

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133660.D
 Acq On : 09 Jun 2023 02:02
 Operator : CG\JU
 Sample : 03002-09DL2 20X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC02DL2

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

06/09/2023
 Supervised By :mohammad
 ahmed

Quant Time: Jun 09 04:12:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	94297	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	314015	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	129567	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	245480	20.000	ng	0.00
76) Chrysene-d12	14.010	240	156430	20.000	ng	0.00
86) Perylene-d12	15.480	264	130026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	20594	3.644	ng	0.00
7) Phenol-d6	6.457	99	24677	3.547	ng	-0.01
23) Nitrobenzene-d5	7.392	82	13037	2.772	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	4450	3.445	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	27378	3.261	ng	0.00
79) Terphenyl-d14	12.951	244	29687	3.374	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.834	142	33870	3.259	ng	96
38) 1-Methylnaphthalene	8.934	142	29562	3.051	ng	96
52) Acenaphthene	9.910	154	46777	5.931	ng	96
55) Dibenzofuran	10.081	168	56659	4.829	ng	98
58) Fluorene	10.428	166	97327	11.322	ng	99
71) Phenanthrene	11.392	178	610498	49.102	ng	100
72) Anthracene	11.439	178	221306	17.295	ng	99
73) Carbazole	11.592	167	42240	3.490	ng	96
75) Fluoranthene	12.586	202	607865	44.261	ng	97
78) Pyrene	12.816	202	515153	38.700	ng	98
81) Benzo(a)anthracene	14.004	228	228764	21.953	ng	98
83) Chrysene	14.039	228	192752	18.322	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	53443	6.453	ng	94
88) Benzo(b)fluoranthene	15.051	252	173644m	20.508	ng	
89) Benzo(k)fluoranthene	15.074	252	55365m	6.706	ng	
90) Benzo(a)pyrene	15.415	252	128958	16.738	ng	99
91) Dibenzo(a,h)anthracene	16.951	278	14825m	2.208	ng	
92) Benzo(g,h,i)perylene	17.380	276	51005	7.533	ng	98

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

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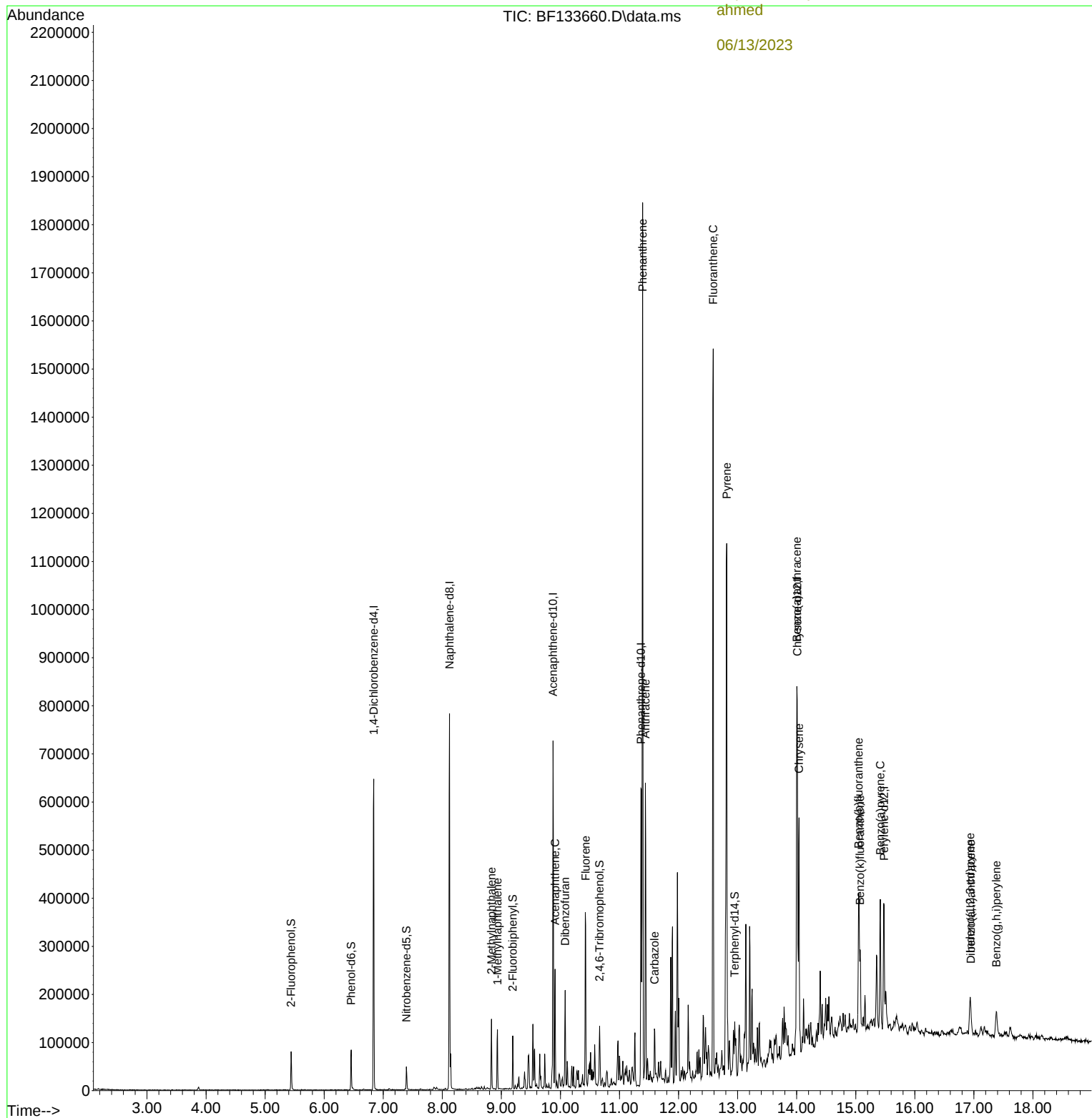
Manual Integrations
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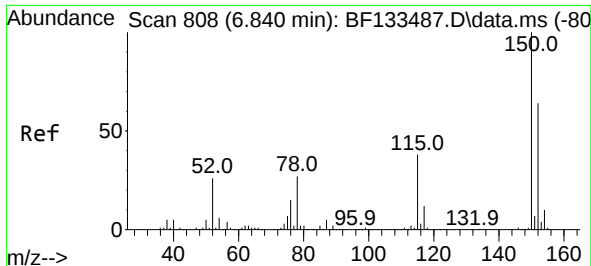
Reviewed By :Yogesh
Patel

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Supervised By :mohammad
ahmed

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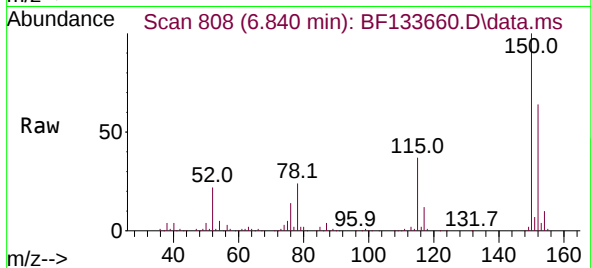
Quant Time: Jun 09 04:12:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 11:43:32 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
BNA_F
ClientSampleId :
WC02DL2



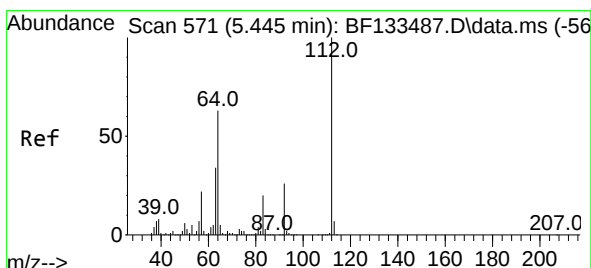
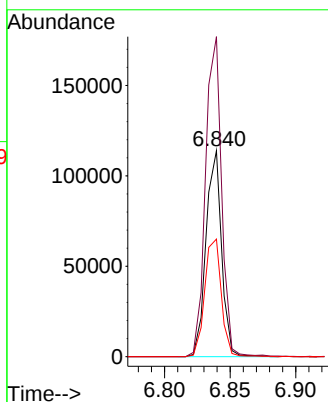
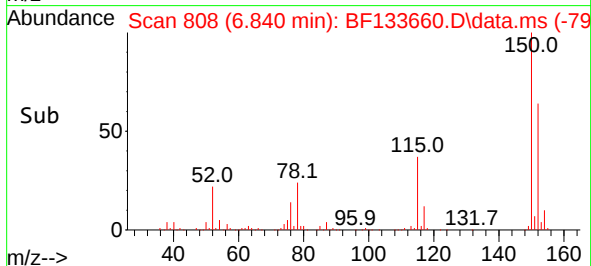
Tgt Ion:152 Resp: 9429
Ion Ratio Lower Upper
152 100
150 155.3 124.9 187.3
115 57.1 48.1 72.1

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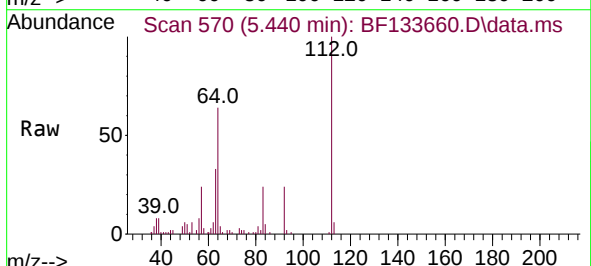
Reviewed By :Yogesh
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ahmed

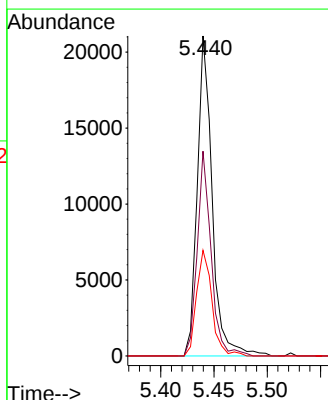
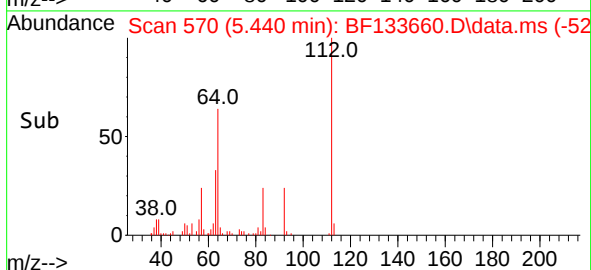
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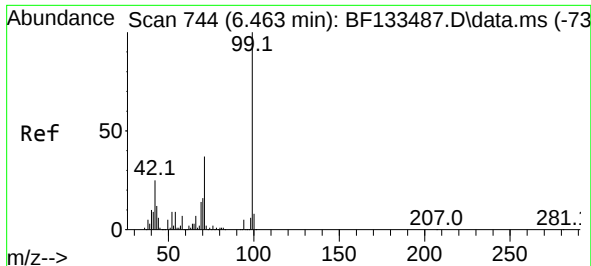


#5
2-Fluorophenol
Concen: 3.644 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02



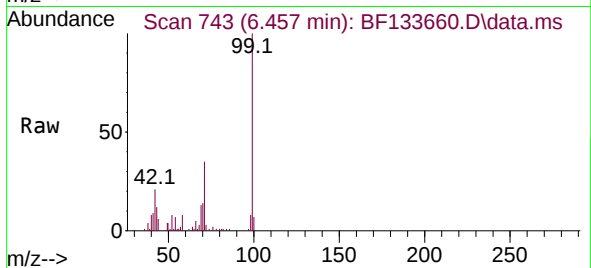
Tgt Ion:112 Resp: 20594
Ion Ratio Lower Upper
112 100
64 64.0 50.1 75.1
63 33.0 27.5 41.3





#7
Phenol-d6
Concen: 3.547 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
BNA_F
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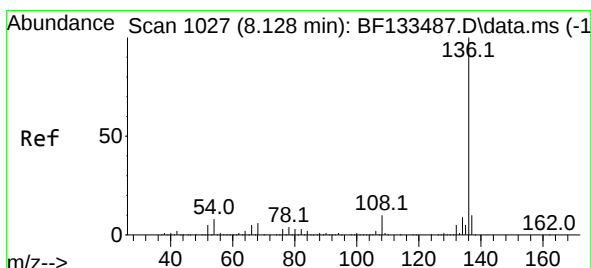
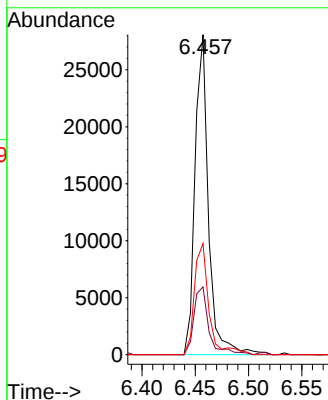
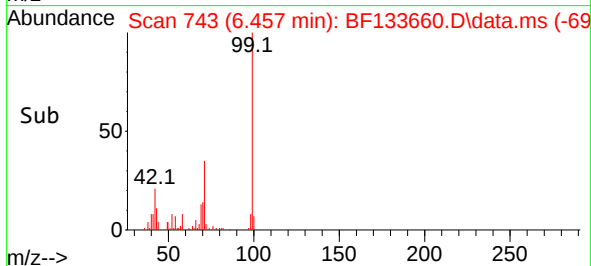
Tgt Ion: 99 Resp: 2467
Ion Ratio Lower Upper
99 100
42 21.2 19.7 29.5
71 34.8 29.8 44.8

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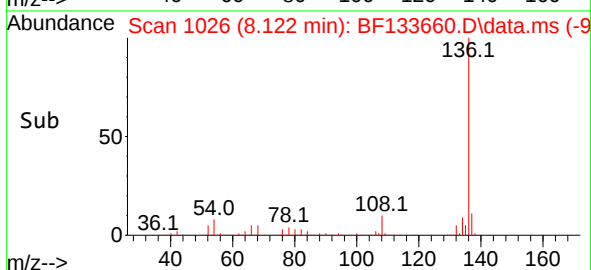
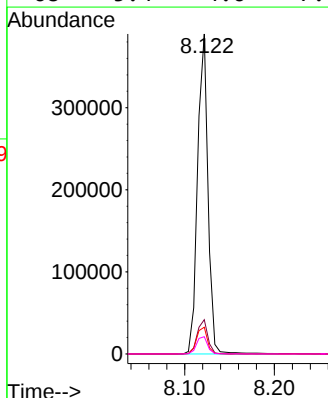
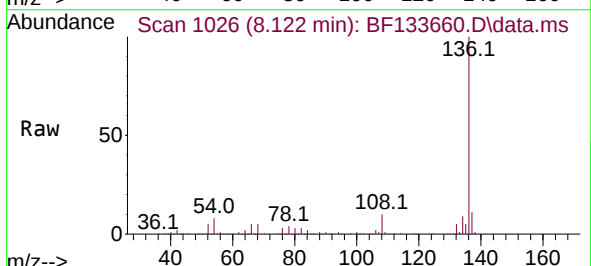
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

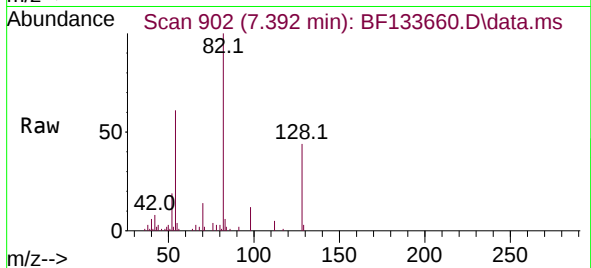
Tgt Ion:136 Resp: 314015
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 8.4 6.6 10.0
68 5.4 4.6 7.0





#23
Nitrobenzene-d5
Concen: 2.772 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
BNA_F
ClientSampleId :
WC02DL2



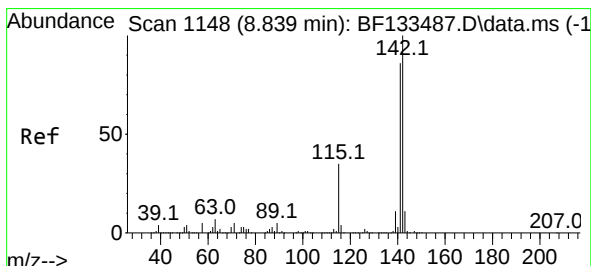
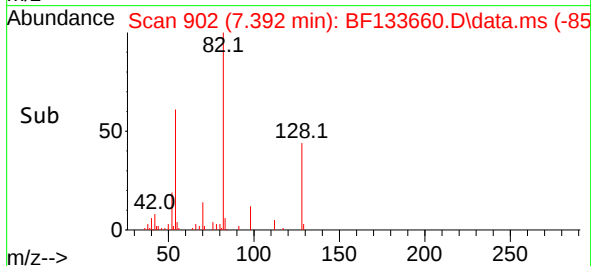
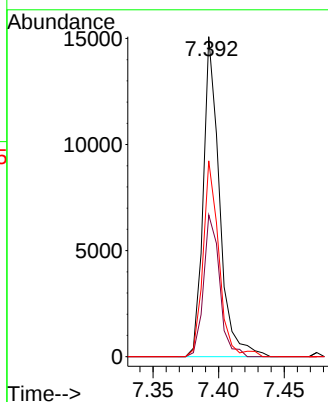
Tgt Ion: 82 Resp: 1303
Ion Ratio Lower Upper
82 100
128 44.3 34.2 51.4
54 61.2 48.2 72.4

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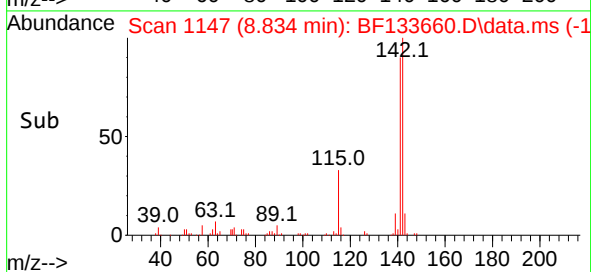
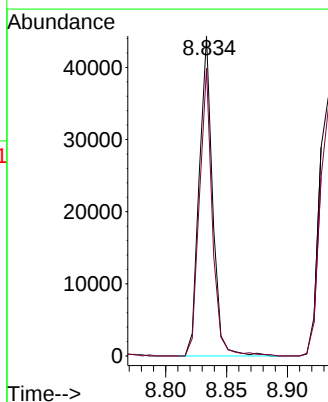
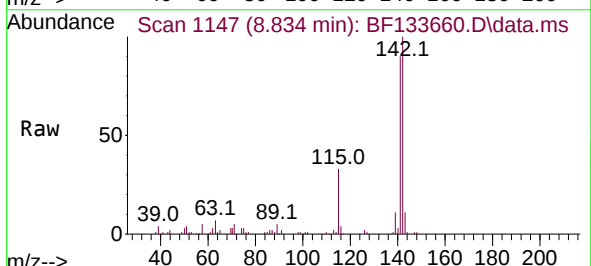
06/09/2023
Supervised By :mohammad
ahmed

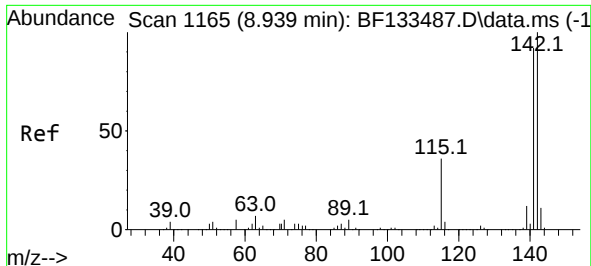
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#37
2-Methylnaphthalene
Concen: 3.259 ng
RT: 8.834 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Tgt Ion:142 Resp: 33870
Ion Ratio Lower Upper
142 100
141 89.9 69.2 103.8





#38
1-Methylnaphthalene
Concen: 3.051 ng
RT: 8.934 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
BNA_F
ClientSampleId :
WC02DL2

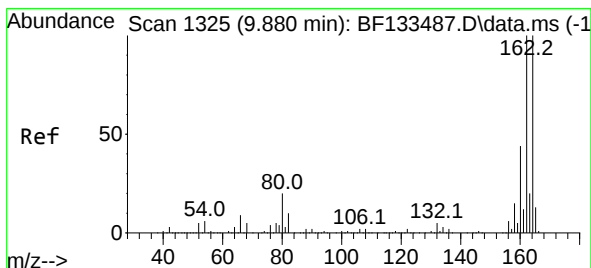
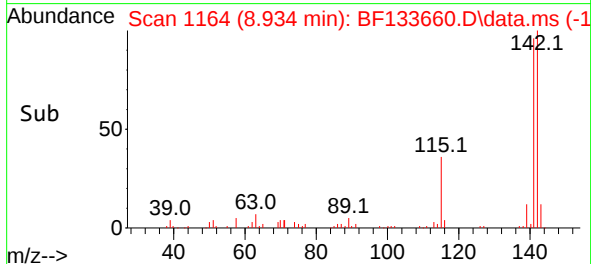
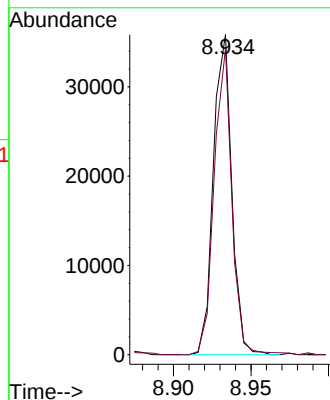
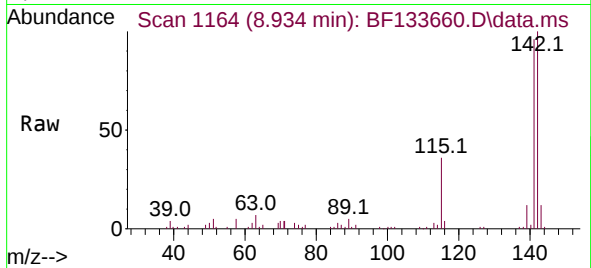
Tgt Ion:142 Resp: 29562
Ion Ratio Lower Upper
142 100
141 95.6 73.6 110.4

Manual Integrations
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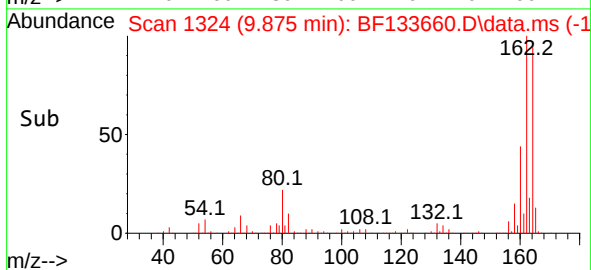
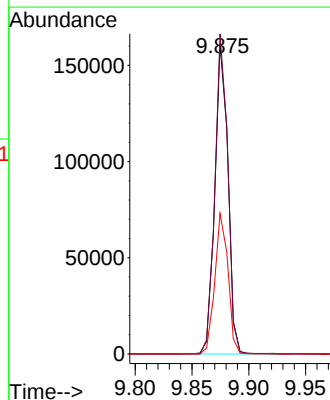
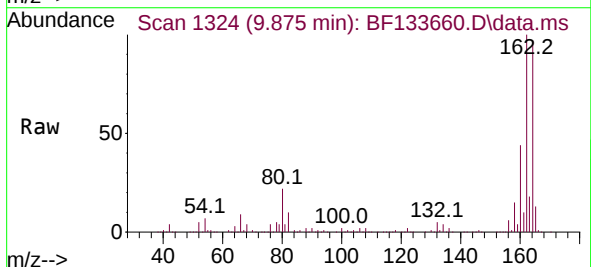
06/09/2023
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ahmed

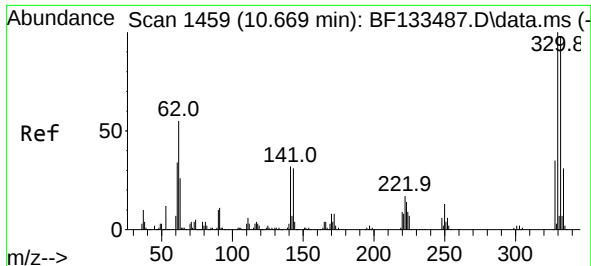
06/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

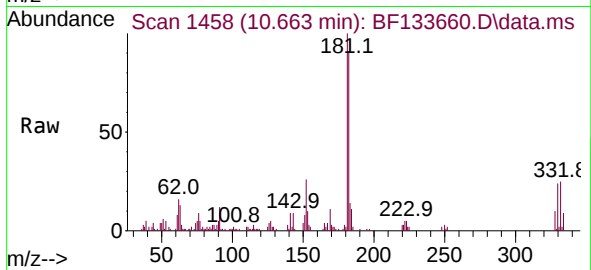
Tgt Ion:164 Resp: 129567
Ion Ratio Lower Upper
164 100
162 103.4 79.7 119.5
160 45.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 3.445 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
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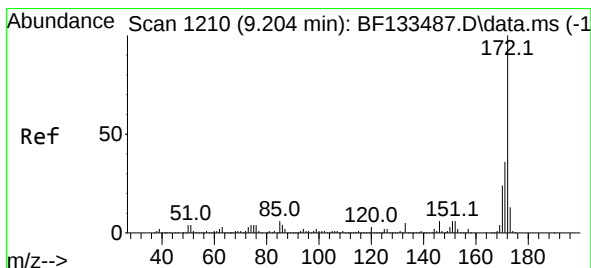
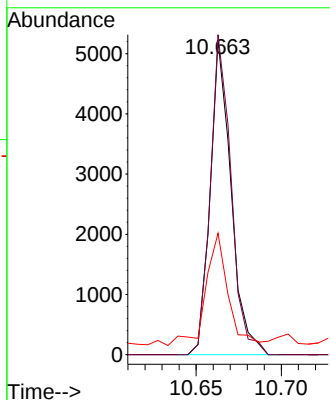
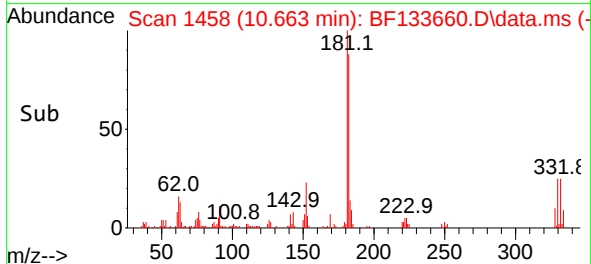
Tgt Ion: 330 Resp: 4450
Ion Ratio Lower Upper
330 100
332 101.7 77.8 116.6
141 55.9 26.6 40.0

Manual Integrations
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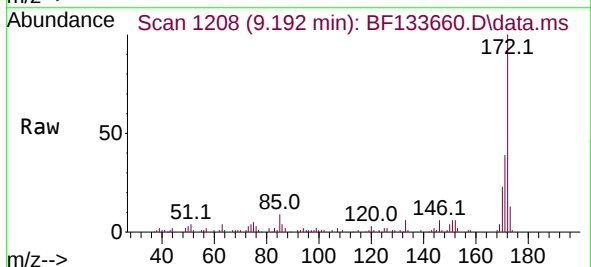
Reviewed By :Yogesh
Patel

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ahmed

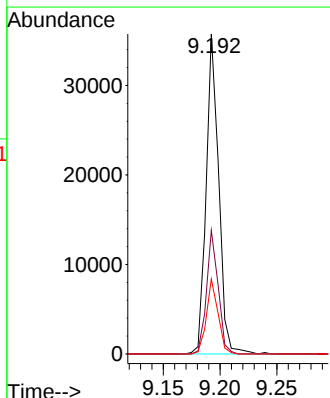
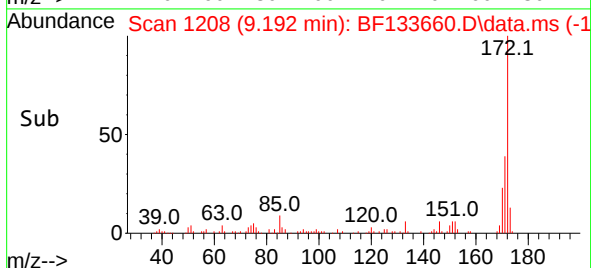
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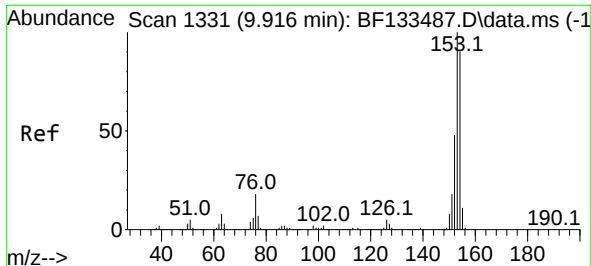


#45
2-Fluorobiphenyl
Concen: 3.261 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02



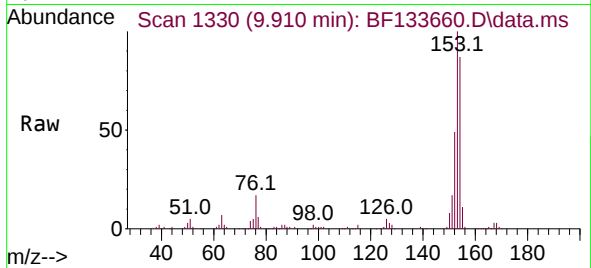
Tgt Ion: 172 Resp: 27378
Ion Ratio Lower Upper
172 100
171 38.6 28.4 42.6
170 23.4 19.3 28.9





#52
Acenaphthene
Concen: 5.931 ng
RT: 9.910 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
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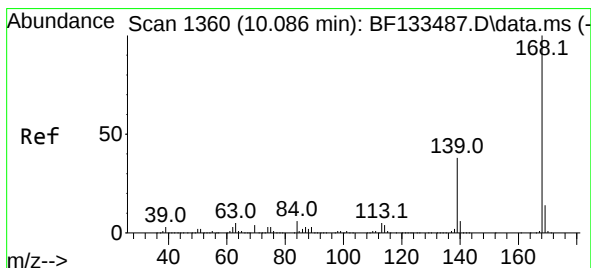
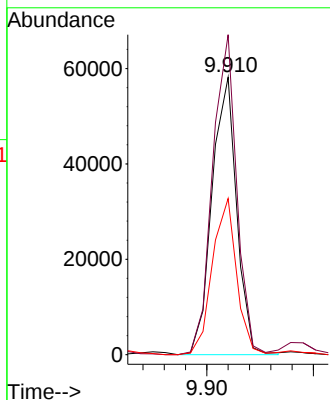
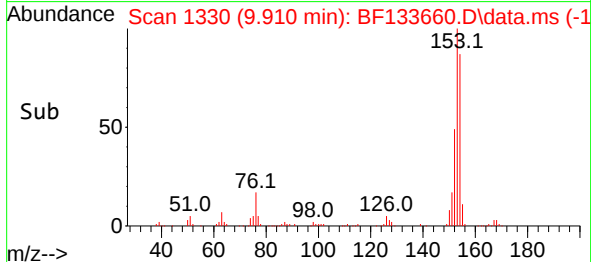
Tgt Ion:154 Resp: 4677
Ion Ratio Lower Upper
154 100
153 115.3 89.2 133.8
152 56.3 43.1 64.7

Manual Integrations
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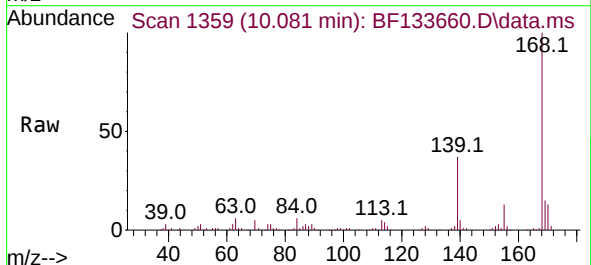
Reviewed By :Yogesh
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ahmed

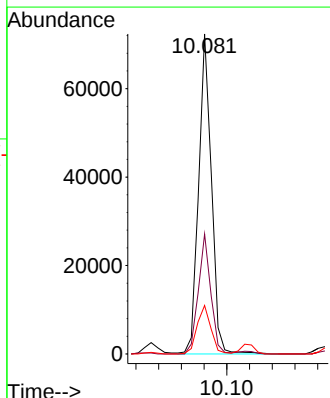
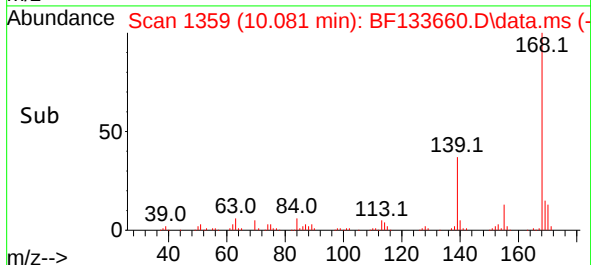
06/13/2023

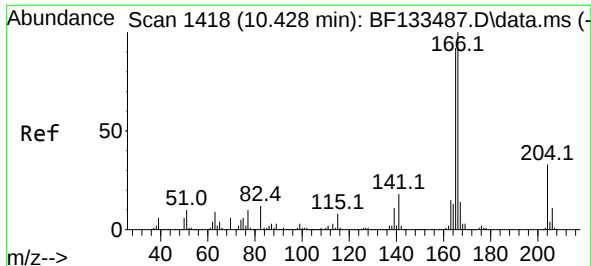


#55
Dibenzofuran
Concen: 4.829 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02



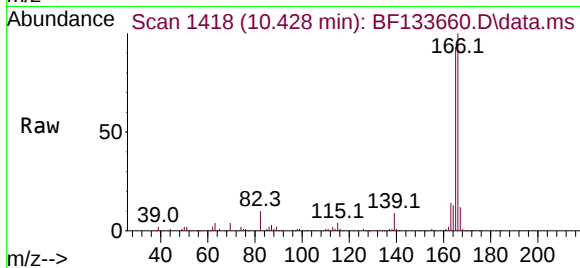
Tgt Ion:168 Resp: 56659
Ion Ratio Lower Upper
168 100
139 37.5 30.6 46.0
169 15.2 10.9 16.3





#58
Fluorene
Concen: 11.322 ng
RT: 10.428 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
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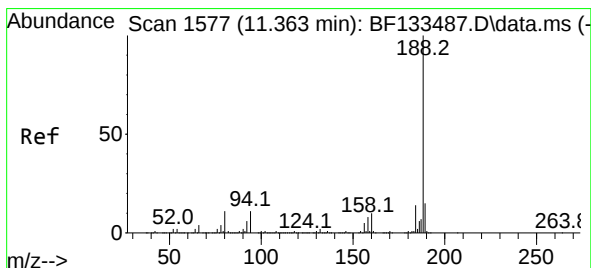
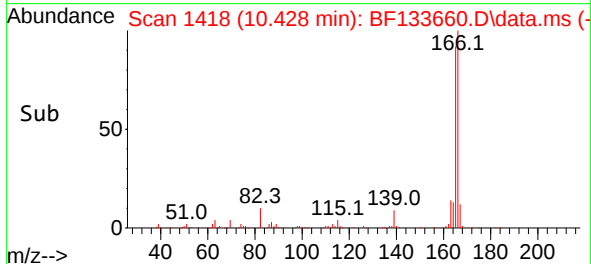
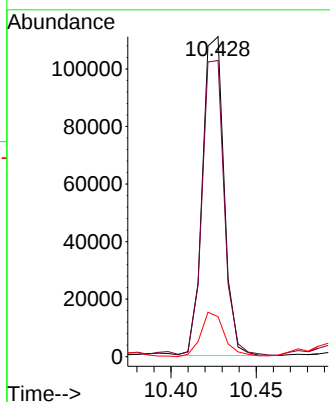
Tgt Ion:166 Resp: 9732
Ion Ratio Lower Upper
166 100
165 92.5 73.4 110.0
167 12.5 10.9 16.3

Manual Integrations
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Reviewed By :Yogesh
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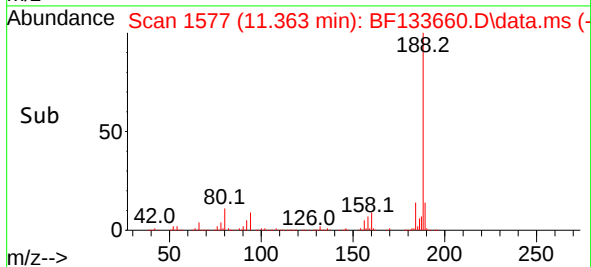
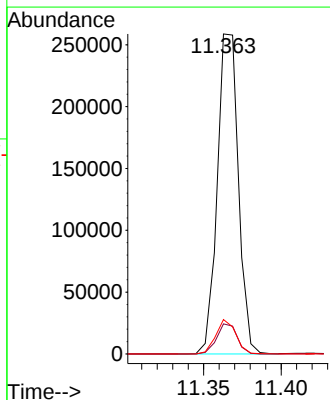
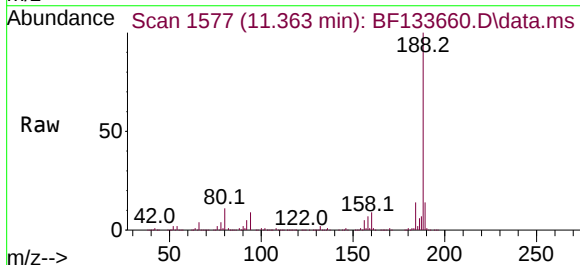
06/09/2023
Supervised By :mohammad
ahmed

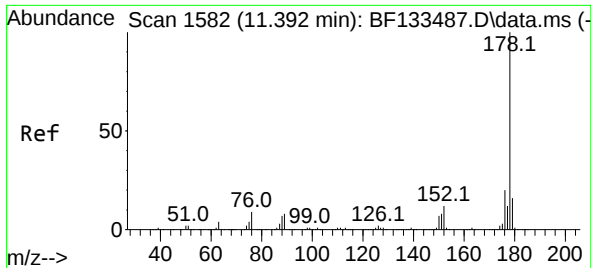
06/13/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

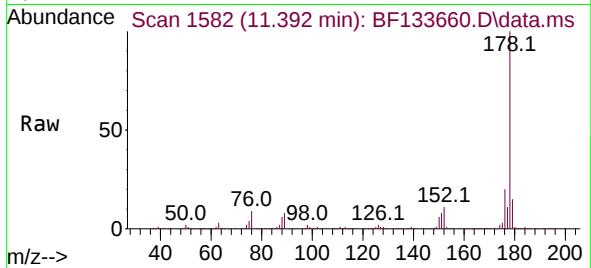
Tgt Ion:188 Resp: 245480
Ion Ratio Lower Upper
188 100
94 9.4 8.6 12.8
80 10.8 9.2 13.8





#71
Phenanthrene
Concen: 49.102 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
BNA_F
ClientSampleId :
WC02DL2



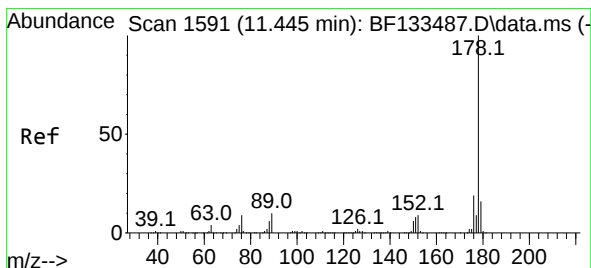
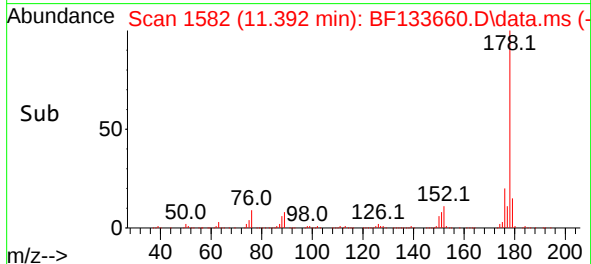
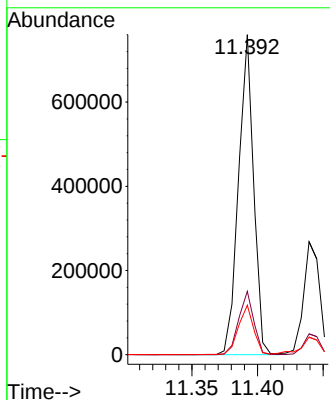
Tgt Ion:178 Resp: 610498
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.4 12.4 18.6

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Reviewed By :Yogesh
Patel

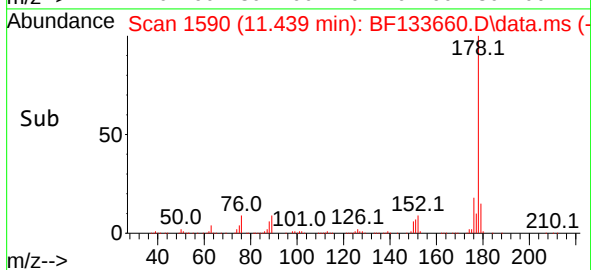
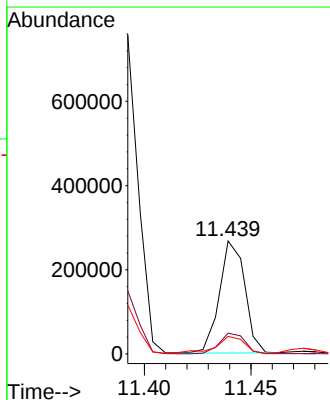
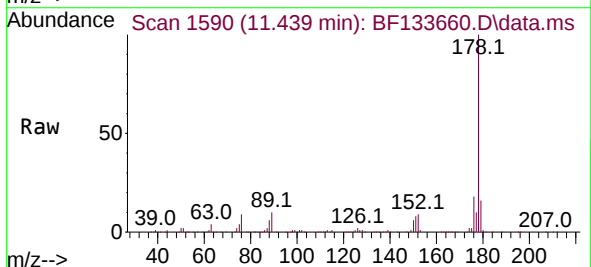
06/09/2023
Supervised By :mohammad
ahmed

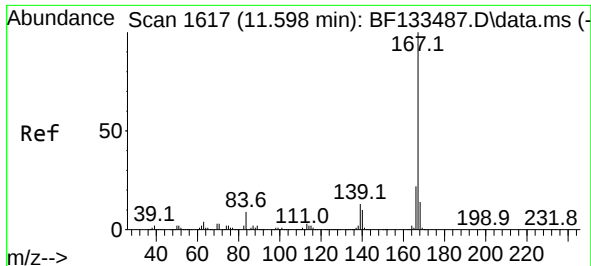
06/13/2023



#72
Anthracene
Concen: 17.295 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

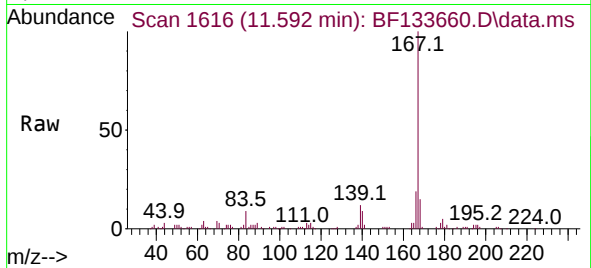
Tgt Ion:178 Resp: 221306
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.6 12.6 18.8





#73
 Carbazole
 Concen: 3.490 ng
 RT: 11.592 min Scan# 1617
 Delta R.T. -0.006 min
 Lab File: BF133660.D
 Acq: 09 Jun 2023 02:02

Instrument :
 BNA_F
 ClientSampleId :
 WC02DL2



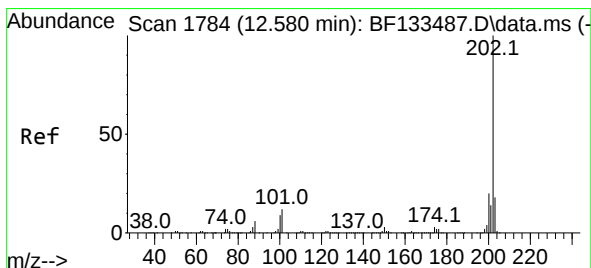
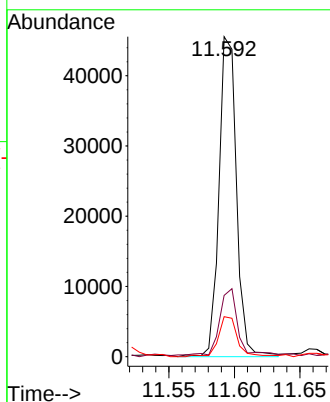
Tgt Ion:167 Resp: 42240
 Ion Ratio Lower Upper
 167 100
 166 19.2 17.3 25.9
 139 12.5 10.7 16.1

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Reviewed By :Yogesh
 Patel

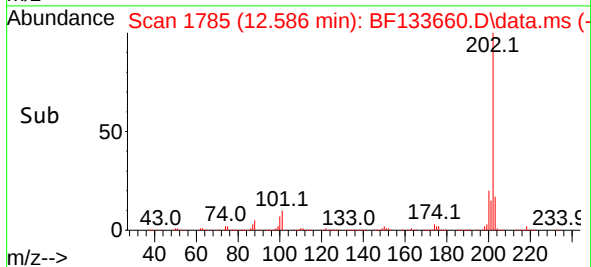
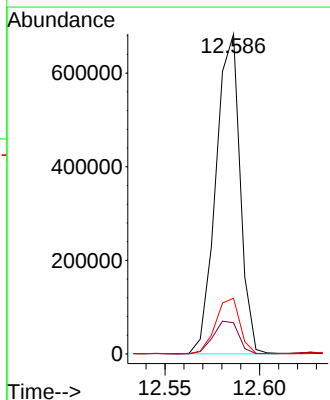
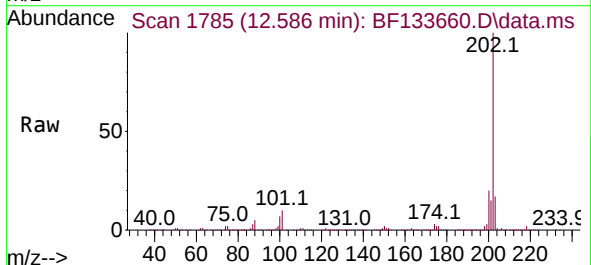
06/09/2023
 Supervised By :mohammad
 ahmed

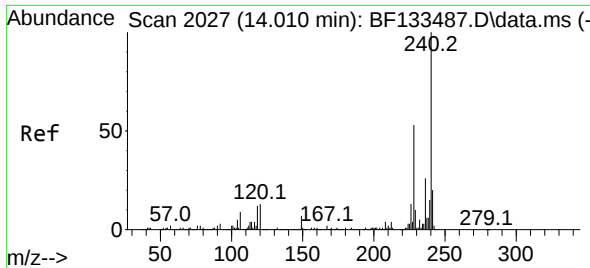
06/13/2023



#75
 Fluoranthene
 Concen: 44.261 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: BF133660.D
 Acq: 09 Jun 2023 02:02

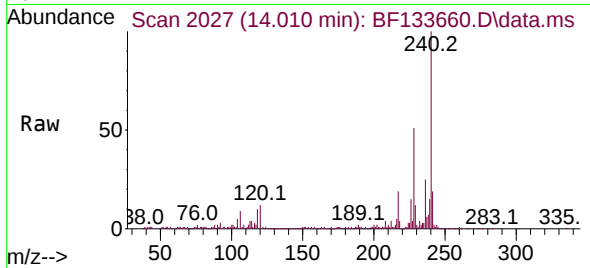
Tgt Ion:202 Resp: 607865
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 32.2
 203 17.4 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
BNA_F
ClientSampleId :
WC02DL2



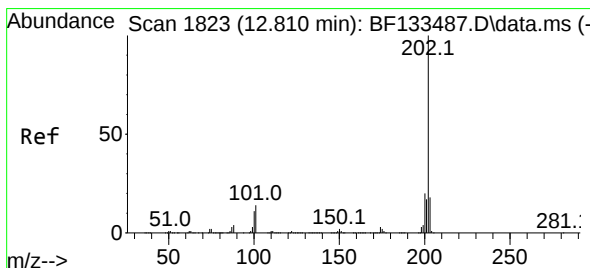
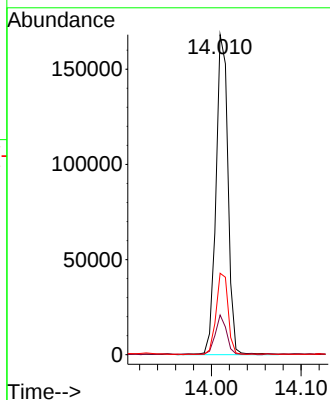
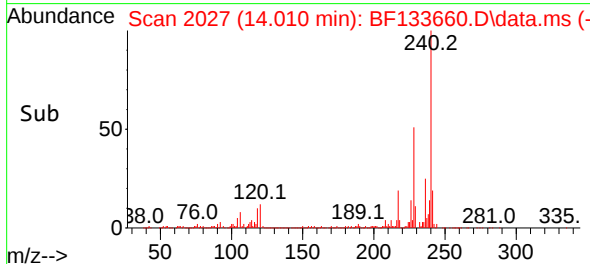
Tgt Ion:240 Resp: 156430
Ion Ratio Lower Upper
240 100
120 12.4 10.3 15.5
236 25.5 20.5 30.7

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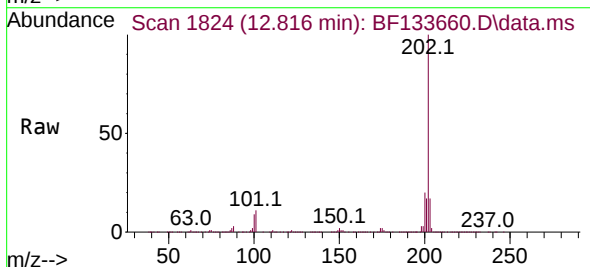
Reviewed By :Yogesh
Patel

06/09/2023
Supervised By :mohammad
ahmed

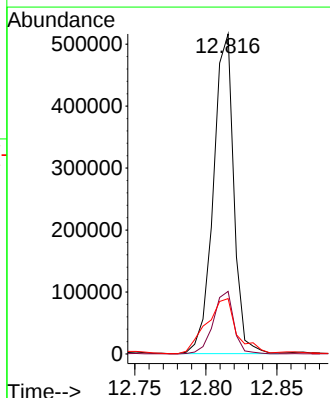
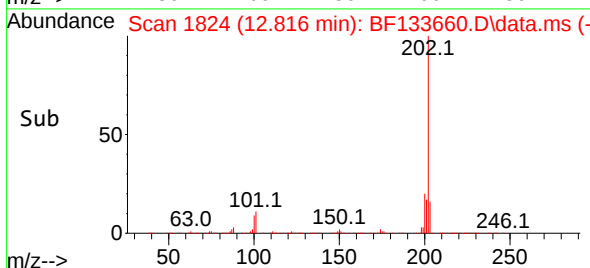
06/13/2023

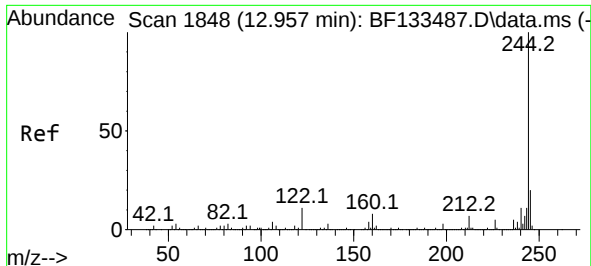


#78
Pyrene
Concen: 38.700 ng
RT: 12.816 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02



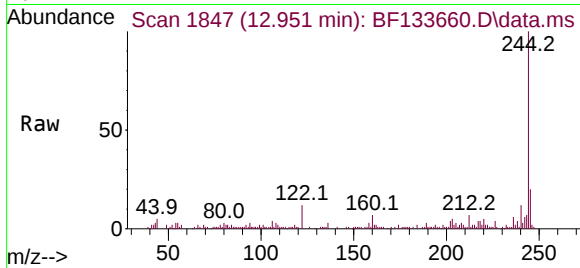
Tgt Ion:202 Resp: 515153
Ion Ratio Lower Upper
202 100
200 19.6 16.3 24.5
203 17.3 14.3 21.5





#79
 Terphenyl-d14
 Concen: 3.374 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133660.D
 Acq: 09 Jun 2023 02:02

Instrument :
 BNA_F
 ClientSampleId :
 WC02DL2



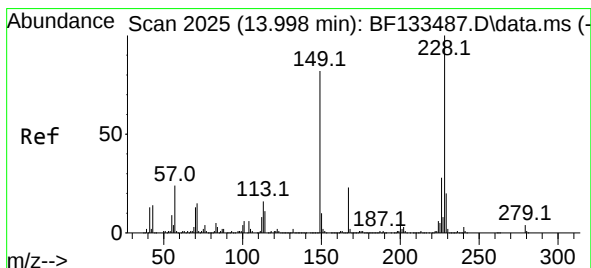
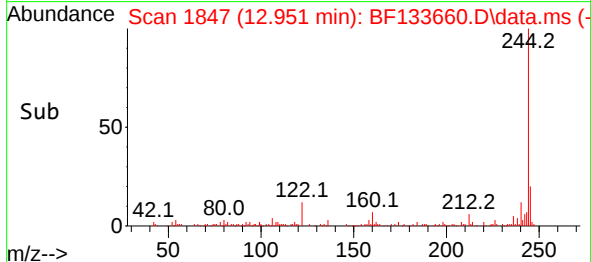
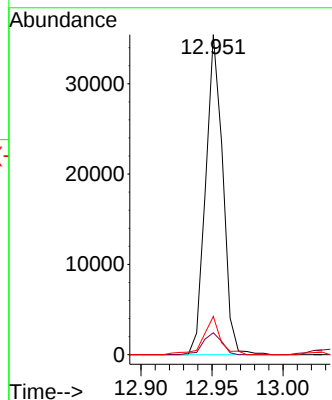
Tgt Ion:244 Resp: 2968
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 12.0 8.5 12.7

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 Patel

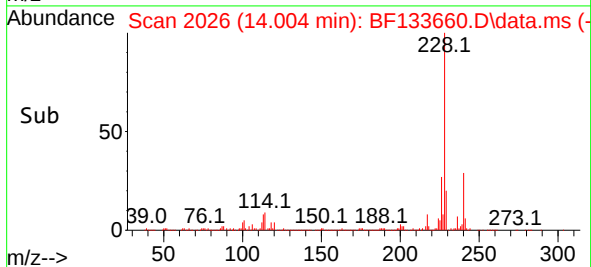
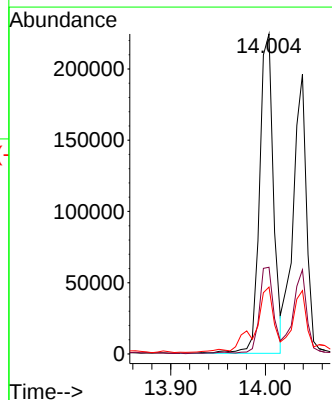
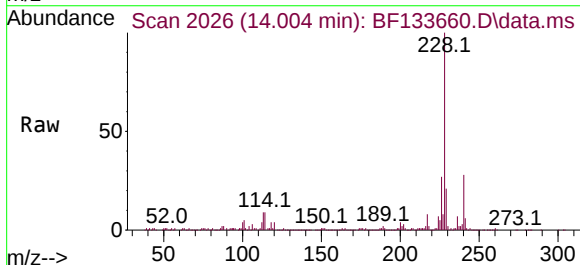
06/09/2023
 Supervised By :mohammad
 ahmed

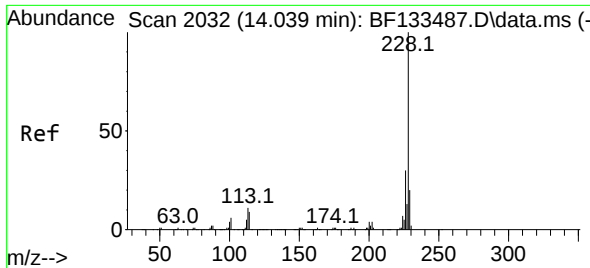
06/13/2023



#81
 Benzo(a)anthracene
 Concen: 21.953 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: BF133660.D
 Acq: 09 Jun 2023 02:02

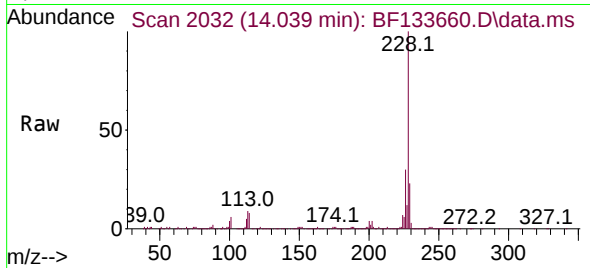
Tgt Ion:228 Resp: 228764
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.3 33.5
 229 20.9 16.1 24.1





#83
Chrysene
Concen: 18.322 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
BNA_F
ClientSampleId :
WC02DL2



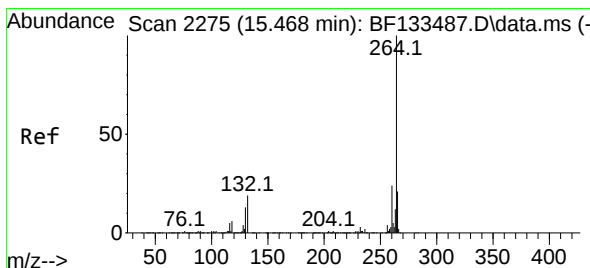
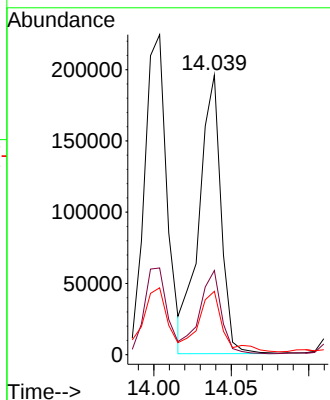
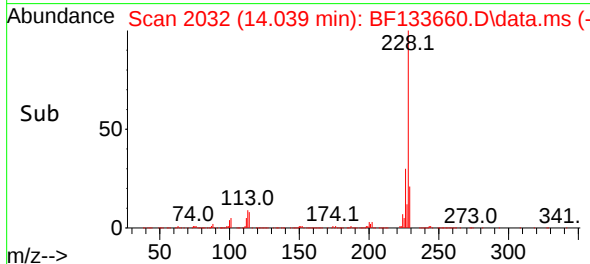
Tgt Ion:228 Resp: 192752
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 22.6 15.8 23.8

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Reviewed By :Yogesh
Patel

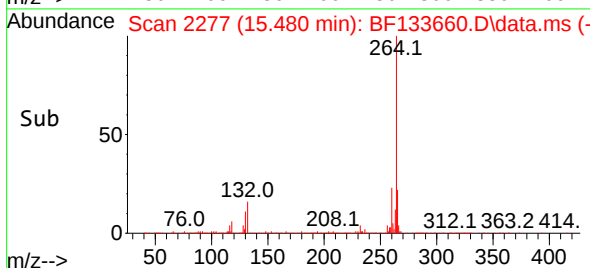
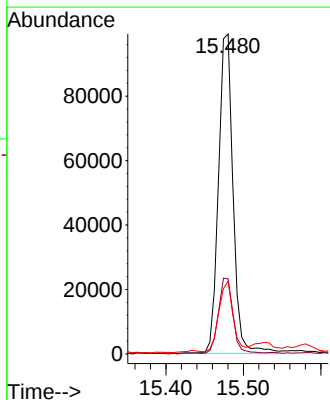
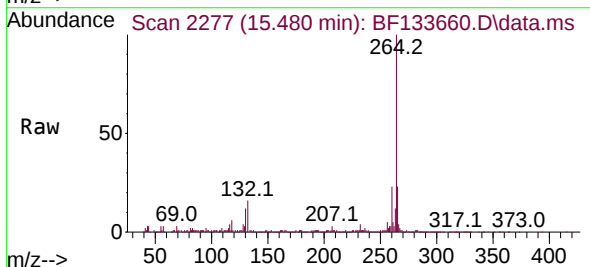
06/09/2023
Supervised By :mohammad
ahmed

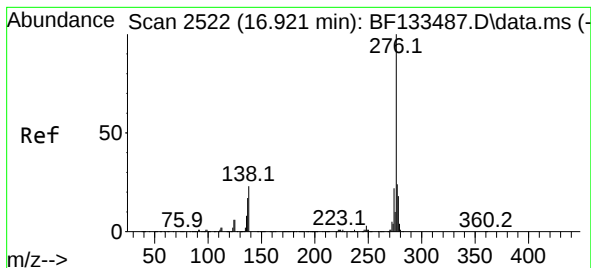
06/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Tgt Ion:264 Resp: 130026
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.4
265 22.7 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.453 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133660.D

Acq: 09 Jun 2023 02:02

Instrument :

BNA_F

ClientSampleId :

WC02DL2

Tgt Ion:	276	Resp:	5344
Ion Ratio	Lower	Upper	
276	100		
138	22.4	21.4	32.2
277	23.6	20.0	30.0

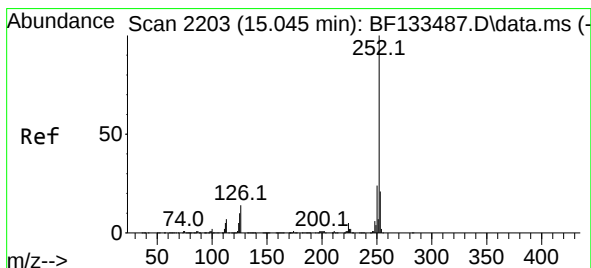
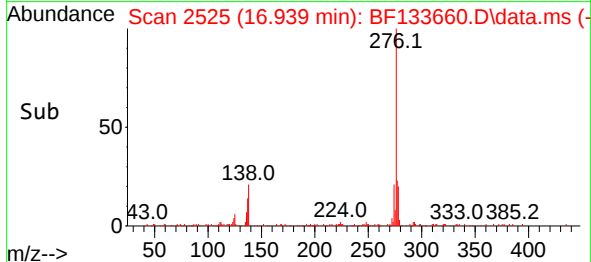
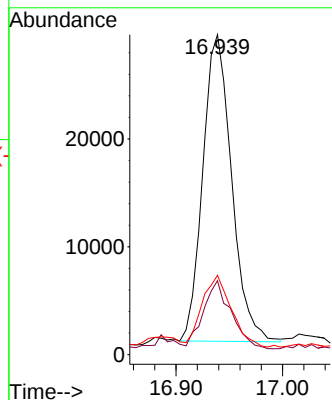
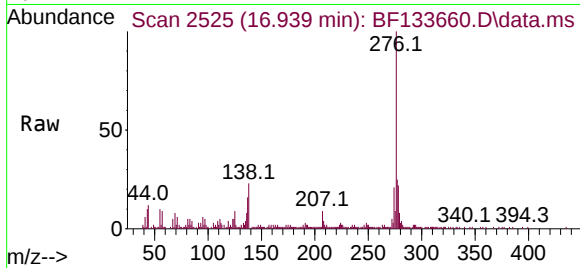
Manual Integrations
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Reviewed By :Yogesh
Patel

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ahmed

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#88

Benzo(b)fluoranthene

Concen: 20.508 ng m

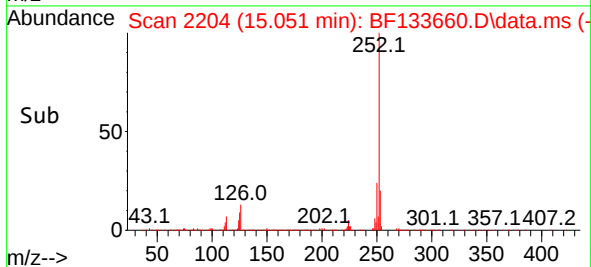
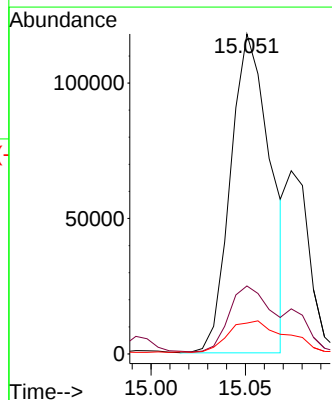
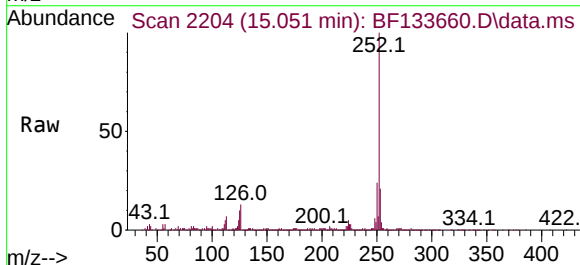
RT: 15.051 min Scan# 2204

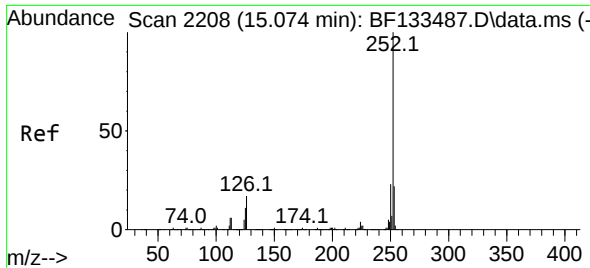
Delta R.T. 0.000 min

Lab File: BF133660.D

Acq: 09 Jun 2023 02:02

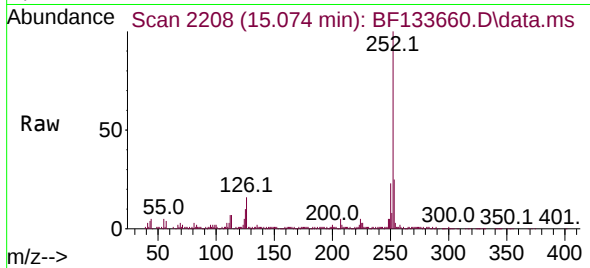
Tgt Ion:	252	Resp:	173644
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.2	25.8
125	9.7	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 6.706 ng m
RT: 15.074 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :
BNA_F
ClientSampleId :
WC02DL2



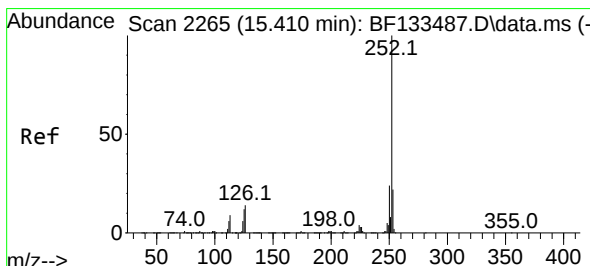
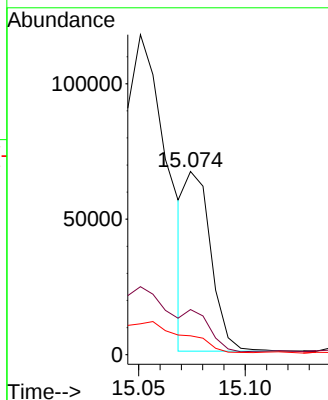
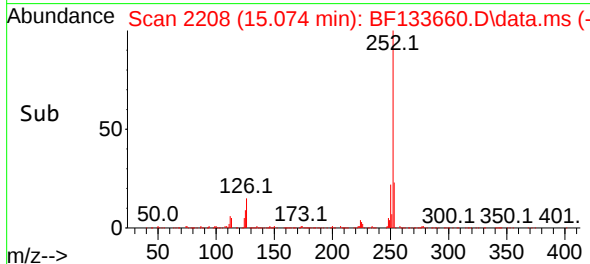
Tgt Ion:252 Resp: 5536
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.2
125 10.3 8.3 12.5

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Reviewed By :Yogesh
Patel

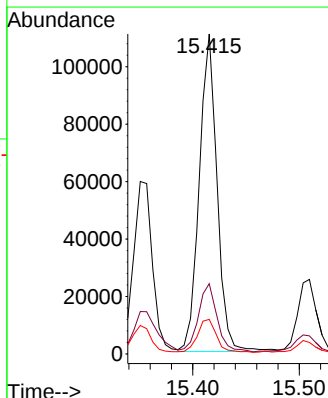
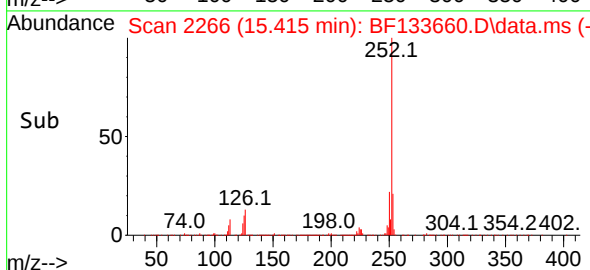
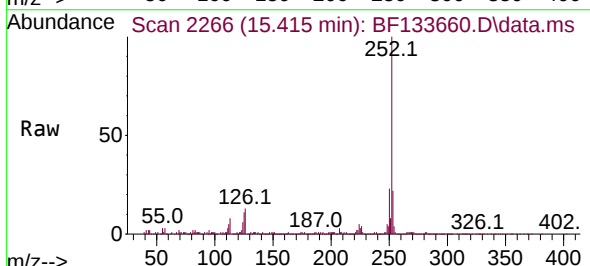
06/09/2023
Supervised By :mohammad
ahmed

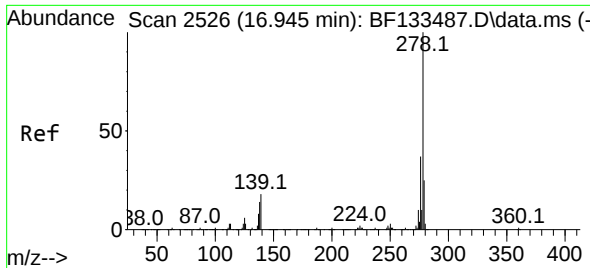
06/13/2023



#90
Benzo(a)pyrene
Concen: 16.738 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Tgt Ion:252 Resp: 128958
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.8 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 2.208 ng m
RT: 16.951 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Instrument :

BNA_F

ClientSampleId :

WC02DL2

Tgt Ion:278 Resp: 1482
Ion Ratio Lower Upper
278 100
139 18.4 14.1 21.1
279 36.9 19.7 29.5

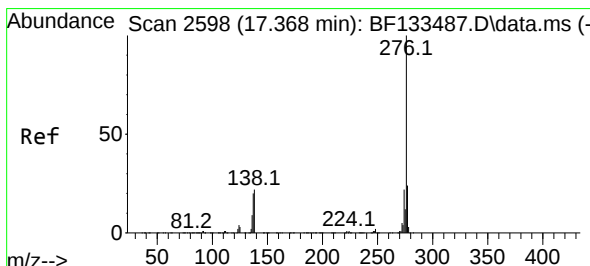
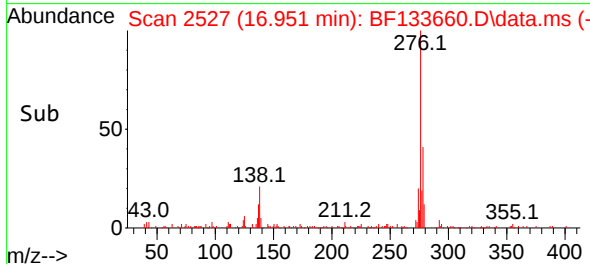
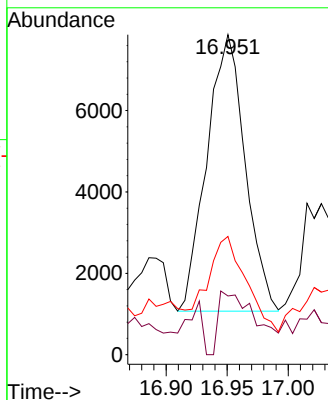
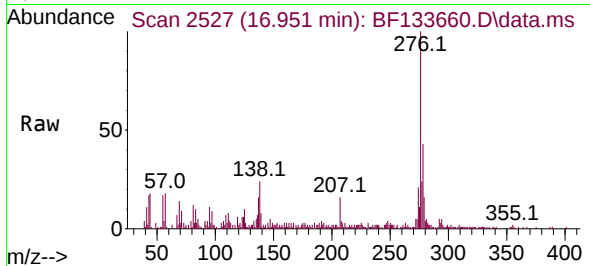
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Reviewed By :Yogesh
Patel

06/09/2023

Supervised By :mohammad
ahmed

06/13/2023



#92
Benzo(g,h,i)perylene
Concen: 7.533 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.012 min
Lab File: BF133660.D
Acq: 09 Jun 2023 02:02

Tgt Ion:276 Resp: 51005
Ion Ratio Lower Upper
276 100
277 24.5 18.8 28.2
138 21.8 17.8 26.6

