

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138342.D
 Acq On : 25 Jun 2024 19:08
 Operator : CG\JU
 Sample : P3021-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-008

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 26 01:01:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	208736	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	769472	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	372355	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	565569	20.000	ng	0.00
76) Chrysene-d12	14.045	240	401041	20.000	ng	0.00
86) Perylene-d12	15.521	264	339143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	86194	6.908	ng	-0.01
7) Phenol-d6	6.504	99	106376	6.723	ng	-0.02
23) Nitrobenzene-d5	7.439	82	62638	4.739	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	21763	5.871	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	131565	5.619	ng	-0.01
79) Terphenyl-d14	12.986	244	128281	5.066	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	48589	2.353	ng	95
58) Fluorene	10.469	166	52080m	2.295	ng	
71) Phenanthrene	11.433	178	447821	16.011	ng	97
72) Anthracene	11.480	178	109194	3.932	ng	98
75) Fluoranthene	12.621	202	529768	18.575	ng	97
78) Pyrene	12.851	202	466656	13.490	ng	98
81) Benzo(a)anthracene	14.033	228	211019	8.202	ng	98
83) Chrysene	14.068	228	185685	7.572	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	74850	3.386	ng	96
88) Benzo(b)fluoranthene	15.086	252	200942m	10.047	ng	
89) Benzo(k)fluoranthene	15.115	252	51420m	2.623	ng	
90) Benzo(a)pyrene	15.457	252	130481	7.594	ng	# 97
92) Benzo(g,h,i)perylene	17.451	276	67286	3.584	ng	97

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

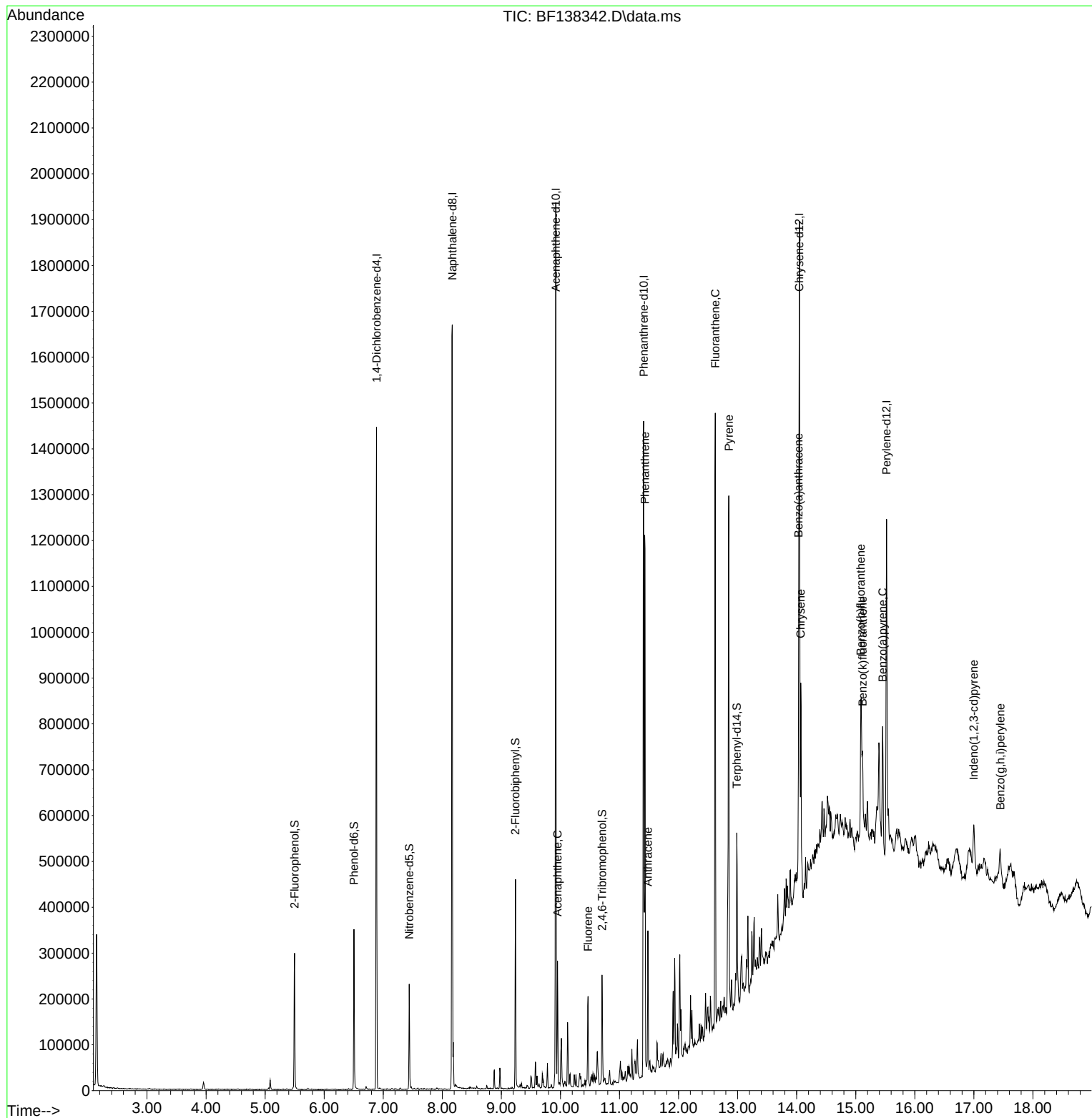
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
Data File : BF138342.D
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Operator : CG\JU
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ALS Vial : 19 Sample Multiplier: 1

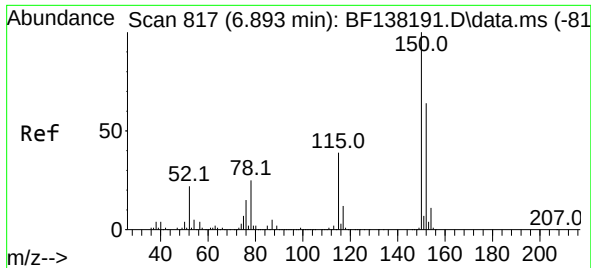
Instrument :
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ARS20-008

Quant Time: Jun 26 01:01:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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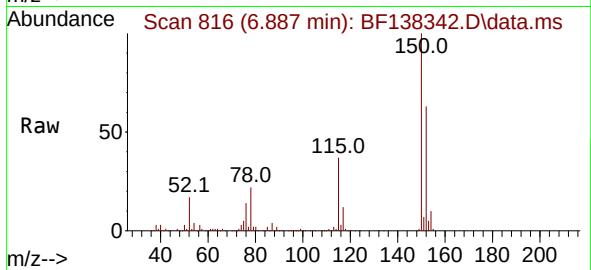
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

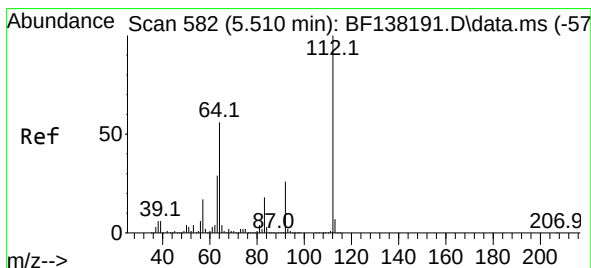
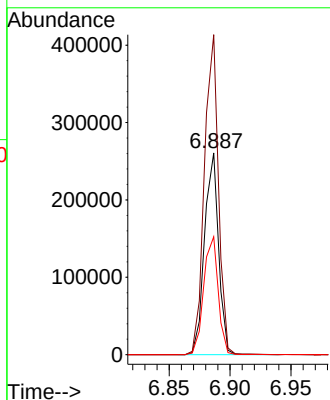
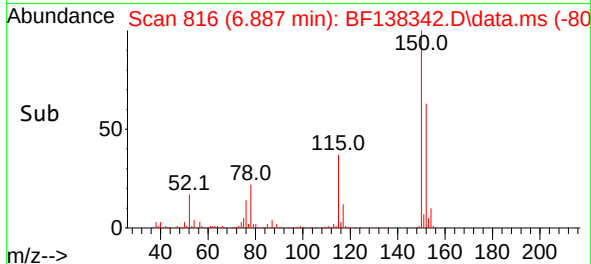
Instrument :
BNA_F
ClientSampleId :
ARS20-008



Tgt Ion:152 Resp: 208730
Ion Ratio Lower Upper
152 100
150 158.6 125.0 187.4
115 58.4 48.4 72.6

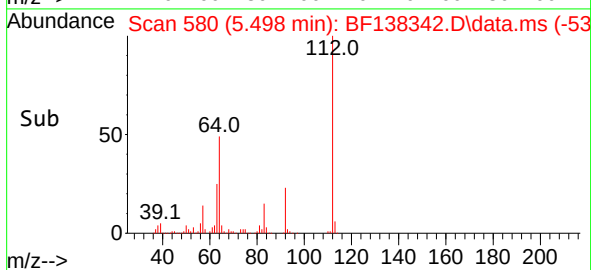
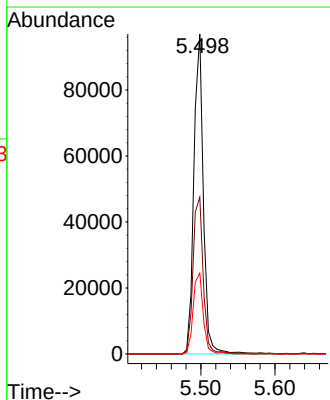
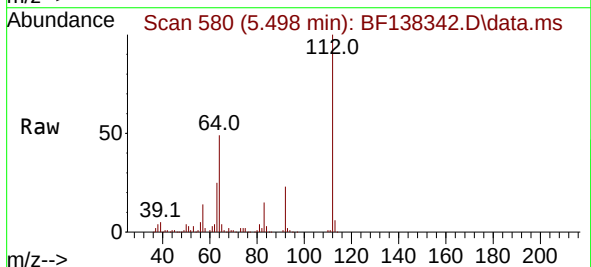
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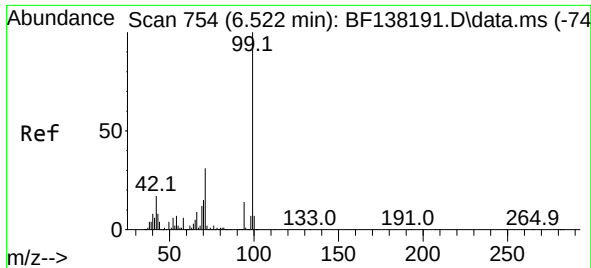
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#5
2-Fluorophenol
Concen: 6.908 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:112 Resp: 86194
Ion Ratio Lower Upper
112 100
64 49.0 45.2 67.8
63 25.3 22.9 34.3





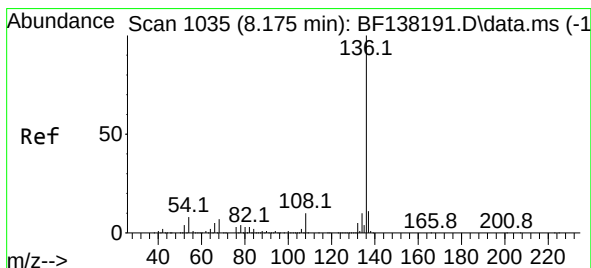
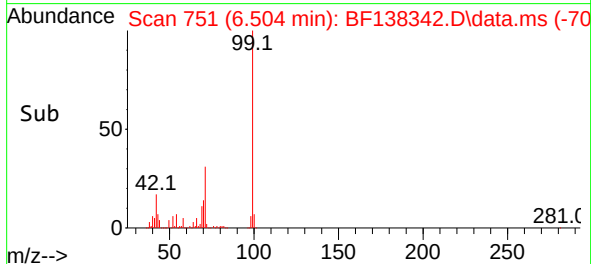
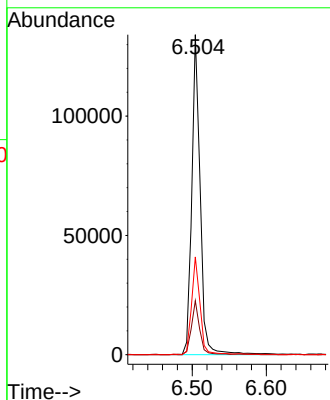
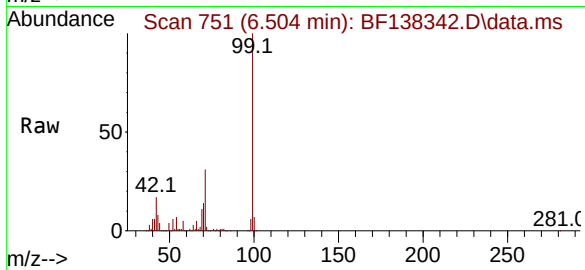
#7
Phenol-d6
Concen: 6.723 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Instrument :
BNA_F
ClientSampleId :
ARS20-008

Tgt Ion: 99 Resp: 106370
Ion Ratio Lower Upper
99 100
42 16.8 13.7 20.5
71 30.5 25.0 37.6

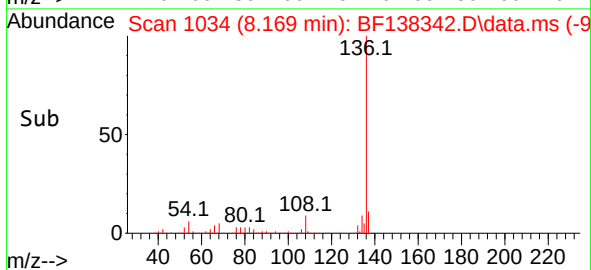
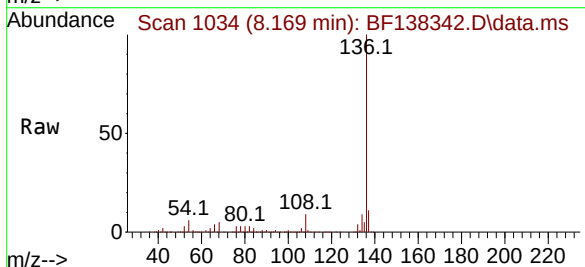
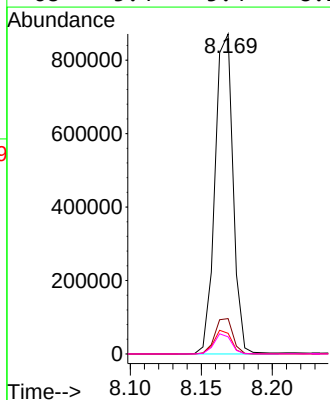
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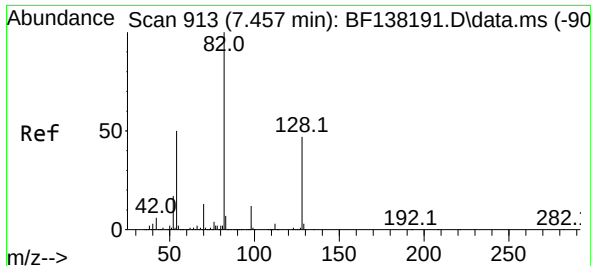
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:136 Resp: 769472
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.5 6.6 10.0#
68 5.4 5.4 8.2#





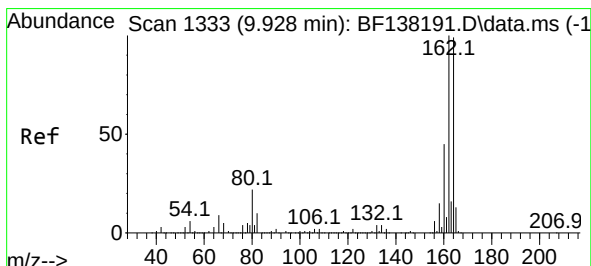
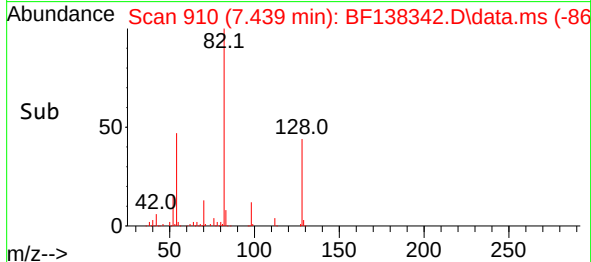
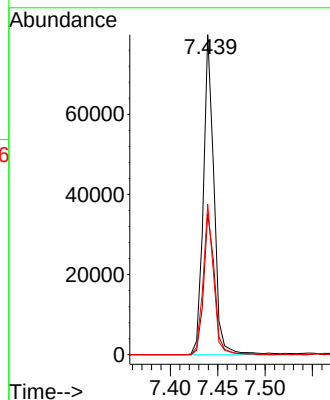
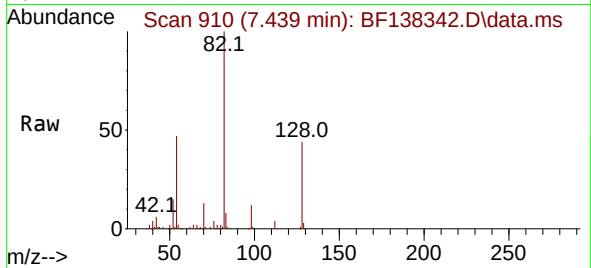
#23
Nitrobenzene-d5
Concen: 4.739 ng
RT: 7.439 min Scan# 913
Delta R.T. -0.018 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Instrument :
BNA_F
ClientSampleId :
ARS20-008

Tgt Ion: 82 Resp: 62638
Ion Ratio Lower Upper
82 100
128 44.1 37.2 55.8
54 47.0 39.8 59.6

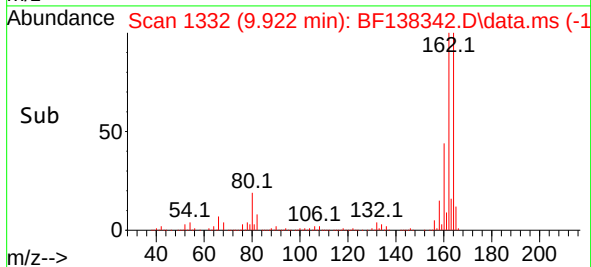
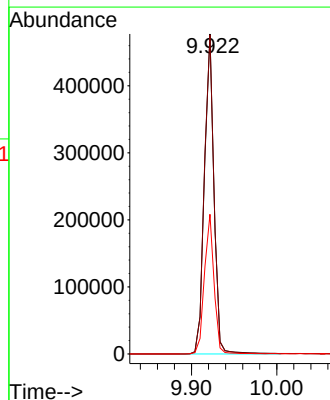
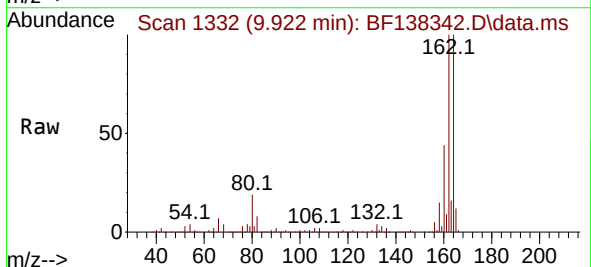
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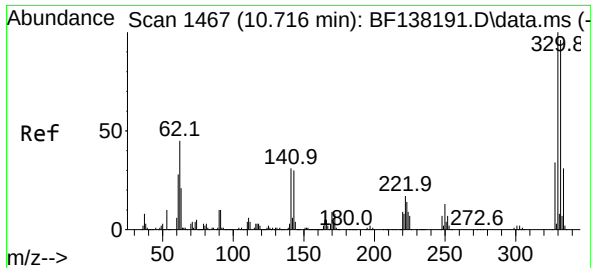
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:164 Resp: 372355
Ion Ratio Lower Upper
164 100
162 99.8 80.6 121.0
160 43.6 36.3 54.5





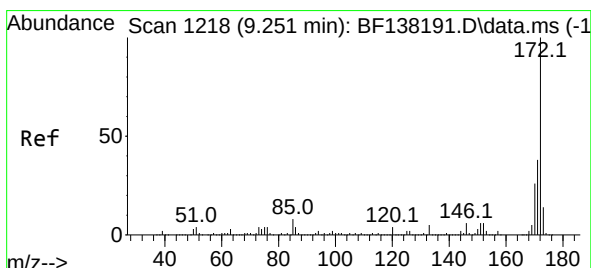
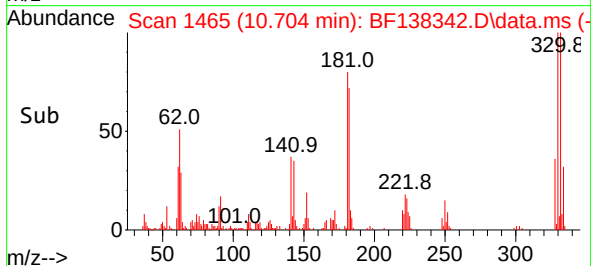
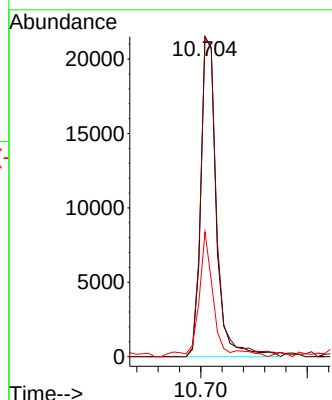
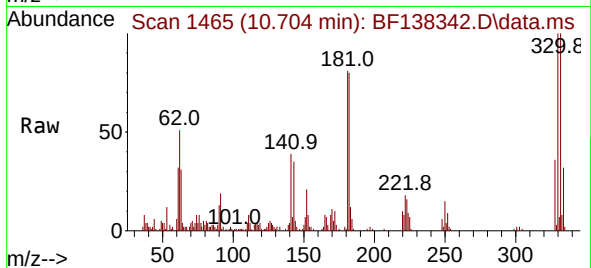
#42
2,4,6-Tribromophenol
Concen: 5.871 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Instrument :
BNA_F
ClientSampleId :
ARS20-008

Tgt Ion: 330 Resp: 2176
Ion Ratio Lower Upper
330 100
332 103.5 76.6 115.0
141 37.0 23.9 35.9

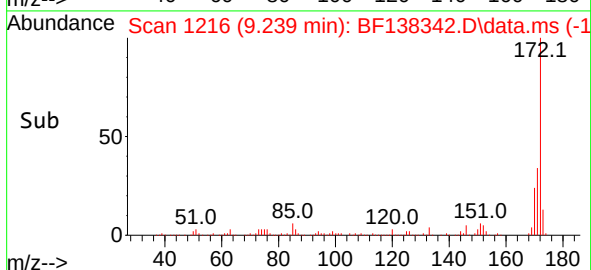
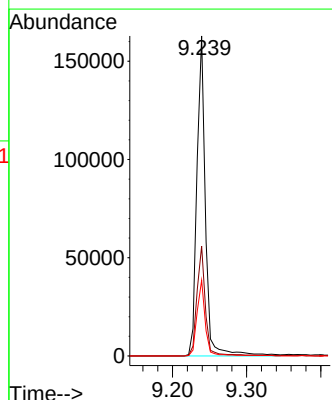
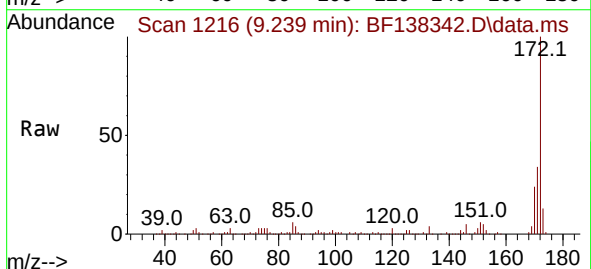
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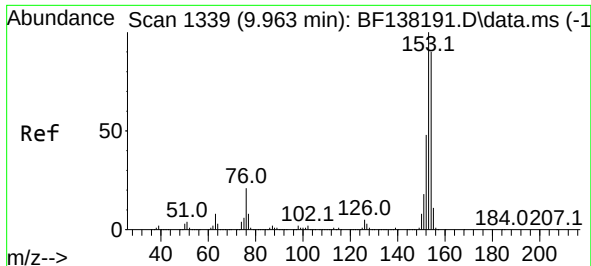
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#45
2-Fluorobiphenyl
Concen: 5.619 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion: 172 Resp: 131565
Ion Ratio Lower Upper
172 100
171 34.3 30.3 45.5
170 23.6 20.6 30.8





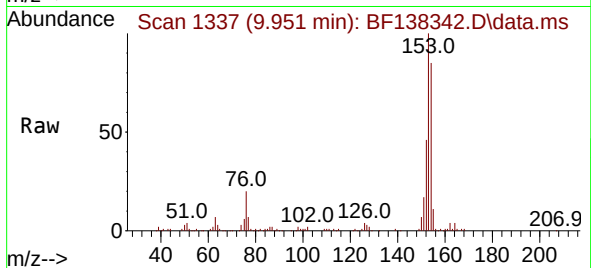
#52
Acenaphthene
Concen: 2.353 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008



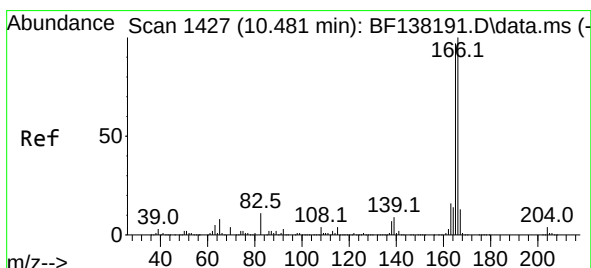
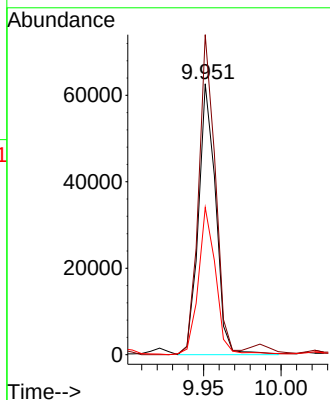
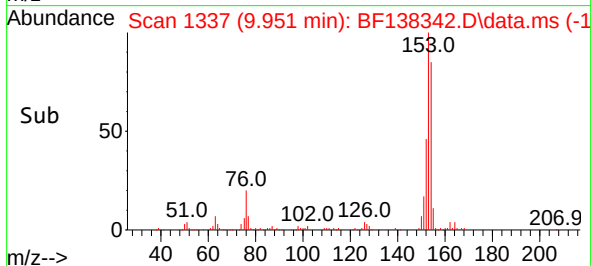
Tgt Ion:154 Resp: 48589
Ion Ratio Lower Upper
154 100
153 118.1 89.1 133.7
152 54.3 42.4 63.6

Manual Integrations

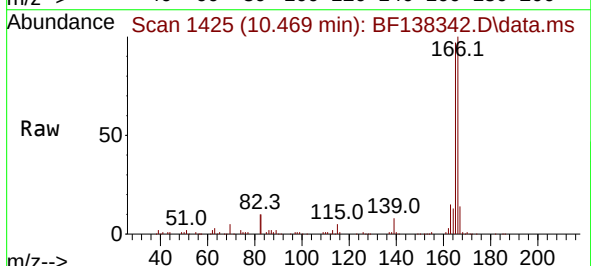
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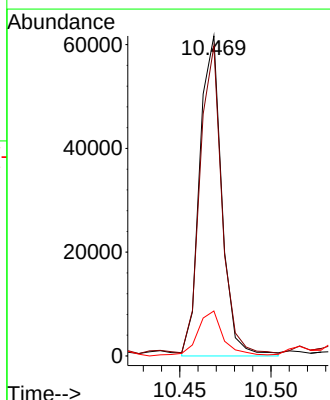
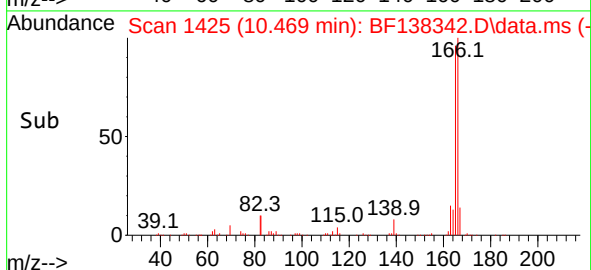
Supervised By :mohammad ahmed 06/27/2024

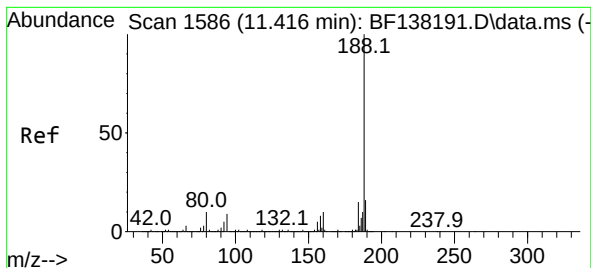


#58
Fluorene
Concen: 2.295 ng m
RT: 10.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08



Tgt Ion:166 Resp: 52080
Ion Ratio Lower Upper
166 100
165 96.8 77.9 116.9
167 14.1 10.7 16.1





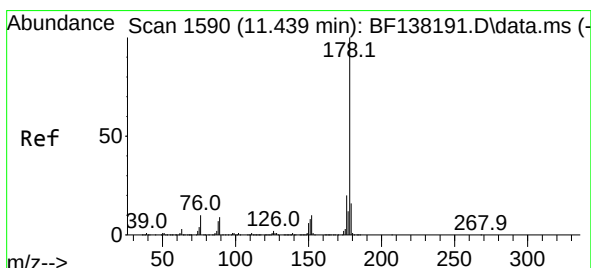
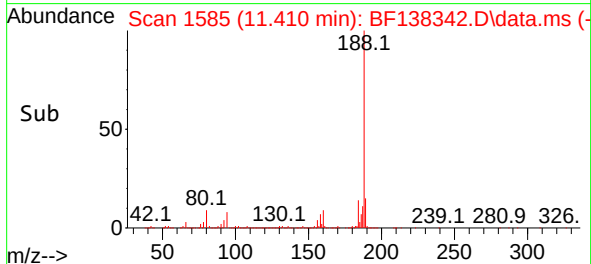
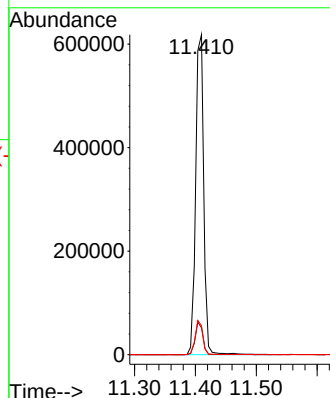
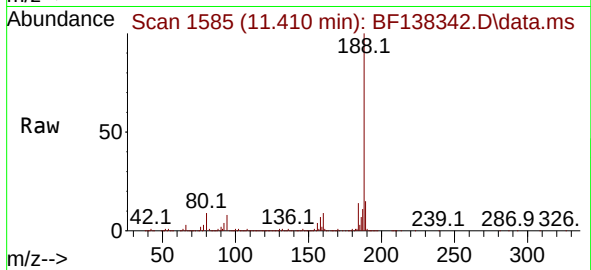
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Instrument :
BNA_F
ClientSampleId :
ARS20-008

Tgt Ion:188 Resp: 565569
Ion Ratio Lower Upper
188 100
94 8.4 7.6 11.4
80 9.1 8.1 12.1

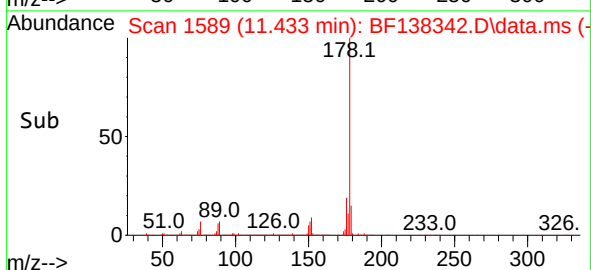
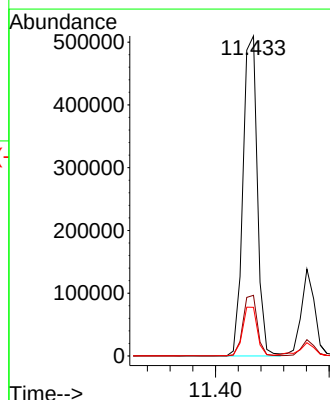
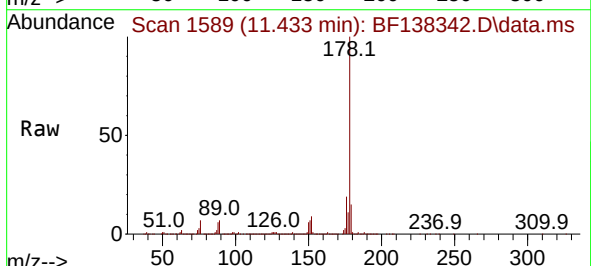
Manual Integrations
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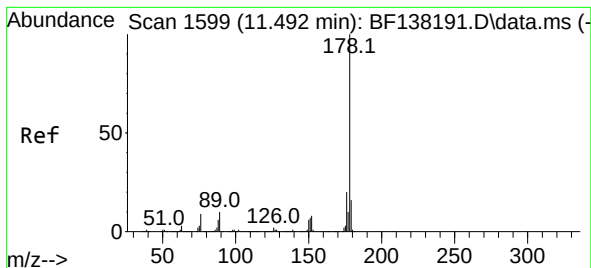
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#71
Phenanthrene
Concen: 16.011 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:178 Resp: 447821
Ion Ratio Lower Upper
178 100
176 18.9 16.4 24.6
179 15.2 13.1 19.7





#72

Anthracene

Concen: 3.932 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

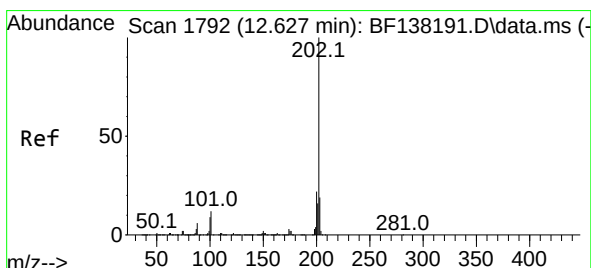
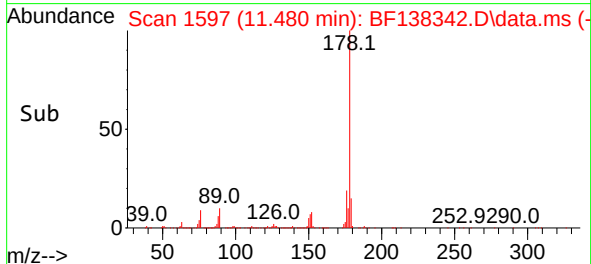
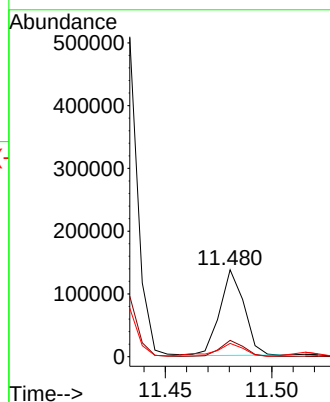
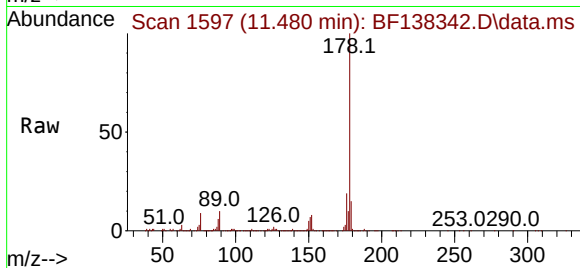
Tgt Ion:178 Resp: 109194
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.7 23.5
 179 15.4 13.0 19.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#75

Fluoranthene

Concen: 18.575 ng

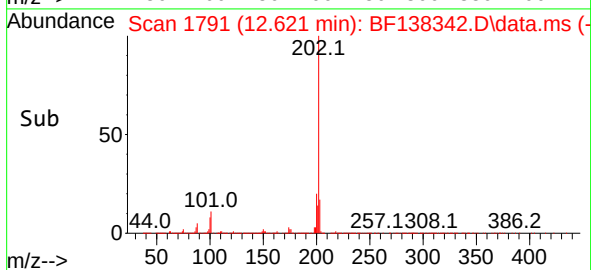
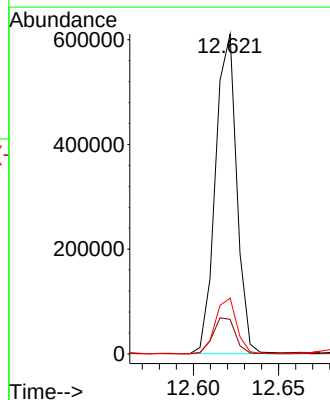
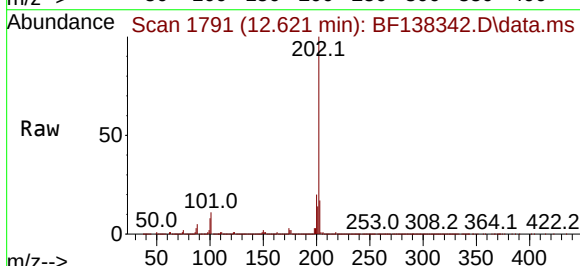
RT: 12.621 min Scan# 1791

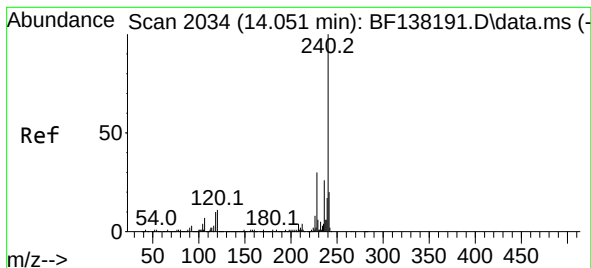
Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Tgt Ion:202 Resp: 529768
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.8
 203 17.5 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

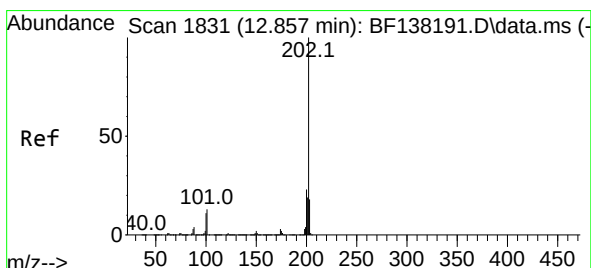
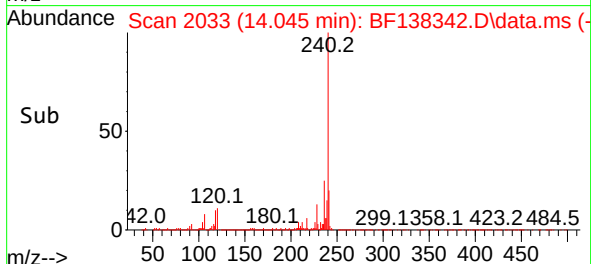
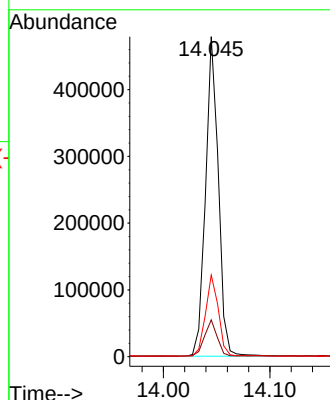
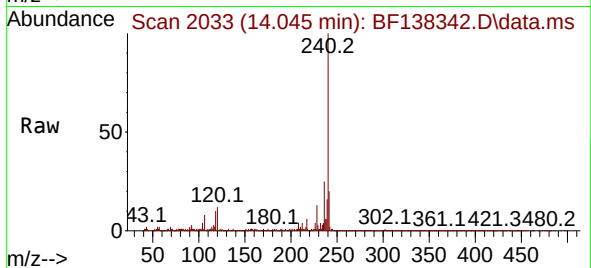
Tgt Ion:240	Resp: 40104
Ion Ratio	Lower Upper
240 100	
120 11.5	9.2 13.8
236 25.5	21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#78

Pyrene

Concen: 13.490 ng

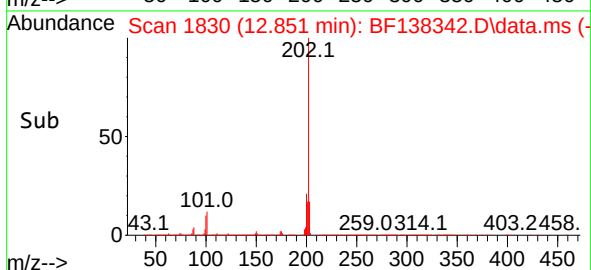
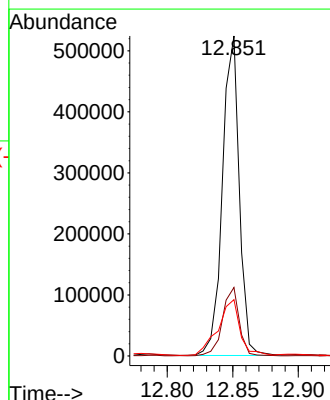
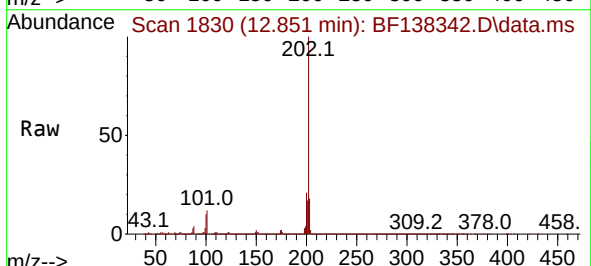
RT: 12.851 min Scan# 1830

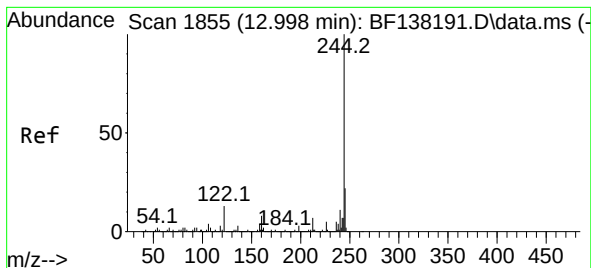
Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Tgt Ion:202	Resp: 466656
Ion Ratio	Lower Upper
202 100	
200 21.4	18.0 27.0
203 17.6	14.7 22.1





#79

Terphenyl-d14

Concen: 5.066 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

Tgt Ion:244 Resp: 12828

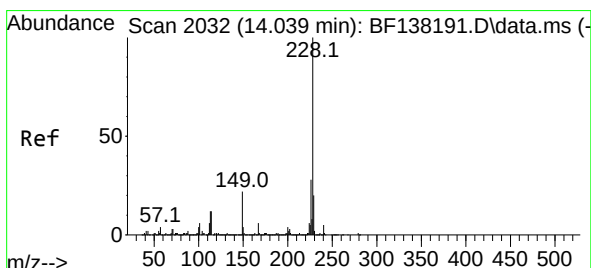
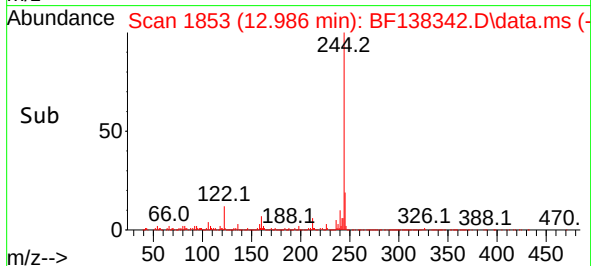
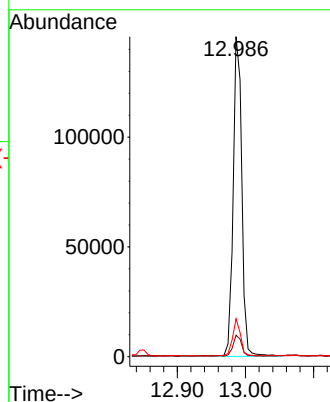
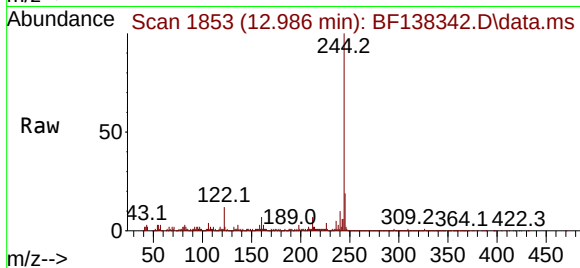
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	11.8	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#81

Benzo(a)anthracene

Concen: 8.202 ng

RT: 14.033 min Scan# 2031

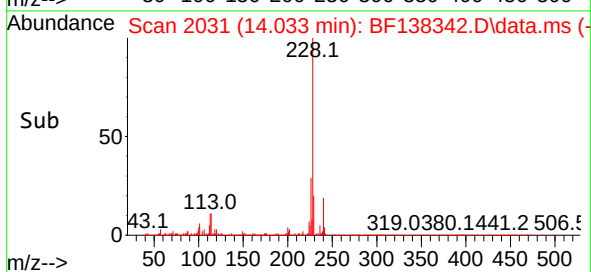
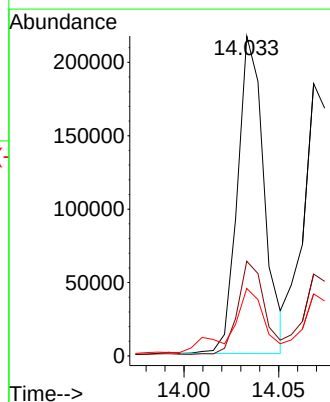
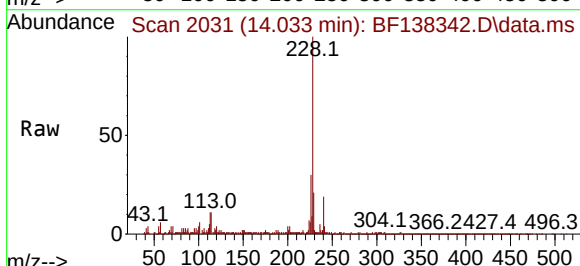
Delta R.T. -0.006 min

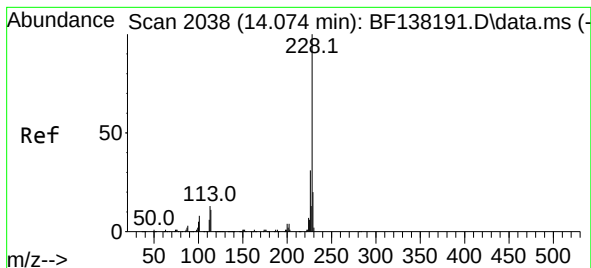
Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Tgt Ion:228 Resp: 211019

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.5	33.7
229	21.1	16.3	24.5





#83

Chrysene

Concen: 7.572 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

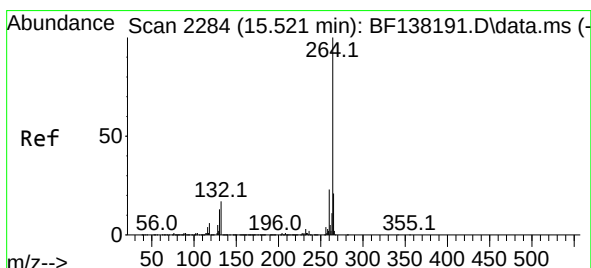
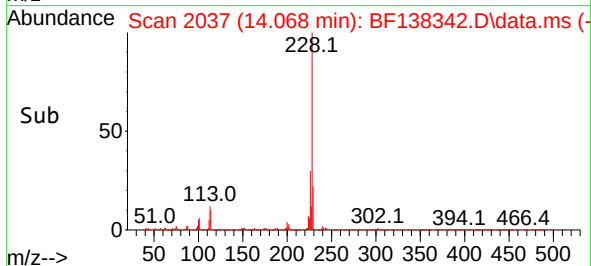
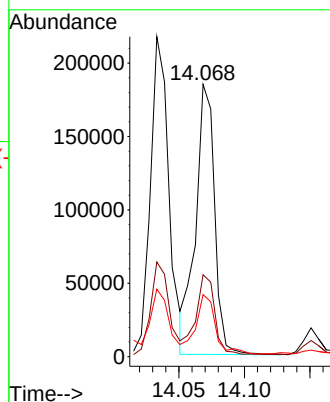
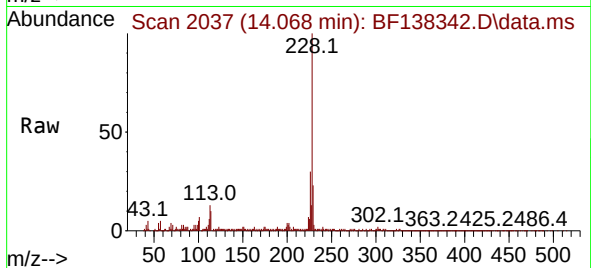
Tgt Ion:	228	Resp:	18568
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.5	36.7
229	22.8	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#86

Perylene-d12

Concen: 20.000 ng

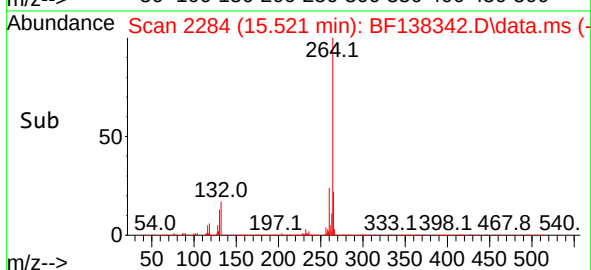
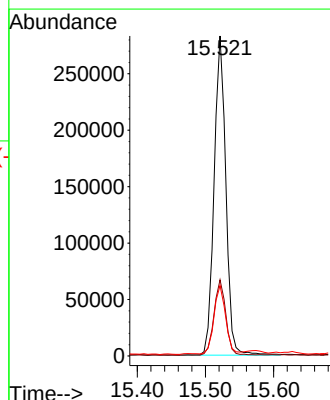
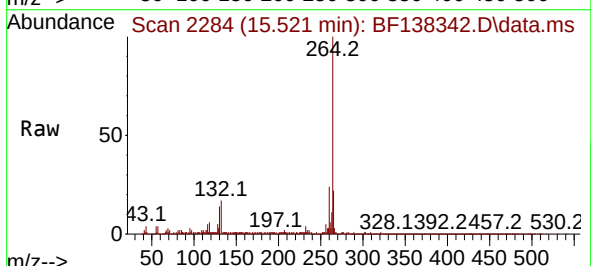
RT: 15.521 min Scan# 2284

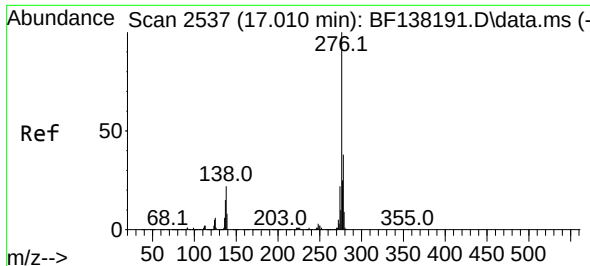
Delta R.T. -0.000 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Tgt Ion:	264	Resp:	339143
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	22.0	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.386 ng
RT: 16.998 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

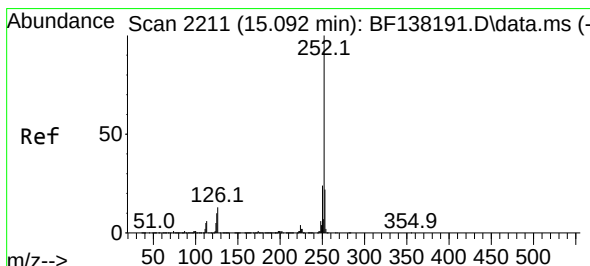
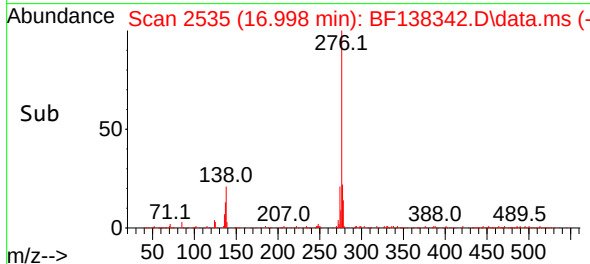
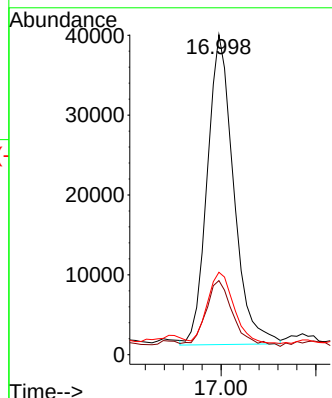
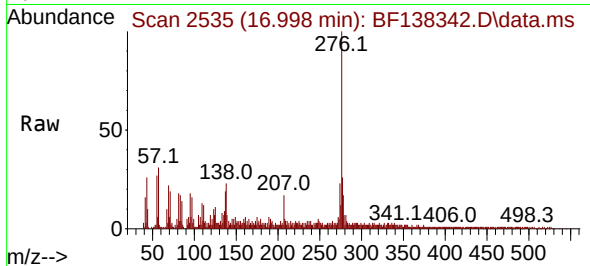
ClientSampleId :

ARS20-008

Tgt Ion:276 Resp: 74850
Ion Ratio Lower Upper
276 100
138 22.1 19.3 28.9
277 23.3 20.2 30.2

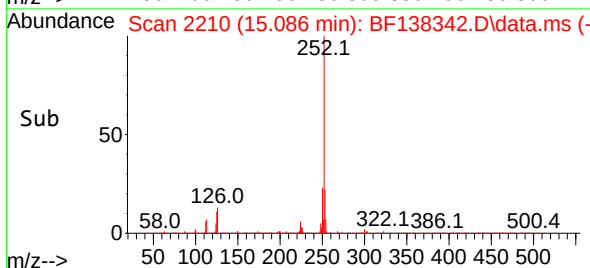
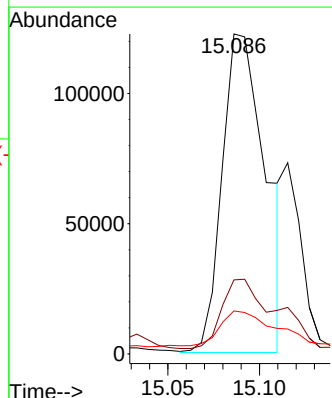
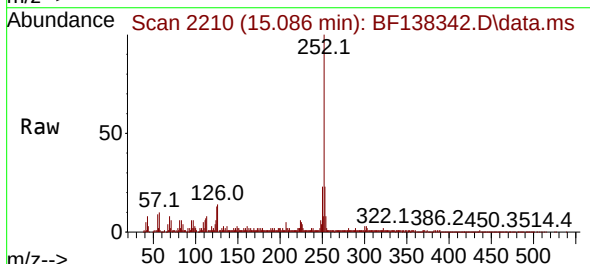
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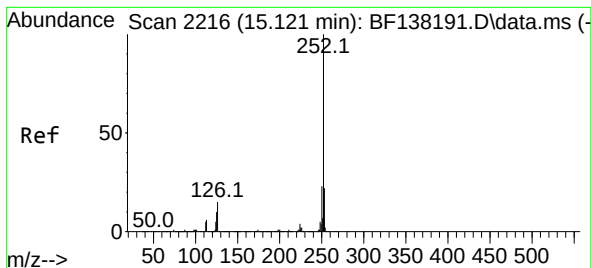
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#88
Benzo(b)fluoranthene
Concen: 10.047 ng m
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:252 Resp: 200942
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 13.4 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 2.623 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

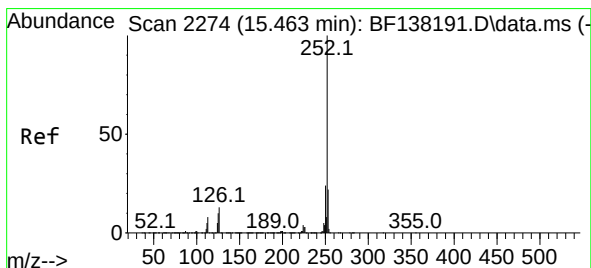
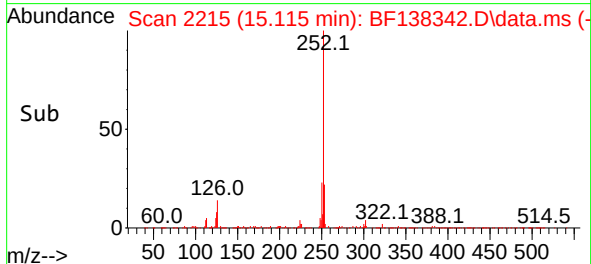
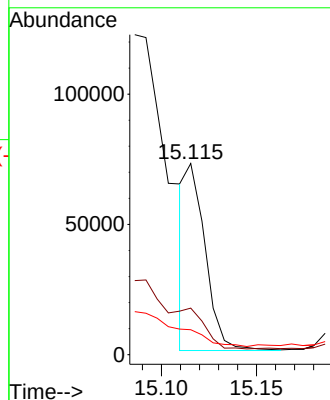
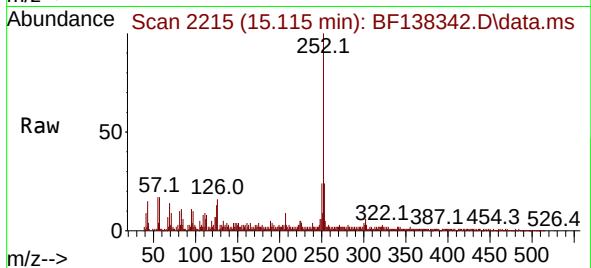
Tgt Ion:	252	Resp:	51420
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.8	26.8
125	13.0	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#90

Benzo(a)pyrene

Concen: 7.594 ng

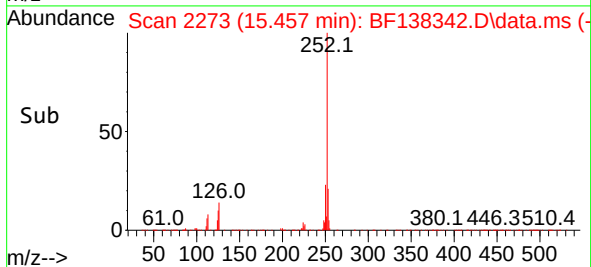
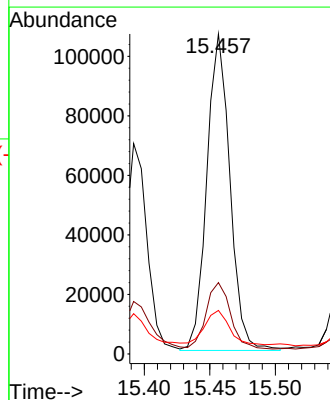
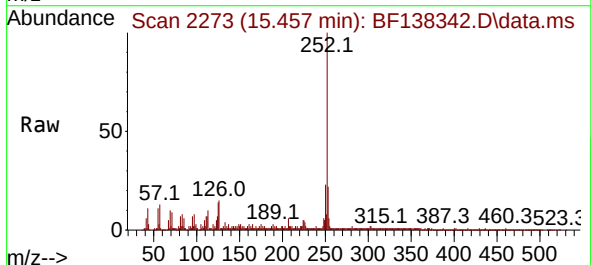
RT: 15.457 min Scan# 2273

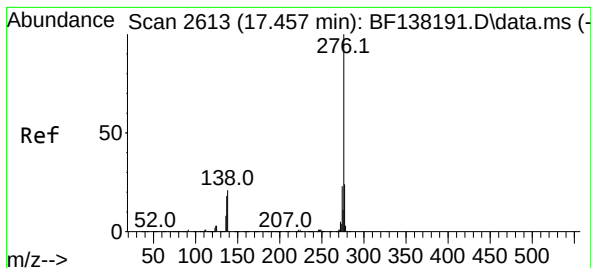
Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Tgt Ion:	252	Resp:	130481
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.7	26.5
125	13.6	8.2	12.2





#92

Benzo(g,h,i)perylene

Concen: 3.584 ng

RT: 17.451 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138342.D

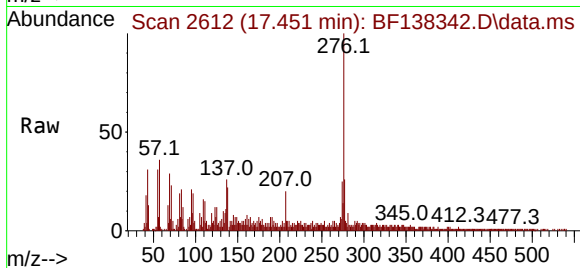
Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008



Tgt Ion:276 Resp: 67280

Ion Ratio Lower Upper

276 100

277 26.0 19.5 29.3

138 22.5 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024

