

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
 Data File : BF135061.D
 Acq On : 01 Sep 2023 01:42
 Operator : CG\JU
 Sample : 04188-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/01/2023
 Supervised By :mohammad ahmed 09/01/2023

Quant Time: Sep 01 02:57:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	128085	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	514980	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	251268	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	381262	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	200419	20.000	ng	0.00
86) Perylene-d12	15.427	264	249626	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	695091	83.823	ng	0.00
7) Phenol-d6	6.410	99	895798	86.669	ng	0.00
23) Nitrobenzene-d5	7.334	82	547759	59.757	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	199405	74.812	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	917504	59.450	ng	-0.01
79) Terphenyl-d14	12.898	244	596239	48.548	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.357	166	37127	2.428	ng	99
71) Phenanthrene	11.322	178	513066	26.084	ng	99
72) Anthracene	11.375	178	95769	4.765	ng	97
75) Fluoranthene	12.522	202	655715	32.972	ng	99
78) Pyrene	12.751	202	539167	28.334	ng	99
81) Benzo(a)anthracene	13.945	228	319403	23.363	ng	96
83) Chrysene	13.980	228	276347	20.568	ng	97
87) Indeno(1,2,3-cd)pyrene	16.898	276	175100	10.414	ng	95
88) Benzo(b)fluoranthene	14.998	252	437656m	28.177	ng	
89) Benzo(k)fluoranthene	15.021	252	146799m	9.783	ng	
90) Benzo(a)pyrene	15.363	252	318983	22.107	ng	98
91) Dibenzo(a,h)anthracene	16.909	278	45548	3.345	ng	96
92) Benzo(g,h,i)perylene	17.345	276	143103	10.104	ng	97

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

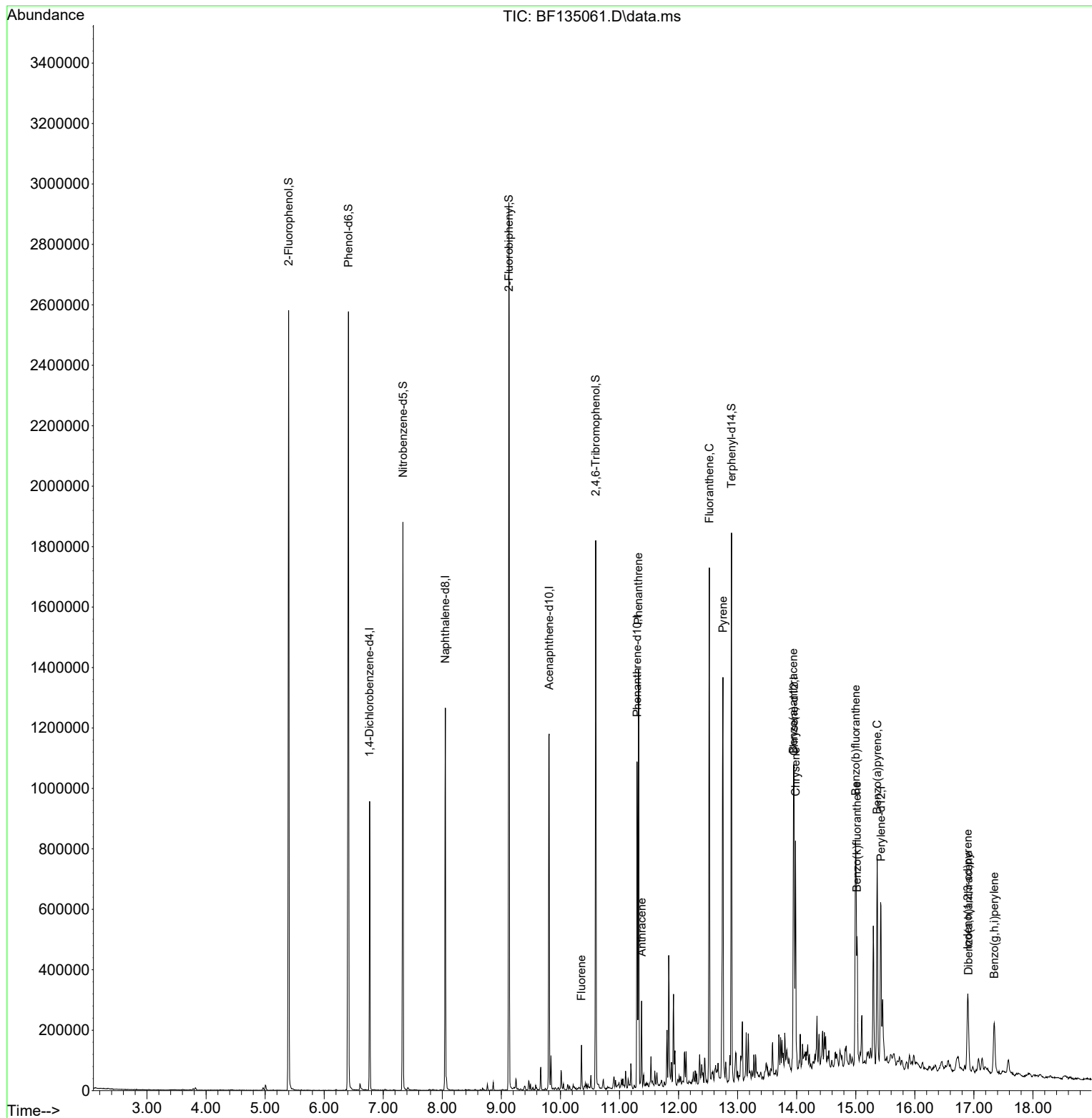
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
Data File : BF135061.D
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ALS Vial : 18 Sample Multiplier: 1

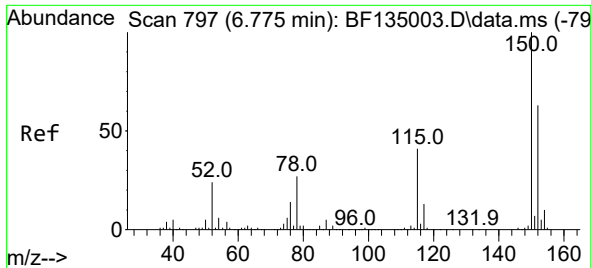
Instrument :
BNA_F
ClientSampleId :
WC-7

Quant Time: Sep 01 02:57:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
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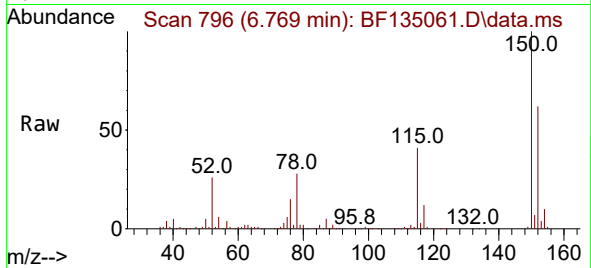
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

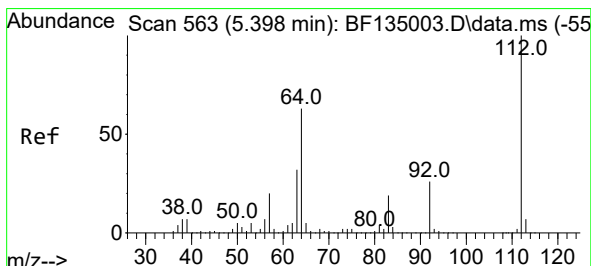
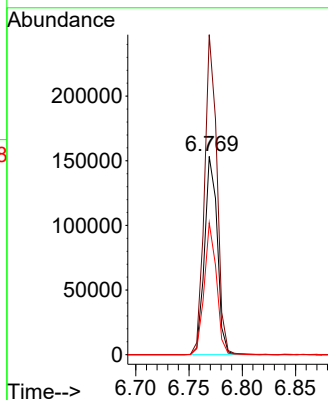
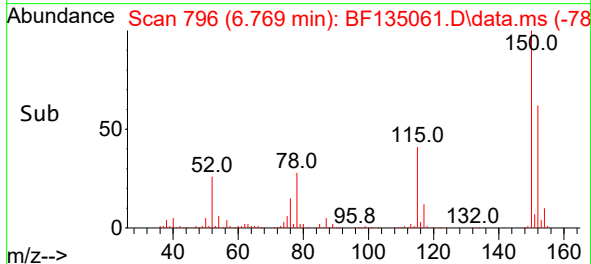
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion:152 Resp: 128085
Ion Ratio Lower Upper
152 100
150 161.4 126.2 189.4
115 66.5 51.2 76.8

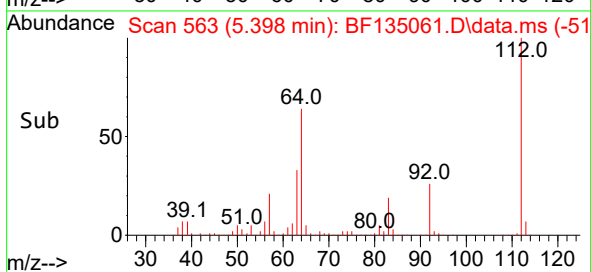
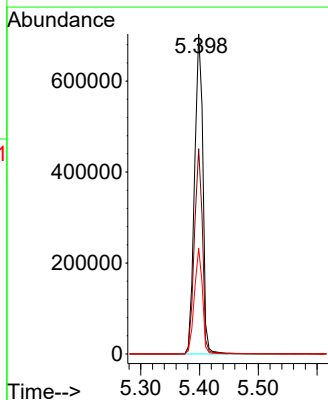
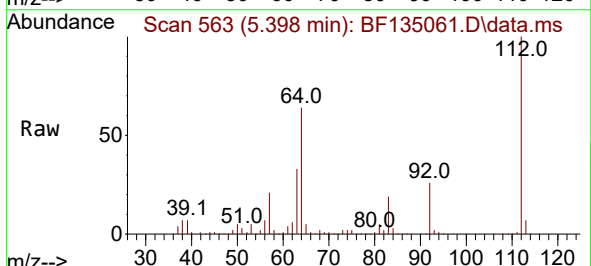
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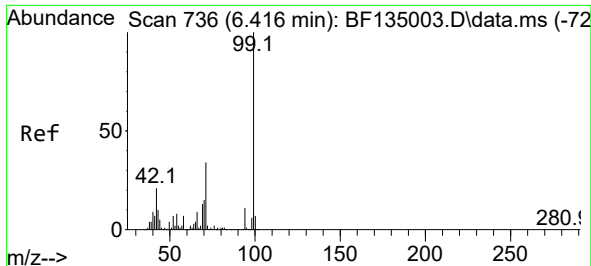
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#5
2-Fluorophenol
Concen: 83.823 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

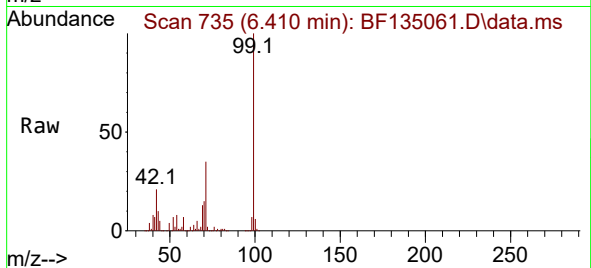
Tgt Ion:112 Resp: 695091
Ion Ratio Lower Upper
112 100
64 64.2 50.5 75.7
63 33.0 25.9 38.9





#7
Phenol-d6
Concen: 86.669 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

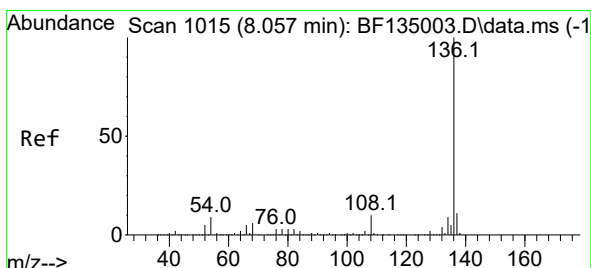
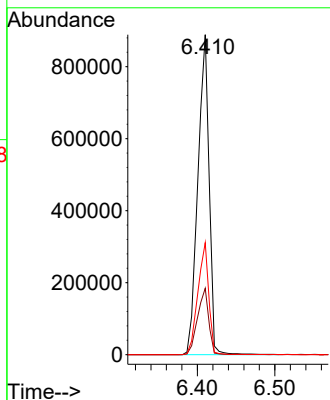
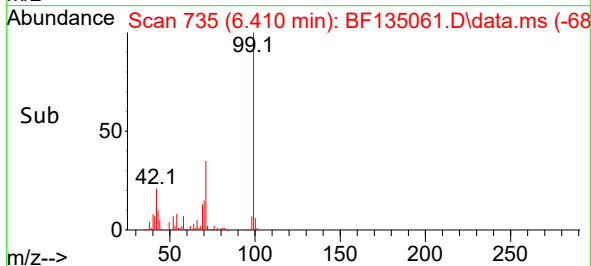
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion: 99 Resp: 895798
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 35.0 27.0 40.6

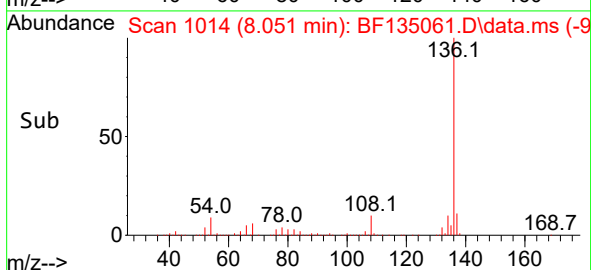
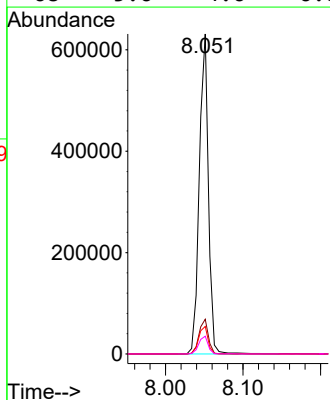
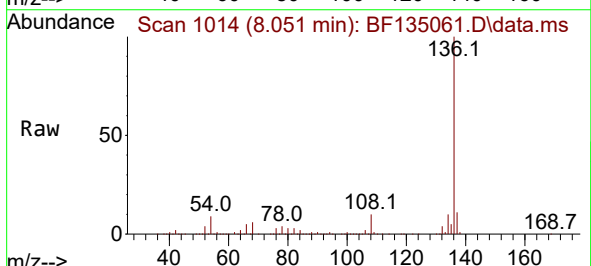
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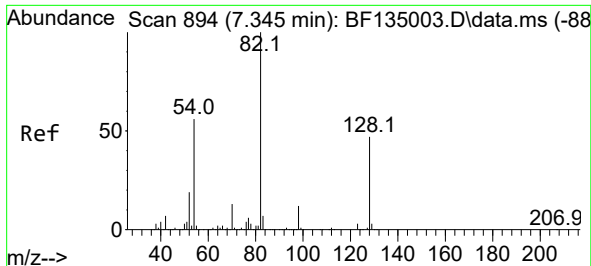
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:136 Resp: 514980
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.6 7.0 10.4
68 5.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 59.757 ng

RT: 7.334 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF135061.D

Acq: 01 Sep 2023 01:42

Instrument :

BNA_F

ClientSampleId :

WC-7

Tgt Ion: 82 Resp: 547759

Ion Ratio Lower Upper

82 100

128 44.7 37.8 56.8

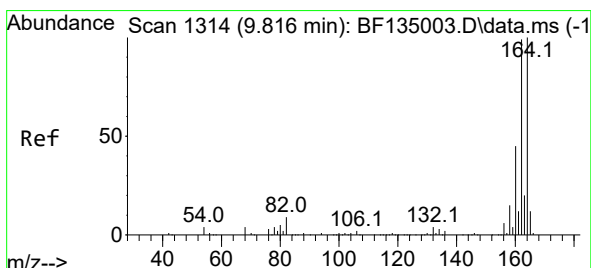
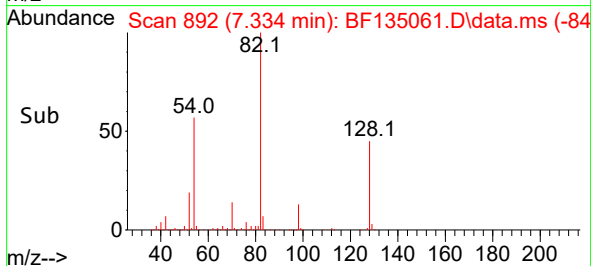
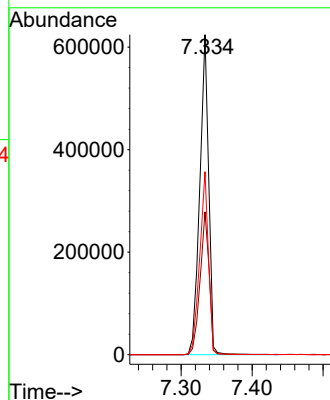
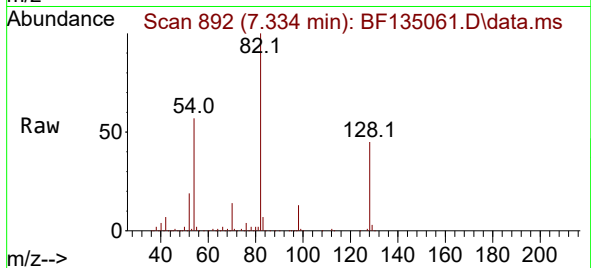
54 57.2 45.0 67.6

Manual Integrations

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Supervised By :mohammad ahmed 09/01/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF135061.D

Acq: 01 Sep 2023 01:42

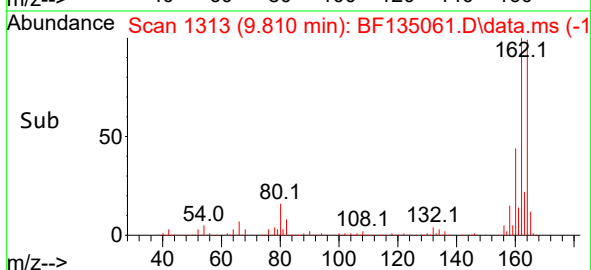
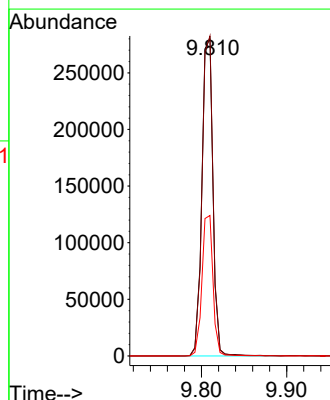
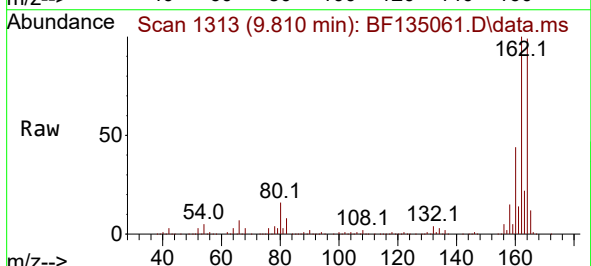
Tgt Ion:164 Resp: 251268

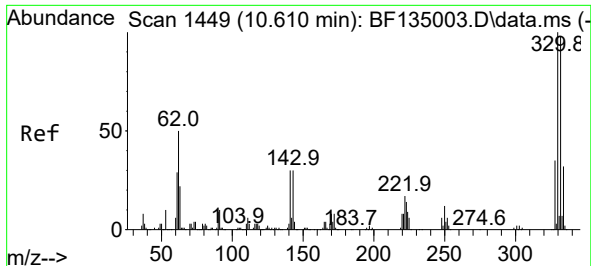
Ion Ratio Lower Upper

164 100

162 100.9 79.5 119.3

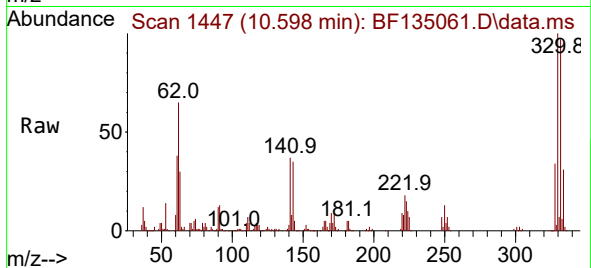
160 44.3 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 74.812 ng
RT: 10.598 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

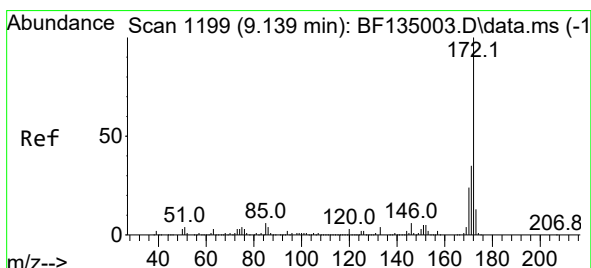
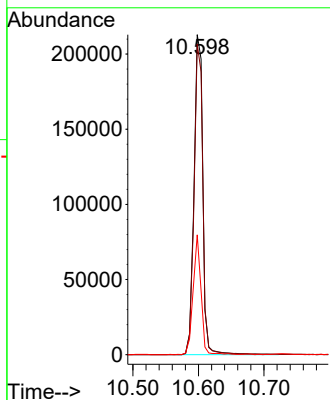
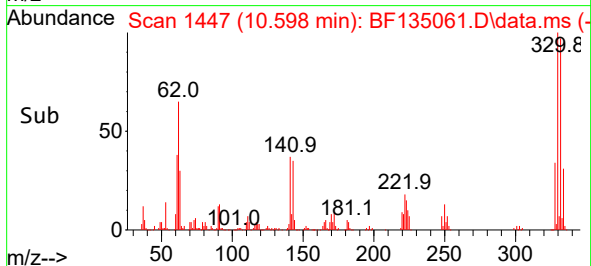
Instrument :
BNA_F
ClientSampleId :
WC-7



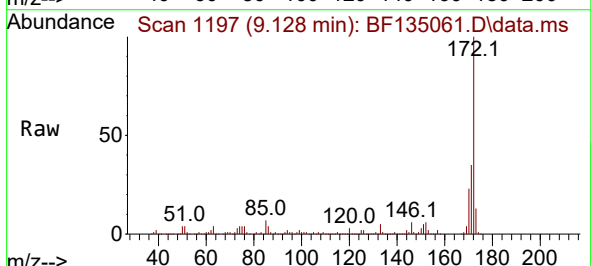
Tgt Ion:330 Resp: 19940
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 33.7 26.3 39.5

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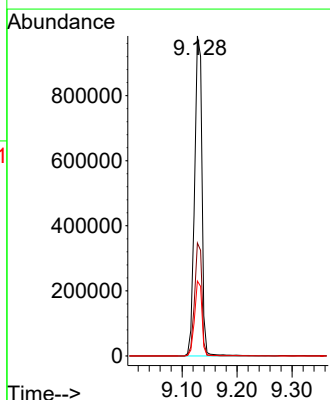
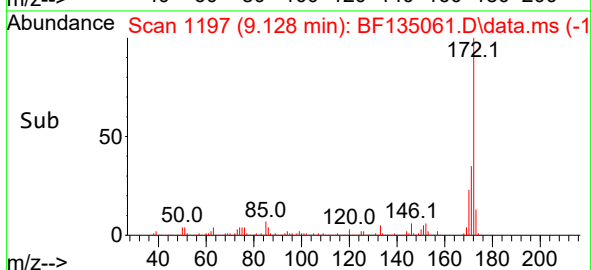
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

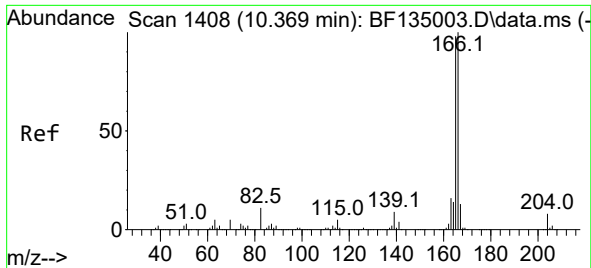


#45
2-Fluorobiphenyl
Concen: 59.450 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42



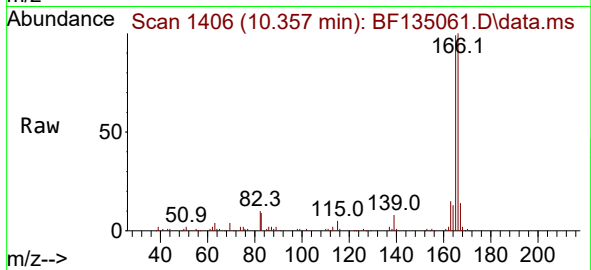
Tgt Ion:172 Resp: 917504
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.4 19.0 28.4





#58
Fluorene
Concen: 2.428 ng
RT: 10.357 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

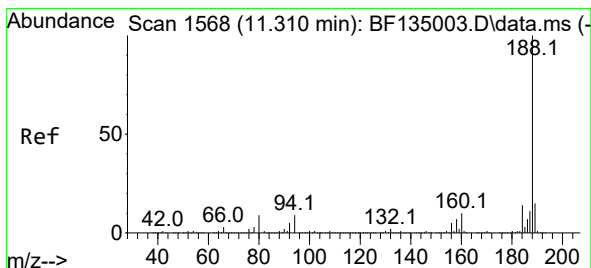
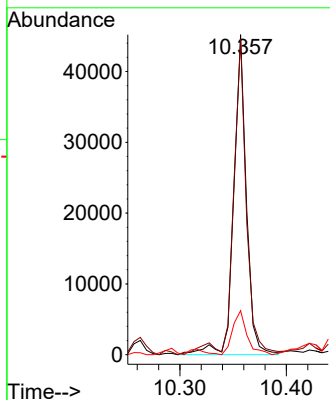
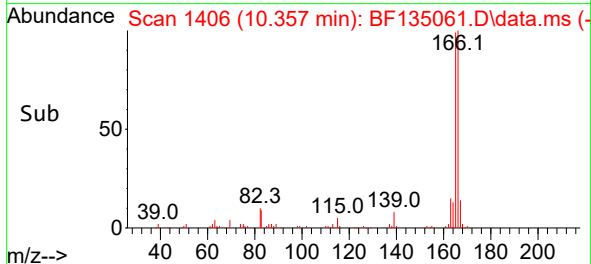
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion:166 Resp: 3712
Ion Ratio Lower Upper
166 100
165 98.7 78.0 117.0
167 13.8 10.8 16.2

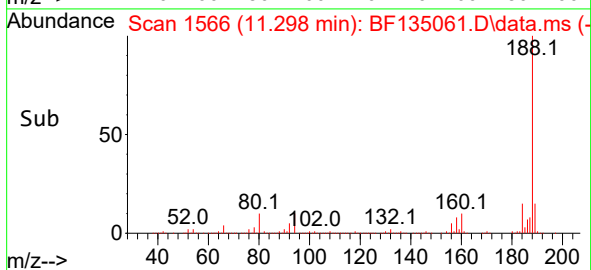
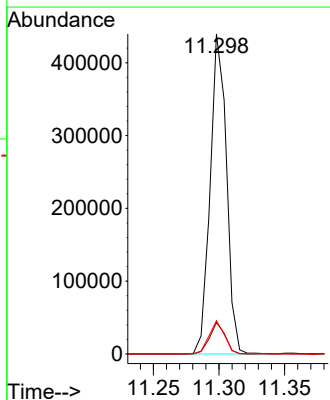
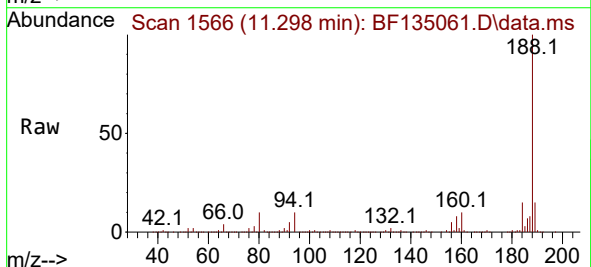
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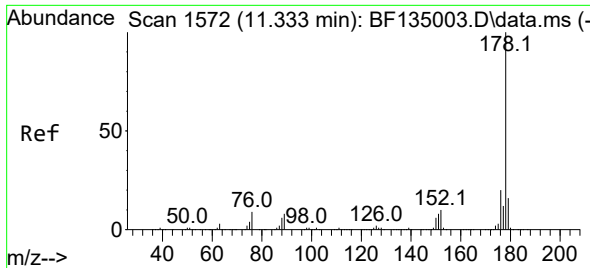
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

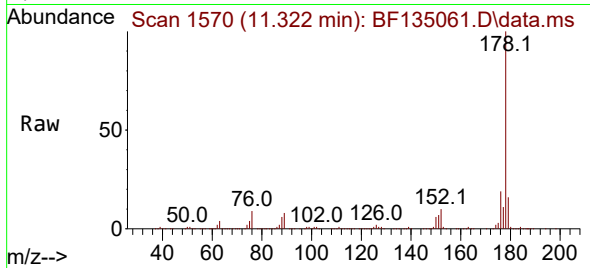
Tgt Ion:188 Resp: 381262
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.4 7.4 11.2





#71
Phenanthrene
Concen: 26.084 ng
RT: 11.322 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

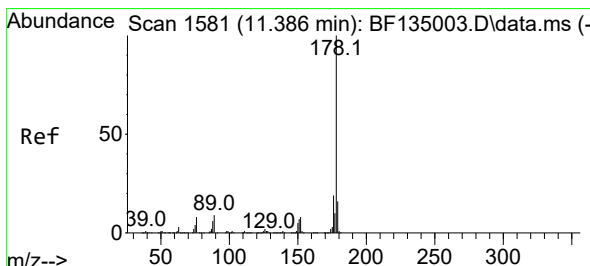
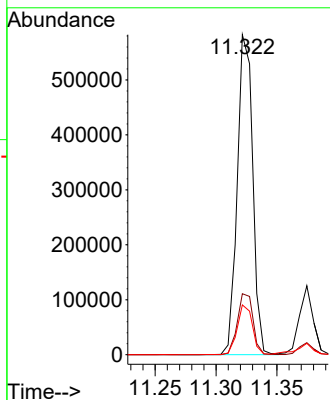
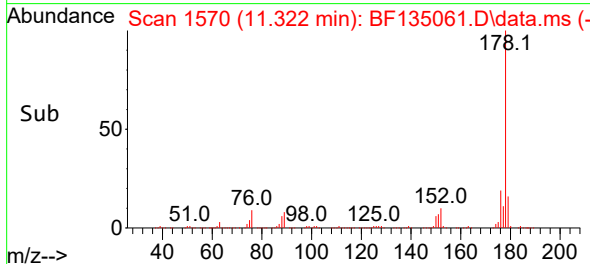
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion:178 Resp: 513060
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.5 12.5 18.7

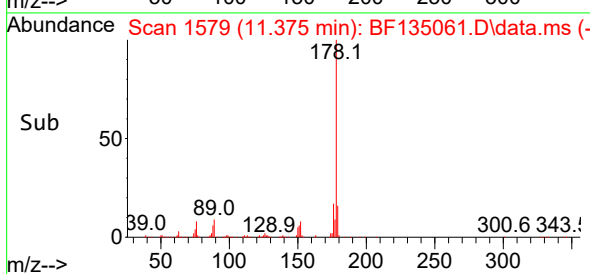
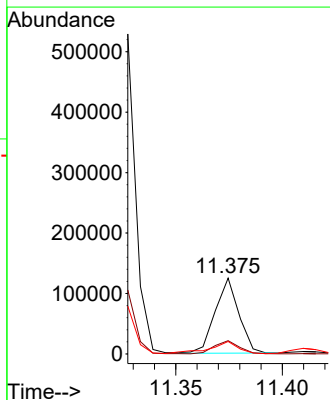
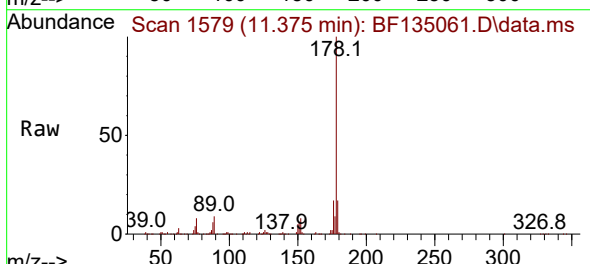
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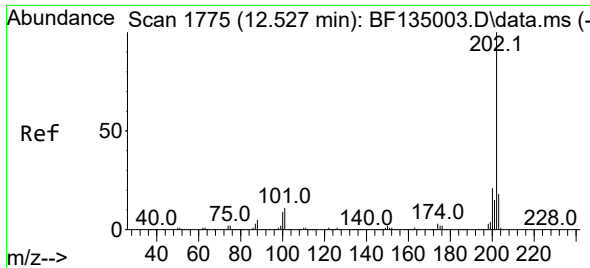
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#72
Anthracene
Concen: 4.765 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

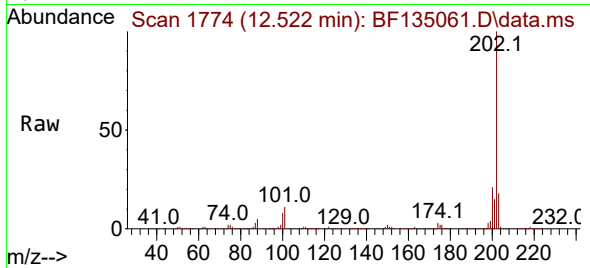
Tgt Ion:178 Resp: 95769
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.2
179 16.6 12.8 19.2





#75
Fluoranthene
Concen: 32.972 ng
RT: 12.522 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

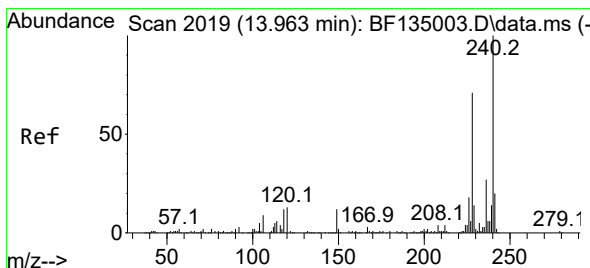
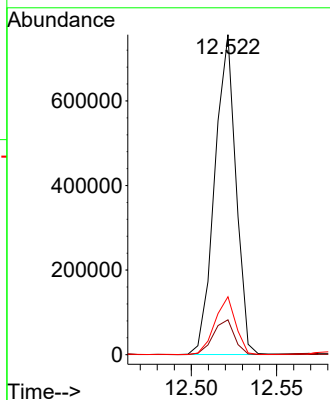
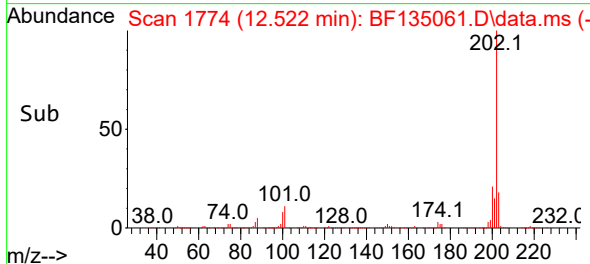
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion:202 Resp: 655715
Ion Ratio Lower Upper
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101 10.9 0.0 31.5
203 18.1 0.0 37.8

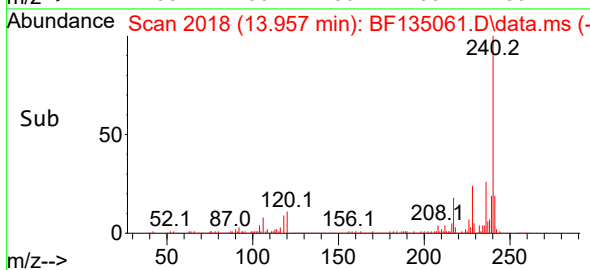
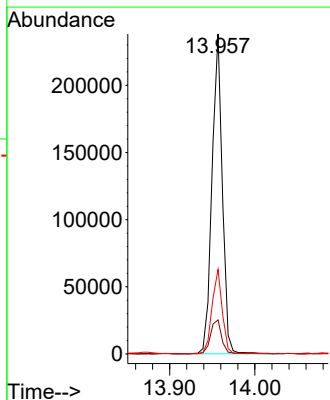
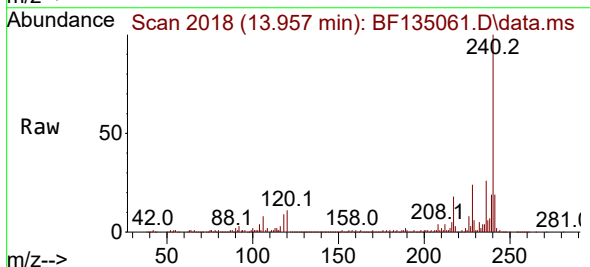
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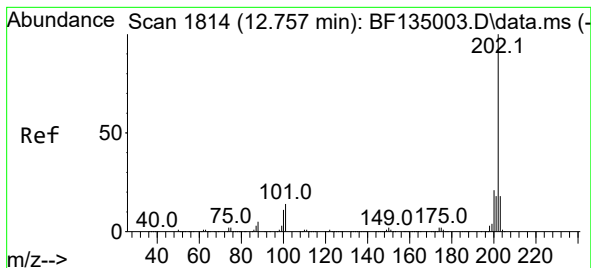
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:240 Resp: 200419
Ion Ratio Lower Upper
240 100
120 10.7 10.2 15.2
236 26.4 21.3 31.9





#78

Pyrene

Concen: 28.334 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF135061.D

Acq: 01 Sep 2023 01:42

Instrument :

BNA_F

ClientSampleId :

WC-7

Tgt Ion:202 Resp: 53916

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

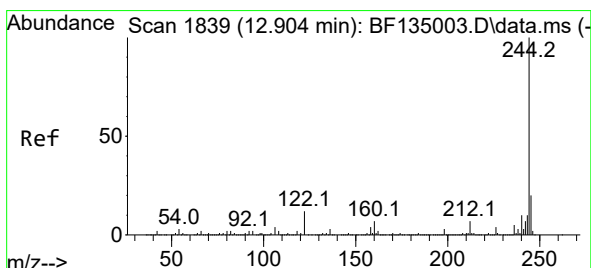
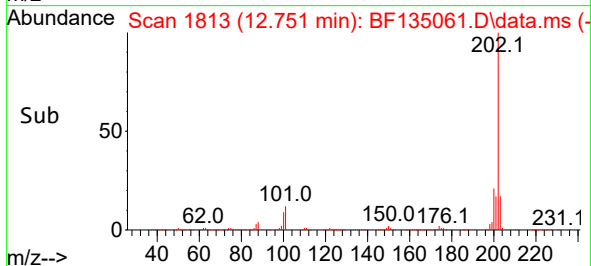
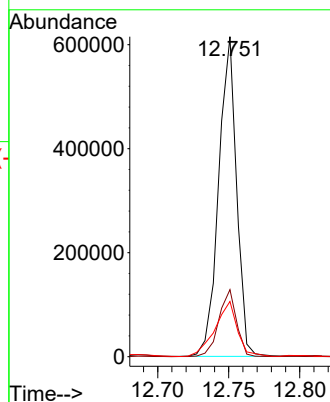
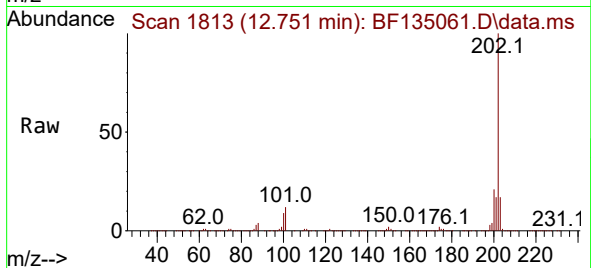
203 17.2 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#79

Terphenyl-d14

Concen: 48.548 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF135061.D

Acq: 01 Sep 2023 01:42

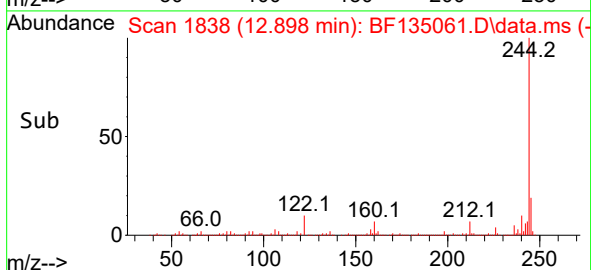
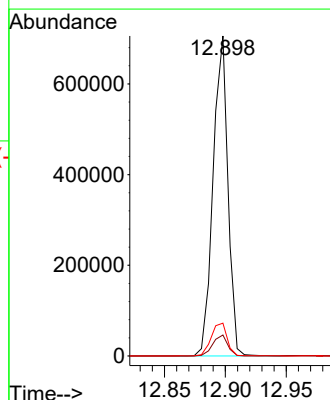
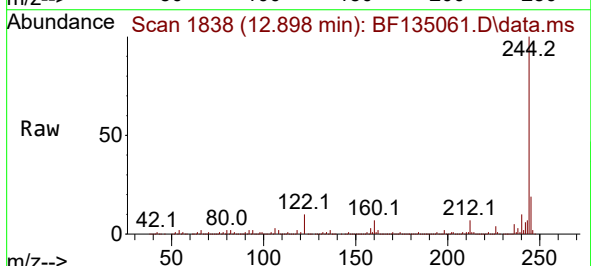
Tgt Ion:244 Resp: 596239

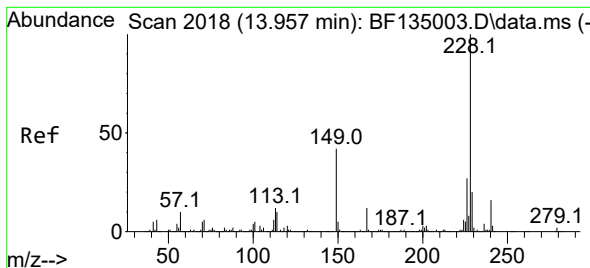
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.3 9.8 14.6





#81

Benzo(a)anthracene

Concen: 23.363 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135061.D

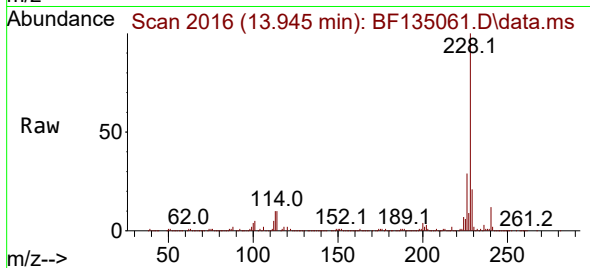
Acq: 01 Sep 2023 01:42

Instrument :

BNA_F

ClientSampleId :

WC-7



Tgt Ion:228 Resp: 31940

Ion Ratio Lower Upper

228 100

226 29.4 21.6 32.4

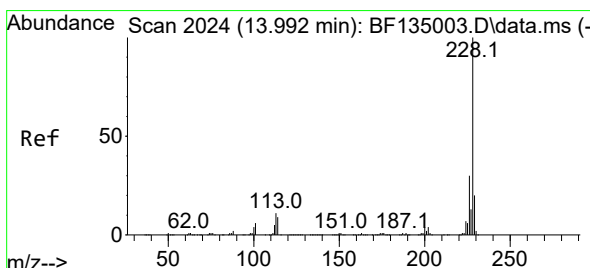
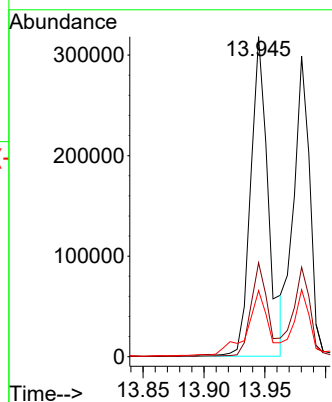
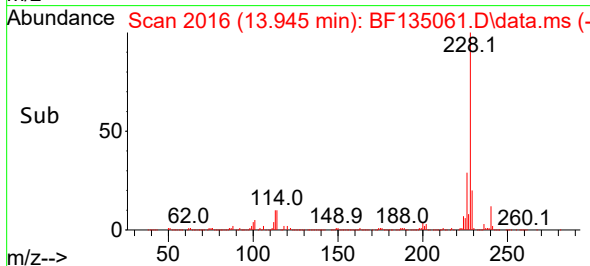
229 20.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#83

Chrysene

Concen: 20.568 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF135061.D

Acq: 01 Sep 2023 01:42

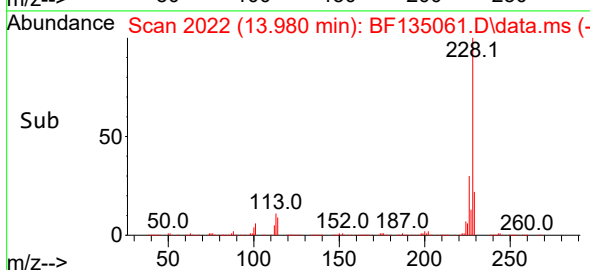
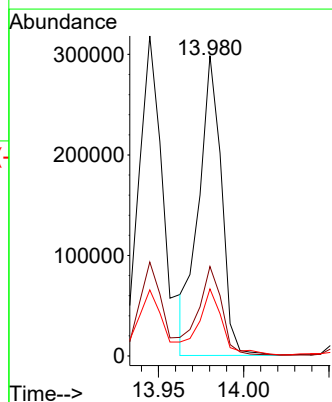
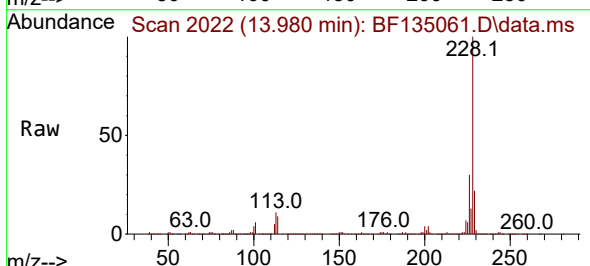
Tgt Ion:228 Resp: 276347

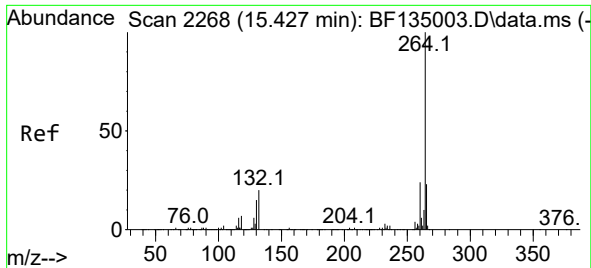
Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

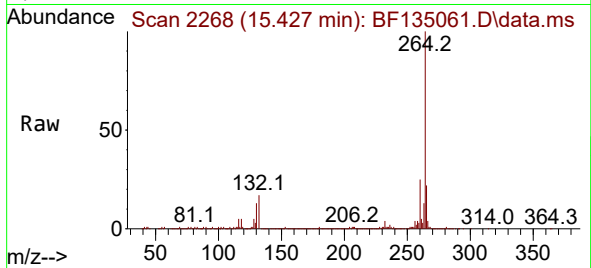
229 22.3 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

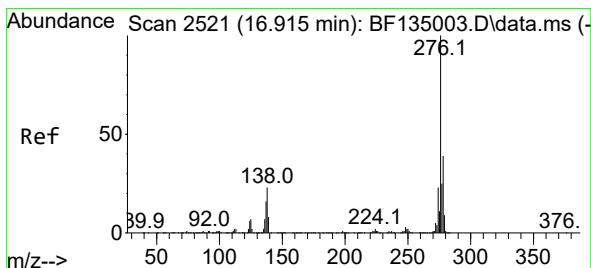
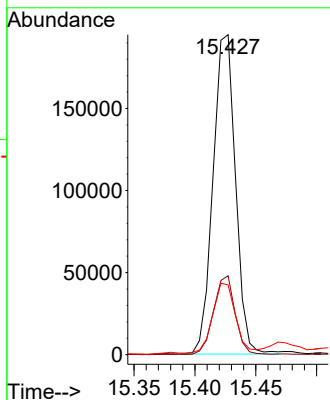
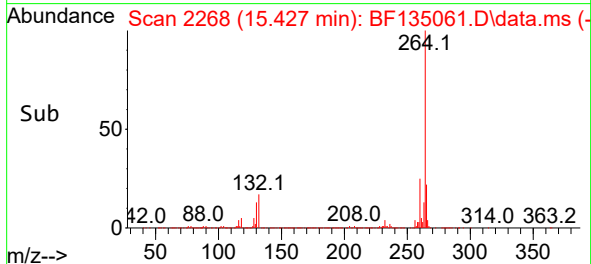
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion:264 Resp: 249620
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.6
265 21.8 18.2 27.2

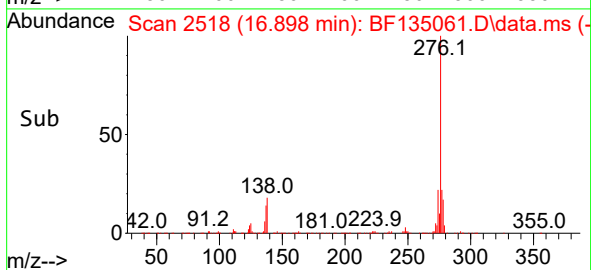
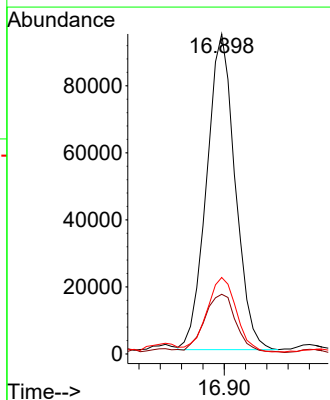
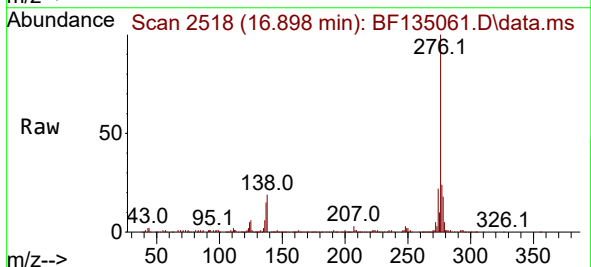
Manual Integrations
APPROVED

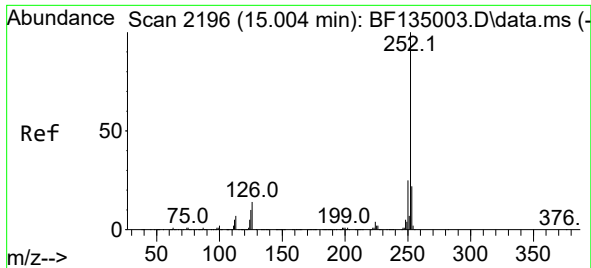
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.414 ng
RT: 16.898 min Scan# 2518
Delta R.T. -0.018 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

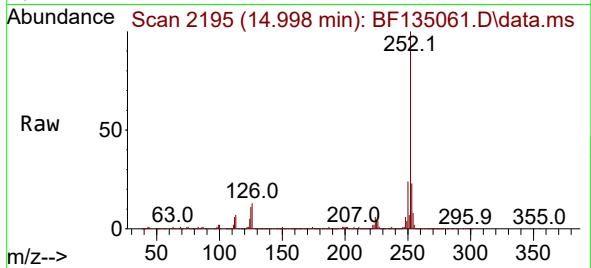
Tgt Ion:276 Resp: 175100
Ion Ratio Lower Upper
276 100
138 20.8 20.2 30.2
277 24.6 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 28.177 ng m
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

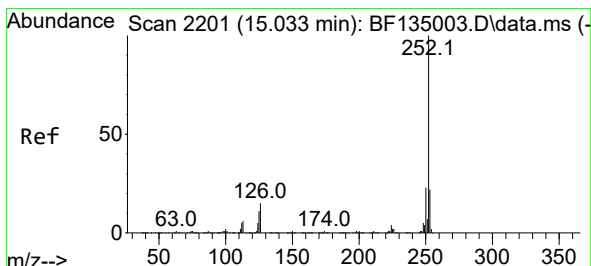
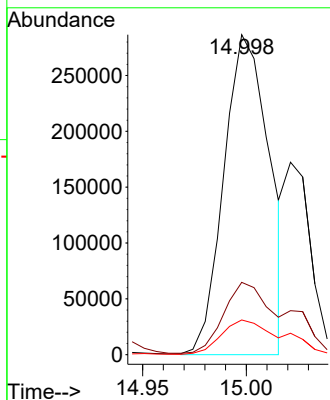
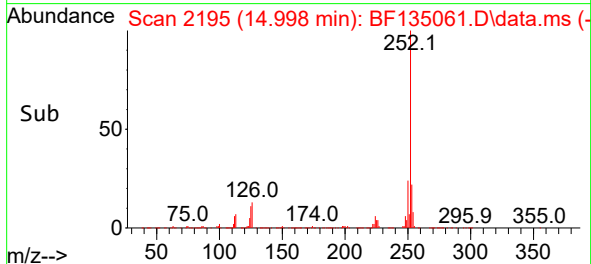
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion:252 Resp: 437650
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.8 8.4 12.6

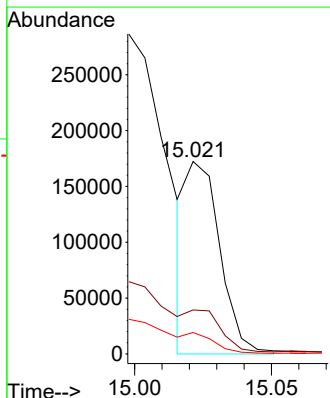
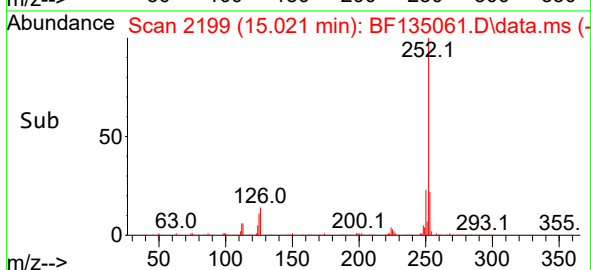
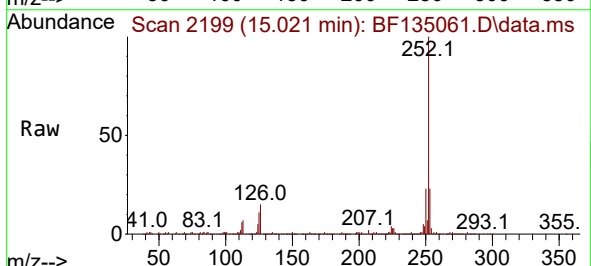
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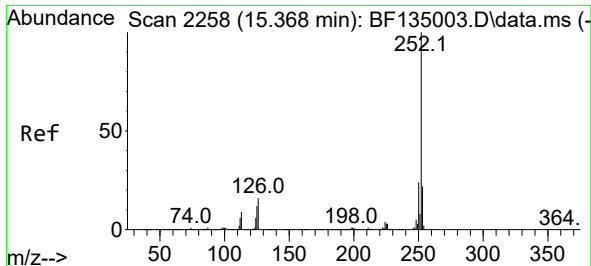
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#89
Benzo(k)fluoranthene
Concen: 9.783 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

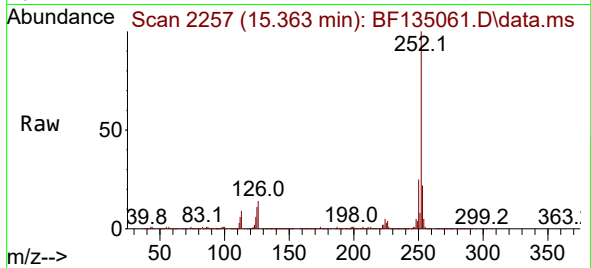
Tgt Ion:252 Resp: 146799
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 11.1 8.5 12.7





#90
Benzo(a)pyrene
Concen: 22.107 ng
RT: 15.363 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

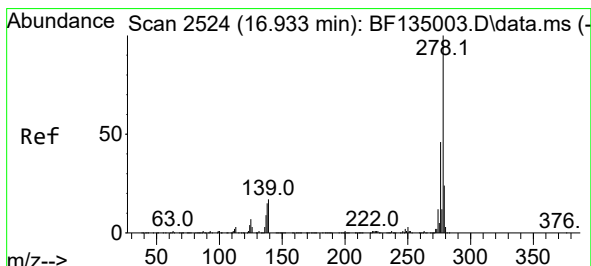
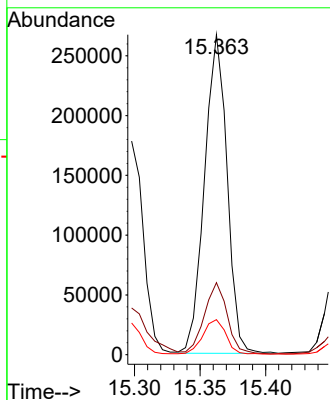
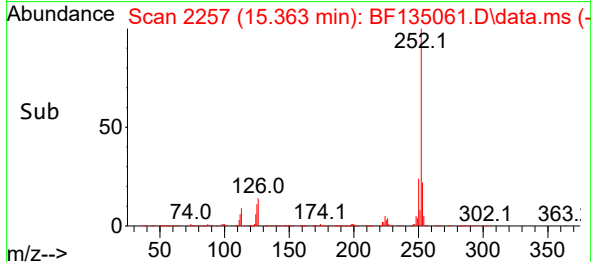
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion:252 Resp: 31898
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.9 9.5 14.3

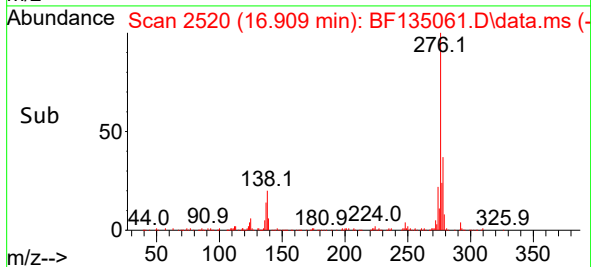
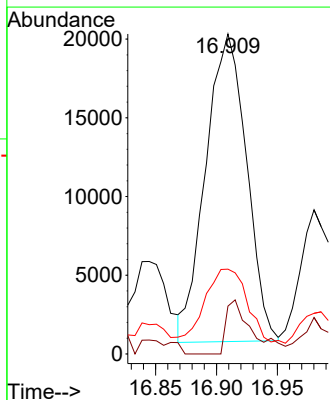
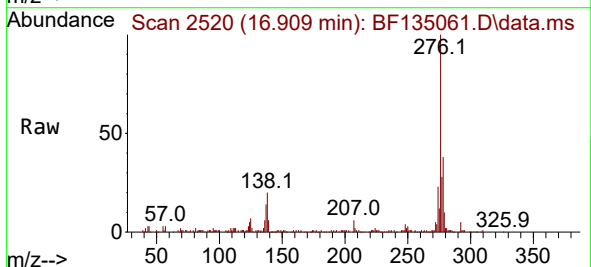
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APPROVED

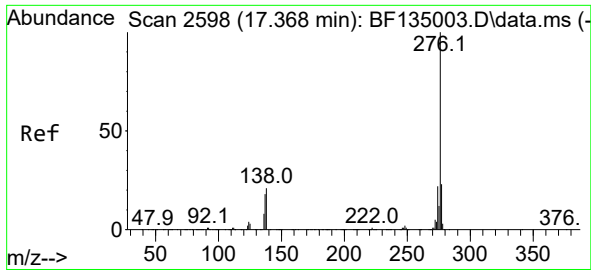
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.345 ng
RT: 16.909 min Scan# 2520
Delta R.T. -0.023 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:278 Resp: 45548
Ion Ratio Lower Upper
278 100
139 14.9 13.4 20.2
279 26.5 19.5 29.3





#92

Benzo(g,h,i)perylene

Concen: 10.104 ng

RT: 17.345 min Scan# 2594

Delta R.T. -0.023 min

Lab File: BF135061.D

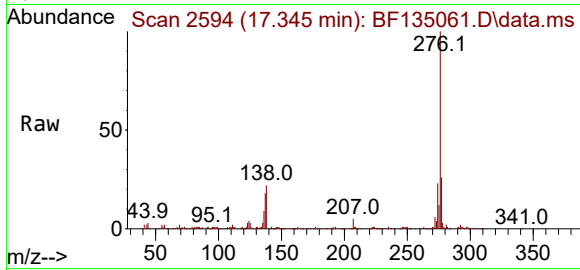
Acq: 01 Sep 2023 01:42

Instrument :

BNA_F

ClientSampleId :

WC-7



Tgt Ion:276 Resp: 14310

Ion Ratio Lower Upper

276 100

277 25.6 18.5 27.7

138 22.0 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023

