

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
 Data File : BF134522.D
 Acq On : 28 Jul 2023 18:50
 Operator : CG\JU
 Sample : 03773-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-072523

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

07/29/2023
 Supervised By :mohammad
 ahmed

Quant Time: Jul 28 19:11:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 27 12:16:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	81417	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	300353	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	126585	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	169592	20.000	ng	0.00
76) Chrysene-d12	14.022	240	115512	20.000	ng	0.00
86) Perylene-d12	15.521	264	103904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	187022	37.952	ng	0.00
7) Phenol-d6	6.469	99	211155	34.974	ng	0.00
23) Nitrobenzene-d5	7.393	82	107990	18.191	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	34866	19.386	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	192593	19.974	ng	0.00
79) Terphenyl-d14	12.951	244	154933	23.414	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.892	154	26111	3.402	ng	98
55) Dibenzofuran	10.069	168	23798	2.014	ng	# 93
58) Fluorene	10.416	166	34185	3.587	ng	97
71) Phenanthrene	11.386	178	310629	35.056	ng	97
72) Anthracene	11.433	178	69118	7.558	ng	99
73) Carbazole	11.598	167	32804	3.809	ng	98
75) Fluoranthene	12.580	202	386845	37.460	ng	99
78) Pyrene	12.810	202	345725	37.642	ng	99
81) Benzo(a)anthracene	14.010	228	151708	18.825	ng	98
83) Chrysene	14.045	228	139057	18.040	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	48631	7.164	ng	99
88) Benzo(b)fluoranthene	15.080	252	144992m	22.306	ng	
89) Benzo(k)fluoranthene	15.104	252	35421m	5.541	ng	
90) Benzo(a)pyrene	15.457	252	97674	16.256	ng	95
91) Dibenzo(a,h)anthracene	17.074	278	15915m	2.903	ng	
92) Benzo(g,h,i)perylene	17.533	276	46698	8.296	ng	94

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

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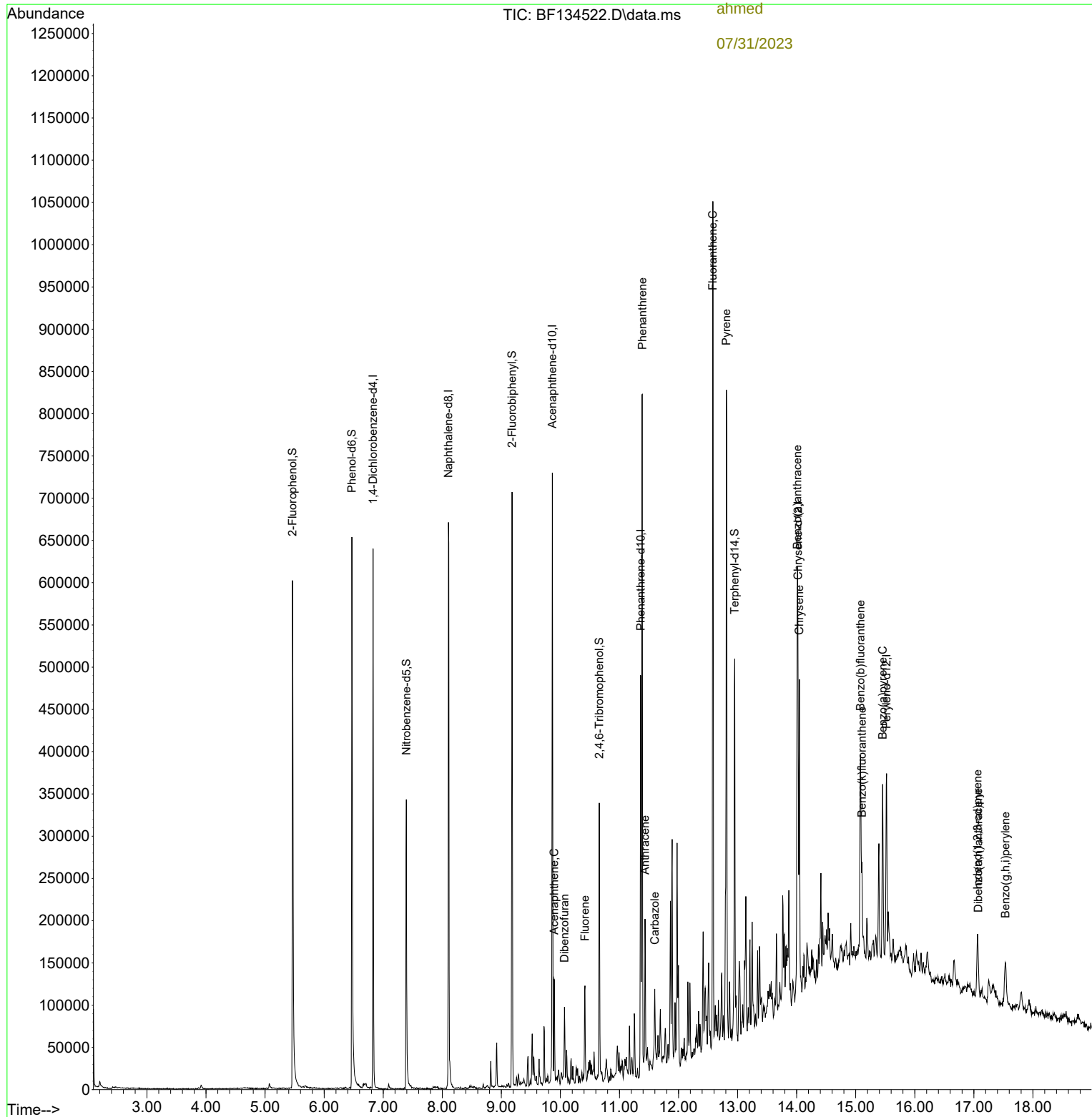
Quant Time: Jul 28 19:11:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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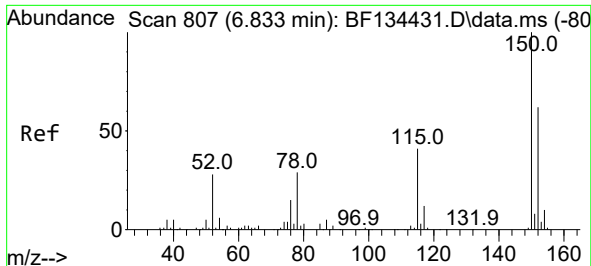
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Patel

07/29/2023
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ahmed

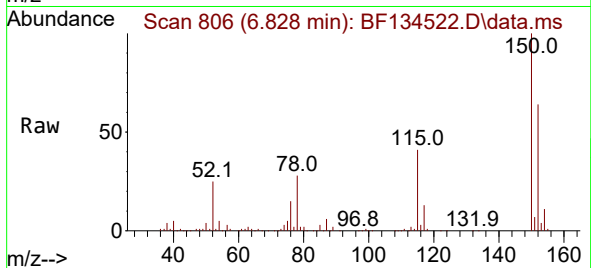
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :
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ClientSampleId :
OR-02-072523



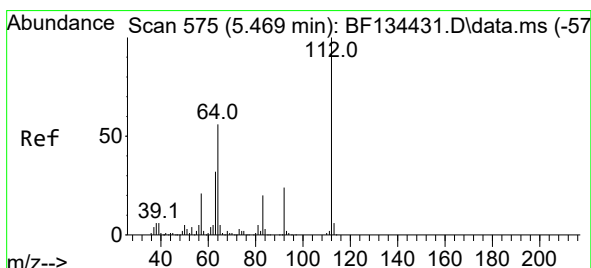
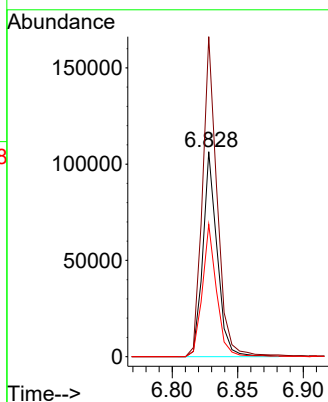
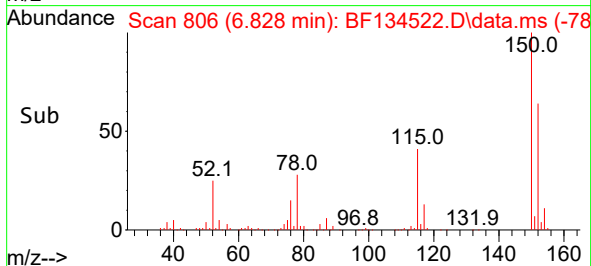
Tgt Ion:152 Resp: 8141
Ion Ratio Lower Upper
152 100
150 156.1 128.3 192.5
115 64.6 52.4 78.6

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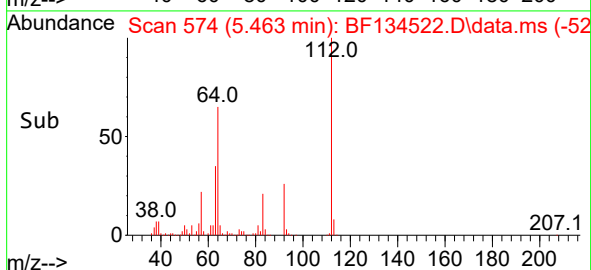
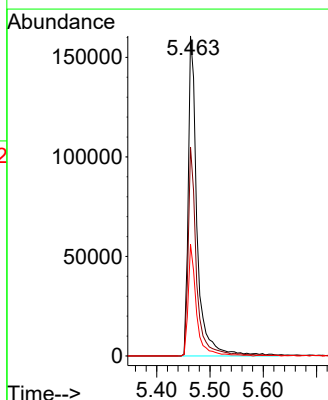
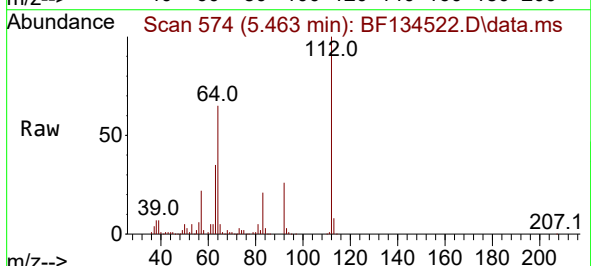
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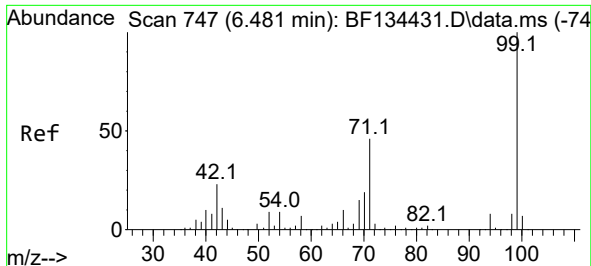
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#5
2-Fluorophenol
Concen: 37.952 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

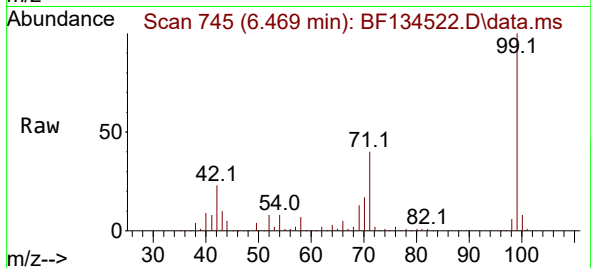
Tgt Ion:112 Resp: 187022
Ion Ratio Lower Upper
112 100
64 65.3 44.9 67.3
63 34.9 25.4 38.0





#7
Phenol-d6
Concen: 34.974 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :
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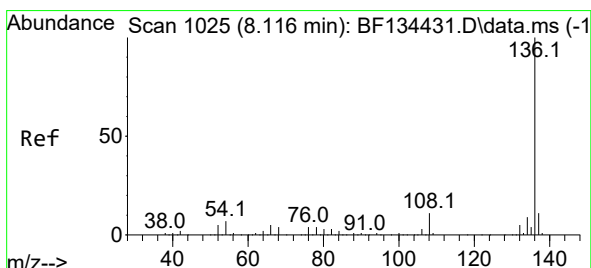
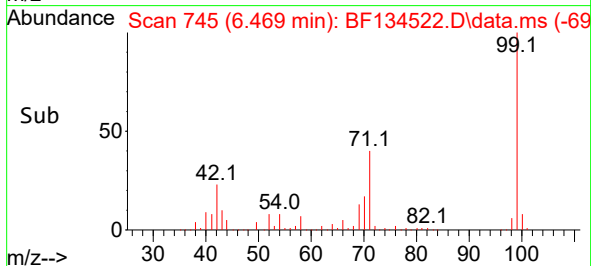
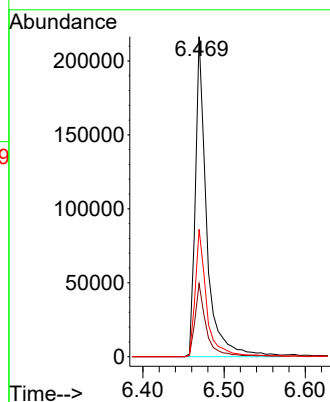
Tgt Ion: 99 Resp: 21115
Ion Ratio Lower Upper
99 100
42 22.9 18.7 28.1
71 39.8 36.4 54.6

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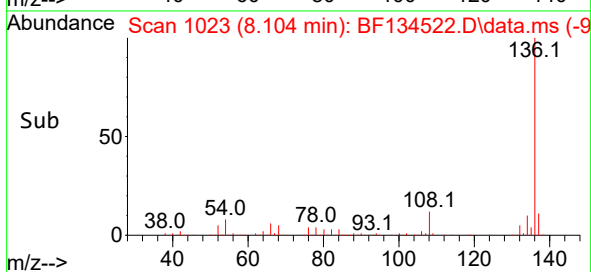
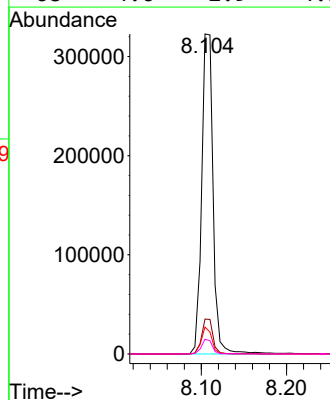
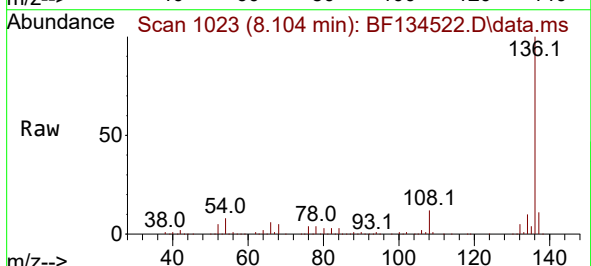
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Supervised By :mohammad
ahmed

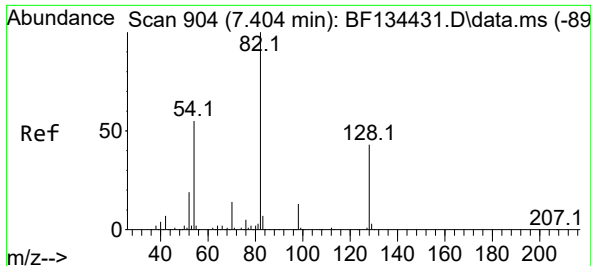
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Tgt Ion:136 Resp: 300353
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.4 5.2 7.8#
68 4.6 2.9 4.3#





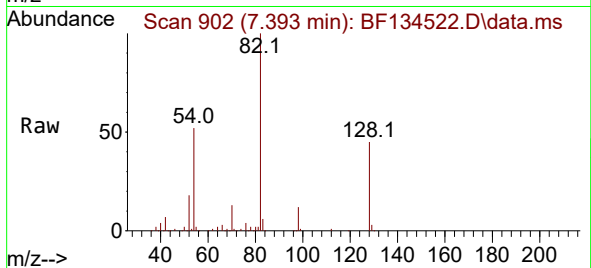
#23
Nitrobenzene-d5
Concen: 18.191 ng
RT: 7.393 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :

BNA_F

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Tgt Ion: 82 Resp: 107990
Ion Ratio Lower Upper
82 100
128 45.0 34.3 51.5
54 51.9 43.8 65.6

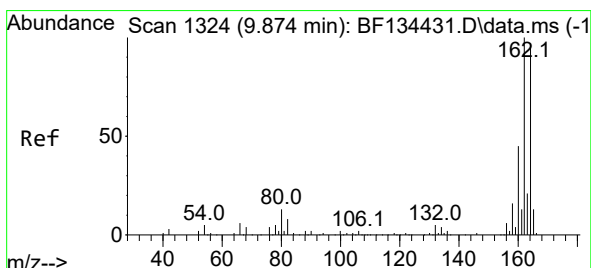
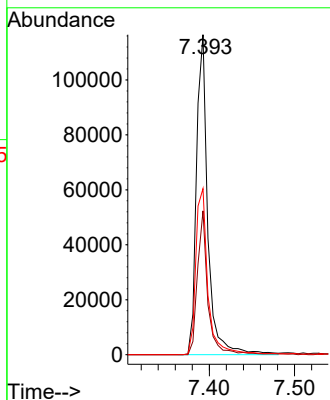
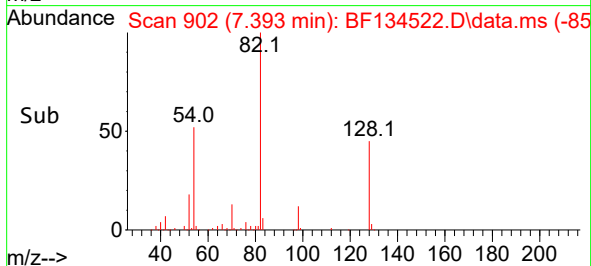
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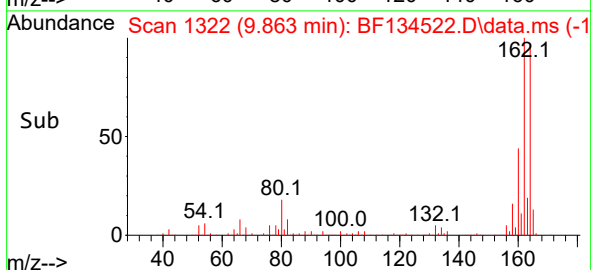
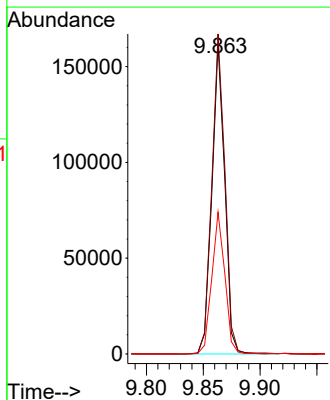
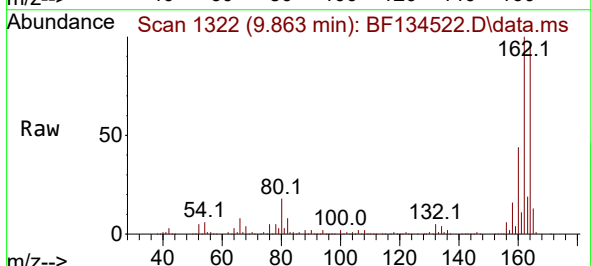
Supervised By :mohammad
ahmed

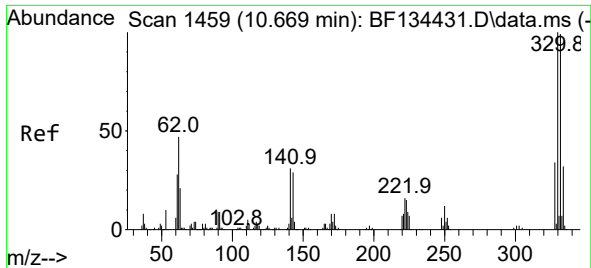
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Tgt Ion:164 Resp: 126585
Ion Ratio Lower Upper
164 100
162 103.2 82.6 123.8
160 45.7 37.2 55.8





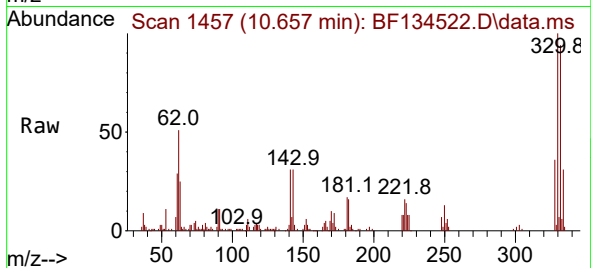
#42
2,4,6-Tribromophenol
Concen: 19.386 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 330 Resp: 34860
Ion Ratio Lower Upper
330 100
332 95.8 78.8 118.2
141 35.3 25.4 38.2

Manual Integrations

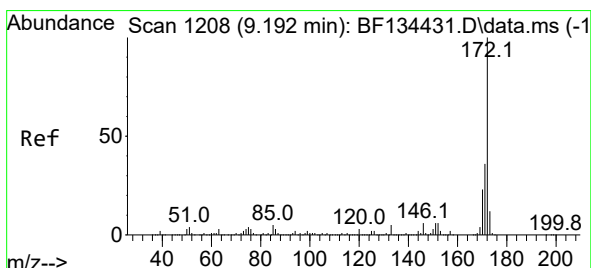
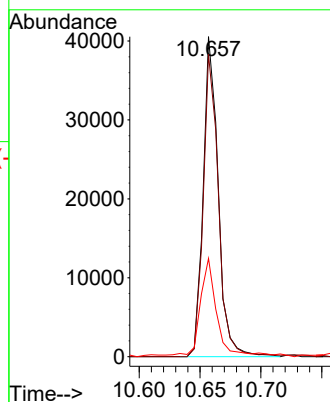
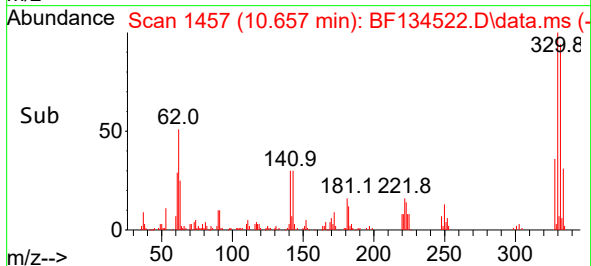
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Reviewed By : Yogesh
Patel

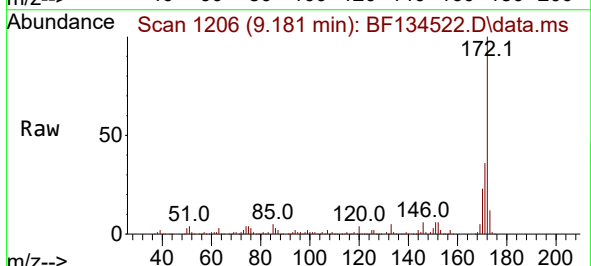
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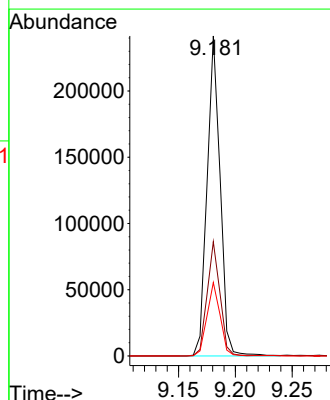
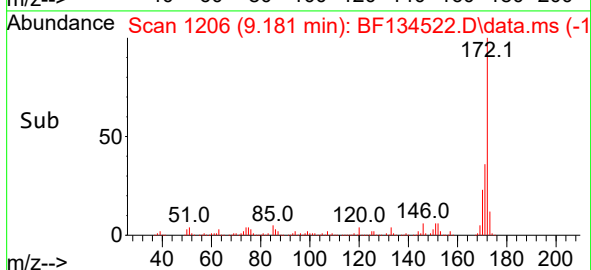
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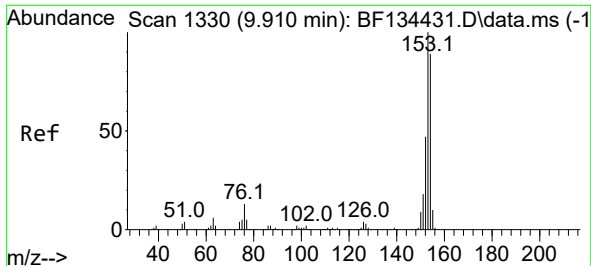


#45
2-Fluorobiphenyl
Concen: 19.974 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50



Tgt Ion: 172 Resp: 192593
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 22.9 18.7 28.1





#52
Acenaphthene
Concen: 3.402 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :

BNA_F

ClientSampleId :

OR-02-072523

Tgt Ion:154 Resp: 2611
Ion Ratio Lower Upper
154 100
153 110.3 90.0 135.0
152 52.5 42.4 63.6

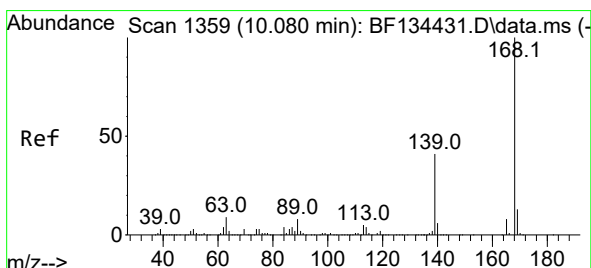
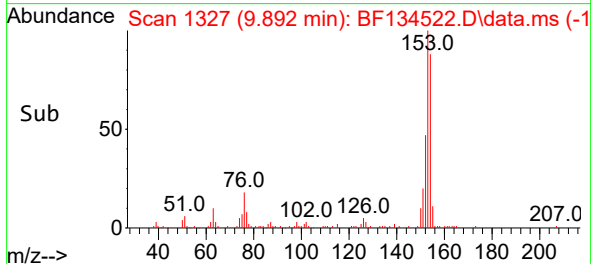
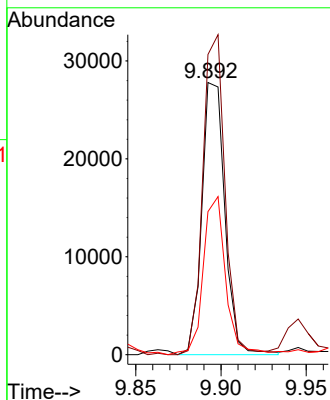
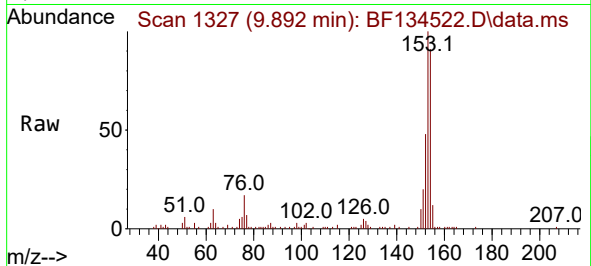
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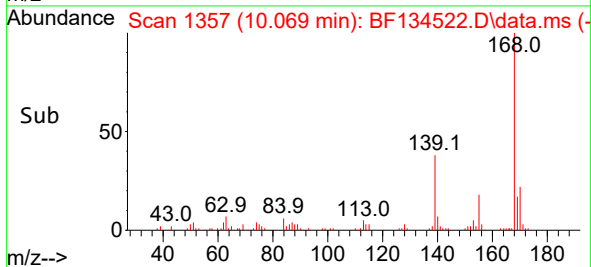
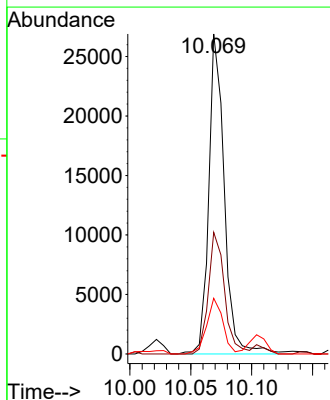
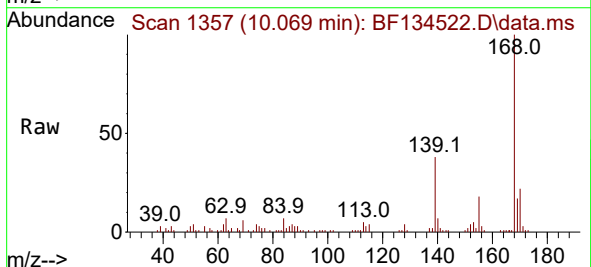
Supervised By :mohammad
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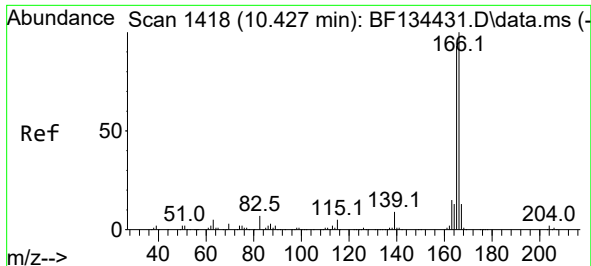
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#55
Dibenzofuran
Concen: 2.014 ng
RT: 10.069 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

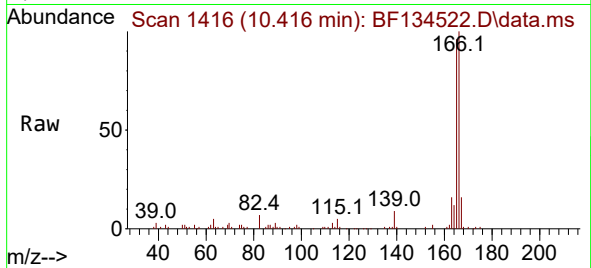
Tgt Ion:168 Resp: 23798
Ion Ratio Lower Upper
168 100
139 38.0 33.4 50.2
169 17.4 10.6 15.8#





#58
Fluorene
Concen: 3.587 ng
RT: 10.416 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :
BNA_F
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OR-02-072523



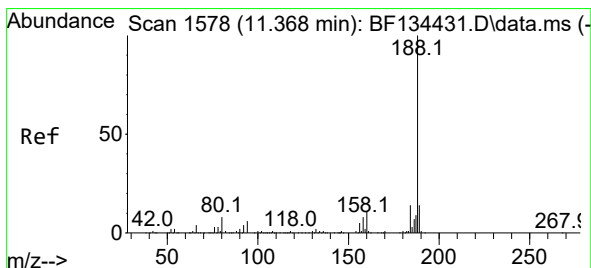
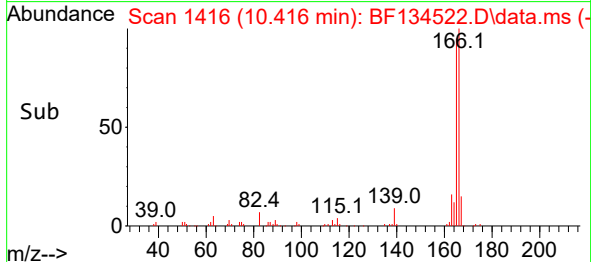
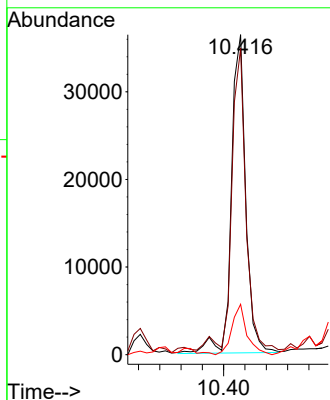
Tgt Ion:166 Resp: 34185
Ion Ratio Lower Upper
166 100
165 95.7 74.5 111.7
167 15.7 10.6 16.0

Manual Integrations
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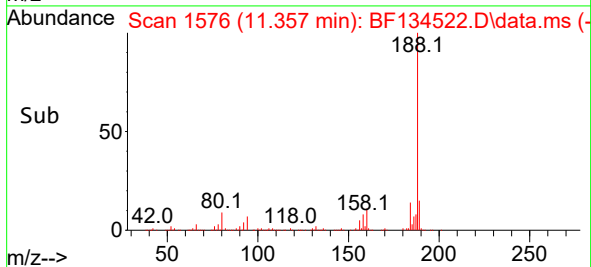
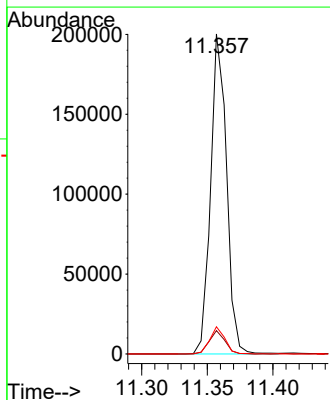
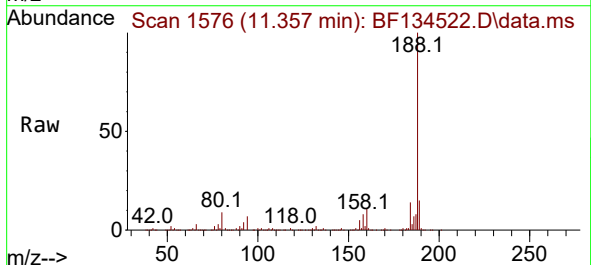
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ahmed

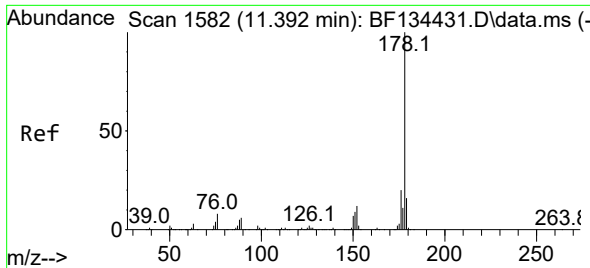
07/31/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Tgt Ion:188 Resp: 169592
Ion Ratio Lower Upper
188 100
94 7.3 5.1 7.7
80 8.5 6.6 9.8





#71
Phenanthrene
Concen: 35.056 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :
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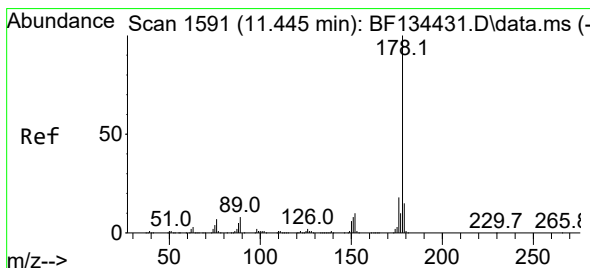
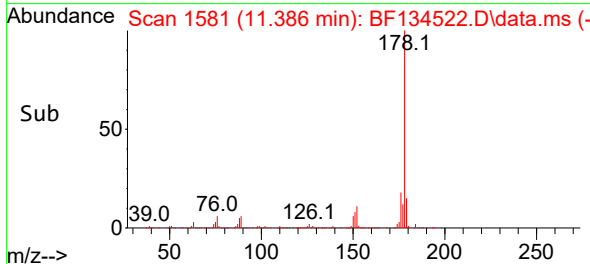
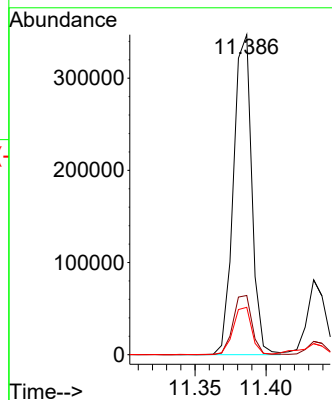
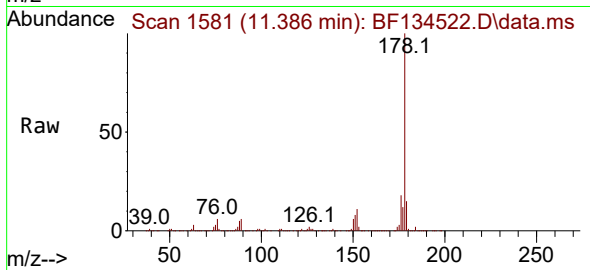
Tgt Ion:178 Resp: 310629
Ion Ratio Lower Upper
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176 18.5 15.8 23.6
179 14.8 12.7 19.1

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Patel

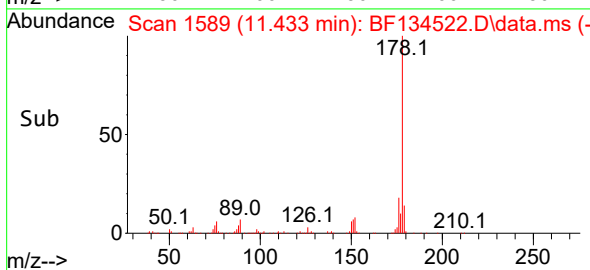
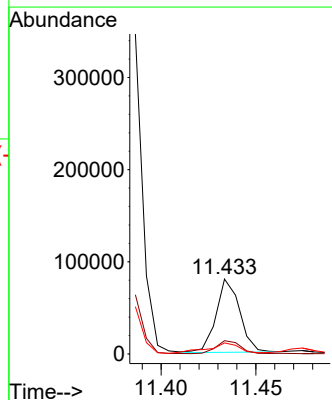
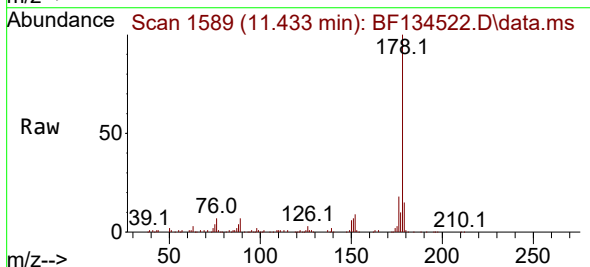
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Supervised By :mohammad
ahmed

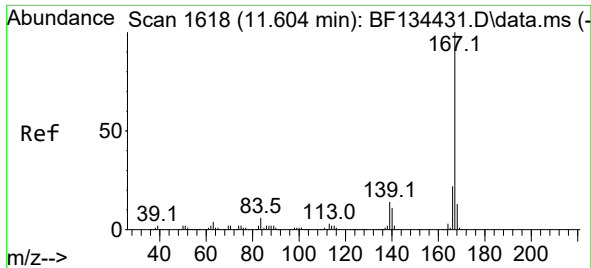
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#72
Anthracene
Concen: 7.558 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

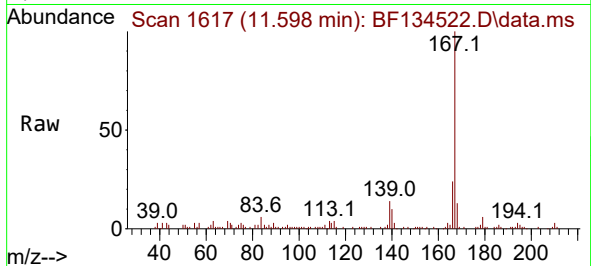
Tgt Ion:178 Resp: 69118
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 14.8 12.3 18.5





#73
 Carbazole
 Concen: 3.809 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. 0.000 min
 Lab File: BF134522.D
 Acq: 28 Jul 2023 18:50

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-072523



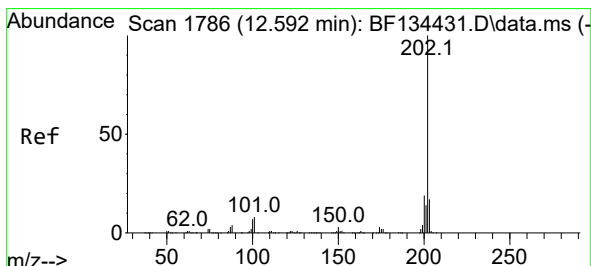
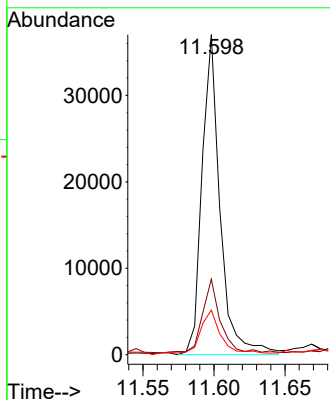
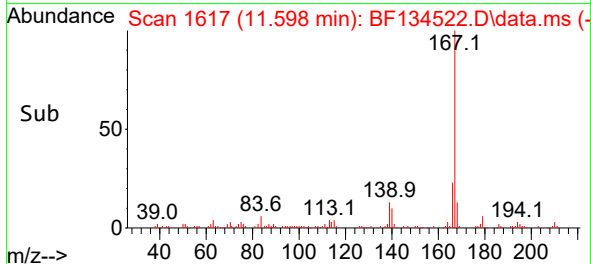
Tgt Ion:167 Resp: 32804
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.5 26.3
 139 14.0 11.0 16.4

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 Patel

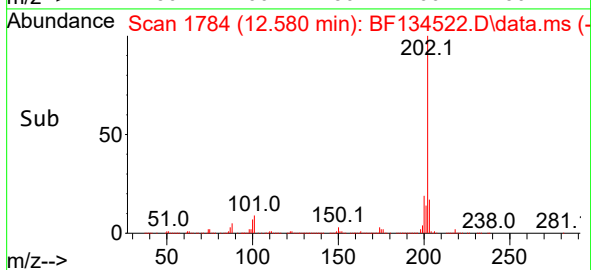
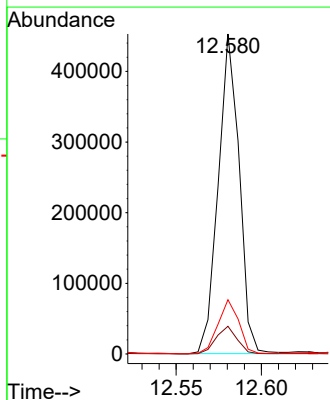
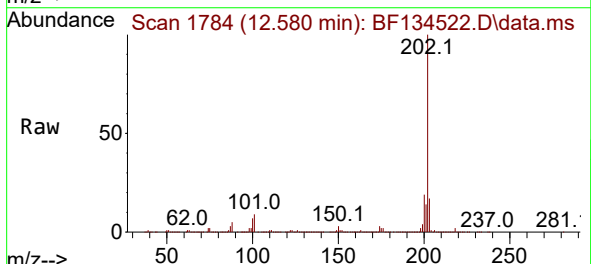
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 Supervised By :mohammad
 ahmed

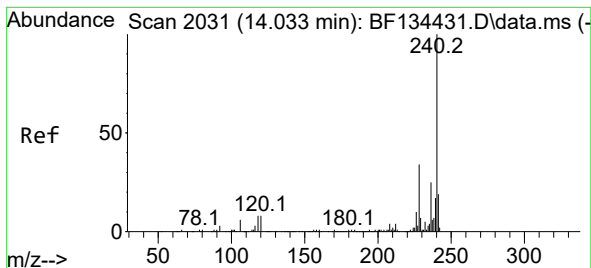
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#75
 Fluoranthene
 Concen: 37.460 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: BF134522.D
 Acq: 28 Jul 2023 18:50

Tgt Ion:202 Resp: 386845
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 28.5
 203 16.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.022 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF134522.D

Acq: 28 Jul 2023 18:50

Instrument :

BNA_F

ClientSampleId :

OR-02-072523

Tgt Ion:240 Resp: 11551

Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.6	10.0
236	26.2	20.2	30.2

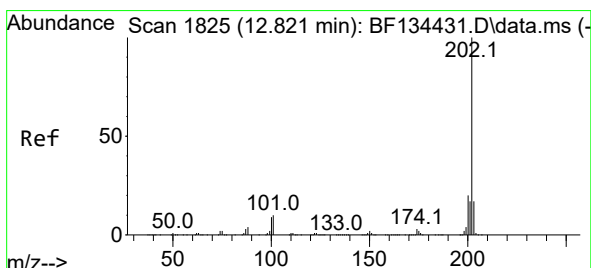
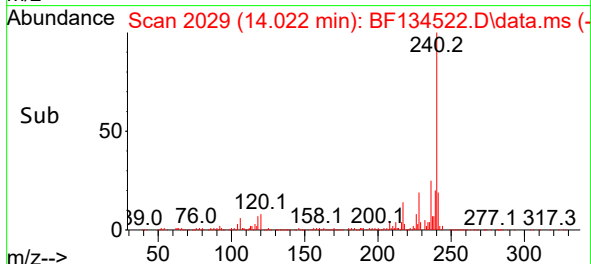
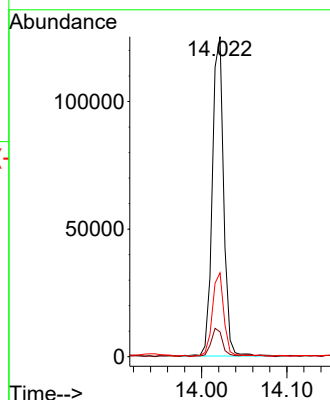
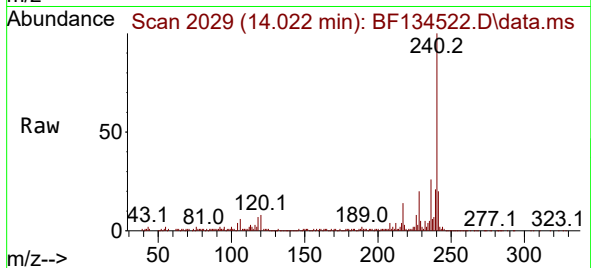
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ahmed

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#78

Pyrene

Concen: 37.642 ng

RT: 12.810 min Scan# 1823

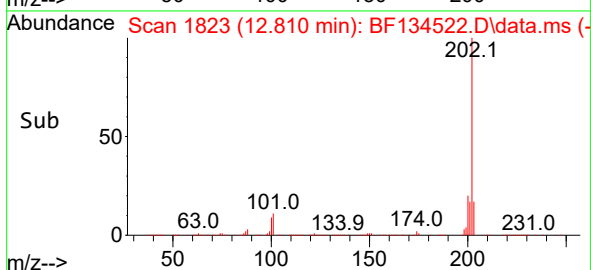
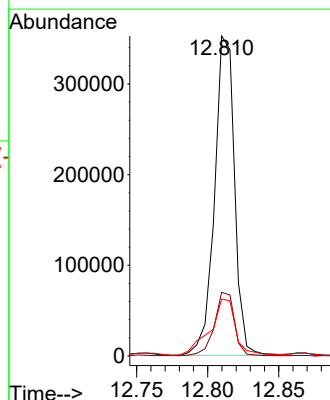
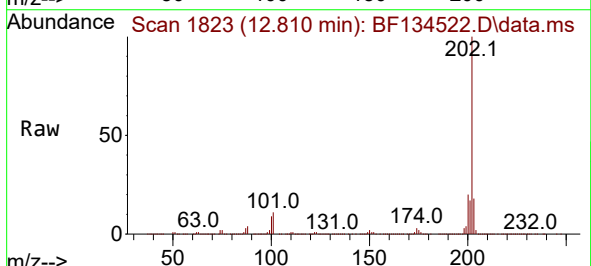
Delta R.T. 0.000 min

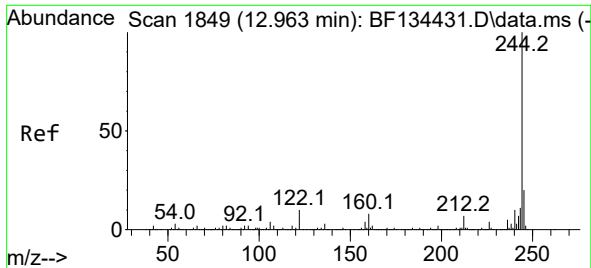
Lab File: BF134522.D

Acq: 28 Jul 2023 18:50

Tgt Ion:202 Resp: 345725

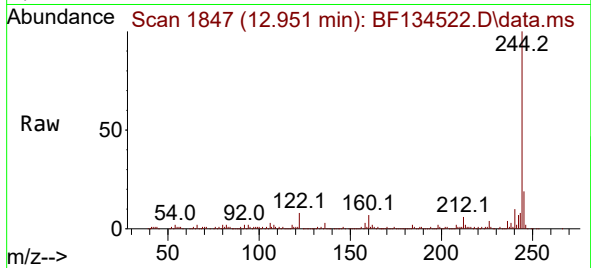
Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.8	23.8
203	17.8	13.5	20.3





#79
 Terphenyl-d14
 Concen: 23.414 ng
 RT: 12.951 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF134522.D
 Acq: 28 Jul 2023 18:50

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-072523



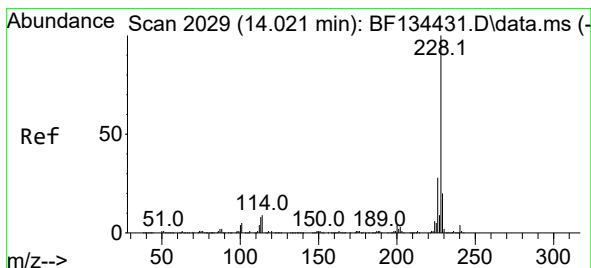
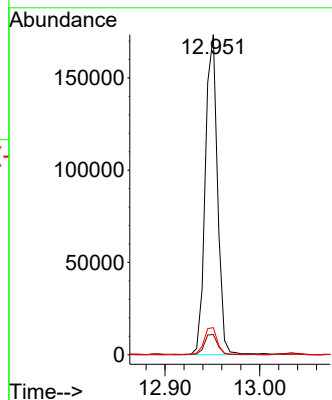
Tgt Ion:244 Resp: 15493
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 8.4 8.0 12.0

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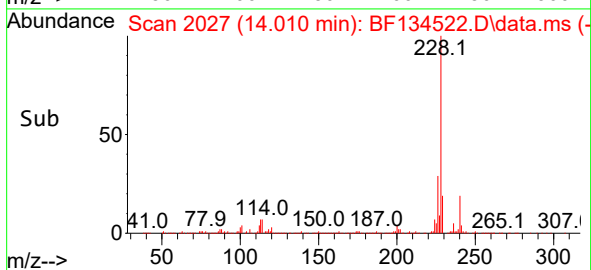
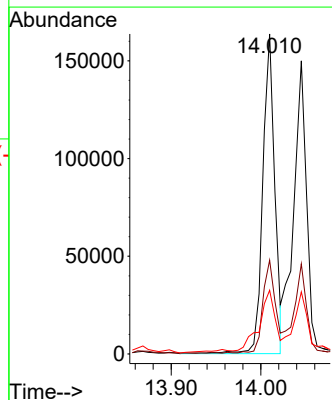
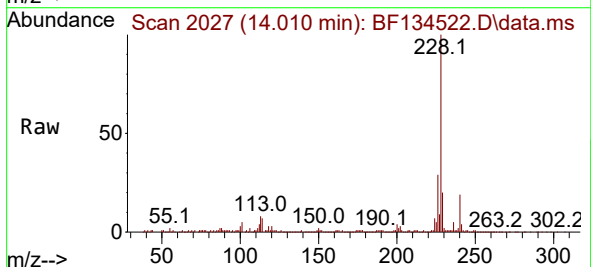
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 Supervised By :mohammad
 ahmed

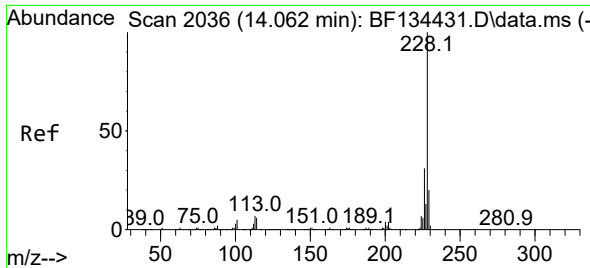
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#81
 Benzo(a)anthracene
 Concen: 18.825 ng
 RT: 14.010 min Scan# 2027
 Delta R.T. 0.000 min
 Lab File: BF134522.D
 Acq: 28 Jul 2023 18:50

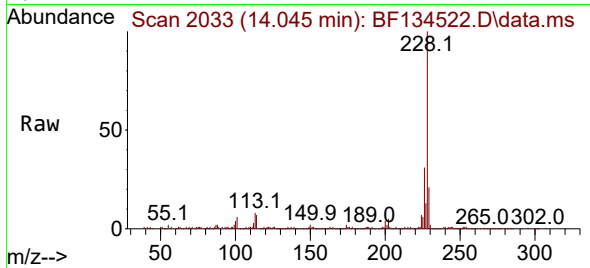
Tgt Ion:228 Resp: 151708
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.3 33.5
 229 19.9 15.8 23.6





#83
Chrysene
Concen: 18.040 ng
RT: 14.045 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :
BNA_F
ClientSampleId :
OR-02-072523



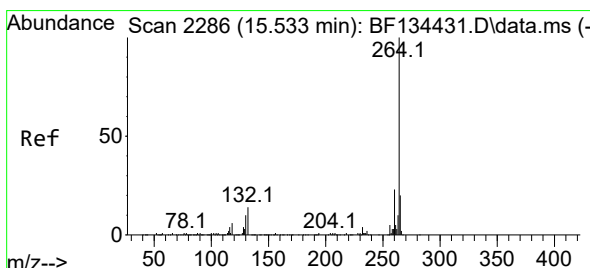
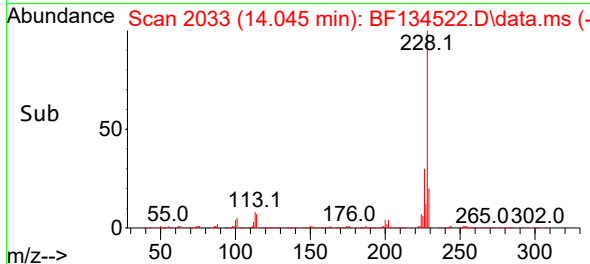
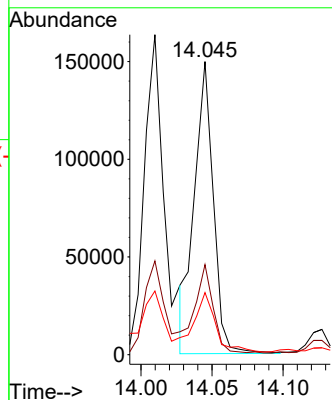
Tgt Ion:228 Resp: 13905
Ion Ratio Lower Upper
228 100
226 30.7 24.5 36.7
229 21.2 15.8 23.8

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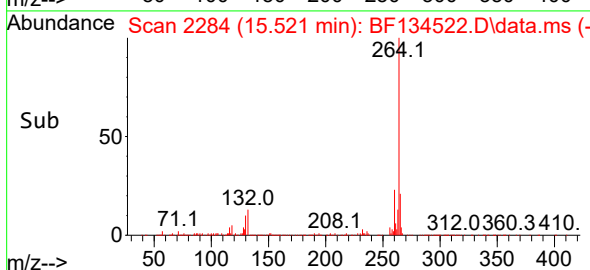
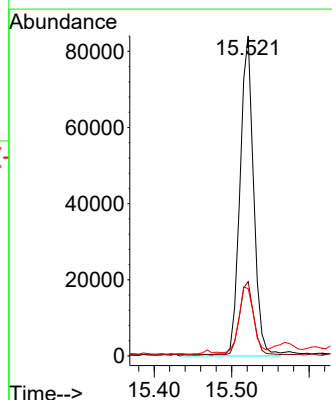
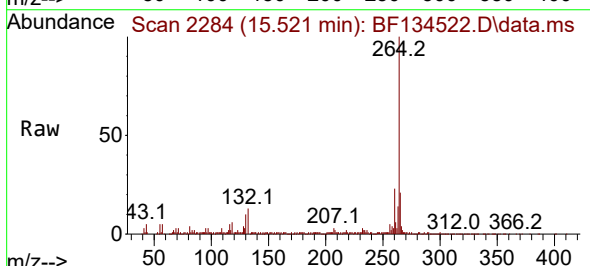
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Supervised By :mohammad
ahmed

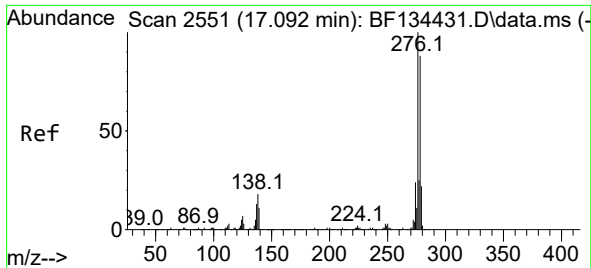
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Tgt Ion:264 Resp: 103904
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 21.1 15.8 23.8





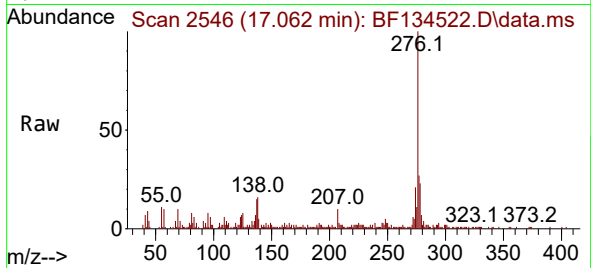
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.164 ng
RT: 17.062 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :

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ClientSampleId :

OR-02-072523



Tgt Ion:276 Resp: 4863
Ion Ratio Lower Upper
276 100
138 17.0 14.2 21.4
277 25.0 19.9 29.9

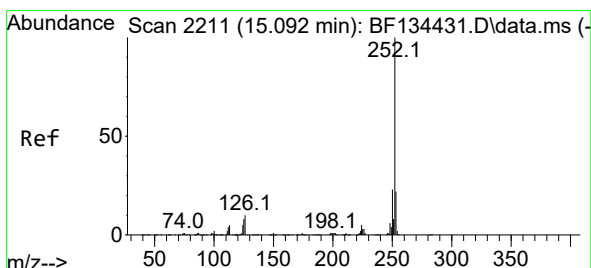
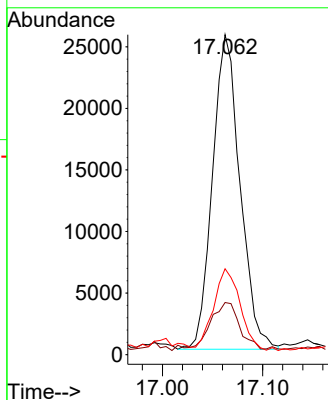
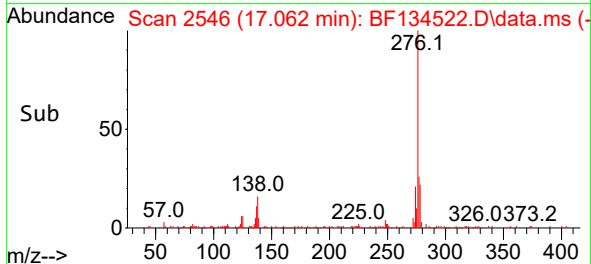
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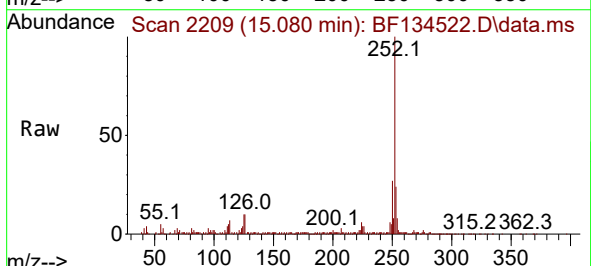
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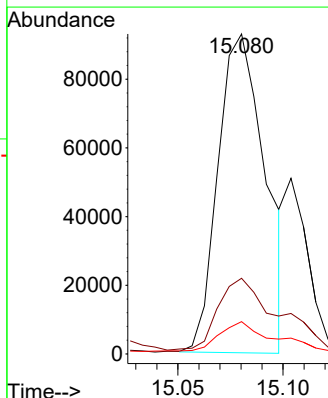
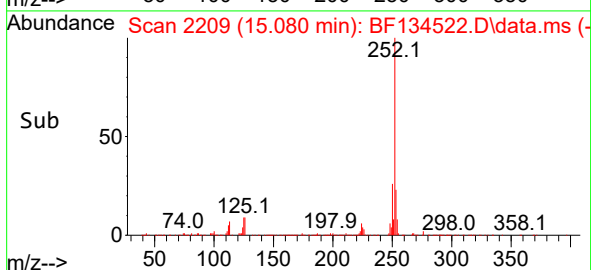
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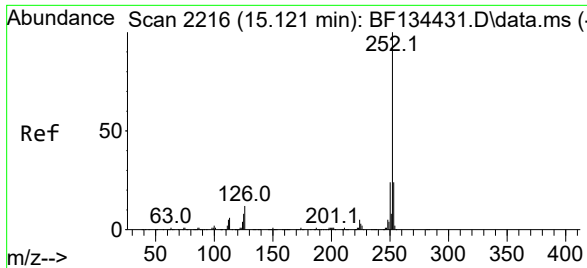


#88
Benzo(b)fluoranthene
Concen: 22.306 ng m
RT: 15.080 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50



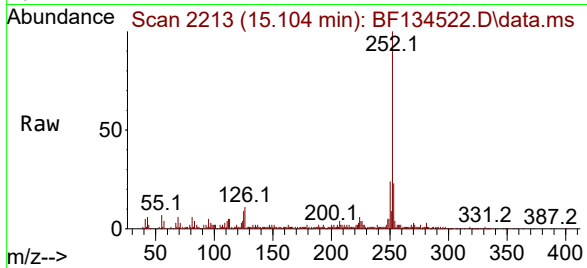
Tgt Ion:252 Resp: 144992
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 10.1 6.0 9.0#





#89
Benzo(k)fluoranthene
Concen: 5.541 ng m
RT: 15.104 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :
BNA_F
ClientSampleId :
OR-02-072523



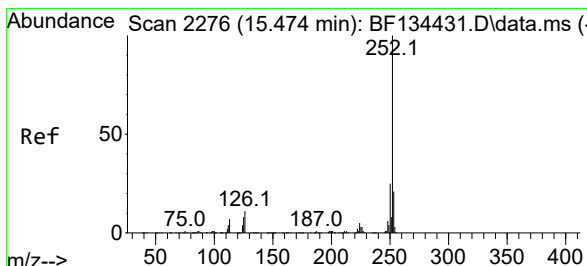
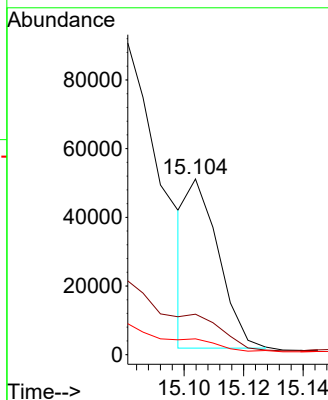
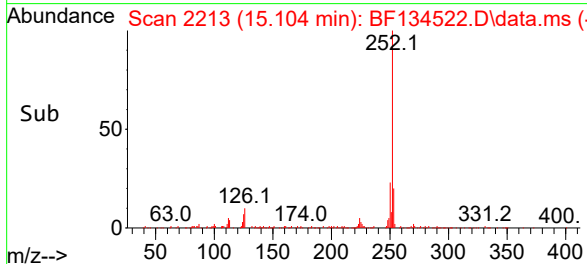
Tgt Ion:252 Resp: 3542
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 9.0 6.3 9.5

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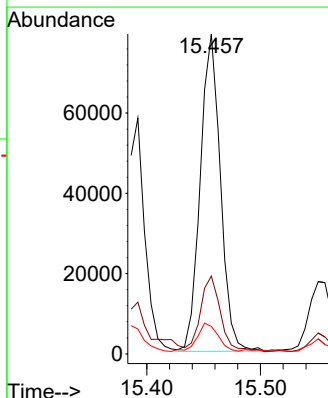
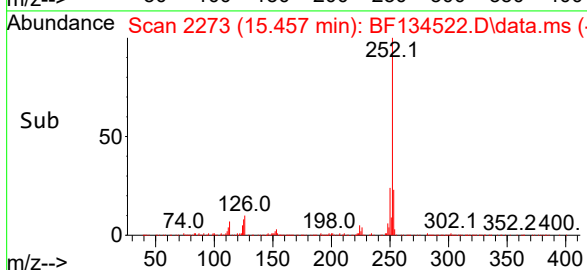
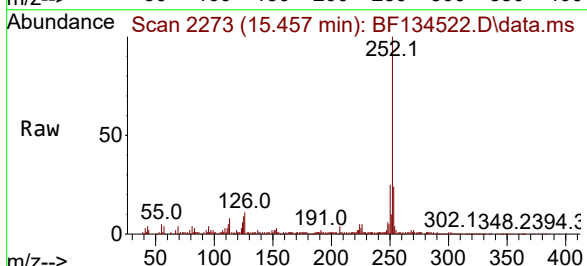
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Supervised By :mohammad
ahmed

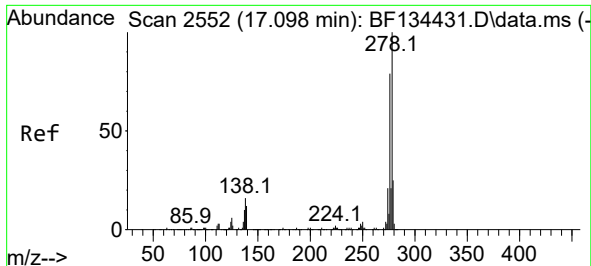
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#90
Benzo(a)pyrene
Concen: 16.256 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Tgt Ion:252 Resp: 97674
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.4
125 8.6 6.2 9.4





#91
Dibenzo(a,h)anthracene
Concen: 2.903 ng m
RT: 17.074 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Instrument :
BNA_F
ClientSampleId :
OR-02-072523

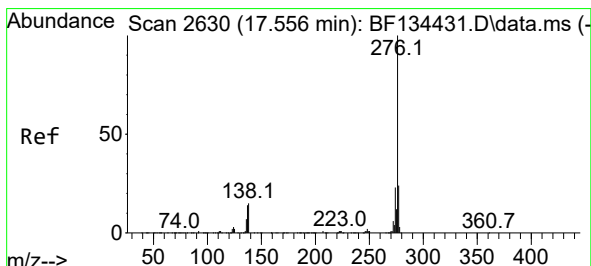
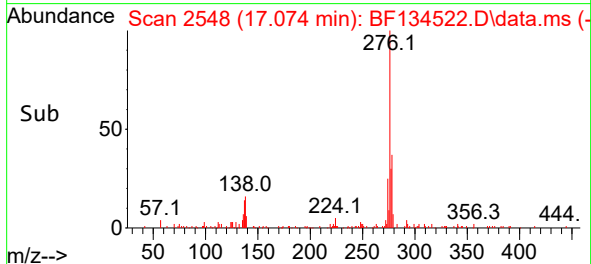
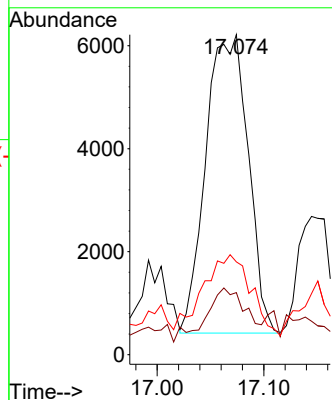
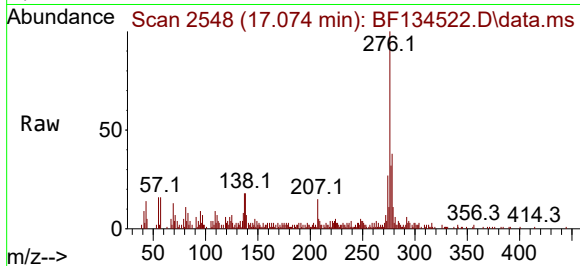
Tgt Ion:278 Resp: 1591
Ion Ratio Lower Upper
278 100
139 19.4 10.0 15.0
279 29.0 19.7 29.5

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Patel

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Supervised By :mohammad
ahmed

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#92
Benzo(g,h,i)perylene
Concen: 8.296 ng
RT: 17.533 min Scan# 2626
Delta R.T. 0.012 min
Lab File: BF134522.D
Acq: 28 Jul 2023 18:50

Tgt Ion:276 Resp: 46698
Ion Ratio Lower Upper
276 100
277 26.6 19.0 28.6
138 17.8 12.2 18.2

