

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135122.D
 Acq On : 06 Sep 2023 06:35
 Operator : CG\JU
 Sample : 04219-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11939

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/06/2023
 Supervised By :mohammad ahmed 09/07/2023

Quant Time: Sep 06 07:28:53 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	6.775	152	111146	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	441491	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	199674	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	301888	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	208450	20.000	ng	0.00
86) Perylene-d12	15.427	264	174030	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	821028	114.100	ng	0.01
7) Phenol-d6	6.416	99	1005012	112.054	ng	0.00
23) Nitrobenzene-d5	7.339	82	638205	81.213	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	205220	96.888	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	1040509	84.841	ng	0.00
79) Terphenyl-d14	12.904	244	852298	66.724	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.110	266	7045	3.517	ng	93
71) Phenanthrene	11.321	178	187543	12.042	ng	98
72) Anthracene	11.374	178	47036	2.956	ng	98
75) Fluoranthene	12.521	202	470600	29.886	ng	99
78) Pyrene	12.751	202	356275	18.001	ng	100
81) Benzo(a)anthracene	13.945	228	174889	12.300	ng	94
83) Chrysene	13.986	228	211928	15.166	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	29687	4.012	ng	# 99
88) Benzo(b)fluoranthene	14.998	252	238780m	22.051	ng	
89) Benzo(k)fluoranthene	15.027	252	81965m	7.835	ng	
90) Benzo(a)pyrene	15.362	252	133730	13.294	ng	99
91) Dibenzo(a,h)anthracene	16.909	278	20233m	2.131	ng	
92) Benzo(g,h,i)perylene	17.356	276	104570	10.590	ng	95

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

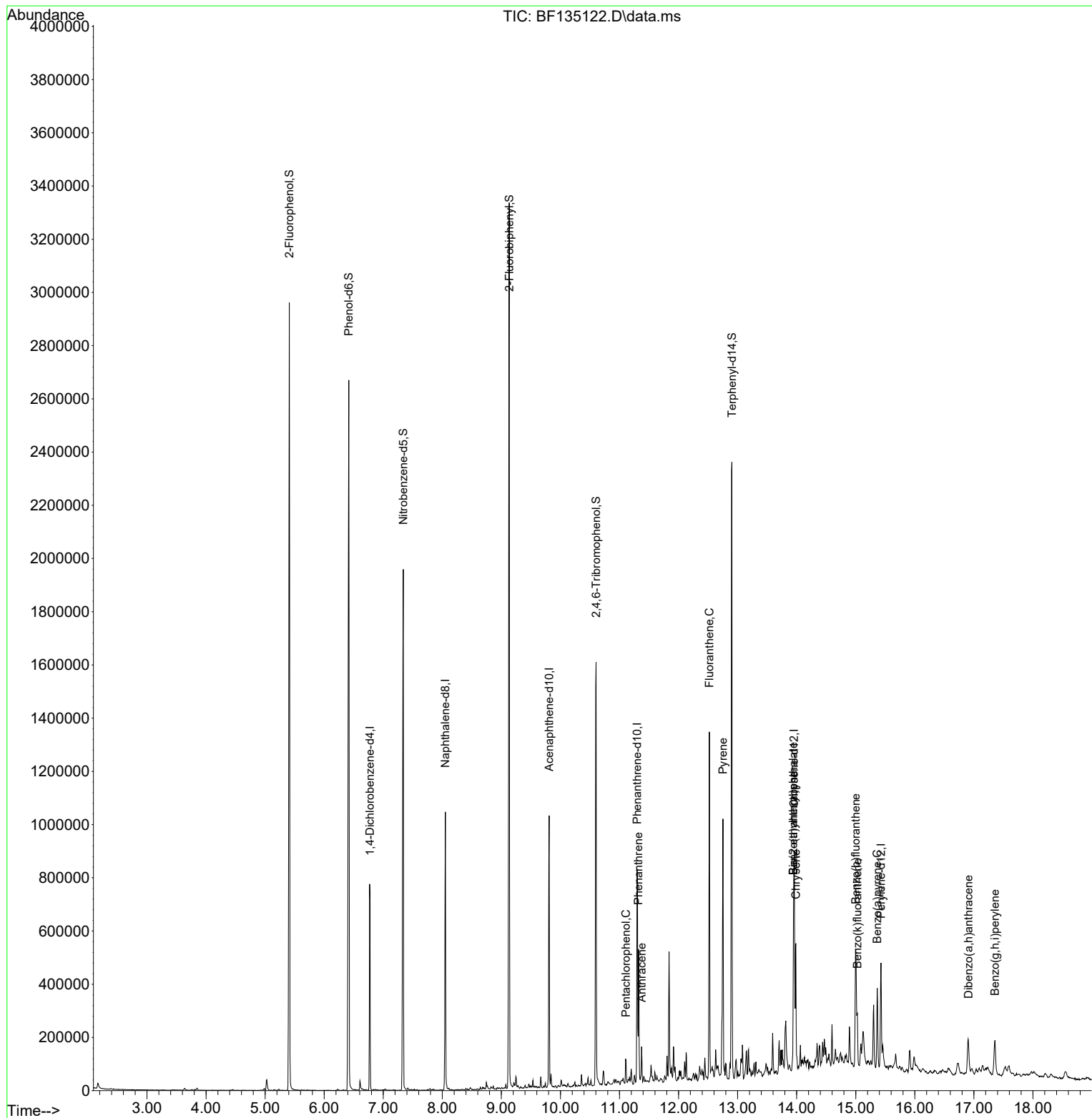
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135122.D
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ALS Vial : 33 Sample Multiplier: 1

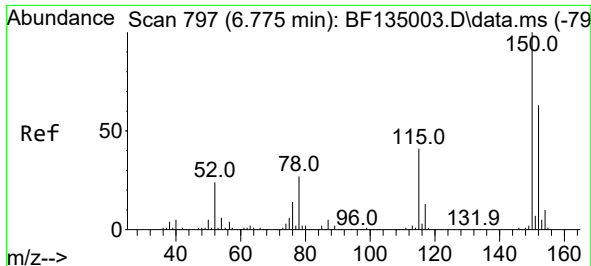
Instrument :
BNA_F
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72-11939

Quant Time: Sep 06 07:28:53 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

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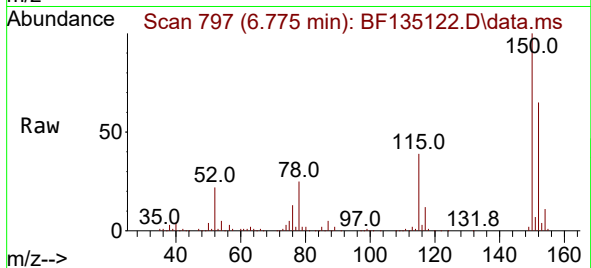
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

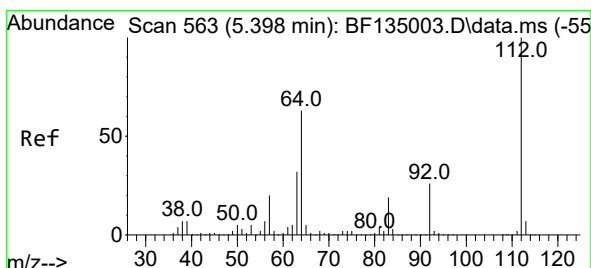
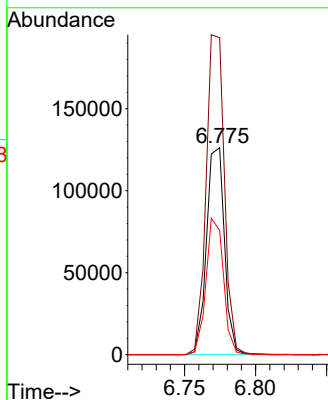
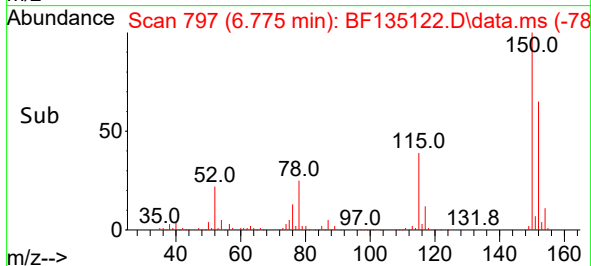
Instrument :
BNA_F
ClientSampleId :
72-11939



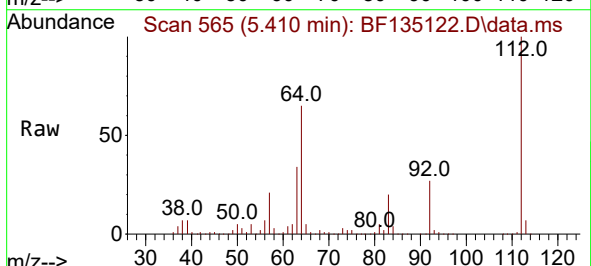
Tgt Ion:152 Resp: 111140
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.4
115 60.1 51.2 76.8

Manual Integrations
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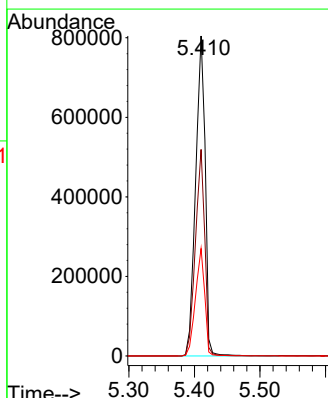
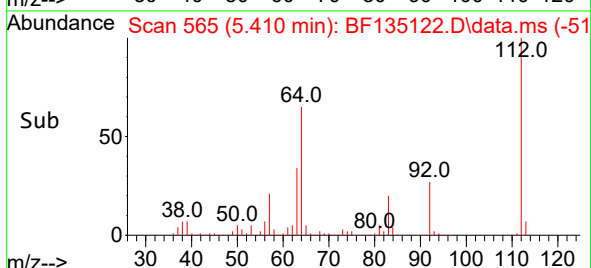
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

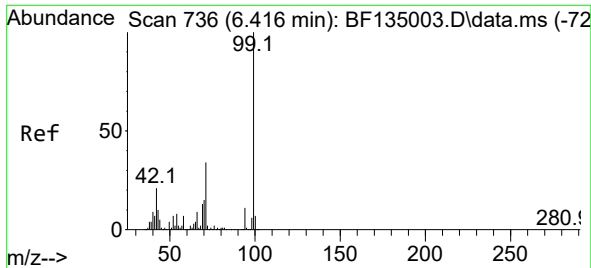


#5
2-Fluorophenol
Concen: 114.100 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.012 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35



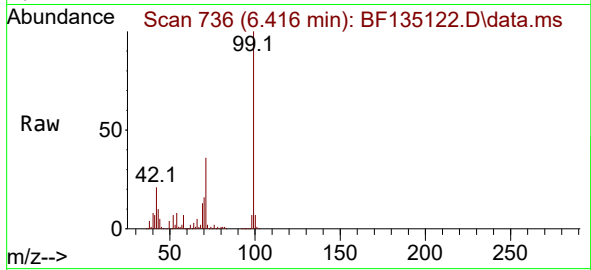
Tgt Ion:112 Resp: 821028
Ion Ratio Lower Upper
112 100
64 64.5 50.5 75.7
63 33.6 25.9 38.9





#7
Phenol-d6
Concen: 112.054 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

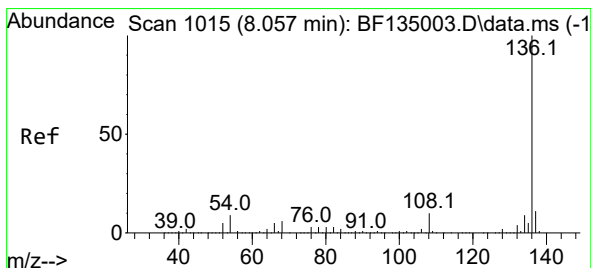
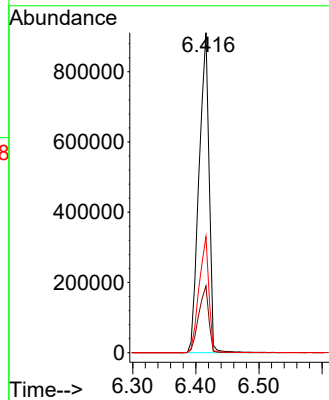
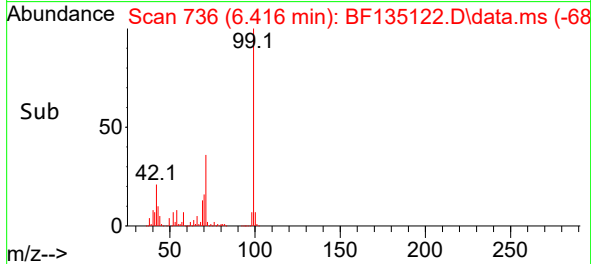
Instrument :
BNA_F
ClientSampleId :
72-11939



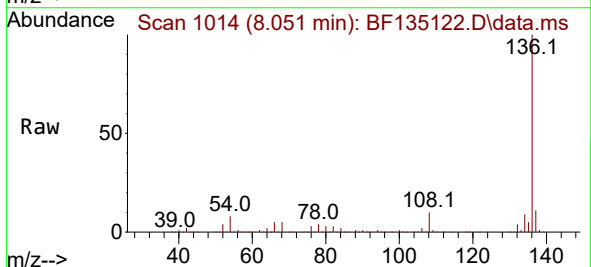
Tgt Ion: 99 Resp: 100501
Ion Ratio Lower Upper
99 100
42 20.9 16.6 25.0
71 36.2 27.0 40.6

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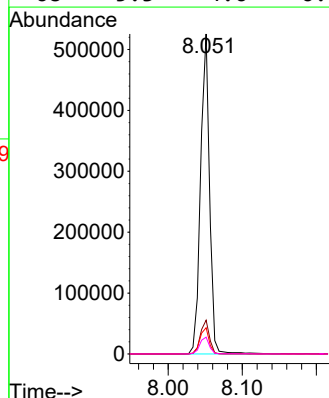
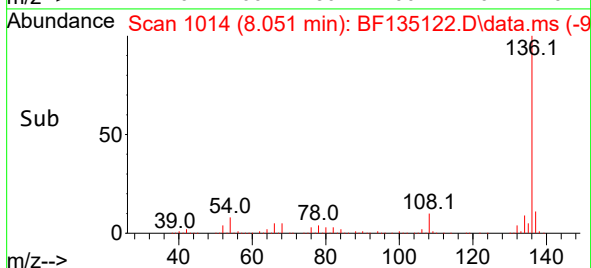
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

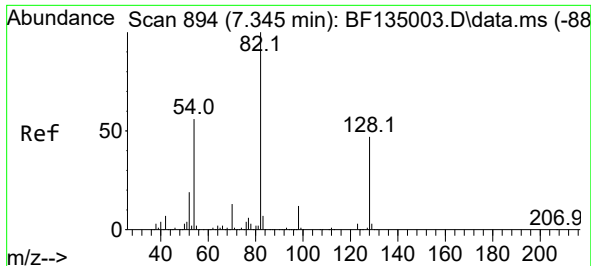


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35



Tgt Ion:136 Resp: 441491
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.2 7.0 10.4
68 5.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 81.213 ng

RT: 7.339 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF135122.D

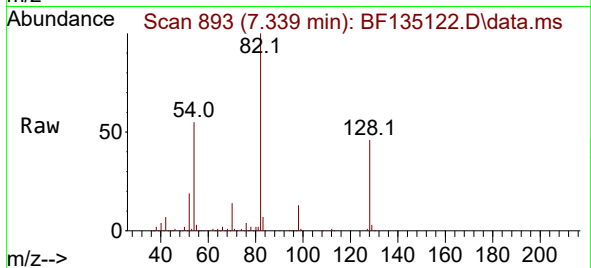
Acq: 06 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

72-11939



Tgt Ion: 82 Resp: 63820

Ion Ratio Lower Upper

82 100

128 45.6 37.8 56.8

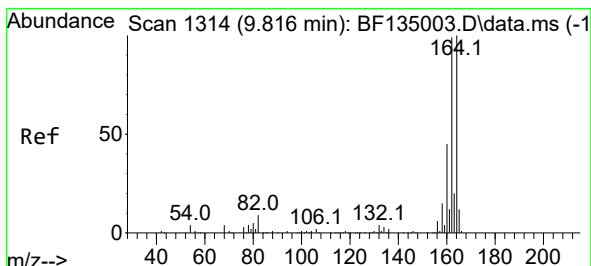
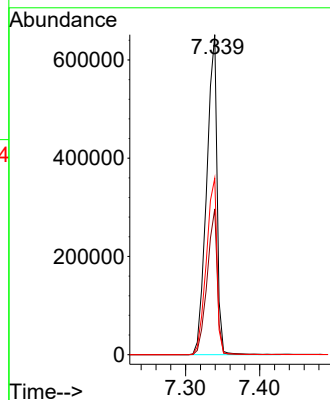
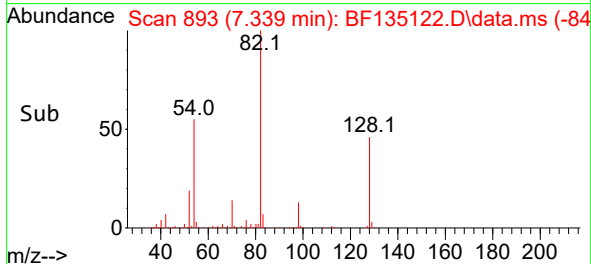
54 55.2 45.0 67.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

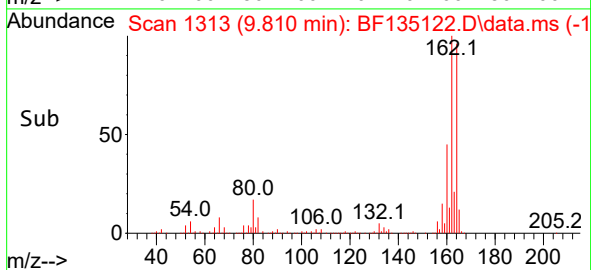
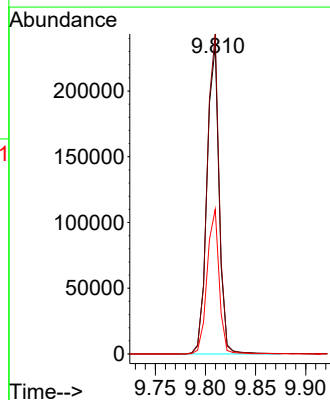
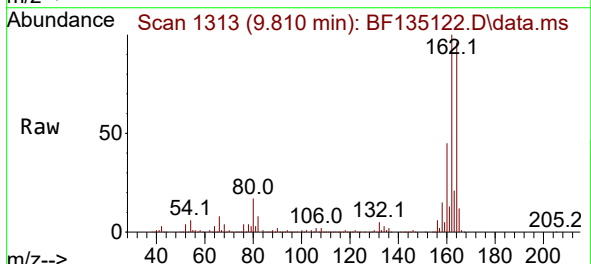
Tgt Ion:164 Resp: 199674

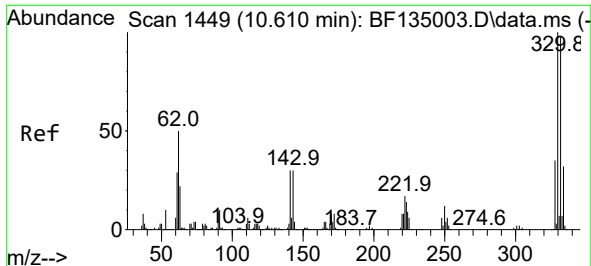
Ion Ratio Lower Upper

164 100

162 103.7 79.5 119.3

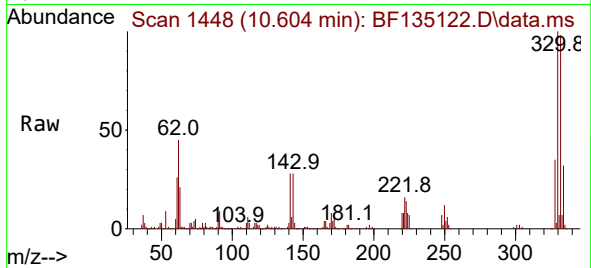
160 46.9 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 96.888 ng
RT: 10.604 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

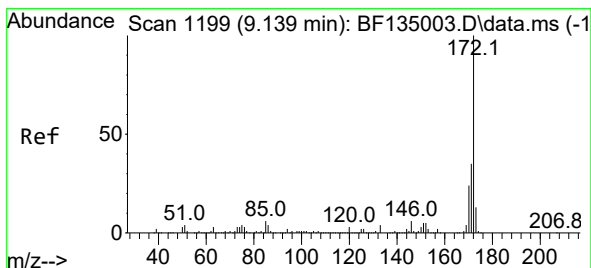
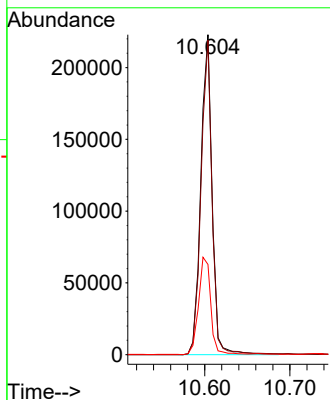
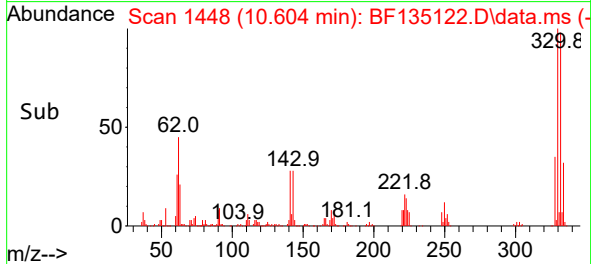
Instrument :
BNA_F
ClientSampleId :
72-11939



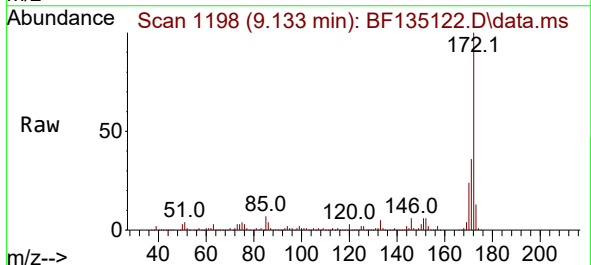
Tgt Ion: 330 Resp: 205220
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 33.0 26.3 39.5

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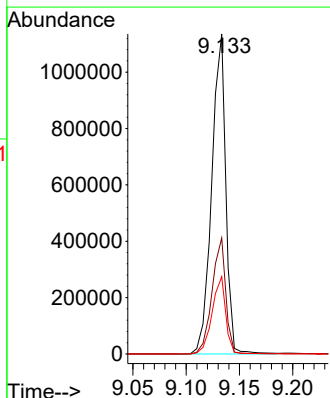
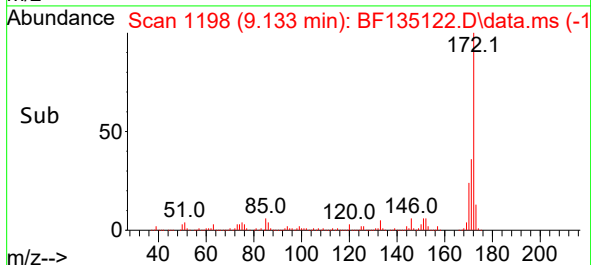
Reviewed By : Yogesh Patel 09/06/2023
Supervised By : mohammad ahmed 09/07/2023

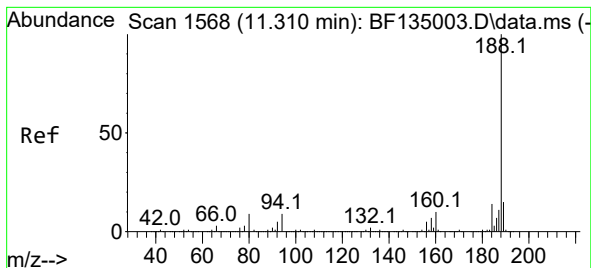


#45
2-Fluorobiphenyl
Concen: 84.841 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35



Tgt Ion: 172 Resp: 1040509
Ion Ratio Lower Upper
172 100
171 36.2 28.2 42.2
170 24.1 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1566

Delta R.T. -0.012 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

72-11939

Tgt Ion:188 Resp: 30188

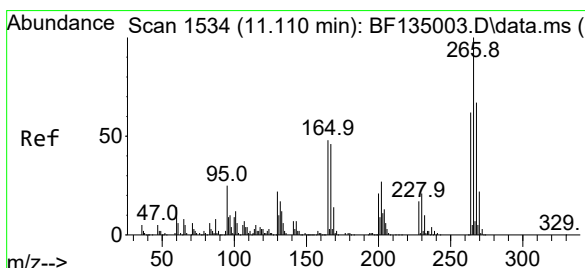
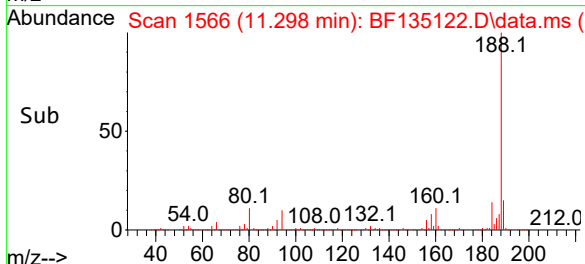
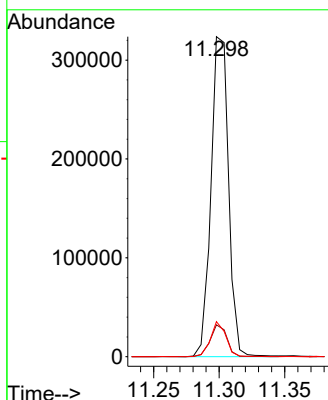
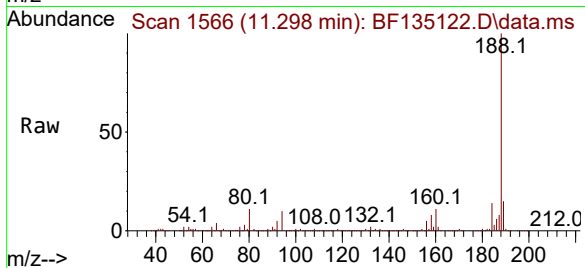
Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.0	10.4
80	10.9	7.4	11.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/06/2023

Supervised By :mohammad ahmed 09/07/2023



#70

Pentachlorophenol

Concen: 3.517 ng

RT: 11.110 min Scan# 1534

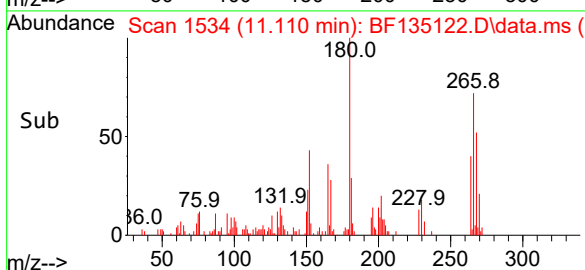
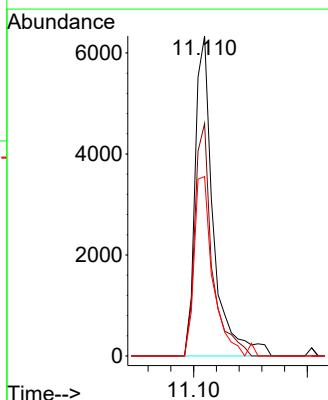
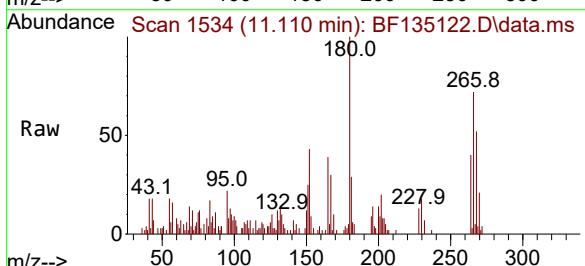
Delta R.T. -0.000 min

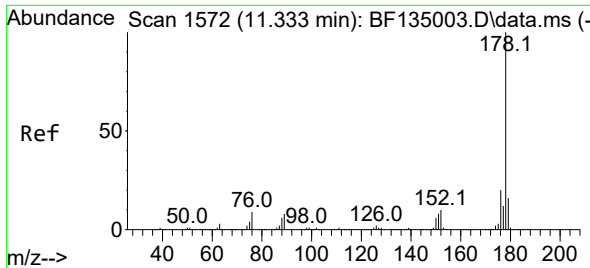
Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

Tgt Ion:266 Resp: 7045

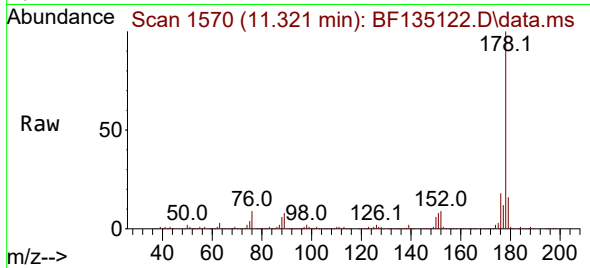
Ion	Ratio	Lower	Upper
266	100		
268	72.7	53.3	79.9
264	56.1	49.3	73.9





#71
Phenanthrene
Concen: 12.042 ng
RT: 11.321 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

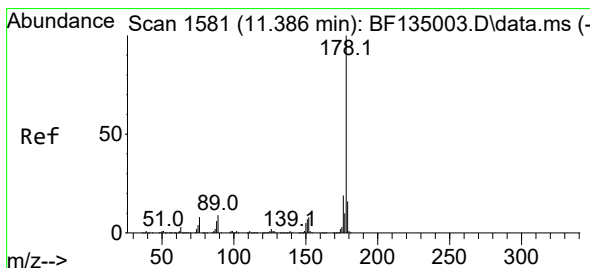
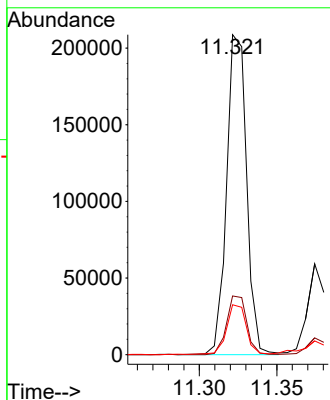
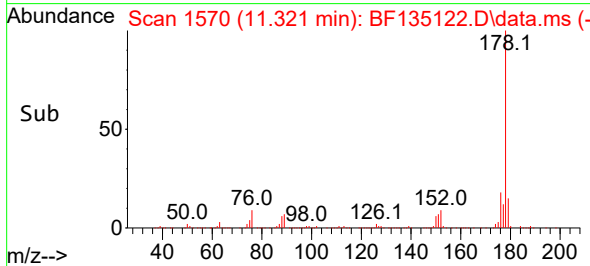
Instrument :
BNA_F
ClientSampleId :
72-11939



Tgt Ion:178 Resp: 18754
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.6 12.5 18.7

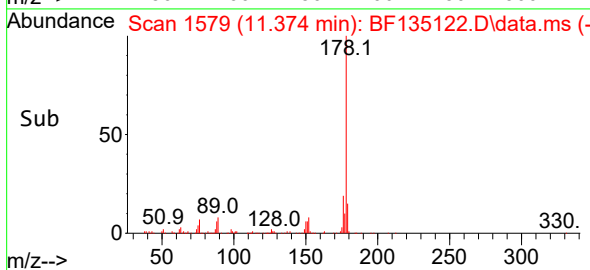
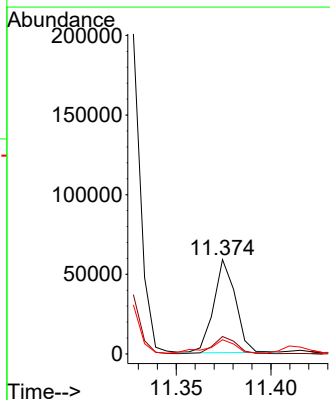
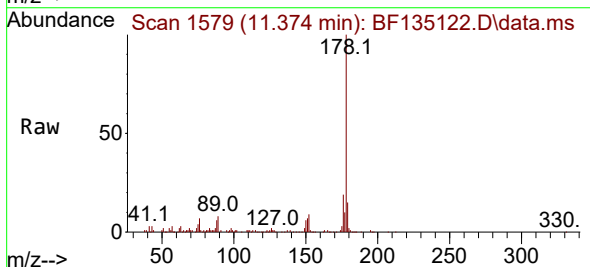
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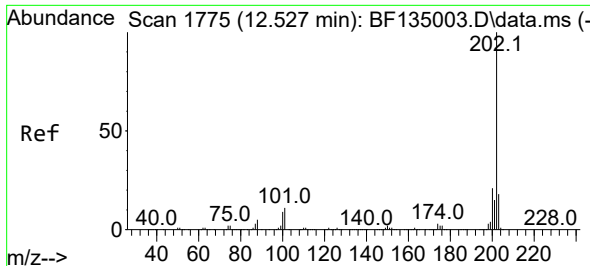
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#72
Anthracene
Concen: 2.956 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

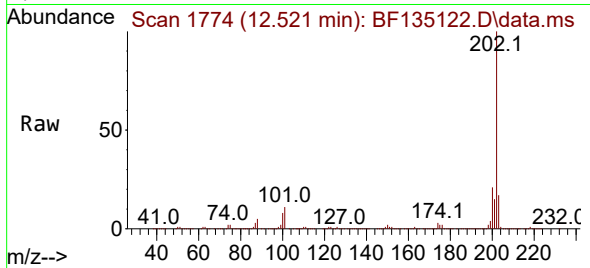
Tgt Ion:178 Resp: 47036
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.1 12.8 19.2





#75
Fluoranthene
Concen: 29.886 ng
RT: 12.521 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

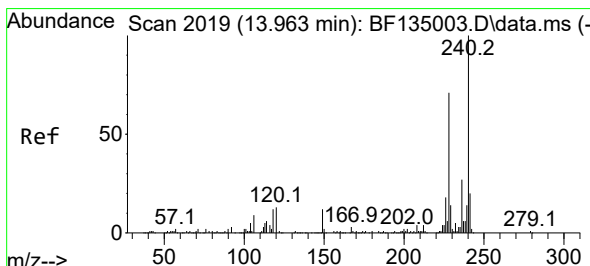
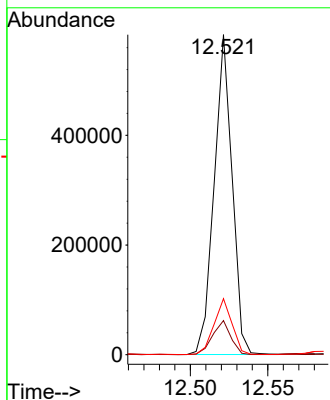
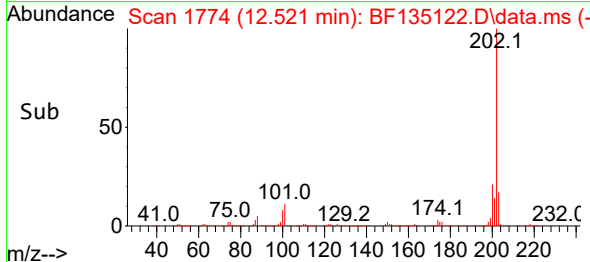
Instrument :
BNA_F
ClientSampleId :
72-11939



Tgt Ion:202 Resp: 470600
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.5
203 17.5 0.0 37.8

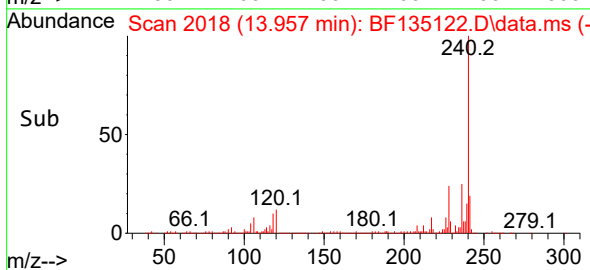
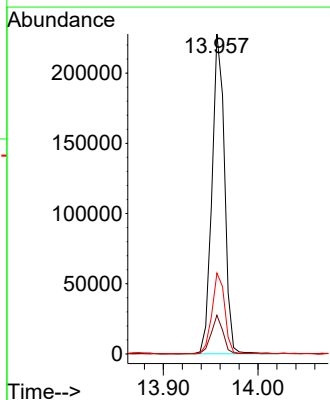
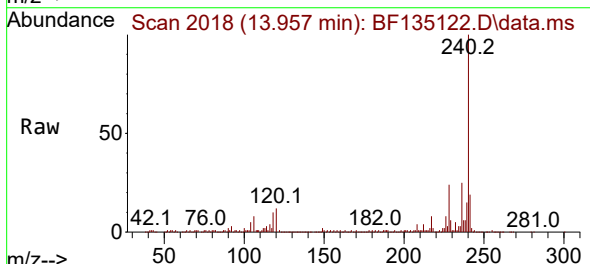
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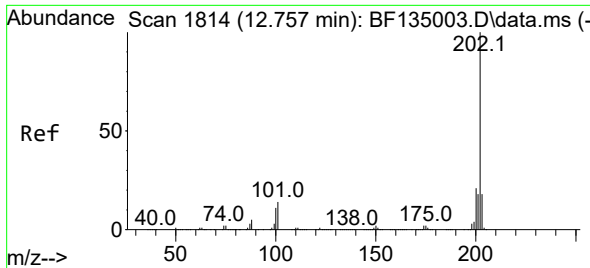
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

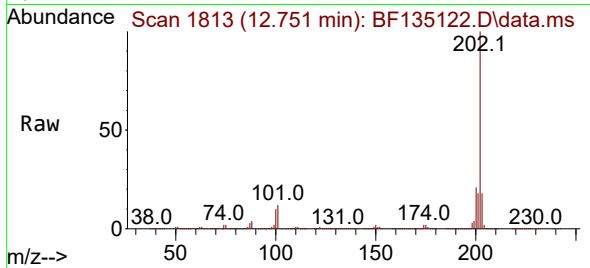
Tgt Ion:240 Resp: 208450
Ion Ratio Lower Upper
240 100
120 12.1 10.2 15.2
236 25.3 21.3 31.9





#78
Pyrene
Concen: 18.001 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

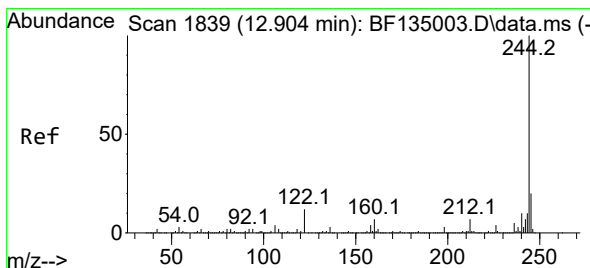
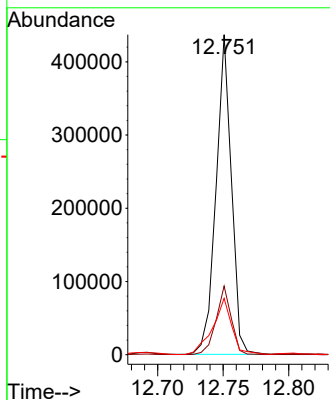
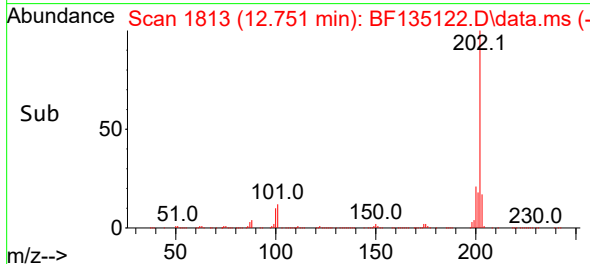
Instrument :
BNA_F
ClientSampleId :
72-11939



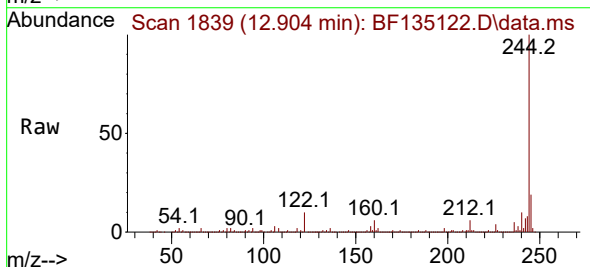
Tgt Ion:202 Resp: 356275
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.6 14.2 21.2

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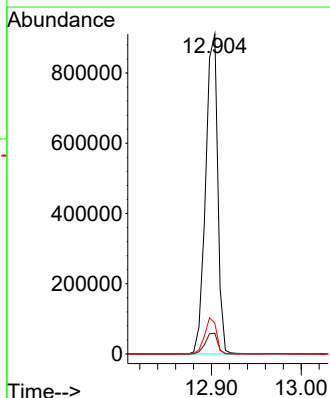
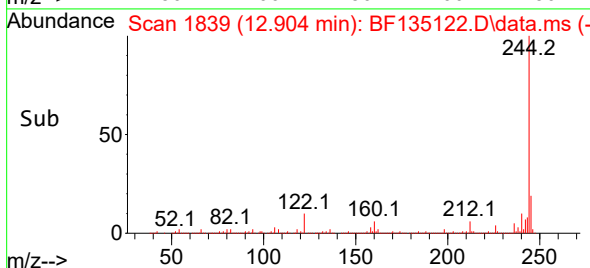
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

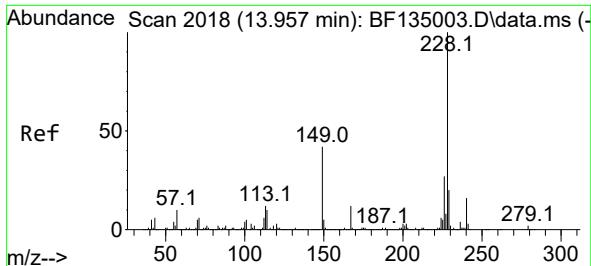


#79
Terphenyl-d14
Concen: 66.724 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35



Tgt Ion:244 Resp: 852298
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 9.6 9.8 14.6#





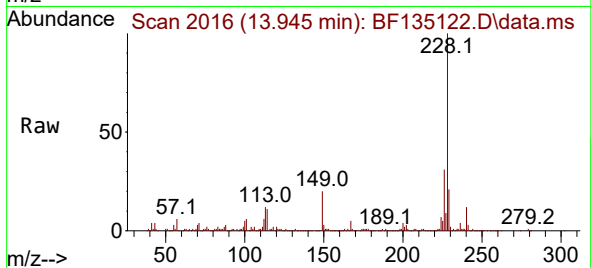
#81
Benzo(a)anthracene
Concen: 12.300 ng
RT: 13.945 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

72-11939

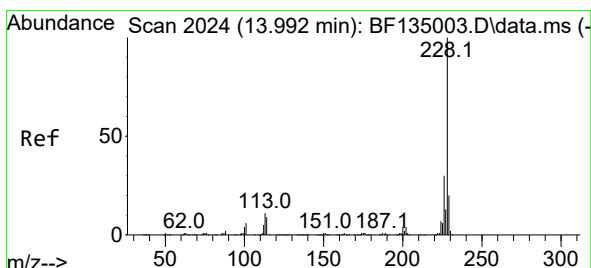
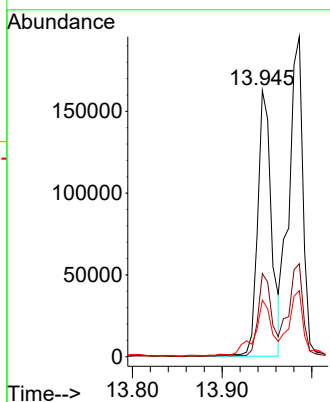
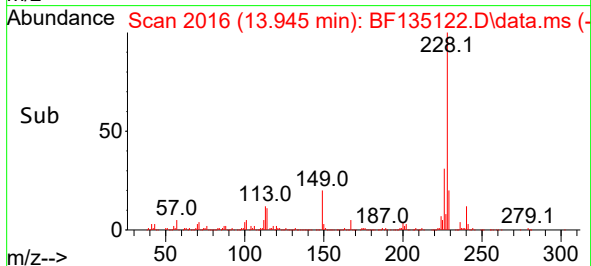


Tgt Ion:228 Resp: 174889
Ion Ratio Lower Upper
228 100
226 31.2 21.6 32.4
229 21.2 15.6 23.4

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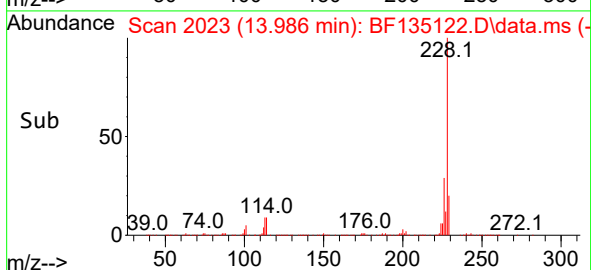
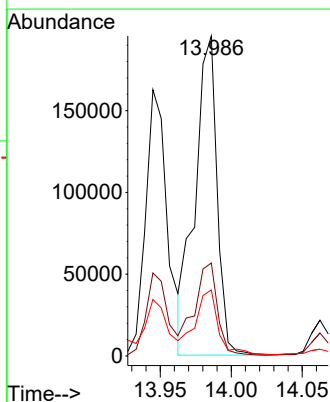
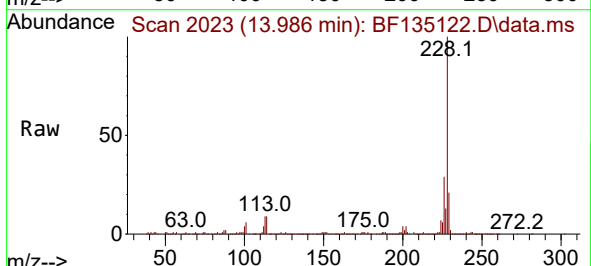
APPROVED

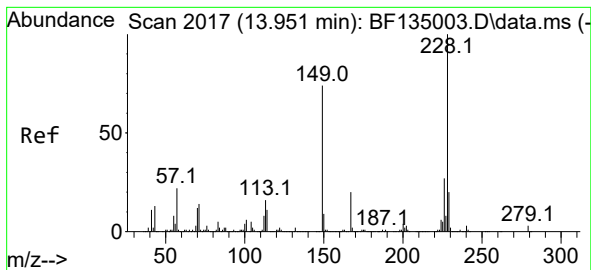
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#83
Chrysene
Concen: 15.166 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

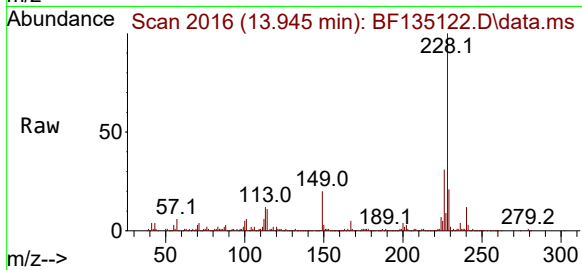
Tgt Ion:228 Resp: 211928
Ion Ratio Lower Upper
228 100
226 29.1 24.2 36.4
229 20.7 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.012 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

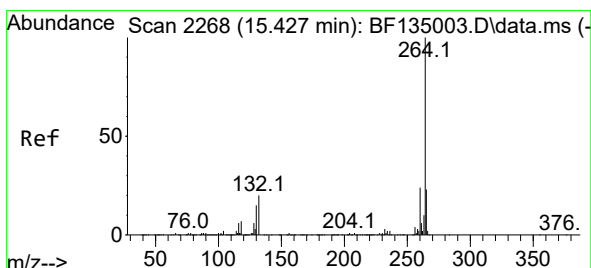
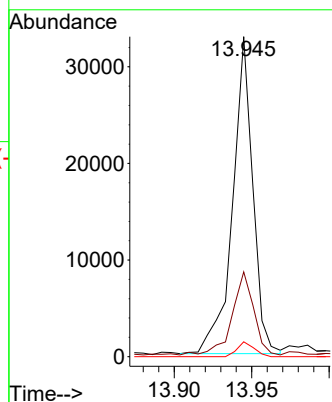
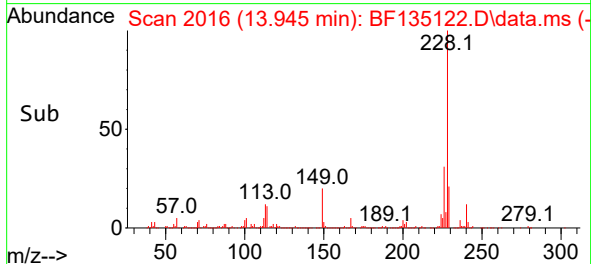
Instrument :
BNA_F
ClientSampleId :
72-11939



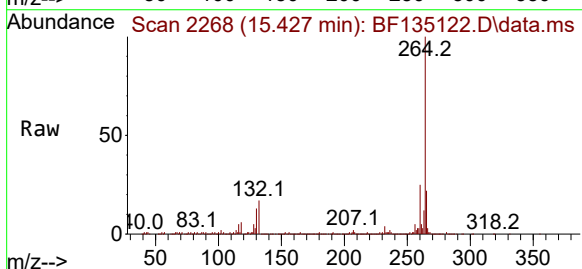
Tgt Ion:149 Resp: 2968
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 4.6 3.0 4.6

Manual Integrations
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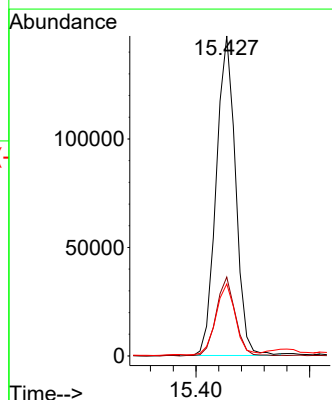
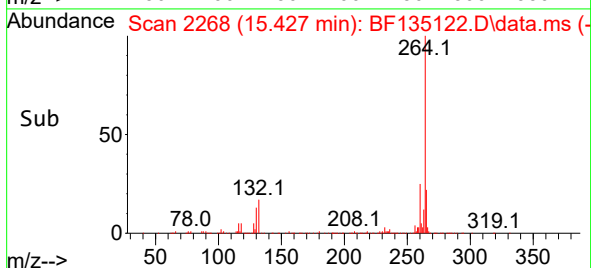
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

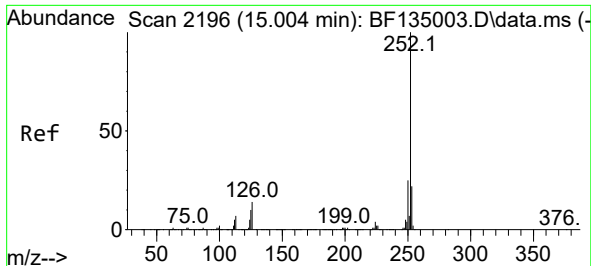


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35



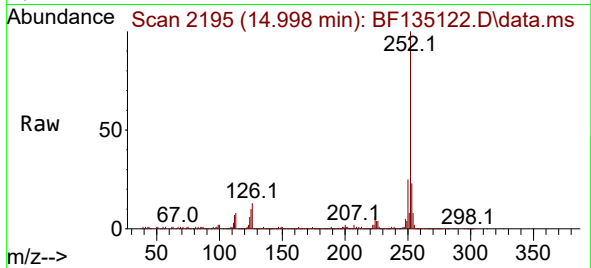
Tgt Ion:264 Resp: 174030
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 22.5 18.2 27.2





#88
Benzo(b)fluoranthene
Concen: 22.051 ng m
RT: 14.998 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

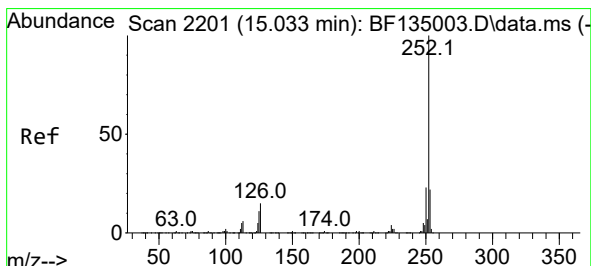
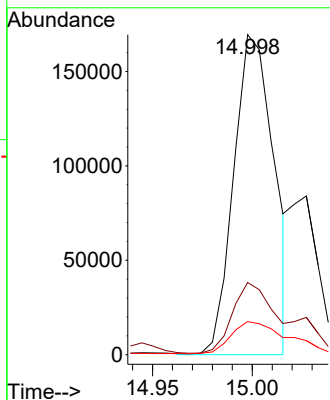
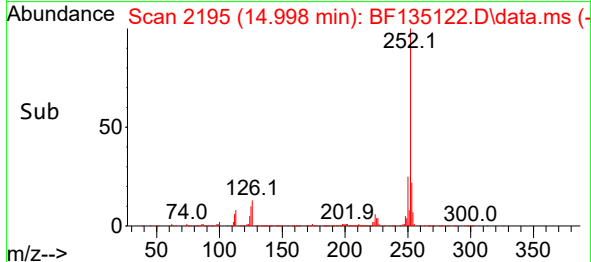
Instrument :
BNA_F
ClientSampleId :
72-11939



Tgt Ion:252 Resp: 238780
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.4 8.4 12.6

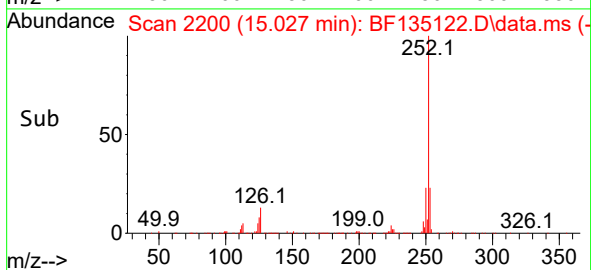
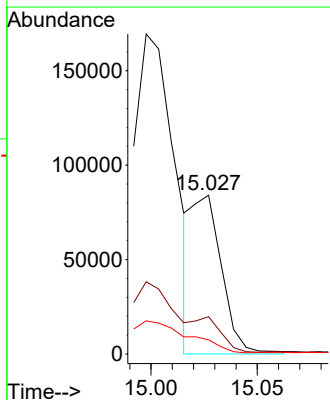
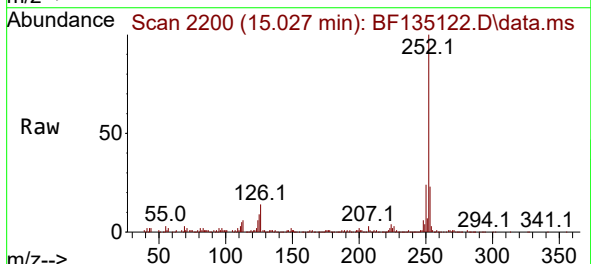
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APPROVED

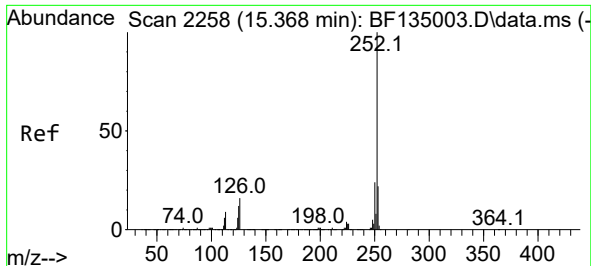
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#89
Benzo(k)fluoranthene
Concen: 7.835 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

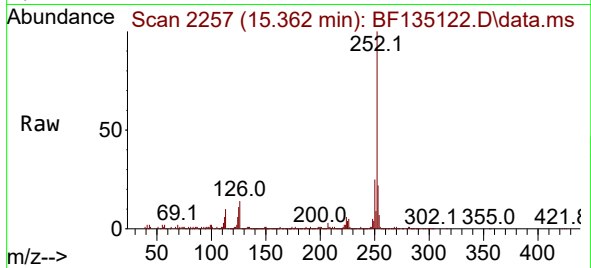
Tgt Ion:252 Resp: 81965
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 8.9 8.5 12.7





#90
Benzo(a)pyrene
Concen: 13.294 ng
RT: 15.362 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

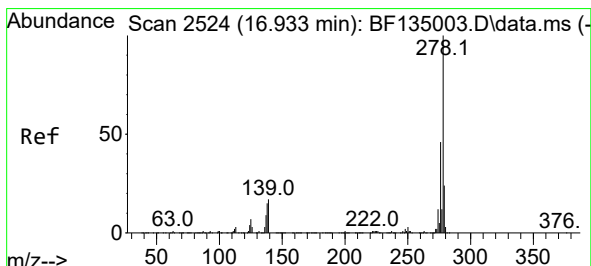
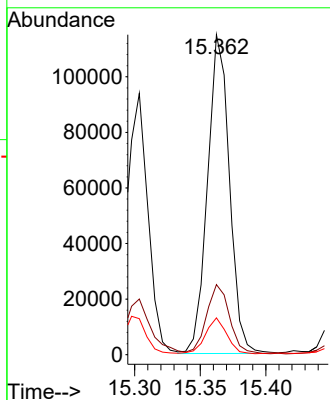
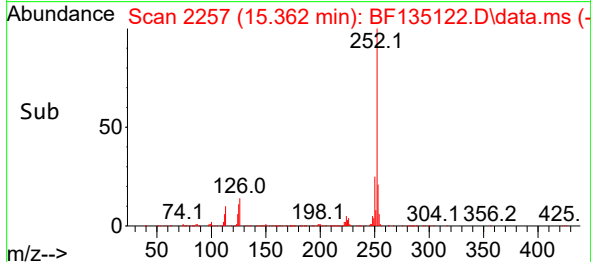
Instrument :
BNA_F
ClientSampleId :
72-11939



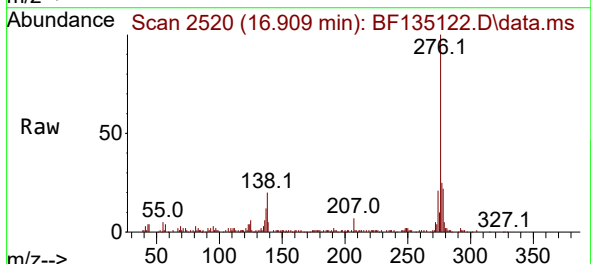
Tgt Ion:252 Resp: 133730
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 11.5 9.5 14.3

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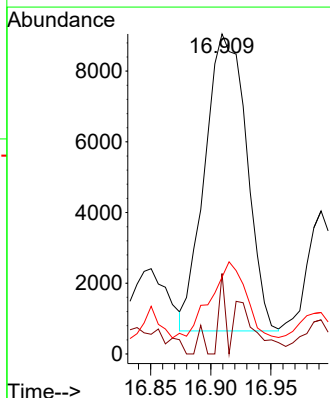
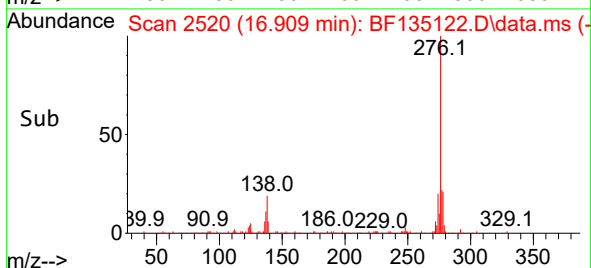
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

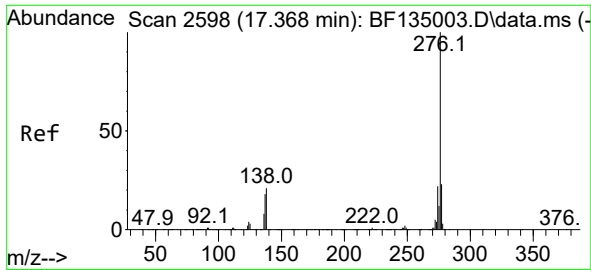


#91
Dibenzo(a,h)anthracene
Concen: 2.131 ng m
RT: 16.909 min Scan# 2520
Delta R.T. -0.024 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35



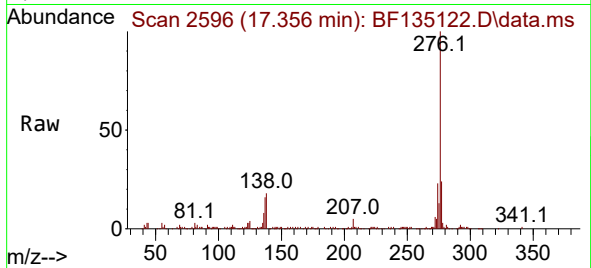
Tgt Ion:278 Resp: 20233
Ion Ratio Lower Upper
278 100
139 25.1 13.4 20.2#
279 24.0 19.5 29.3





#92
Benzo(g,h,i)perylene
Concen: 10.590 ng
RT: 17.356 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Instrument :
BNA_F
ClientSampleId :
72-11939



Tgt Ion:276 Resp: 104570
Ion Ratio Lower Upper
276 100
277 24.2 18.5 27.7
138 17.9 17.1 25.7

Manual Integrations
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Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

