

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134042.D
 Acq On : 29 Jun 2023 18:02
 Operator : CG\JU
 Sample : 03355-08DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMPDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 30 06:00:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	95181	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	331176	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	135784	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	250279	20.000	ng	0.00
76) Chrysene-d12	14.039	240	175838	20.000	ng	0.00
86) Perylene-d12	15.545	264	146611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	50889	8.944	ng	0.00
7) Phenol-d6	6.475	99	59720	8.534	ng	-0.02
23) Nitrobenzene-d5	7.404	82	37676	6.133	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	9892	5.810	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	71870	7.695	ng	-0.01
79) Terphenyl-d14	12.974	244	71267	6.523	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	76603	6.080	ng	100
72) Anthracene	11.457	178	103759	7.918	ng	98
75) Fluoranthene	12.598	202	257594	18.911	ng	99
78) Pyrene	12.833	202	277597	16.964	ng	99
81) Benzo(a)anthracene	14.027	228	113010	9.267	ng	97
83) Chrysene	14.063	228	102584	8.685	ng	98
84) Bis(2-ethylhexyl)phtha...	14.016	149	192003	27.226	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	32174	3.163	ng	97
88) Benzo(b)fluoranthene	15.104	252	105201m	12.203	ng	
89) Benzo(k)fluoranthene	15.127	252	28011m	3.191	ng	
90) Benzo(a)pyrene	15.480	252	64170	7.698	ng	# 92
92) Benzo(g,h,i)perylene	17.551	276	28504	3.326	ng	# 93

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

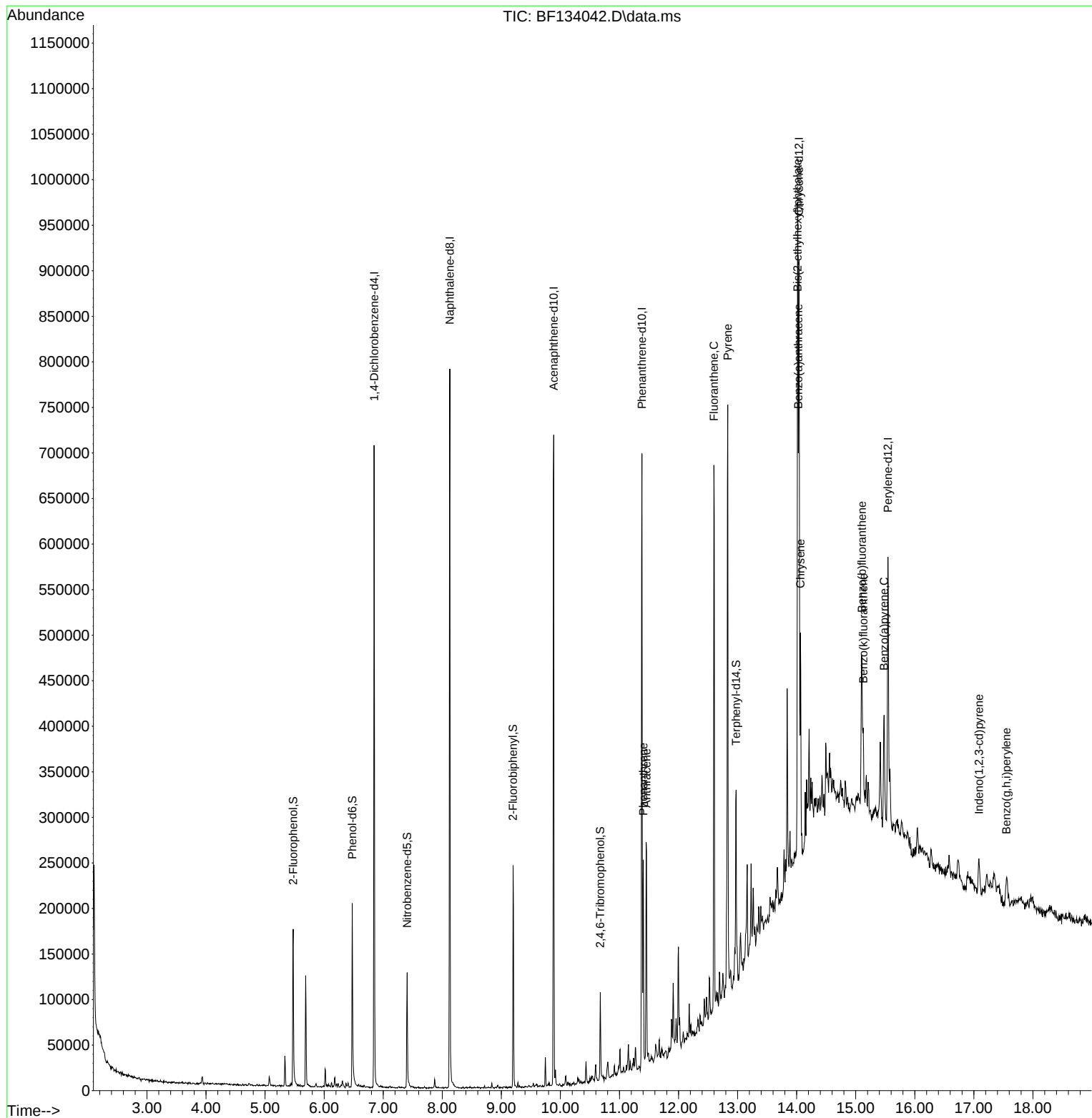
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
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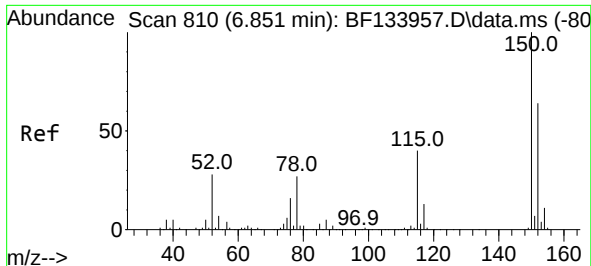
Instrument :
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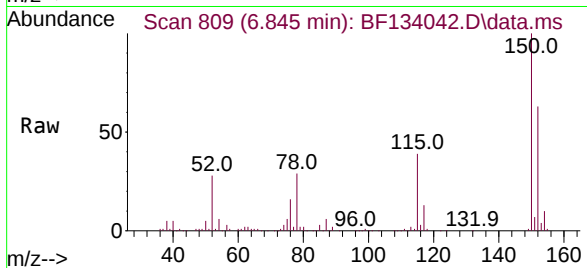
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL



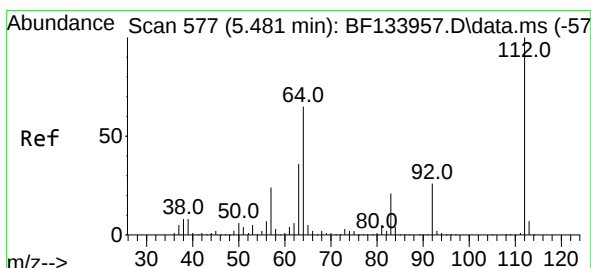
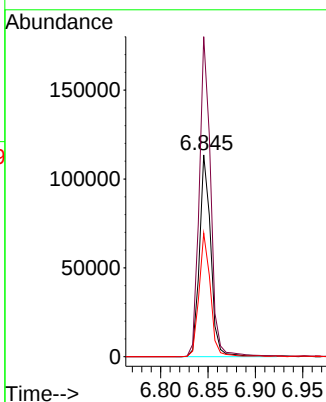
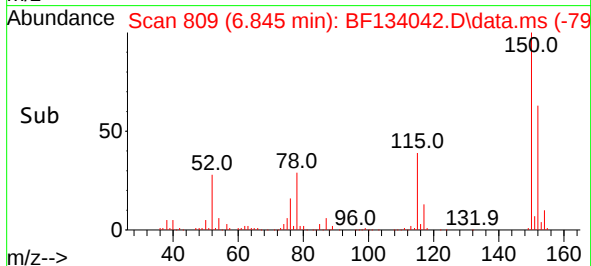
Tgt Ion:152 Resp: 9518
Ion Ratio Lower Upper
152 100
150 158.6 124.5 186.7
115 61.2 50.2 75.2

Manual Integrations

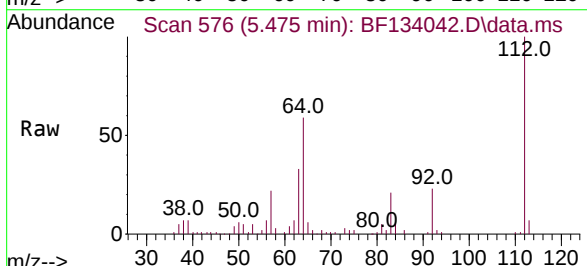
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Reviewed By :Yogesh Patel 06/30/2023

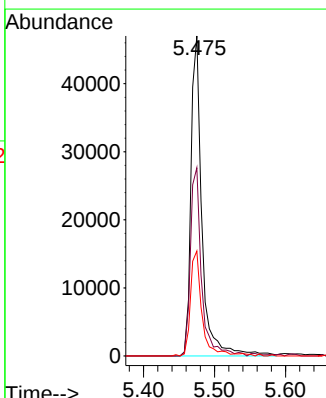
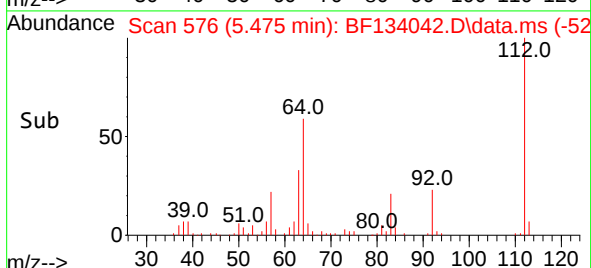
Supervised By :mohammad ahmed 06/30/2023

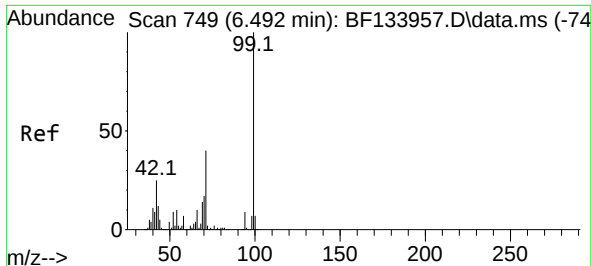


#5
2-Fluorophenol
Concen: 8.944 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02



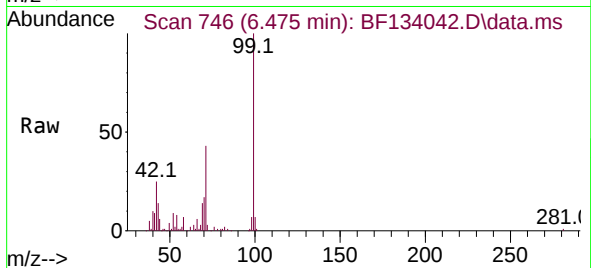
Tgt Ion:112 Resp: 50889
Ion Ratio Lower Upper
112 100
64 58.8 52.1 78.1
63 32.8 28.6 42.8





#7
Phenol-d6
Concen: 8.534 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.017 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

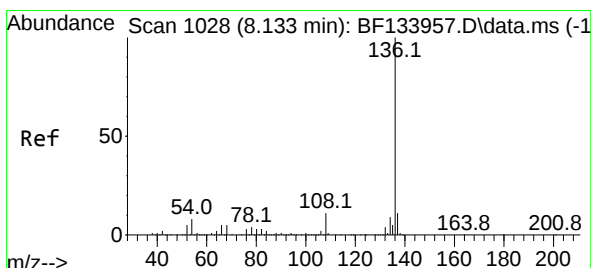
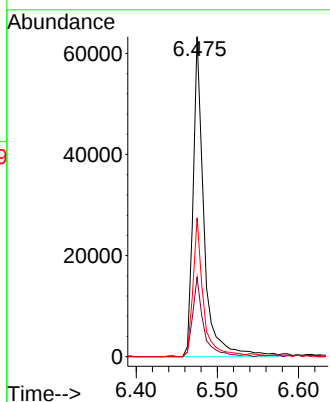
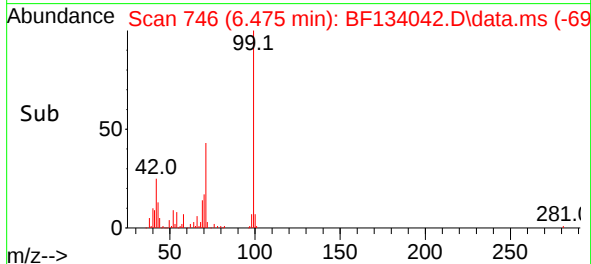
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL



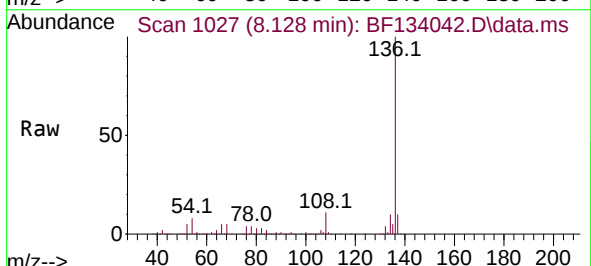
Tgt Ion: 99 Resp: 59720
Ion Ratio Lower Upper
99 100
42 24.8 19.8 29.6
71 43.4 31.9 47.9

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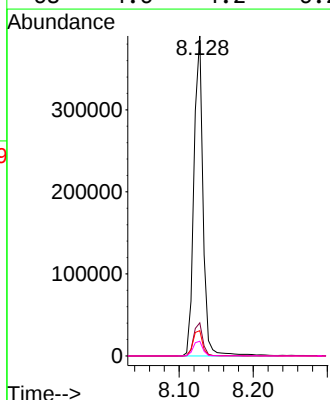
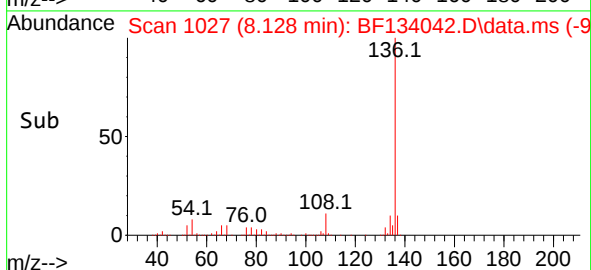
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

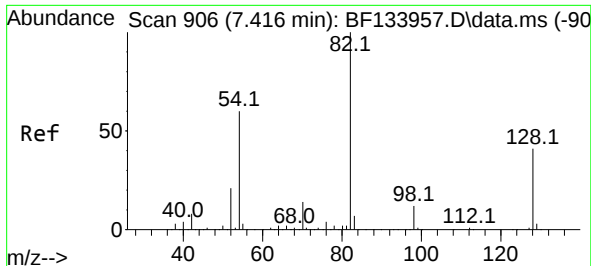


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02



Tgt Ion:136 Resp: 331176
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 7.9 6.5 9.7
68 4.6 4.2 6.2





#23

Nitrobenzene-d5

Concen: 6.133 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134042.D

Acq: 29 Jun 2023 18:02

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL

Tgt Ion: 82 Resp: 37670

Ion Ratio Lower Upper

82 100

128 42.0 32.5 48.7

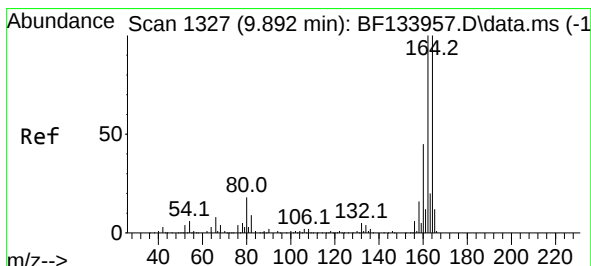
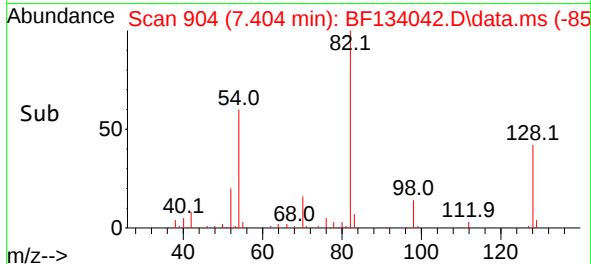
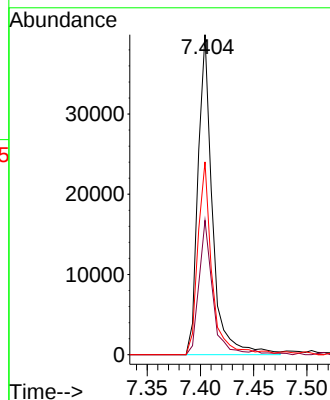
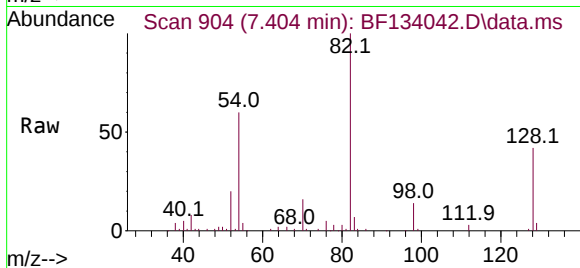
54 60.2 48.2 72.2

Manual Integrations

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Supervised By :mohammad ahmed 06/30/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF134042.D

Acq: 29 Jun 2023 18:02

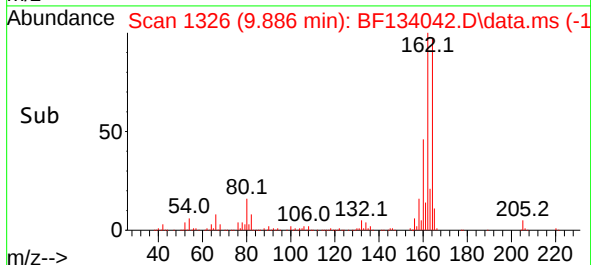
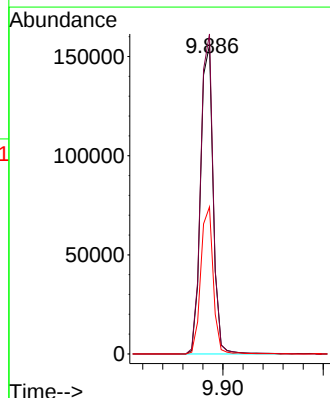
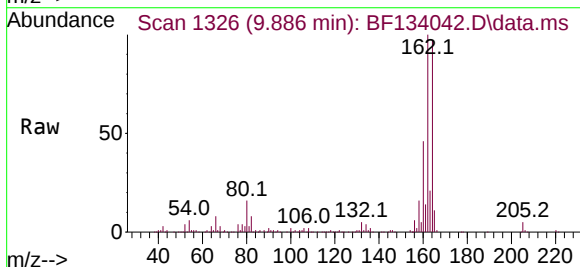
Tgt Ion:164 Resp: 135784

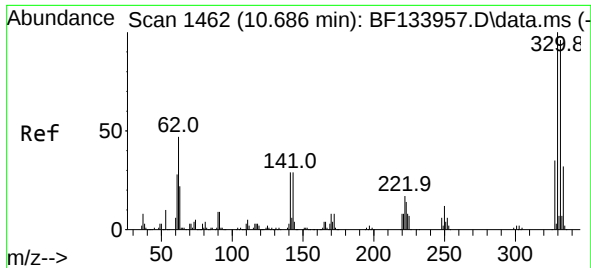
Ion Ratio Lower Upper

164 100

162 103.6 80.0 120.0

160 47.6 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 5.810 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Instrument :

BNA_F

ClientSampleId :

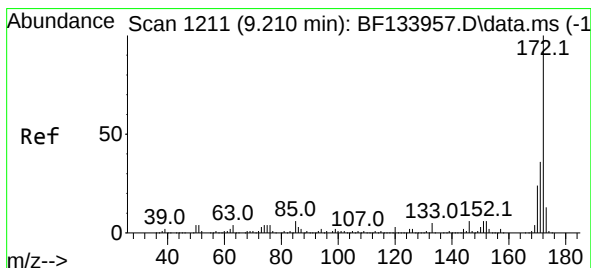
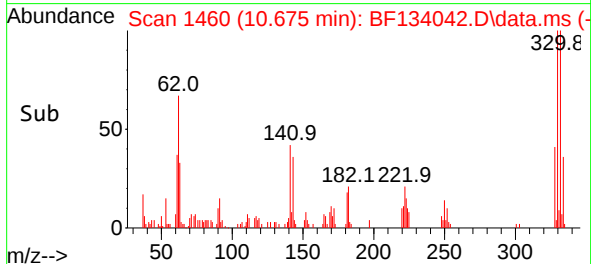
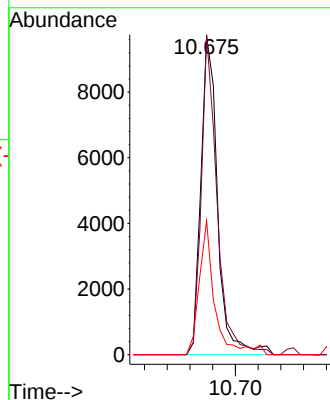
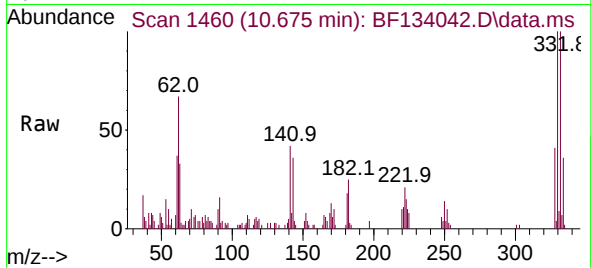
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Tgt Ion:330 Resp: 989
Ion Ratio Lower Upper
330 100
332 94.5 77.0 115.6
141 39.0 26.3 39.5

Manual Integrations

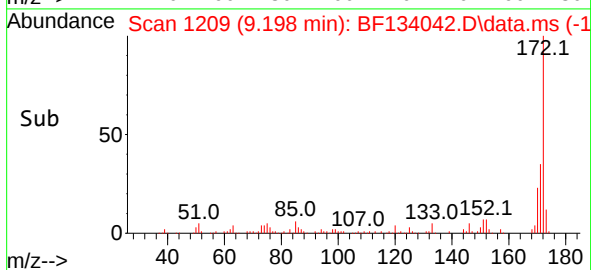
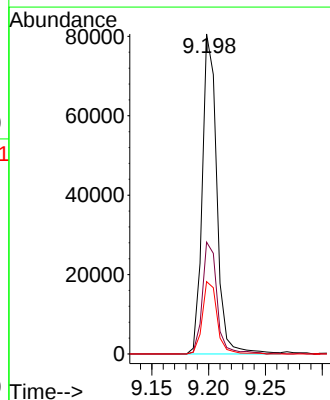
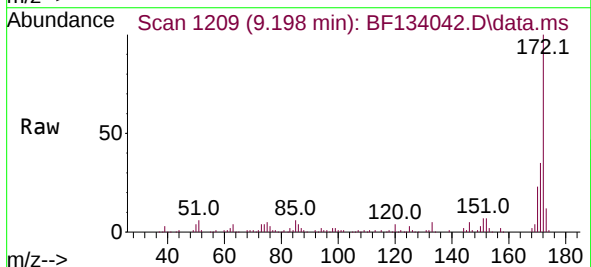
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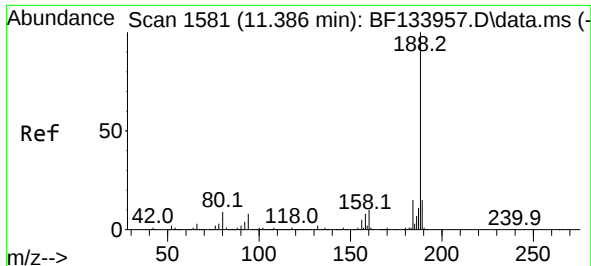
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#45
2-Fluorobiphenyl
Concen: 7.695 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Tgt Ion:172 Resp: 71870
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 22.6 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Instrument :

BNA_F

ClientSampleId :

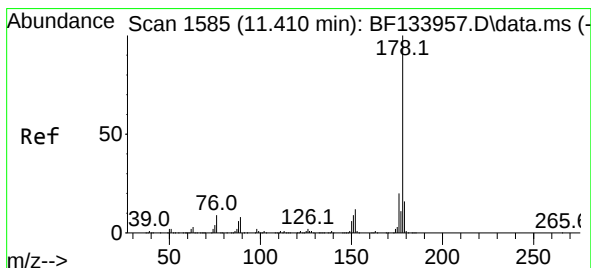
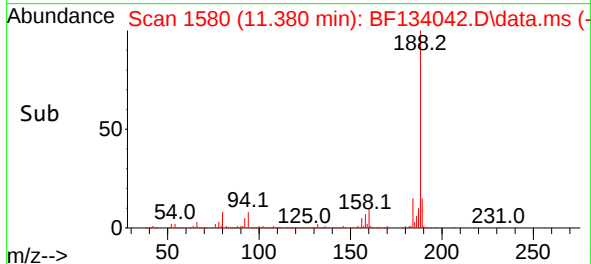
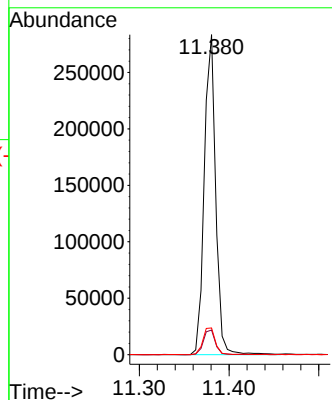
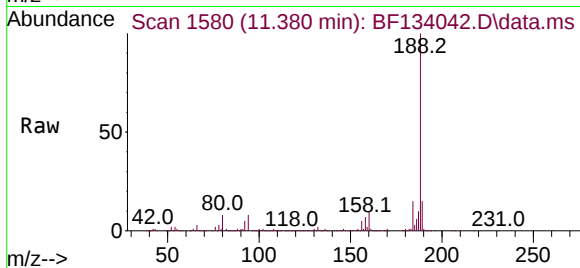
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Tgt Ion:188 Resp: 250279
Ion Ratio Lower Upper
188 100
94 7.7 6.4 9.6
80 8.3 7.3 10.9

Manual Integrations

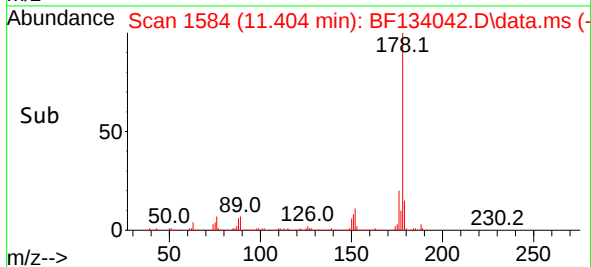
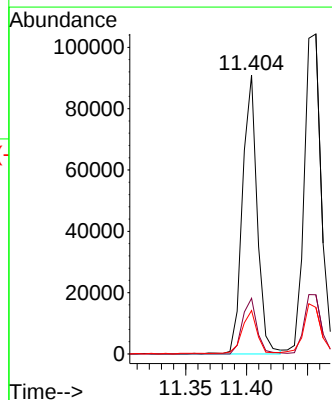
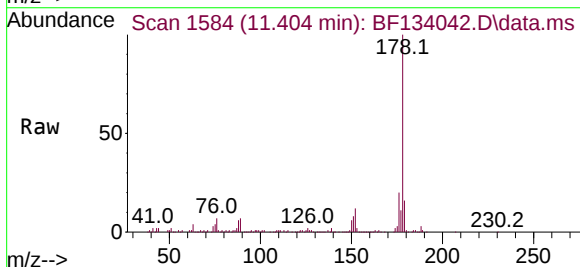
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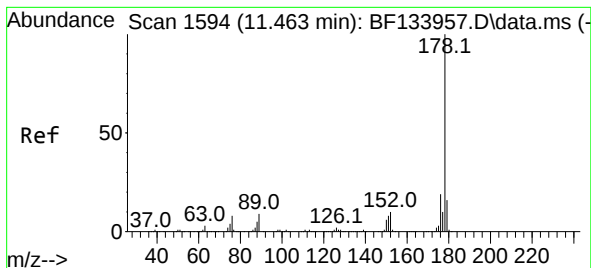
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#71
Phenanthrene
Concen: 6.080 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Tgt Ion:178 Resp: 76603
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.5 12.4 18.6





#72

Anthracene

Concen: 7.918 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134042.D

Acq: 29 Jun 2023 18:02

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL

Tgt Ion:178 Resp: 103759

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

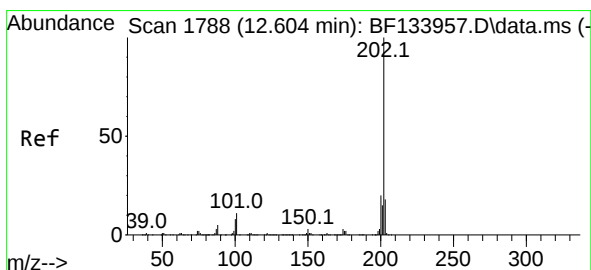
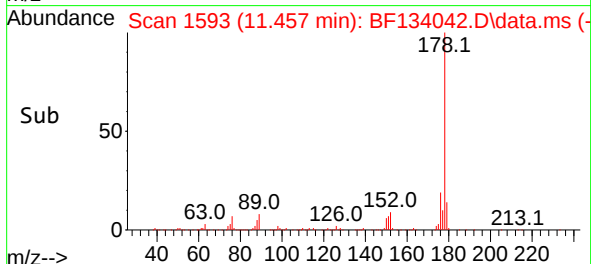
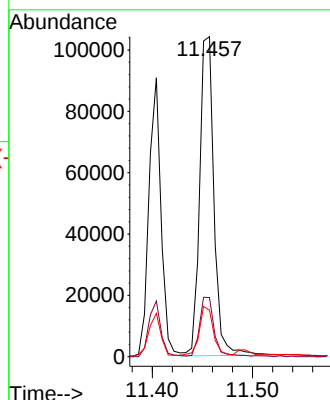
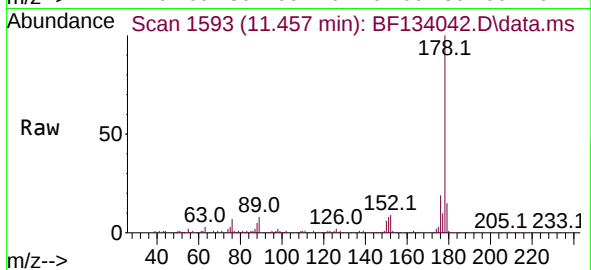
179 14.5 12.4 18.6

Manual Integrations

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Supervised By :mohammad ahmed 06/30/2023



#75

Fluoranthene

Concen: 18.911 ng

RT: 12.598 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BF134042.D

Acq: 29 Jun 2023 18:02

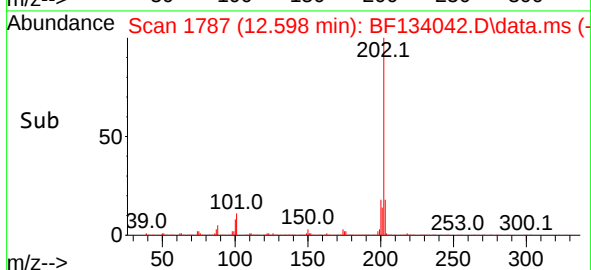
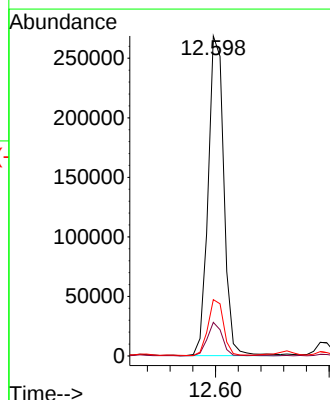
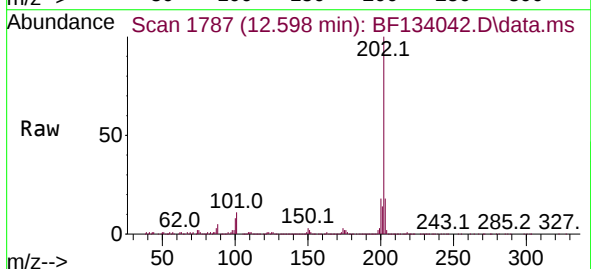
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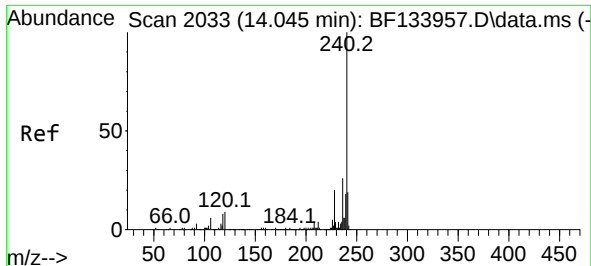
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.0

203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Instrument :

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ClientSampleId :

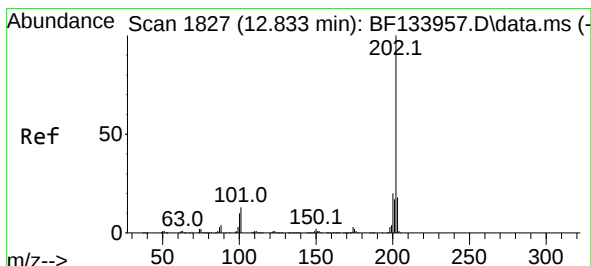
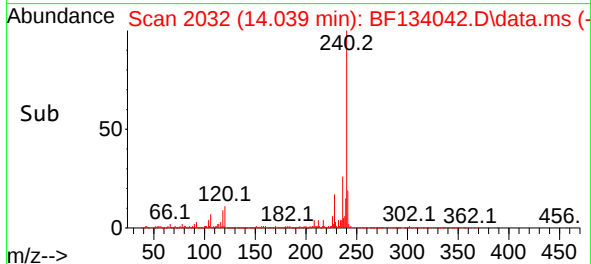
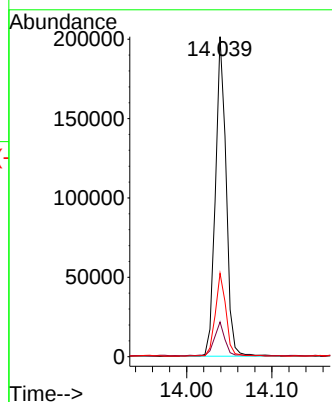
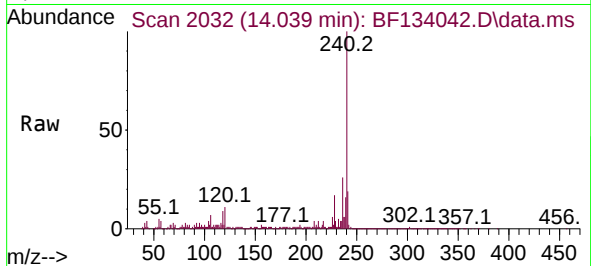
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Tgt Ion:240 Resp: 175838
Ion Ratio Lower Upper
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120 10.9 7.4 11.0
236 26.1 21.0 31.6

Manual Integrations

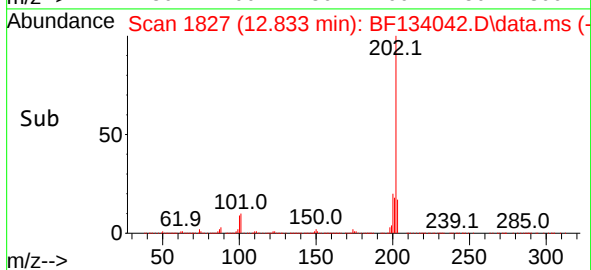
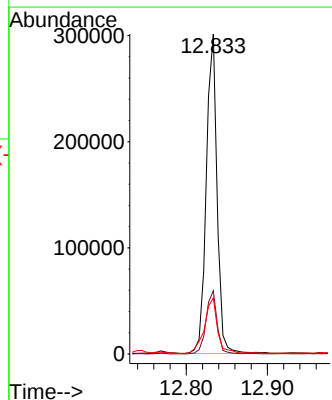
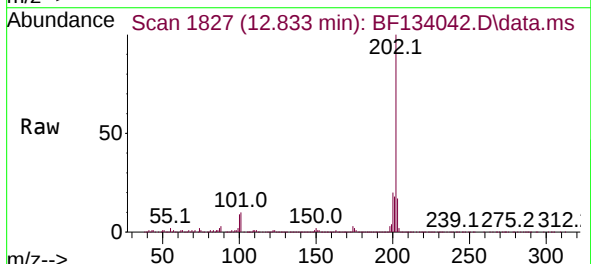
APPROVED

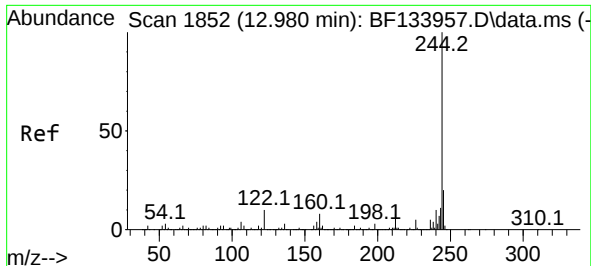
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#78
Pyrene
Concen: 16.964 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Tgt Ion:202 Resp: 277597
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.5 14.3 21.5





#79
 Terphenyl-d14
 Concen: 6.523 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF134042.D
 Acq: 29 Jun 2023 18:02

Instrument :

BNA_F

ClientSampleId :

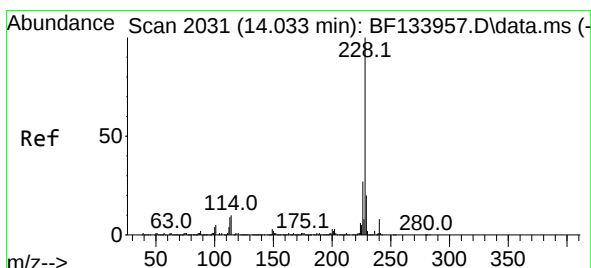
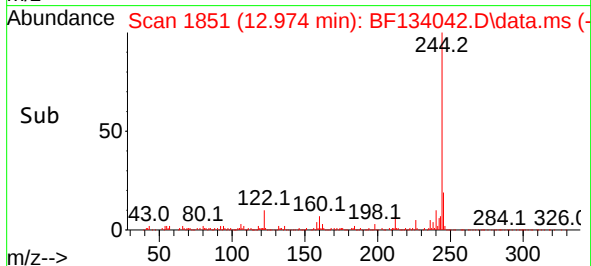
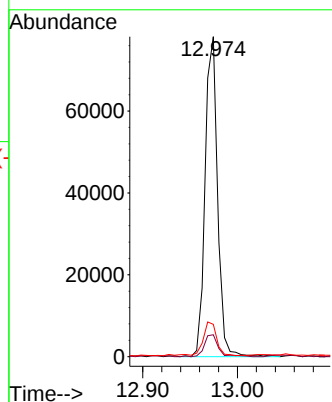
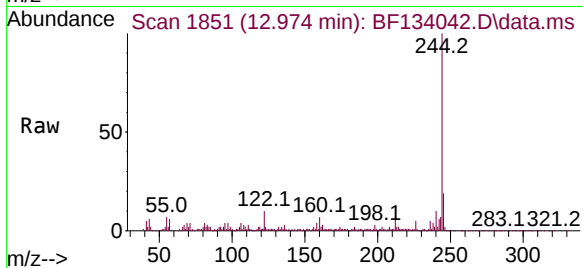
SB-04-COMPDL

Tgt Ion:244 Resp: 7126
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.1 8.3 12.5

Manual Integrations

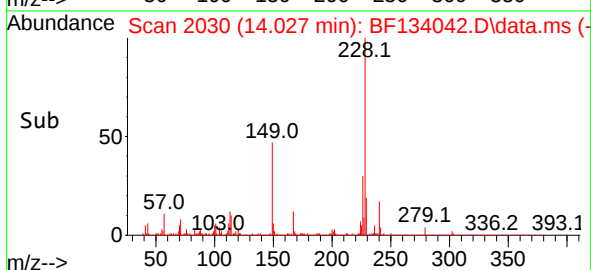
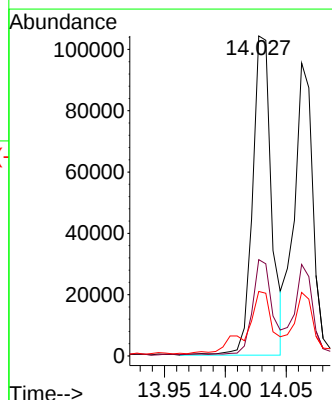
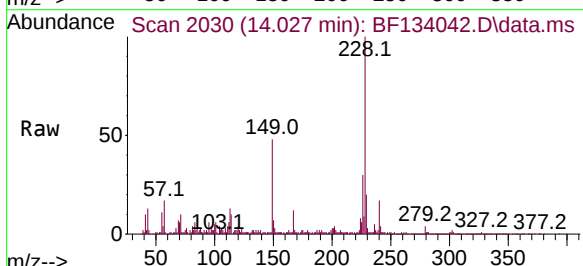
APPROVED

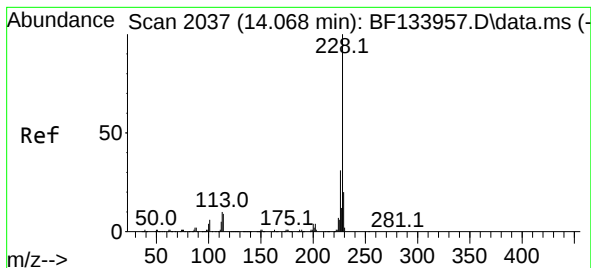
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023



#81
 Benzo(a)anthracene
 Concen: 9.267 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF134042.D
 Acq: 29 Jun 2023 18:02

Tgt Ion:228 Resp: 113010
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.0 33.0
 229 20.1 16.3 24.5





#83

Chrysene

Concen: 8.685 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134042.D

Acq: 29 Jun 2023 18:02

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL

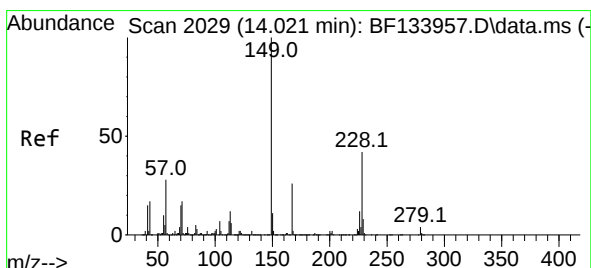
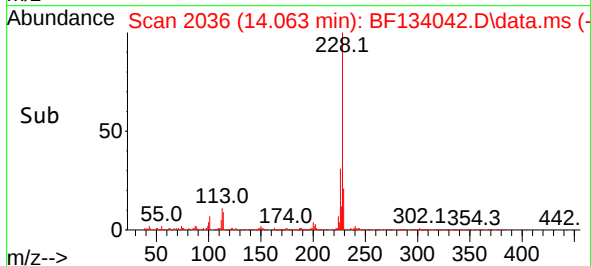
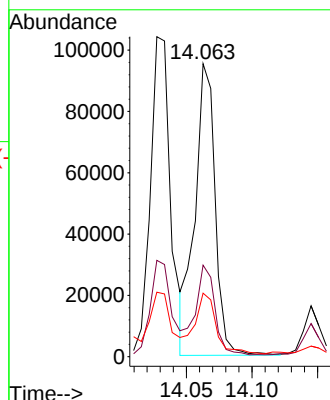
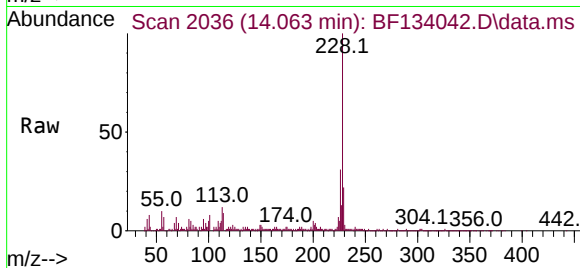
Tgt Ion:228 Resp: 102584
 Ion Ratio Lower Upper
 228 100
 226 31.3 24.4 36.6
 229 21.7 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 27.226 ng

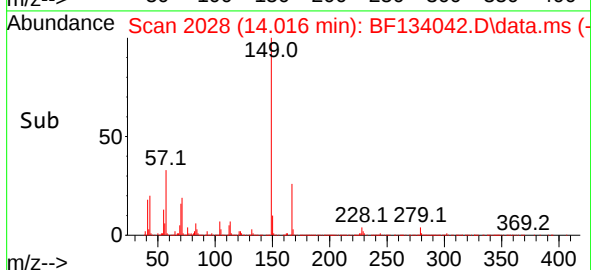
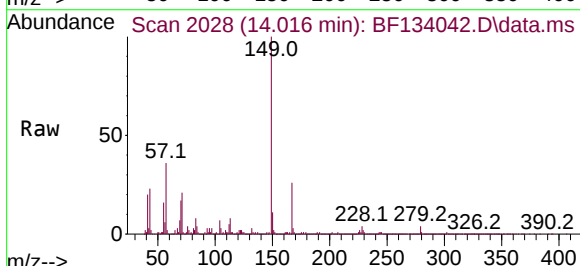
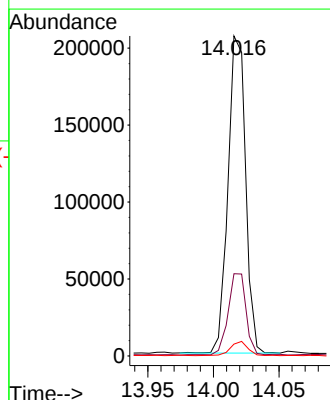
RT: 14.016 min Scan# 2028

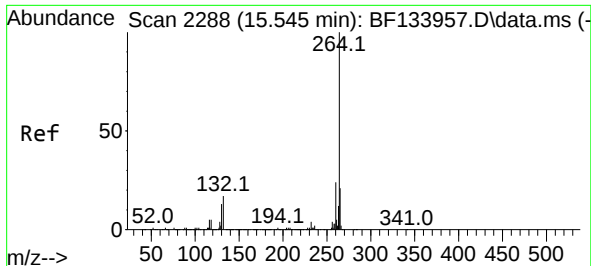
Delta R.T. -0.006 min

Lab File: BF134042.D

Acq: 29 Jun 2023 18:02

Tgt Ion:149 Resp: 192003
 Ion Ratio Lower Upper
 149 100
 167 25.7 21.0 31.4
 279 3.7 3.3 4.9





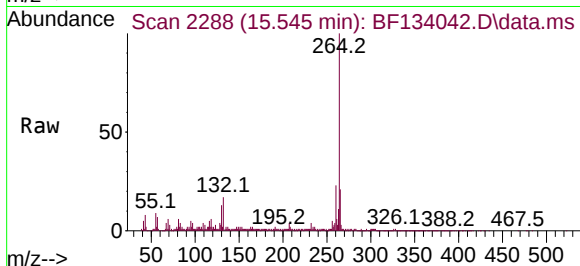
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL

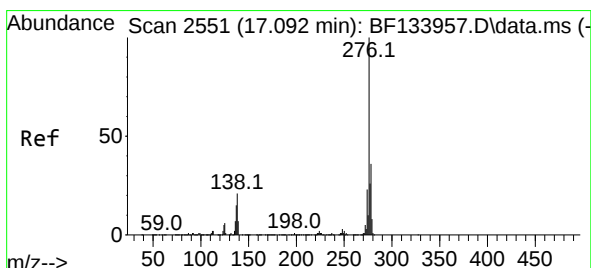
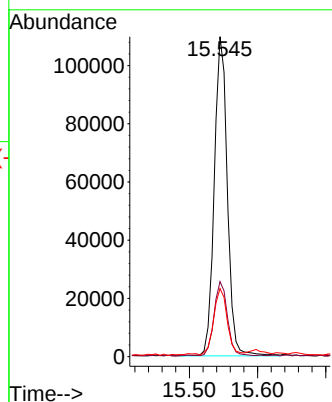
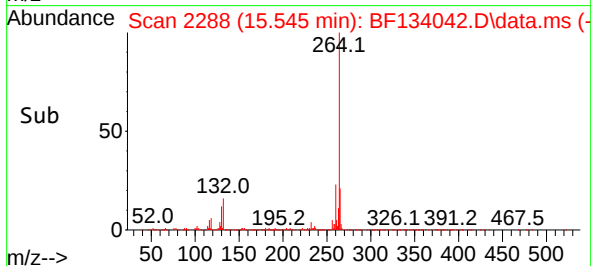


Tgt Ion:264 Resp: 14661
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 21.3 16.6 25.0

Manual Integrations

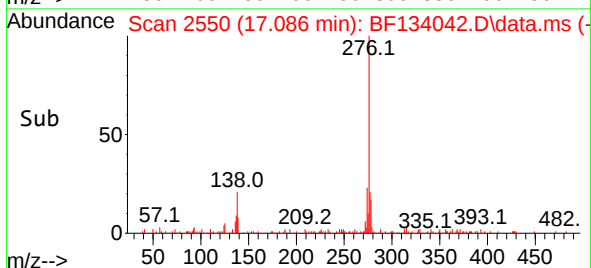
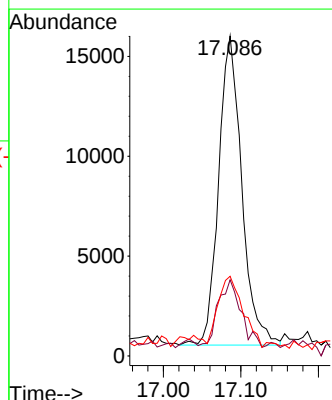
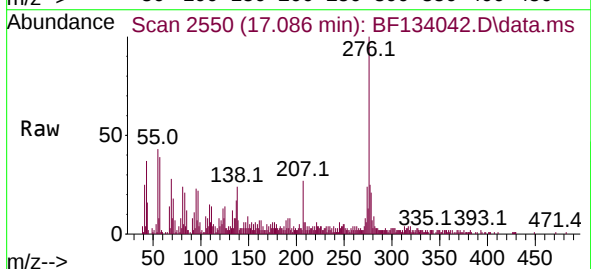
APPROVED

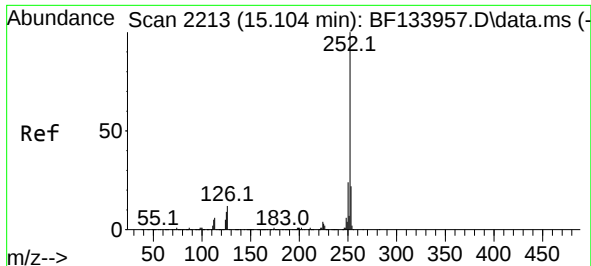
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.163 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Tgt Ion:276 Resp: 32174
Ion Ratio Lower Upper
276 100
138 21.7 18.7 28.1
277 23.4 19.9 29.9





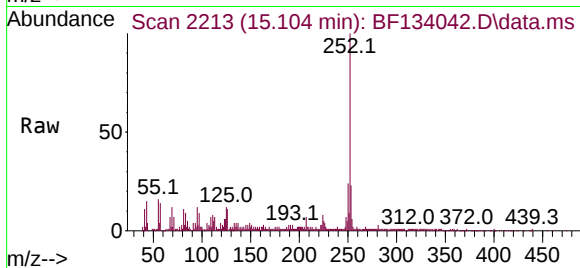
#88
Benzo(b)fluoranthene
Concen: 12.203 ng m
RT: 15.104 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Instrument :

BNF

ClientSampleId :

SB-04-COMPDL



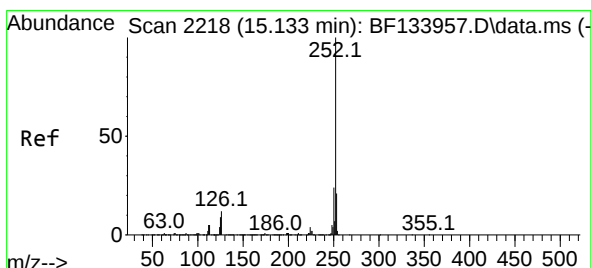
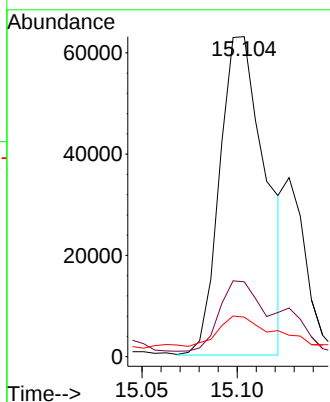
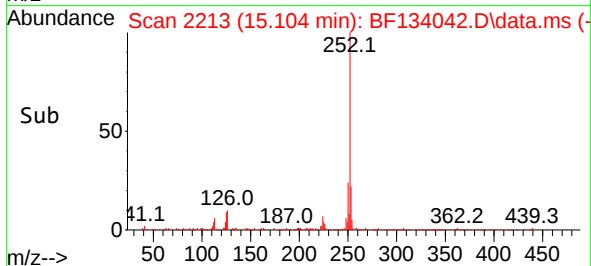
Tgt Ion:252 Resp: 10520
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 12.4 7.1 10.7

Manual Integrations

APPROVED

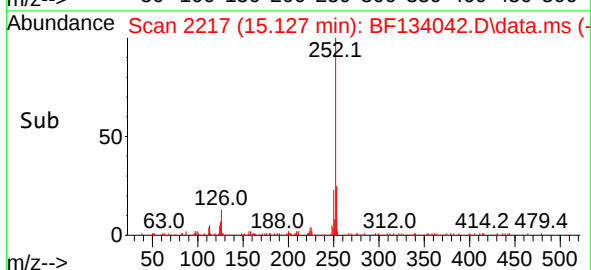
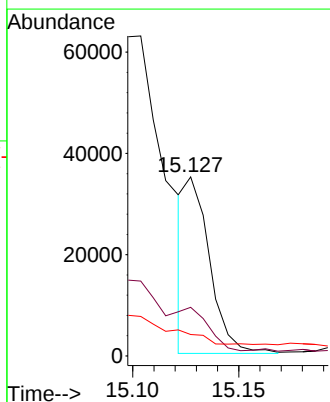
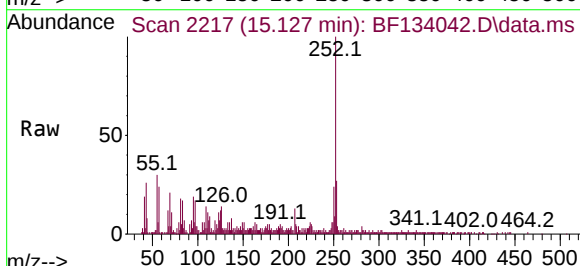
Reviewed By :Yogesh Patel 06/30/2023

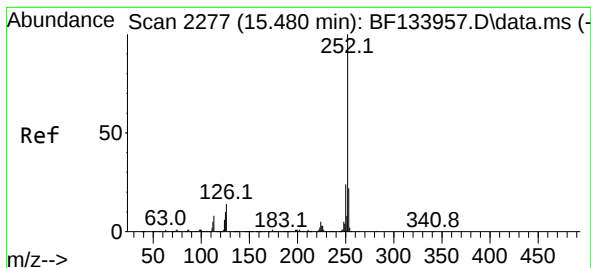
Supervised By :mohammad ahmed 06/30/2023



#89
Benzo(k)fluoranthene
Concen: 3.191 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF134042.D
Acq: 29 Jun 2023 18:02

Tgt Ion:252 Resp: 28011
Ion Ratio Lower Upper
252 100
253 27.2 16.9 25.3#
125 12.0 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 7.698 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134042.D

Acq: 29 Jun 2023 18:02

Instrument :

BNF

ClientSampleId :

SB-04-COMPDL

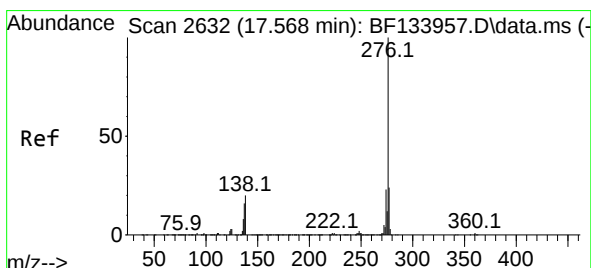
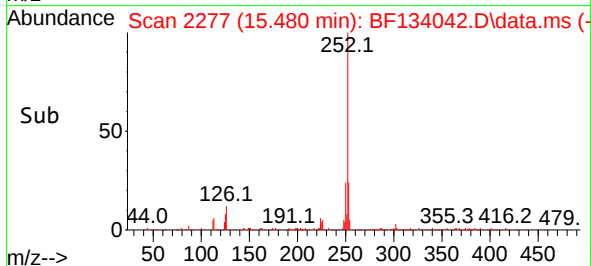
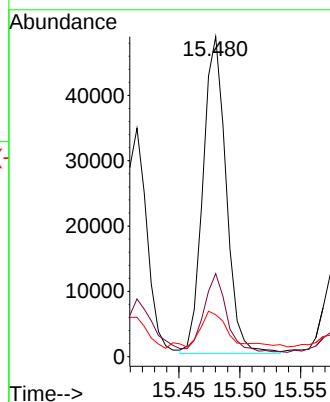
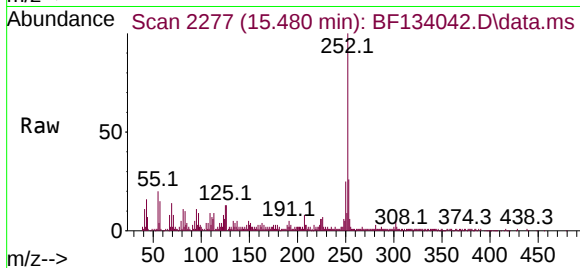
Tgt Ion:	252	Resp:	64170
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.4	26.0
125	13.1	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#92

Benzo(g,h,i)perylene

Concen: 3.326 ng

RT: 17.551 min Scan# 2629

Delta R.T. -0.017 min

Lab File: BF134042.D

Acq: 29 Jun 2023 18:02

Tgt Ion:	276	Resp:	28504
Ion Ratio	Lower	Upper	
276	100		
277	29.0	19.0	28.6
138	21.7	16.2	24.2

