

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136772.D
 Acq On : 27 Dec 2023 22:32
 Operator : CG\JU
 Sample : 05827-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-09-10.5-11.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023

Quant Time: Dec 27 23:08:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	67896	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	262211	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	134160	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	236482	20.000	ng	0.00
76) Chrysene-d12	13.962	240	131309	20.000	ng	0.00
86) Perylene-d12	15.445	264	151618	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	384036	88.253	ng	0.00
7) Phenol-d6	6.428	99	505725	89.691	ng	-0.01
23) Nitrobenzene-d5	7.345	82	322168	62.872	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	87521	55.392	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	622155	62.372	ng	-0.01
79) Terphenyl-d14	12.904	244	490668	52.220	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	225325	18.570	ng	98
72) Anthracene	11.380	178	26003	2.116	ng	97
73) Carbazole	11.539	167	34181	2.950	ng	98
75) Fluoranthene	12.527	202	462703	35.649	ng	97
78) Pyrene	12.757	202	363874	28.229	ng	99
81) Benzo(a)anthracene	13.951	228	212508	23.307	ng	96
83) Chrysene	13.992	228	193020	21.648	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	87035	7.951	ng	97
88) Benzo(b)fluoranthene	15.009	252	237504m	23.453	ng	
89) Benzo(k)fluoranthene	15.039	252	87468m	9.141	ng	
90) Benzo(a)pyrene	15.380	252	121228	14.182	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	27513m	3.063	ng	
92) Benzo(g,h,i)perylene	17.392	276	67127	7.298	ng	98

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

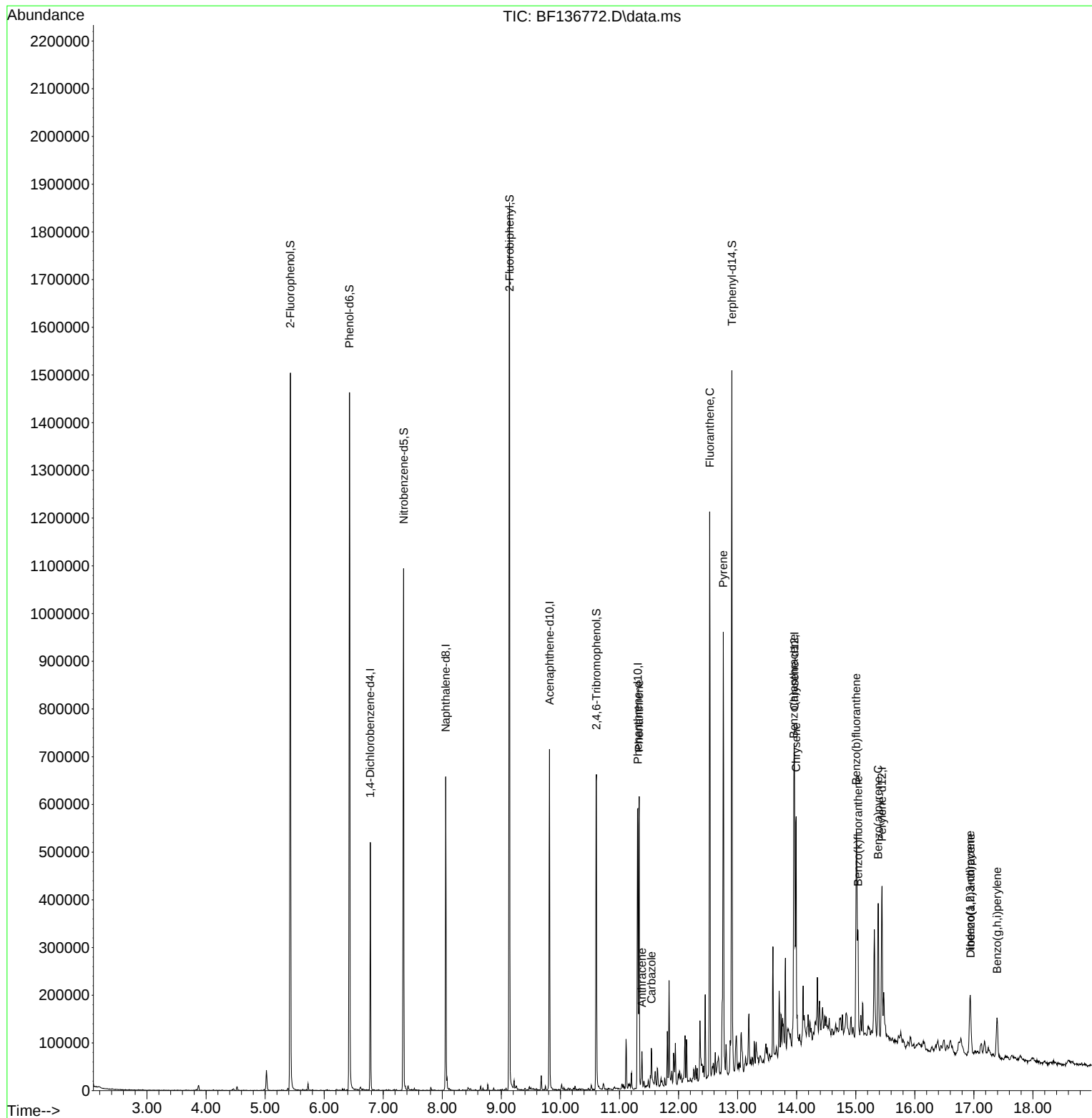
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

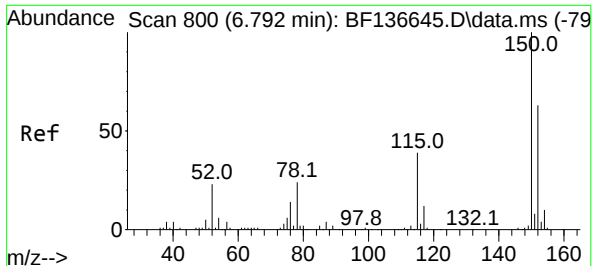
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

Quant Time: Dec 27 23:08:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
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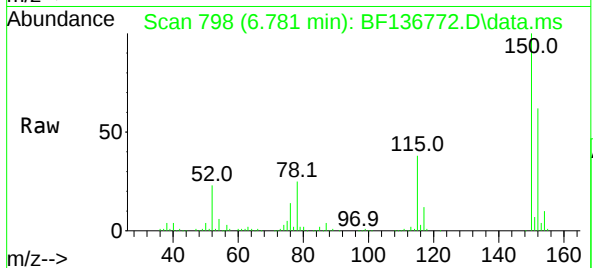
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

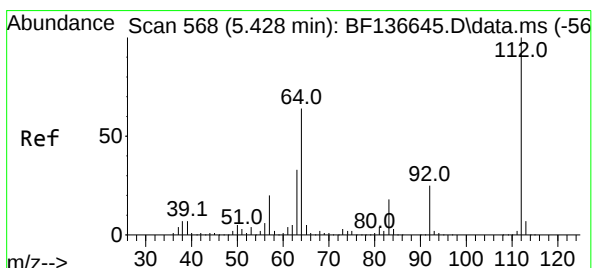
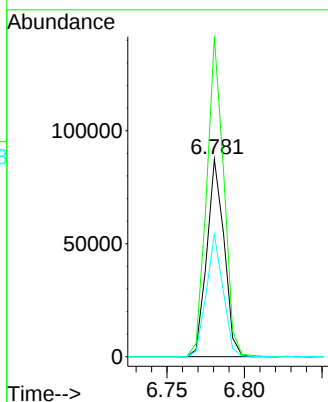
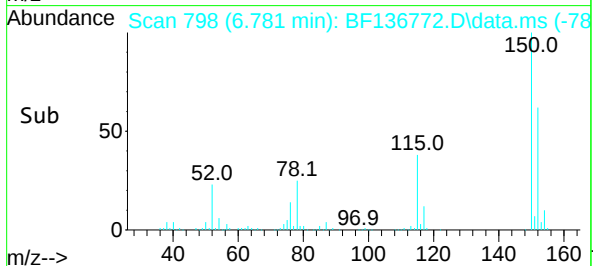
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion:152 Resp: 67890
Ion Ratio Lower Upper
152 100
150 162.1 127.0 190.6
115 61.9 49.0 73.4

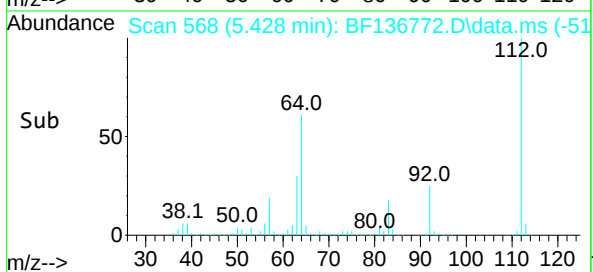
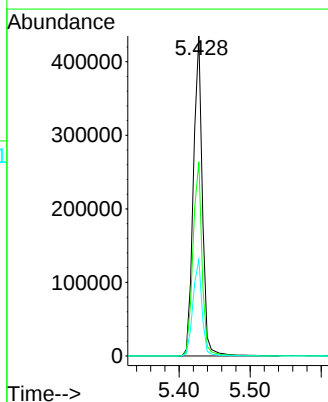
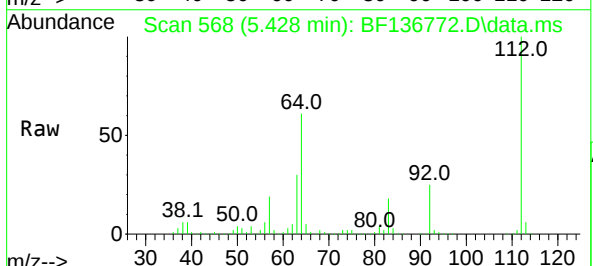
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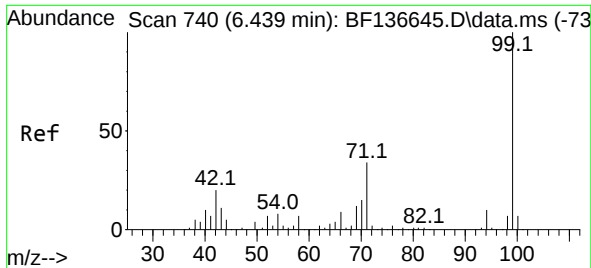
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#5
2-Fluorophenol
Concen: 88.253 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

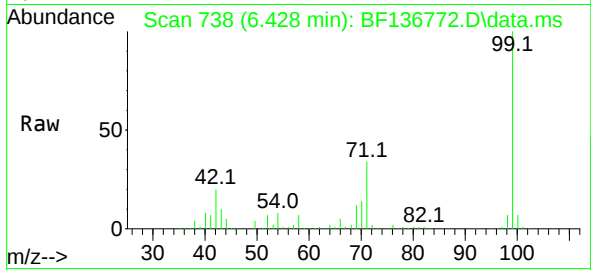
Tgt Ion:112 Resp: 384036
Ion Ratio Lower Upper
112 100
64 60.7 51.1 76.7
63 30.1 26.1 39.1





#7
Phenol-d6
Concen: 89.691 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

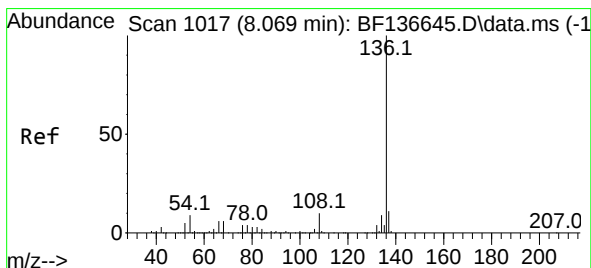
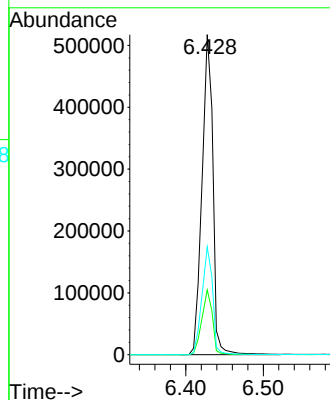
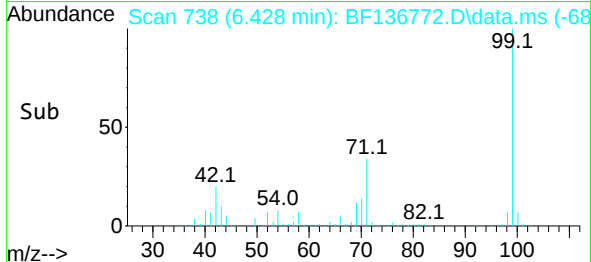
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5



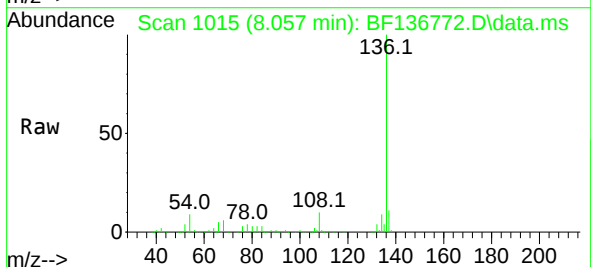
Tgt Ion: 99 Resp: 505725
Ion Ratio Lower Upper
99 100
42 20.3 16.1 24.1
71 33.7 27.4 41.2

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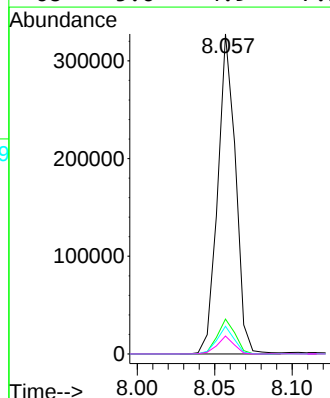
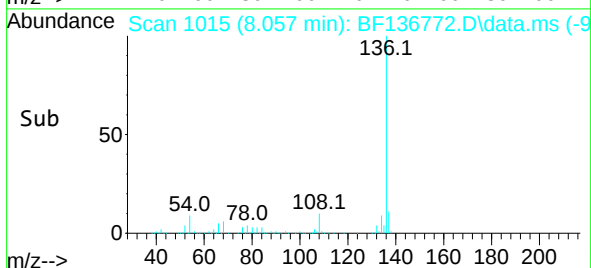
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

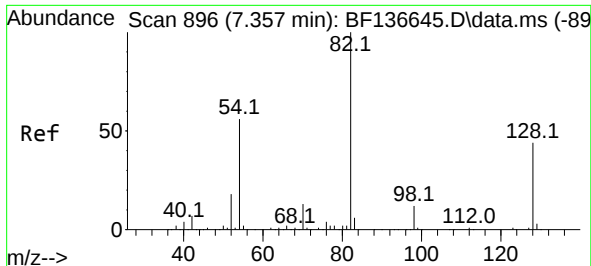


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32



Tgt Ion:136 Resp: 262211
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.7 7.2 10.8
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 62.872 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :

RT-SB-09-10.5-11.5

Tgt Ion: 82 Resp: 32216

Ion Ratio Lower Upper

82 100

128 46.5 35.3 52.9

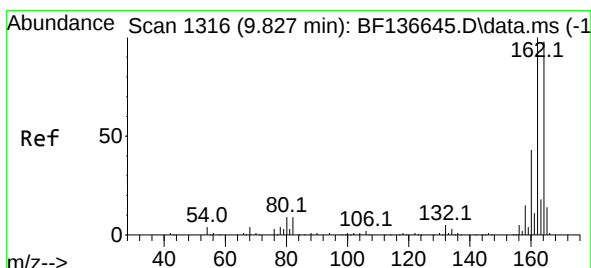
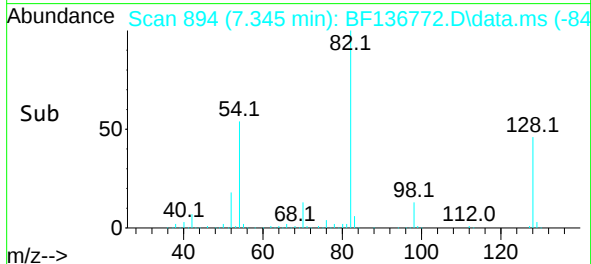
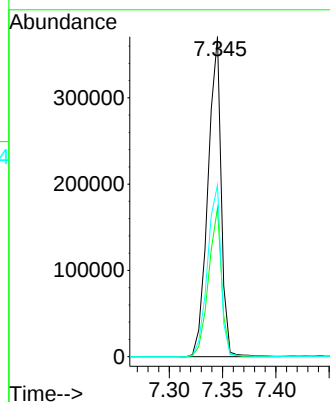
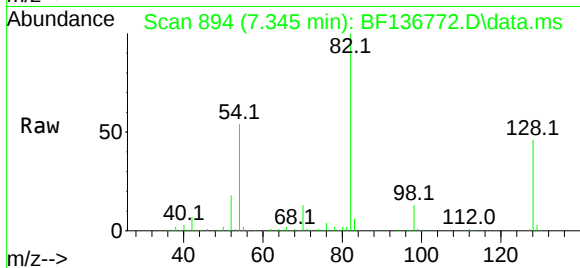
54 53.6 44.5 66.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

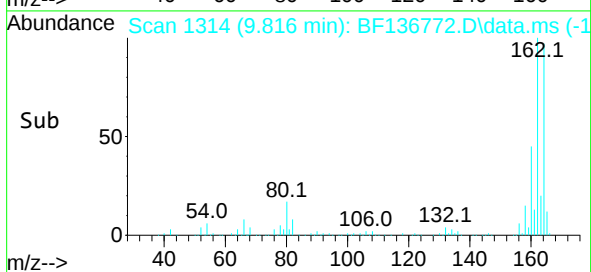
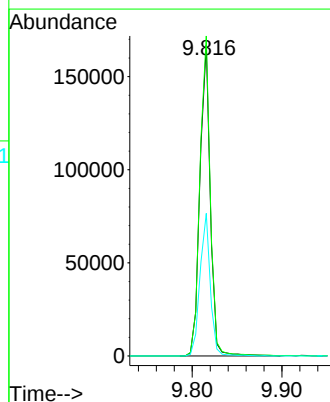
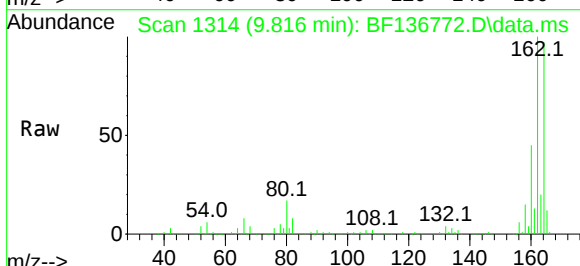
Tgt Ion:164 Resp: 134160

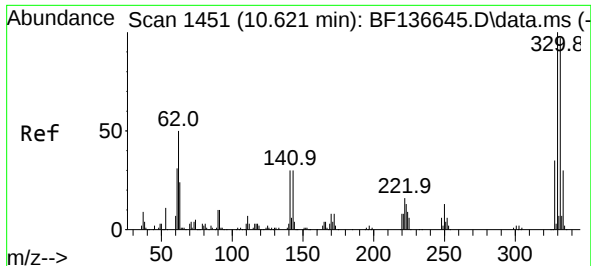
Ion Ratio Lower Upper

164 100

162 103.0 81.6 122.4

160 45.9 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 55.392 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :

RT-SB-09-10.5-11.5

Tgt Ion:330 Resp: 8752

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

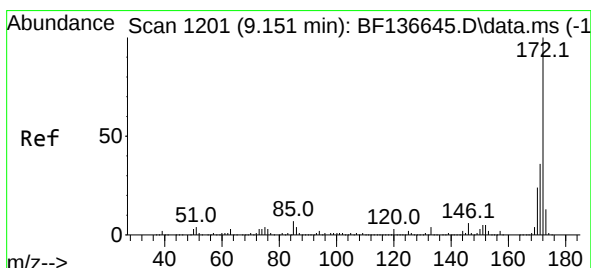
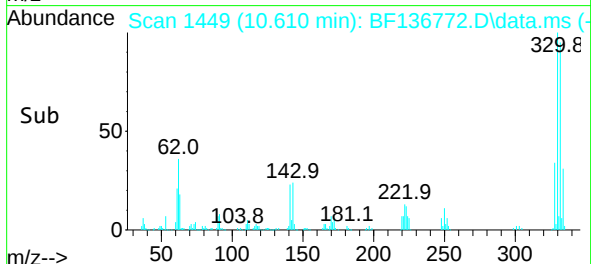
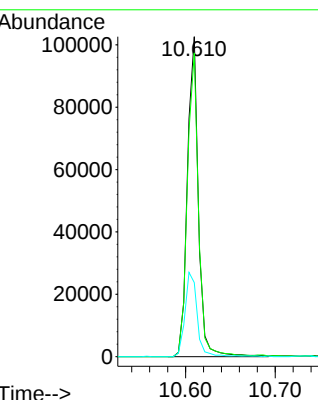
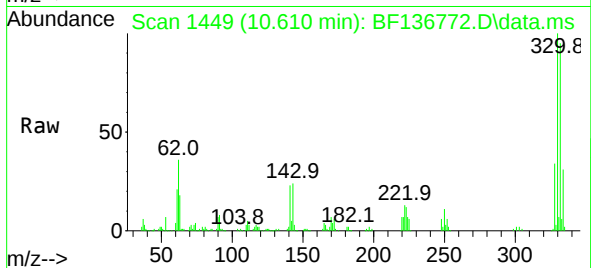
141 29.5 23.4 35.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#45

2-Fluorobiphenyl

Concen: 62.372 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

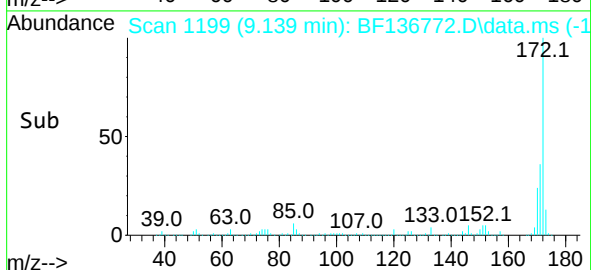
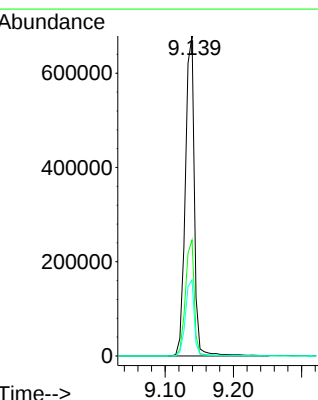
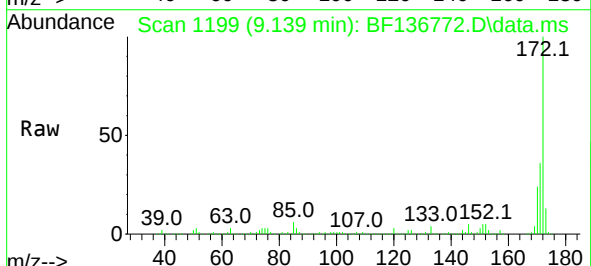
Tgt Ion:172 Resp: 622155

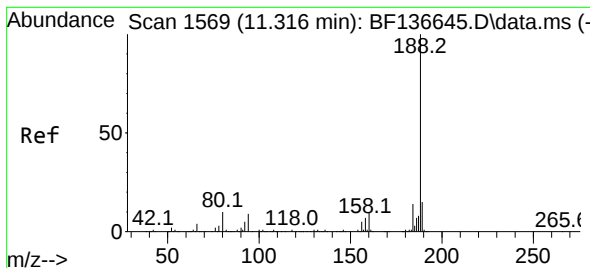
Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.6

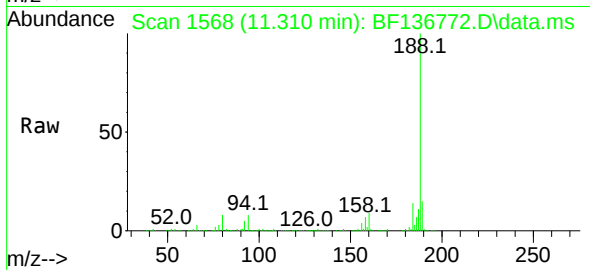
170 23.7 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

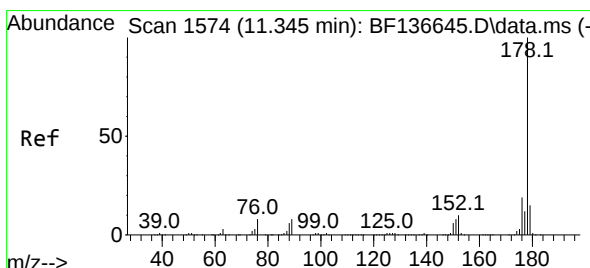
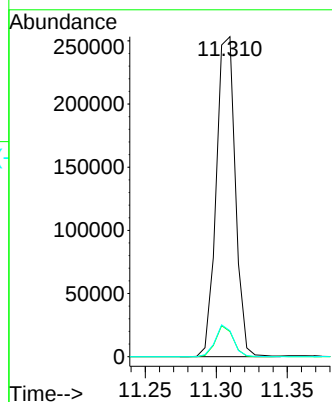
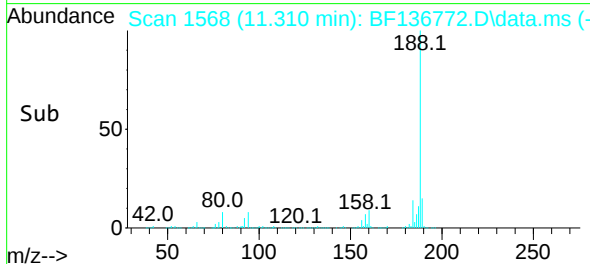
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion:188 Resp: 23648
Ion Ratio Lower Upper
188 100
94 7.9 7.5 11.3
80 8.1 8.1 12.1

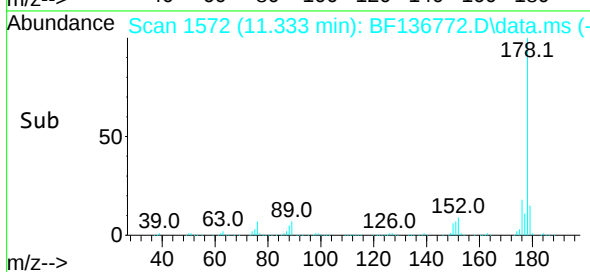
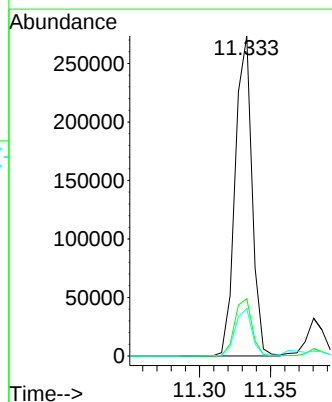
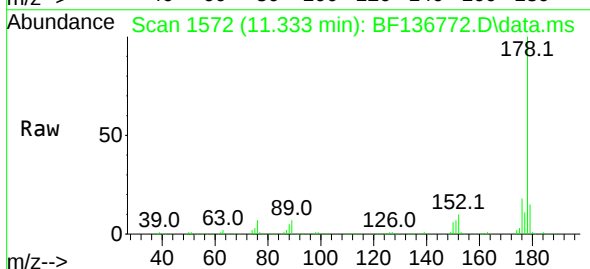
Manual Integrations
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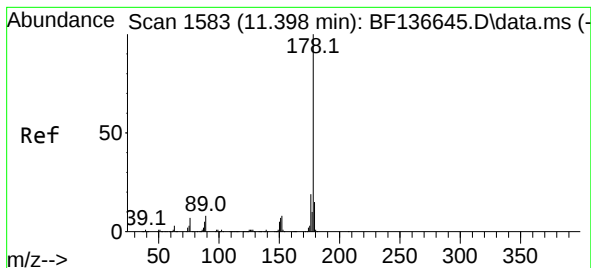
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#71
Phenanthrene
Concen: 18.570 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Tgt Ion:178 Resp: 225325
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 14.8 11.9 17.9





#72

Anthracene

Concen: 2.116 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :

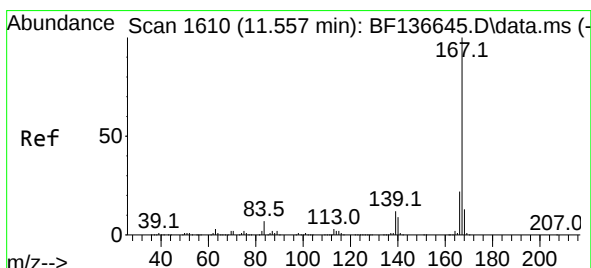
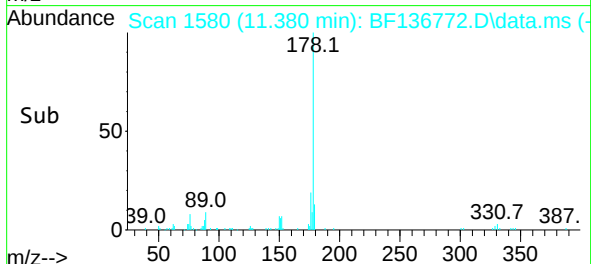
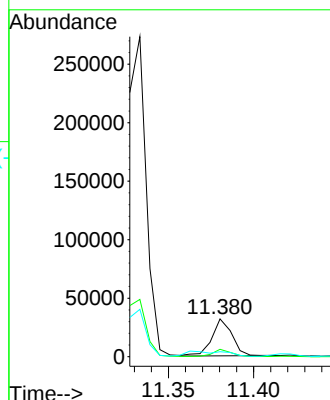
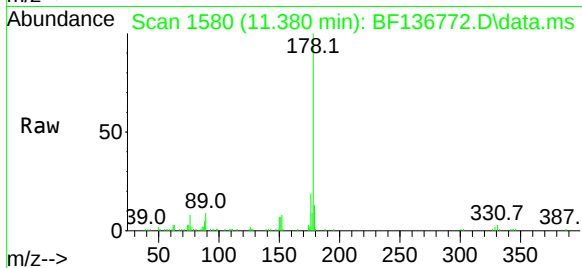
RT-SB-09-10.5-11.5

Tgt Ion:178 Resp: 2600
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.9 22.3
 179 13.3 11.8 17.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023



#73

Carbazole

Concen: 2.950 ng

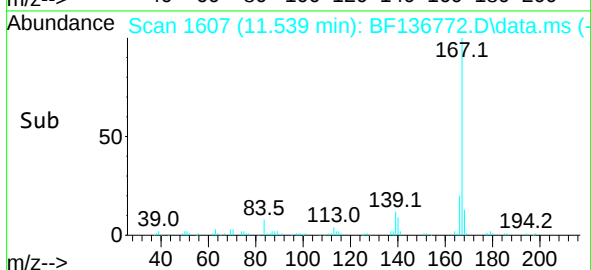
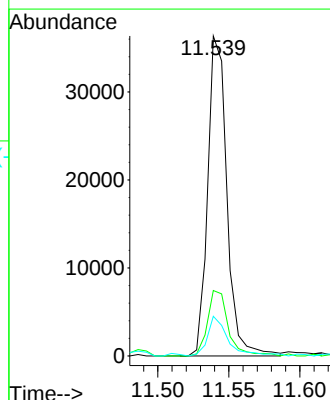
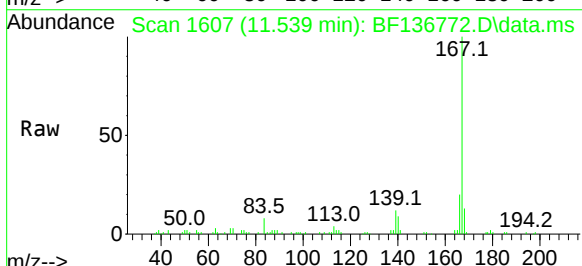
RT: 11.539 min Scan# 1607

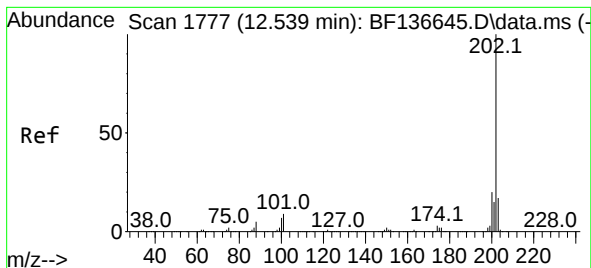
Delta R.T. -0.018 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

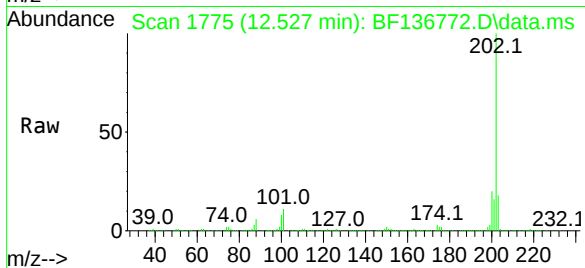
Tgt Ion:167 Resp: 34181
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.3 25.9
 139 12.4 9.8 14.6





#75
Fluoranthene
Concen: 35.649 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

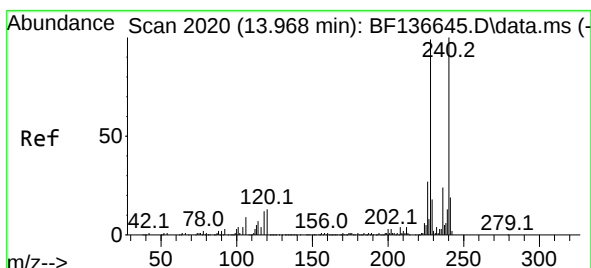
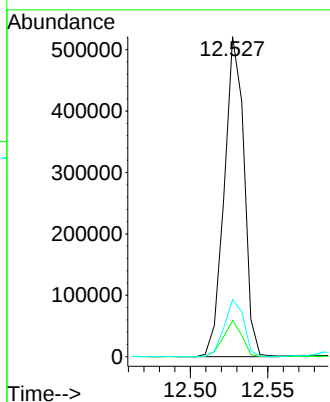
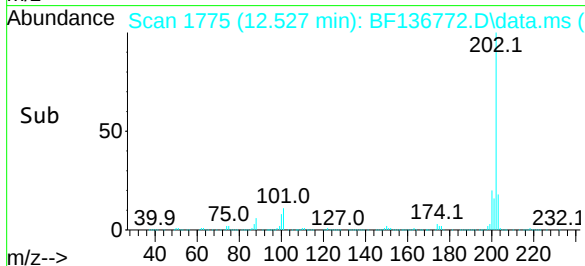
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5



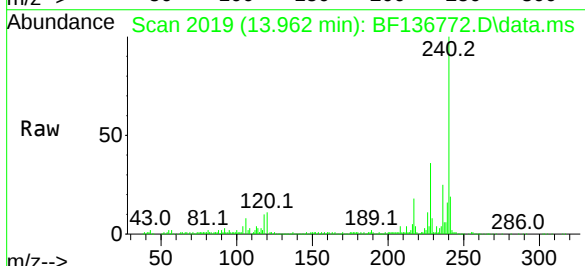
Tgt Ion:202 Resp: 46270
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.3
203 17.8 0.0 37.1

Manual Integrations
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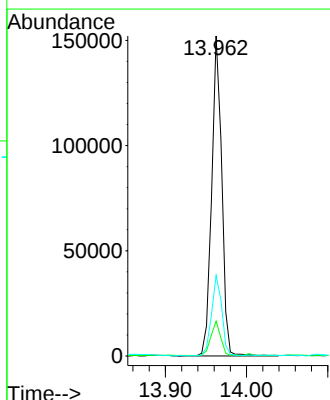
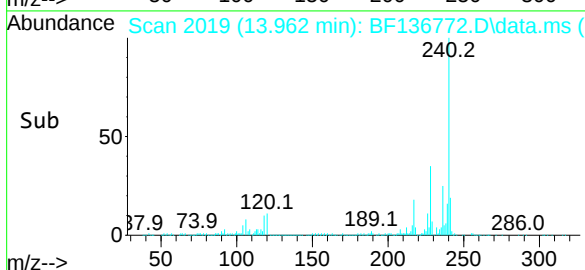
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

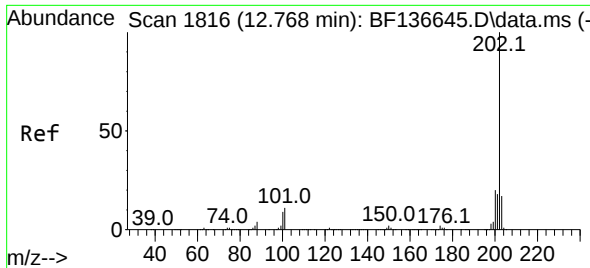


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32



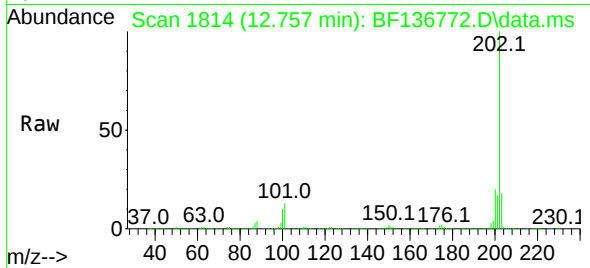
Tgt Ion:240 Resp: 131309
Ion Ratio Lower Upper
240 100
120 10.9 10.3 15.5
236 25.1 19.4 29.2





#78
Pyrene
Concen: 28.229 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

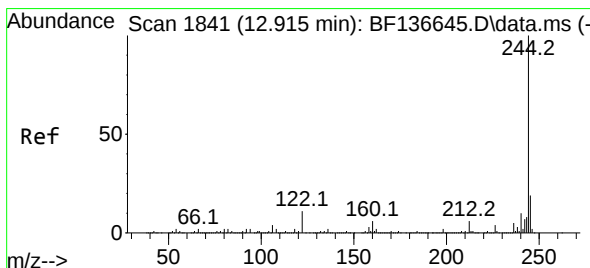
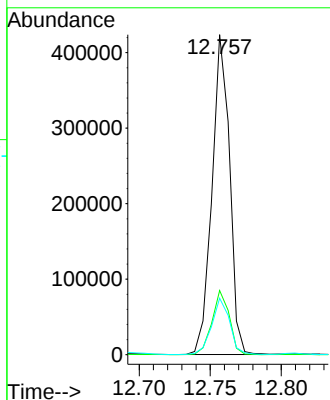
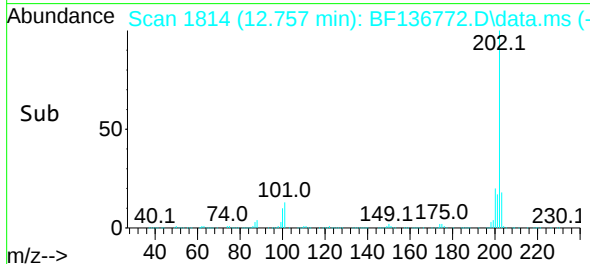
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion:202 Resp: 363874
Ion Ratio Lower Upper
202 100
200 20.0 15.9 23.9
203 17.7 13.8 20.6

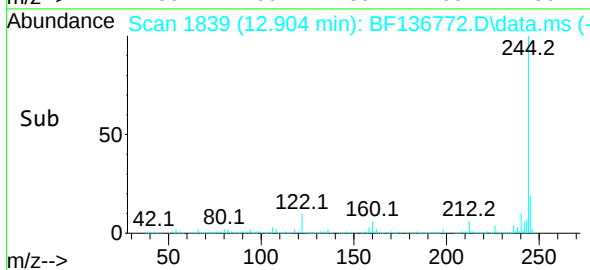
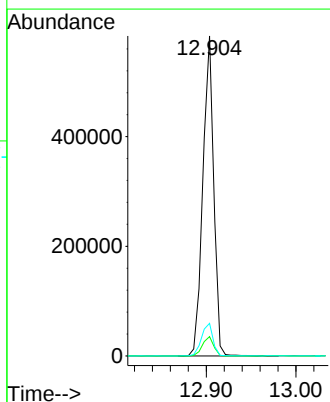
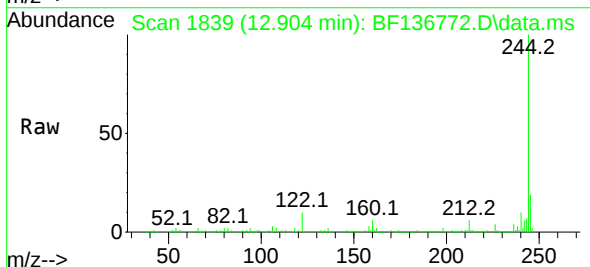
Manual Integrations
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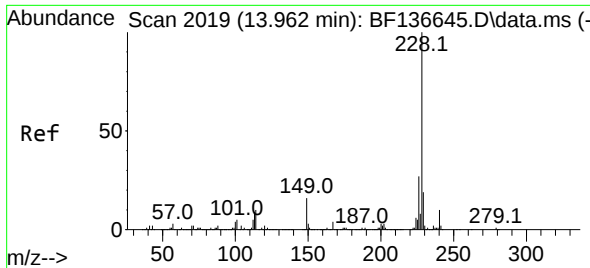
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#79
Terphenyl-d14
Concen: 52.220 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

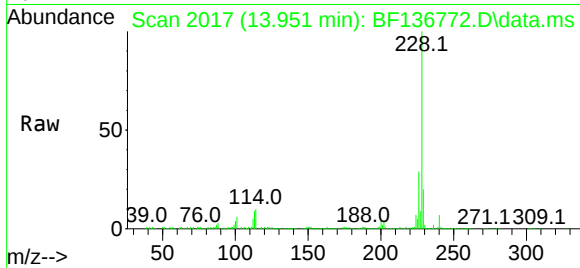
Tgt Ion:244 Resp: 490668
Ion Ratio Lower Upper
244 100
212 6.0 5.0 7.4
122 10.2 9.0 13.4





#81
Benzo(a)anthracene
Concen: 23.307 ng
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

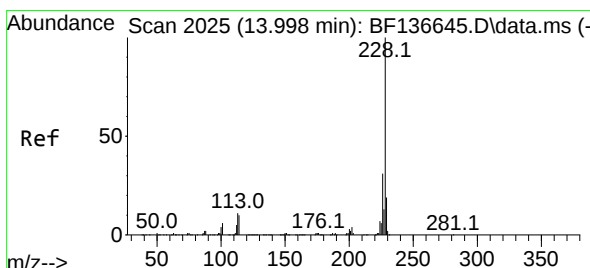
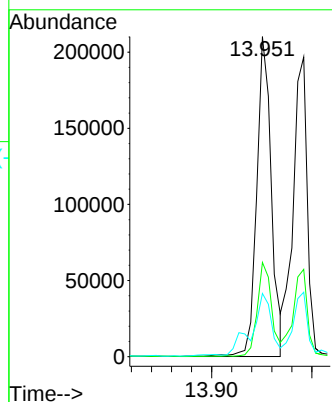
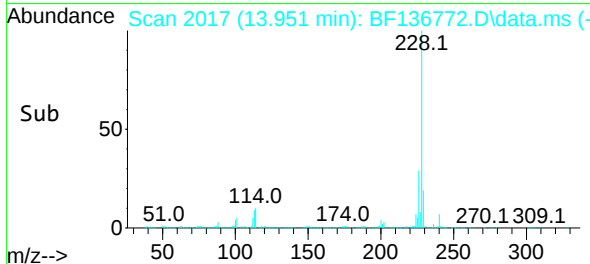
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion:228 Resp: 212508
Ion Ratio Lower Upper
228 100
226 29.5 21.4 32.0
229 19.8 14.9 22.3

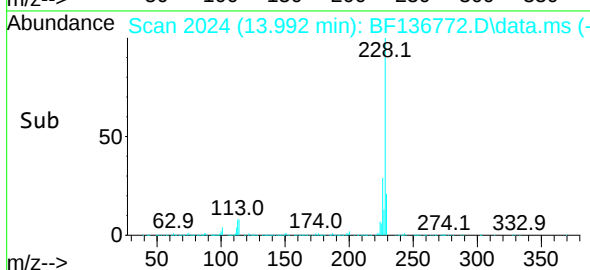
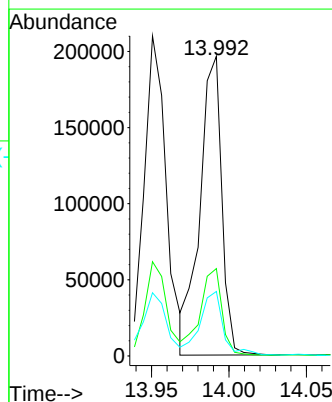
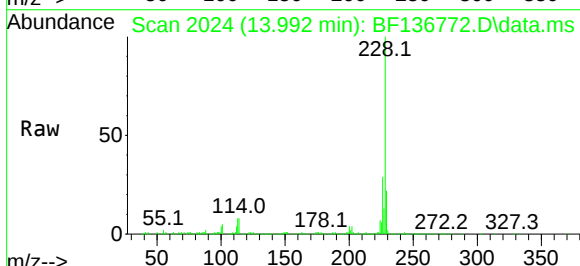
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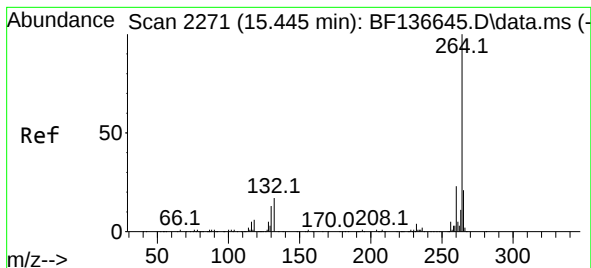
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#83
Chrysene
Concen: 21.648 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

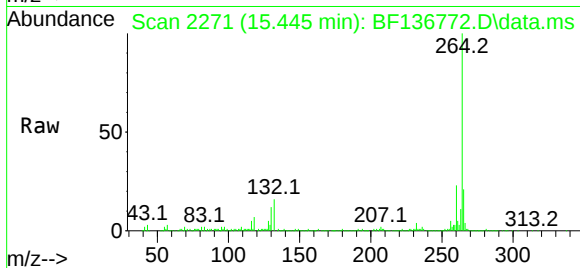
Tgt Ion:228 Resp: 193020
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 21.5 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

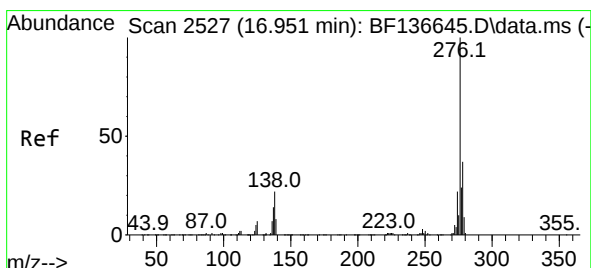
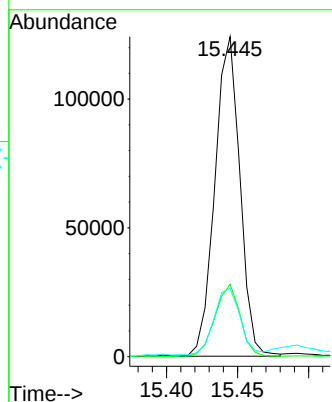
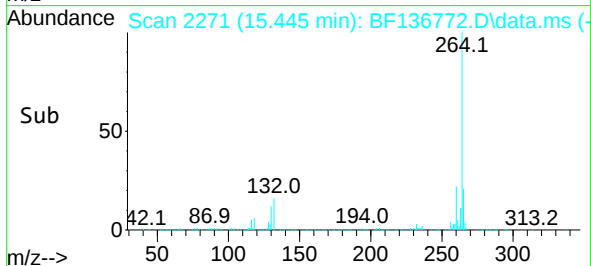
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion:264 Resp: 151618
Ion Ratio Lower Upper
264 100
260 22.6 18.3 27.5
265 21.4 17.0 25.6

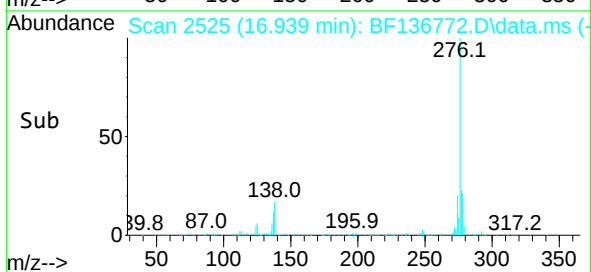
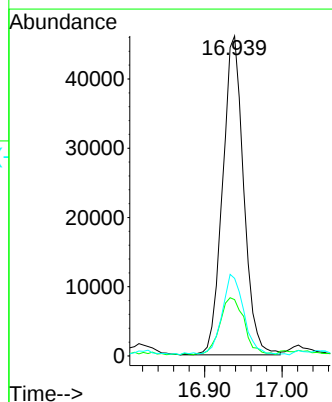
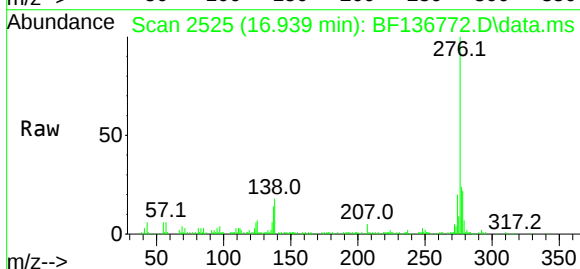
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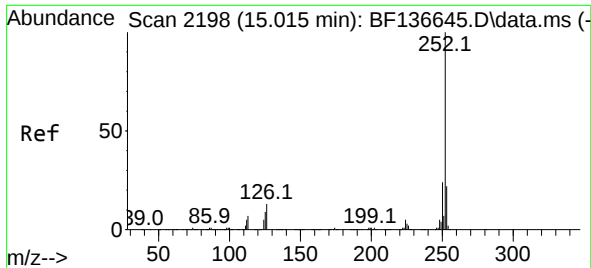
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.951 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

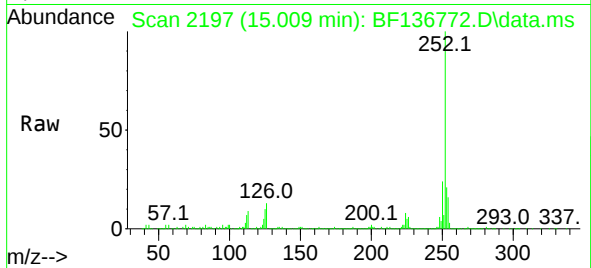
Tgt Ion:276 Resp: 87035
Ion Ratio Lower Upper
276 100
138 20.5 18.7 28.1
277 25.2 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 23.453 ng m
RT: 15.009 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

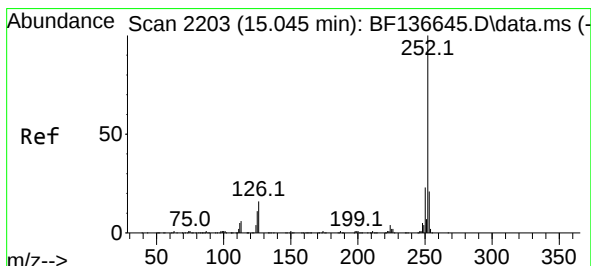
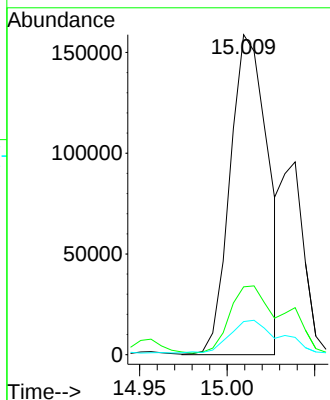
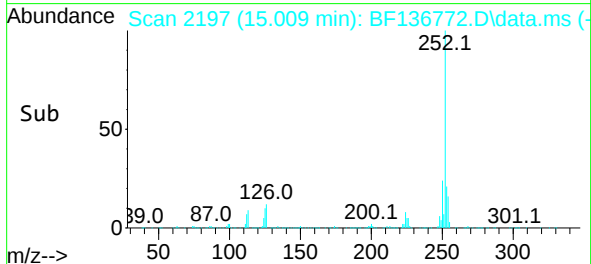
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5



Tgt Ion:252 Resp: 237504
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 10.3 7.4 11.2

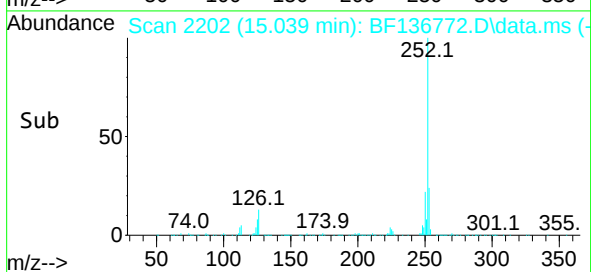
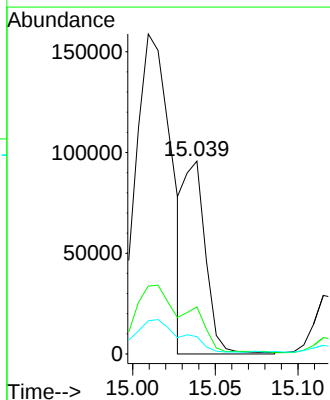
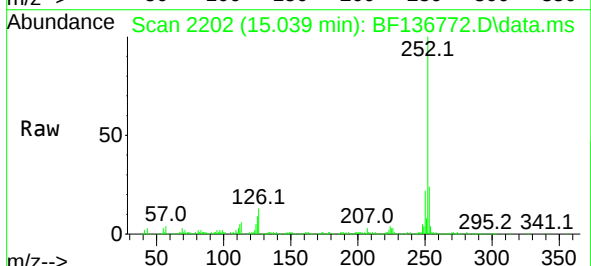
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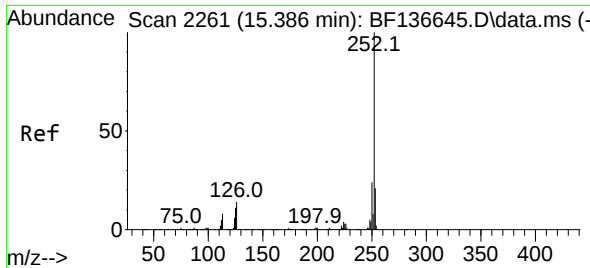
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#89
Benzo(k)fluoranthene
Concen: 9.141 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Tgt Ion:252 Resp: 87468
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 9.0 8.2 12.4





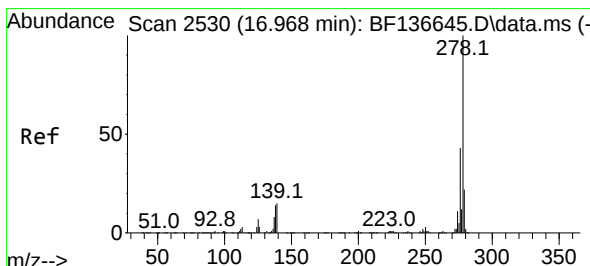
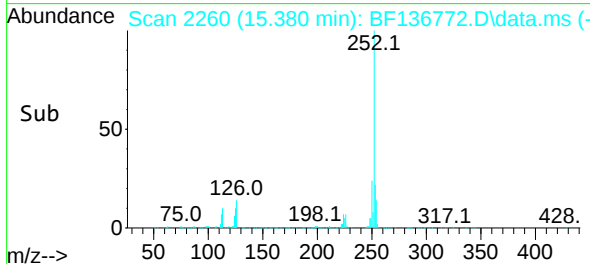
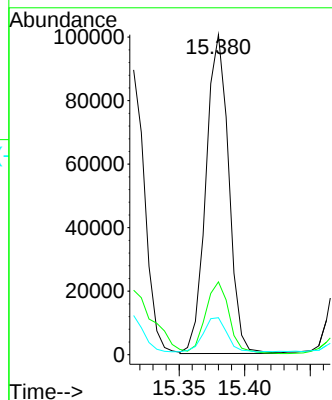
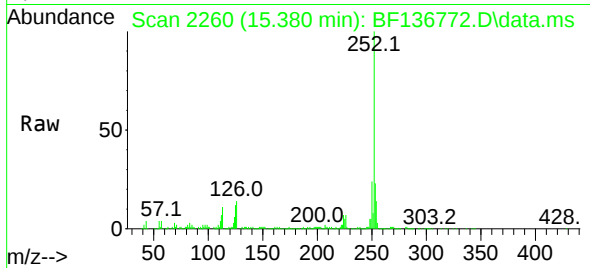
#90
Benzo(a)pyrene
Concen: 14.182 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

Tgt Ion:252 Resp: 121228
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 11.5 8.8 13.2

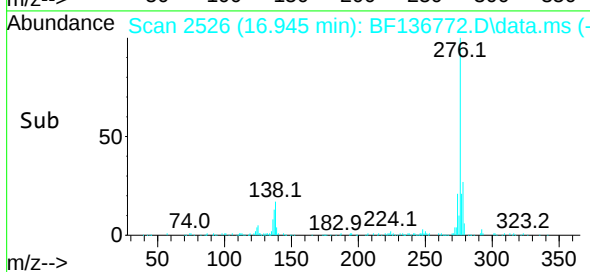
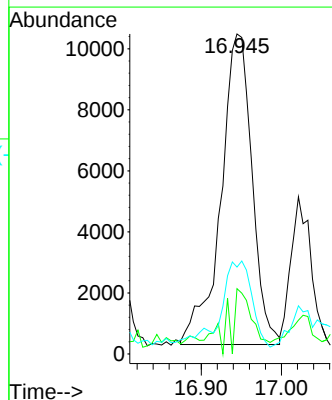
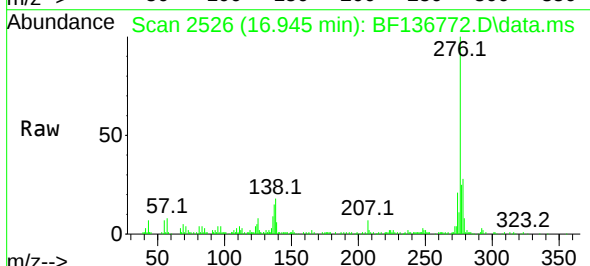
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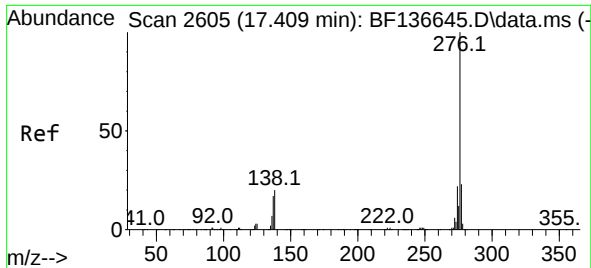
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.063 ng m
RT: 16.945 min Scan# 2526
Delta R.T. -0.024 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

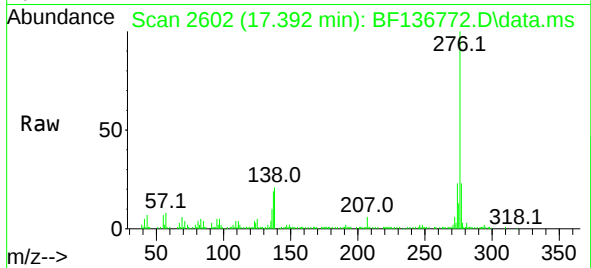
Tgt Ion:278 Resp: 27513
Ion Ratio Lower Upper
278 100
139 20.4 12.2 18.4#
279 27.2 17.8 26.6#





#92
 Benzo(g,h,i)perylene
 Concen: 7.298 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF136772.D
 Acq: 27 Dec 2023 22:32

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-09-10.5-11.5



Tgt Ion: 276 Resp: 6712
 Ion Ratio Lower Upper
 276 100
 277 22.6 18.3 27.5
 138 20.7 15.6 23.4

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Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023

