

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072023\
 Data File : BF134383.D
 Acq On : 20 Jul 2023 16:00
 Operator : CG\JU
 Sample : 03600-01DL2 50X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-071223DL2

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Jul 20 16:54:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							07/21/2023
1) 1,4-Dichlorobenzene-d4	6.834	152	55847	20.000	ng	-0.01	Supervised By :mohammad Ahmed
21) Naphthalene-d8	8.116	136	223502	20.000	ng	# 0.00	
39) Acenaphthene-d10	9.869	164	117192	20.000	ng	-0.01	
64) Phenanthrene-d10	11.369	188	227021	20.000	ng	0.00	
76) Chrysene-d12	14.027	240	126730	20.000	ng	-0.01	
86) Perylene-d12	15.533	264	145182	20.000	ng	-0.01	07/21/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	3063	0.917	ng	0.02	
7) Phenol-d6	6.487	99	4555	1.109	ng	0.00	
23) Nitrobenzene-d5	7.404	82	2743	0.662	ng	0.00	
42) 2,4,6-Tribromophenol	10.669	330	1293	0.880	ng	-0.01	
45) 2-Fluorobiphenyl	9.187	172	8435	1.046	ng	-0.02	
79) Terphenyl-d14	12.963	244	9888	1.256	ng	-0.01	
Target Compounds						Qvalue	
31) Naphthalene	8.134	128	50813	4.707	ng	98	
37) 2-Methylnaphthalene	8.828	142	66298	8.684	ng	99	
38) 1-Methylnaphthalene	8.928	142	57333	8.078	ng	99	
52) Acenaphthene	9.904	154	39267	5.759	ng	98	
55) Dibenzofuran	10.081	168	34758	3.262	ng	# 97	
58) Fluorene	10.422	166	78163	9.429	ng	98	
71) Phenanthrene	11.392	178	446625	39.080	ng	99	
72) Anthracene	11.445	178	109084	9.177	ng	98	
75) Fluoranthene	12.592	202	272539	22.058	ng	97	
78) Pyrene	12.822	202	306332	25.974	ng	99	
81) Benzo(a)anthracene	14.022	228	94390	10.740	ng	100	
83) Chrysene	14.057	228	86350	10.144	ng	97	
87) Indeno(1,2,3-cd)pyrene	17.080	276	37853	3.757	ng	97	
88) Benzo(b)fluoranthene	15.092	252	78318m	9.174	ng		
89) Benzo(k)fluoranthene	15.116	252	23187m	2.668	ng		
90) Benzo(a)pyrene	15.468	252	72452	8.777	ng	96	
92) Benzo(g,h,i)perylene	17.545	276	40309	4.750	ng	# 94	

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

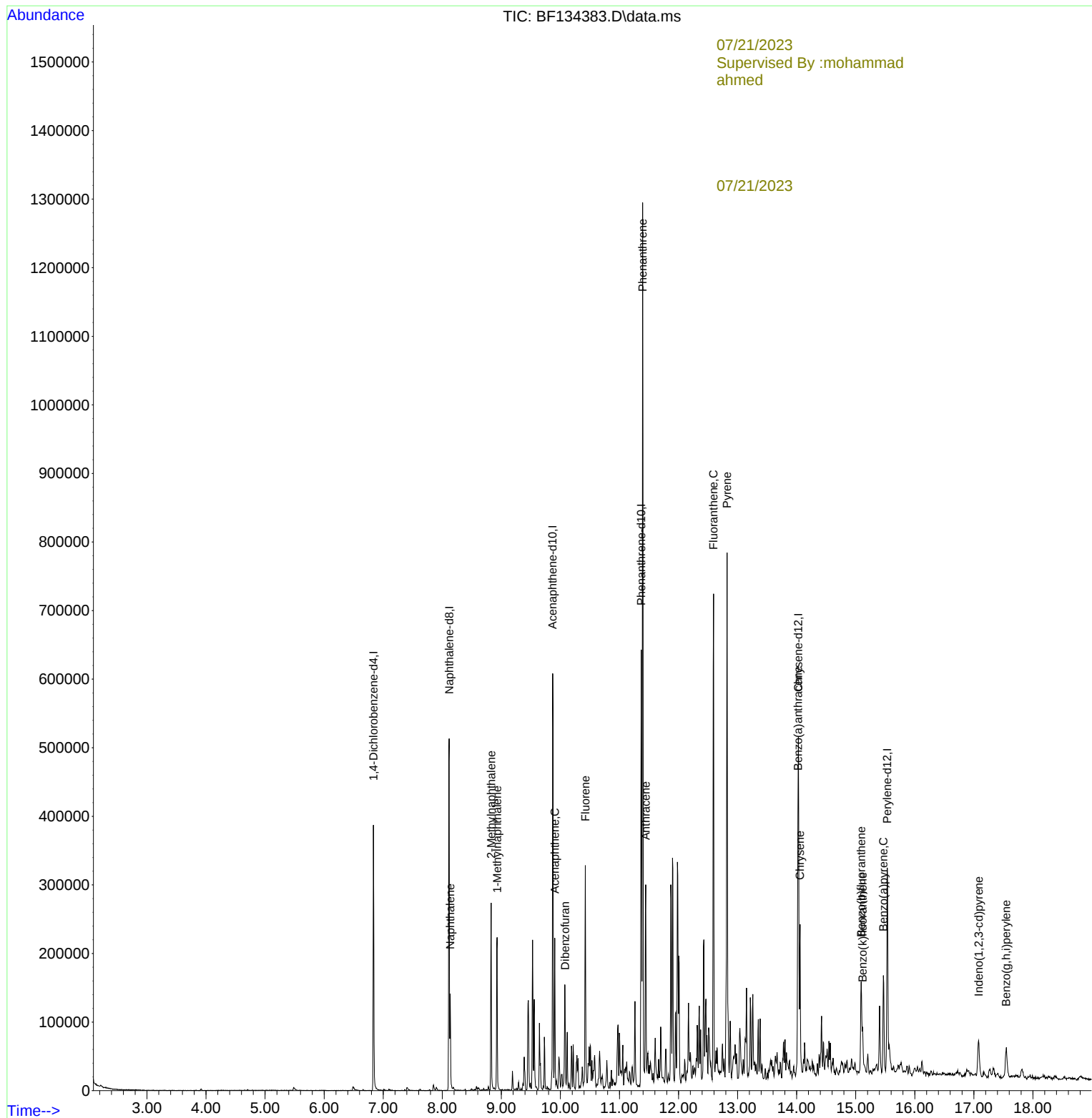
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072023\
Data File : BF134383.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

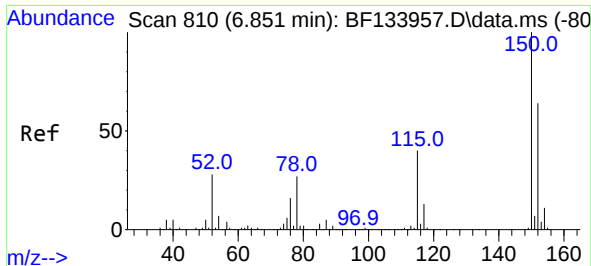
Instrument :
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ClientSampleId :
SU-3-071223DL2

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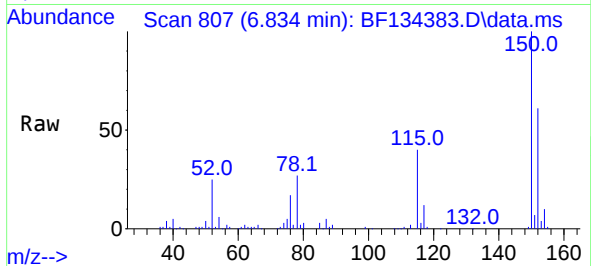
Quant Time: Jul 20 16:54:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 22:51:27 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

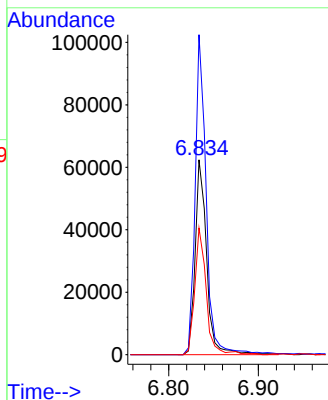
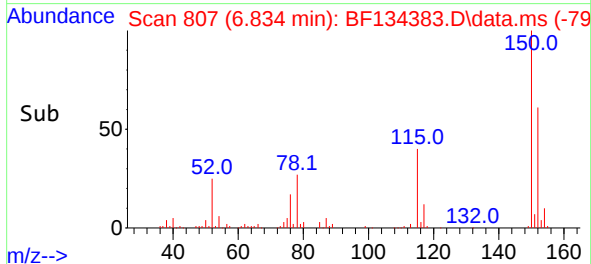
Instrument :
BNA_F
ClientSampleId :
SU-3-071223DL2



Tgt Ion:152 Resp: 5584
Ion Ratio Lower Upper
152 100
150 164.1 124.5 186.7
115 65.0 50.2 75.2

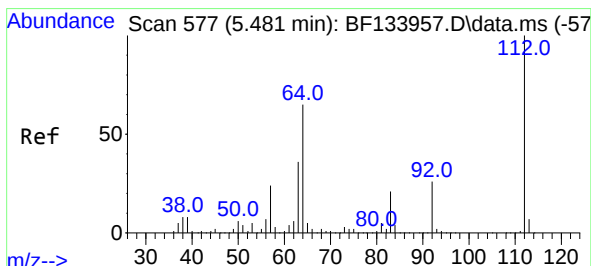
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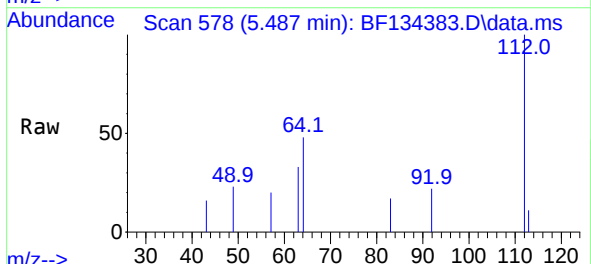


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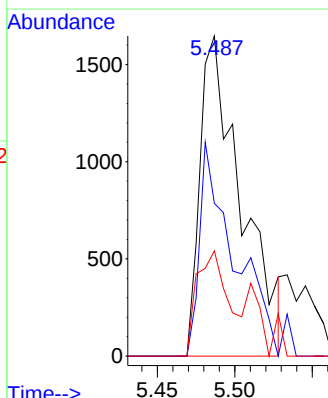
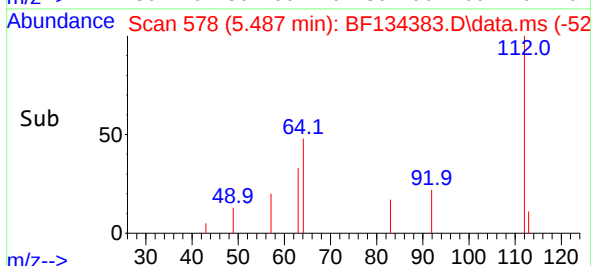
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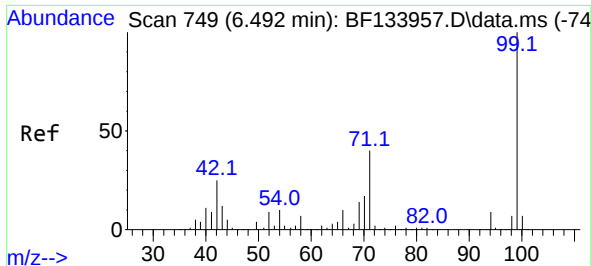


#5
2-Fluorophenol
Concen: 0.917 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.018 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00



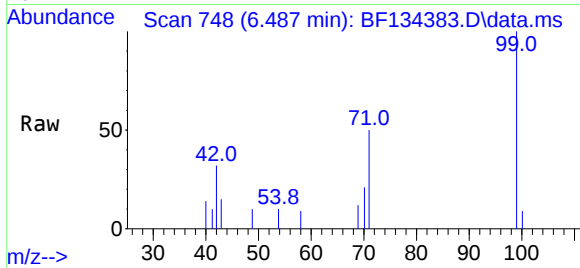
Tgt Ion:112 Resp: 3063
Ion Ratio Lower Upper
112 100
64 47.7 52.1 78.1#
63 32.8 28.6 42.8





#7
Phenol-d6
Concen: 1.109 ng
RT: 6.487 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

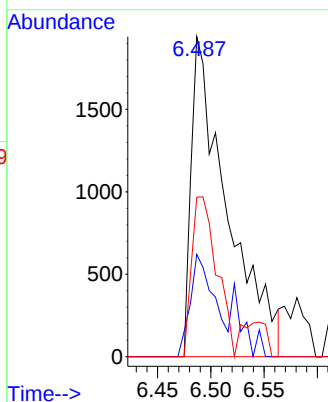
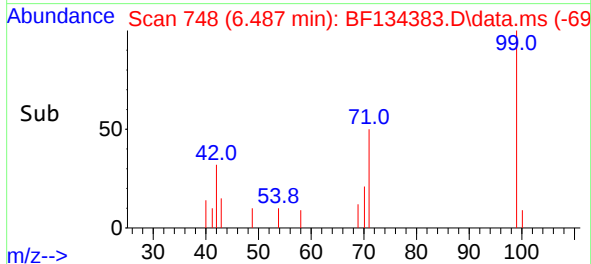
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Tgt Ion: 99 Resp: 455
Ion Ratio Lower Upper
99 100
42 31.9 19.8 29.6
71 49.9 31.9 47.9

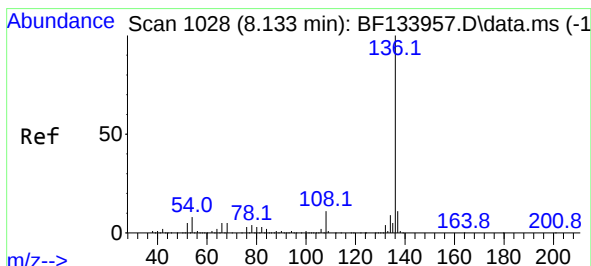
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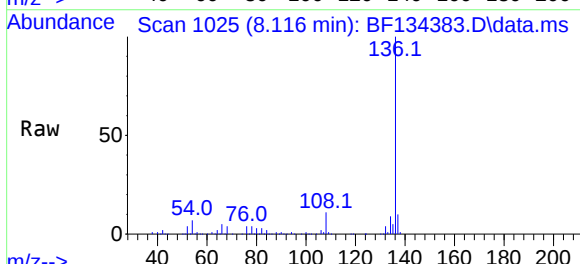


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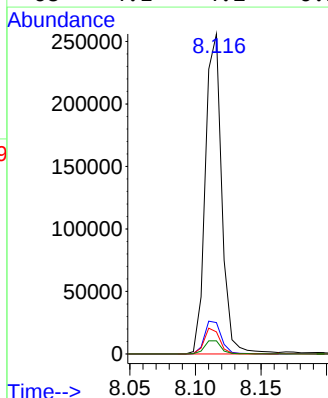
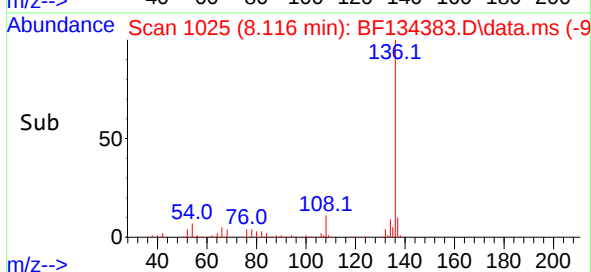
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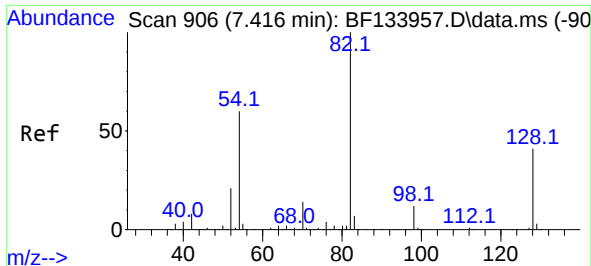


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00



Tgt Ion:136 Resp: 223502
Ion Ratio Lower Upper
136 100
137 9.8 8.6 12.8
54 6.9 6.5 9.7
68 4.1 4.2 6.2





#23
Nitrobenzene-d5
Concen: 0.662 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

Instrument :

BNA_F

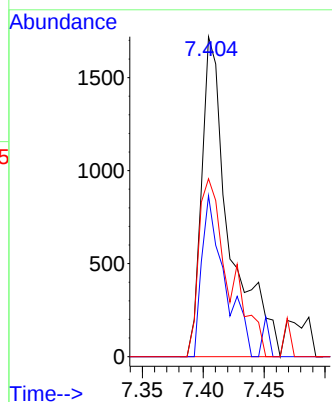
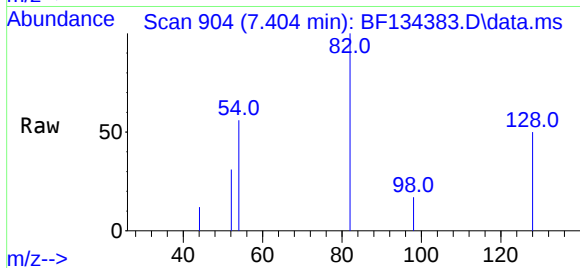
ClientSampleId :

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Tgt Ion: 82 Resp: 274
Ion Ratio Lower Upper
82 100
128 50.3 32.5 48.7
54 55.6 48.2 72.2

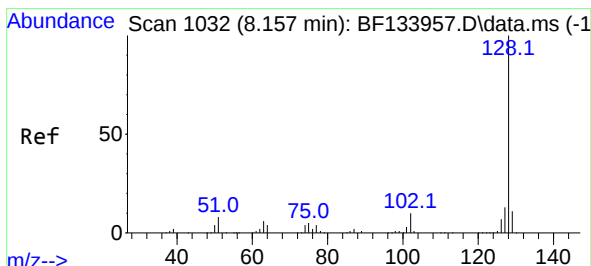
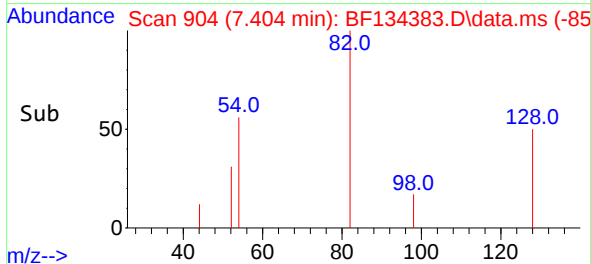
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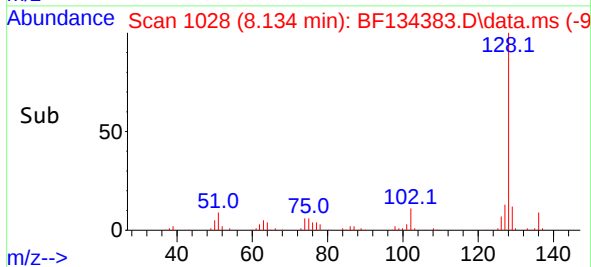
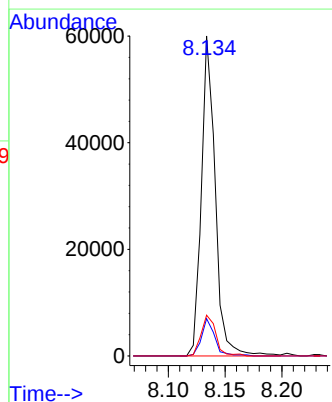
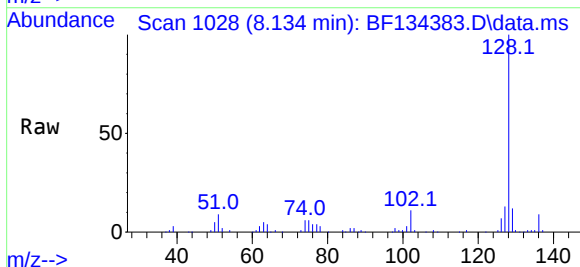
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ahmed

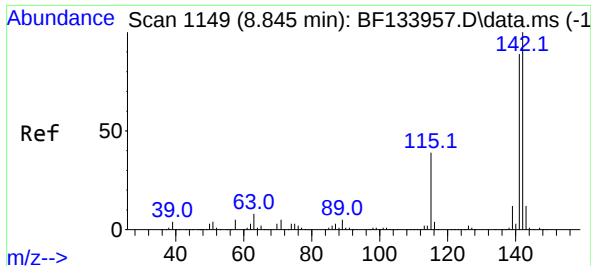
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#31
Naphthalene
Concen: 4.707 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

Tgt Ion:128 Resp: 50813
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 12.8 10.6 15.8





#37
2-Methylnaphthalene
Concen: 8.684 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

Instrument :

BNA_F

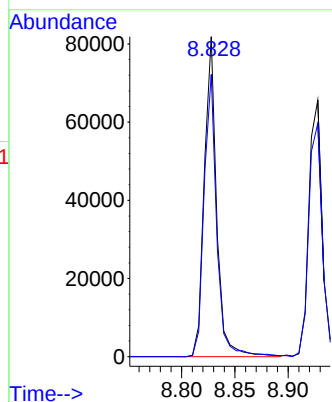
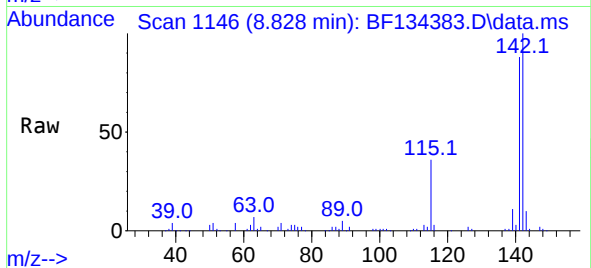
ClientSampleId :

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Tgt Ion:142 Resp: 66298
Ion Ratio Lower Upper
142 100
141 88.2 71.0 106.4

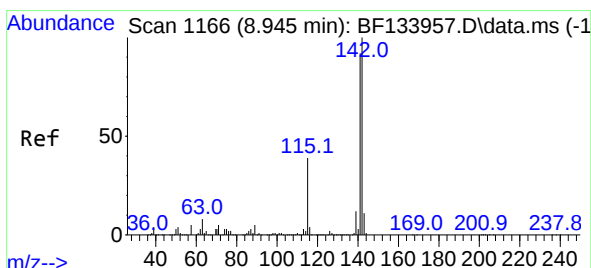
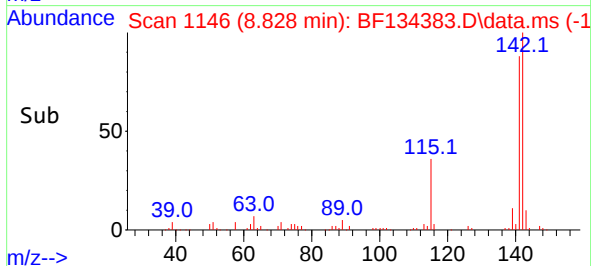
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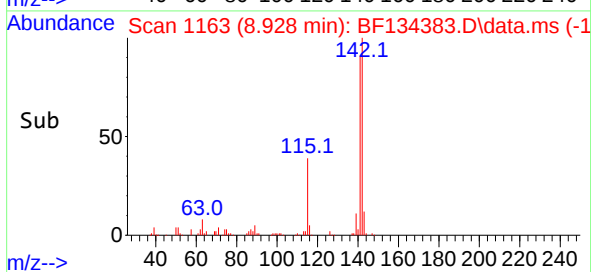
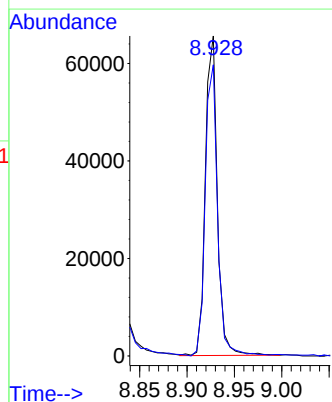
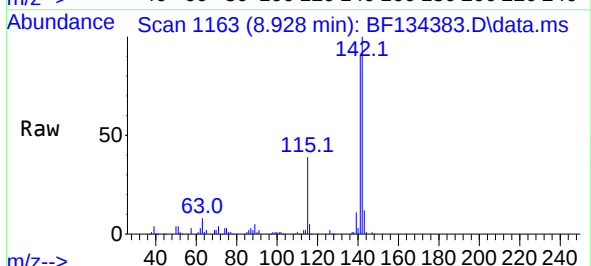
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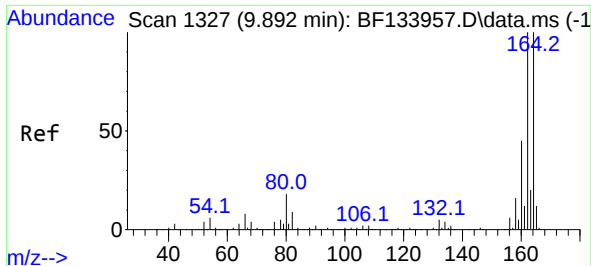
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#38
1-Methylnaphthalene
Concen: 8.078 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

Tgt Ion:142 Resp: 57333
Ion Ratio Lower Upper
142 100
141 91.0 73.5 110.3





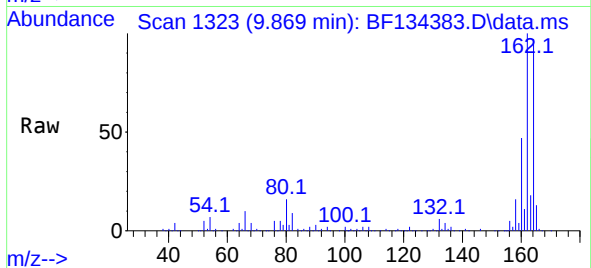
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11719
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

Instrument :

BNA_F

ClientSampleId :

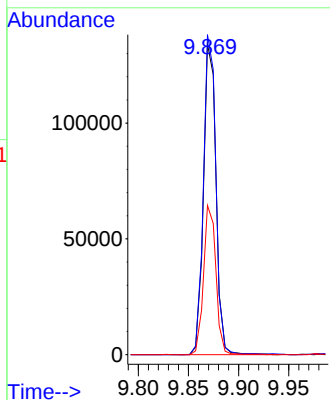
SU-3-071223DL2



Tgt Ion:164 Resp: 11719
Ion Ratio Lower Upper
164 100
162 103.0 80.0 120.0
160 48.1 35.9 53.9

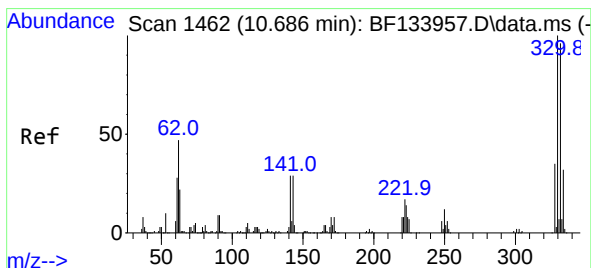
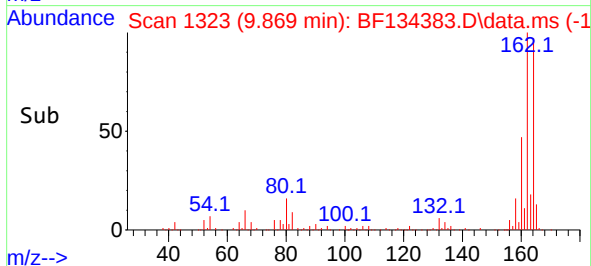
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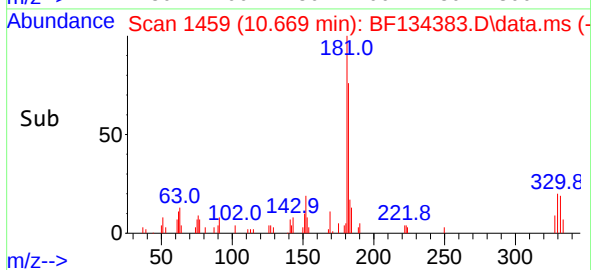
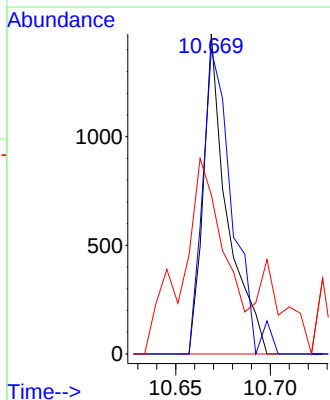
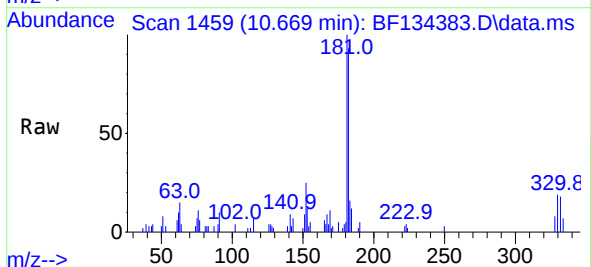
07/21/2023
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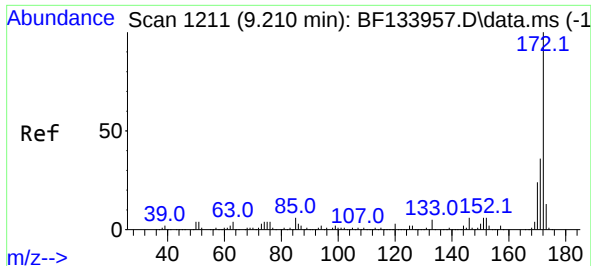
07/21/2023



#42
2,4,6-Tribromophenol
Concen: 0.880 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

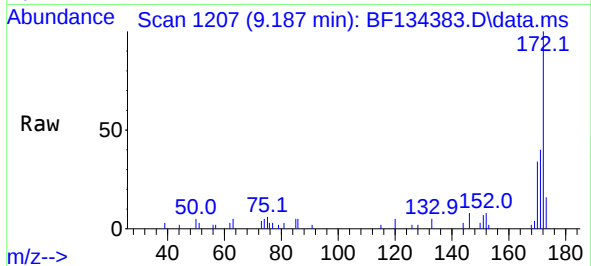
Tgt Ion:330 Resp: 1293
Ion Ratio Lower Upper
330 100
332 117.7 77.0 115.6#
141 108.7 26.3 39.5#





#45
2-Fluorobiphenyl
Concen: 1.046 ng
RT: 9.187 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

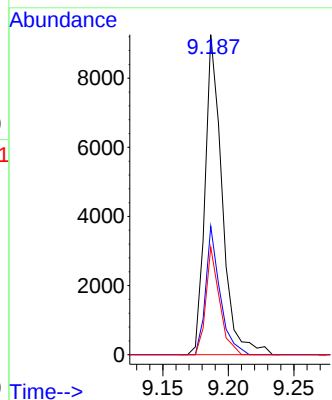
Instrument :
BNA_F
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Tgt Ion:172 Resp: 8435
Ion Ratio Lower Upper
172 100
171 40.2 28.6 43.0
170 33.6 19.4 29.0

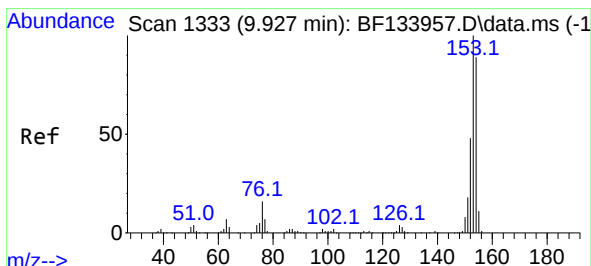
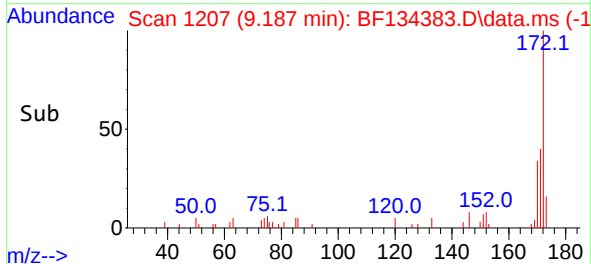
Manual Integrations
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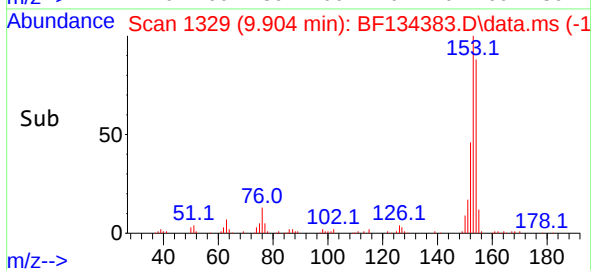
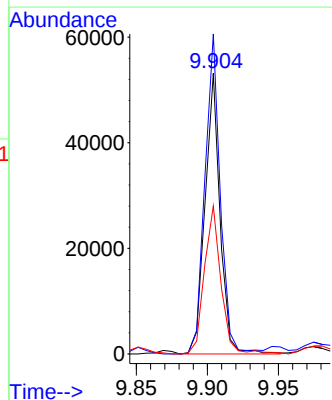
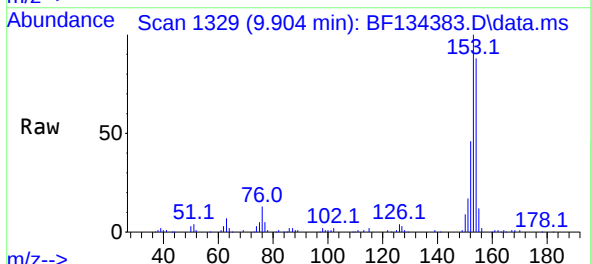
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Supervised By :mohammad
ahmed

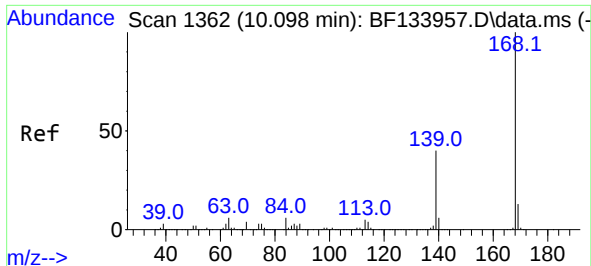
07/21/2023



#52
Acenaphthene
Concen: 5.759 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

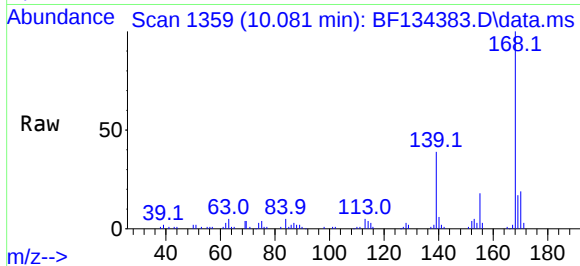
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Ion Ratio Lower Upper
154 100
153 114.0 89.4 134.2
152 52.7 42.8 64.2





#55
Dibenzenofuran
Concen: 3.262 ng
RT: 10.081 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

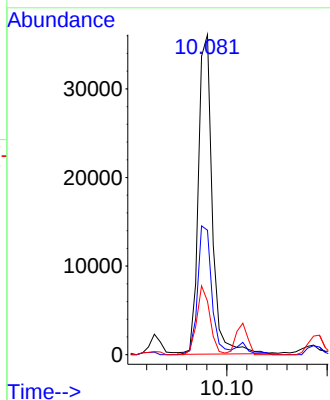
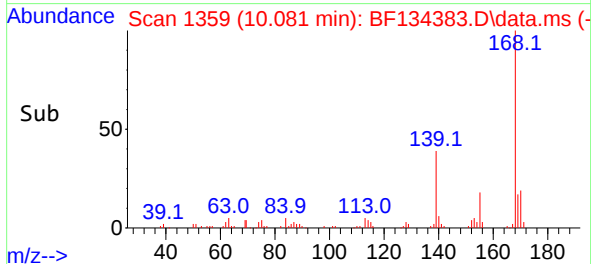
Instrument :
BNA_F
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SU-3-071223DL2



Tgt Ion:168 Resp: 34758
Ion Ratio Lower Upper
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139 38.9 32.0 48.0
169 16.7 10.6 16.0

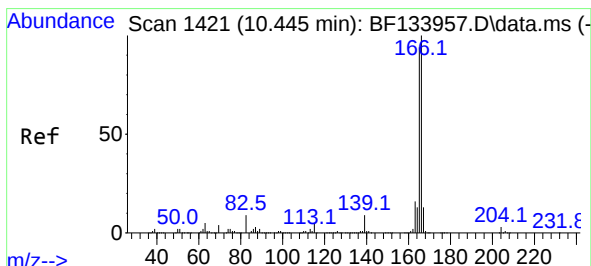
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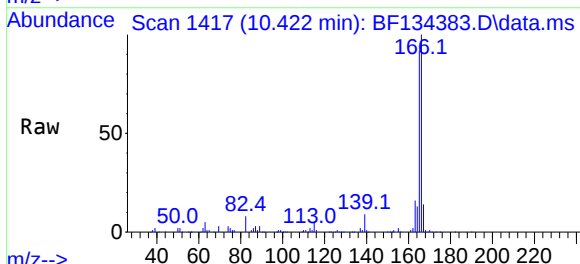


07/21/2023
Supervised By :mohammad
ahmed

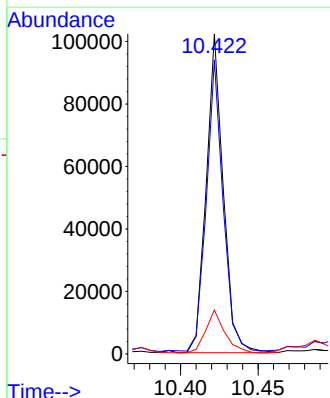
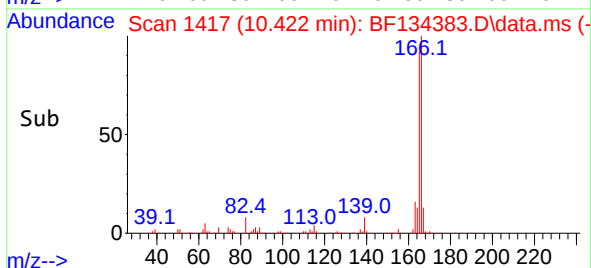
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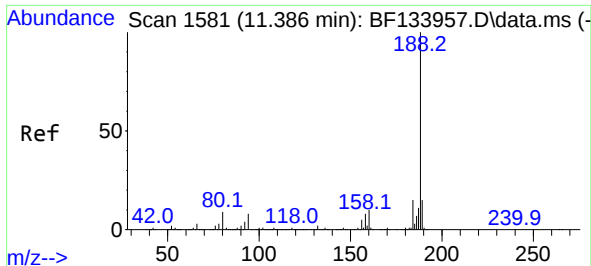


#58
Fluorene
Concen: 9.429 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00



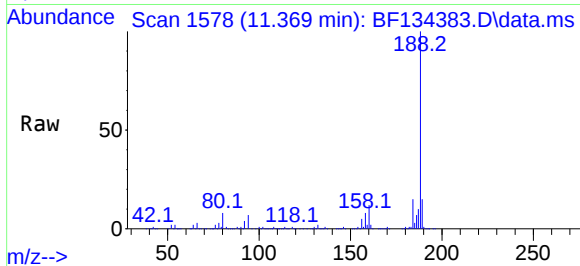
Tgt Ion:166 Resp: 78163
Ion Ratio Lower Upper
166 100
165 91.9 75.0 112.4
167 13.8 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

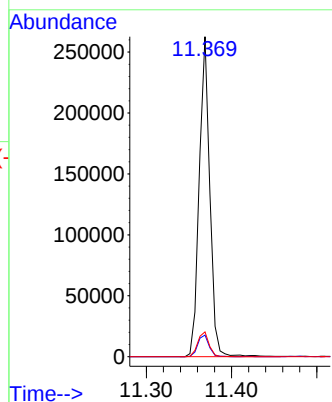
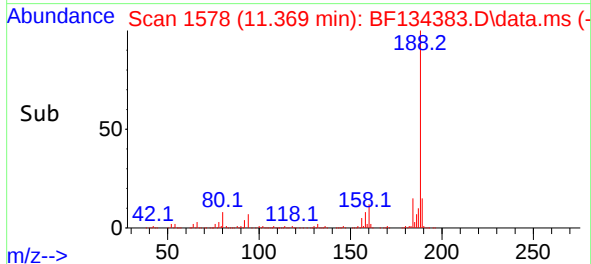
Instrument :
BNA_F
ClientSampleId :
SU-3-071223DL2



Tgt Ion:188 Resp: 22702
Ion Ratio Lower Upper
188 100
94 6.8 6.4 9.6
80 7.7 7.3 10.9

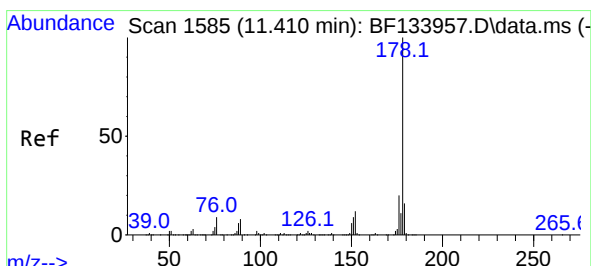
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Reviewed By :Yogesh
Patel

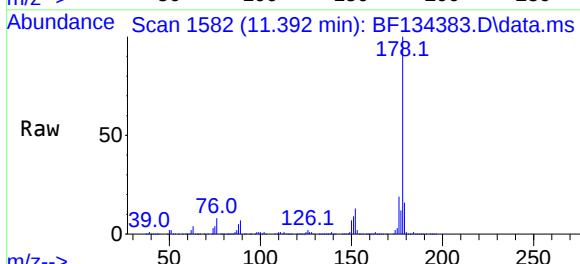


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Supervised By :mohammad
ahmed

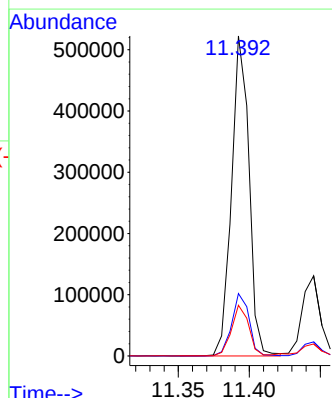
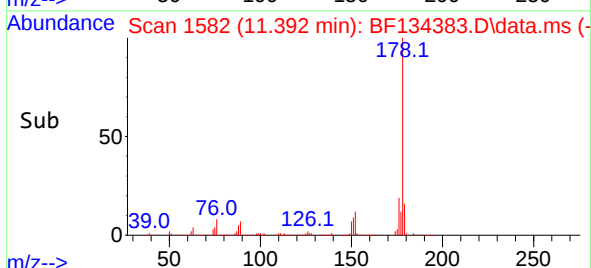
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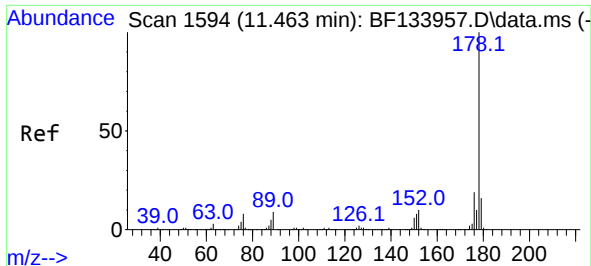


#71
Phenanthrene
Concen: 39.080 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00



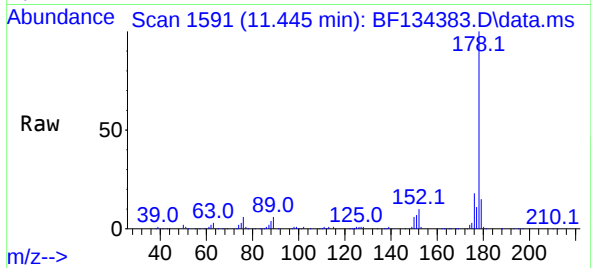
Tgt Ion:178 Resp: 446625
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.9 12.4 18.6





#72
 Anthracene
 Concen: 9.177 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134383.D
 Acq: 20 Jul 2023 16:00

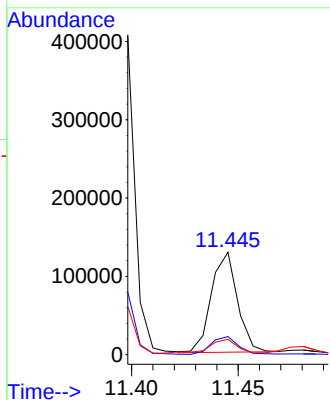
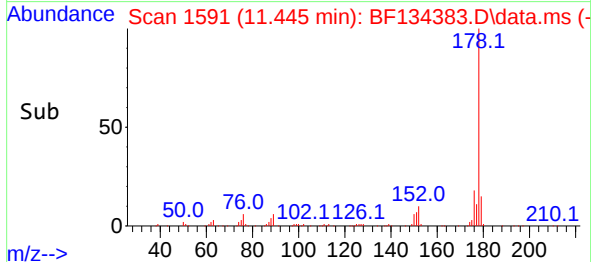
Instrument :
 BNA_F
 ClientSampleId :
 SU-3-071223DL2



Tgt Ion:178 Resp: 109084
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.3 22.9
 179 15.0 12.4 18.6

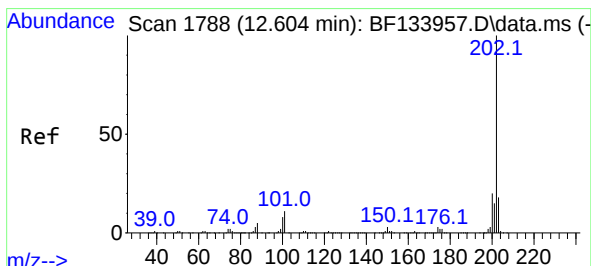
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Reviewed By :Yogesh
 Patel

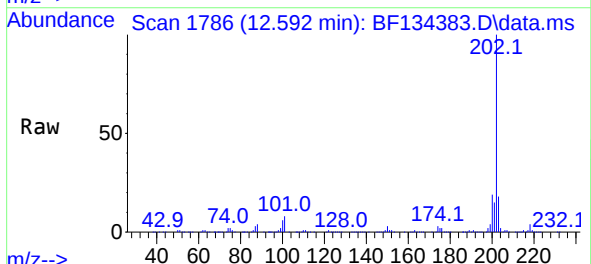


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 Supervised By :mohammad
 ahmed

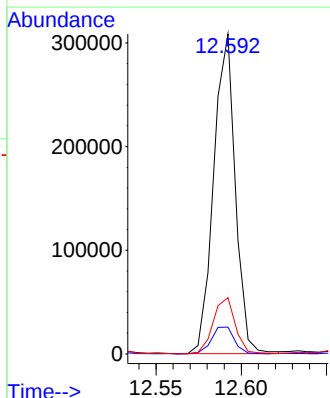
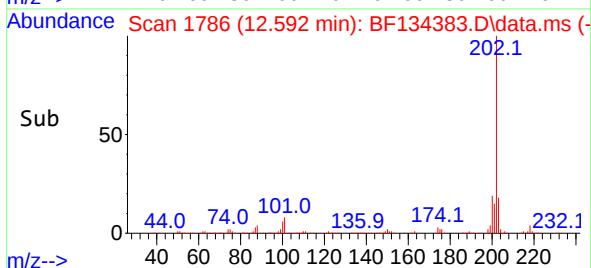
07/21/2023

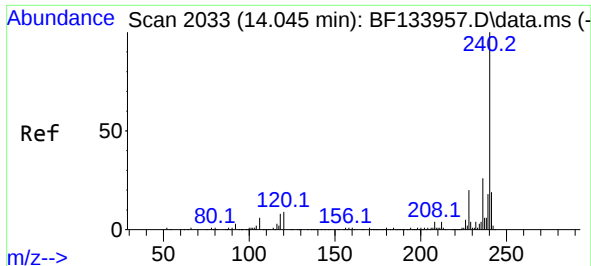


#75
 Fluoranthene
 Concen: 22.058 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF134383.D
 Acq: 20 Jul 2023 16:00



Tgt Ion:202 Resp: 272539
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 31.0
 203 17.6 0.0 37.6





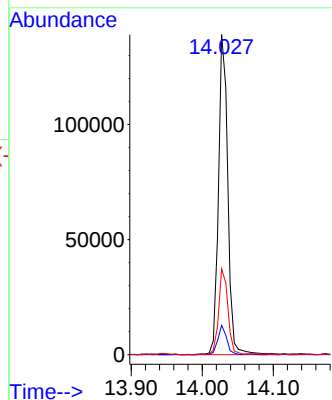
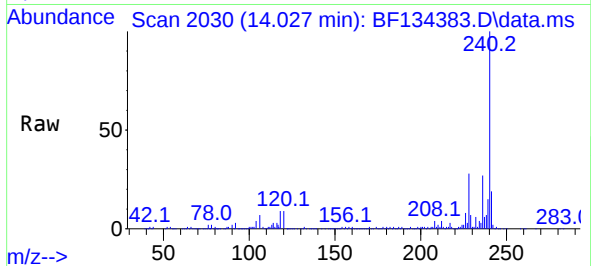
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

Instrument :
BNA_F
ClientSampleId :
SU-3-071223DL2

Tgt Ion:240 Resp: 126730
Ion Ratio Lower Upper
240 100
120 9.2 7.4 11.0
236 26.8 21.0 31.6

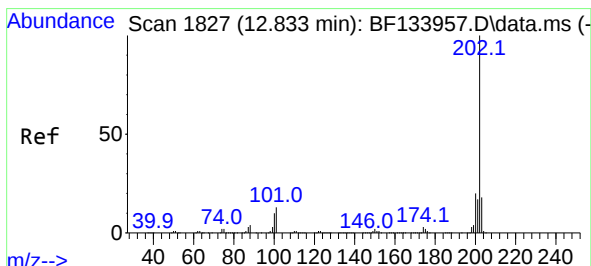
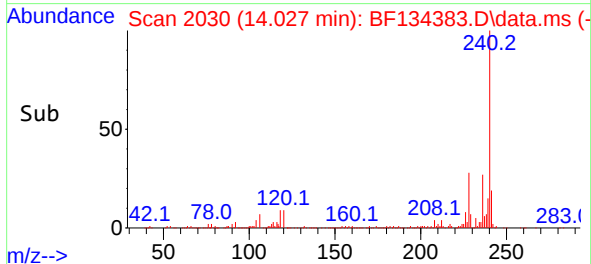
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Reviewed By :Yogesh
Patel



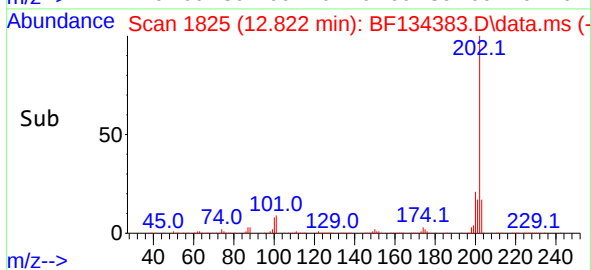
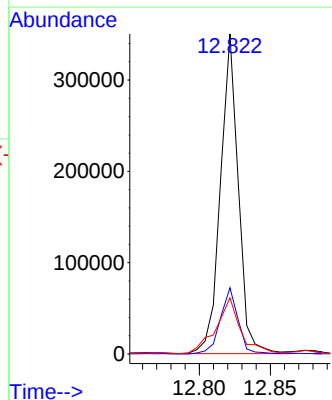
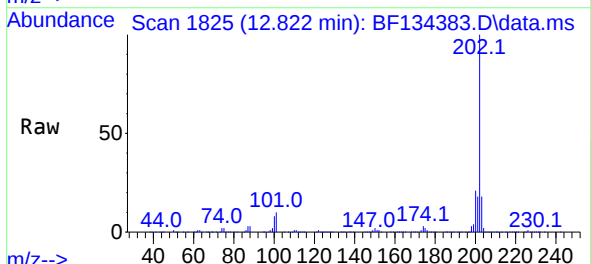
07/21/2023
Supervised By :mohammad
ahmed

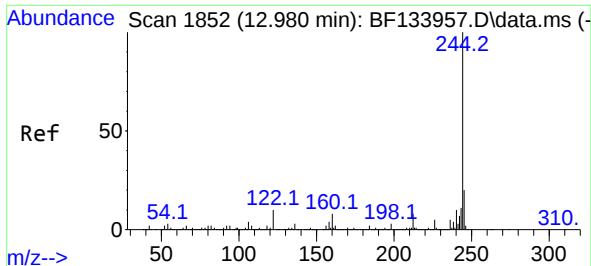
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#78
Pyrene
Concen: 25.974 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

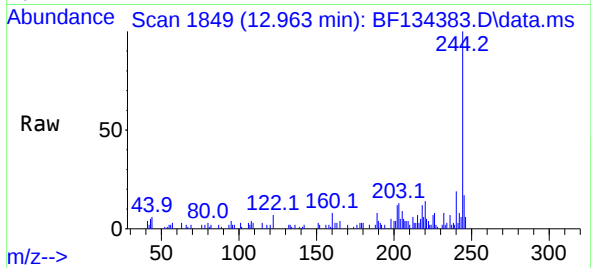
Tgt Ion:202 Resp: 306332
Ion Ratio Lower Upper
202 100
200 20.7 16.1 24.1
203 17.5 14.3 21.5





#79
Terphenyl-d14
Concen: 1.256 ng
RT: 12.963 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

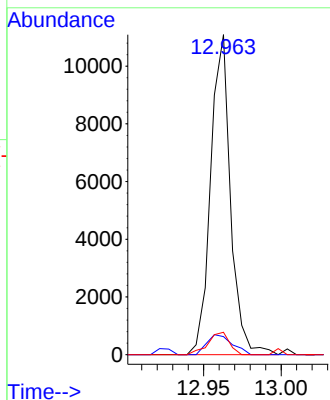
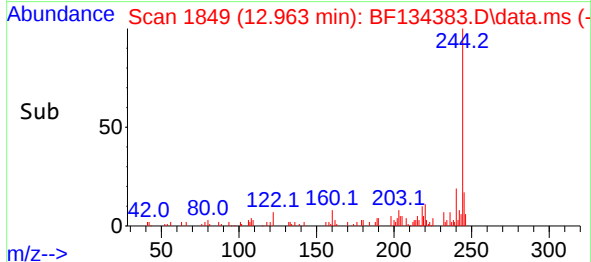
Instrument :
BNA_F
ClientSampleId :
SU-3-071223DL2



Tgt Ion:244 Resp: 988
Ion Ratio Lower Upper
244 100
212 5.7 6.0 9.0
122 7.0 8.3 12.5

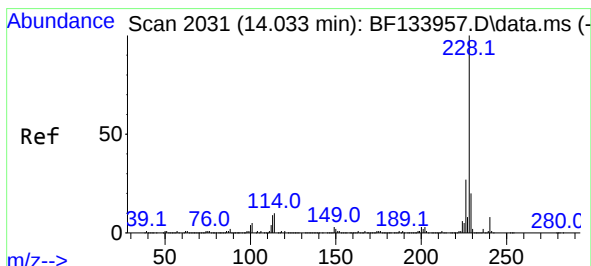
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Patel

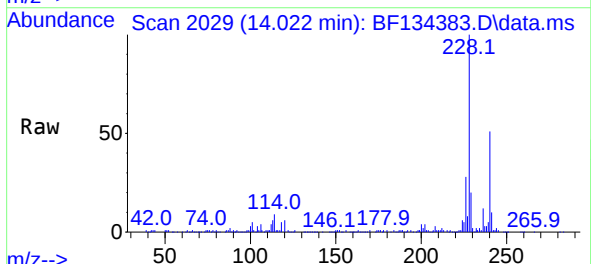


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Supervised By :mohammad
ahmed

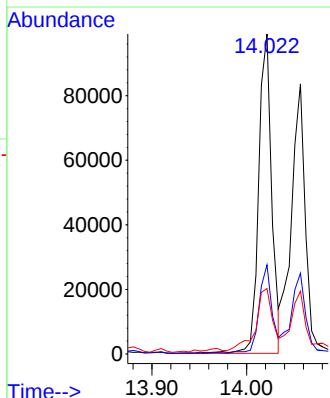
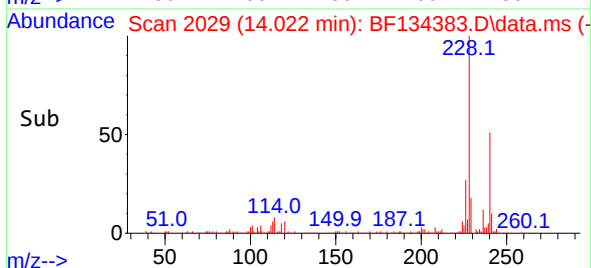
07/21/2023

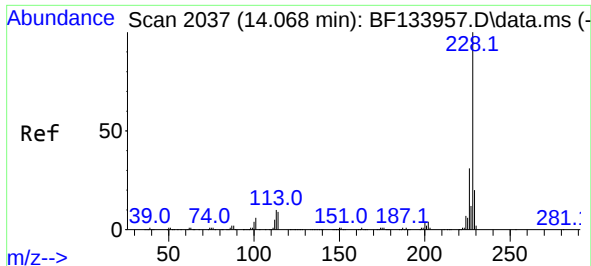


#81
Benzo(a)anthracene
Concen: 10.740 ng
RT: 14.022 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00



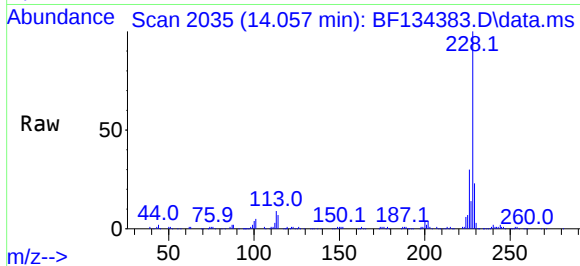
Tgt Ion:228 Resp: 94390
Ion Ratio Lower Upper
228 100
226 27.9 22.0 33.0
229 20.5 16.3 24.5





#83
Chrysene
Concen: 10.144 ng
RT: 14.057 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

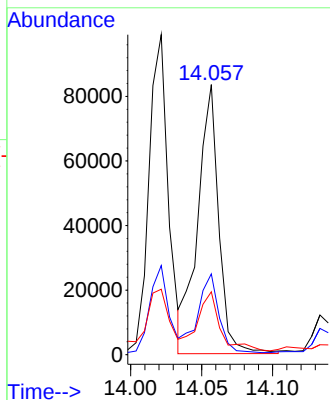
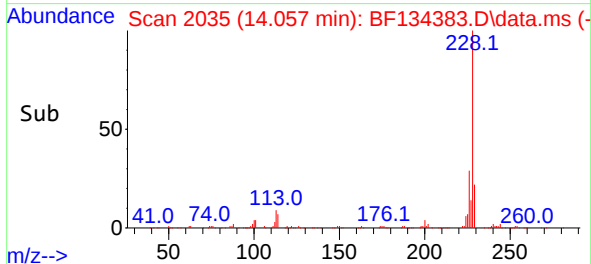
Instrument :
BNA_F
ClientSampleId :
SU-3-071223DL2



Tgt Ion:228 Resp: 86350
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 23.3 16.1 24.1

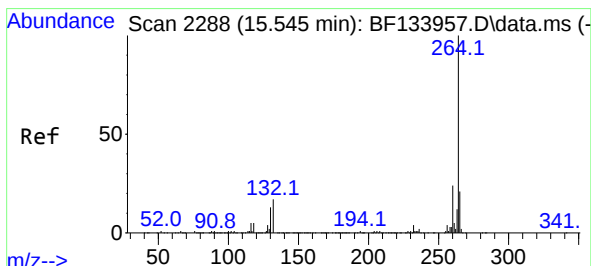
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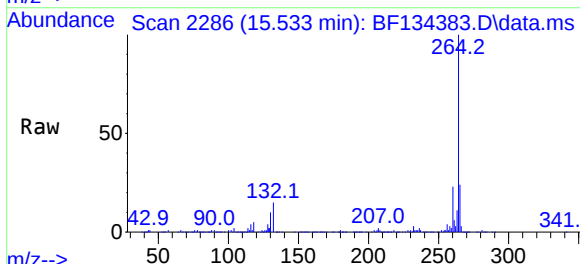


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Supervised By :mohammad
ahmed

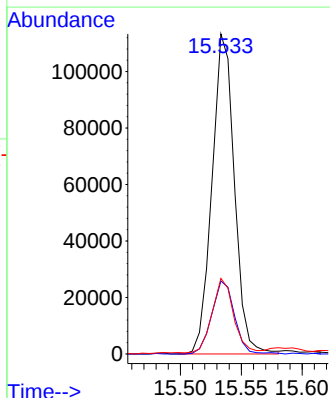
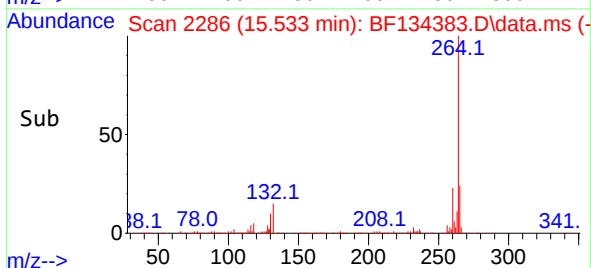
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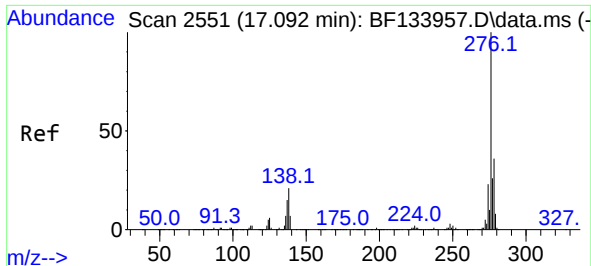


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00



Tgt Ion:264 Resp: 145182
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 23.6 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.757 ng
RT: 17.080 min Scan# 2111
Delta R.T. -0.017 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

Instrument :

BNA_F

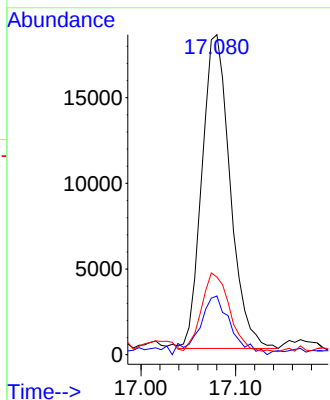
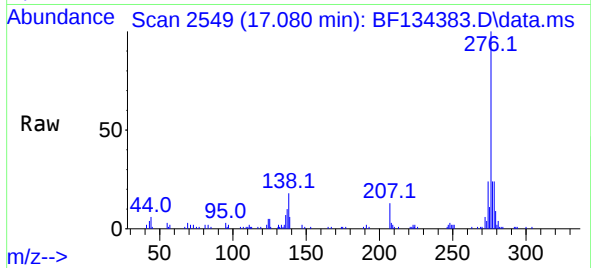
ClientSampleId :

SU-3-071223DL2

Tgt Ion:276 Resp: 3785
Ion Ratio Lower Upper
276 100
138 20.7 18.7 28.1
277 25.6 19.9 29.9

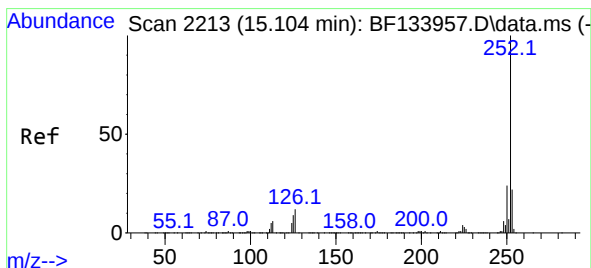
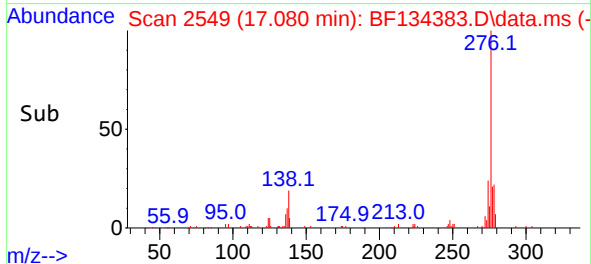
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Reviewed By :Yogesh
Patel



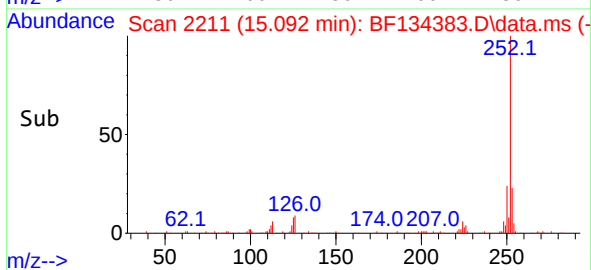
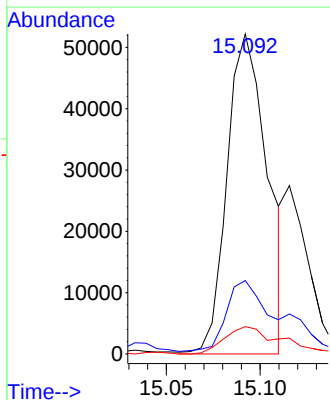
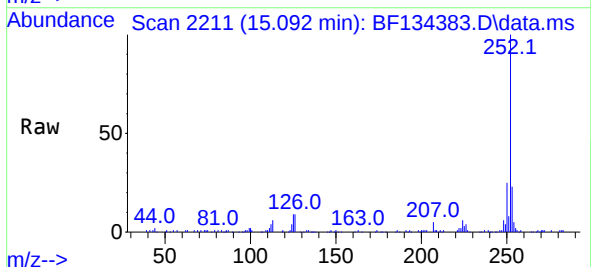
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Supervised By :mohammad
ahmed

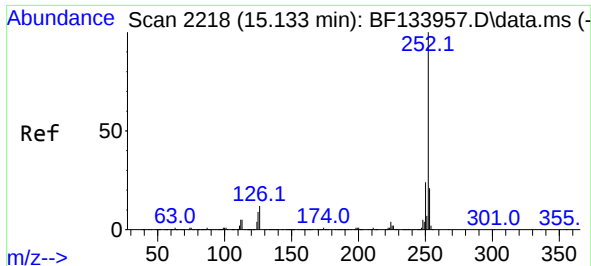
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#88
Benzo(b)fluoranthene
Concen: 9.174 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

Tgt Ion:252 Resp: 78318
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 8.5 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 2.668 ng m

RT: 15.116 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF134383.D

Acq: 20 Jul 2023 16:00

Instrument :

BNA_F

ClientSampleId :

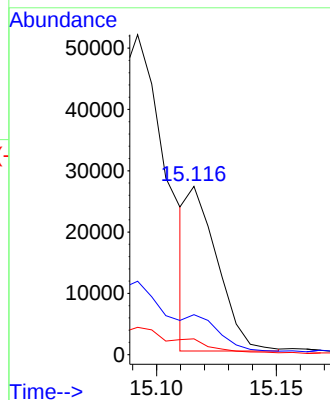
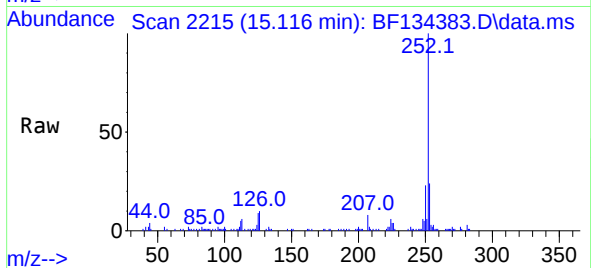
SU-3-071223DL2

Tgt Ion:252 Resp: 2318

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.9	25.3
125	9.4	7.4	11.2

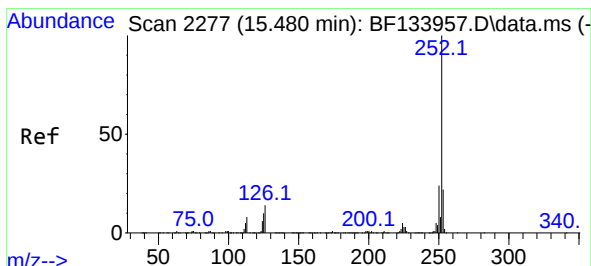
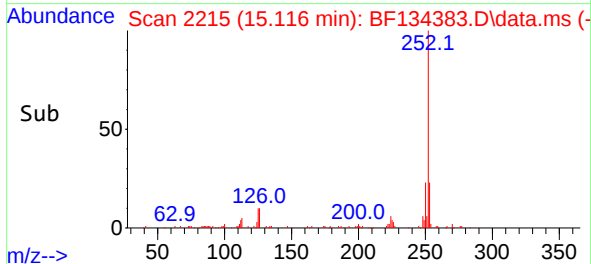
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Patel



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Supervised By :mohammad
ahmed

07/21/2023



#90

Benzo(a)pyrene

Concen: 8.777 ng

RT: 15.468 min Scan# 2275

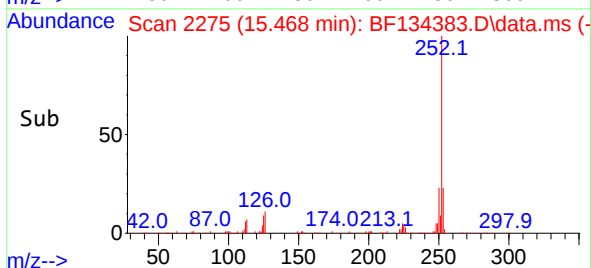
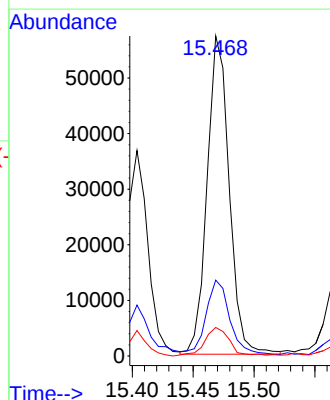
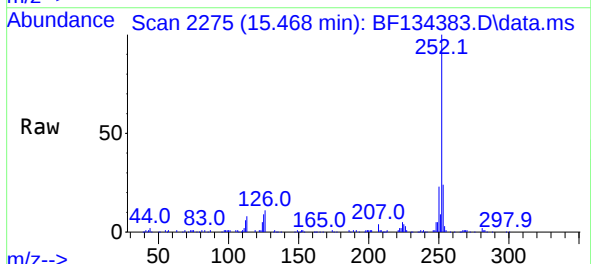
Delta R.T. -0.012 min

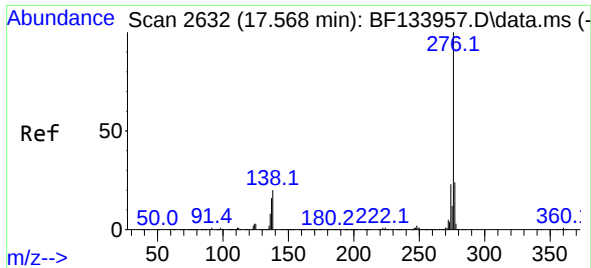
Lab File: BF134383.D

Acq: 20 Jul 2023 16:00

Tgt Ion:252 Resp: 72452

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	8.9	8.4	12.6





#92
Benzo(g,h,i)perylene
Concen: 4.750 ng
RT: 17.545 min Scan# 20
Delta R.T. -0.023 min
Lab File: BF134383.D
Acq: 20 Jul 2023 16:00

Instrument :

BNA_F

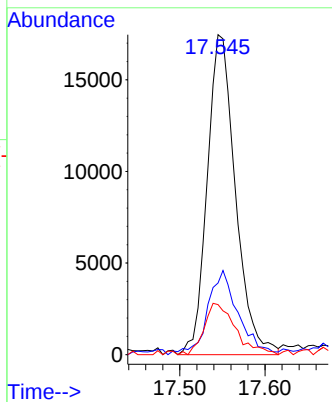
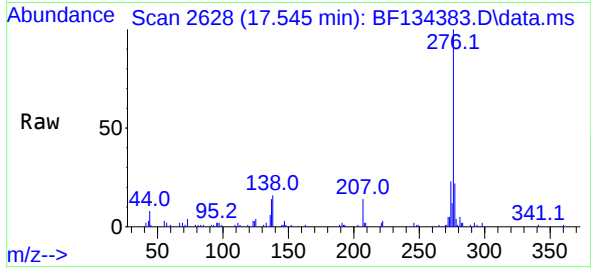
ClientSampleId :

SU-3-071223DL2

Tgt Ion:276 Resp: 40309
Ion Ratio Lower Upper
276 100
277 22.4 19.0 28.6
138 15.6 16.2 24.2

Manual Integrations
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Patel



07/21/2023
Supervised By :mohammad
ahmed

07/21/2023

