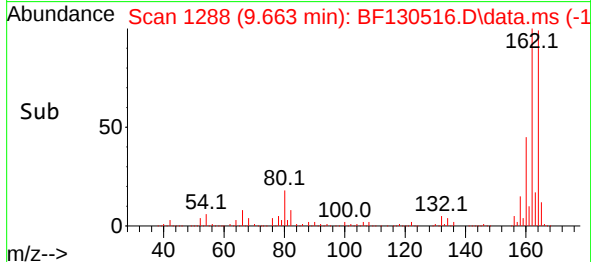
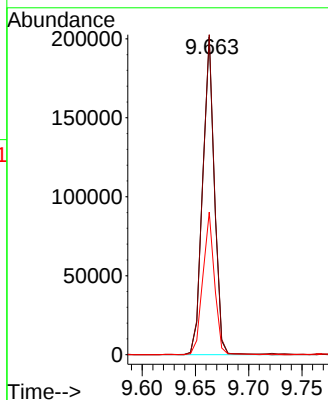
Tgt Ion:164 Resp: 154120
Ion Ratio Lower Upper
164 100
162 100.7 81.4 122.0
160 44.9 36.2 54.4

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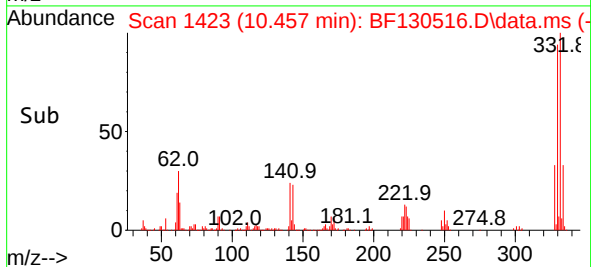
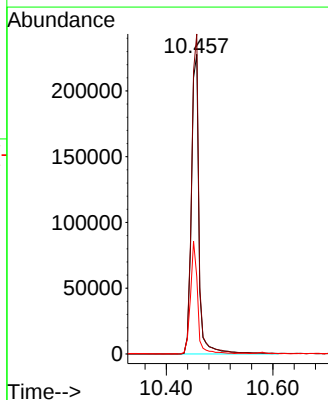
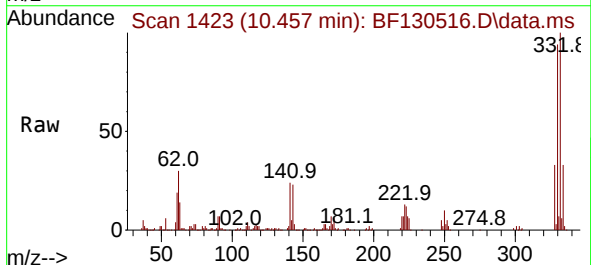
Supervised By :mohammad
ahmed
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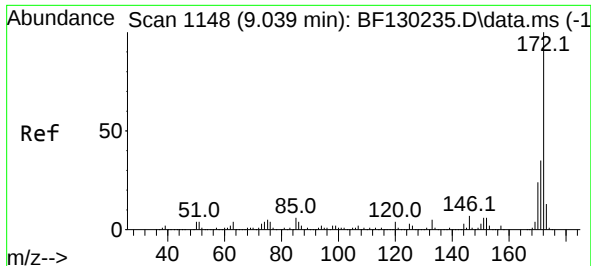
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Supervised By :mohammad
ahmed



#42
2,4,6-Tribromophenol
Concen: 151.980 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Tgt Ion:330 Resp: 224447
Ion Ratio Lower Upper
330 100
332 104.8 83.4 125.2
141 35.9 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 93.534 ng

RT: 8.992 min Scan# 1191

Delta R.T. -0.018 min

Lab File: BF130516.D

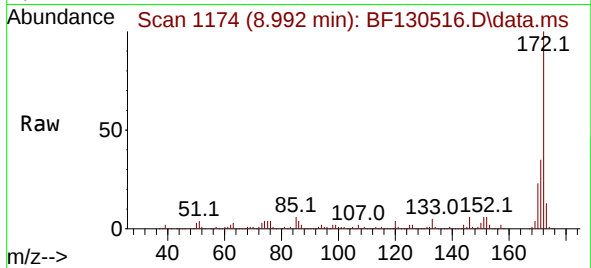
Acq: 04 Oct 2022 14:09

Instrument :

BNA_F

ClientSampleId :

S1



Tgt Ion:172 Resp: 989980

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.3 18.7 28.1

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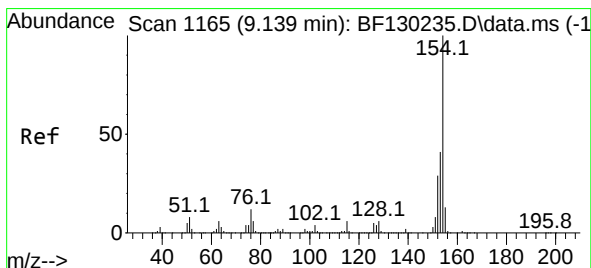
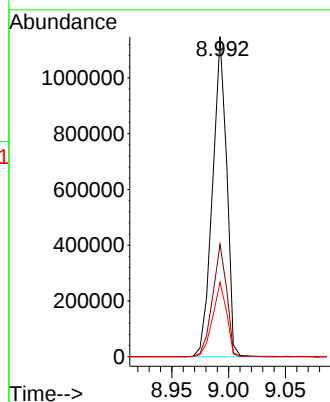
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Upadhyay

Supervised By :mohammad
ahmed
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Supervised By :mohammad
ahmed

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#46

1,1'-Biphenyl

Concen: 2.861 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF130516.D

Acq: 04 Oct 2022 14:09

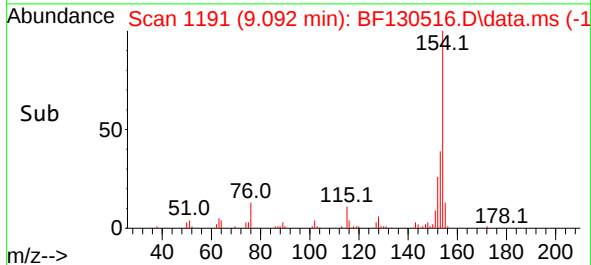
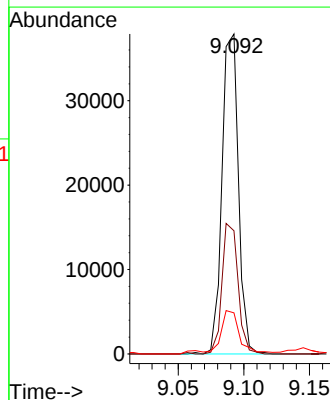
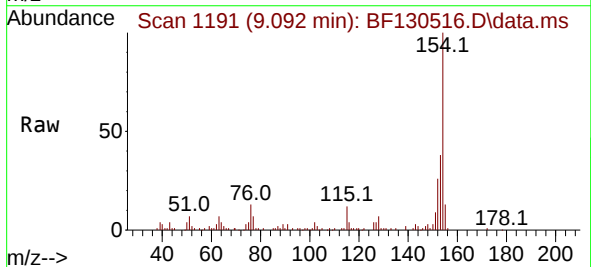
Tgt Ion:154 Resp: 32931

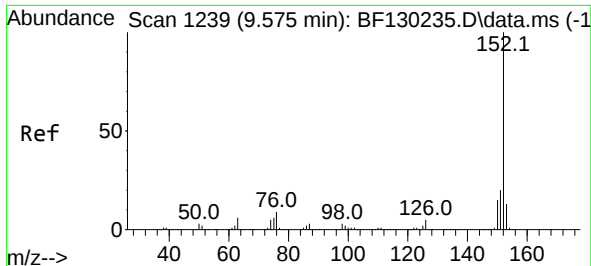
Ion Ratio Lower Upper

154 100

153 38.5 20.0 60.0

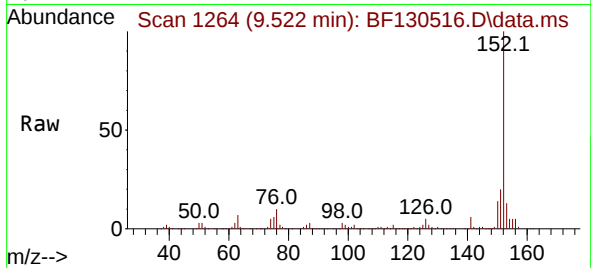
76 12.8 0.0 33.3





#49
Acenaphthylene
Concen: 11.132 ng
RT: 9.522 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



Tgt Ion:152 Resp: 15541
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 13.4 10.6 15.8

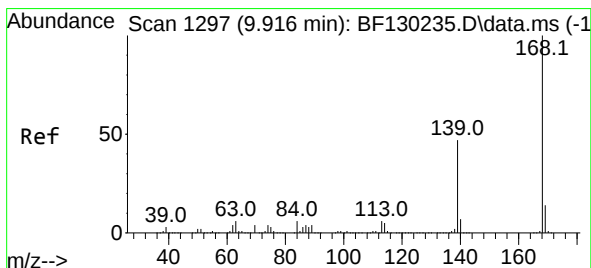
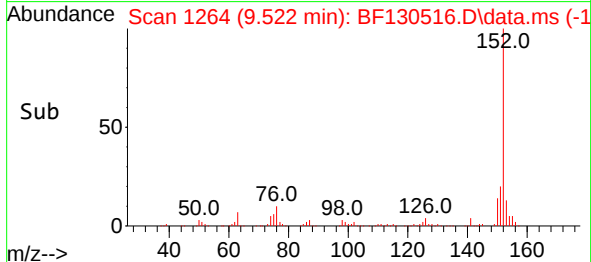
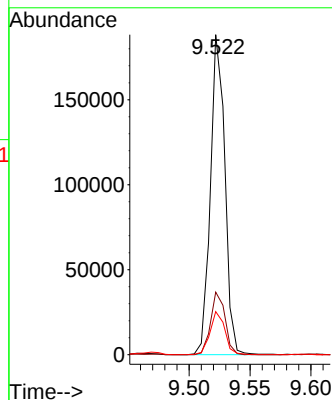
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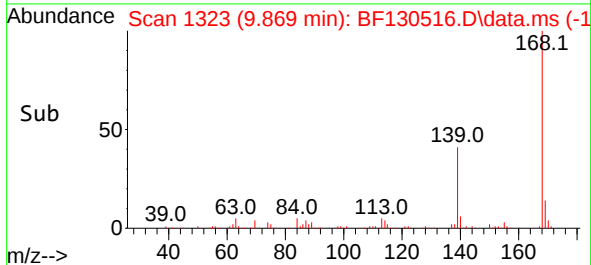
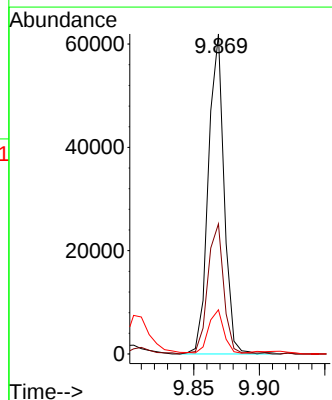
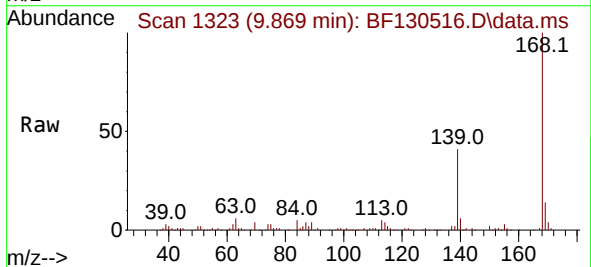
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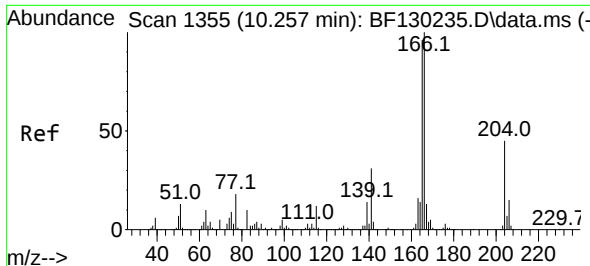
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#55
Dibenzofuran
Concen: 4.044 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.018 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

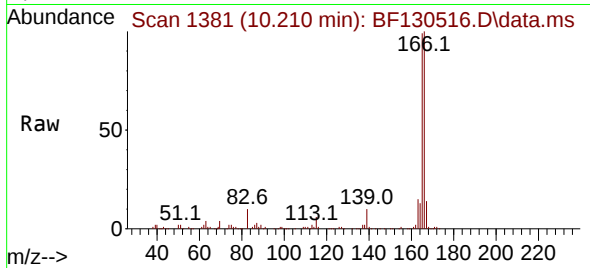
Tgt Ion:168 Resp: 51601
Ion Ratio Lower Upper
168 100
139 40.7 35.0 52.4
169 13.8 10.9 16.3





#58
Fluorene
Concen: 5.861 ng
RT: 10.210 min Scan# 115
Delta R.T. -0.018 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



Tgt Ion:166 Resp: 61152
Ion Ratio Lower Upper
166 100
165 99.2 78.8 118.2
167 13.8 10.6 15.8

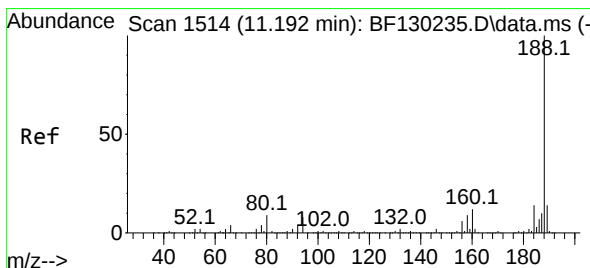
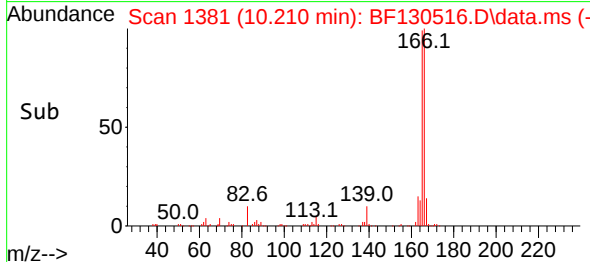
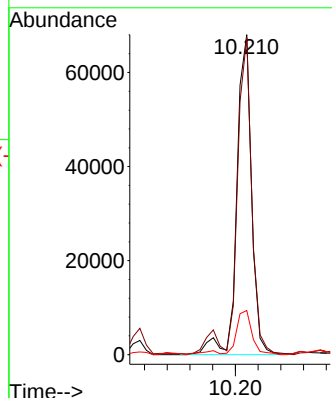
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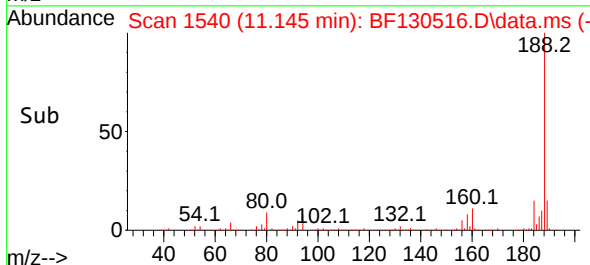
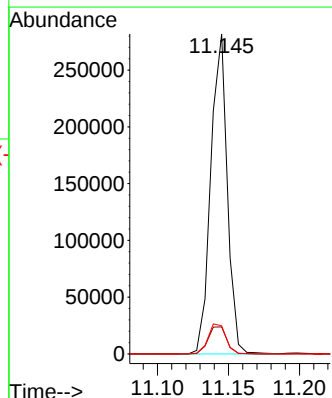
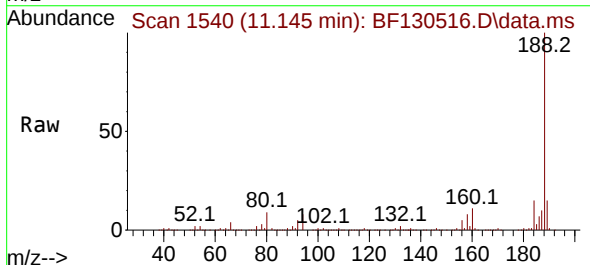
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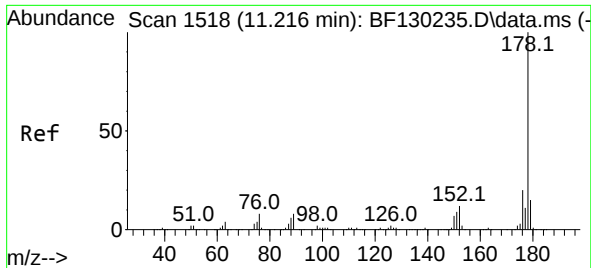
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

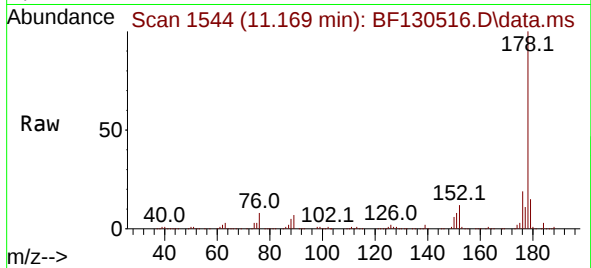
Tgt Ion:188 Resp: 227391
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 8.8 7.9 11.9





#71
Phenanthrene
Concen: 9.250 ng
RT: 11.169 min Scan# 1518
Delta R.T. -0.018 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



Tgt Ion:178 Resp: 118089
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 14.6 12.4 18.6

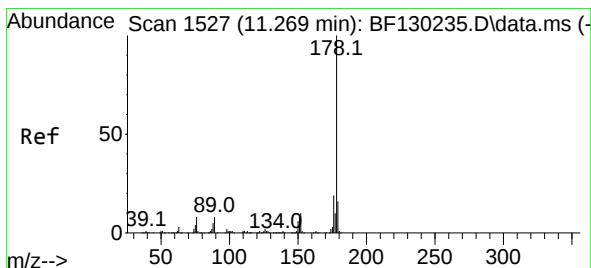
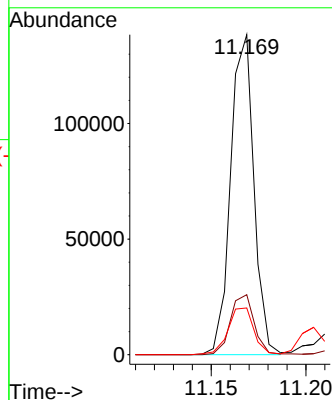
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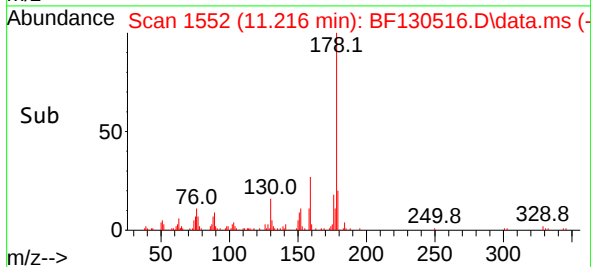
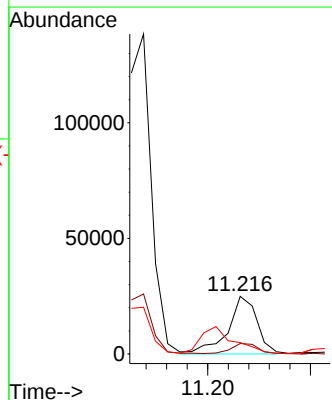
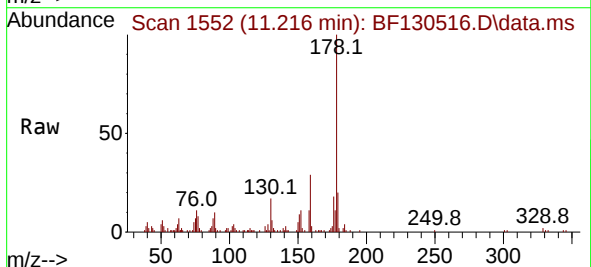
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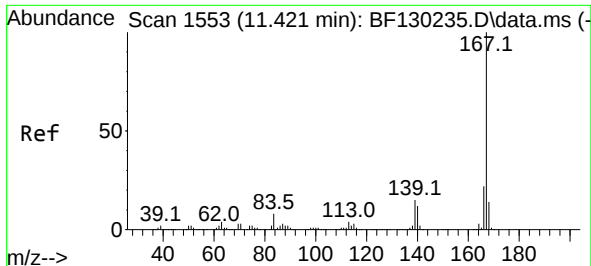
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#72
Anthracene
Concen: 2.004 ng m
RT: 11.216 min Scan# 1552
Delta R.T. -0.018 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

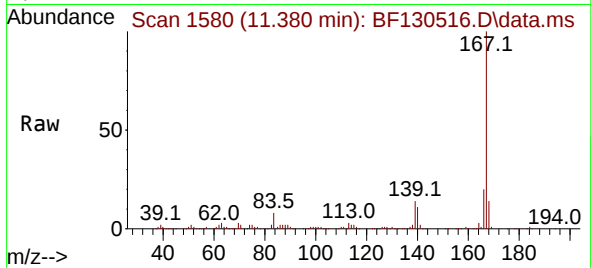
Tgt Ion:178 Resp: 24688
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 19.7 12.7 19.1#





#73
 Carbazole
 Concen: 18.449 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF130516.D
 Acq: 04 Oct 2022 14:09

Instrument :
 BNA_F
 ClientSampleId :
 S1



Tgt Ion:167 Resp: 20512
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.4 26.2
 139 13.5 11.6 17.4

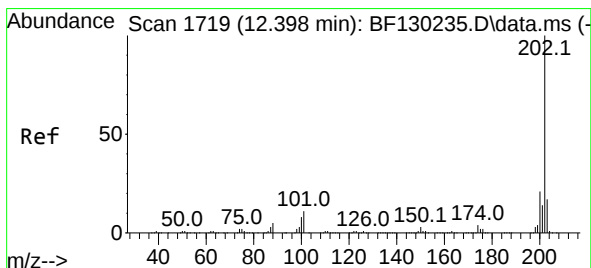
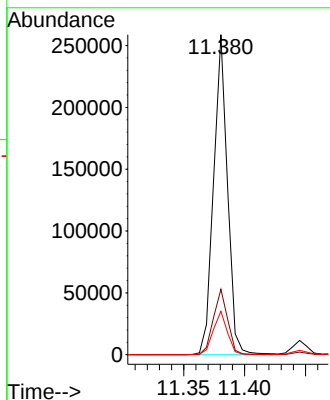
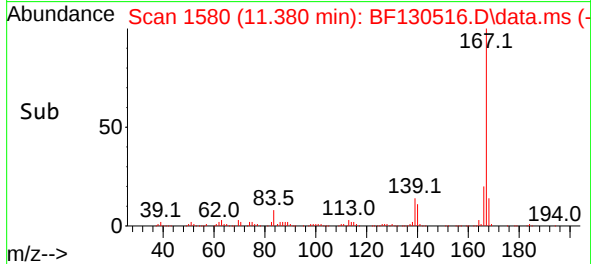
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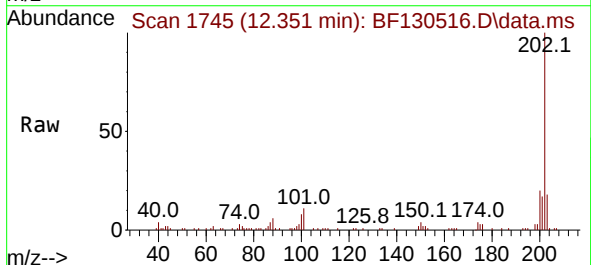
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 Supervised By :mohammad
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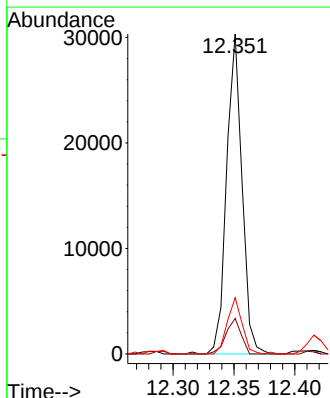
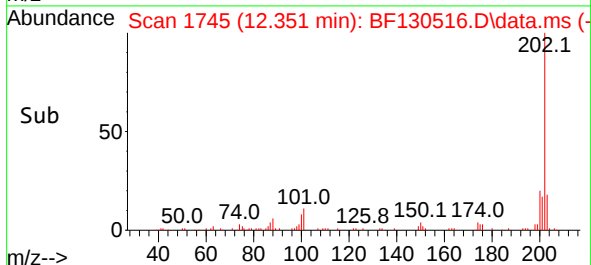
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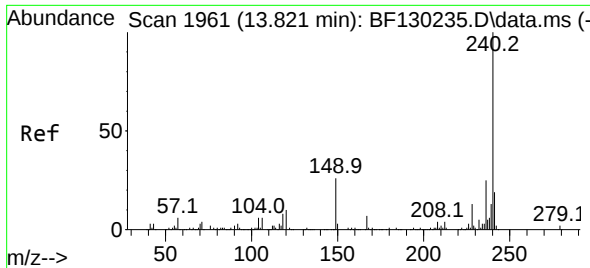


#75
 Fluoranthene
 Concen: 2.163 ng
 RT: 12.351 min Scan# 1745
 Delta R.T. -0.018 min
 Lab File: BF130516.D
 Acq: 04 Oct 2022 14:09



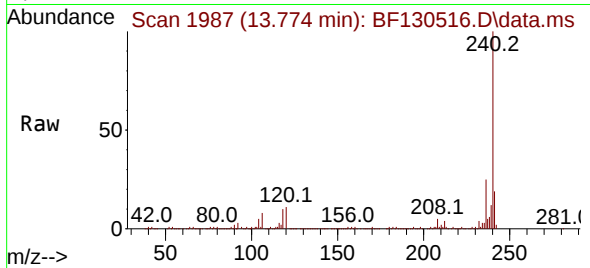
Tgt Ion:202 Resp: 26685
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.8
 203 17.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.774 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

Instrument :
BNA_F
ClientSampleId :
S1



Tgt Ion:240 Resp: 150574
Ion Ratio Lower Upper
240 100
120 11.2 8.7 13.1
236 25.4 20.9 31.3

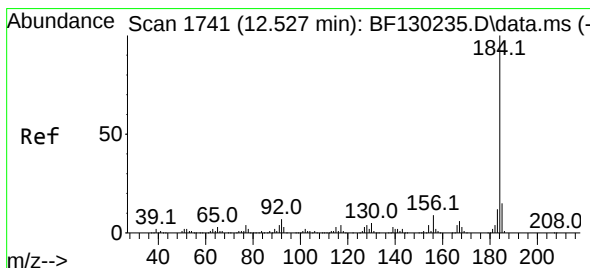
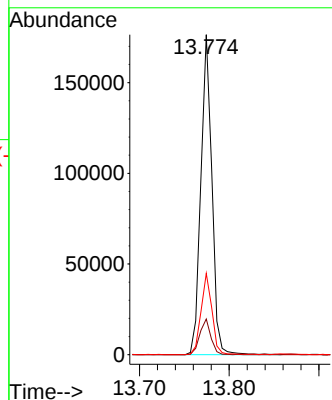
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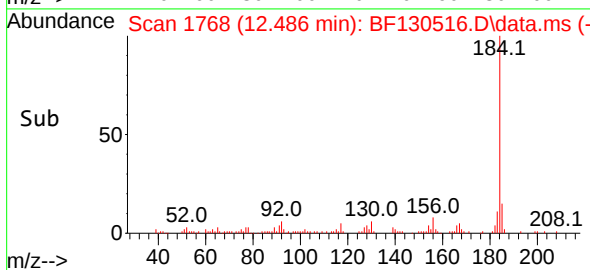
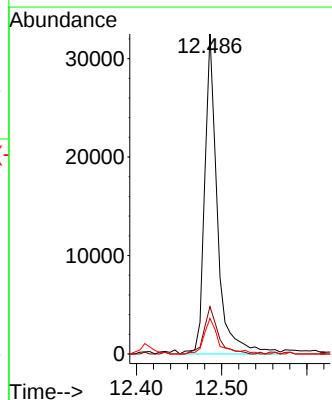
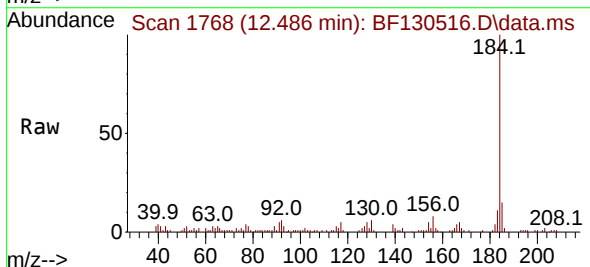
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ahmed

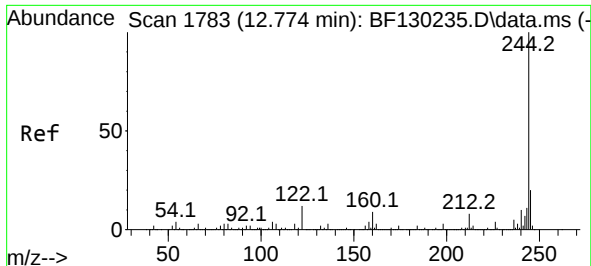
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#77
Benzidine
Concen: 7.716 ng
RT: 12.486 min Scan# 1768
Delta R.T. -0.012 min
Lab File: BF130516.D
Acq: 04 Oct 2022 14:09

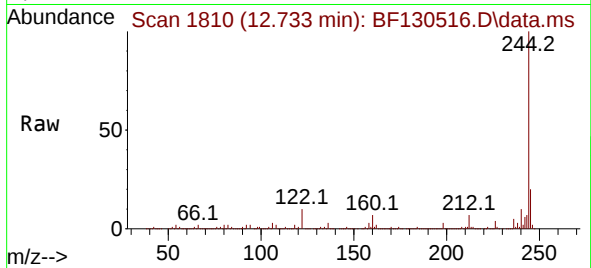
Tgt Ion:184 Resp: 33727
Ion Ratio Lower Upper
184 100
185 14.8 11.8 17.6
183 11.1 9.1 13.7





#79
 Terphenyl-d14
 Concen: 98.532 ng
 RT: 12.733 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF130516.D
 Acq: 04 Oct 2022 14:09

Instrument :
 BNA_F
 ClientSampleId :
 S1



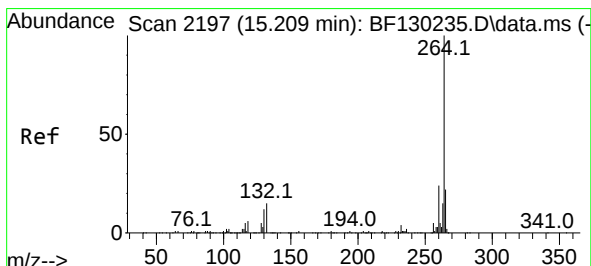
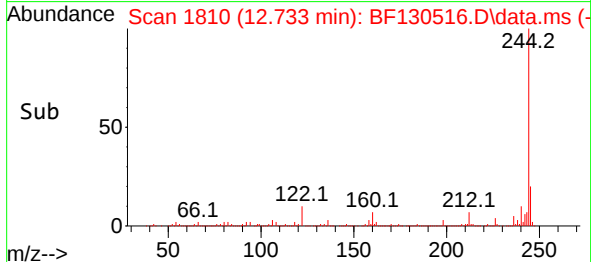
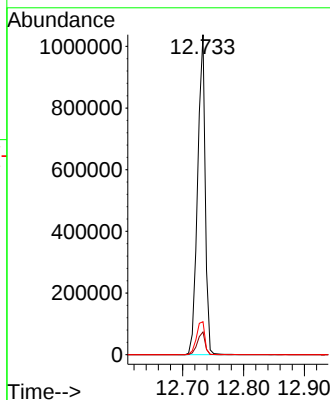
Tgt Ion:244 Resp: 895648
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.3 8.5 12.7

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 ahmed
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.163 min Scan# 2223
 Delta R.T. -0.012 min
 Lab File: BF130516.D
 Acq: 04 Oct 2022 14:09

Tgt Ion:264 Resp: 176972
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.3 28.9
 265 21.3 17.0 25.4

