

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135219.D
 Acq On : 13 Sep 2023 11:55
 Operator : CG\JU
 Sample : 04299-06 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 12:34:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	105646	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	366391	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	139241	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	217431	20.000	ng	0.00
76) Chrysene-d12	13.951	240	194028	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	173982	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	63608	9.793	ng	0.00
7) Phenol-d6	6.398	99	73930	8.951	ng	0.00
23) Nitrobenzene-d5	7.322	82	41345	6.131	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	10863	7.851	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	75903	8.224	ng	0.00
79) Terphenyl-d14	12.886	244	60905	4.866	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.833	154	21840	2.865	ng	96
58) Fluorene	10.351	166	30477	3.408	ng	96
71) Phenanthrene	11.316	178	297386	28.919	ng	99
72) Anthracene	11.369	178	61819	5.848	ng	97
73) Carbazole	11.527	167	24068	2.501	ng	100
75) Fluoranthene	12.510	202	352124	32.862	ng	98
78) Pyrene	12.739	202	331771	17.960	ng	99
81) Benzo(a)anthracene	13.939	228	170645	13.620	ng	95
83) Chrysene	13.974	228	165340	13.273	ng	98
84) Bis(2-ethylhexyl)phtha...	13.933	149	14503	2.173	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	48911	4.288	ng	96
88) Benzo(b)fluoranthene	14.986	252	144180m	15.309	ng	
89) Benzo(k)fluoranthene	15.010	252	49362m	5.306	ng	
90) Benzo(a)pyrene	15.351	252	98332	10.948	ng	99
92) Benzo(g,h,i)perylene	17.333	276	46232	4.743	ng	95

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

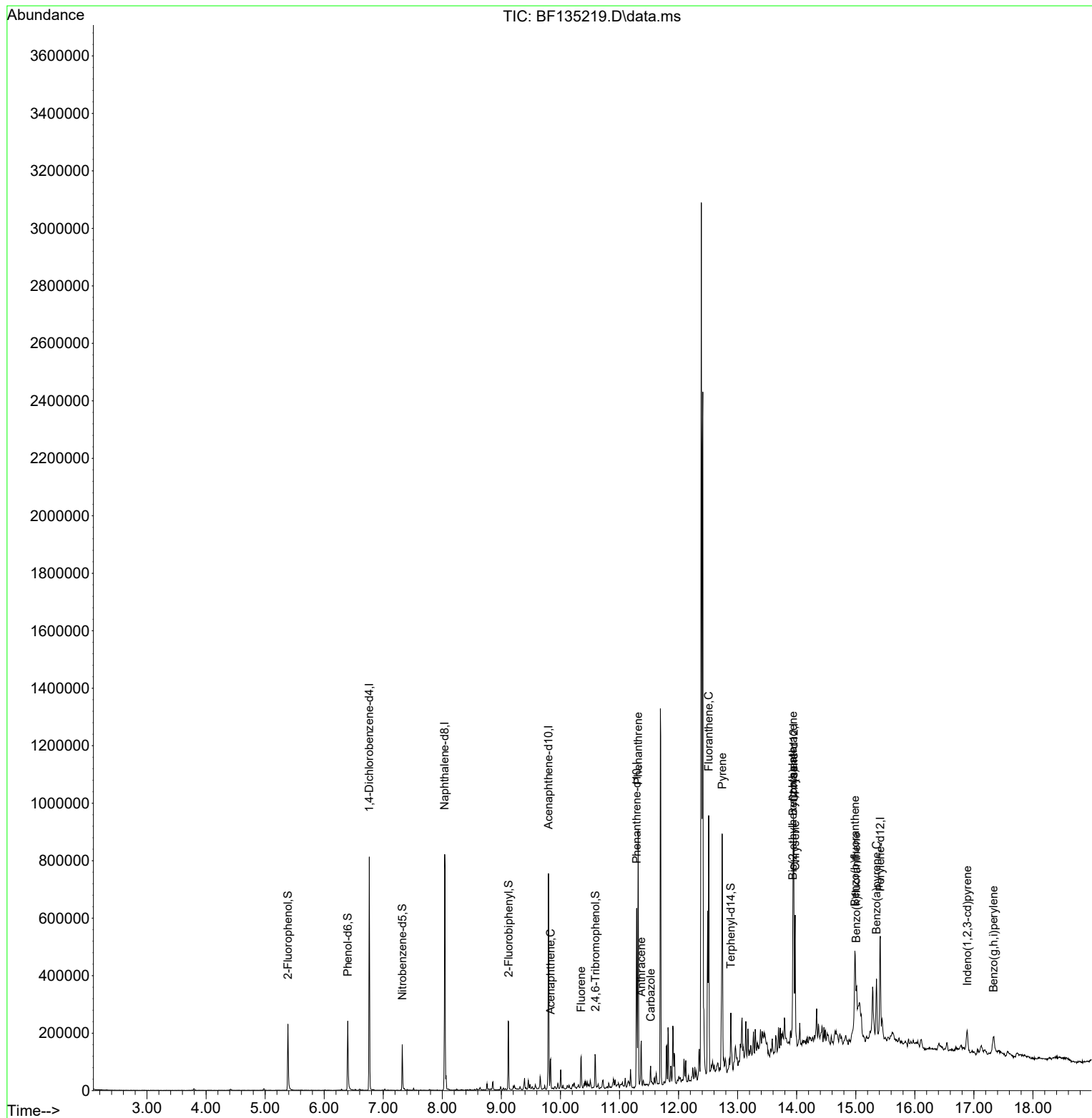
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
Data File : BF135219.D
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Operator : CG\JU
Sample : 04299-06 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

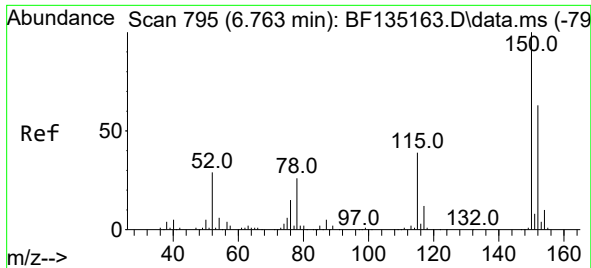
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Quant Time: Sep 13 12:34:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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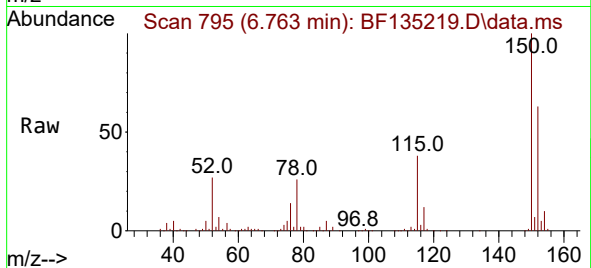
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP



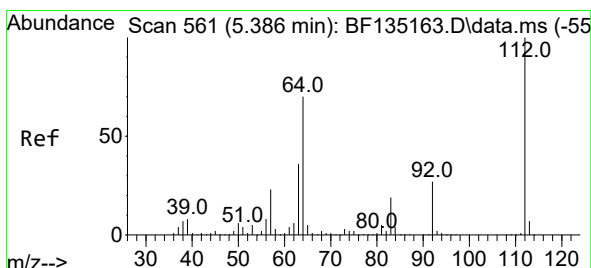
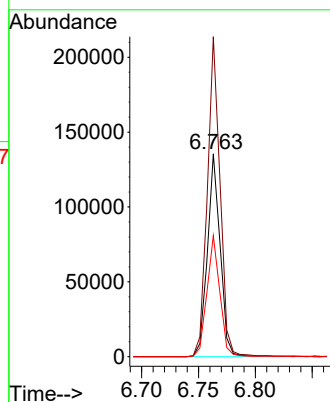
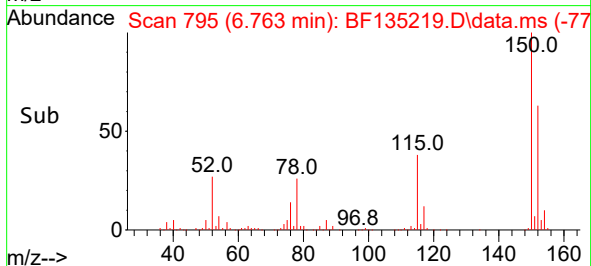
Tgt Ion:152 Resp: 105640
Ion Ratio Lower Upper
152 100
150 157.8 127.8 191.6
115 59.6 49.8 74.8

Manual Integrations

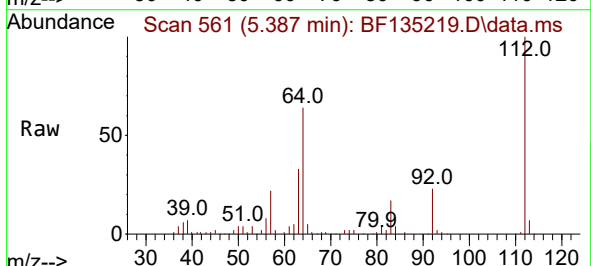
APPROVED

Reviewed By :Yogesh Patel 09/13/2023

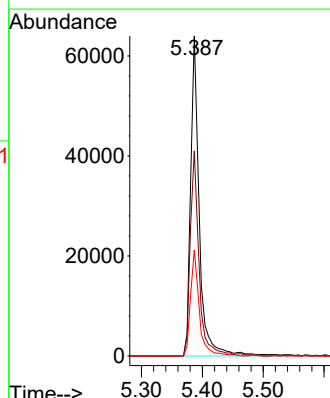
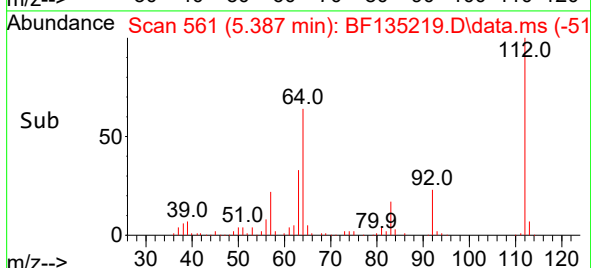
Supervised By :mohammad ahmed 09/14/2023

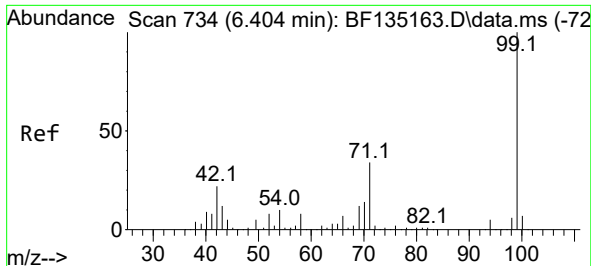


#5
2-Fluorophenol
Concen: 9.793 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55



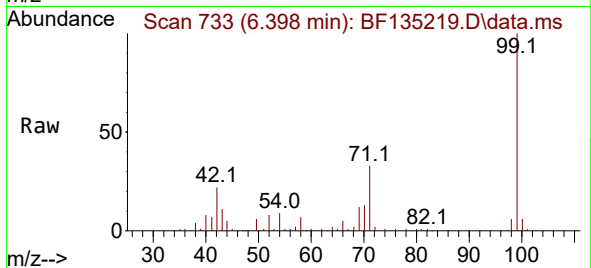
Tgt Ion:112 Resp: 63608
Ion Ratio Lower Upper
112 100
64 64.1 55.9 83.9
63 33.1 29.0 43.6





#7
Phenol-d6
Concen: 8.951 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

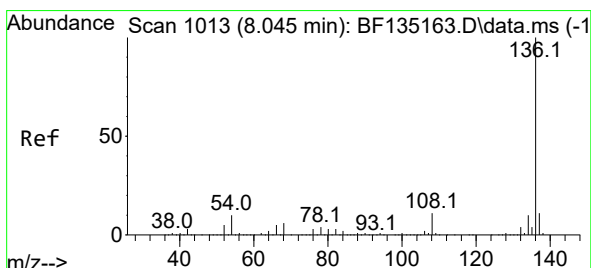
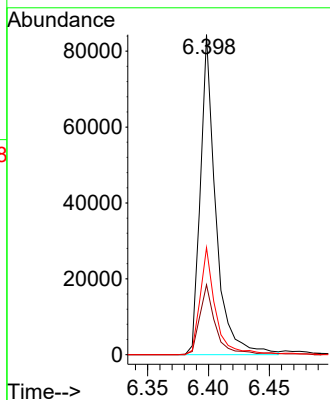
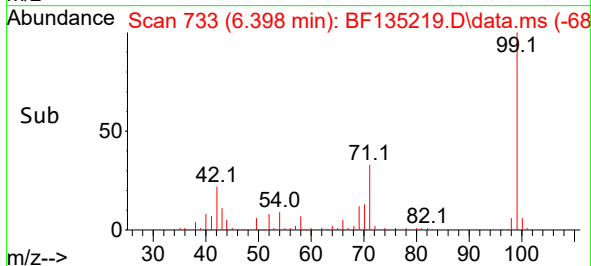
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP



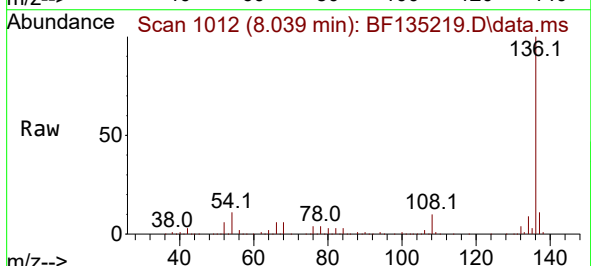
Tgt Ion: 99 Resp: 73930
Ion Ratio Lower Upper
99 100
42 21.9 17.9 26.9
71 33.4 27.0 40.6

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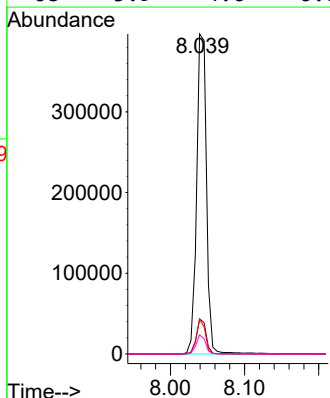
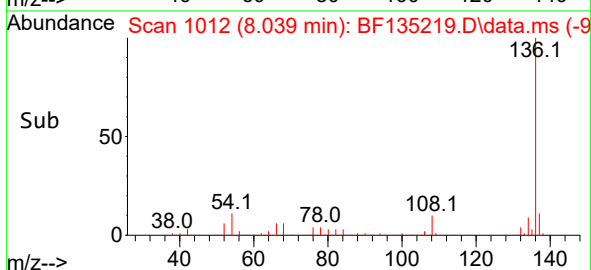
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

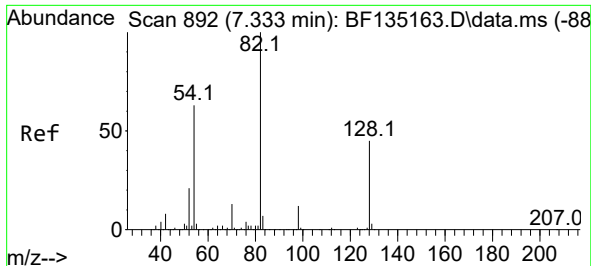


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55



Tgt Ion:136 Resp: 366391
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.9 7.7 11.5
68 5.9 4.6 6.8





#23
Nitrobenzene-d5
Concen: 6.131 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

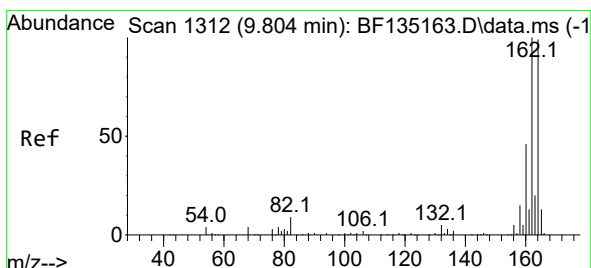
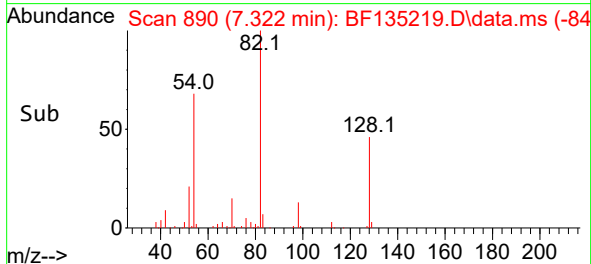
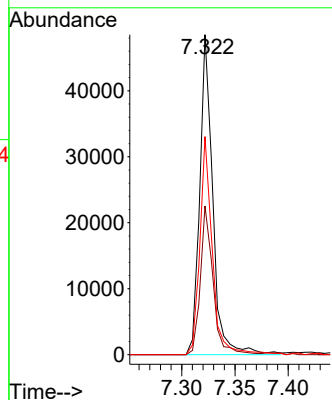
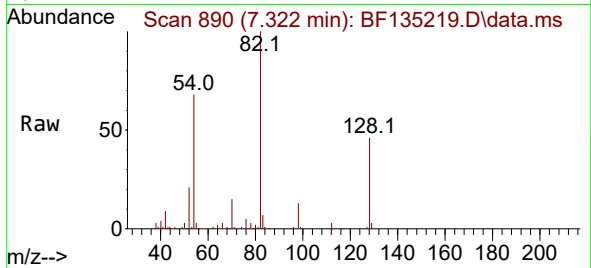
ClientSampleId :

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Tgt Ion: 82 Resp: 4134
Ion Ratio Lower Upper
82 100
128 46.4 35.8 53.6
54 68.2 50.6 76.0

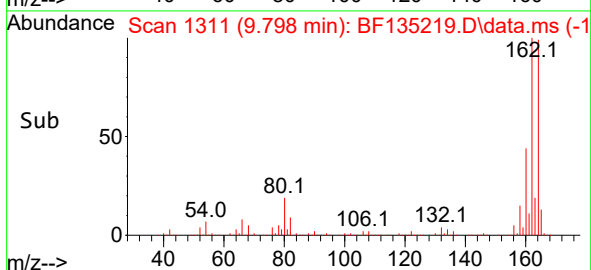
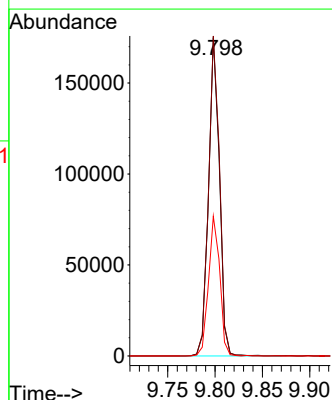
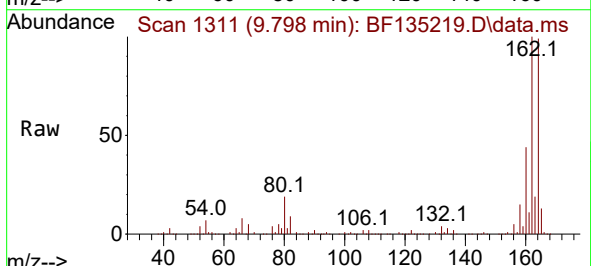
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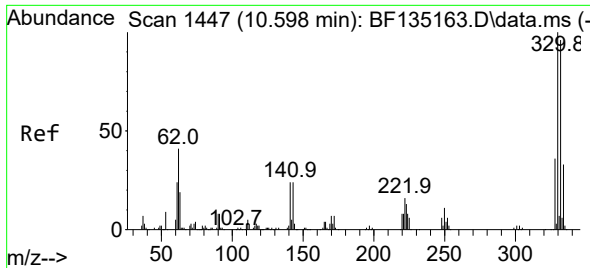
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:164 Resp: 139241
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 43.9 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 7.851 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

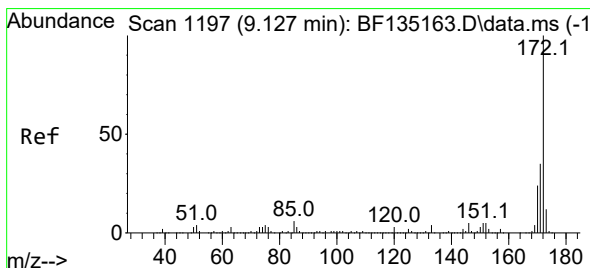
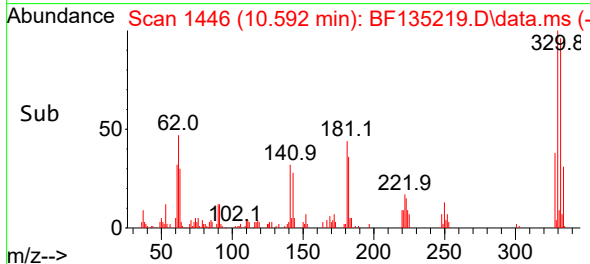
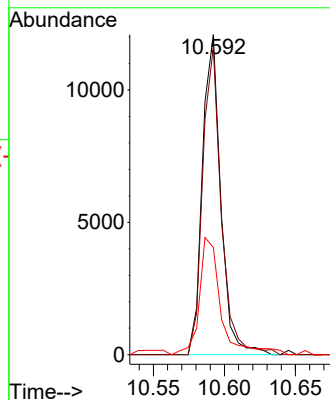
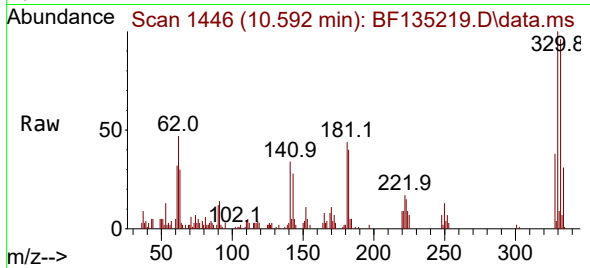
Tgt Ion: 330 Resp: 1086
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 42.9 25.8 38.8

Manual Integrations

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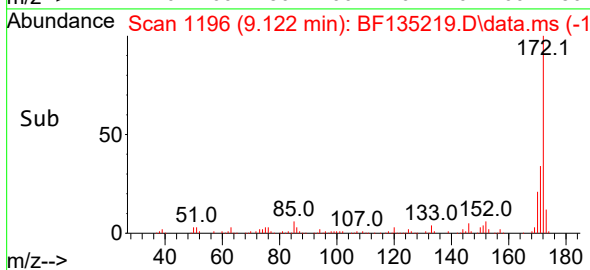
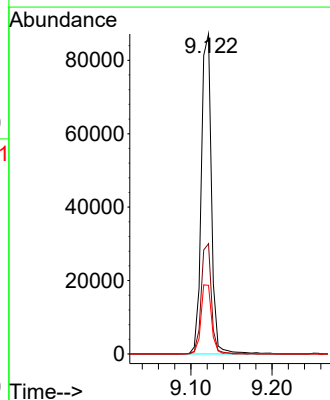
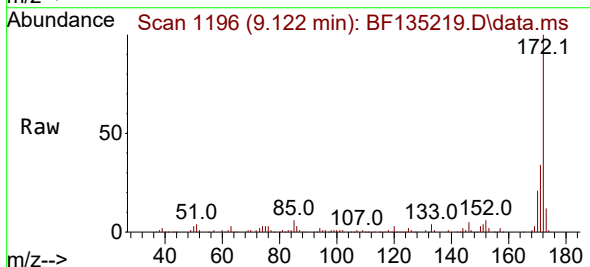
Reviewed By : Yogesh Patel 09/13/2023

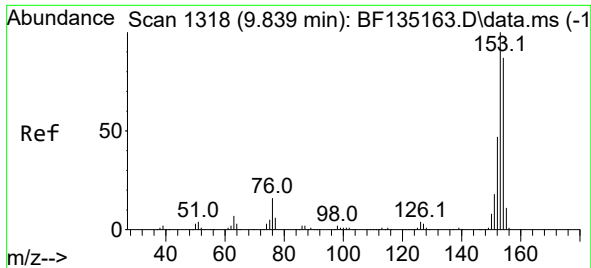
Supervised By : mohammad ahmed 09/14/2023



#45
2-Fluorobiphenyl
Concen: 8.224 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion: 172 Resp: 75903
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 21.4 19.0 28.4





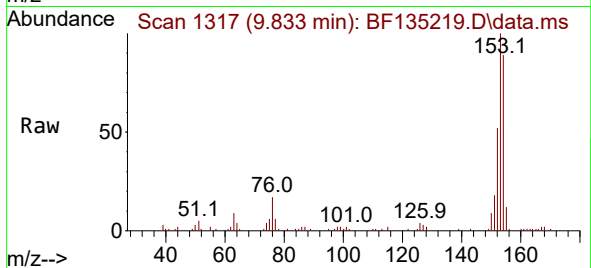
#52
Acenaphthene
Concen: 2.865 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

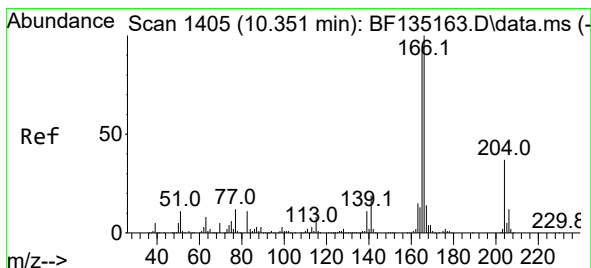
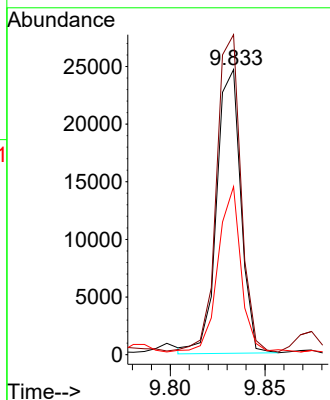
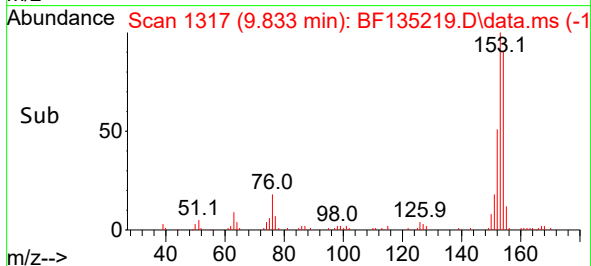


Tgt Ion:154 Resp: 21840
Ion Ratio Lower Upper
154 100
153 112.2 92.1 138.1
152 58.9 43.1 64.7

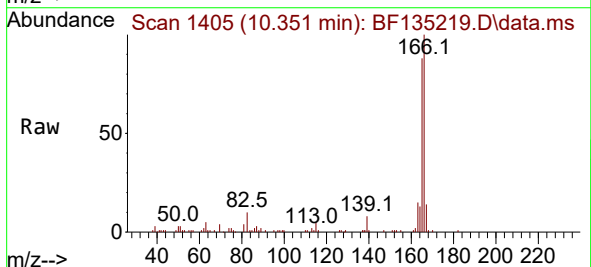
Manual Integrations

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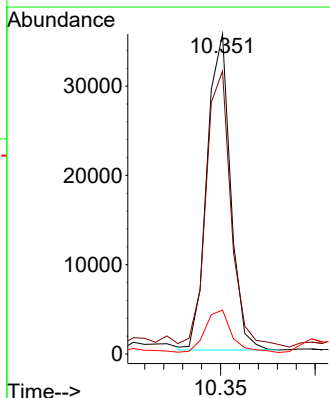
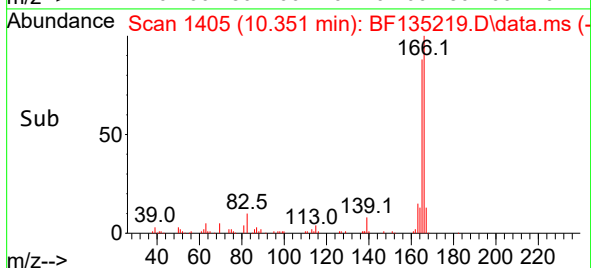
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

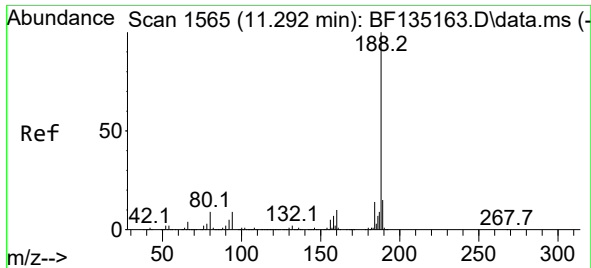


#58
Fluorene
Concen: 3.408 ng
RT: 10.351 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55



Tgt Ion:166 Resp: 30477
Ion Ratio Lower Upper
166 100
165 88.4 74.3 111.5
167 13.7 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

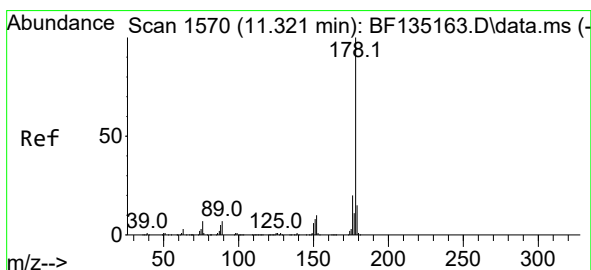
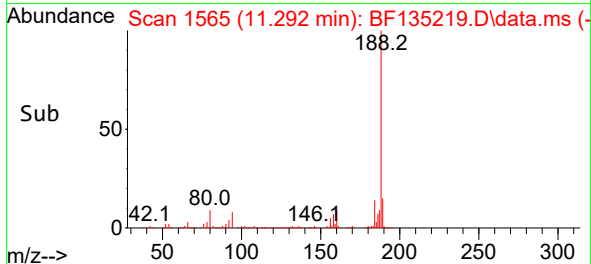
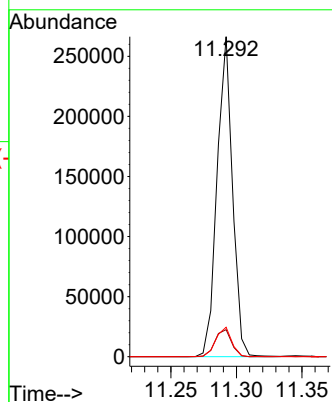
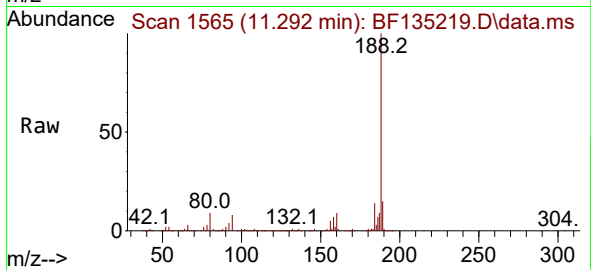
ClientSampleId :

SB-03-COMP

Tgt Ion:188 Resp: 21743
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.2 7.5 11.3

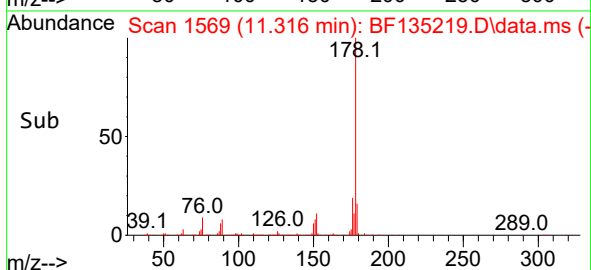
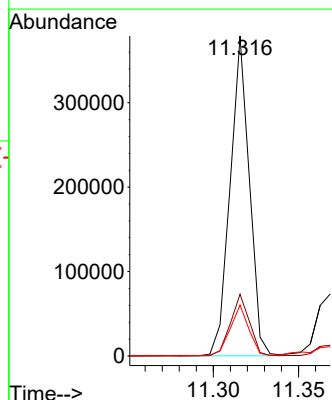
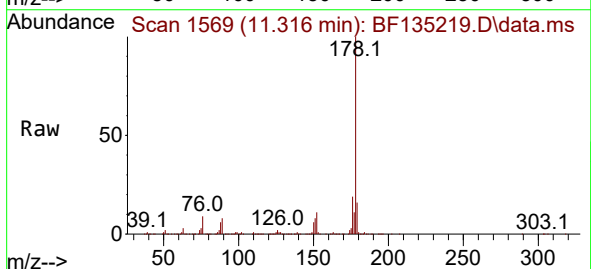
Manual Integrations
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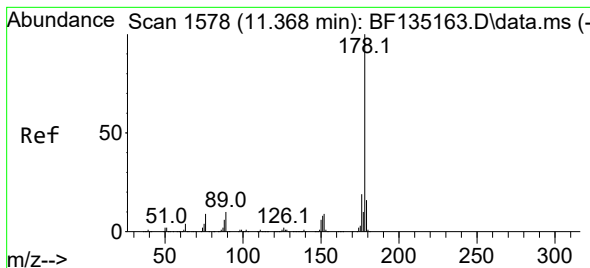
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#71
Phenanthrene
Concen: 28.919 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:178 Resp: 297386
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.9 12.0 18.0





#72

Anthracene

Concen: 5.848 ng

RT: 11.369 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tgt Ion:178 Resp: 61819

Ion Ratio Lower Upper

178 100

176 17.2 15.4 23.2

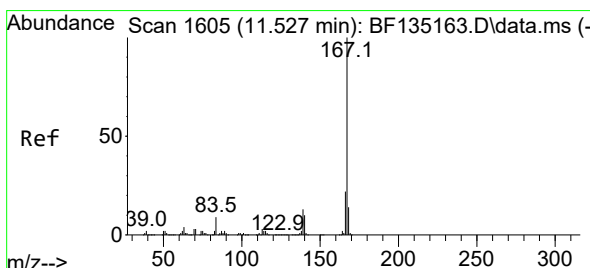
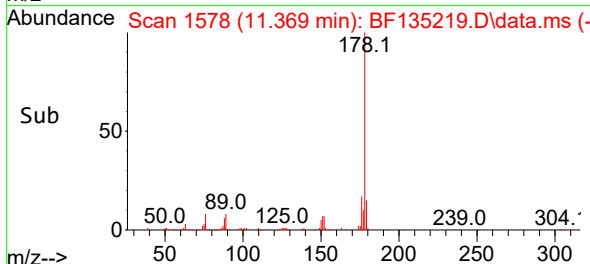
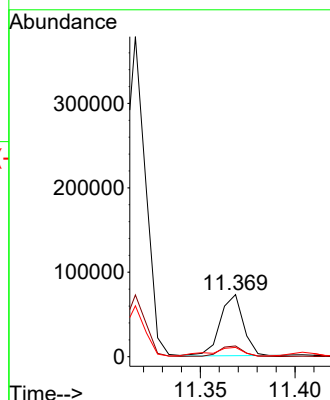
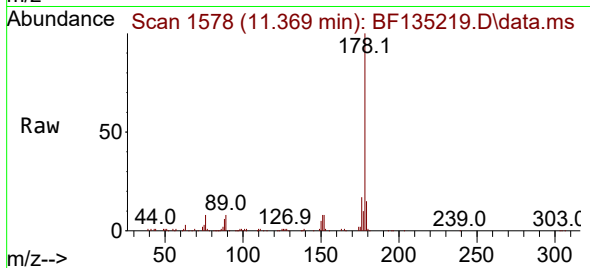
179 15.0 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#73

Carbazole

Concen: 2.501 ng

RT: 11.527 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

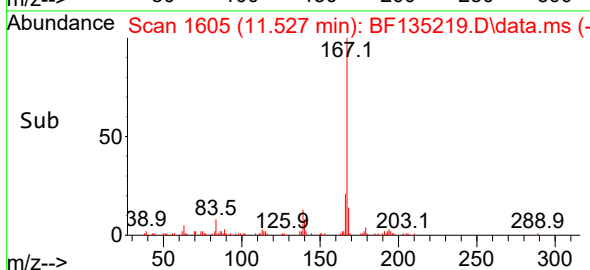
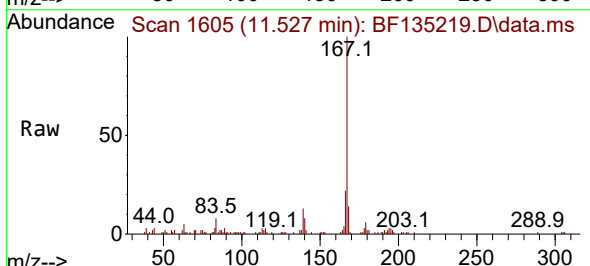
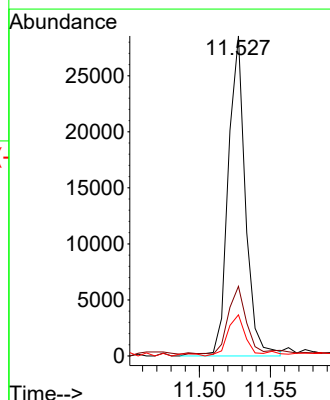
Tgt Ion:167 Resp: 24068

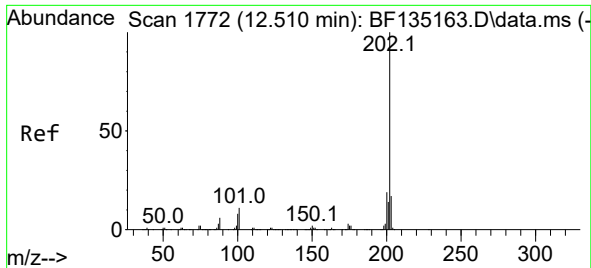
Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

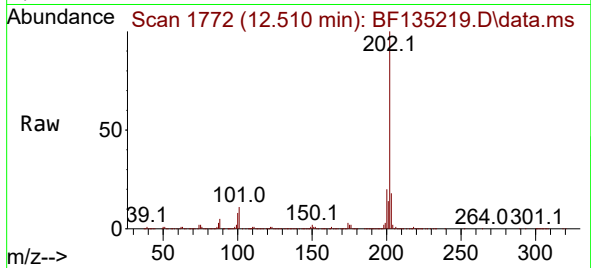
139 12.9 10.6 15.8





#75
Fluoranthene
Concen: 32.862 ng
RT: 12.510 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

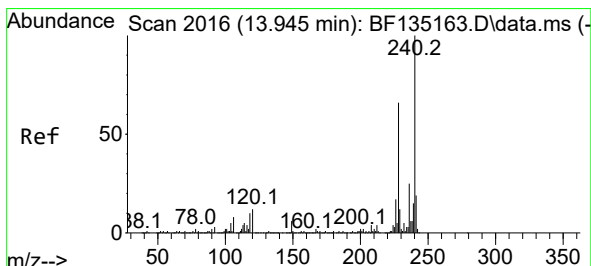
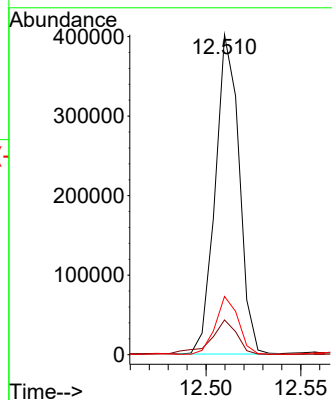
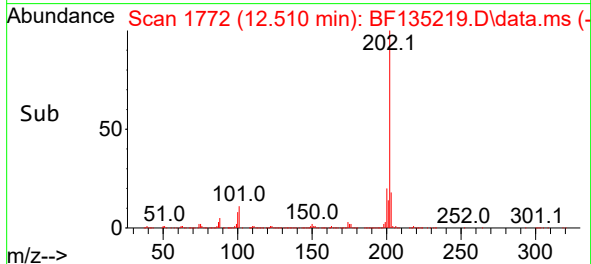
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP



Tgt Ion:202 Resp: 352124
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.3
203 18.2 0.0 37.4

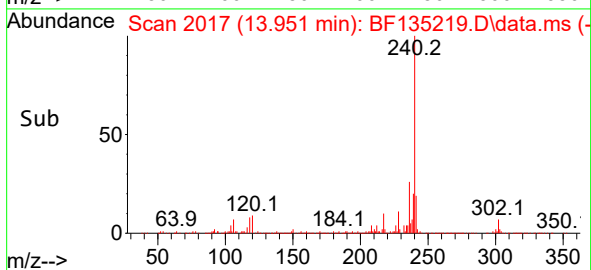
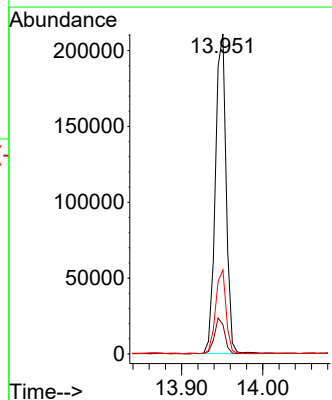
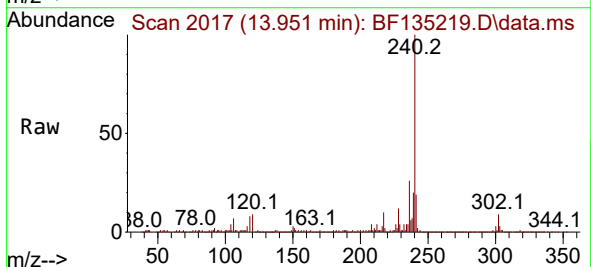
Manual Integrations
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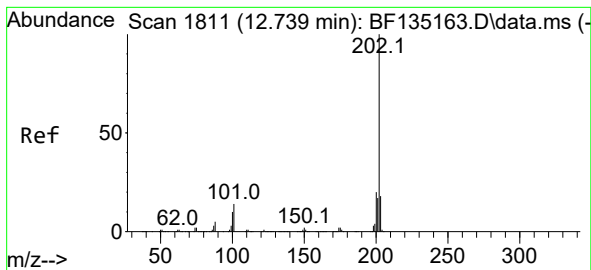
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:240 Resp: 194028
Ion Ratio Lower Upper
240 100
120 9.2 9.4 14.2#
236 26.2 19.8 29.8





#78

Pyrene

Concen: 17.960 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135219.D

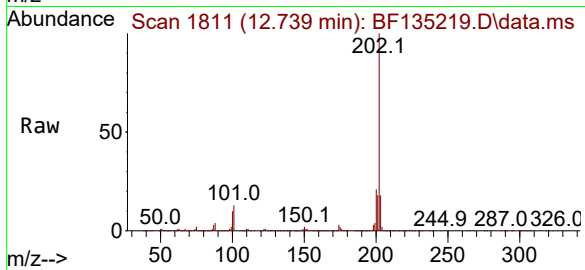
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP



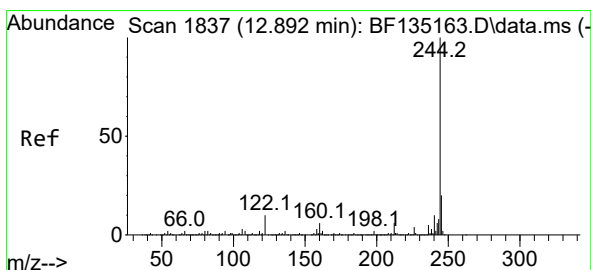
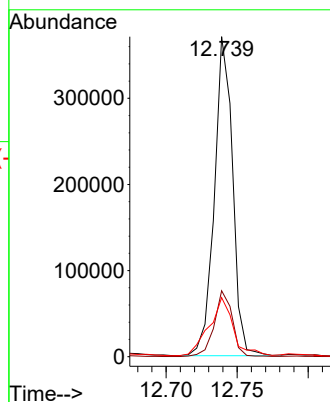
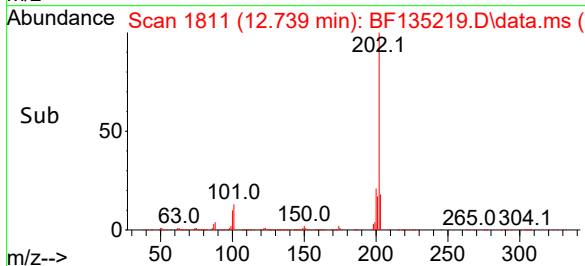
Tgt Ion:	202	Resp:	33177
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.2	24.2
203	18.4	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#79

Terphenyl-d14

Concen: 4.866 ng

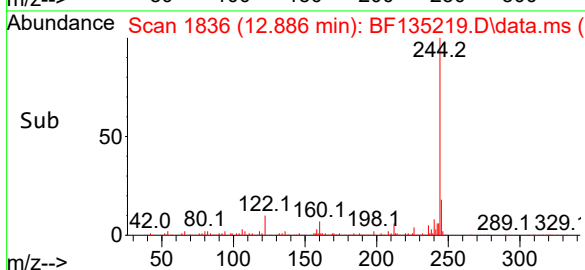
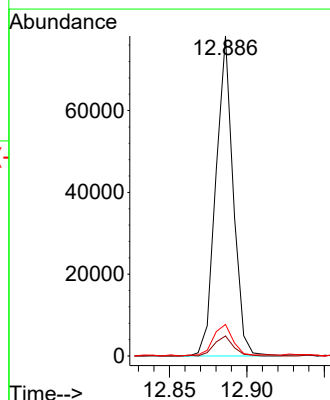
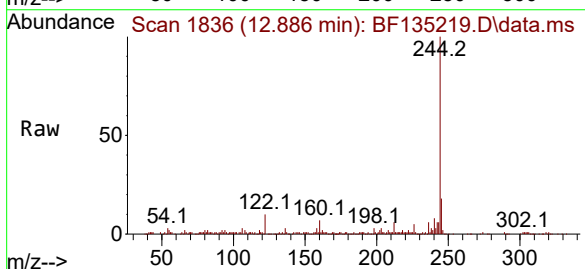
RT: 12.886 min Scan# 1836

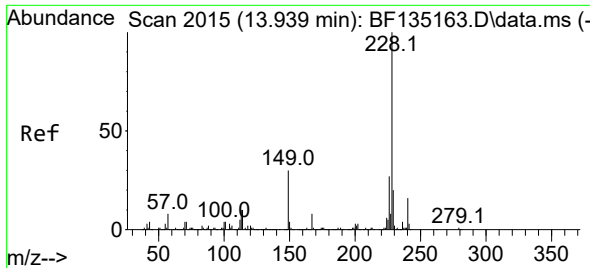
Delta R.T. -0.006 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Tgt Ion:	244	Resp:	60905
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.1	7.7
122	9.9	7.9	11.9





#81
Benzo(a)anthracene
Concen: 13.620 ng
RT: 13.939 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

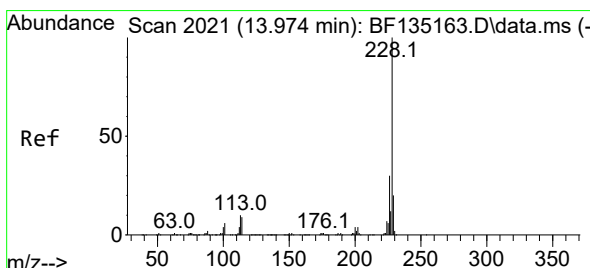
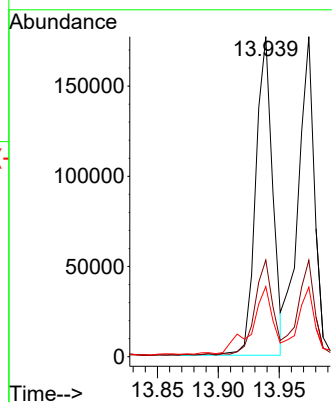
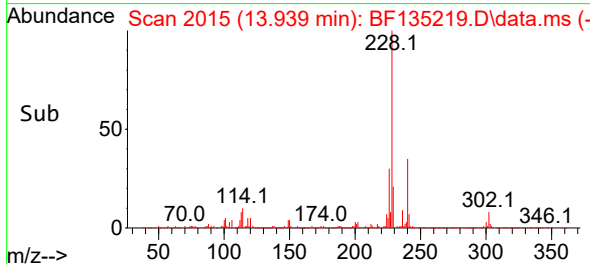
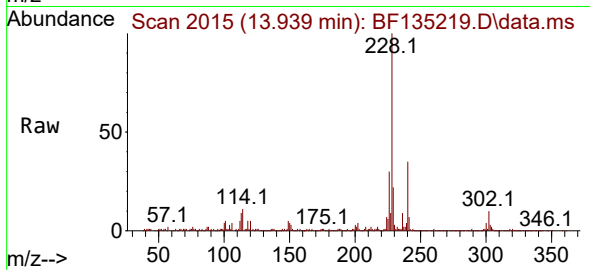
ClientSampleId :

SB-03-COMP

Tgt Ion:228 Resp: 170645
Ion Ratio Lower Upper
228 100
226 30.2 21.7 32.5
229 21.9 15.8 23.8

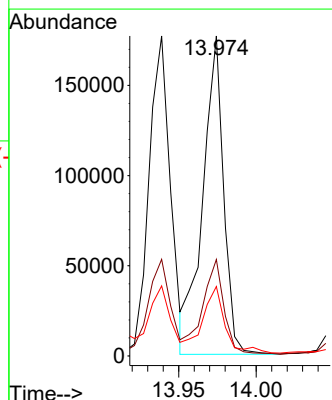
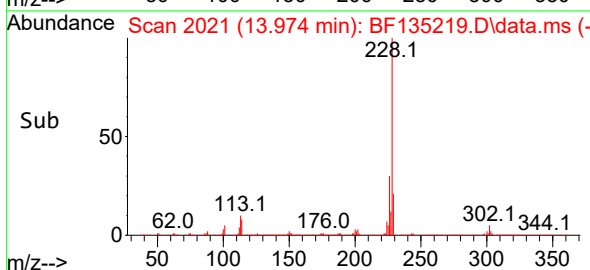
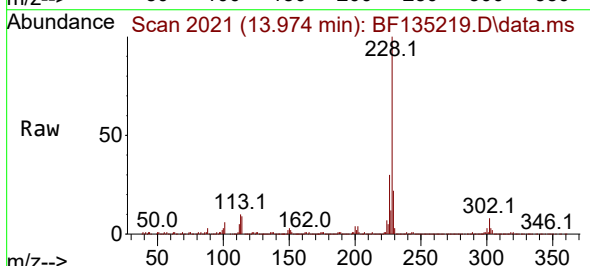
Manual Integrations
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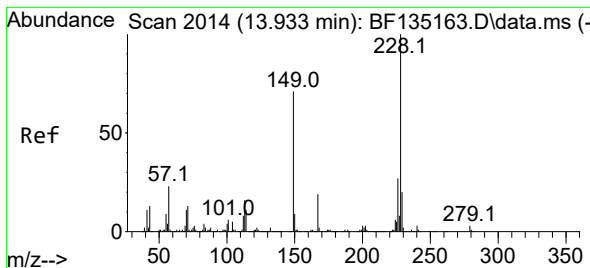
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#83
Chrysene
Concen: 13.273 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:228 Resp: 165340
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.7 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.173 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

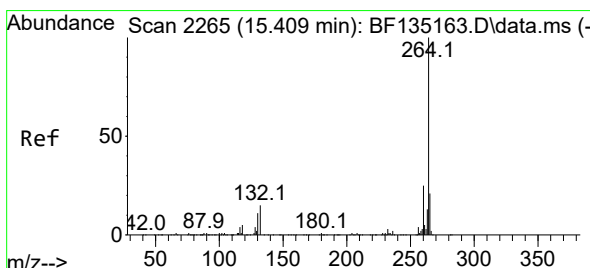
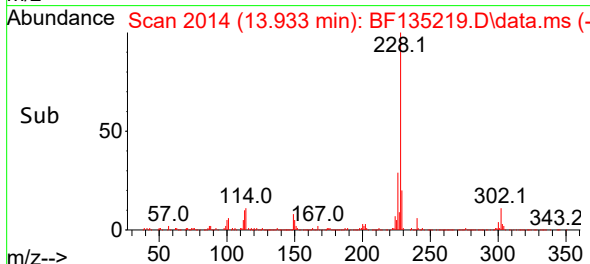
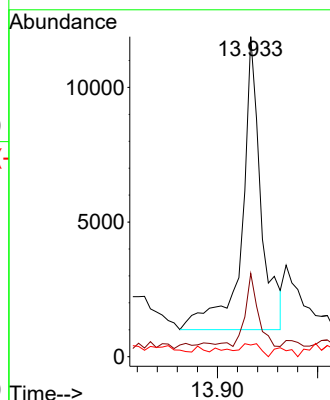
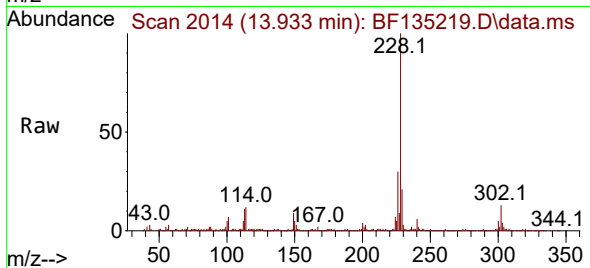
SB-03-COMP

Tgt Ion:149 Resp: 1450
Ion Ratio Lower Upper
149 100
167 26.0 21.9 32.9
279 3.6 3.3 4.9

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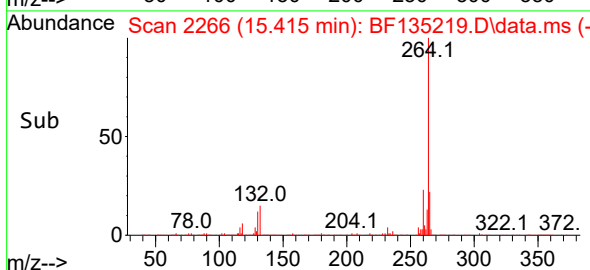
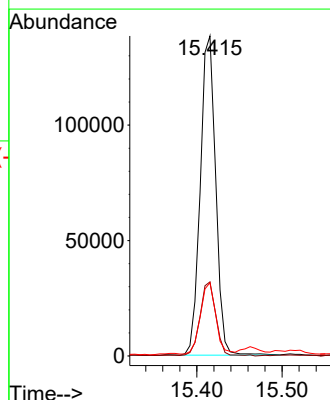
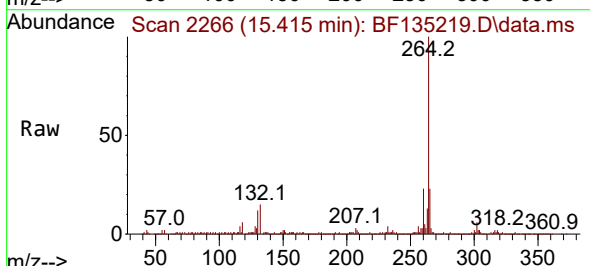
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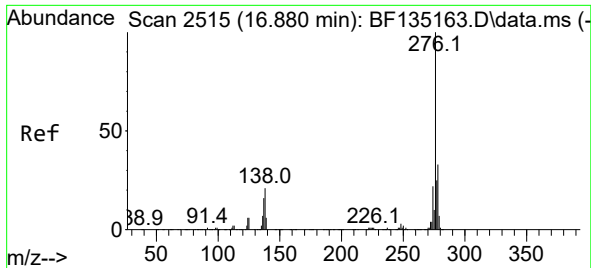
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:264 Resp: 173982
Ion Ratio Lower Upper
264 100
260 23.2 19.8 29.6
265 22.9 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.288 ng
RT: 16.886 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

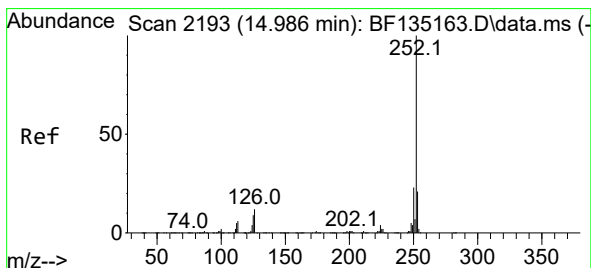
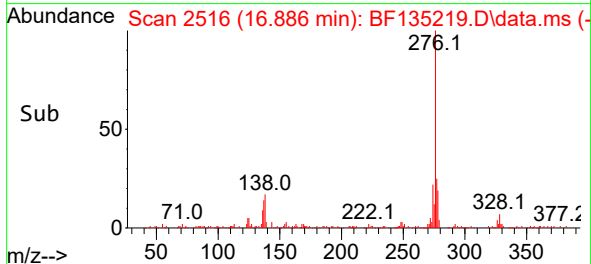
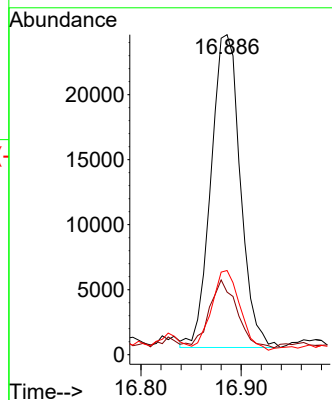
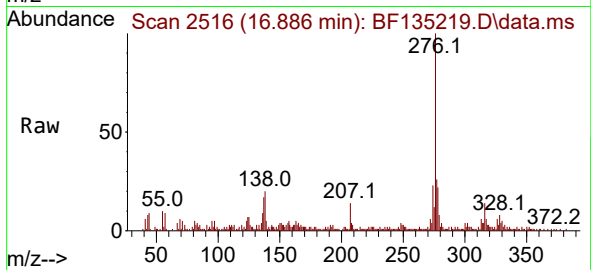
ClientSampleId :

SB-03-COMP

Tgt Ion:276 Resp: 4891
Ion Ratio Lower Upper
276 100
138 20.3 19.2 28.8
277 24.5 19.7 29.5

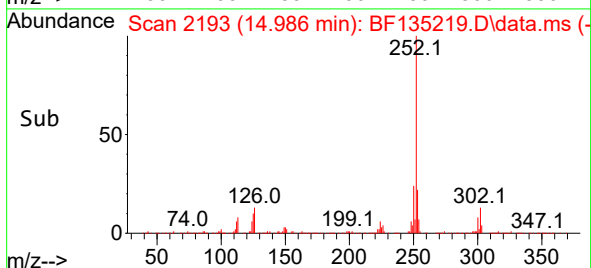
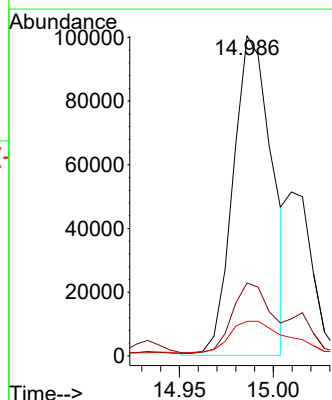
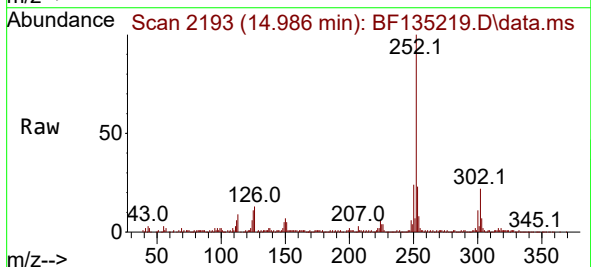
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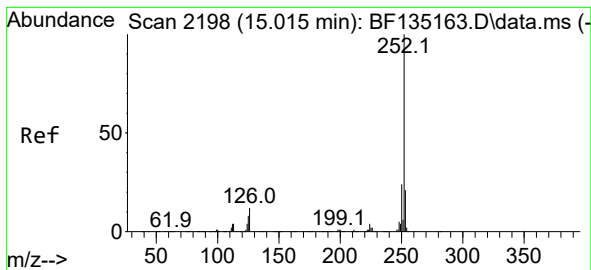
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#88
Benzo(b)fluoranthene
Concen: 15.309 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:252 Resp: 144180
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 10.8 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 5.306 ng m

RT: 15.010 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

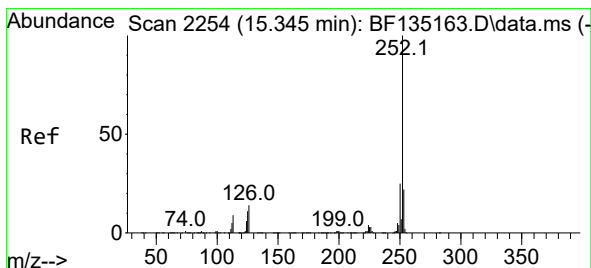
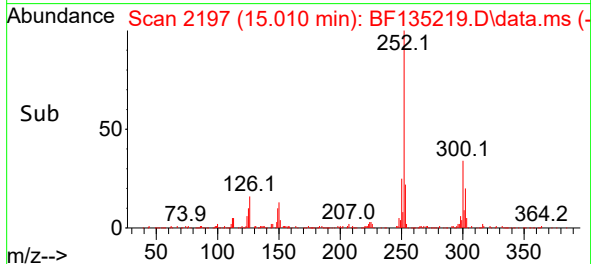
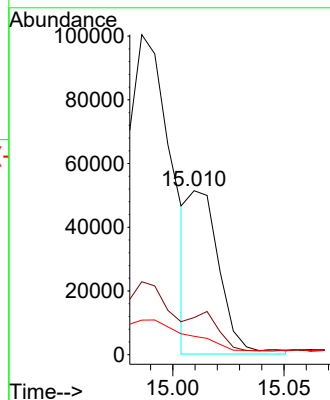
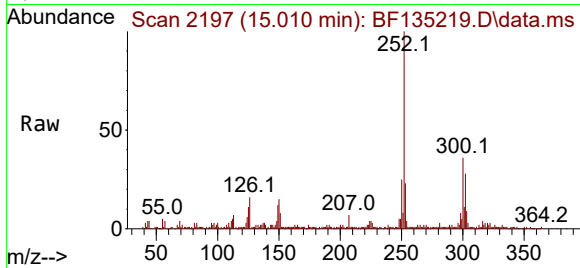
Tgt Ion:	252	Resp:	49362
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	11.2	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#90

Benzo(a)pyrene

Concen: 10.948 ng

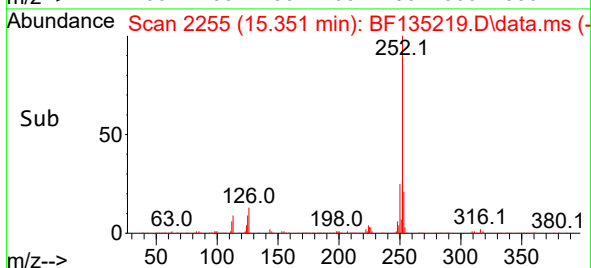
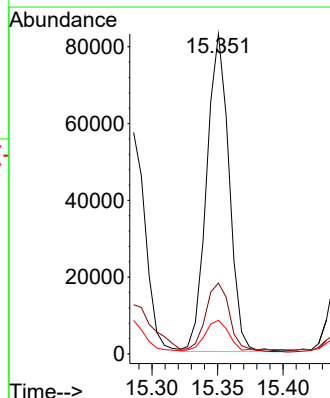
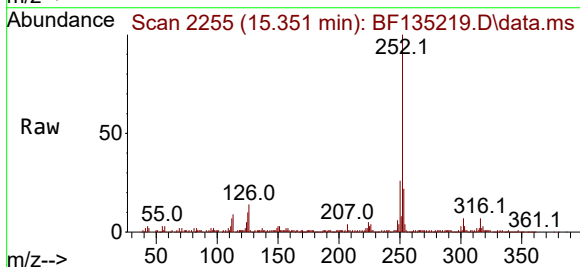
RT: 15.351 min Scan# 2255

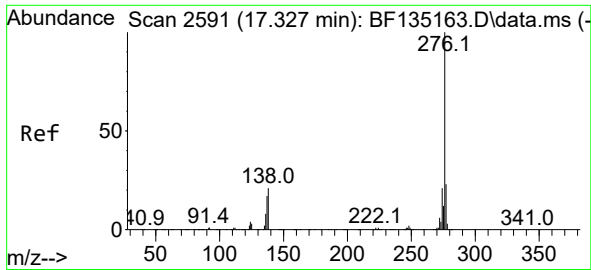
Delta R.T. 0.006 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Tgt Ion:	252	Resp:	98332
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.5	26.3
125	10.5	9.2	13.8





#92

Benzo(g,h,i)perylene

Concen: 4.743 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF135219.D

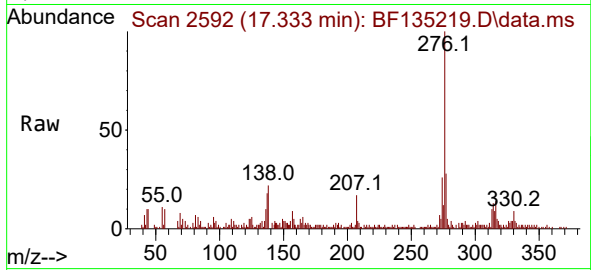
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP



Tgt Ion: 276 Resp: 4623

Ion Ratio Lower Upper

276 100

277 28.0 18.8 28.2

138 21.7 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023

