

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
 Data File : BF137685.D
 Acq On : 22 Mar 2024 16:56
 Operator : CG\JU
 Sample : P1832-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 600581536

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

03/26/2024
 Supervised By :mohammad
 ahmed

Quant Time: Mar 22 17:18:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	168236	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	638161	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	323804	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	443357	20.000	ng	0.00
76) Chrysene-d12	13.880	240	330268	20.000	ng	0.00
86) Perylene-d12	15.304	264	305535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1052867	94.784	ng	0.00
7) Phenol-d6	6.369	99	1387037	86.505	ng	0.00
23) Nitrobenzene-d5	7.292	82	861321	62.712	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	247677	87.101	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1428498	69.058	ng	0.00
79) Terphenyl-d14	12.827	244	1122441	46.734	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.028	128	101574	2.967	ng	98
37) 2-Methylnaphthalene	8.722	142	48808	2.236	ng	98
38) 1-Methylnaphthalene	8.816	142	56824	2.764	ng	98
52) Acenaphthene	9.792	154	74139	4.295	ng	98
55) Dibenzofuran	9.969	168	79894	3.039	ng	95
58) Fluorene	10.304	166	128206	6.349	ng	100
71) Phenanthrene	11.269	178	695164	28.811	ng	99
72) Anthracene	11.316	178	198791	8.022	ng	98
73) Carbazole	11.480	167	45308	2.134	ng	96
75) Fluoranthene	12.457	202	742391	31.477	ng	97
78) Pyrene	12.680	202	686743	21.191	ng	98
81) Benzo(a)anthracene	13.868	228	361455	15.615	ng	97
83) Chrysene	13.904	228	310523	13.273	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	108397	5.391	ng	# 90
88) Benzo(b)fluoranthene	14.898	252	340114m	18.818	ng	
89) Benzo(k)fluoranthene	14.921	252	104444m	5.380	ng	
90) Benzo(a)pyrene	15.245	252	246033	13.814	ng	98
92) Benzo(g,h,i)perylene	17.109	276	100372	5.992	ng	99

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

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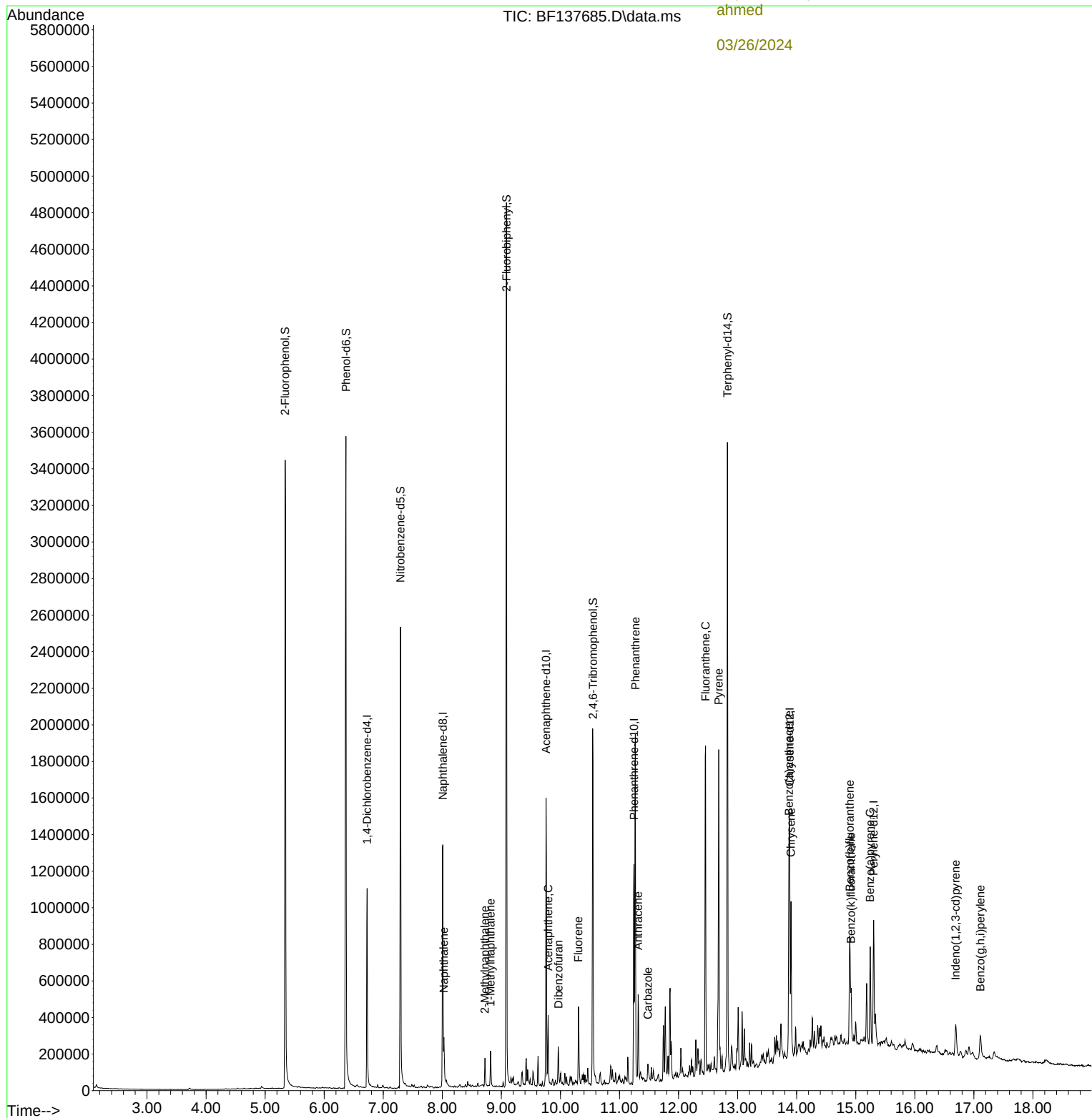
Manual Integrations
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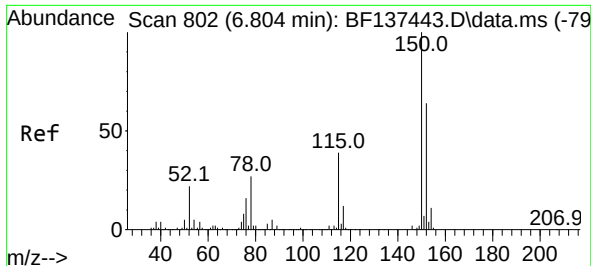
Reviewed By :Yogesh
Patel

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Supervised By :mohammad
ahmed

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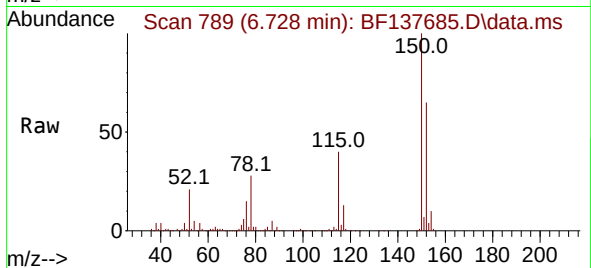
Quant Time: Mar 22 17:18:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
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QLast Update : Thu Mar 14 14:45:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
BNA_F
ClientSampleId :
600581536



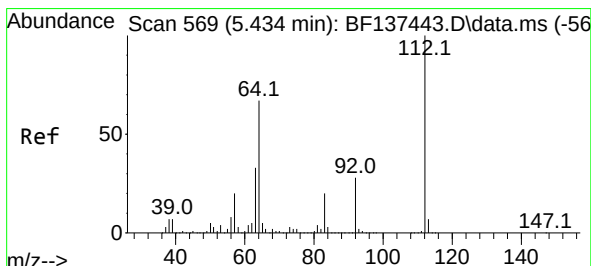
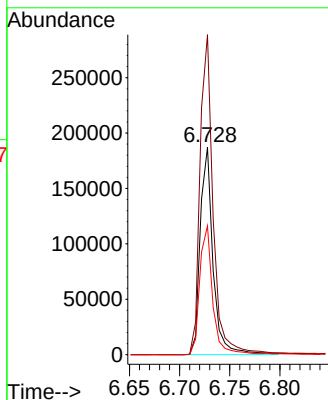
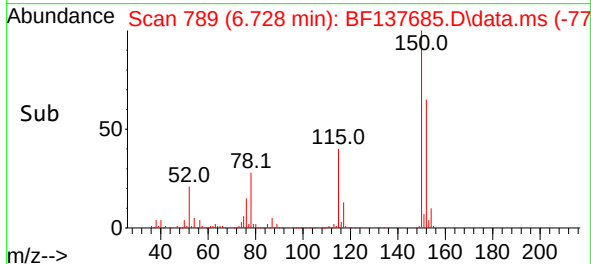
Tgt Ion:152 Resp: 168230
Ion Ratio Lower Upper
152 100
150 154.3 125.8 188.6
115 62.1 48.8 73.2

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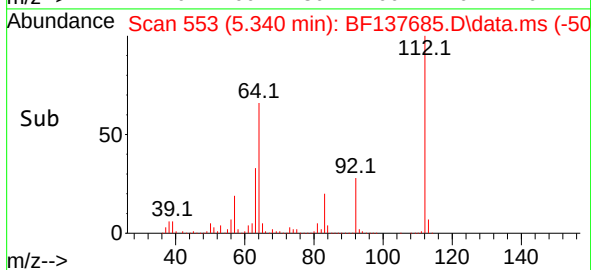
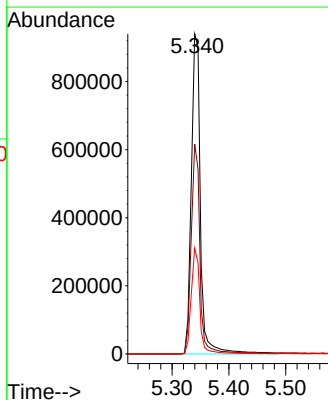
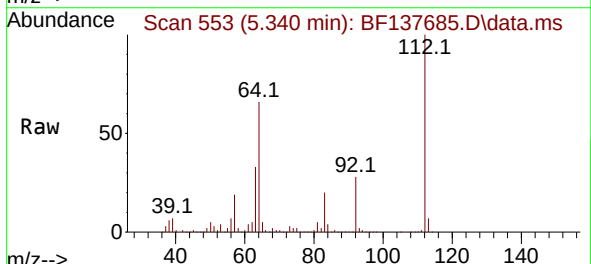
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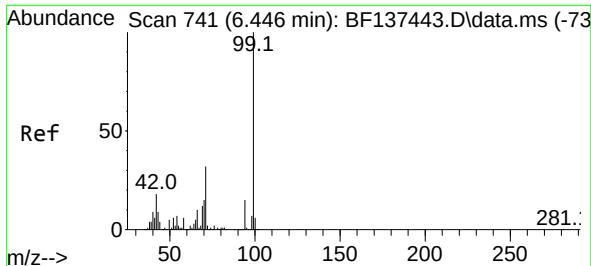
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#5
2-Fluorophenol
Concen: 94.784 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

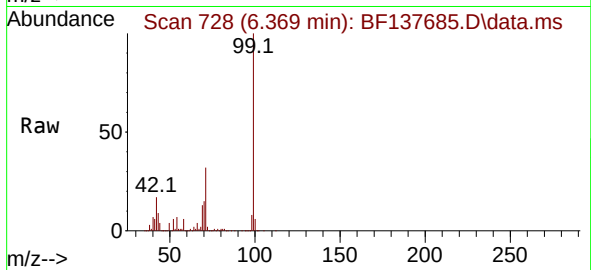
Tgt Ion:112 Resp: 1052867
Ion Ratio Lower Upper
112 100
64 65.6 53.4 80.2
63 33.1 26.2 39.2





#7
Phenol-d6
Concen: 86.505 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
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ClientSampleId :
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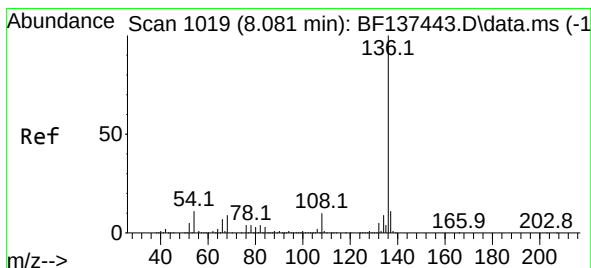
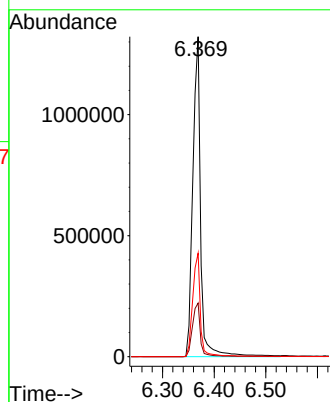
Tgt Ion: 99 Resp: 138703
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 32.3 25.3 37.9

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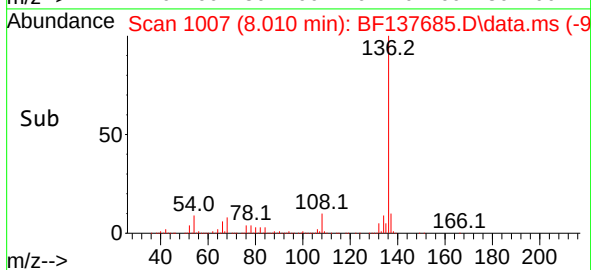
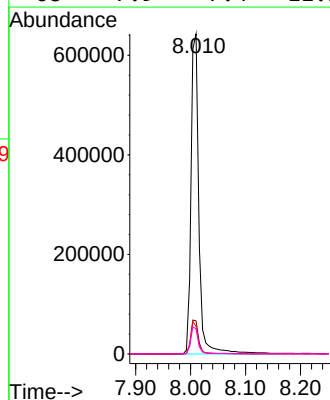
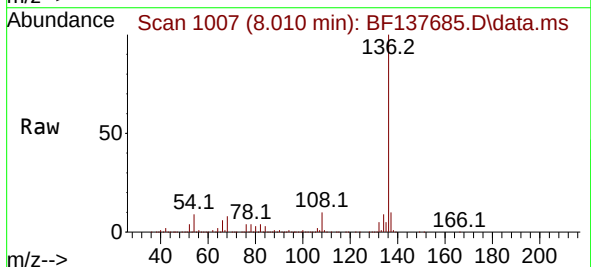
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Supervised By :mohammad
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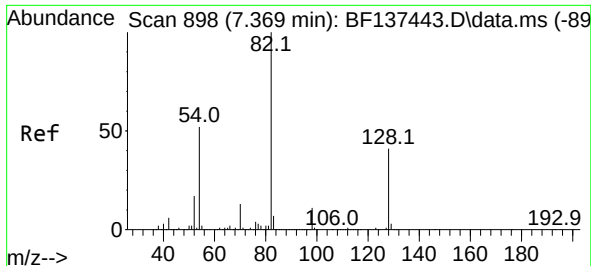
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

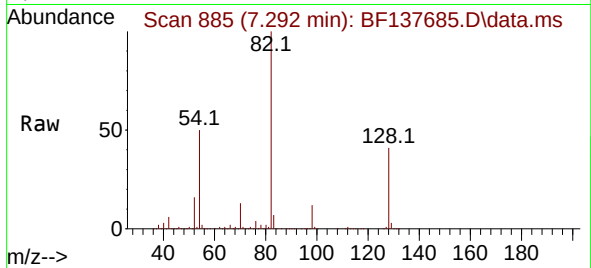
Tgt Ion:136 Resp: 638161
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 8.7 8.5 12.7
68 7.9 7.4 11.2





#23
Nitrobenzene-d5
Concen: 62.712 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
BNA_F
ClientSampleId :
600581536



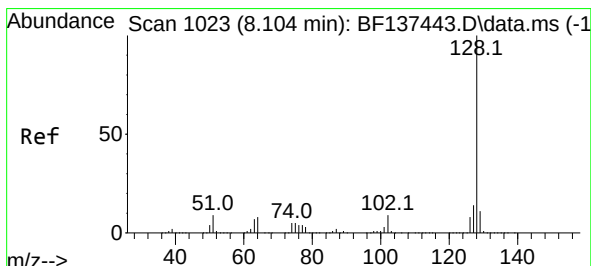
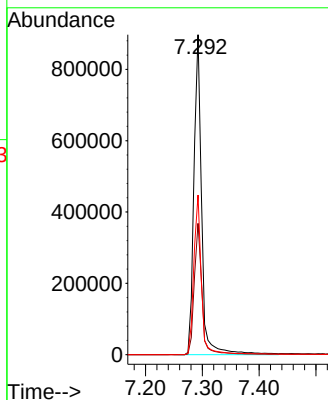
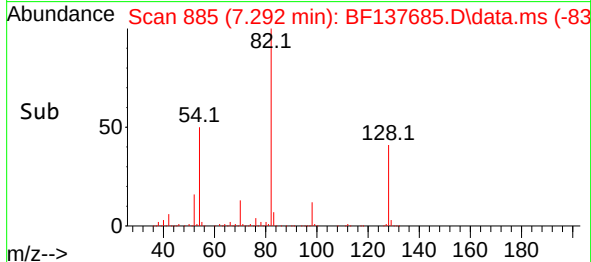
Tgt Ion: 82 Resp: 86132
Ion Ratio Lower Upper
82 100
128 41.0 32.5 48.7
54 49.9 41.5 62.3

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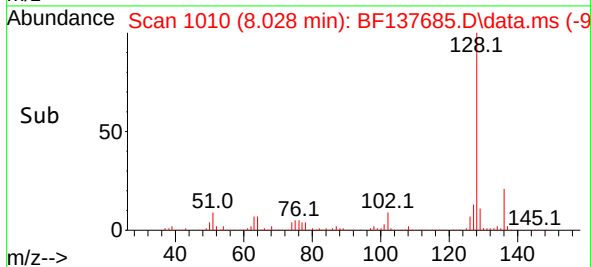
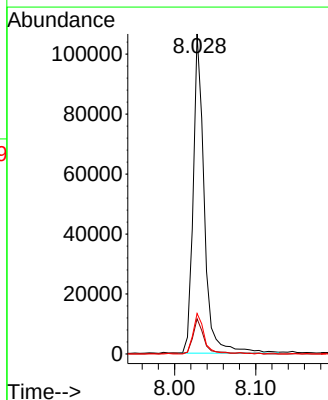
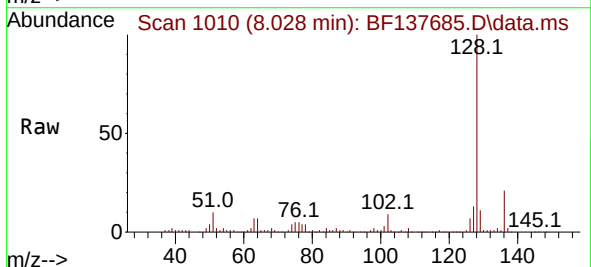
03/26/2024
Supervised By :mohammad
ahmed

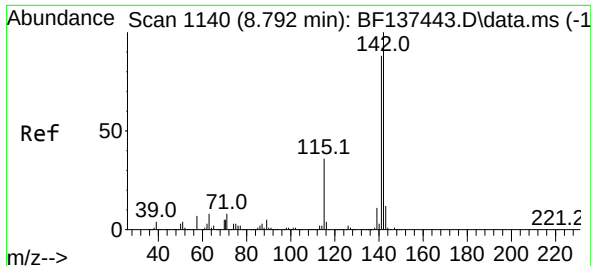
03/26/2024



#31
Naphthalene
Concen: 2.967 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

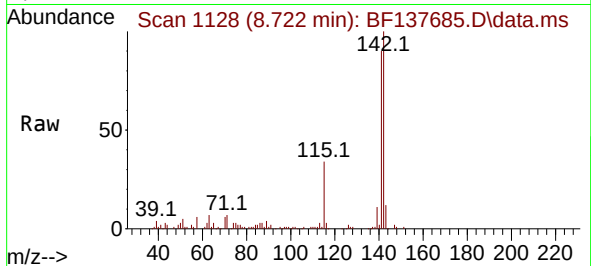
Tgt Ion:128 Resp: 101574
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 12.7 10.8 16.2





#37
2-Methylnaphthalene
Concen: 2.236 ng
RT: 8.722 min Scan# 1140
Delta R.T. -0.000 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
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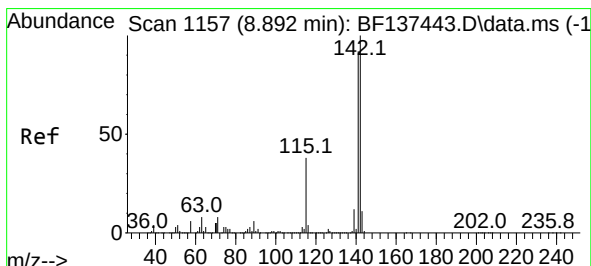
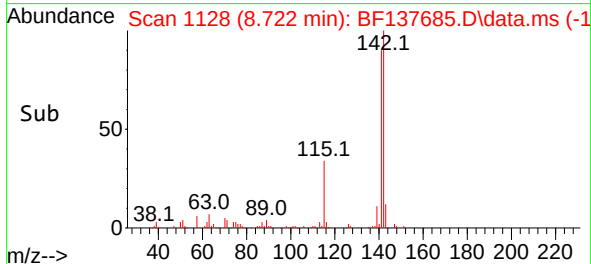
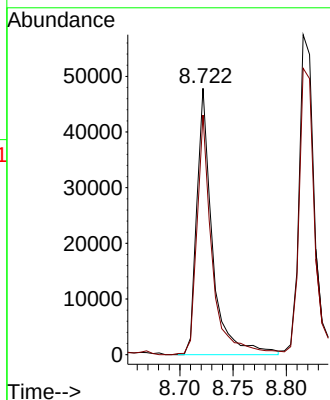
Tgt Ion:142 Resp: 48808
Ion Ratio Lower Upper
142 100
141 89.9 70.4 105.6

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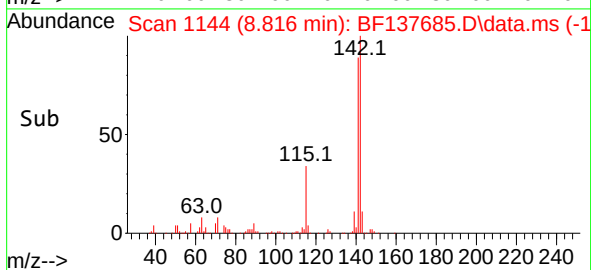
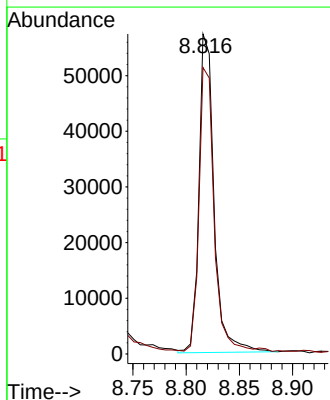
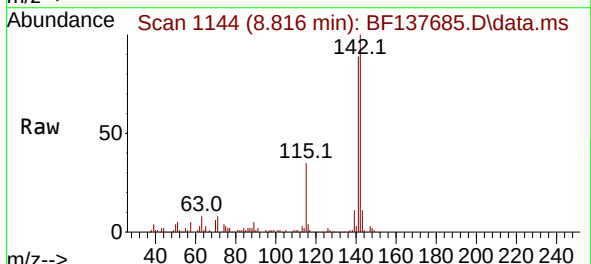
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Supervised By :mohammad
ahmed

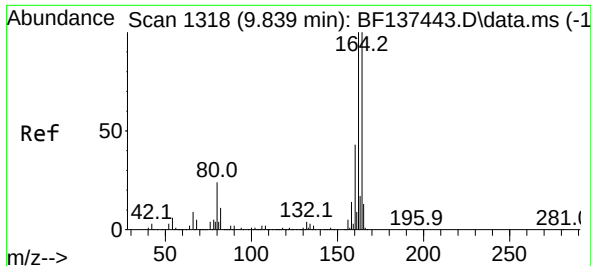
03/26/2024



#38
1-Methylnaphthalene
Concen: 2.764 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

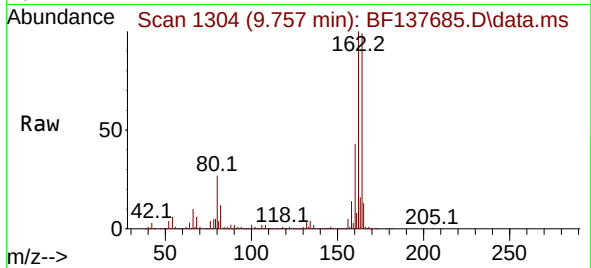
Tgt Ion:142 Resp: 56824
Ion Ratio Lower Upper
142 100
141 89.5 73.4 110.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
BNA_F
ClientSampleId :
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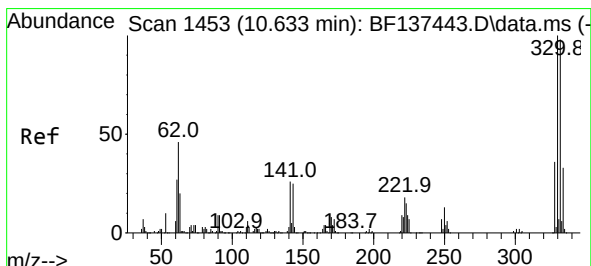
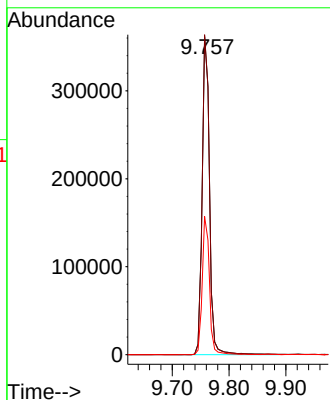
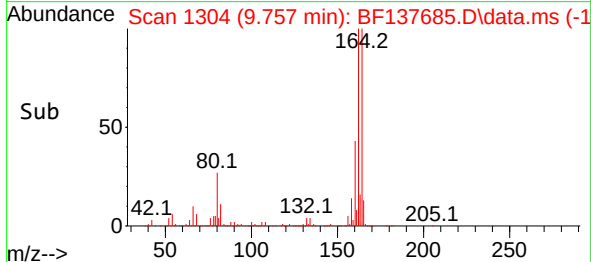
Tgt Ion:164 Resp: 323804
Ion Ratio Lower Upper
164 100
162 100.6 79.8 119.8
160 43.5 34.4 51.6

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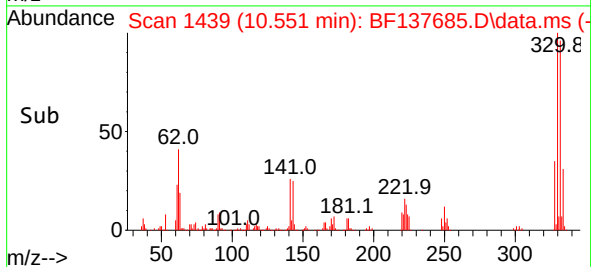
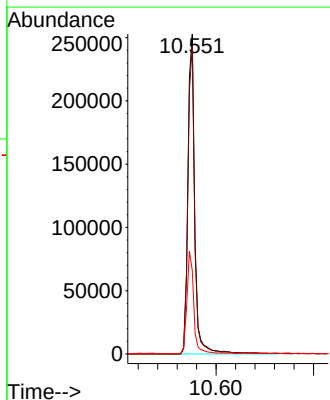
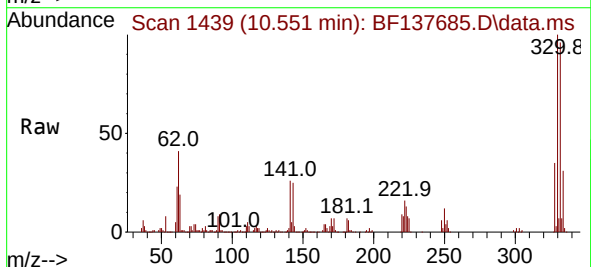
03/26/2024
Supervised By :mohammad
ahmed

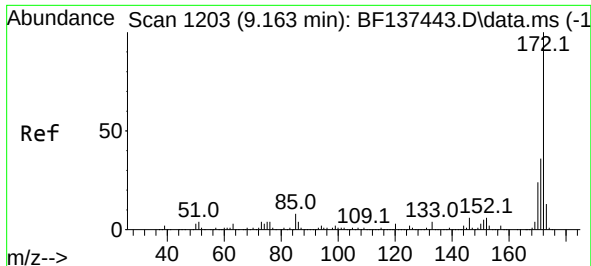
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#42
2,4,6-Tribromophenol
Concen: 87.101 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Tgt Ion:330 Resp: 247677
Ion Ratio Lower Upper
330 100
332 94.0 78.0 117.0
141 31.6 27.3 40.9





#45

2-Fluorobiphenyl

Concen: 69.058 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.000 min

Lab File: BF137685.D

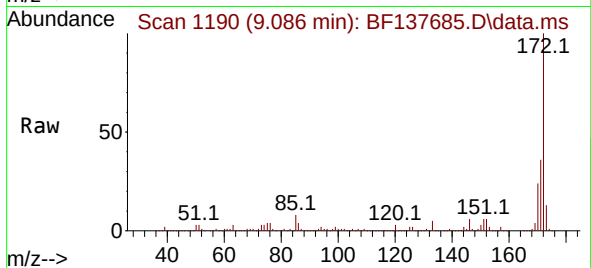
Acq: 22 Mar 2024 16:56

Instrument :

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ClientSampleId :

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Tgt Ion:172 Resp: 1428498

Ion Ratio Lower Upper

172 100

171 35.5 28.5 42.7

170 24.2 19.0 28.6

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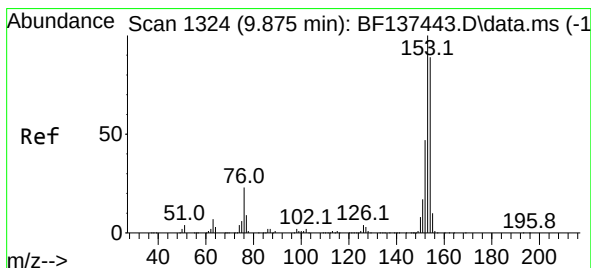
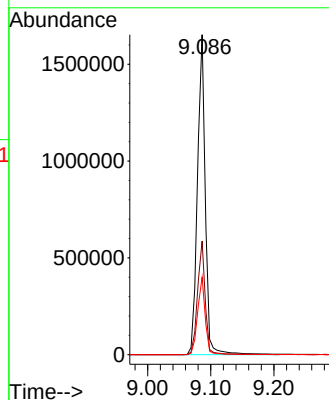
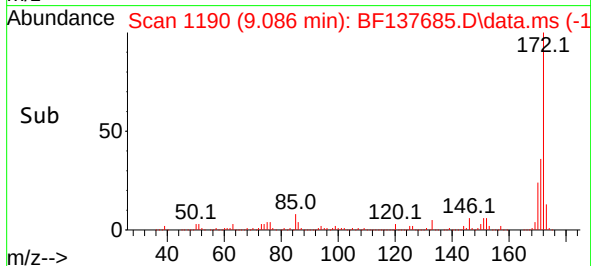
Reviewed By :Yogesh

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ahmed

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#52

Acenaphthene

Concen: 4.295 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.000 min

Lab File: BF137685.D

Acq: 22 Mar 2024 16:56

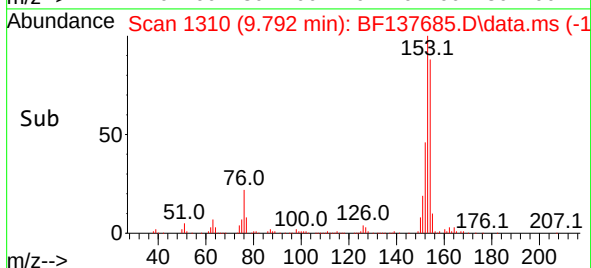
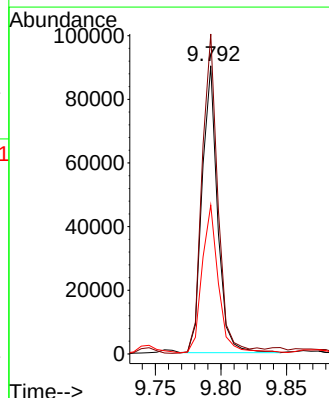
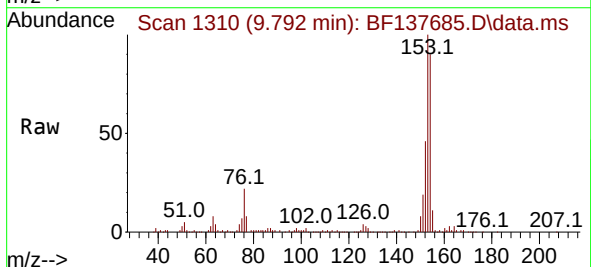
Tgt Ion:154 Resp: 74139

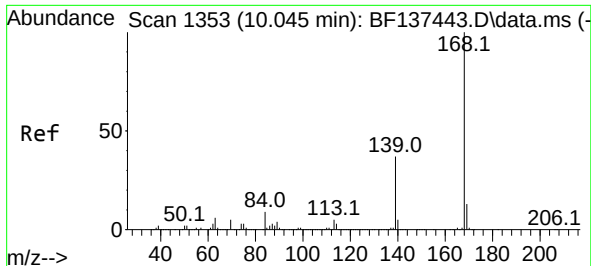
Ion Ratio Lower Upper

154 100

153 111.0 90.3 135.5

152 51.6 42.7 64.1





#55

Dibenzenofuran

Concen: 3.039 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137685.D

Acq: 22 Mar 2024 16:56

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:168	Resp:	79894
Ion Ratio	Lower	Upper
168	100	
139	34.1	29.8 44.6
169	14.9	10.8 16.2

Manual Integrations

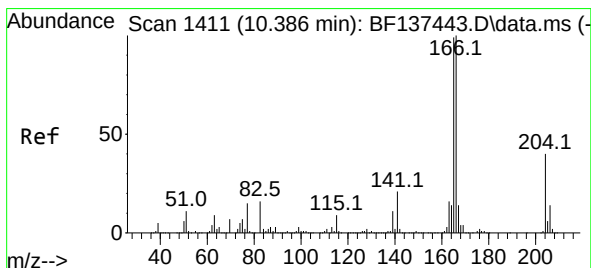
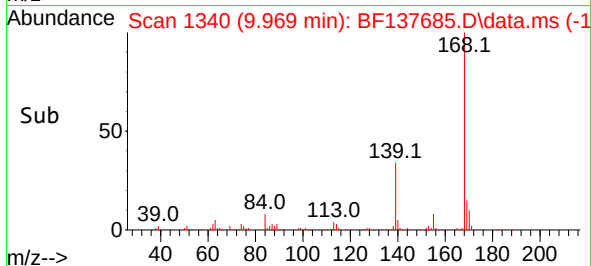
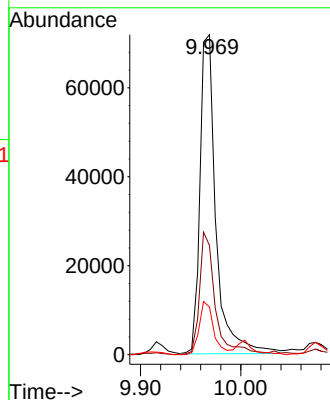
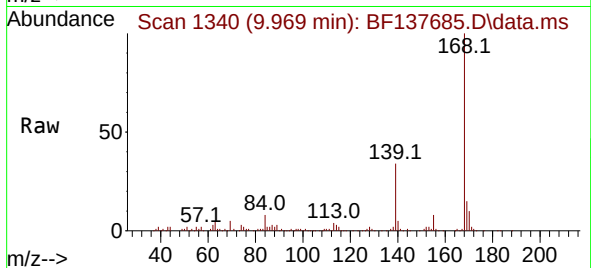
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ahmed

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#58

Fluorene

Concen: 6.349 ng

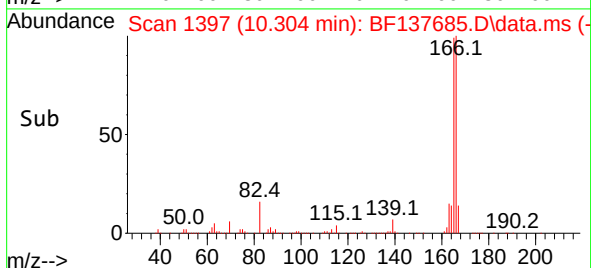
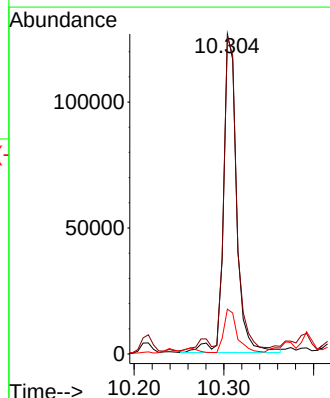
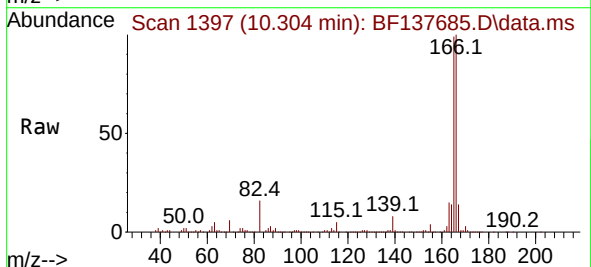
RT: 10.304 min Scan# 1397

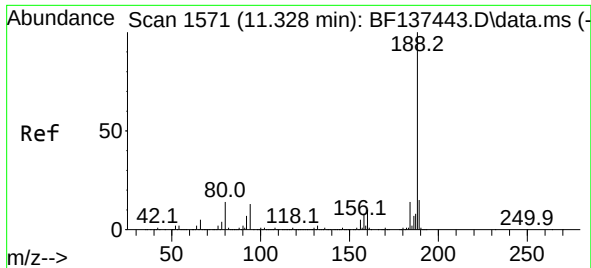
Delta R.T. -0.006 min

Lab File: BF137685.D

Acq: 22 Mar 2024 16:56

Tgt Ion:166	Resp:	128206
Ion Ratio	Lower	Upper
166	100	
165	99.2	79.2 118.8
167	14.0	11.0 16.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
BNA_F
ClientSampleId :
600581536

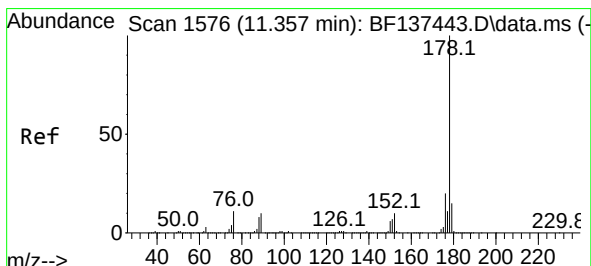
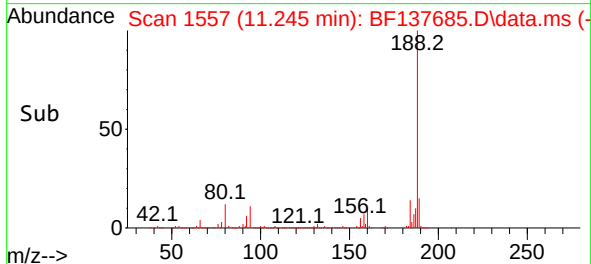
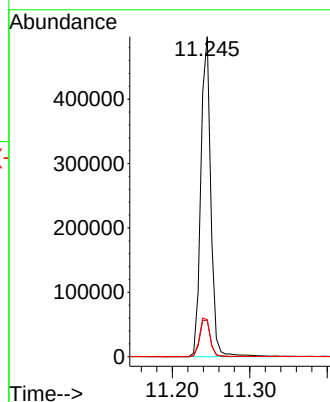
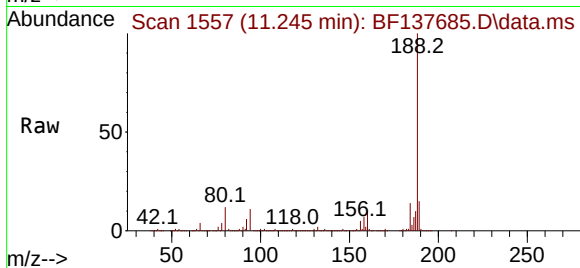
Tgt Ion:188 Resp: 44335
Ion Ratio Lower Upper
188 100
94 11.4 10.6 15.8
80 11.6 11.5 17.3

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Reviewed By :Yogesh
Patel

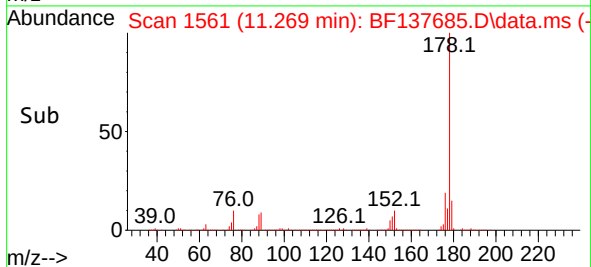
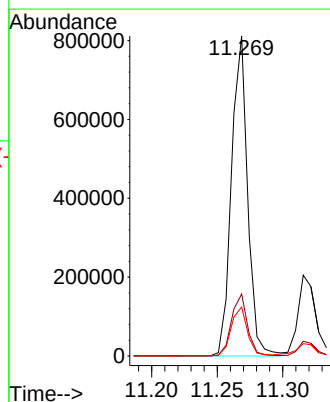
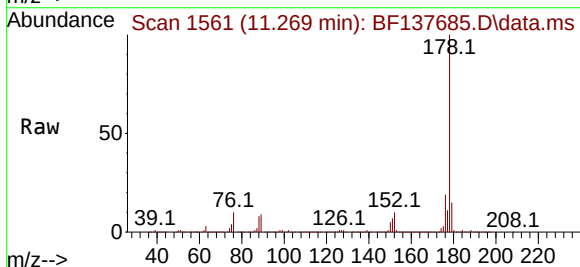
03/26/2024
Supervised By :mohammad
ahmed

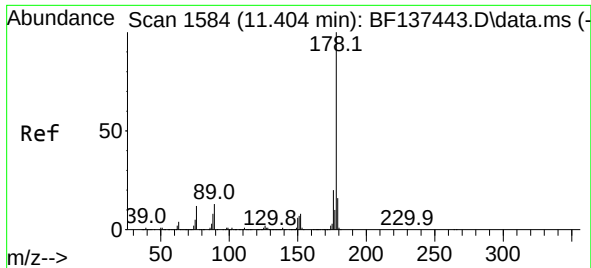
03/26/2024



#71
Phenanthrene
Concen: 28.811 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Tgt Ion:178 Resp: 695164
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.3 12.2 18.2





#72
 Anthracene
 Concen: 8.022 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.000 min
 Lab File: BF137685.D
 Acq: 22 Mar 2024 16:56

Instrument :
 BNA_F
 ClientSampleId :
 600581536

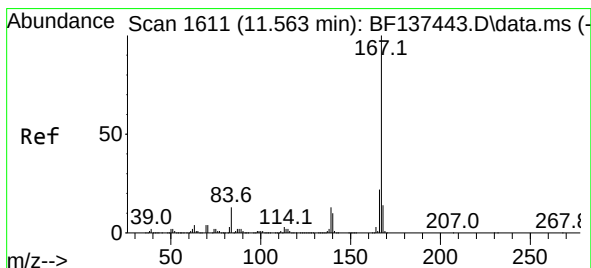
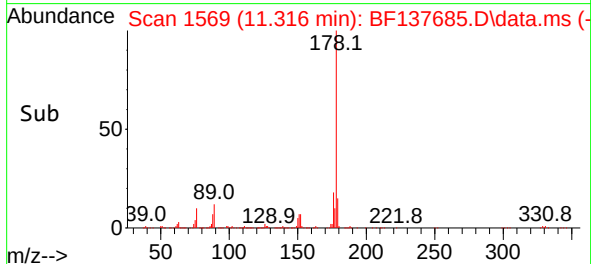
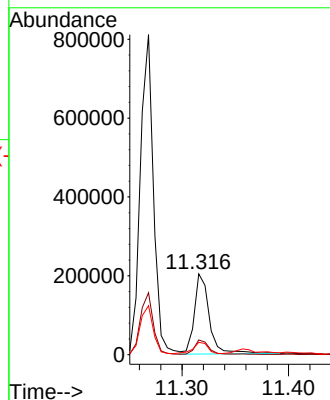
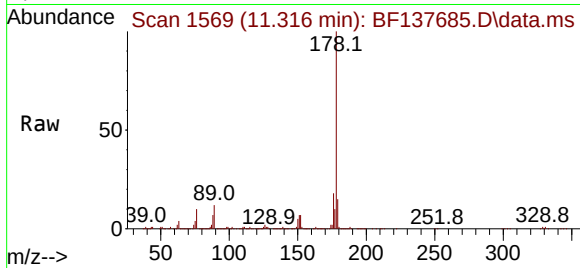
Tgt Ion:178 Resp: 19879
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 15.3 12.7 19.1

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 Patel

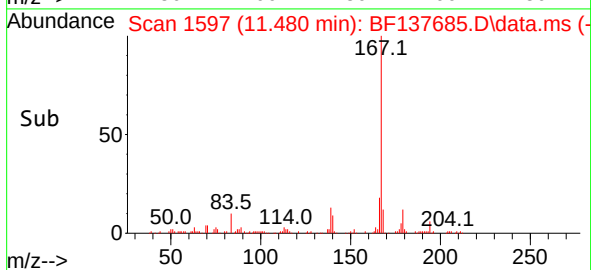
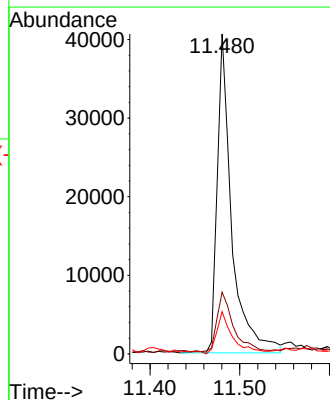
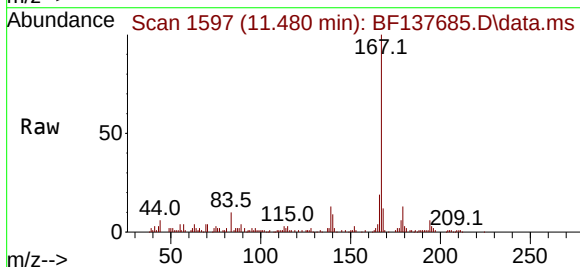
03/26/2024
 Supervised By :mohammad
 ahmed

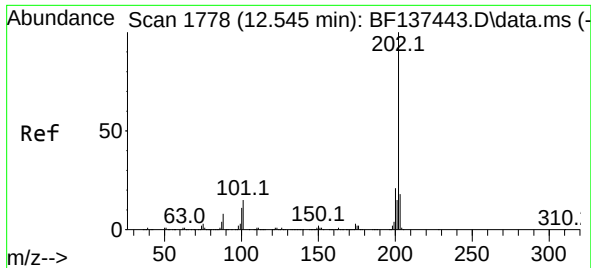
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#73
 Carbazole
 Concen: 2.134 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. 0.006 min
 Lab File: BF137685.D
 Acq: 22 Mar 2024 16:56

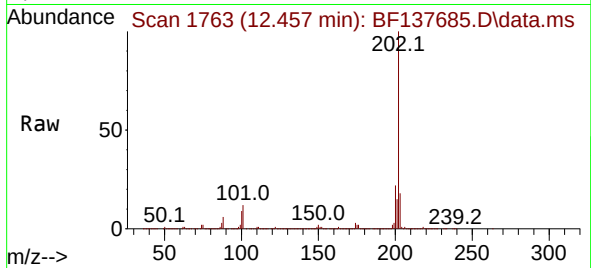
Tgt Ion:167 Resp: 45308
 Ion Ratio Lower Upper
 167 100
 166 19.3 17.8 26.8
 139 13.2 10.5 15.7





#75
Fluoranthene
Concen: 31.477 ng
RT: 12.457 min Scan# 1778
Delta R.T. 0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
BNA_F
ClientSampleId :
600581536



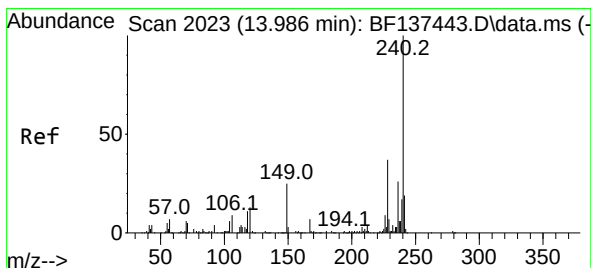
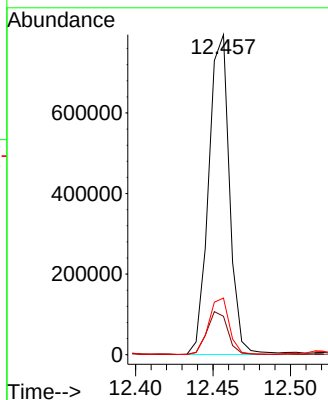
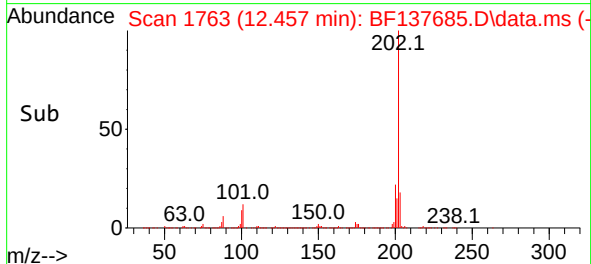
Tgt Ion:202 Resp: 74239
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.0
203 17.7 0.0 37.7

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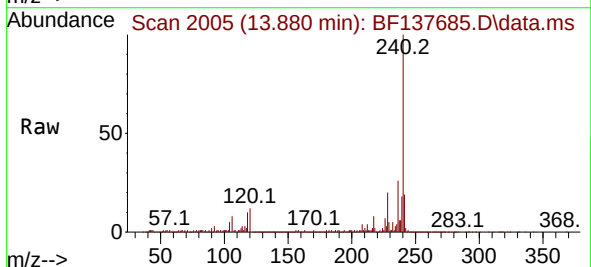
Reviewed By :Yogesh
Patel

03/26/2024
Supervised By :mohammad
ahmed

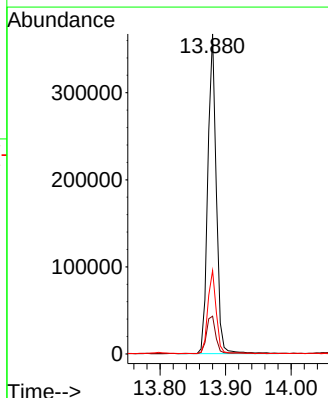
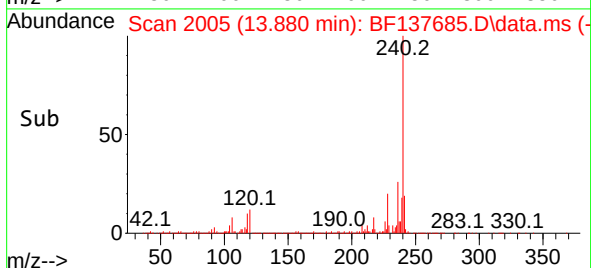
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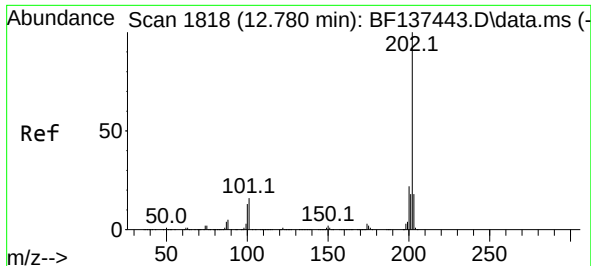


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56



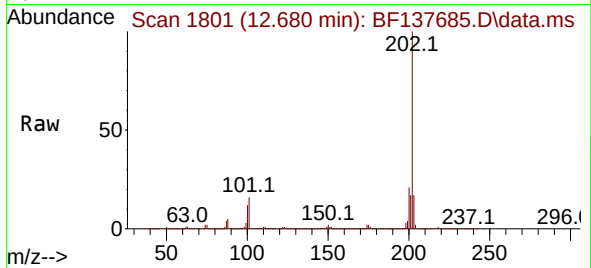
Tgt Ion:240 Resp: 330268
Ion Ratio Lower Upper
240 100
120 11.8 10.4 15.6
236 26.1 20.9 31.3





#78
Pyrene
Concen: 21.191 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
BNA_F
ClientSampleId :
600581536



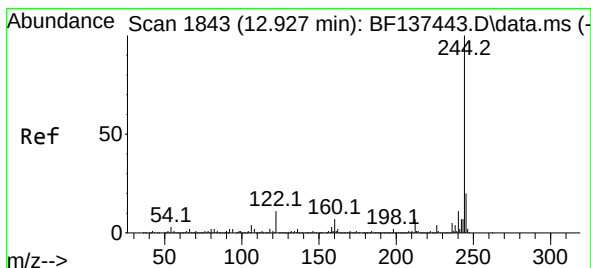
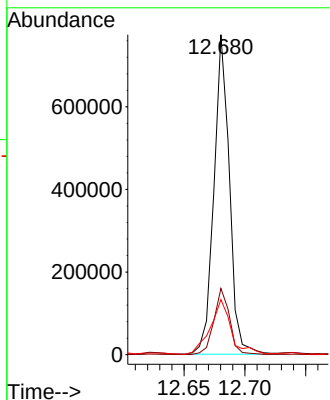
Tgt Ion:202 Resp: 68674
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.2 14.1 21.1

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Patel

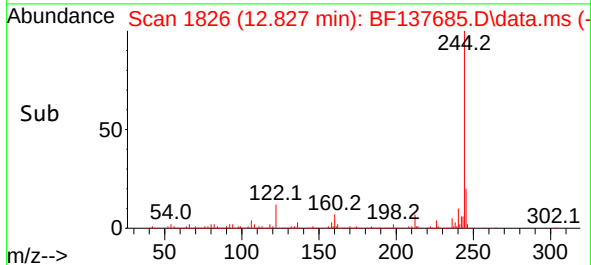
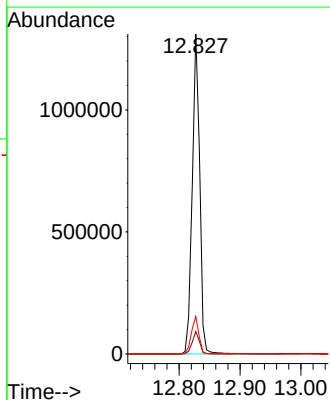
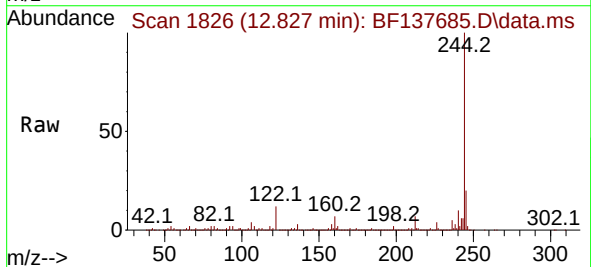
03/26/2024
Supervised By :mohammad
ahmed

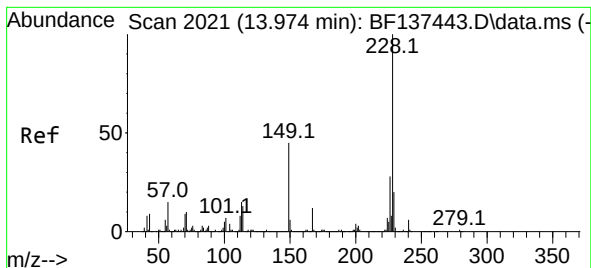
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#79
Terphenyl-d14
Concen: 46.734 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Tgt Ion:244 Resp: 1122441
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 11.7 9.1 13.7





#81

Benzo(a)anthracene

Concen: 15.615 ng

RT: 13.868 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF137685.D

Acq: 22 Mar 2024 16:56

Instrument :

BNA_F

ClientSampleId :

600581536

Tgt Ion:228 Resp: 36145
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.3 33.5
 229 21.5 16.3 24.5

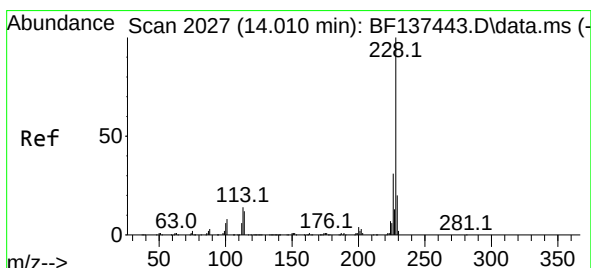
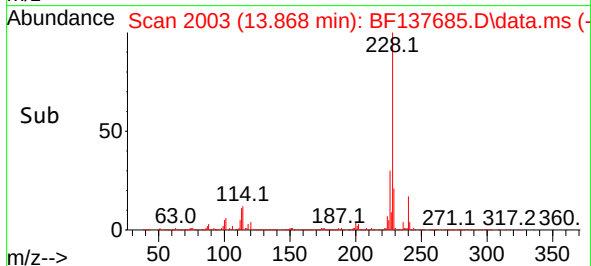
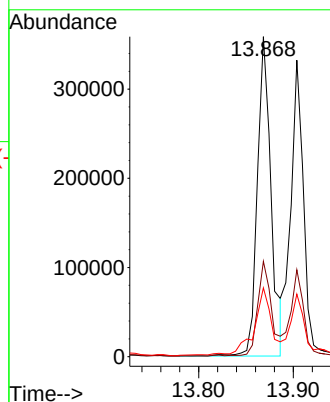
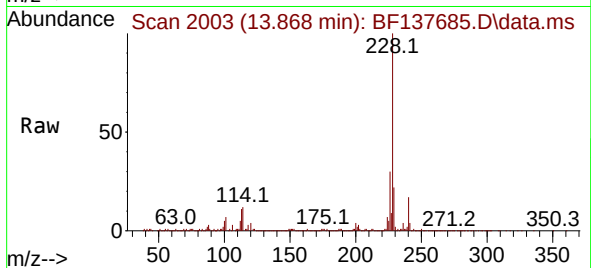
Manual Integrations
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Reviewed By :Yogesh
 Patel

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Supervised By :mohammad
 ahmed

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#83

Chrysene

Concen: 13.273 ng

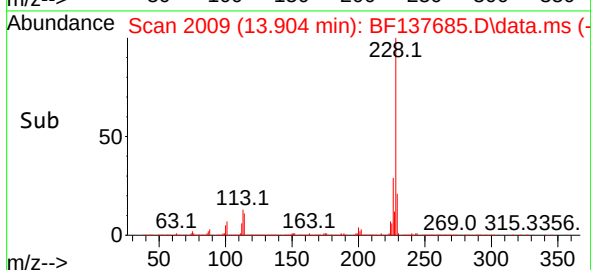
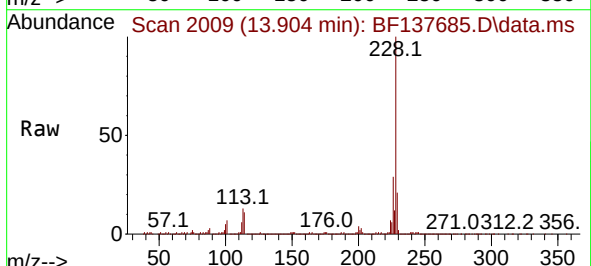
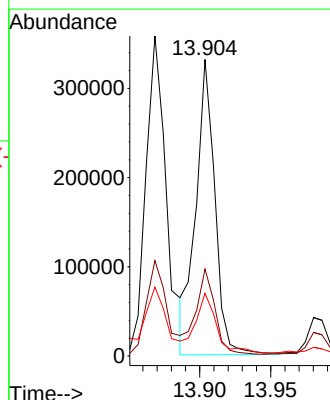
RT: 13.904 min Scan# 2009

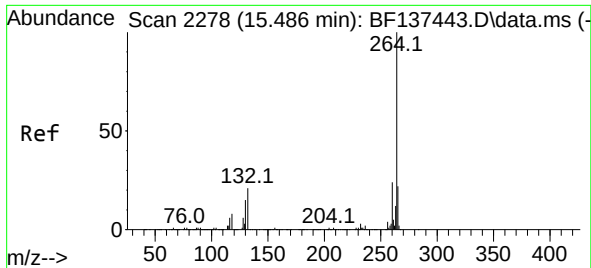
Delta R.T. -0.000 min

Lab File: BF137685.D

Acq: 22 Mar 2024 16:56

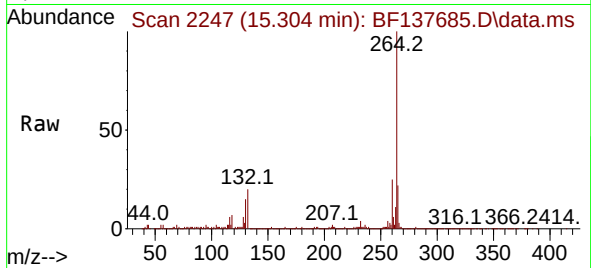
Tgt Ion:228 Resp: 310523
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.7 37.1
 229 21.1 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
BNA_F
ClientSampleId :
600581536



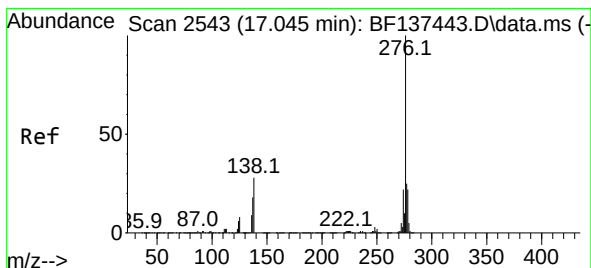
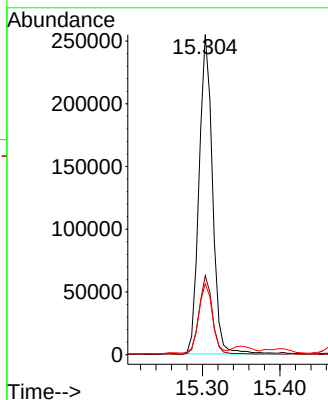
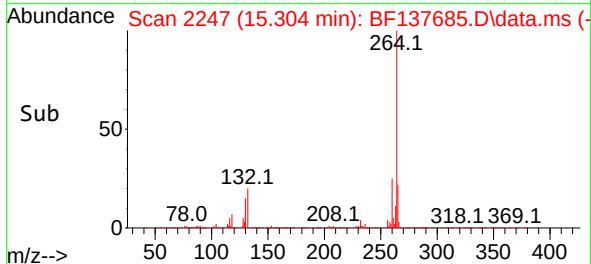
Tgt Ion:264 Resp: 30553
Ion Ratio Lower Upper
264 100
260 24.7 19.3 28.9
265 22.1 17.4 26.0

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Patel

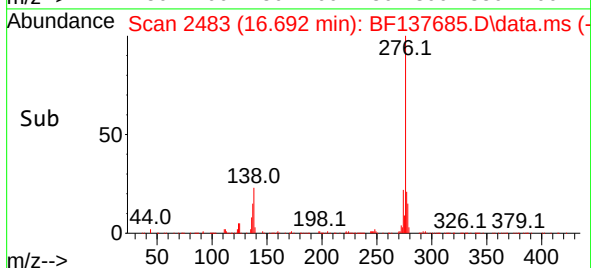
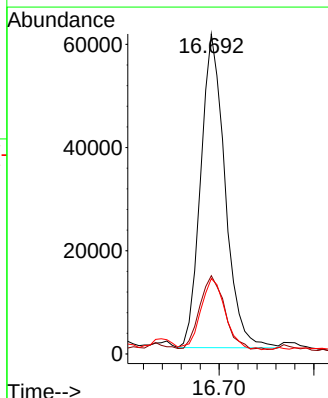
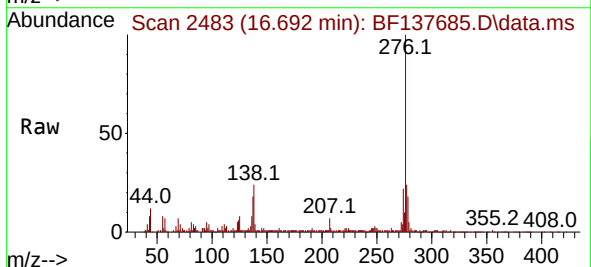
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Supervised By :mohammad
ahmed

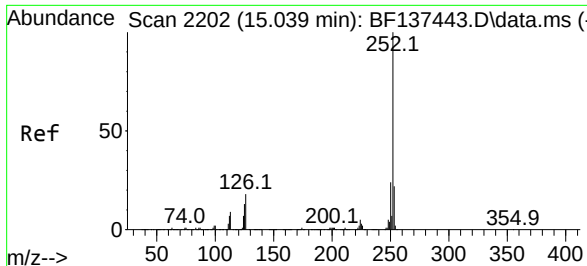
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#87
Indeno(1,2,3-cd)pyrene
Concen: 5.391 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

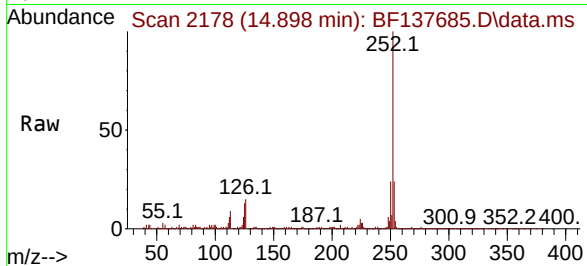
Tgt Ion:276 Resp: 108397
Ion Ratio Lower Upper
276 100
138 24.3 25.8 38.8#
277 22.9 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 18.818 ng m
RT: 14.898 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Instrument :
BNA_F
ClientSampleId :
600581536



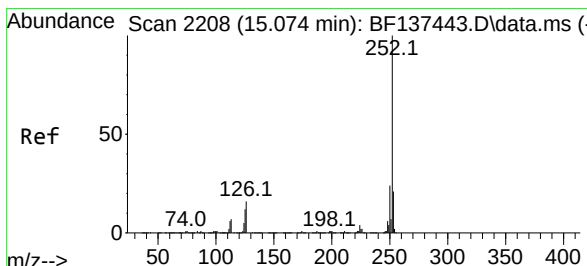
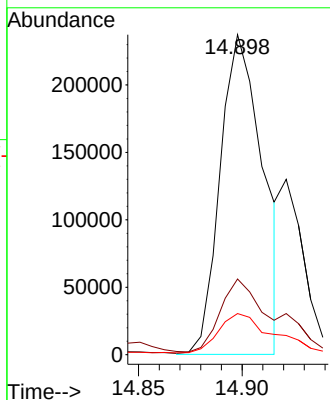
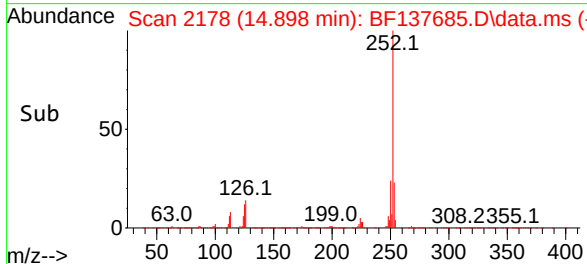
Tgt Ion:252 Resp: 340114
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 12.8 10.1 15.1

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Patel

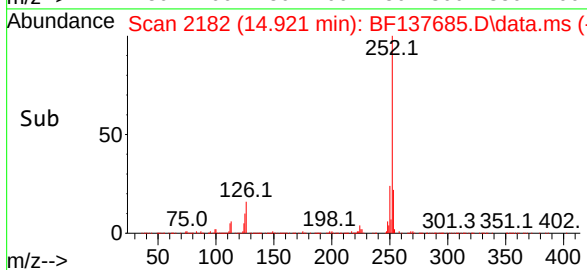
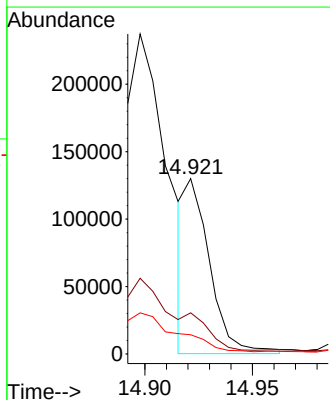
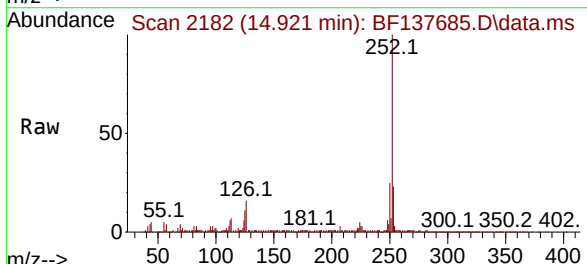
03/26/2024
Supervised By :mohammad
ahmed

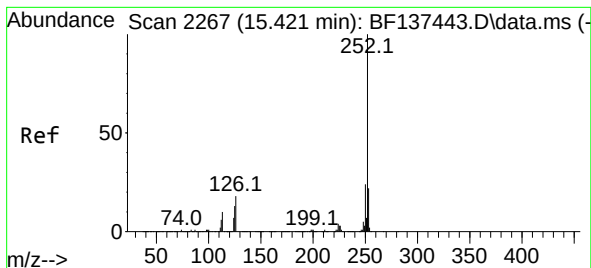
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#89
Benzo(k)fluoranthene
Concen: 5.380 ng m
RT: 14.921 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BF137685.D
Acq: 22 Mar 2024 16:56

Tgt Ion:252 Resp: 104444
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 10.9 9.6 14.4





#90

Benzo(a)pyrene

Concen: 13.814 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137685.D

Acq: 22 Mar 2024 16:56

Instrument :

BNF

ClientSampleId :

600581536

Tgt Ion:252	Resp: 24603
Ion Ratio	Lower Upper
252 100	
253 23.4	17.4 26.2
125 12.7	10.4 15.6

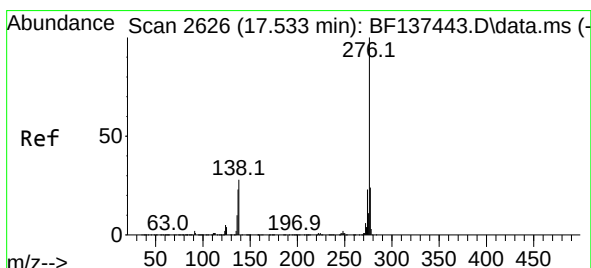
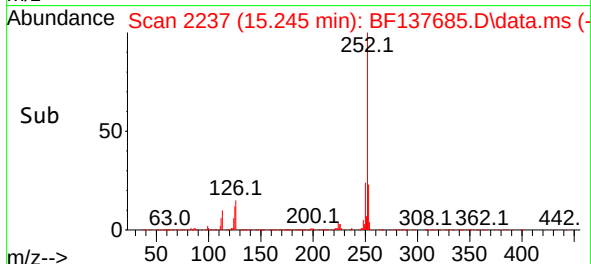
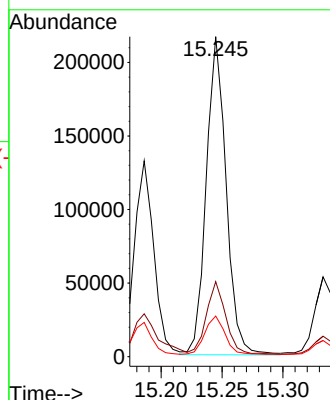
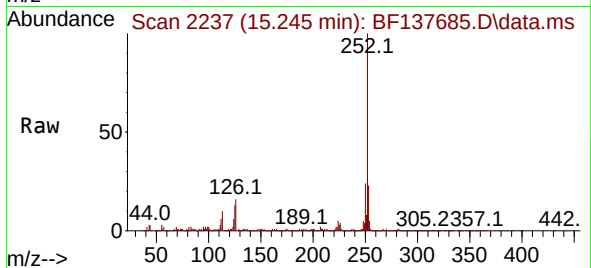
Manual Integrations
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Reviewed By :Yogesh
Patel

03/26/2024

Supervised By :mohammad
ahmed

03/26/2024



#92

Benzo(g,h,i)perylene

Concen: 5.992 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.006 min

Lab File: BF137685.D

Acq: 22 Mar 2024 16:56

Tgt Ion:276	Resp: 100372
Ion Ratio	Lower Upper
276 100	
277 23.3	19.0 28.4
138 26.9	22.2 33.2

