

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135964.D
 Acq On : 26 Oct 2023 15:33
 Operator : CG\JU
 Sample : 05039-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

Quant Time: Oct 26 15:57:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	158735	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	612013	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	292958	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	438731	20.000	ng	0.00
76) Chrysene-d12	14.004	240	310434	20.000	ng	0.00
86) Perylene-d12	15.492	264	356350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	728008	70.820	ng	0.00
7) Phenol-d6	6.451	99	929590	72.637	ng	0.00
23) Nitrobenzene-d5	7.381	82	537025	59.927	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	167105	65.167	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1018046	55.644	ng	0.00
79) Terphenyl-d14	12.951	244	772468	41.575	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	142189	4.805	ng	99
37) 2-Methylnaphthalene	8.816	142	57575	2.941	ng	98
38) 1-Methylnaphthalene	8.916	142	53098	2.903	ng	99
49) Acenaphthylene	9.716	152	120072	4.635	ng	# 97
58) Fluorene	10.410	166	44485	2.479	ng	# 98
71) Phenanthrene	11.375	178	530697	23.909	ng	100
72) Anthracene	11.422	178	131198	5.773	ng	100
75) Fluoranthene	12.569	202	509433	21.816	ng	98
78) Pyrene	12.798	202	672444	25.798	ng	100
81) Benzo(a)anthracene	13.992	228	385855m	18.280	ng	
83) Chrysene	14.027	228	360824	17.551	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	168980	8.363	ng	95
88) Benzo(b)fluoranthene	15.057	252	467198m	22.030	ng	
89) Benzo(k)fluoranthene	15.080	252	137507m	6.602	ng	
90) Benzo(a)pyrene	15.427	252	371339	18.999	ng	99
91) Dibenzo(a,h)anthracene	17.010	278	46365m	2.683	ng	
92) Benzo(g,h,i)perylene	17.445	276	165925	11.540	ng	99

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

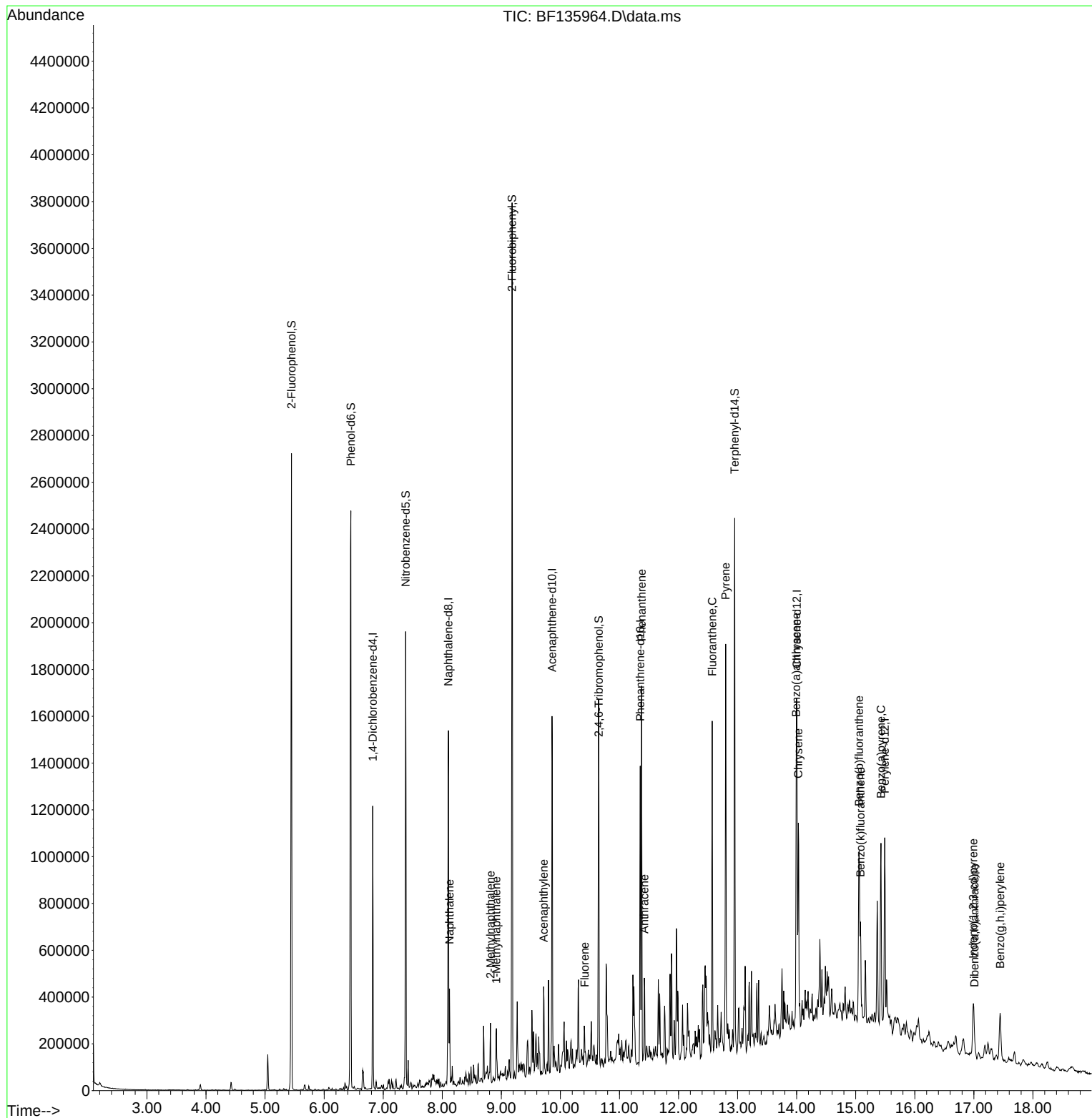
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135964.D
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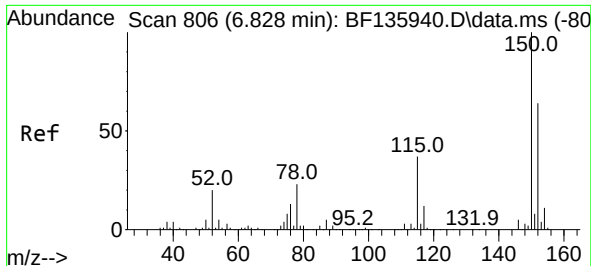
Instrument :
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Quant Time: Oct 26 15:57:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 26 03:58:01 2023
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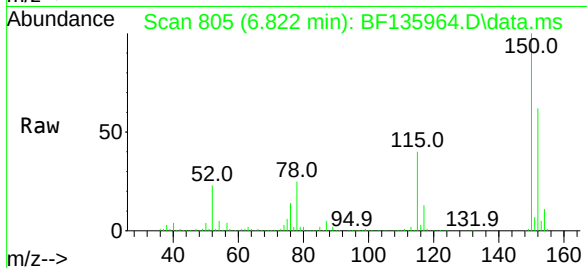
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

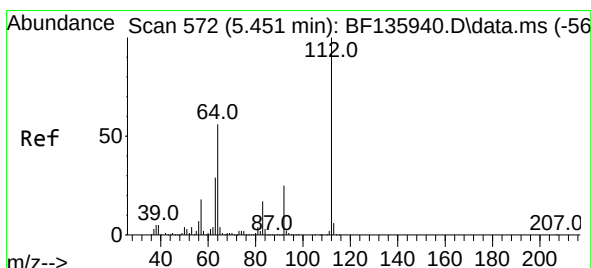
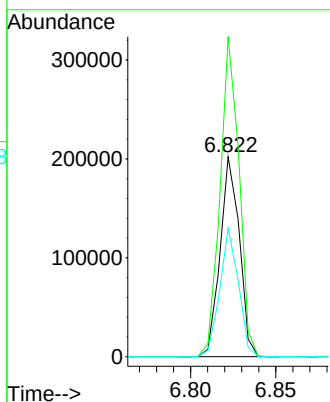
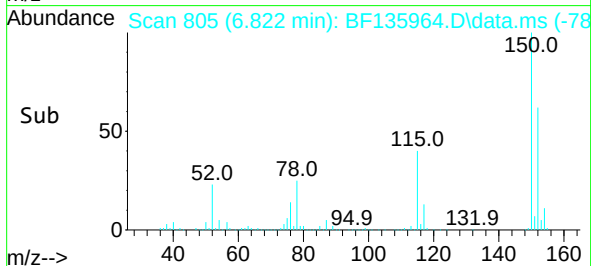
Instrument :
BNA_F
ClientSampleId :
MMFB-1



Tgt Ion:152 Resp: 158735
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 64.4 46.6 69.8

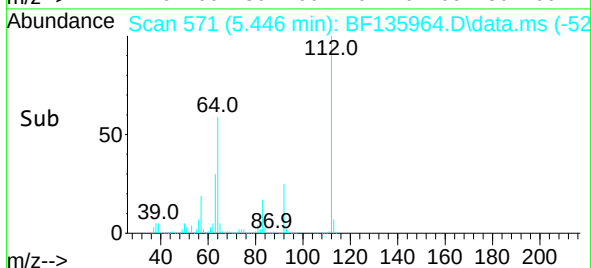
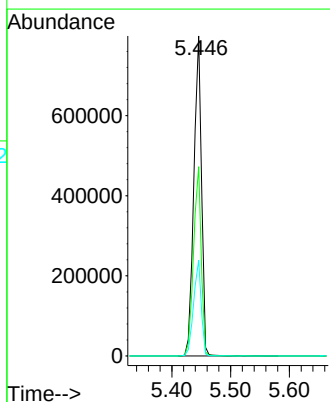
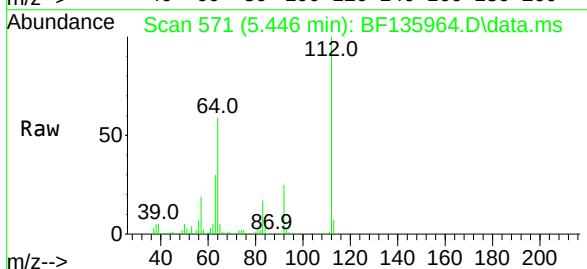
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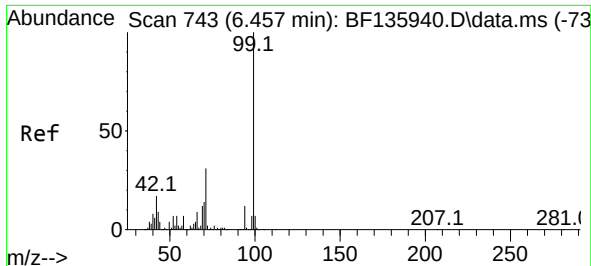
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#5
2-Fluorophenol
Concen: 70.820 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

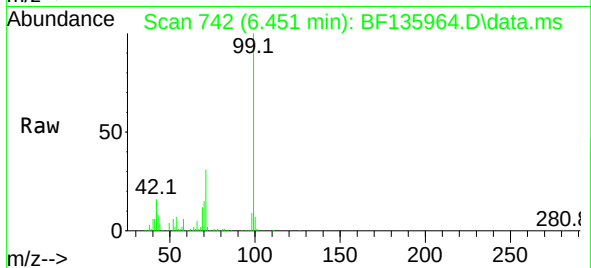
Tgt Ion:112 Resp: 728008
Ion Ratio Lower Upper
112 100
64 59.1 45.1 67.7
63 29.9 23.0 34.4





#7
Phenol-d6
Concen: 72.637 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

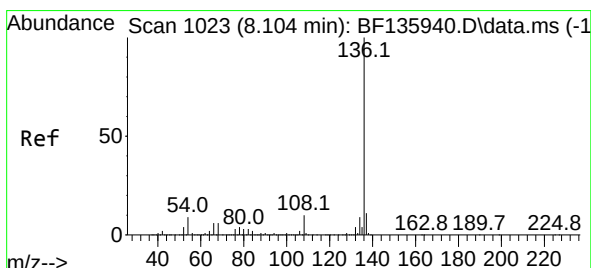
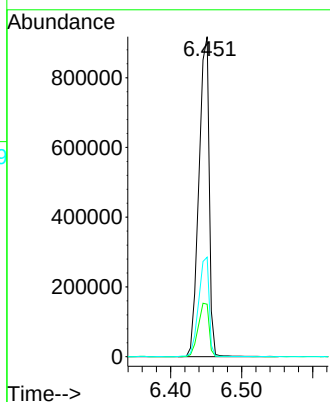
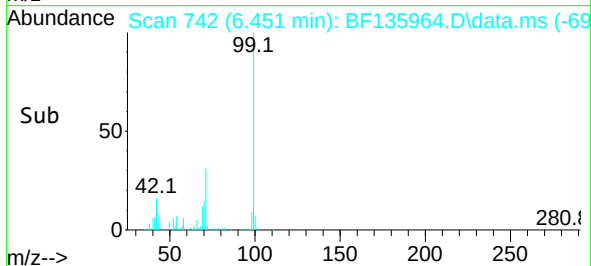
Instrument :
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ClientSampleId :
MMFB-1



Tgt Ion: 99 Resp: 929590
Ion Ratio Lower Upper
99 100
42 16.4 13.8 20.8
71 31.1 25.1 37.7

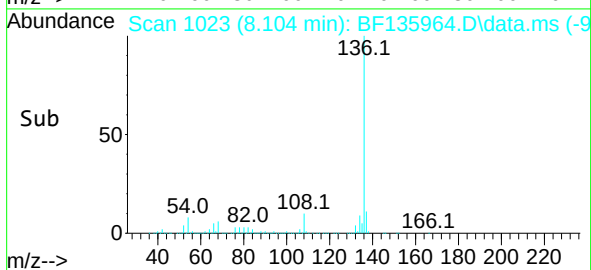
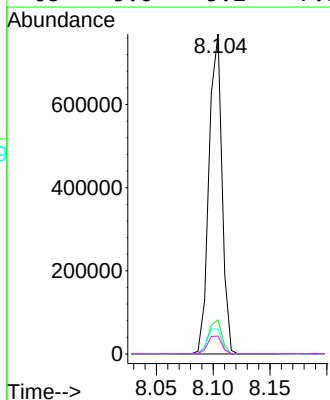
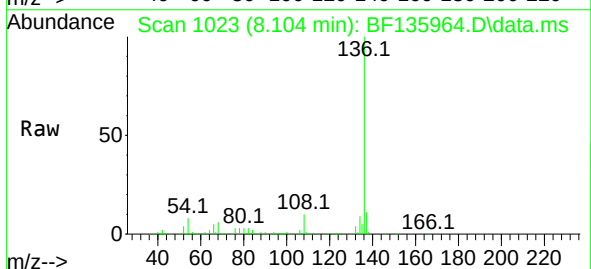
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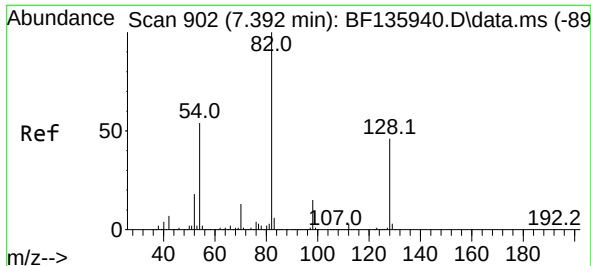
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

Tgt Ion:136 Resp: 612013
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 7.7 7.1 10.7
68 5.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 59.927 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.011 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

Instrument :

BNA_F

ClientSampleId :

MMFB-1

Tgt Ion: 82 Resp: 53702

Ion Ratio Lower Upper

82 100

128 44.6 36.8 55.2

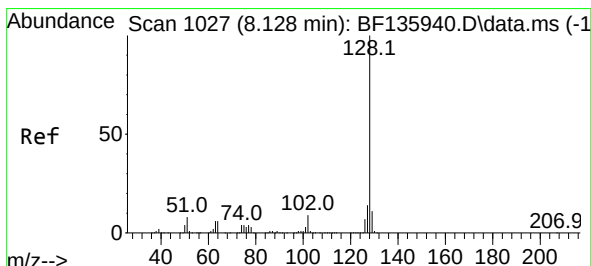
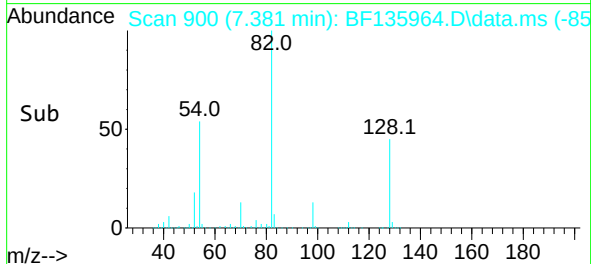
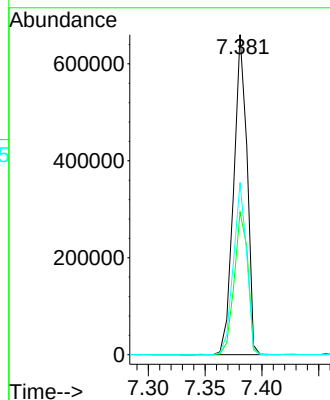
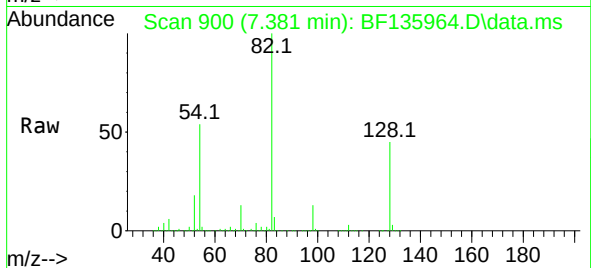
54 53.8 43.4 65.0

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#31

Naphthalene

Concen: 4.805 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

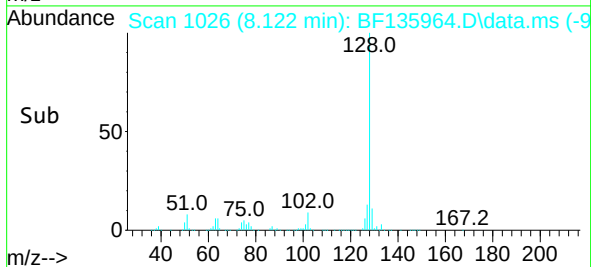
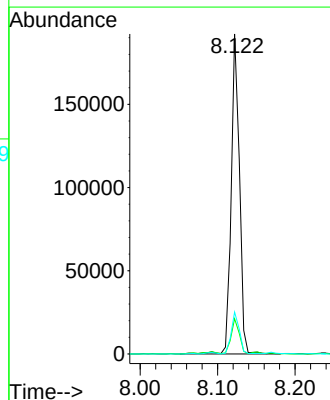
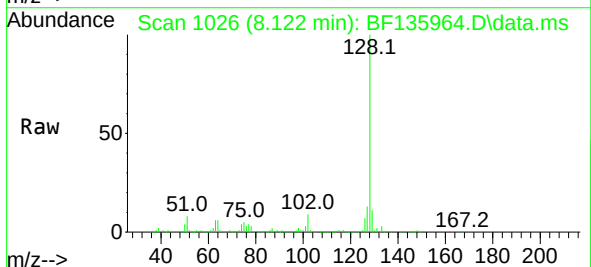
Tgt Ion:128 Resp: 142189

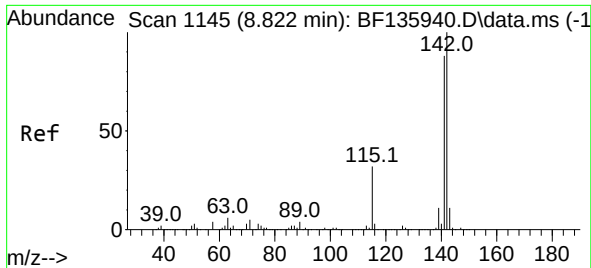
Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

127 13.1 10.9 16.3





#37

2-Methylnaphthalene

Concen: 2.941 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

Instrument :

BNA_F

ClientSampleId :

MMFB-1

Tgt Ion:142 Resp: 5757

Ion Ratio Lower Upper

142 100

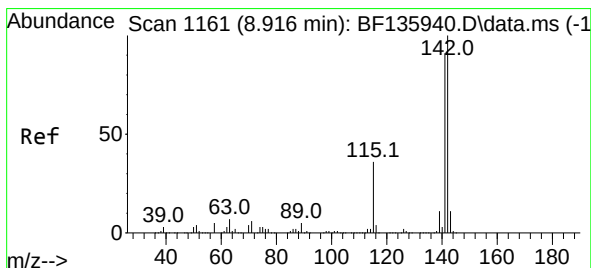
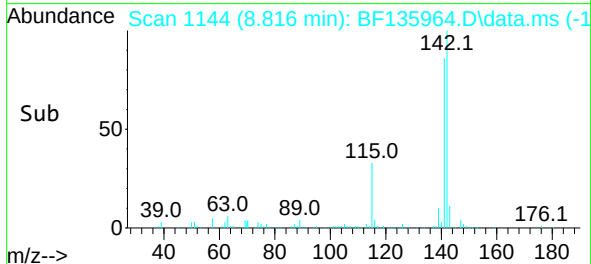
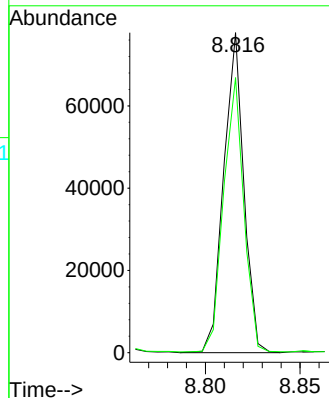
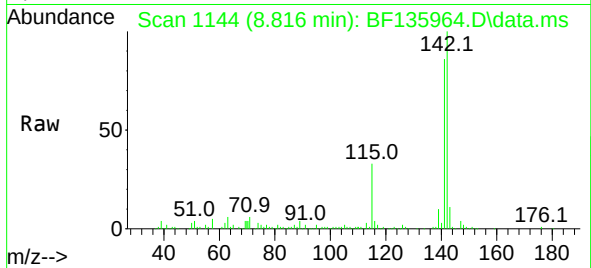
141 86.0 70.4 105.6

Manual Integrations

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Supervised By :mohammad ahmed 10/27/2023



#38

1-Methylnaphthalene

Concen: 2.903 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF135964.D

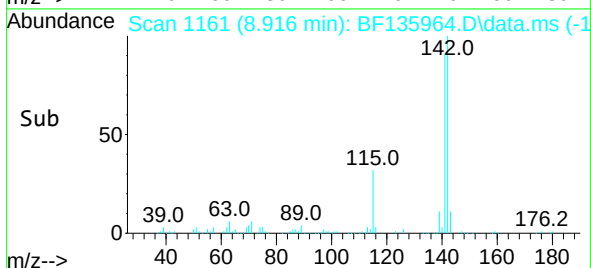
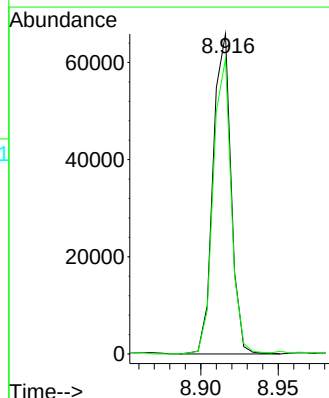
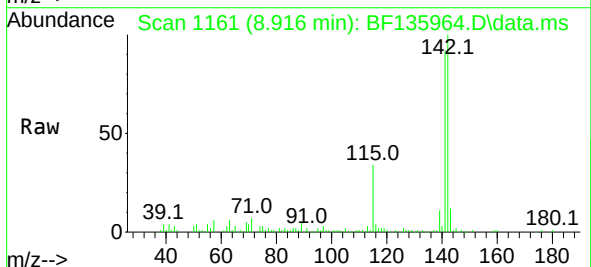
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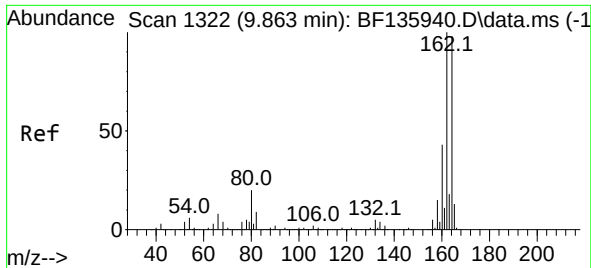
Tgt Ion:142 Resp: 53098

Ion Ratio Lower Upper

142 100

141 92.3 73.1 109.7





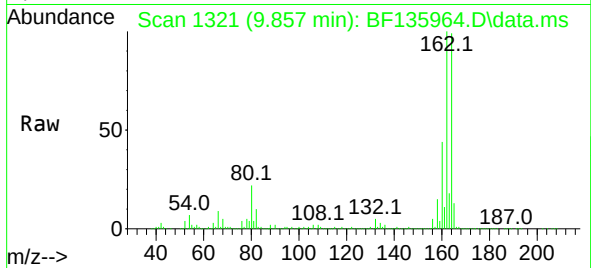
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

Instrument :

BNA_F

ClientSampleId :

MMFB-1

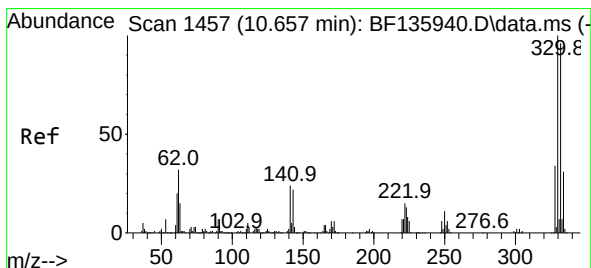
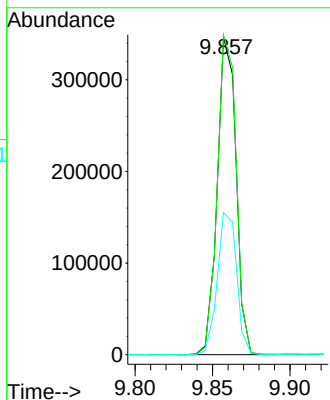
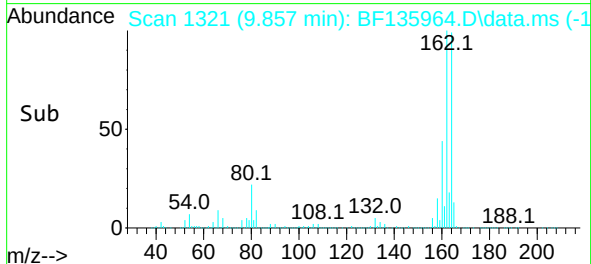


Tgt Ion:164 Resp: 292958
Ion Ratio Lower Upper
164 100
162 100.8 82.0 123.0
160 44.7 35.6 53.4

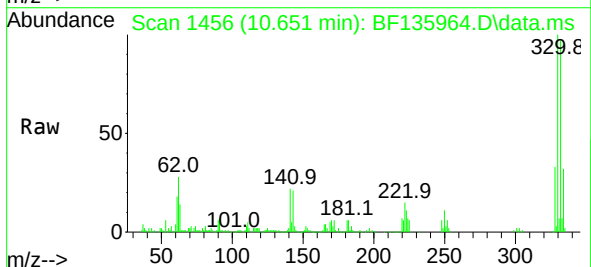
Manual Integrations

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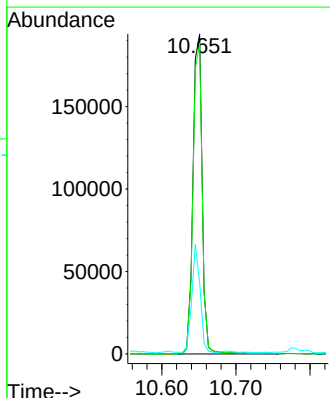
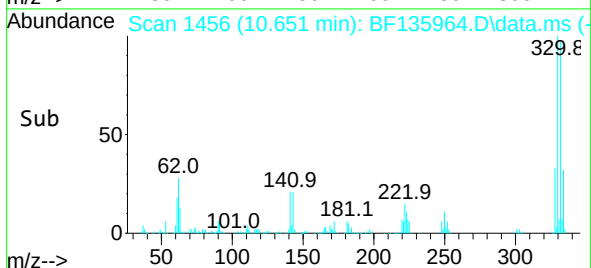
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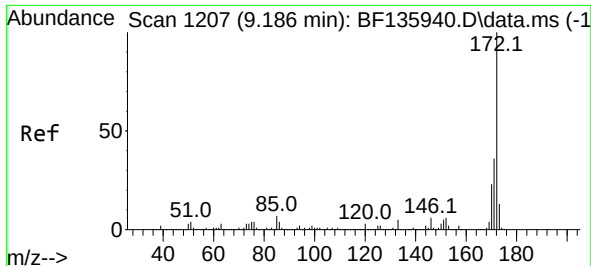


#42
2,4,6-Tribromophenol
Concen: 65.167 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33



Tgt Ion:330 Resp: 167105
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 30.9 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 55.644 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

Instrument :

BNA_F

ClientSampleId :

MMFB-1

Tgt Ion:172 Resp: 1018040

Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

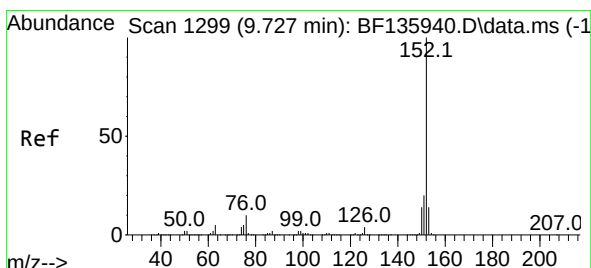
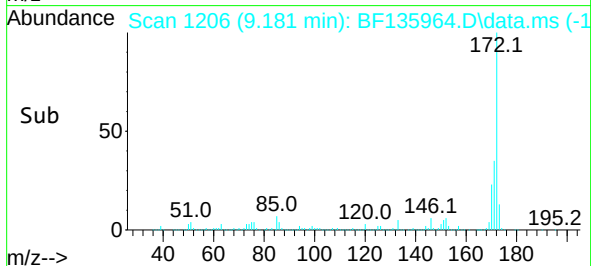
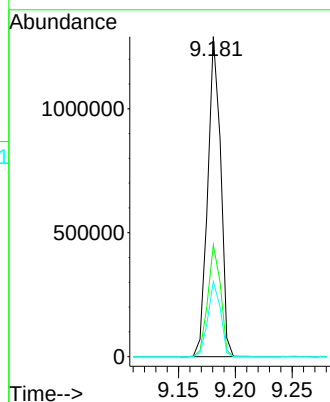
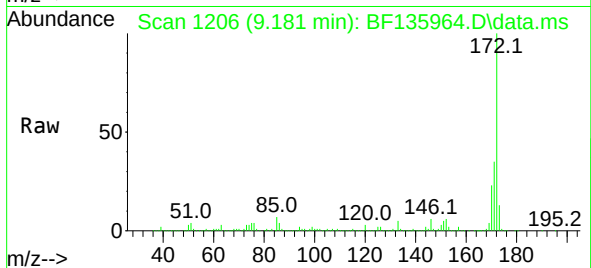
170 23.4 18.6 28.0

Manual Integrations

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#49

Acenaphthylene

Concen: 4.635 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.012 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

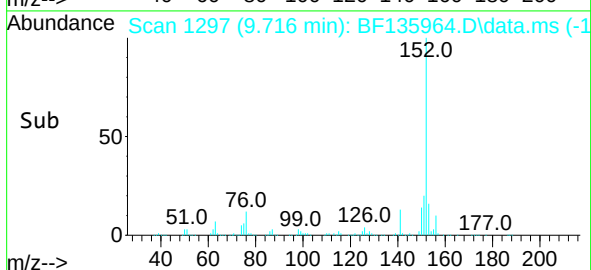
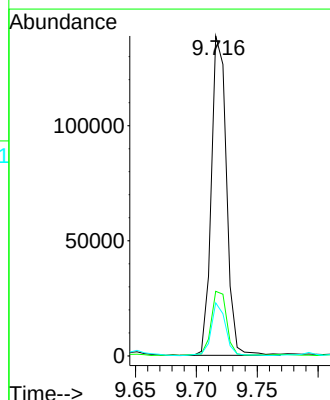
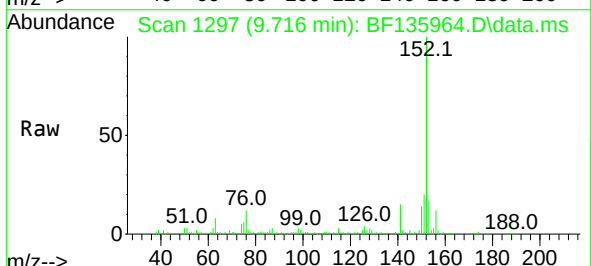
Tgt Ion:152 Resp: 120072

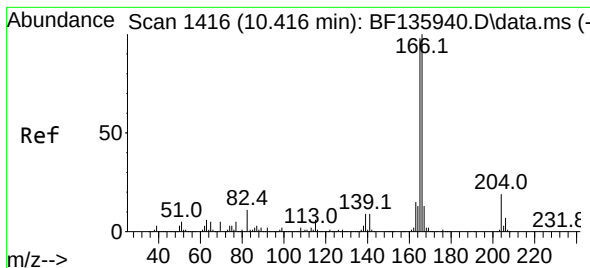
Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

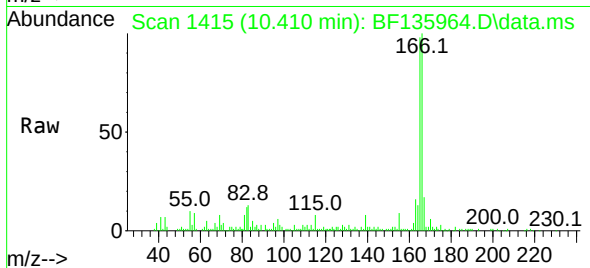
153 16.6 11.0 16.6#





#58
Fluorene
Concen: 2.479 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

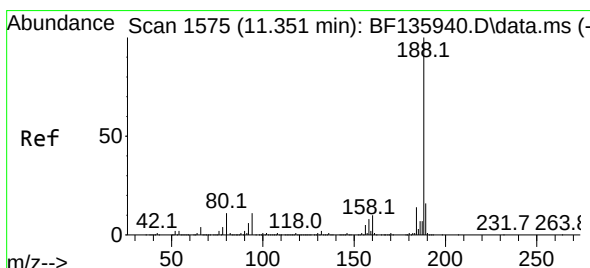
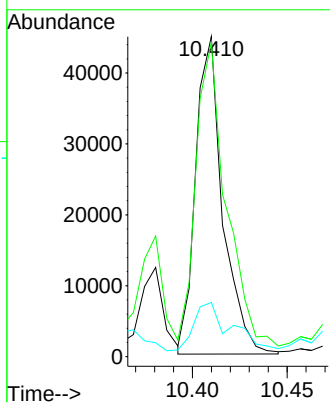
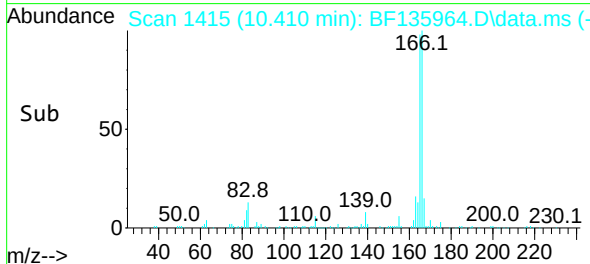
Instrument :
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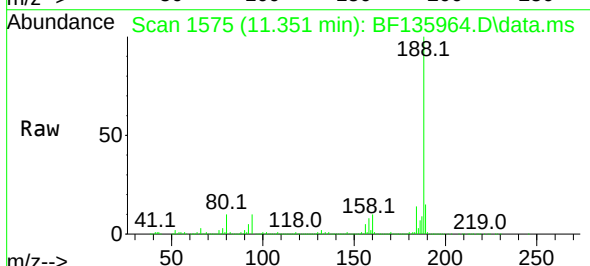
Tgt Ion:166 Resp: 44485
Ion Ratio Lower Upper
166 100
165 98.3 78.0 117.0
167 17.0 10.6 16.0

Manual Integrations
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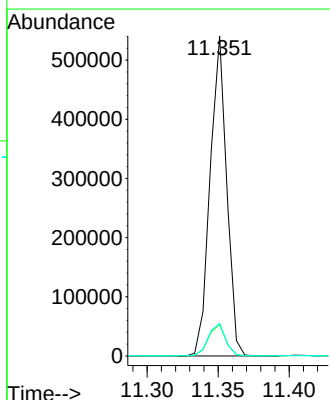
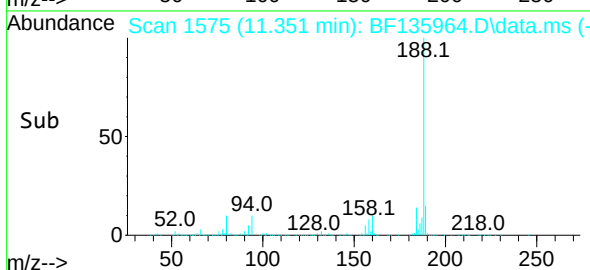
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

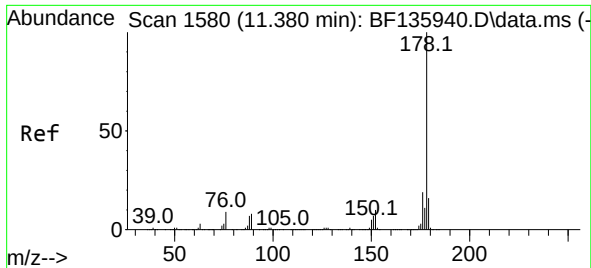


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33



Tgt Ion:188 Resp: 438731
Ion Ratio Lower Upper
188 100
94 9.8 8.6 13.0
80 10.2 9.0 13.6





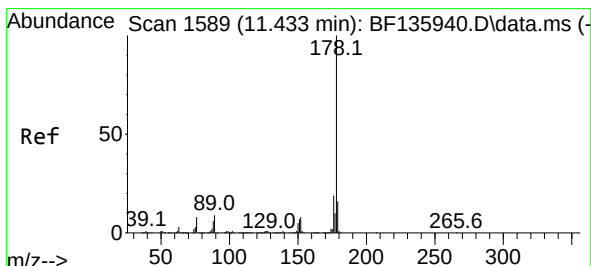
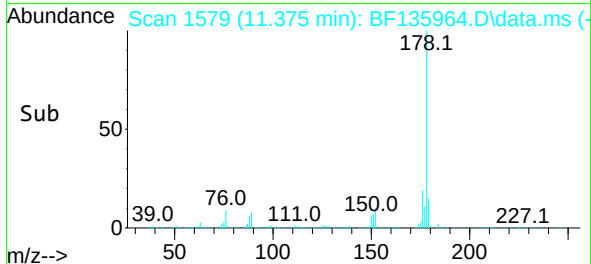
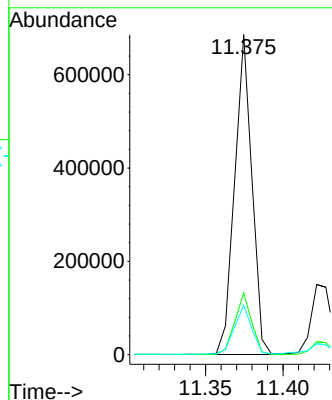
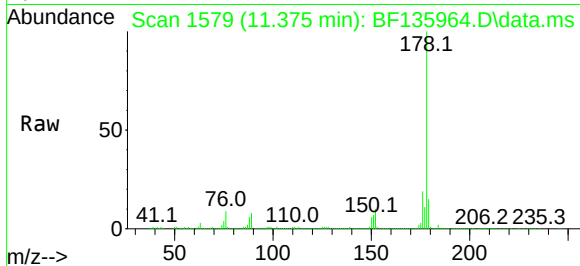
#71
Phenanthrene
Concen: 23.909 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

Instrument :
BNA_F
ClientSampleId :
MMFB-1

Tgt Ion:178 Resp: 53069
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.5 12.5 18.7

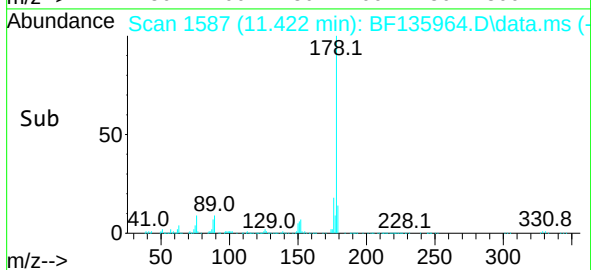
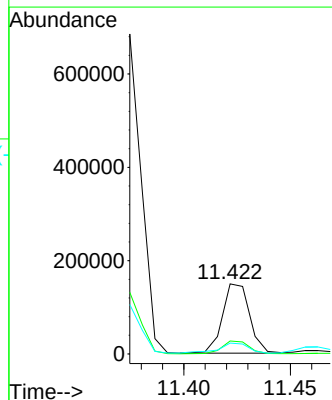
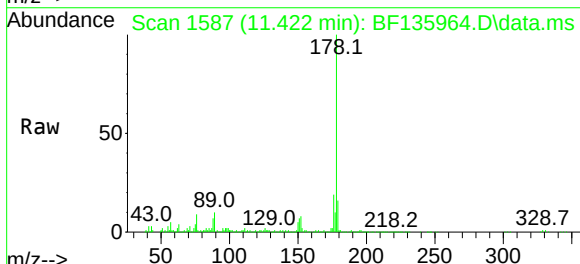
Manual Integrations
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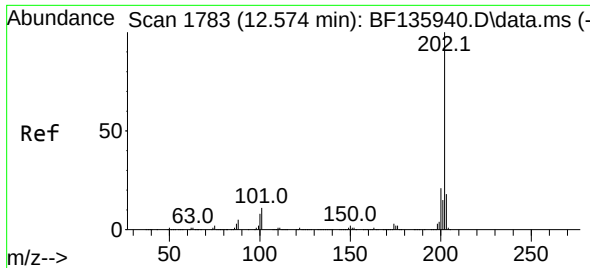
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#72
Anthracene
Concen: 5.773 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

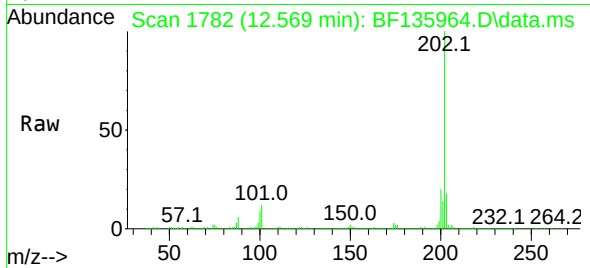
Tgt Ion:178 Resp: 131198
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.5 12.5 18.7





#75
Fluoranthene
Concen: 21.816 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

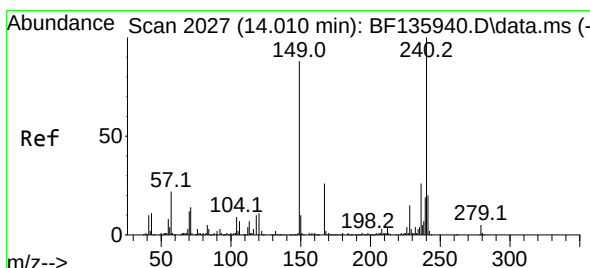
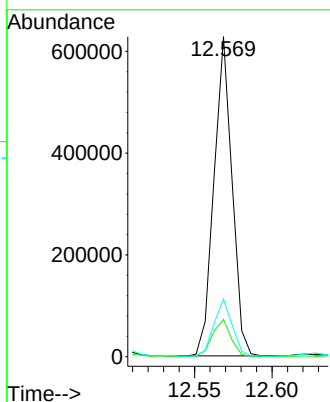
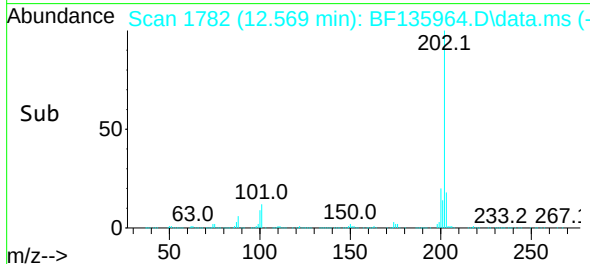
Instrument :
BNA_F
ClientSampleId :
MMFB-1



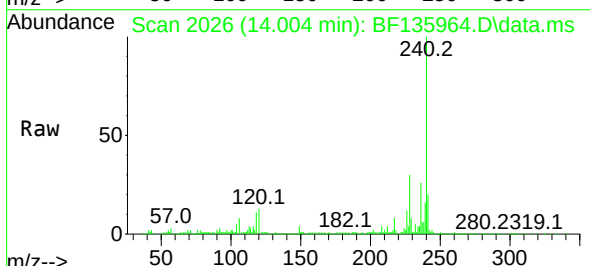
Tgt Ion:202 Resp: 50943
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.6
203 18.0 0.0 37.5

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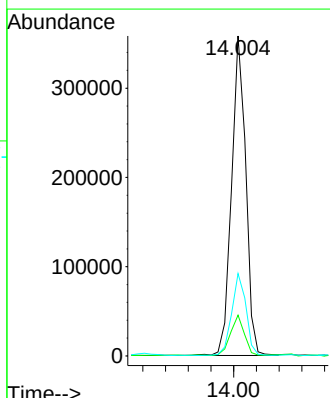
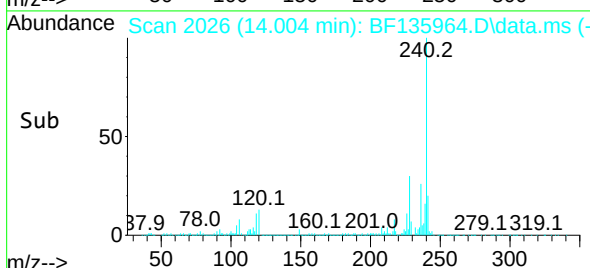
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

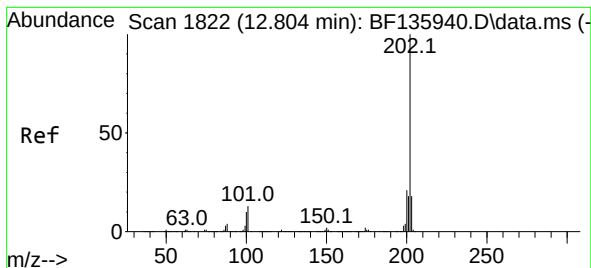


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33



Tgt Ion:240 Resp: 310434
Ion Ratio Lower Upper
240 100
120 12.7 8.6 13.0
236 25.8 20.6 30.8





#78

Pyrene

Concen: 25.798 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

Instrument :

BNA_F

ClientSampleId :

MMFB-1

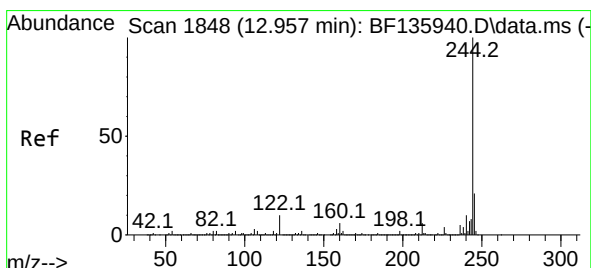
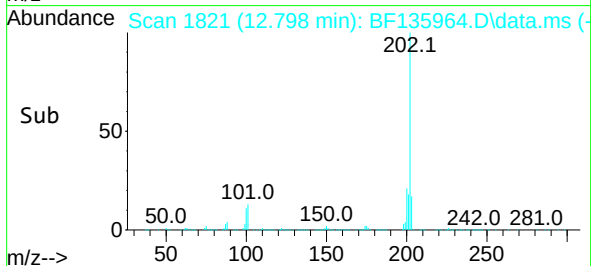
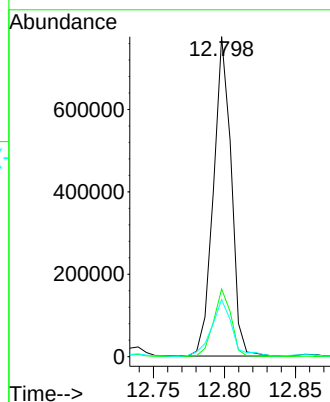
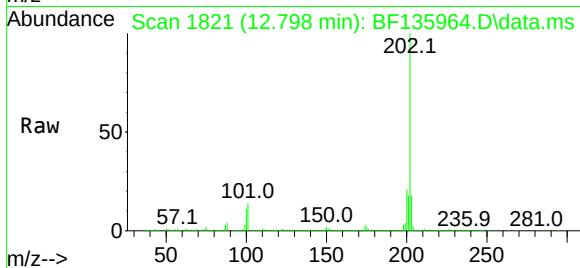
Tgt Ion:	202	Resp:	672444
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.0	25.6
203	17.9	14.5	21.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#79

Terphenyl-d14

Concen: 41.575 ng

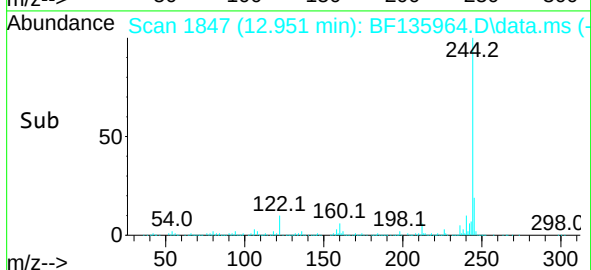
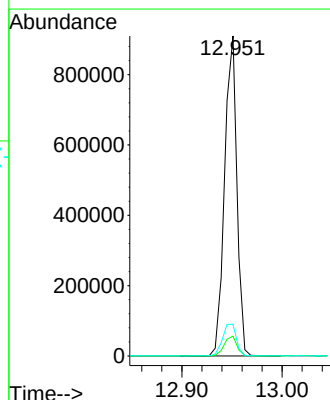
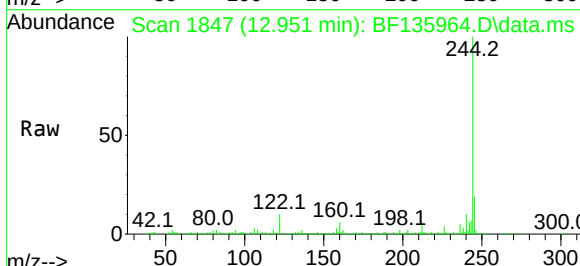
RT: 12.951 min Scan# 1847

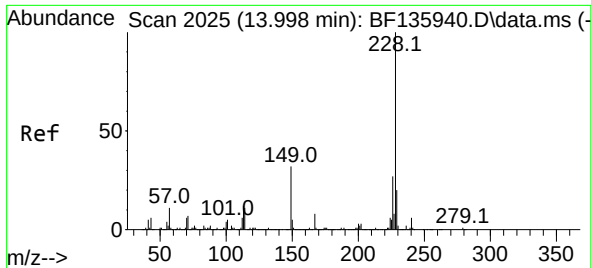
Delta R.T. -0.006 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

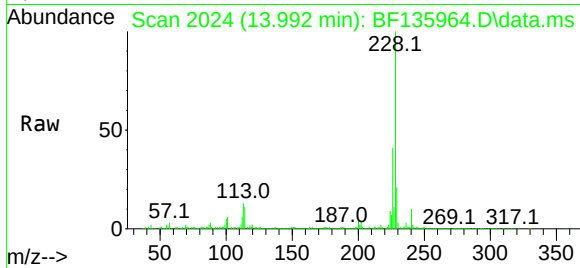
Tgt Ion:	244	Resp:	772468
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.0	7.6
122	9.9	8.0	12.0





#81
Benzo(a)anthracene
Concen: 18.280 ng m
RT: 13.992 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

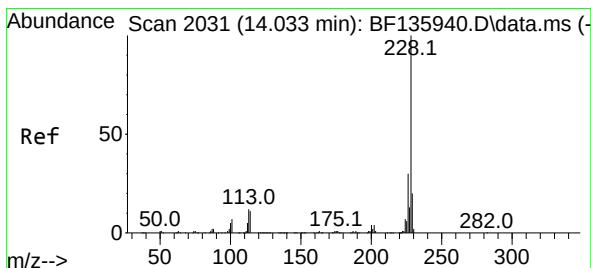
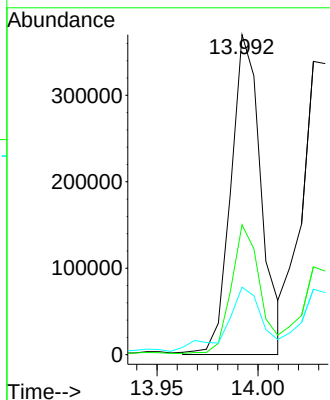
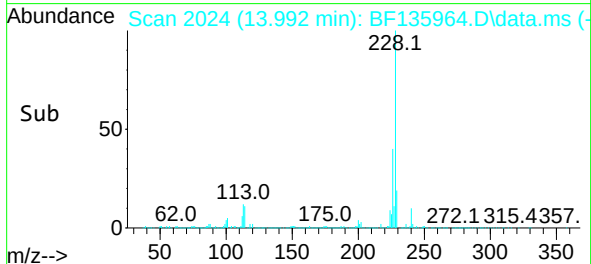
Instrument :
BNA_F
ClientSampleId :
MMFB-1



Tgt Ion:228 Resp: 38585
Ion Ratio Lower Upper
228 100
226 40.6 21.8 32.6
229 21.1 16.2 24.4

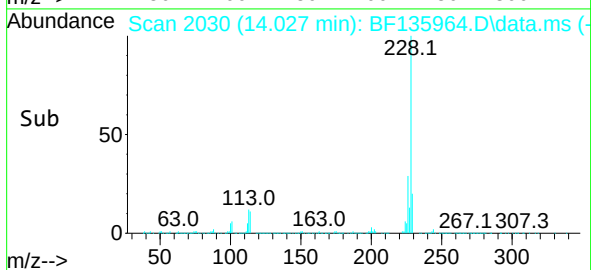
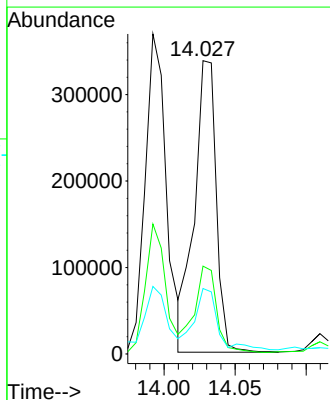
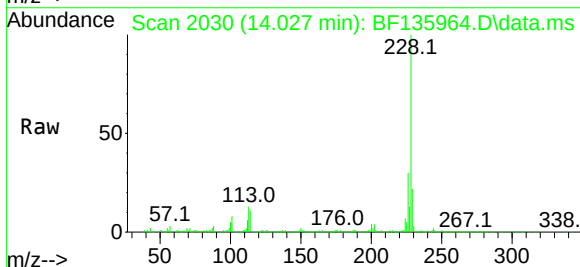
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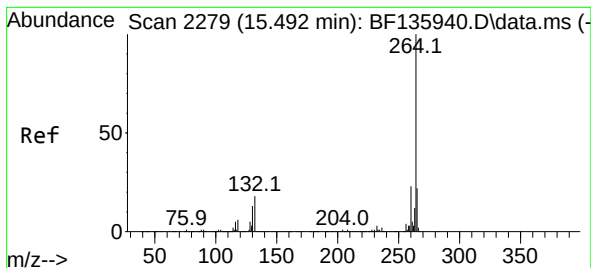
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#83
Chrysene
Concen: 17.551 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

Tgt Ion:228 Resp: 360824
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 22.3 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

Instrument :

BNA_F

ClientSampleId :

MMFB-1

Tgt Ion:264 Resp: 356350

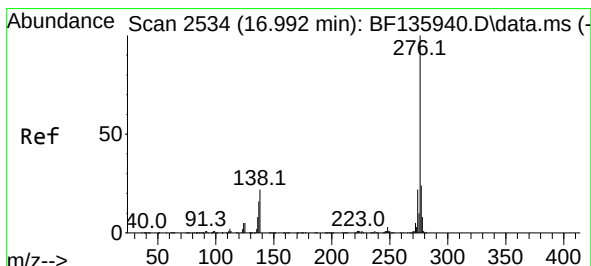
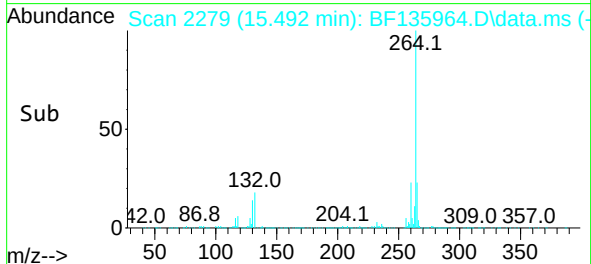
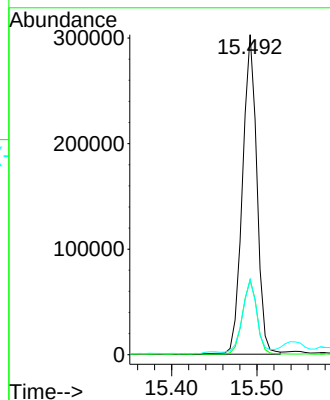
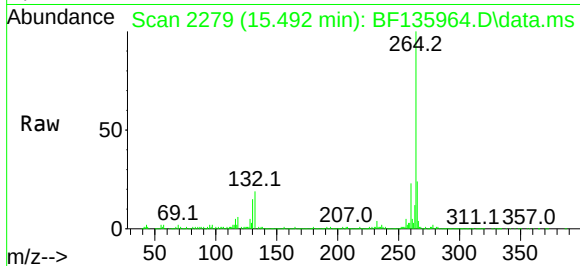
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	23.5	17.3	25.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.363 ng

RT: 16.992 min Scan# 2534

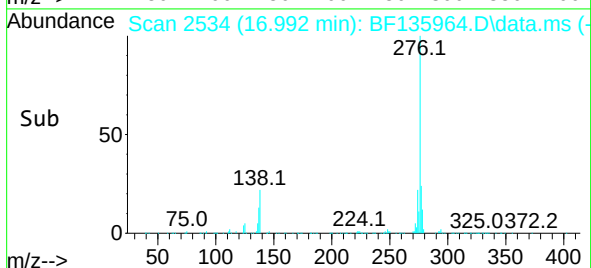
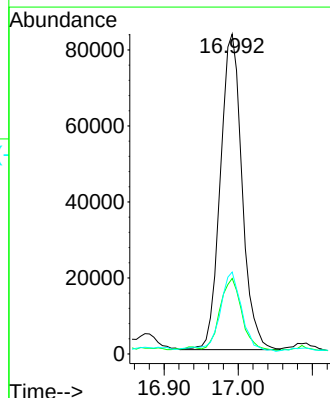
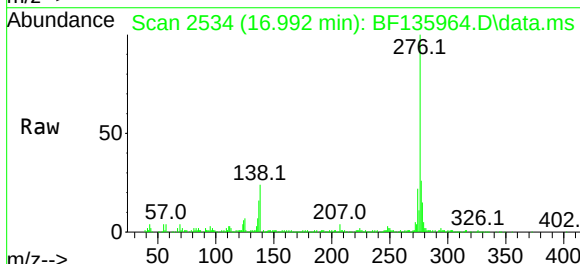
Delta R.T. -0.000 min

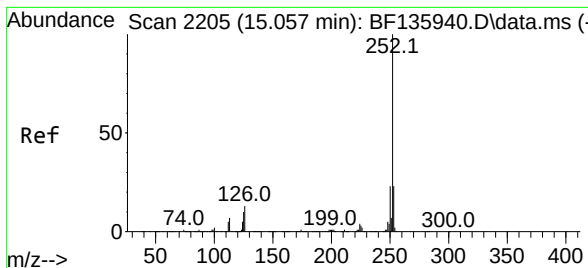
Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

Tgt Ion:276 Resp: 168980

Ion	Ratio	Lower	Upper
276	100		
138	22.9	21.8	32.6
277	25.6	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 22.030 ng m

RT: 15.057 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

Instrument :

BNA_F

ClientSampleId :

MMFB-1

Tgt Ion:252 Resp: 467198

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

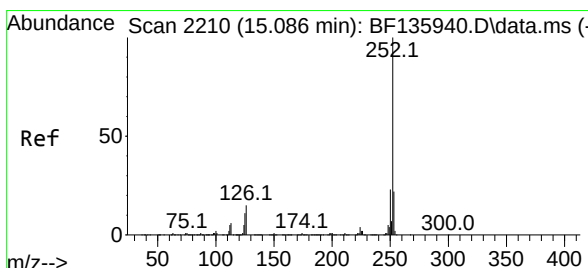
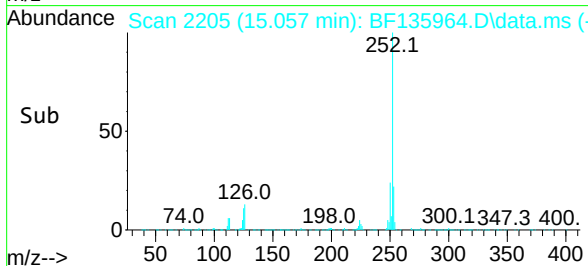
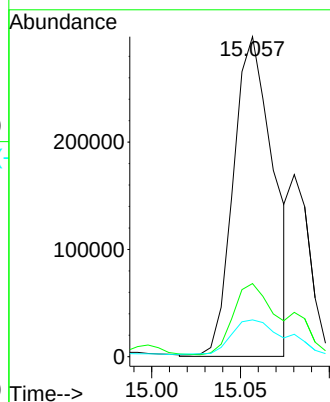
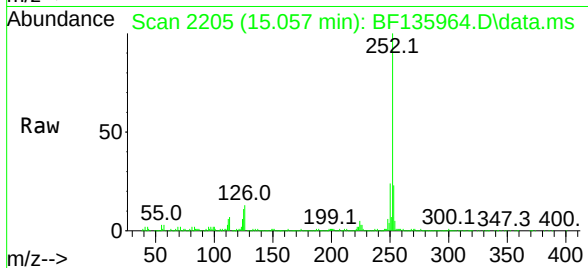
125 11.5 8.2 12.4

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Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#89

Benzo(k)fluoranthene

Concen: 6.602 ng m

RT: 15.080 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF135964.D

Acq: 26 Oct 2023 15:33

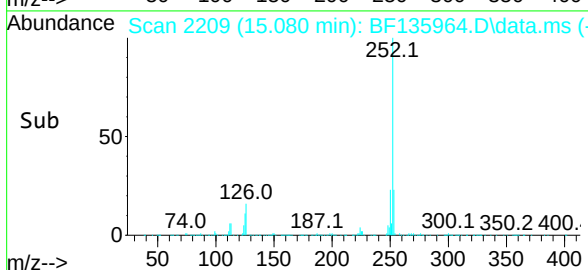
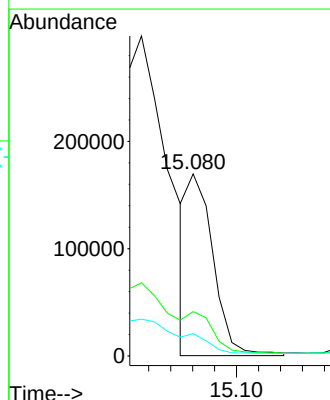
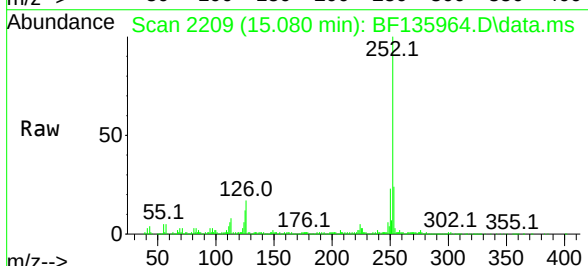
Tgt Ion:252 Resp: 137507

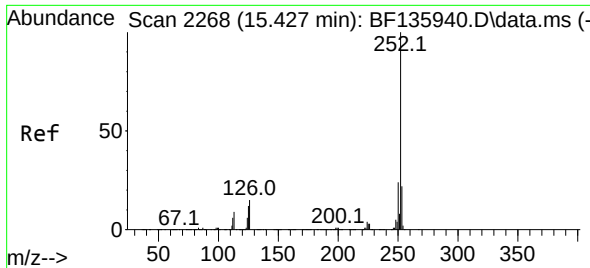
Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 12.3 8.5 12.7





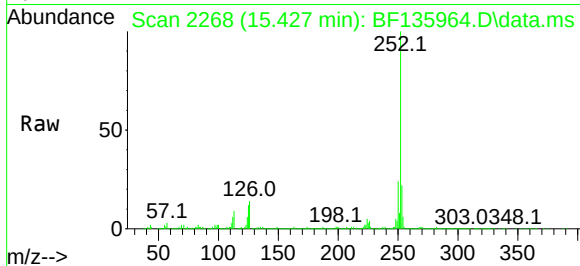
#90
Benzo(a)pyrene
Concen: 18.999 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33

Instrument :

BNA_F

ClientSampleId :

MMFB-1

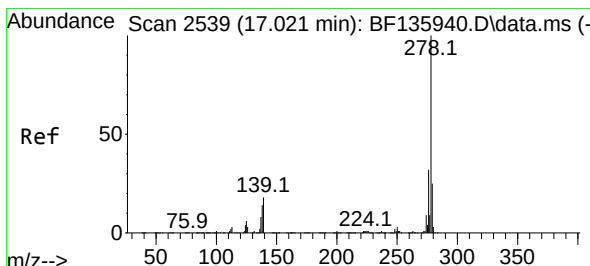
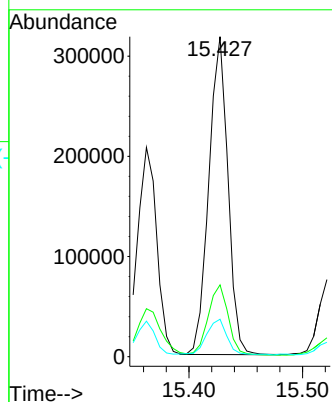
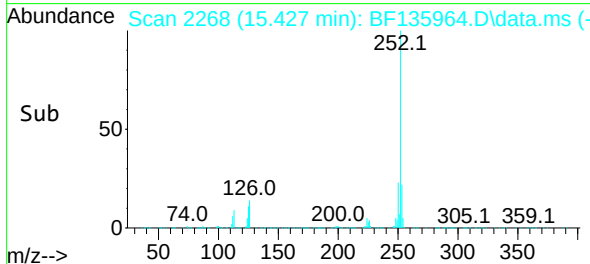


Tgt Ion:252 Resp: 371339
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 11.7 9.6 14.4

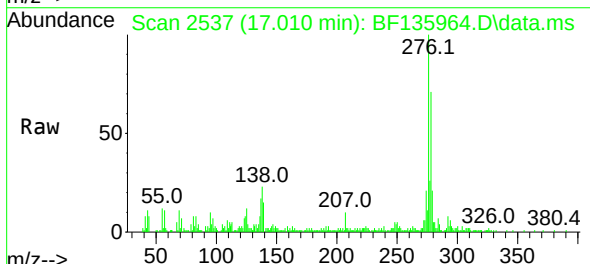
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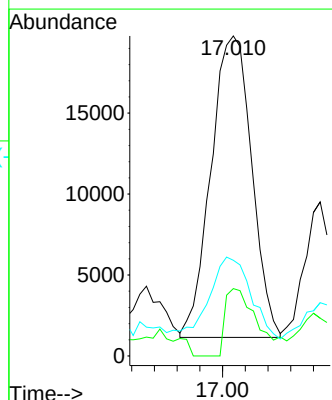
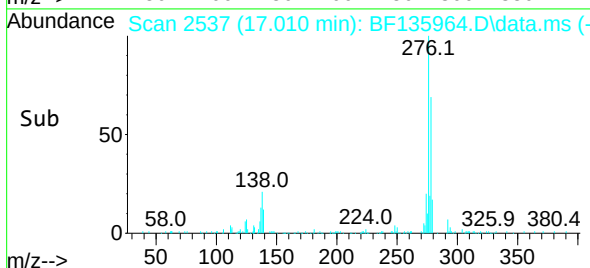
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

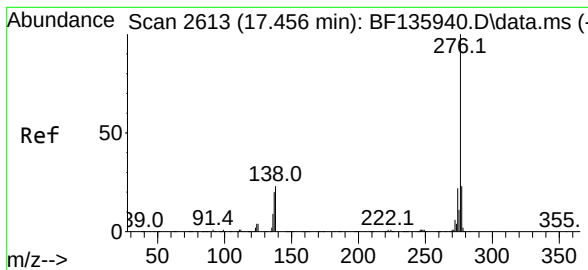


#91
Dibenzo(a,h)anthracene
Concen: 2.683 ng m
RT: 17.010 min Scan# 2537
Delta R.T. -0.012 min
Lab File: BF135964.D
Acq: 26 Oct 2023 15:33



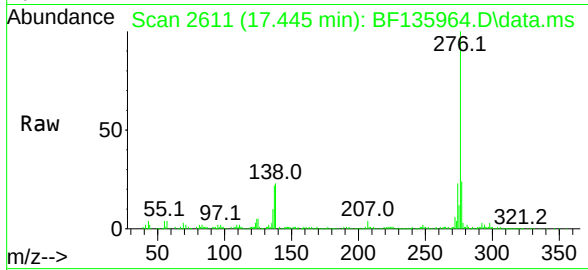
Tgt Ion:278 Resp: 46365
Ion Ratio Lower Upper
278 100
139 21.1 14.0 21.0#
279 29.9 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 11.540 ng
 RT: 17.445 min Scan# 20
 Delta R.T. -0.011 min
 Lab File: BF135964.D
 Acq: 26 Oct 2023 15:33

Instrument : BNA_F
 ClientSampleId : MMFB-1



Tgt Ion: 276 Resp: 165929

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	23.1	18.4	27.6

Manual Integrations
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Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

