

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015661.D
 Acq On : 22 Jun 2023 22:59
 Operator : MA/JU
 Sample : 03083-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFL2

Manual Integrations
 APPROVED

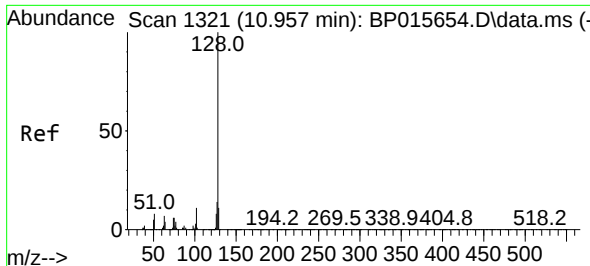
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 23 00:07:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	104713	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	365223	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.734	164	210031	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.498	188	465708	20.000	ng/u1	0.00
79) Chrysene-d12	21.604	240	454548	20.000	ng/u1	0.02
88) Perylene-d12	24.174	264	627346m	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	7825	2.767	ng/uL	0.00
4) Pyridine-d5	3.870	84	15970	2.174	ng/u1	0.03
7) Phenol-d5	7.252	99	159034	16.486	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.405	67	95744	16.619	ng/u1	0.00
11) 2-Chlorophenol-d4	7.611	132	137599	19.673	ng/u1	0.00
15) 4-Methylphenol-d8	8.810	113	122046	15.415	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	60651	21.152	ng/u1	0.00
24) 2-Nitrophenol-d4	9.993	143	70400	21.499	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.546	165	120119	20.110	ng/u1	0.01
31) 4-Chloroaniline-d4	11.069	131	105558	12.312	ng/u1	0.02
46) Dimethylphthalate-d6	14.134	166	401171	24.222	ng/u1	0.00
49) Acenaphthylene-d8	14.428	160	458071	25.294	ng/u1	0.00
54) 4-Nitrophenol-d4	14.975	143	32080	10.816	ng/u1	0.02
60) Fluorene-d10	15.728	176	346625	24.818	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.881	200	28339	9.605	ng/u1	0.02
73) Anthracene-d10	17.598	188	558612	26.363	ng/u1	0.00
81) Pyrene-d10	19.828	212	651118	26.764	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.010	264	751049m	23.860	ng/u1	0.04
Target Compounds					Qvalue	
30) Naphthalene	10.963	128	153416	7.752	ng/u1	99
36) 2-Methylnaphthalene	12.569	142	57227	4.113	ng/u1	97
37) 1-Methylnaphthalene	12.781	142	61843	4.415	ng/u1	98
50) Acenaphthylene	14.457	152	144268	7.194	ng/u1	97
52) Acenaphthene	14.798	153	396000	28.565	ng/u1	99
61) Fluorene	15.781	166	381992	23.849	ng/u1	98
72) Phenanthrene	17.551	178	7459224	298.467	ng/u1	99
74) Anthracene	17.634	178	1963311	77.425	ng/u1	100
80) Fluoranthene	19.516	202	15076635	508.761	ng/u1	98
82) Pyrene	19.875	202	13172675	429.655	ng/u1#	94
85) Benzo(a)anthracene	21.586	228	9080023	285.747	ng/u1	97
87) Chrysene	21.645	228	8147009m	271.245	ng/u1	
90) Benzo(b)fluoranthene	23.404	252	12149756m	300.029	ng/u1	
91) Benzo(k)fluoranthene	23.439	252	4064926m	103.843	ng/u1	
93) Benzo(a)pyrene	24.080	252	8141495m	230.598	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.933	276	5866890m	128.401	ng/u1	
95) Dibenzo(a,h)anthracene	26.927	278	1770608m	47.565	ng/u1	
96) Benzo(g,h,i)perylene	27.786	276	5093047m	135.256	ng/u1	

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



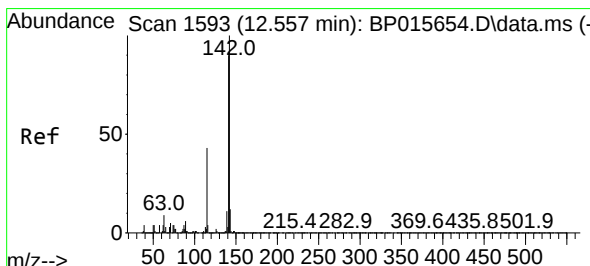
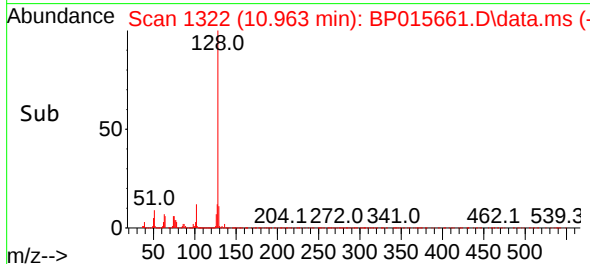
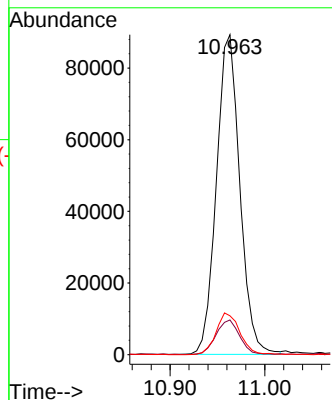
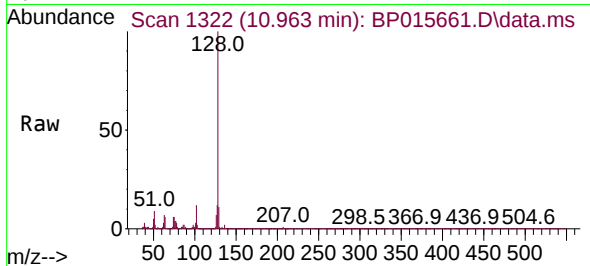
#30
Naphthalene
Concen: 7.752 ng/ul
RT: 10.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BP015661.D
Acq: 22 Jun 2023 22:59

Instrument :
BNA_P
ClientSampleId :
DCFL2

Tgt Ion:128 Resp: 153410
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.1 10.5 15.7

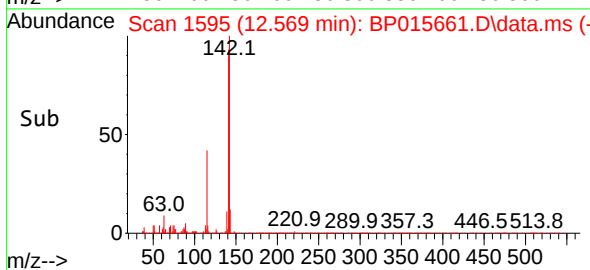
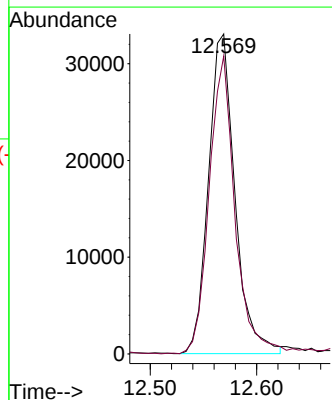
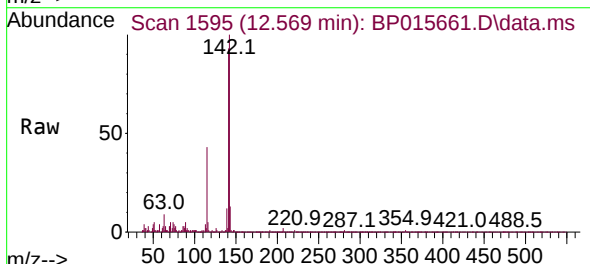
Manual Integrations
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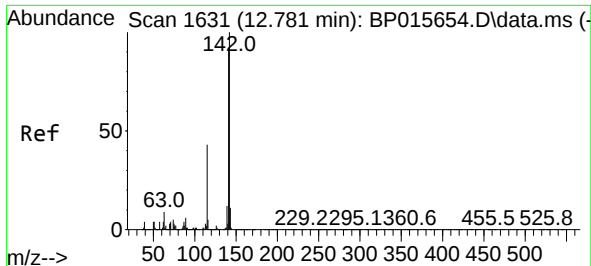
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#36
2-Methylnaphthalene
Concen: 4.113 ng/ul
RT: 12.569 min Scan# 1595
Delta R.T. 0.006 min
Lab File: BP015661.D
Acq: 22 Jun 2023 22:59

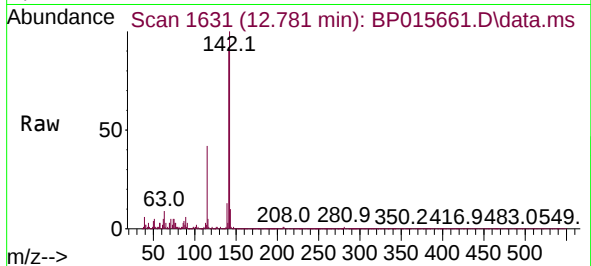
Tgt Ion:142 Resp: 57227
Ion Ratio Lower Upper
142 100
141 93.1 72.0 108.0





#37
1-Methylnaphthalene
Concen: 4.415 ng/ul
RT: 12.781 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BP015661.D
Acq: 22 Jun 2023 22:59

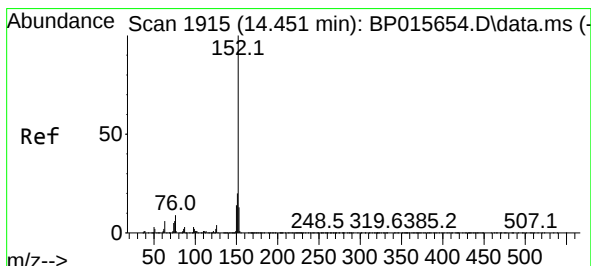
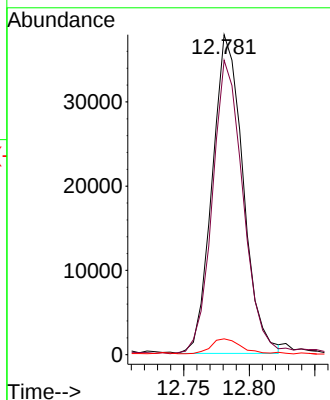
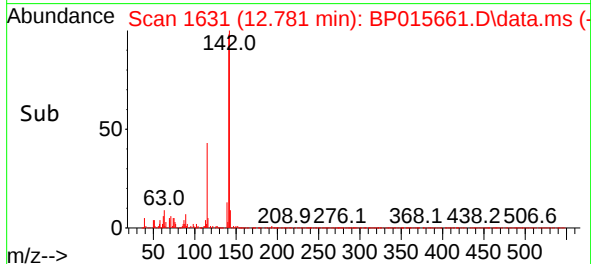
Instrument :
BNA_P
ClientSampleId :
DCFL2



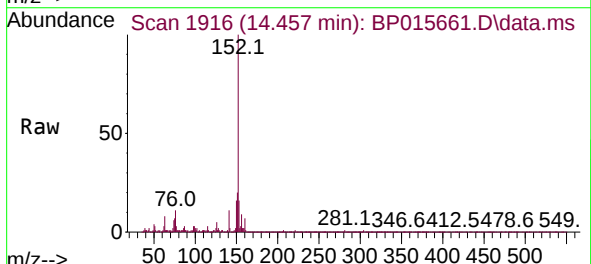
Tgt Ion:142 Resp: 6184
Ion Ratio Lower Upper
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141 92.0 71.9 107.9
116 5.0 3.4 5.2

Manual Integrations
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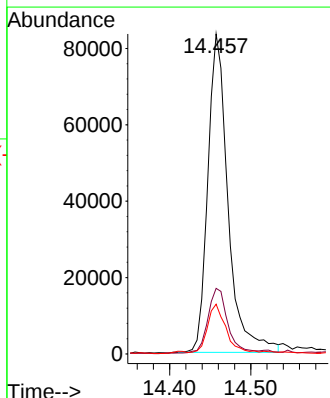
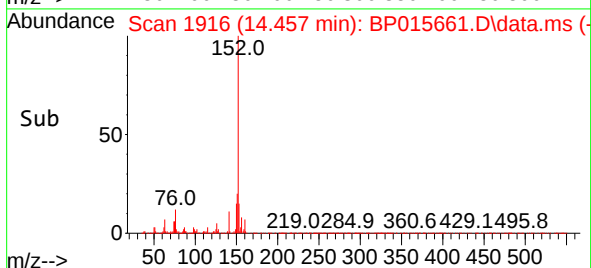
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

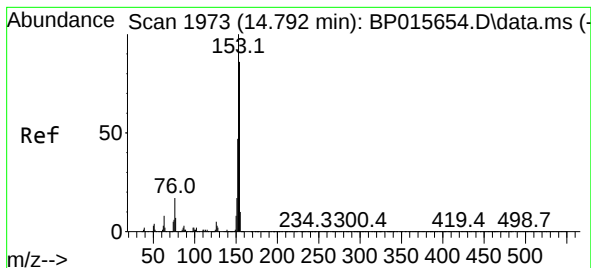


#50
Acenaphthylene
Concen: 7.194 ng/ul
RT: 14.457 min Scan# 1916
Delta R.T. 0.006 min
Lab File: BP015661.D
Acq: 22 Jun 2023 22:59



Tgt Ion:152 Resp: 144268
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 15.6 10.6 15.8





#52

Acenaphthene

Concen: 28.565 ng/ul

RT: 14.798 min Scan# 1974

Delta R.T. 0.006 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

Instrument :

BNA_P

ClientSampleId :

DCFL2

Tgt Ion:153 Resp: 396000

Ion Ratio Lower Upper

153 100

152 45.9 38.3 57.5

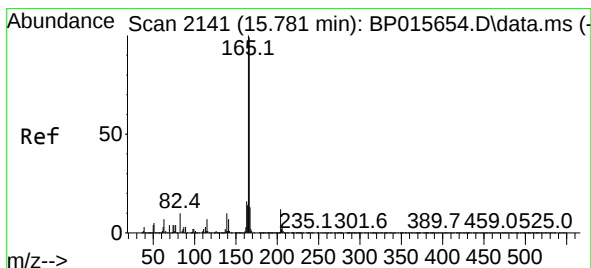
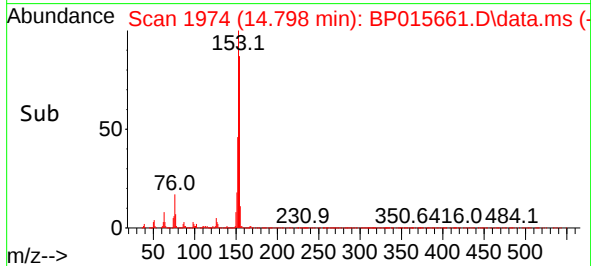
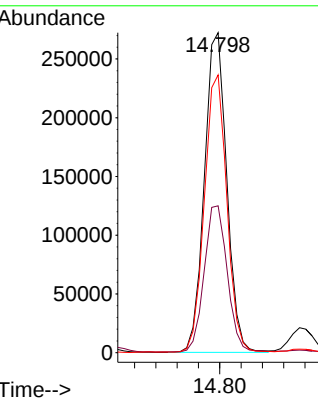
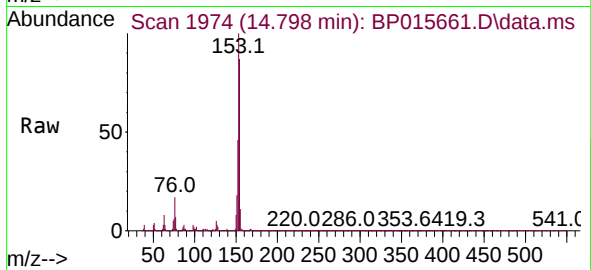
154 86.8 69.8 104.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#61

Fluorene

Concen: 23.849 ng/ul

RT: 15.781 min Scan# 2141

Delta R.T. 0.000 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

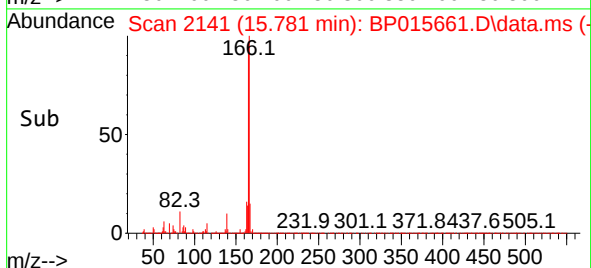
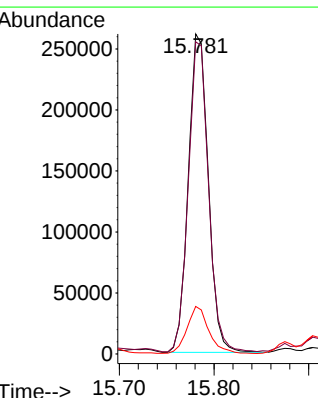
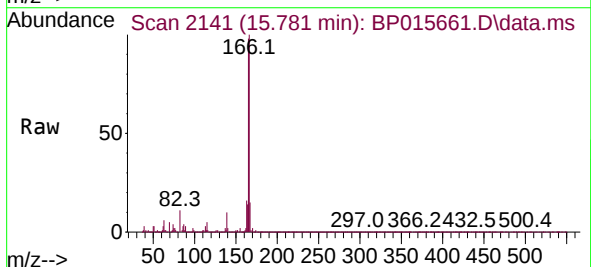
Tgt Ion:166 Resp: 381992

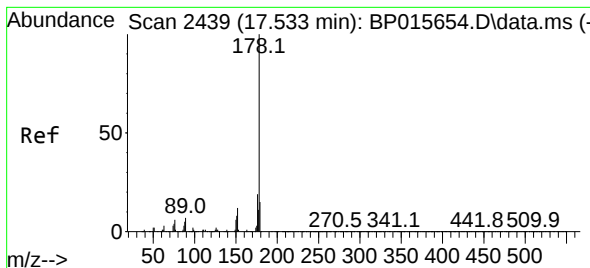
Ion Ratio Lower Upper

166 100

165 97.6 79.1 118.7

167 14.9 10.6 16.0





#72

Phenanthrene

Concen: 298.467 ng/ul

RT: 17.551 min Scan# 2442

Delta R.T. 0.018 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

Instrument :

BNA_P

ClientSampleId :

DCFL2

Tgt Ion:178 Resp: 7459224

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

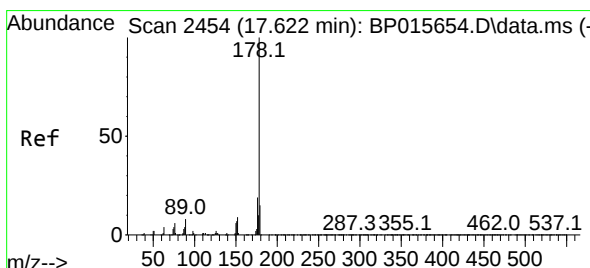
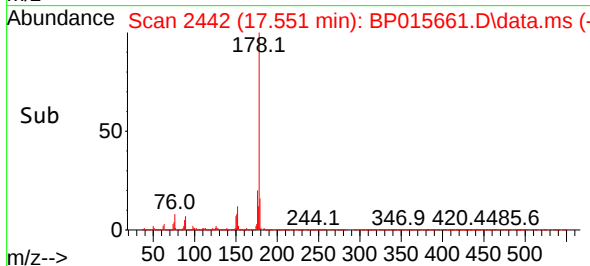
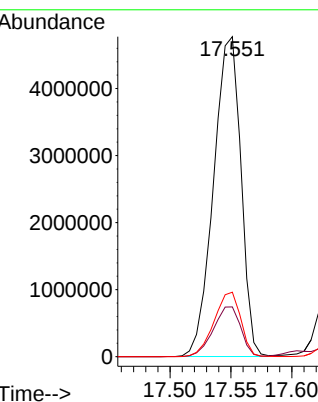
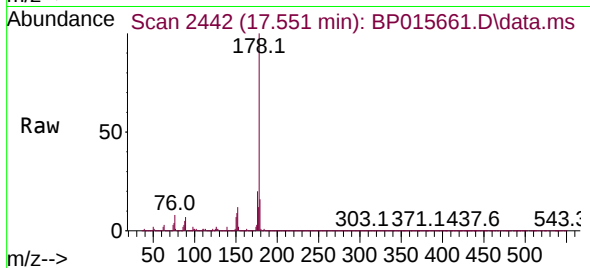
176 20.2 15.4 23.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#74

Anthracene

Concen: 77.425 ng/ul

RT: 17.634 min Scan# 2456

Delta R.T. 0.006 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

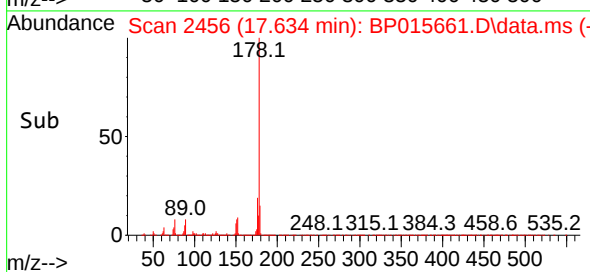
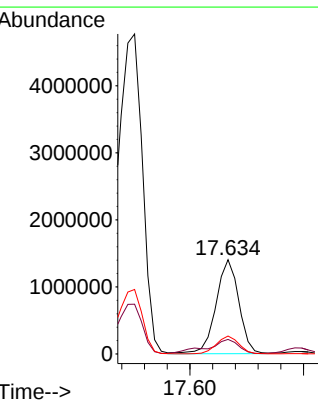
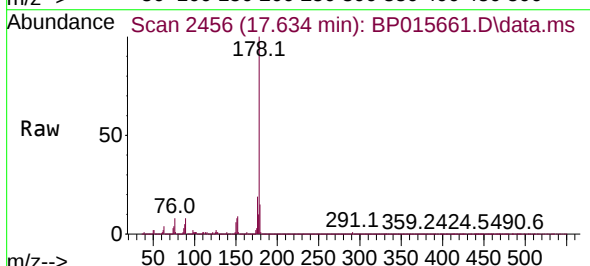
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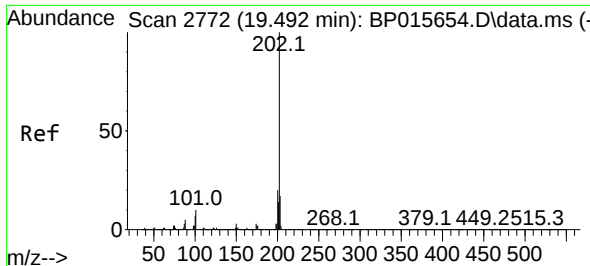
Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

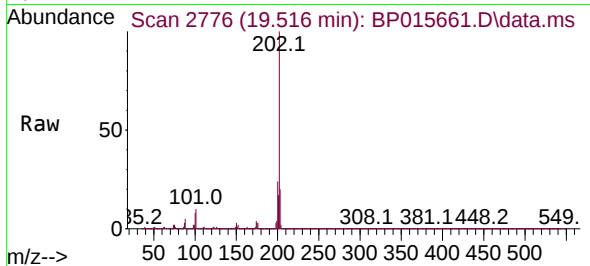
176 19.0 15.0 22.4





#80
Fluoranthene
Concen: 508.761 ng/u1
RT: 19.516 min Scan# 21
Delta R.T. 0.024 min
Lab File: BP015661.D
Acq: 22 Jun 2023 22:59

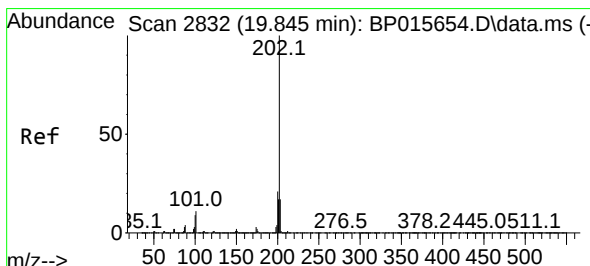
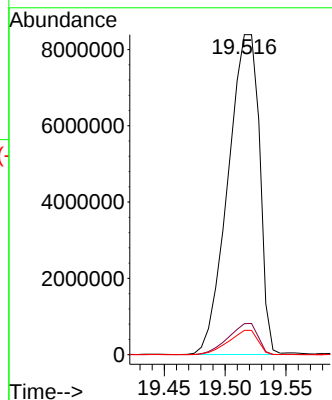
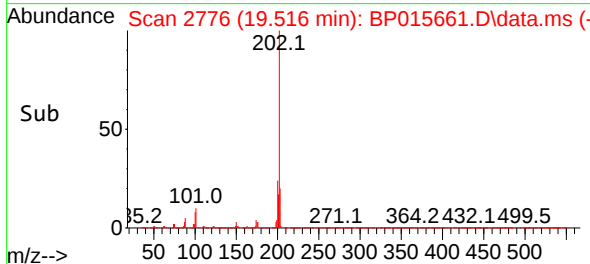
Instrument :
BNA_P
ClientSampleId :
DCFL2



Tgt Ion:202 Resp:1507663
Ion Ratio Lower Upper
202 100
101 9.7 8.6 13.0
100 7.6 6.6 9.8

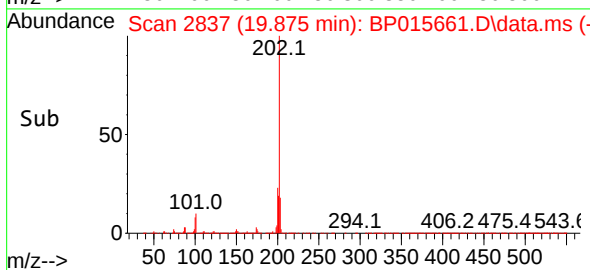
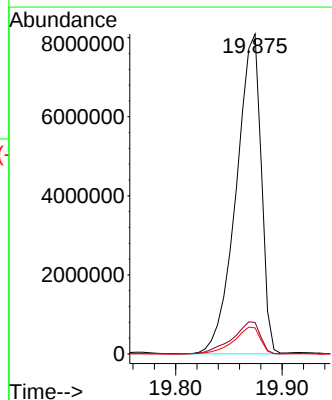
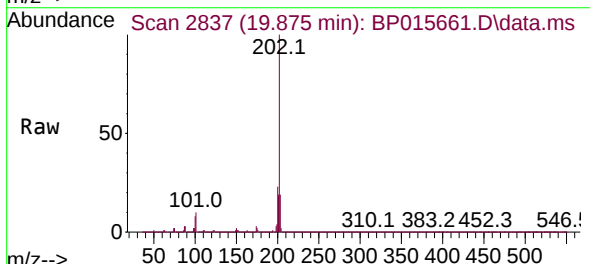
Manual Integrations
APPROVED

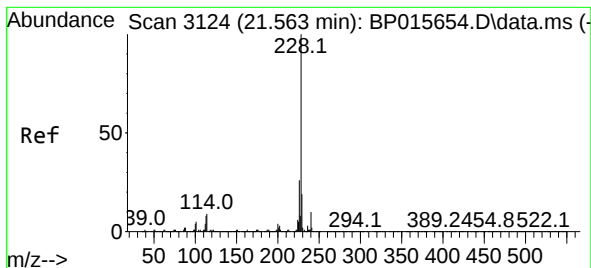
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#82
Pyrene
Concen: 429.655 ng/u1
RT: 19.875 min Scan# 2837
Delta R.T. 0.030 min
Lab File: BP015661.D
Acq: 22 Jun 2023 22:59

Tgt Ion:202 Resp:13172675
Ion Ratio Lower Upper
202 100
101 9.8 9.9 14.9#
100 8.1 8.4 12.6#





#85

Benzo(a)anthracene

Concen: 285.747 ng/ul

RT: 21.586 min Scan# 3128

Delta R.T. 0.024 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

Instrument :

BNA_P

ClientSampleId :

DCFL2

Tgt Ion:228 Resp: 908002

Ion Ratio Lower Upper

228 100

229 21.0 15.8 23.6

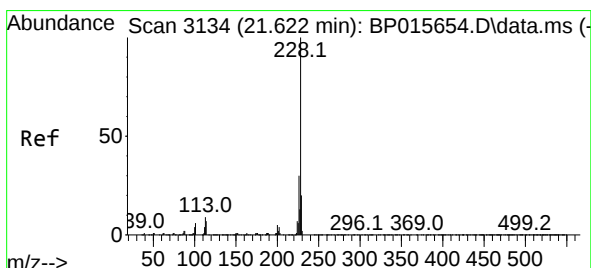
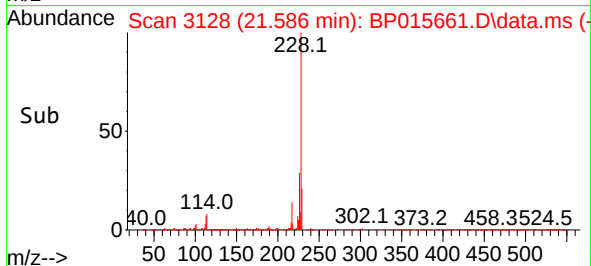
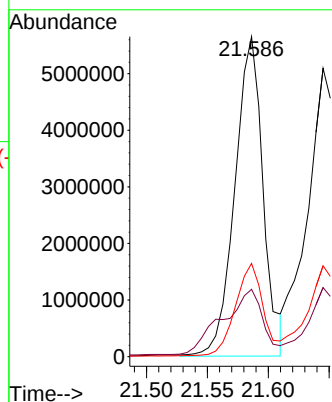
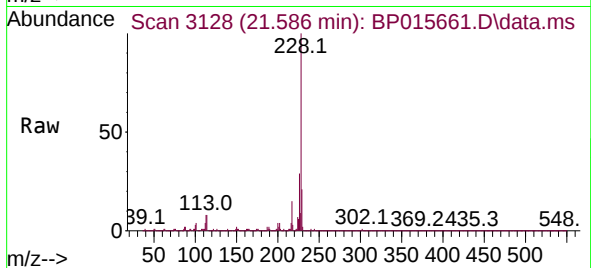
226 29.1 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#87

Chrysene

Concen: 271.245 ng/ul m

RT: 21.645 min Scan# 3138

Delta R.T. 0.024 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

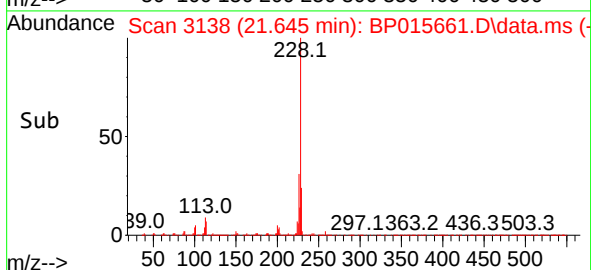
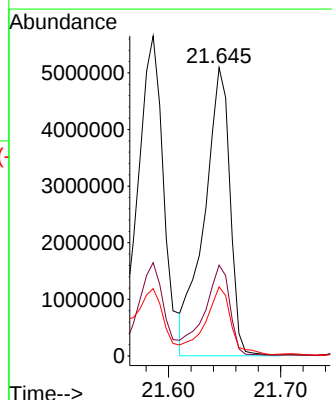
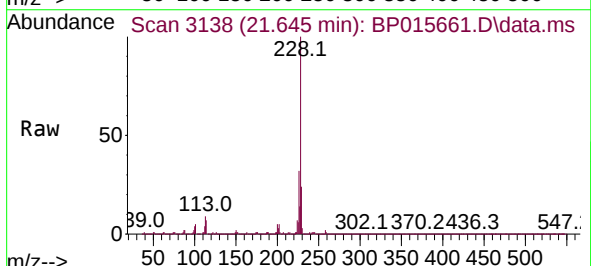
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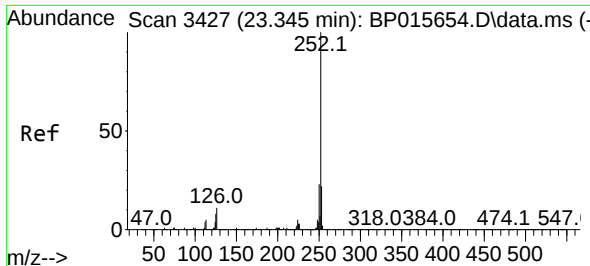
Ion Ratio Lower Upper

228 100

226 31.5 23.9 35.9

229 24.0 15.1 22.7#





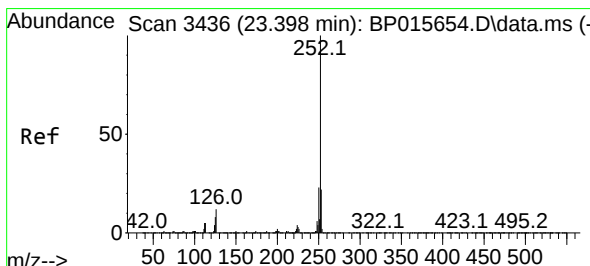
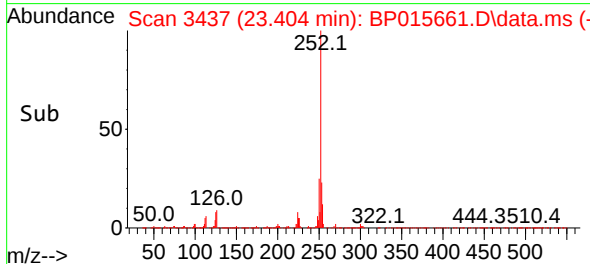
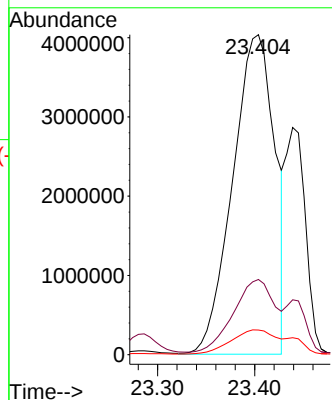
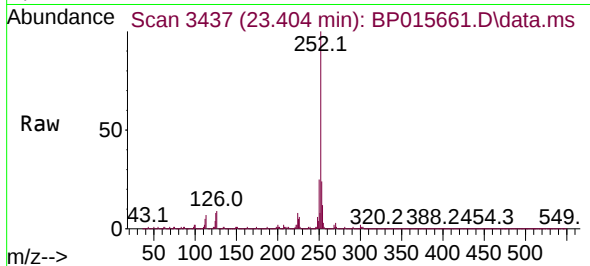
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Benzo(b)fluoranthene
Concen: 300.029 ng/ul m
RT: 23.404 min Scan# 3427
Delta R.T. 0.059 min
Lab File: BP015661.D
Acq: 22 Jun 2023 22:59

Instrument :
BNA_P
ClientSampleId :
DCFL2

Tgt Ion:252 Resp:12149756
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 7.7 7.3 10.9

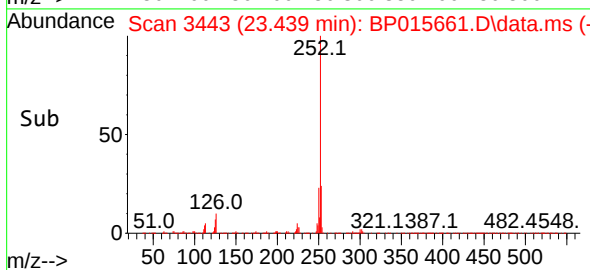
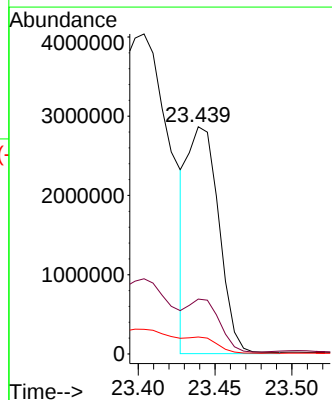
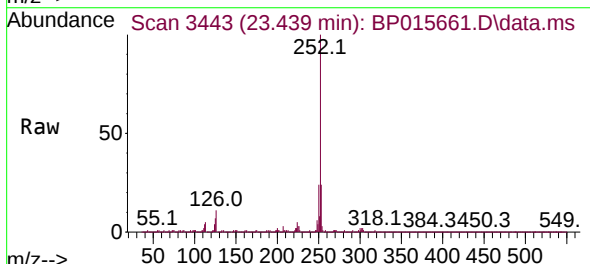
Manual Integrations
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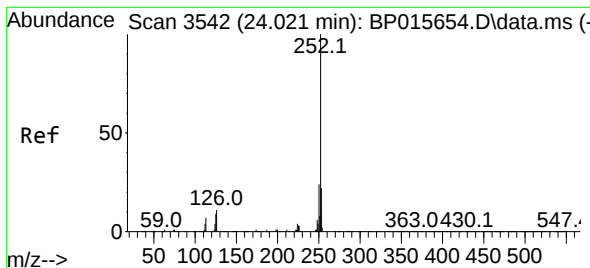
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#91
Benzo(k)fluoranthene
Concen: 103.843 ng/ul m
RT: 23.439 min Scan# 3443
Delta R.T. 0.041 min
Lab File: BP015661.D
Acq: 22 Jun 2023 22:59

Tgt Ion:252 Resp: 4064926
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 7.5 7.3 10.9





#93

Benzo(a)pyrene

Concen: 230.598 ng/ul m

RT: 24.080 min Scan# 3

Delta R.T. 0.059 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

Instrument :

BNP_P

ClientSampleId :

DCFL2

Tgt Ion:252 Resp: 814149

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

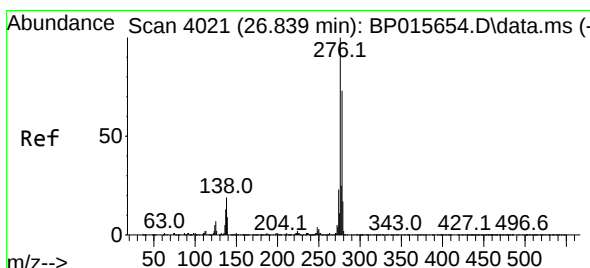
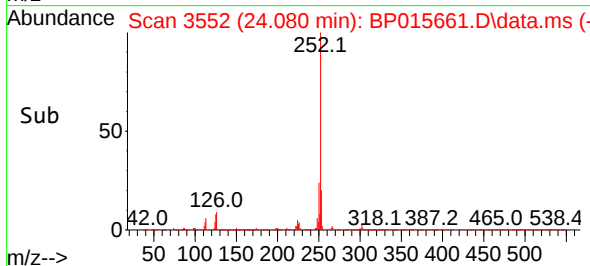
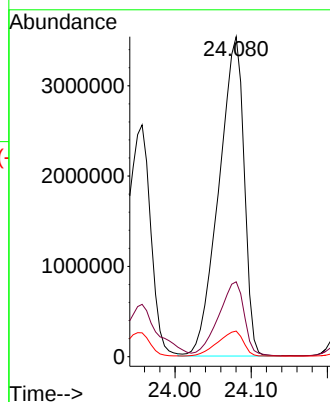
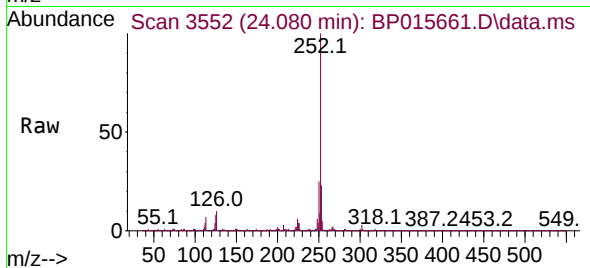
125 8.0 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 128.401 ng/ul m

RT: 26.933 min Scan# 4037

Delta R.T. 0.094 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

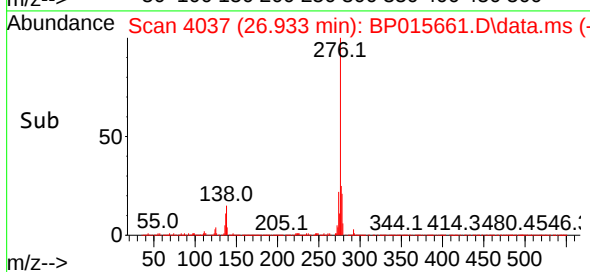
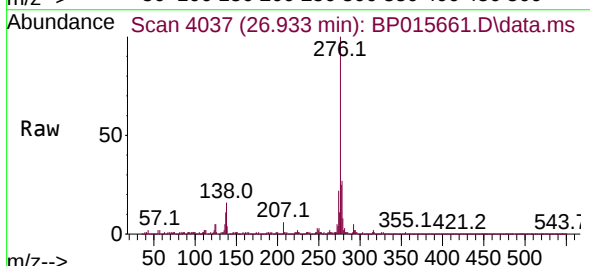
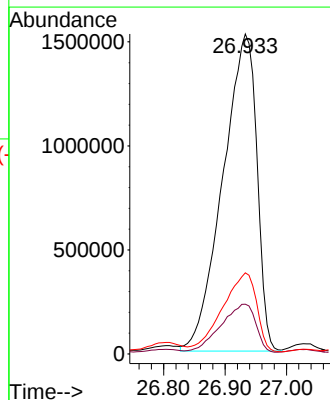
Tgt Ion:276 Resp: 5866890

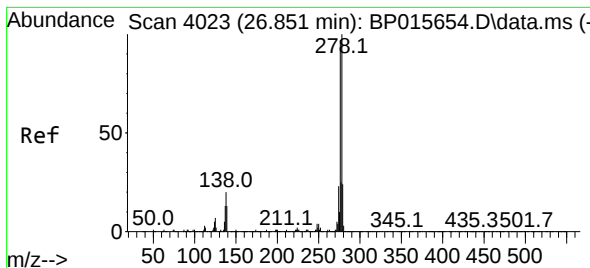
Ion Ratio Lower Upper

276 100

138 15.6 17.3 25.9

277 25.3 20.2 30.2





#95

Dibenzo(a,h)anthracene

Concen: 47.565 ng/ul m

RT: 26.927 min Scan# 4023

Delta R.T. 0.077 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

Instrument :

BNP_P

ClientSampleId :

DCFL2

Tgt Ion:278 Resp: 1770608

Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0

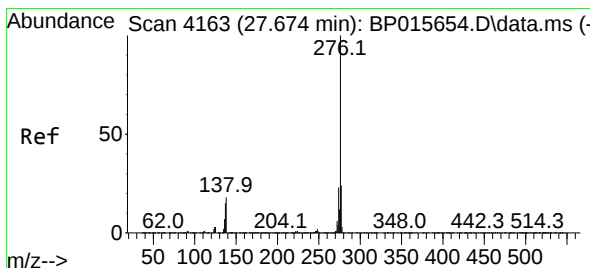
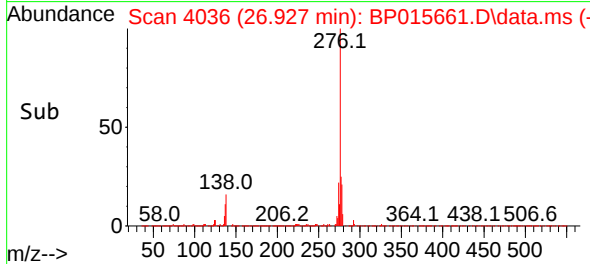
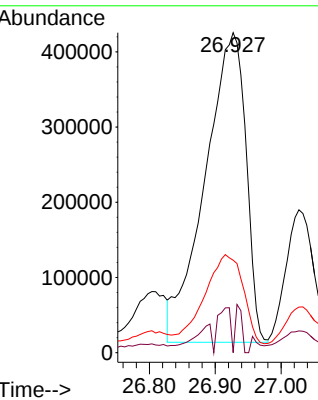
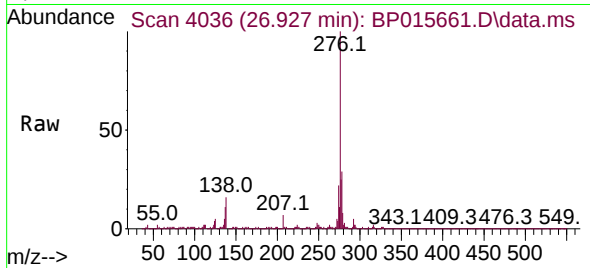
279 28.9 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#96

Benzo(g,h,i)perylene

Concen: 135.256 ng/ul m

RT: 27.786 min Scan# 4182

Delta R.T. 0.106 min

Lab File: BP015661.D

Acq: 22 Jun 2023 22:59

Tgt Ion:276 Resp: 5093047

Ion Ratio Lower Upper

276 100

138 16.2 15.6 23.4

277 25.0 19.0 28.6

