

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135243.D
 Acq On : 14 Sep 2023 02:14
 Operator : CG\JU
 Sample : 04334-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 359

Manual Integrations
 APPROVED

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

Quant Time: Sep 14 02:55:52 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	98585	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	352639	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	154359	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	230563	20.000	ng	0.00
76) Chrysene-d12	13.945	240	206295	20.000	ng	0.00
86) Perylene-d12	15.415	264	195638	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	676784	111.655	ng	0.00
7) Phenol-d6	6.404	99	792751	102.856	ng	0.00
23) Nitrobenzene-d5	7.328	82	476038	73.341	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	139203	90.748	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	830094	81.134	ng	0.00
79) Terphenyl-d14	12.886	244	687364	51.652	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	228792	20.981	ng	99
72) Anthracene	11.363	178	28542	2.546	ng	97
73) Carbazole	11.522	167	21889	2.145	ng	99
75) Fluoranthene	12.510	202	339837	29.909	ng	99
78) Pyrene	12.739	202	309372	15.751	ng	99
81) Benzo(a)anthracene	13.933	228	148366	11.138	ng	98
83) Chrysene	13.968	228	176333	13.314	ng	98
84) Bis(2-ethylhexyl)phtha...	13.933	149	44773	6.309	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	60122	4.687	ng	97
88) Benzo(b)fluoranthene	14.986	252	182718m	17.253	ng	
89) Benzo(k)fluoranthene	15.010	252	58096m	5.553	ng	
90) Benzo(a)pyrene	15.351	252	109196	10.812	ng	99
92) Benzo(g,h,i)perylene	17.333	276	56452	5.150	ng	99

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

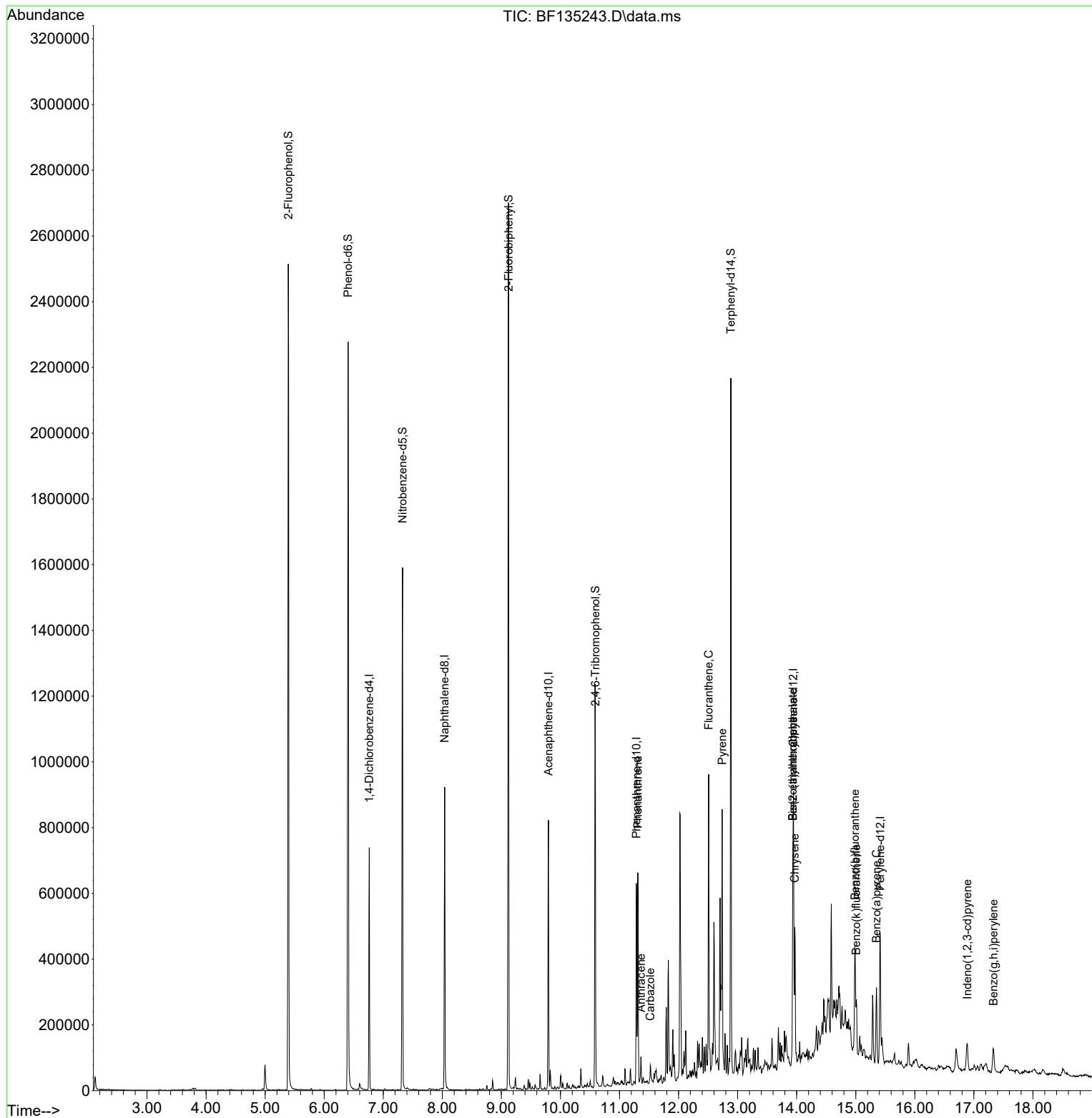
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
Data File : BF135243.D
Acq On : 14 Sep 2023 02:14
Operator : CG\JU
Sample : 04334-02
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ALS Vial : 22 Sample Multiplier: 1

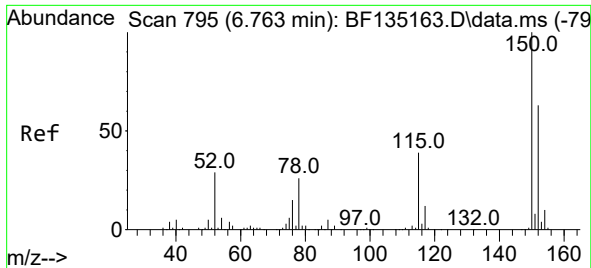
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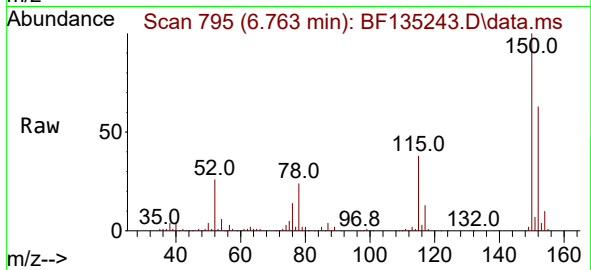
Quant Time: Sep 14 02:55:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

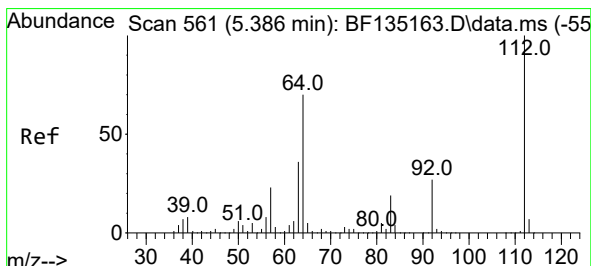
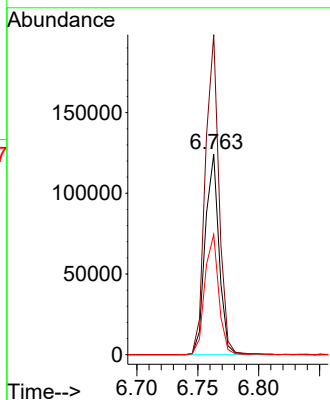
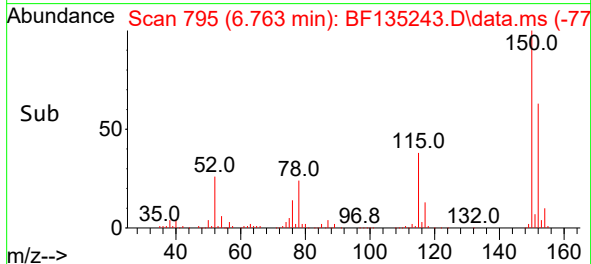
Instrument :
BNA_F
ClientSampleId :
359



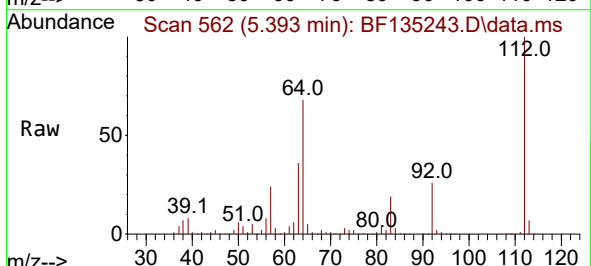
Tgt Ion:152 Resp: 9858
Ion Ratio Lower Upper
152 100
150 159.6 127.8 191.6
115 59.9 49.8 74.8

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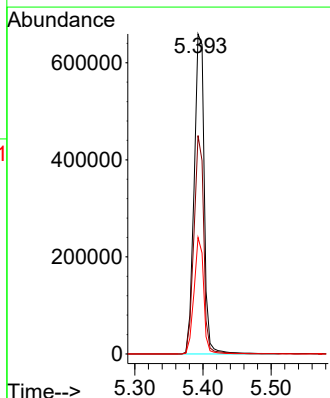
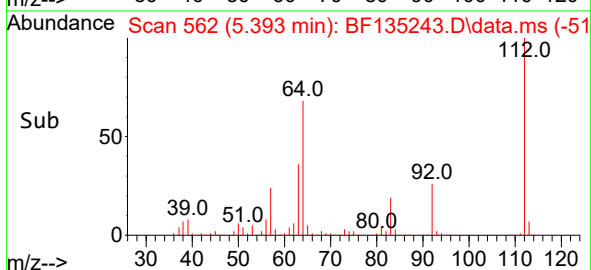
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

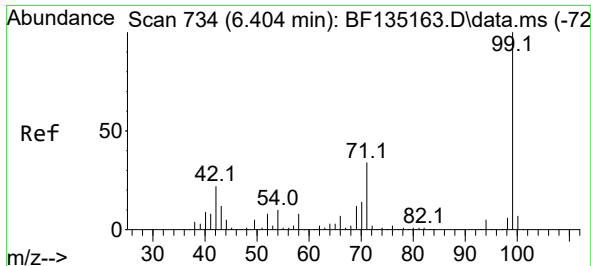


#5
2-Fluorophenol
Concen: 111.655 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14



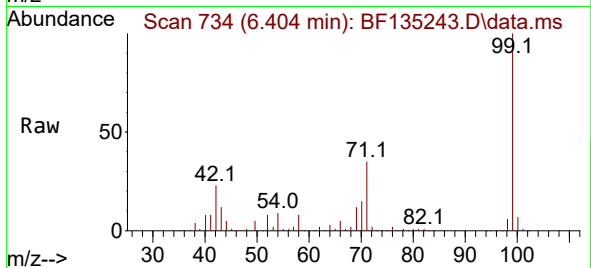
Tgt Ion:112 Resp: 676784
Ion Ratio Lower Upper
112 100
64 68.3 55.9 83.9
63 36.4 29.0 43.6





#7
Phenol-d6
Concen: 102.856 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

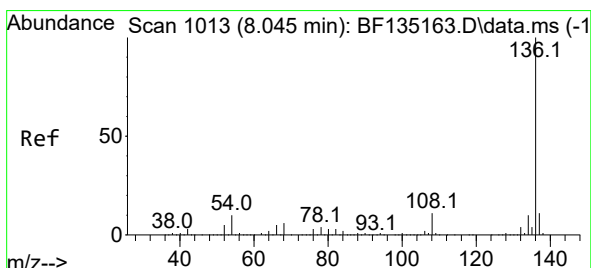
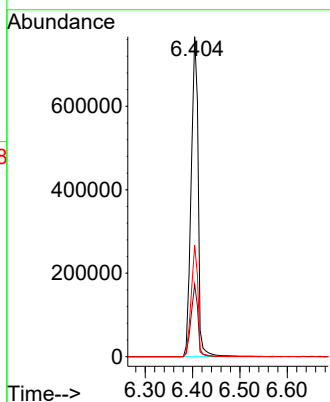
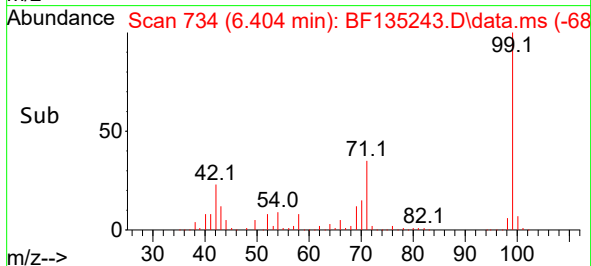
Instrument :
BNA_F
ClientSampleId :
359



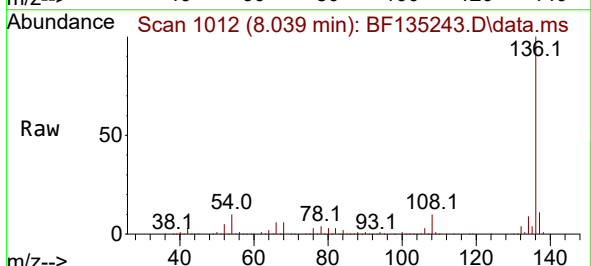
Tgt Ion: 99 Resp: 79275
Ion Ratio Lower Upper
99 100
42 22.6 17.9 26.9
71 34.8 27.0 40.6

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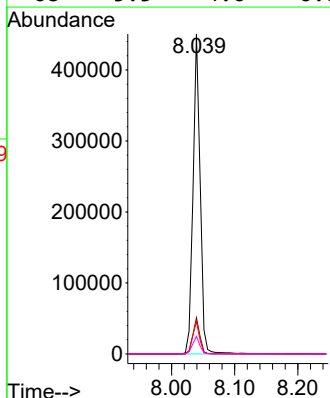
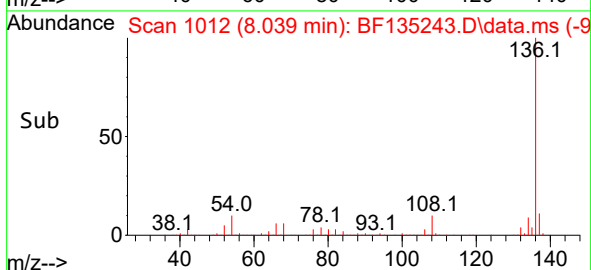
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

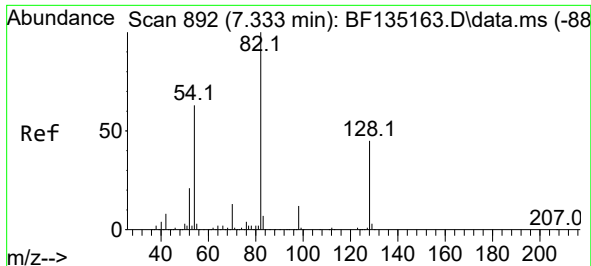


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14



Tgt Ion:136 Resp: 352639
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 10.1 7.7 11.5
68 5.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 73.341 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Instrument :

BNA_F

ClientSampleId :

359

Tgt Ion: 82 Resp: 476038

Ion Ratio Lower Upper

82 100

128 45.7 35.8 53.6

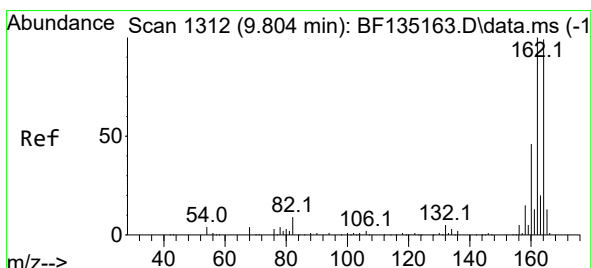
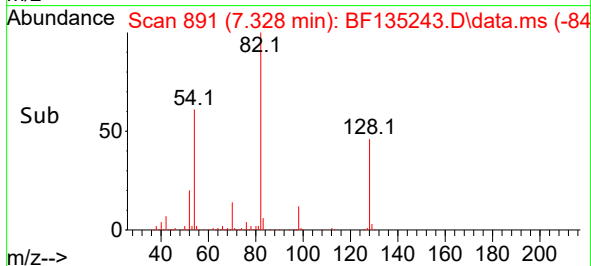
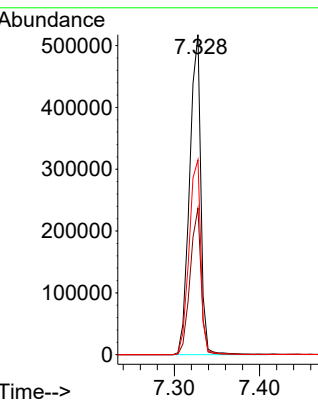
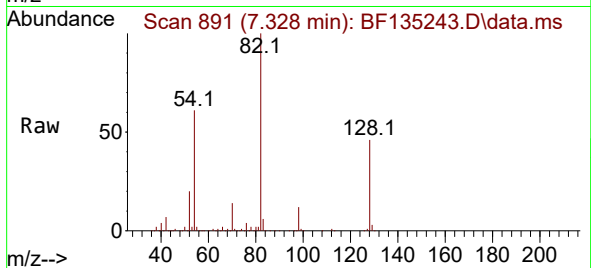
54 60.9 50.6 76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

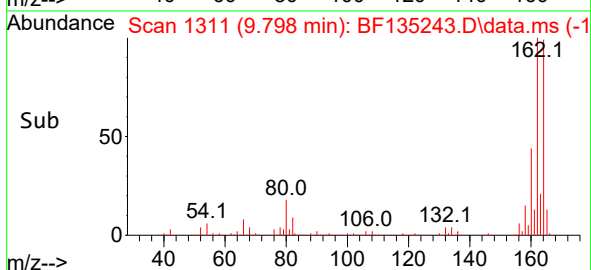
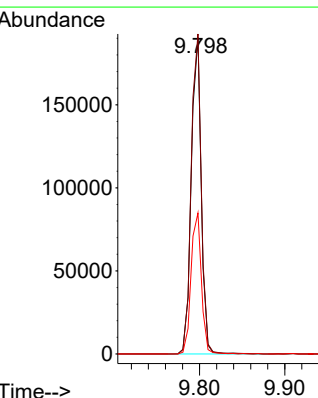
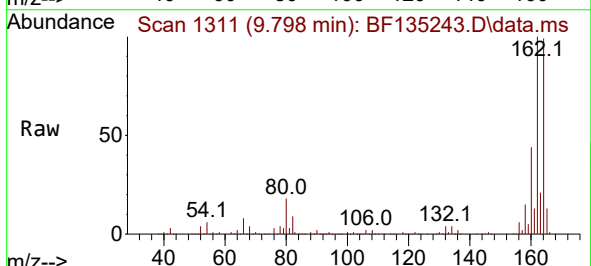
Tgt Ion:164 Resp: 154359

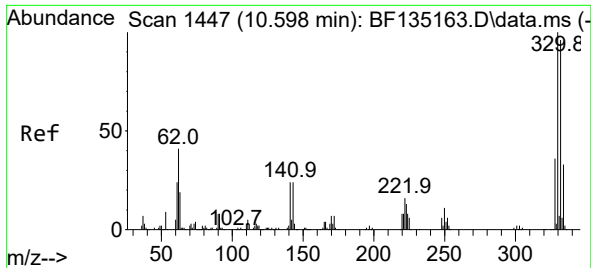
Ion Ratio Lower Upper

164 100

162 101.1 81.0 121.4

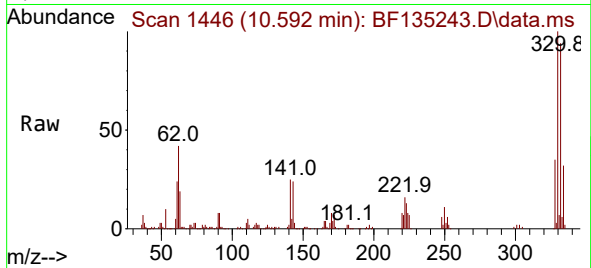
160 44.5 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 90.748 ng
RT: 10.592 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

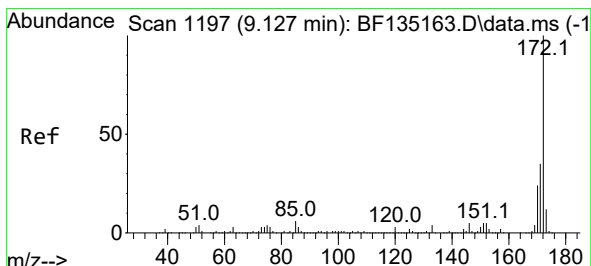
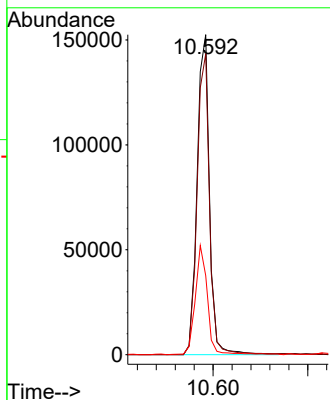
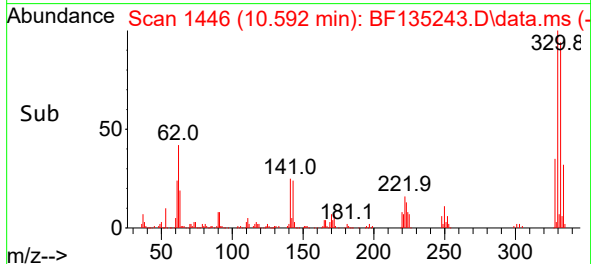
Instrument :
BNA_F
ClientSampleId :
359



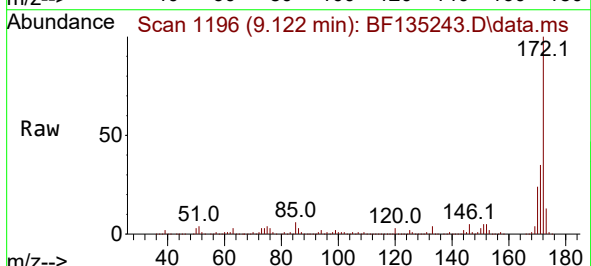
Tgt Ion: 330 Resp: 139200
Ion Ratio Lower Upper
330 100
332 94.2 77.3 115.9
141 33.5 25.8 38.8

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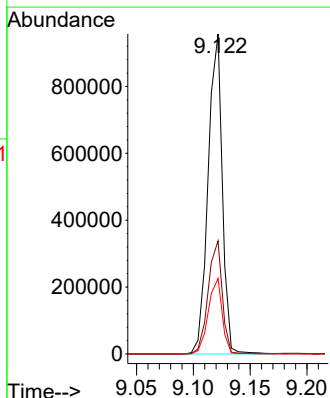
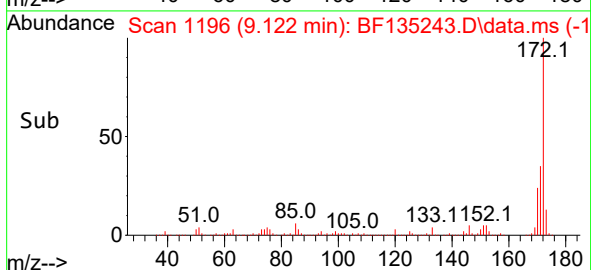
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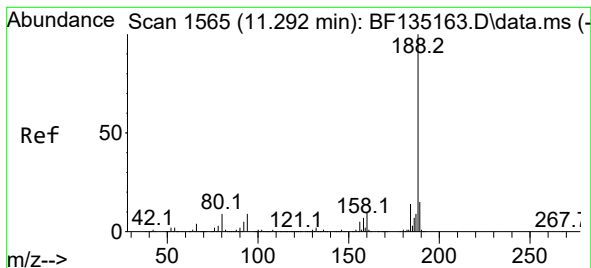


#45
2-Fluorobiphenyl
Concen: 81.134 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14



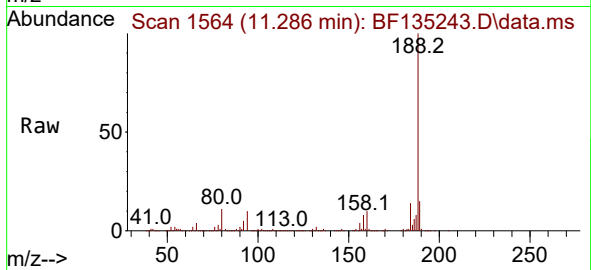
Tgt Ion: 172 Resp: 830094
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.6 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

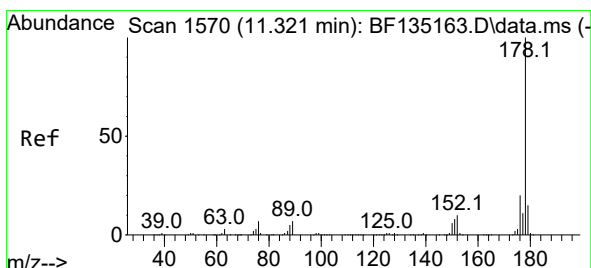
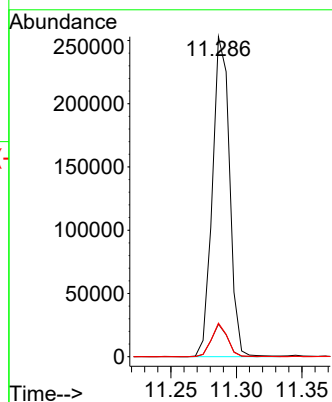
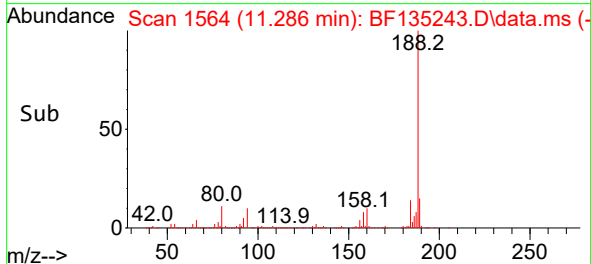
Instrument :
BNA_F
ClientSampleId :
359



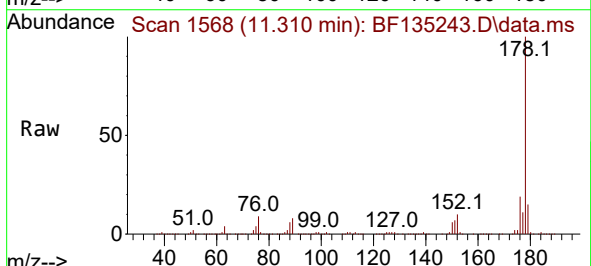
Tgt Ion:188 Resp: 230561
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.5 7.5 11.3

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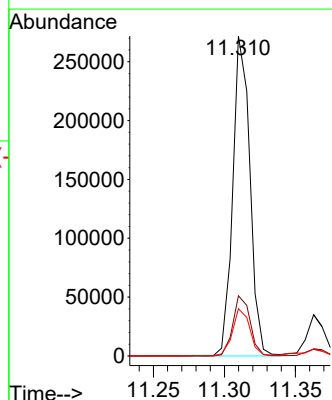
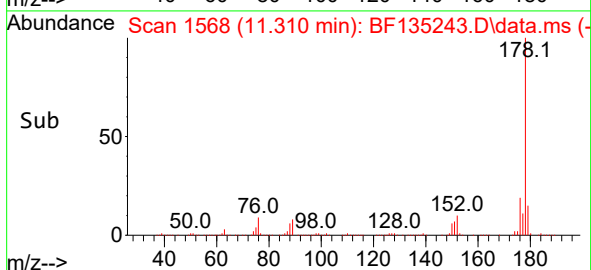
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

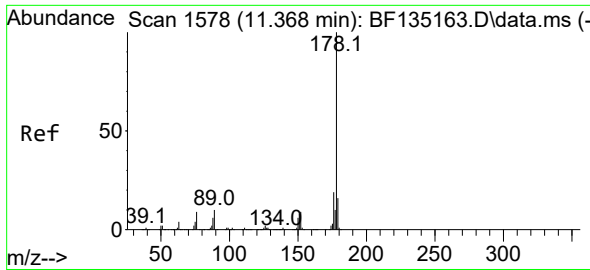


#71
Phenanthrene
Concen: 20.981 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14



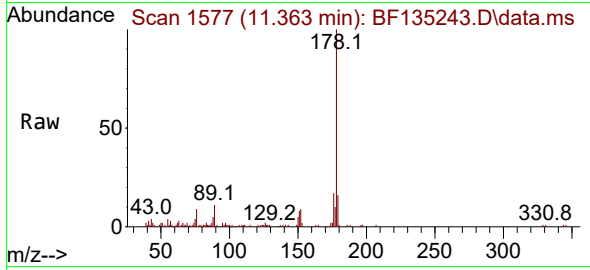
Tgt Ion:178 Resp: 228792
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 14.8 12.0 18.0





#72
 Anthracene
 Concen: 2.546 ng
 RT: 11.363 min Scan# 11359
 Delta R.T. -0.006 min
 Lab File: BF135243.D
 Acq: 14 Sep 2023 02:14

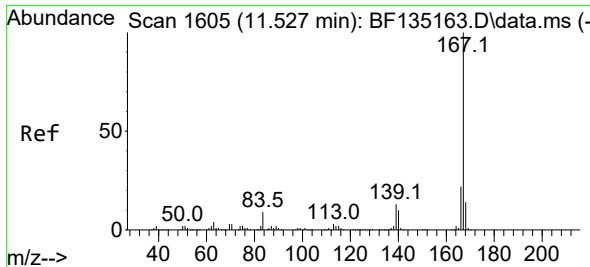
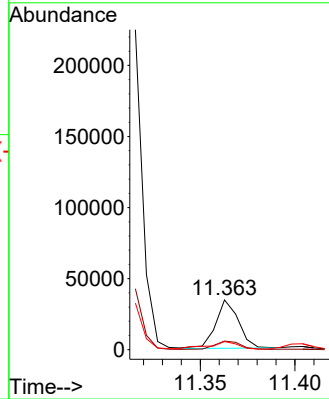
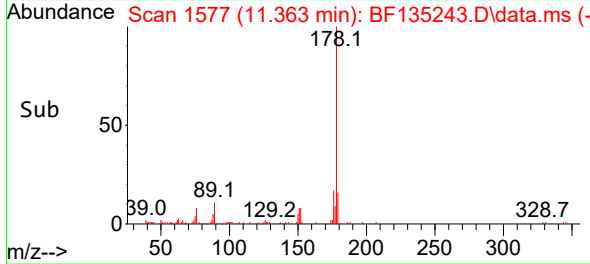
Instrument :
 BNA_F
 ClientSampleId :
 359



Tgt Ion:178 Resp: 2854
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.4 23.2
 179 16.3 12.6 19.0

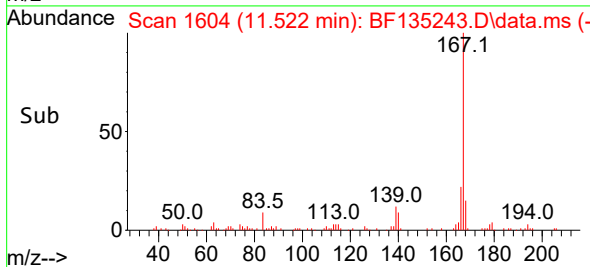
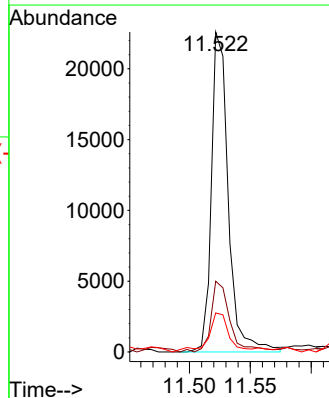
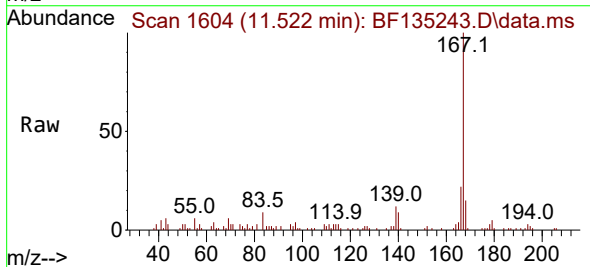
Manual Integrations
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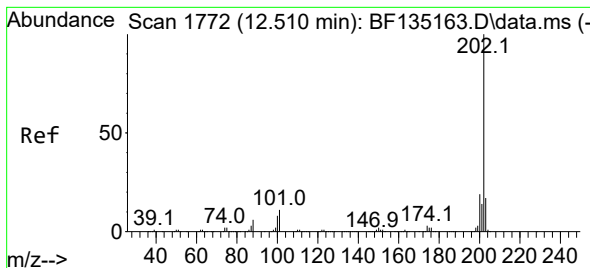
Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023



#73
 Carbazole
 Concen: 2.145 ng
 RT: 11.522 min Scan# 1604
 Delta R.T. -0.006 min
 Lab File: BF135243.D
 Acq: 14 Sep 2023 02:14

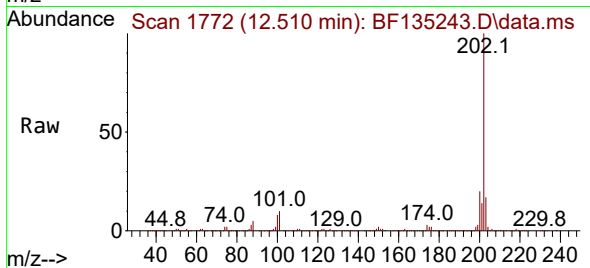
Tgt Ion:167 Resp: 21889
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 12.2 10.6 15.8





#75
Fluoranthene
Concen: 29.909 ng
RT: 12.510 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

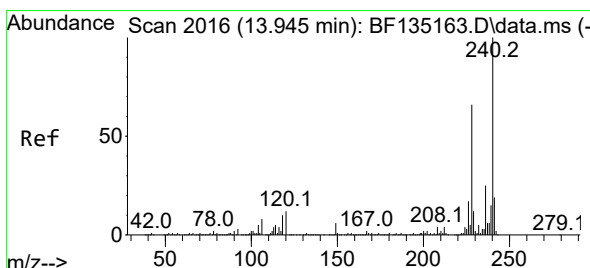
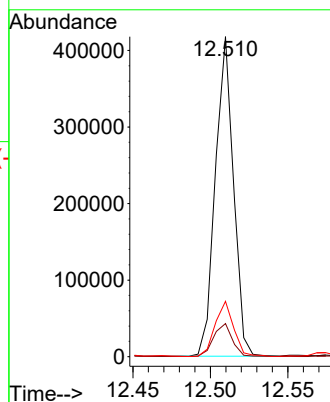
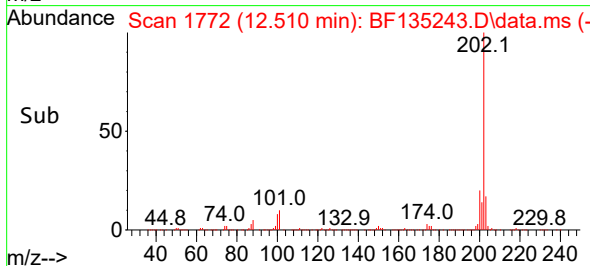
Instrument :
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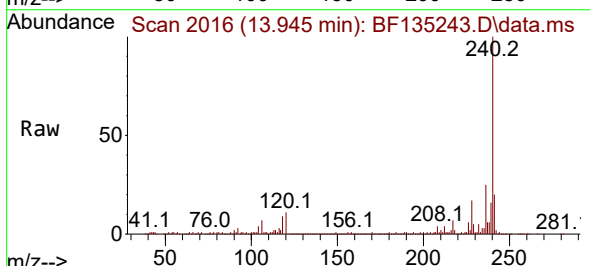
Tgt Ion:202 Resp: 33983
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.3
203 17.3 0.0 37.4

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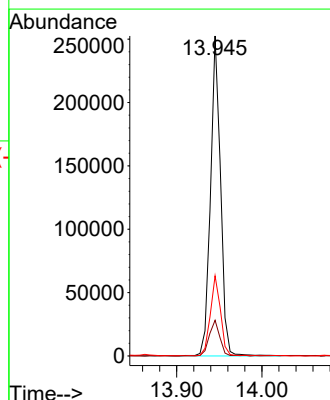
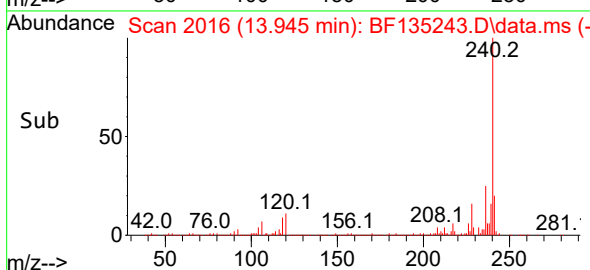
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

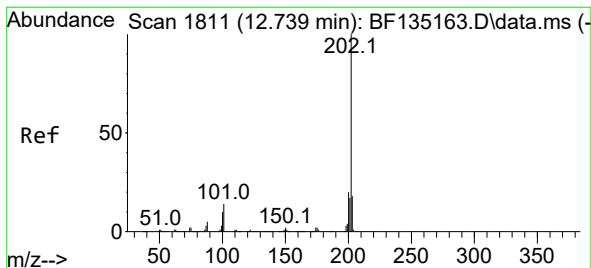


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14



Tgt Ion:240 Resp: 206295
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 25.1 19.8 29.8





#78

Pyrene

Concen: 15.751 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Instrument :

BNA_F

ClientSampleId :

359

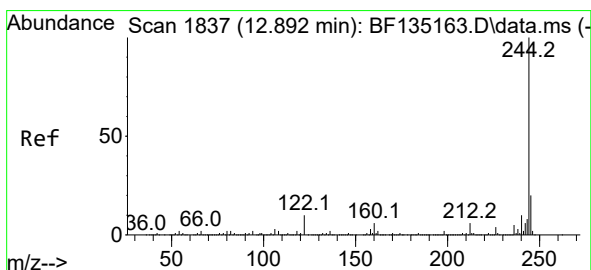
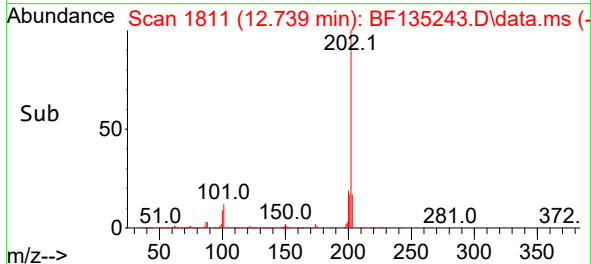
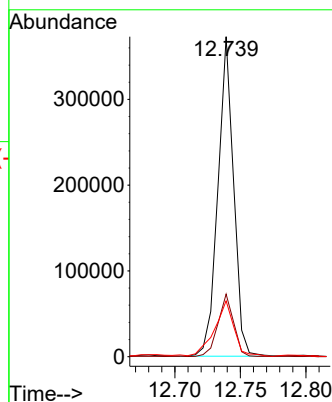
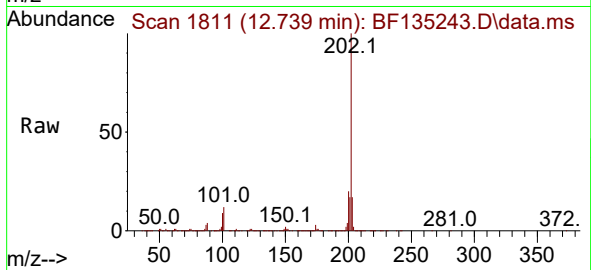
Tgt Ion:202 Resp: 309372
 Ion Ratio Lower Upper
 202 100
 200 19.5 16.2 24.2
 203 17.5 14.2 21.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#79

Terphenyl-d14

Concen: 51.652 ng

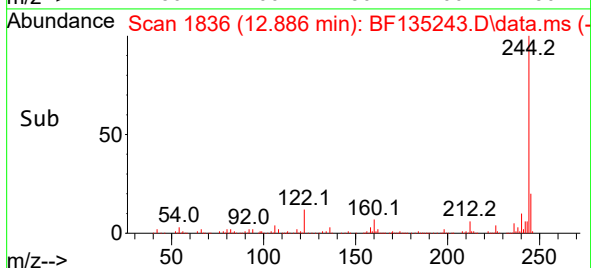
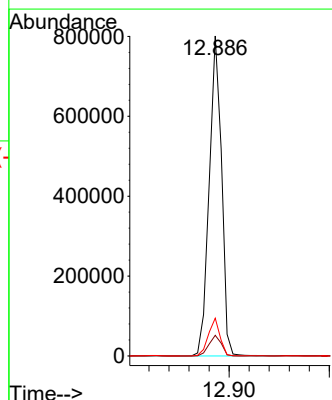
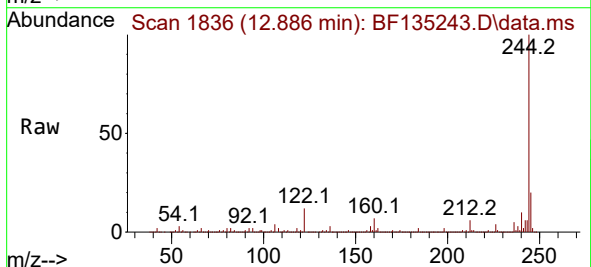
RT: 12.886 min Scan# 1836

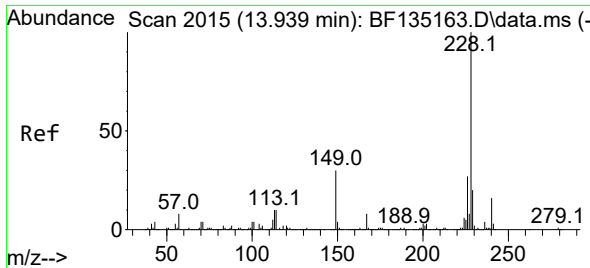
Delta R.T. -0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

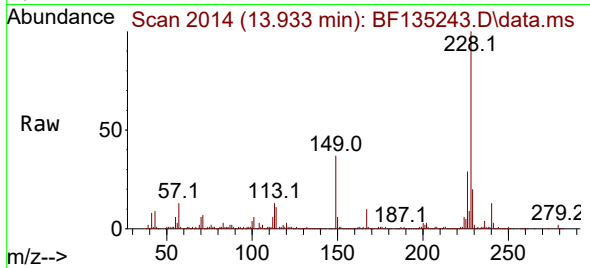
Tgt Ion:244 Resp: 687364
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 11.8 7.9 11.9





#81
Benzo(a)anthracene
Concen: 11.138 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

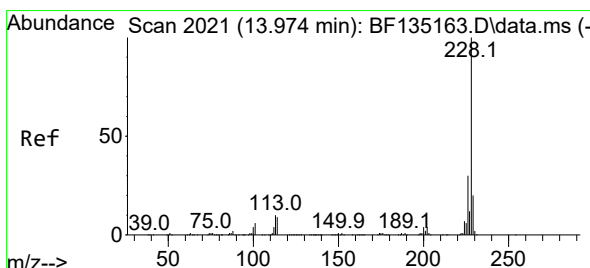
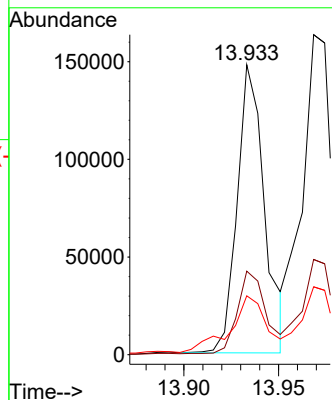
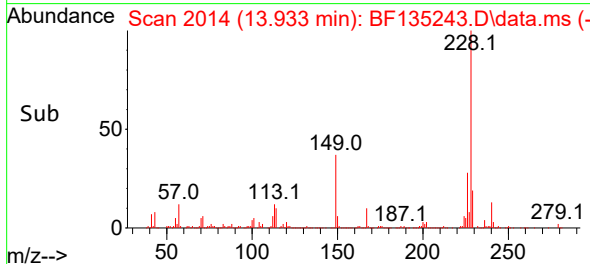
Instrument :
BNA_F
ClientSampleId :
359



Tgt Ion:228 Resp: 148360
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 20.3 15.8 23.8

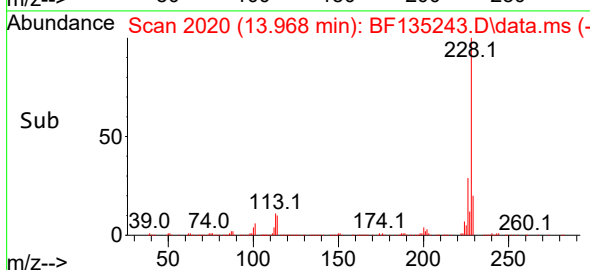
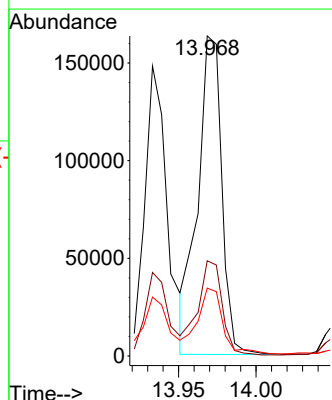
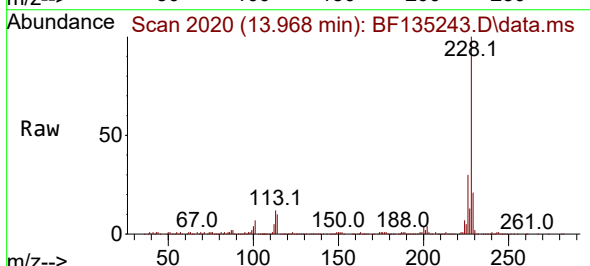
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APPROVED

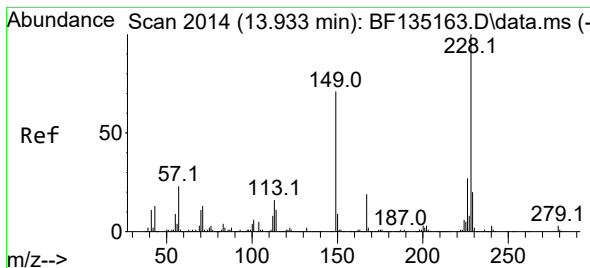
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#83
Chrysene
Concen: 13.314 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

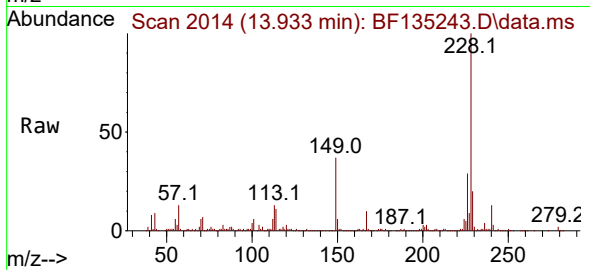
Tgt Ion:228 Resp: 176333
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 21.2 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.309 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

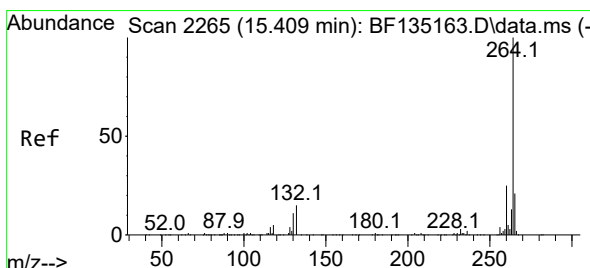
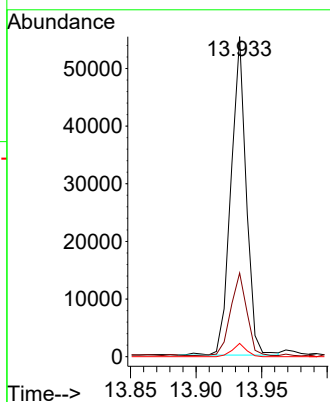
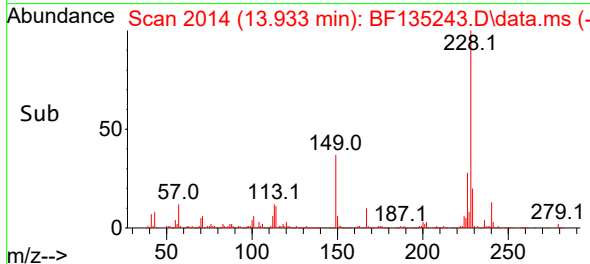
Instrument :
BNA_F
ClientSampleId :
359



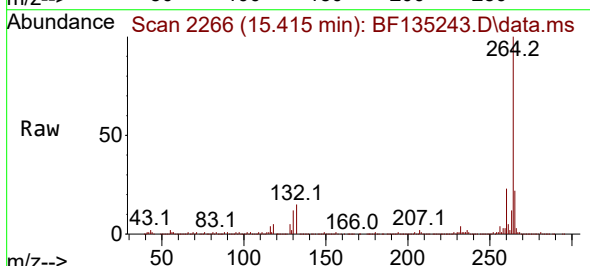
Tgt Ion:149 Resp: 4477
Ion Ratio Lower Upper
149 100
167 26.2 21.9 32.9
279 4.2 3.3 4.9

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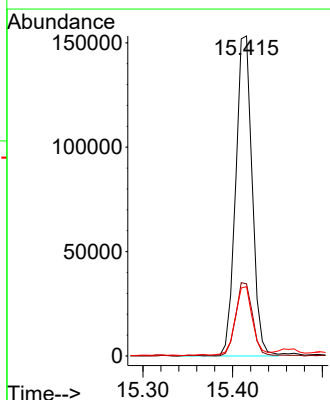
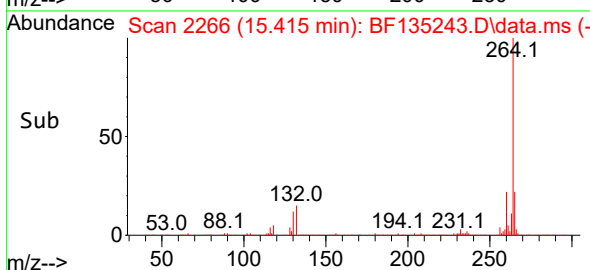
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

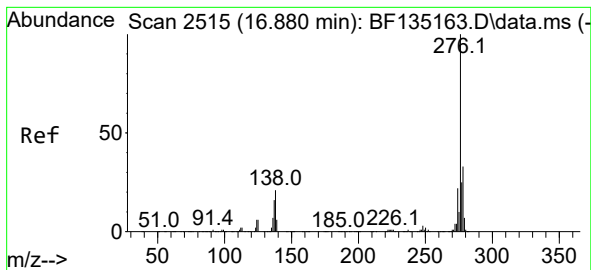


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14



Tgt Ion:264 Resp: 195638
Ion Ratio Lower Upper
264 100
260 22.6 19.8 29.6
265 21.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.687 ng

RT: 16.886 min Scan# 2515

Delta R.T. 0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Instrument :

BNA_F

ClientSampleId :

359

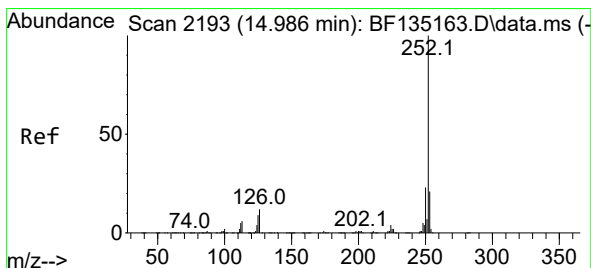
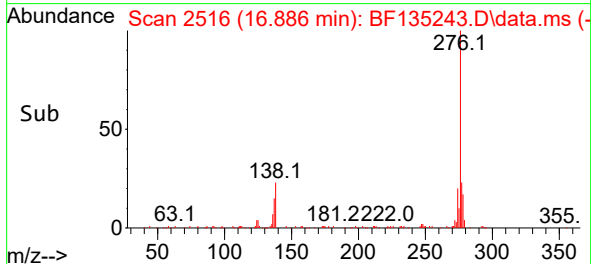
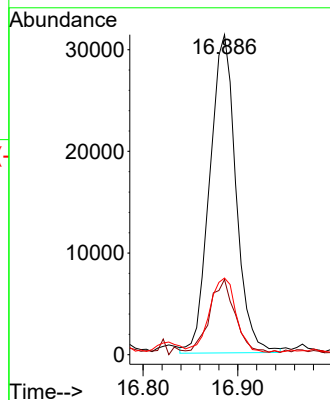
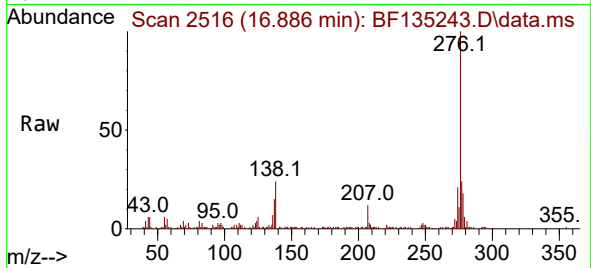
Tgt Ion:276 Resp: 6012
 Ion Ratio Lower Upper
 276 100
 138 22.2 19.2 28.8
 277 23.5 19.7 29.5

Manual Integrations

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Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#88

Benzo(b)fluoranthene

Concen: 17.253 ng m

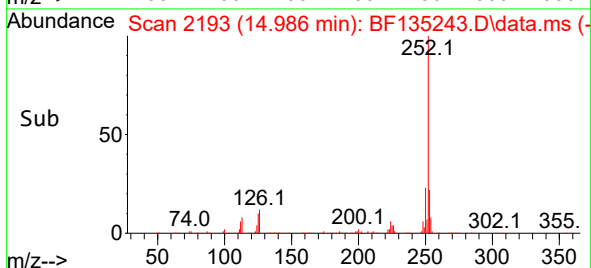
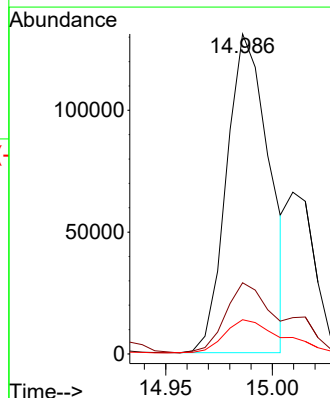
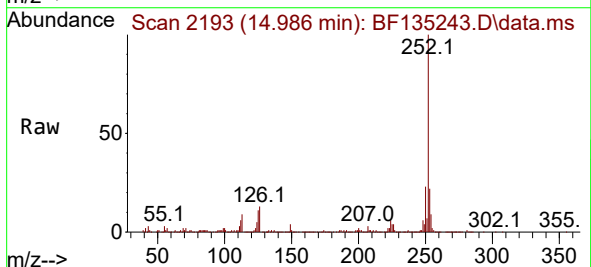
RT: 14.986 min Scan# 2193

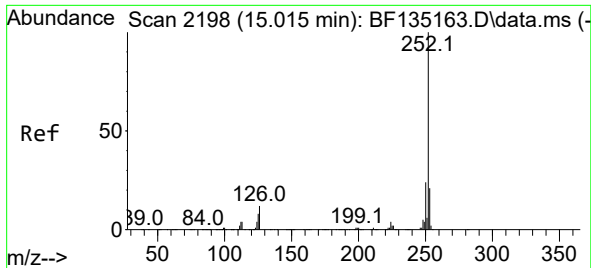
Delta R.T. 0.000 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Tgt Ion:252 Resp: 182718
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.2 25.8
 125 10.7 7.1 10.7#





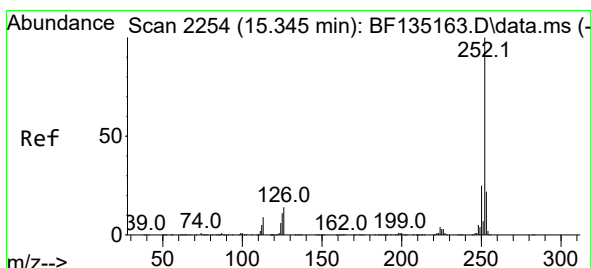
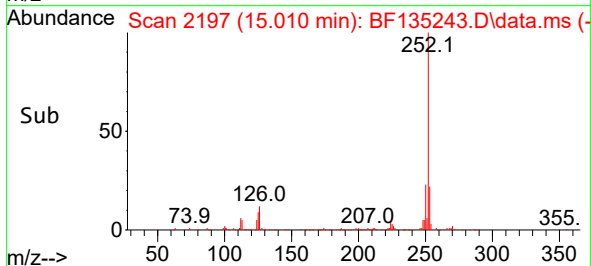
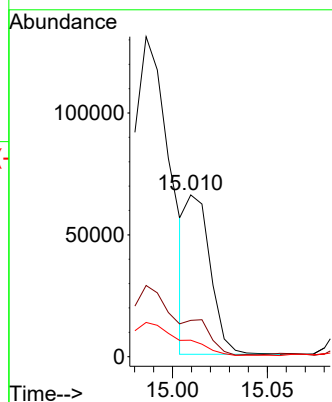
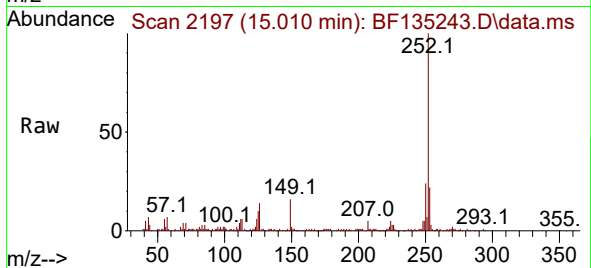
#89
Benzo(k)fluoranthene
Concen: 5.553 ng m
RT: 15.010 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

Instrument :
BNA_F
ClientSampleId :
359

Tgt Ion:252 Resp: 58090
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.2 7.2 10.8

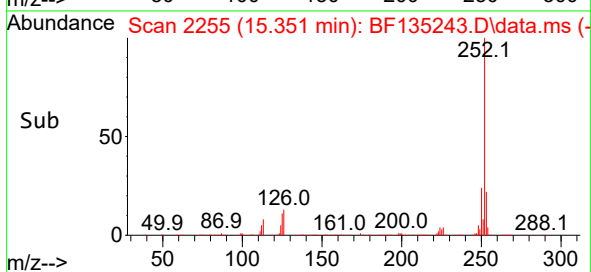
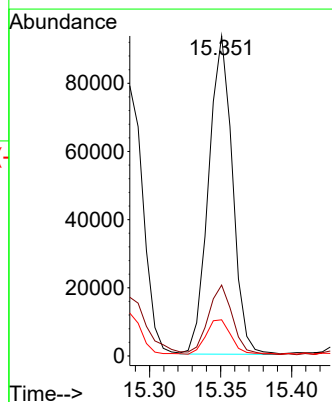
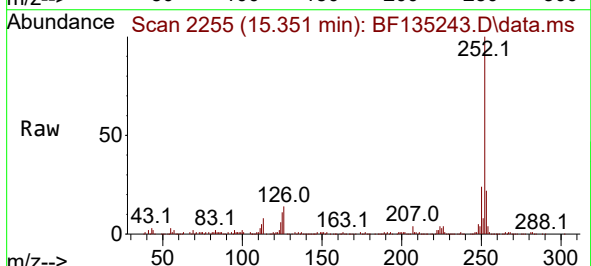
Manual Integrations
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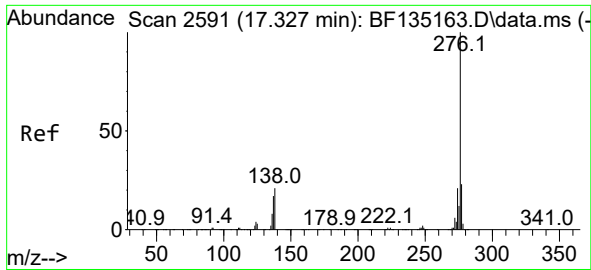
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#90
Benzo(a)pyrene
Concen: 10.812 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF135243.D
Acq: 14 Sep 2023 02:14

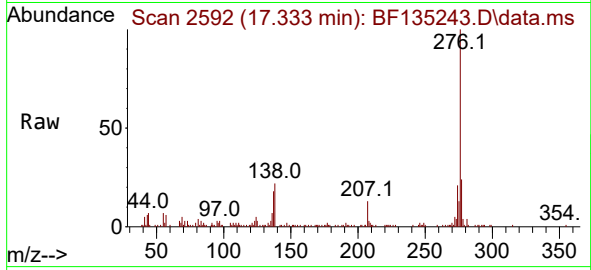
Tgt Ion:252 Resp: 109196
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.3 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.150 ng
 RT: 17.333 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135243.D
 Acq: 14 Sep 2023 02:14

Instrument :
 BNA_F
 ClientSampleId :
 359



Tgt Ion:	276	Resp:	5645
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.8	28.2
138	21.6	16.9	25.3

Manual Integrations
 APPROVED

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

