

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
 Data File : BF140652.D
 Acq On : 26 Nov 2024 19:45
 Operator : RC/JU
 Sample : P5000-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-733

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 27 00:08:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	54207	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	196700	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	101641	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	156251	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	121038	20.000	ng	# 0.00
86) Perylene-d12	15.545	264	101563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	272549	85.787	ng	0.00
7) Phenol-d6	6.504	99	360123	85.741	ng	-0.01
23) Nitrobenzene-d5	7.428	82	215496	56.038	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	80525	74.076	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	391810	57.435	ng	0.00
79) Terphenyl-d14	12.986	244	320264	41.201	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.863	142	22065	3.429	ng	96
38) 1-Methylnaphthalene	8.963	142	19635	3.113	ng	95
71) Phenanthrene	11.428	178	82534	10.989	ng	# 84
72) Anthracene	11.480	178	17725	2.413	ng	# 46
75) Fluoranthene	12.622	202	84494	10.361	ng	88
78) Pyrene	12.851	202	100400	8.971	ng	# 91
81) Benzo(a)anthracene	14.045	228	59984	7.487	ng	# 78
83) Chrysene	14.080	228	46474	6.343	ng	# 82
87) Indeno(1,2,3-cd)pyrene	17.051	276	13301	2.010	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	44381m	6.957	ng	
89) Benzo(k)fluoranthene	15.127	252	16868m	3.022	ng	
90) Benzo(a)pyrene	15.480	252	31112	5.998	ng	# 84
92) Benzo(g,h,i)perylene	17.509	276	14118	2.552	ng	# 91

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

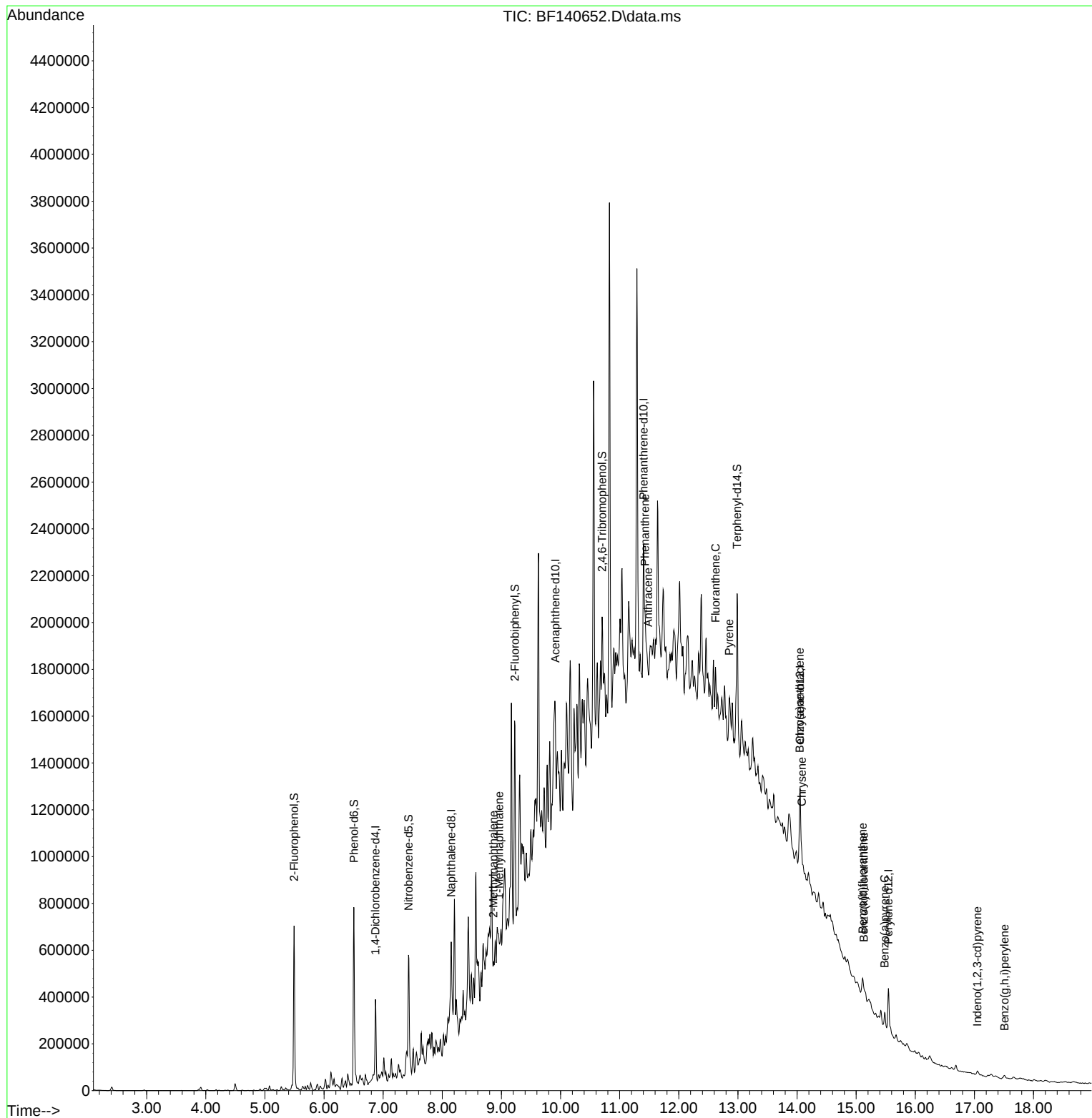
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140652.D
Acq On : 26 Nov 2024 19:45
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Sample : P5000-05
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ALS Vial : 25 Sample Multiplier: 1

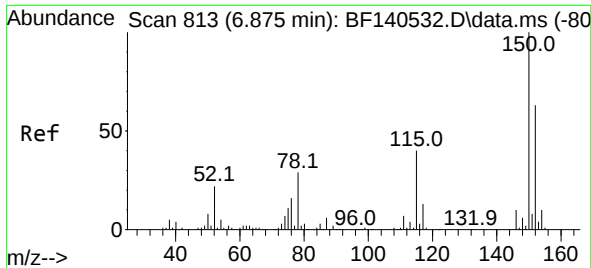
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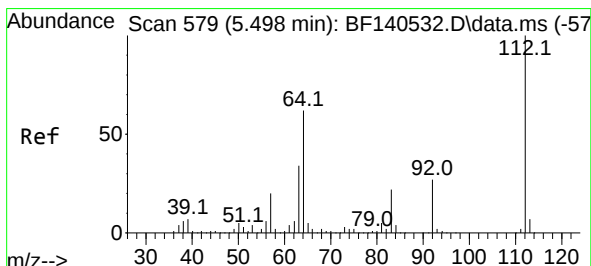
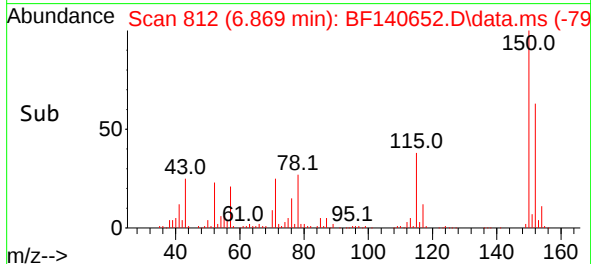
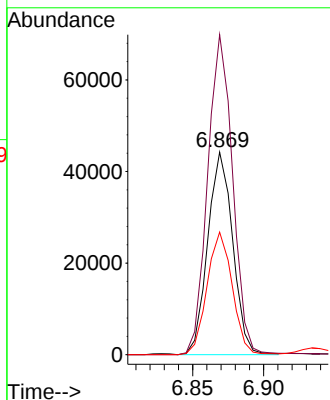
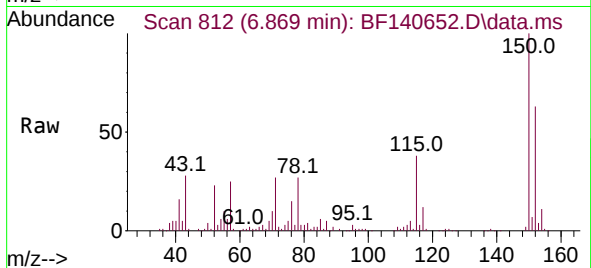
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

Instrument :
BNA_F
ClientSampleId :
MH-733

Tgt Ion:152 Resp: 5420
Ion Ratio Lower Upper
152 100
150 158.0 128.5 192.7
115 60.5 50.2 75.4

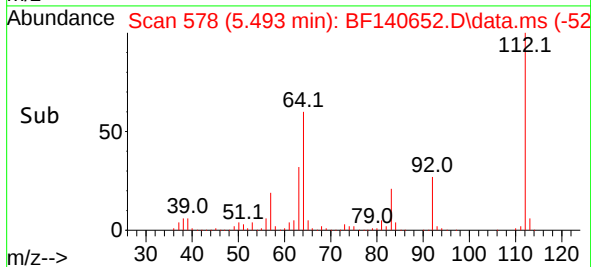
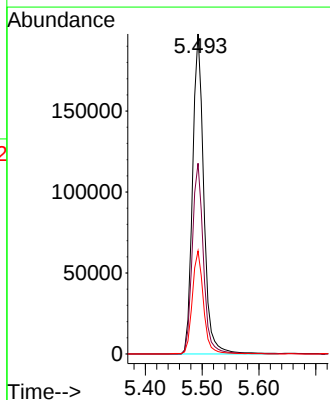
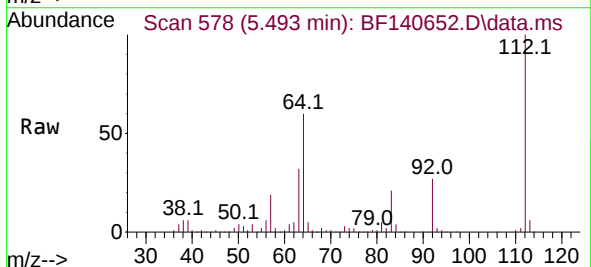
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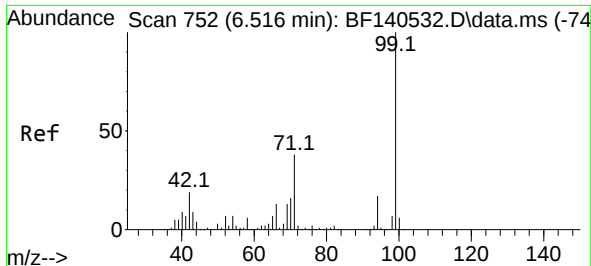
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#5
2-Fluorophenol
Concen: 85.787 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

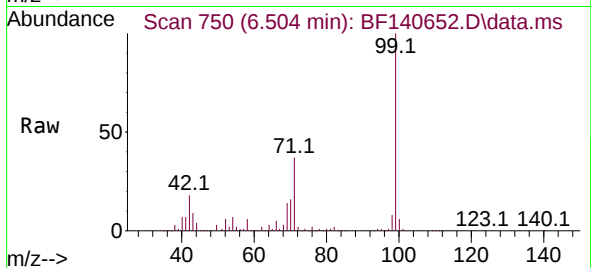
Tgt Ion:112 Resp: 272549
Ion Ratio Lower Upper
112 100
64 59.6 49.2 73.8
63 32.2 27.0 40.4





#7
Phenol-d6
Concen: 85.741 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

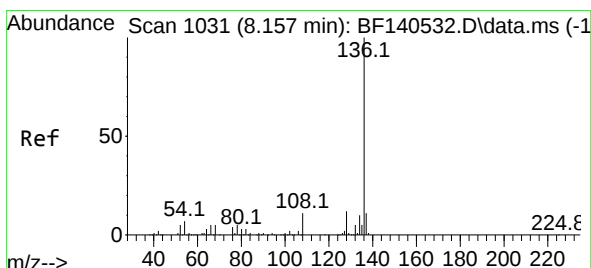
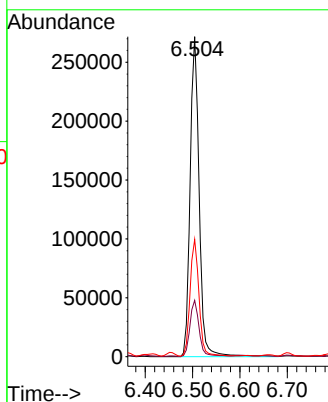
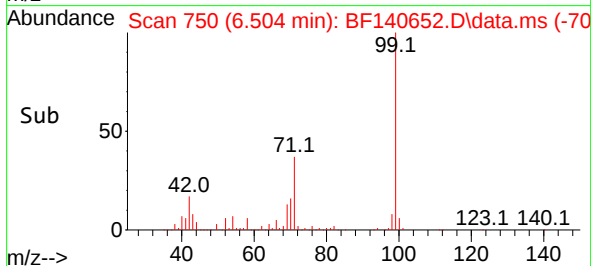
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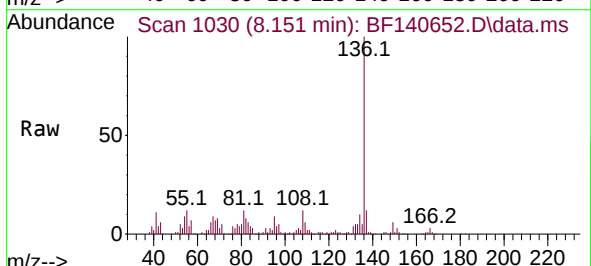
Tgt Ion: 99 Resp: 36012
Ion Ratio Lower Upper
99 100
42 17.6 15.4 23.0
71 36.7 30.6 46.0

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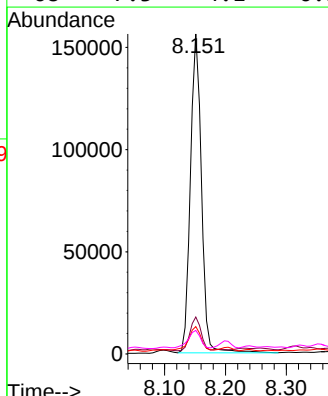
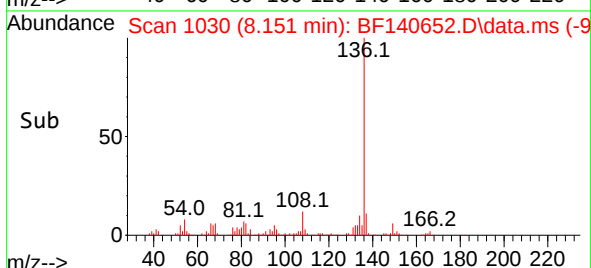
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

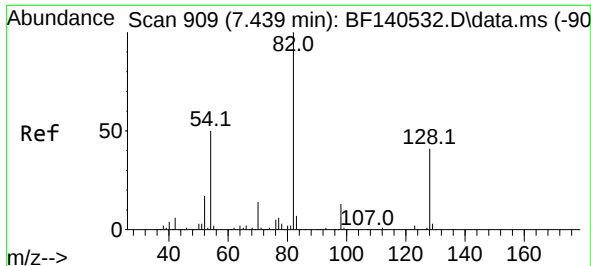


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45



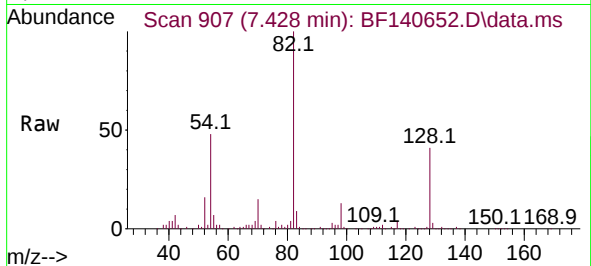
Tgt Ion:136 Resp: 196700
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 8.6 5.8 8.8
68 7.3 4.1 6.1





#23
Nitrobenzene-d5
Concen: 56.038 ng
RT: 7.428 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

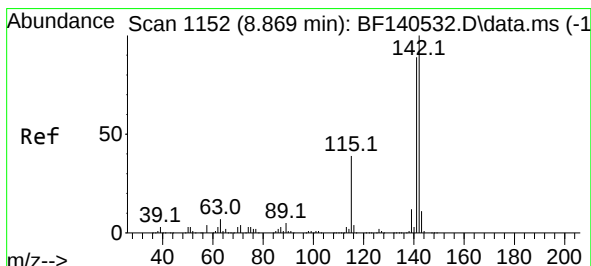
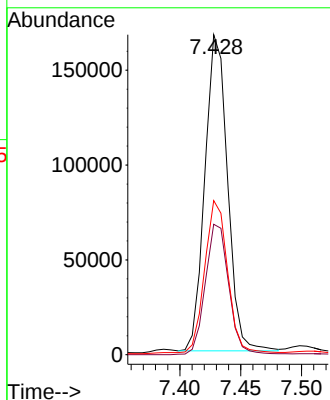
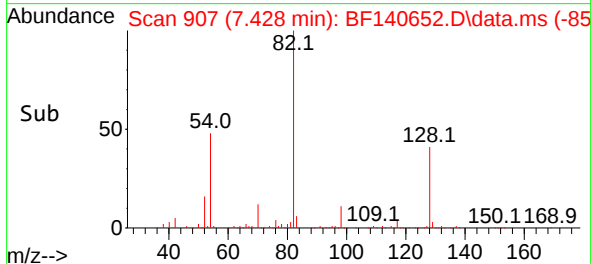
Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 215490
Ion Ratio Lower Upper
82 100
128 40.7 33.0 49.4
54 48.1 39.5 59.3

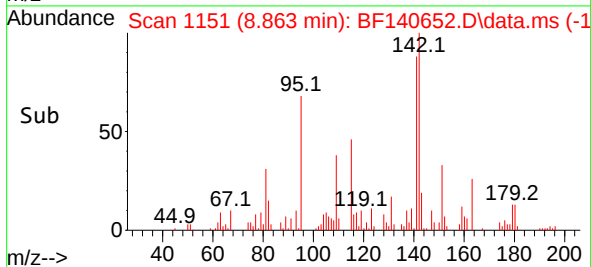
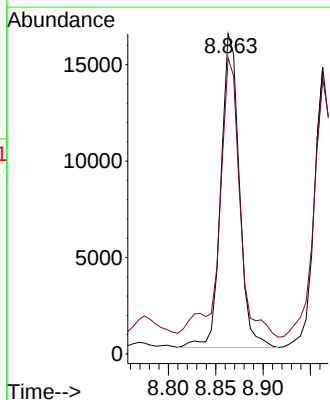
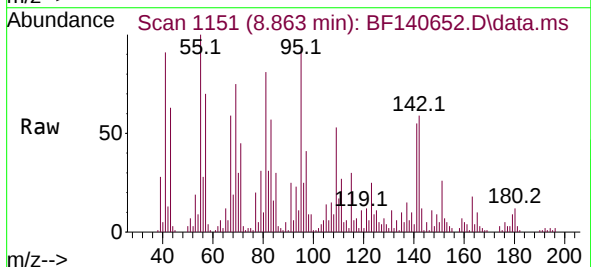
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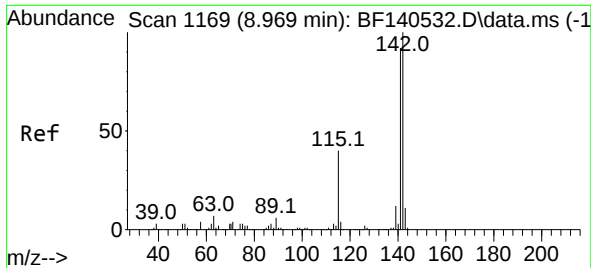
Reviewed By :Yogesh Patel 11/27/2024
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#37
2-Methylnaphthalene
Concen: 3.429 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

Tgt Ion:142 Resp: 22065
Ion Ratio Lower Upper
142 100
141 92.5 71.0 106.6





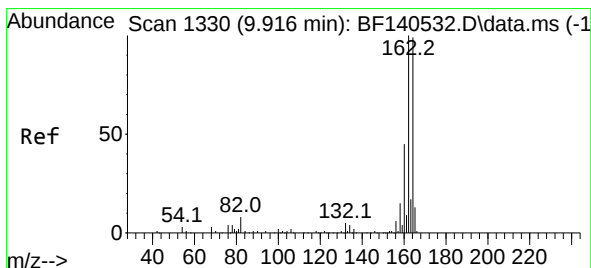
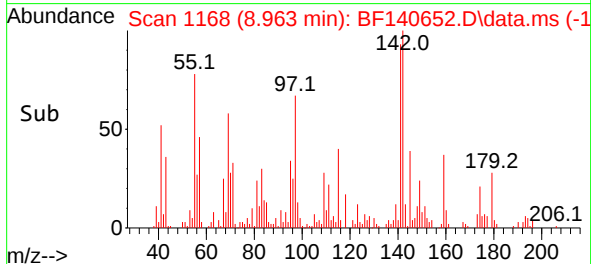
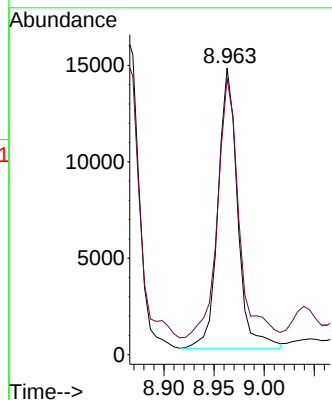
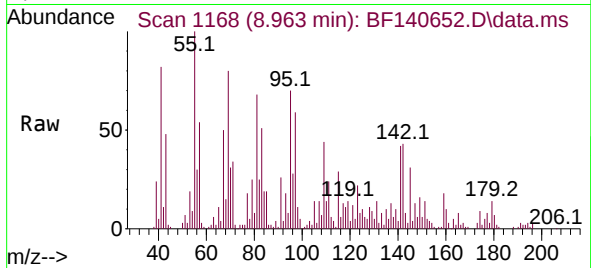
#38
1-Methylnaphthalene
Concen: 3.113 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

Instrument :
BNA_F
ClientSampleId :
MH-733

Tgt Ion:142 Resp: 1963
Ion Ratio Lower Upper
142 100
141 96.3 73.3 109.9

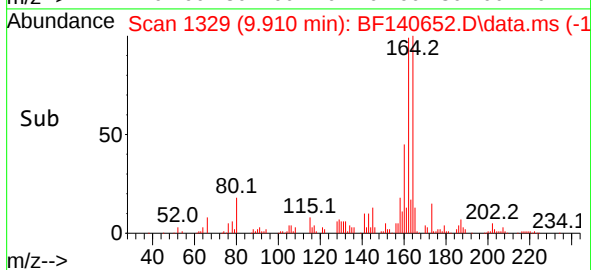
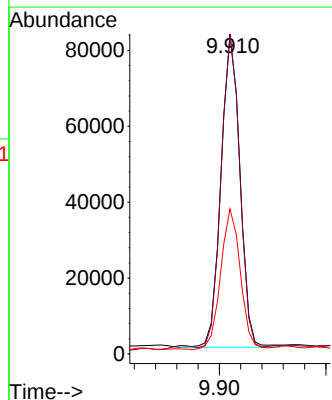
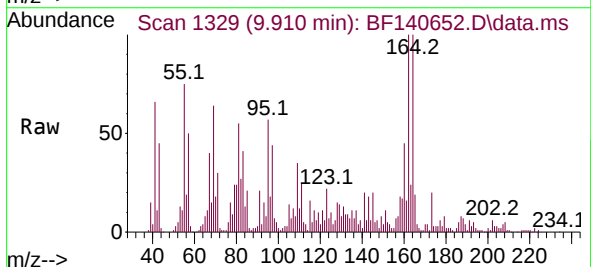
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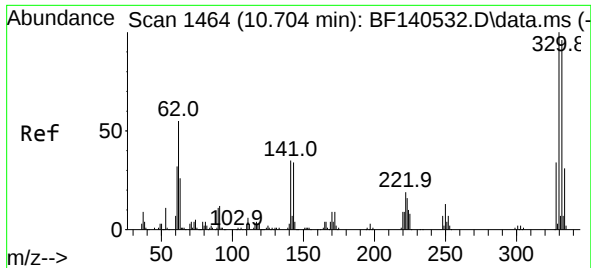
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

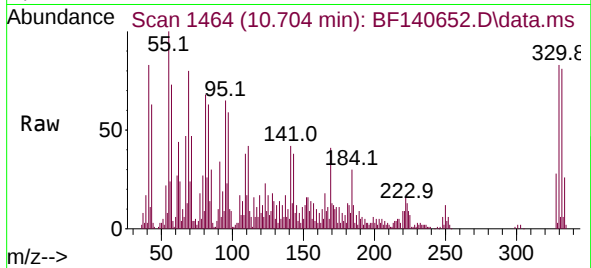
Tgt Ion:164 Resp: 101641
Ion Ratio Lower Upper
164 100
162 100.2 80.6 120.8
160 45.4 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 74.076 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

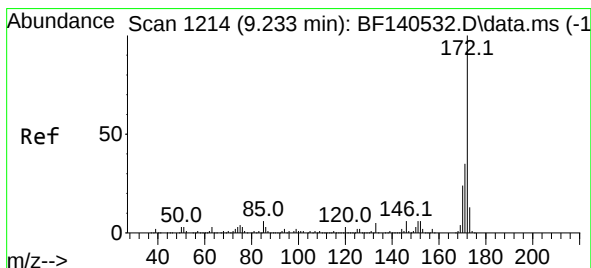
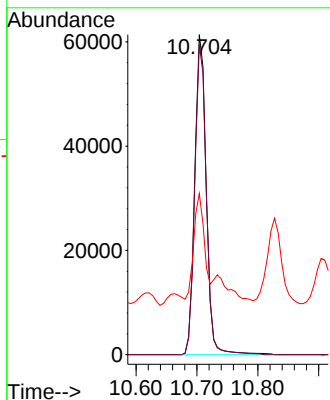
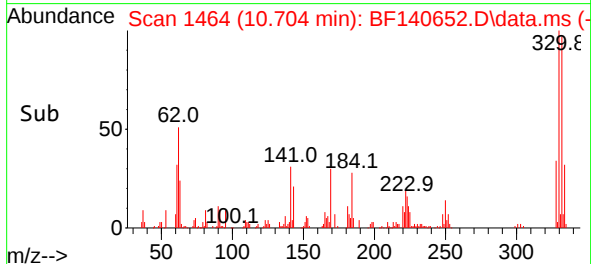
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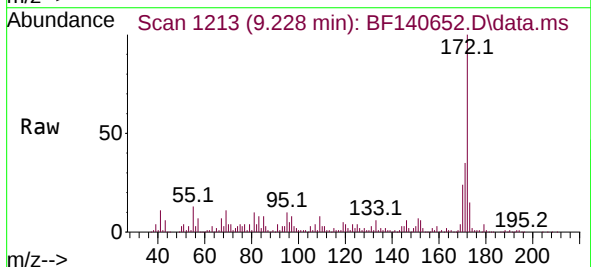
Tgt Ion: 330 Resp: 80529
Ion Ratio Lower Upper
330 100
332 97.4 76.9 115.3
141 31.6 26.7 40.1

Manual Integrations
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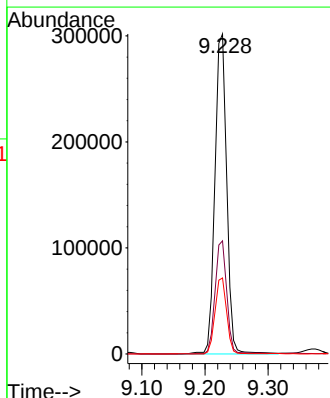
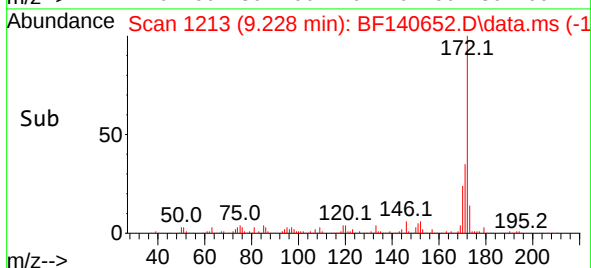
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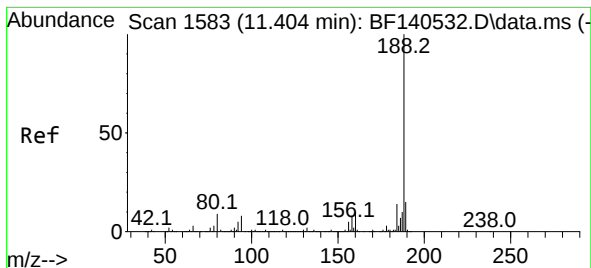


#45
2-Fluorobiphenyl
Concen: 57.435 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45



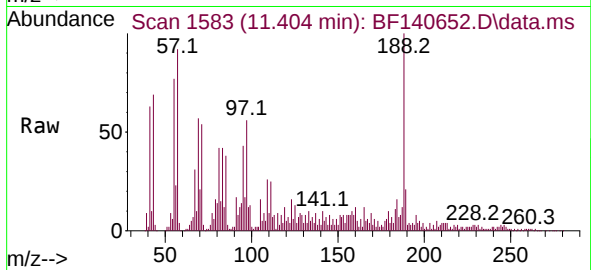
Tgt Ion: 172 Resp: 391810
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.7 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

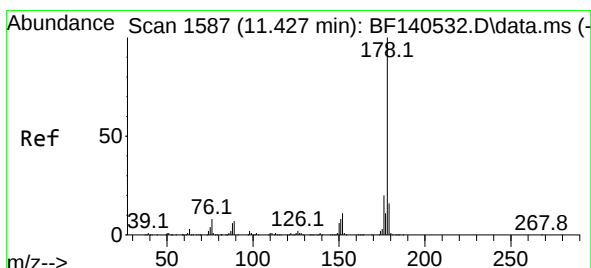
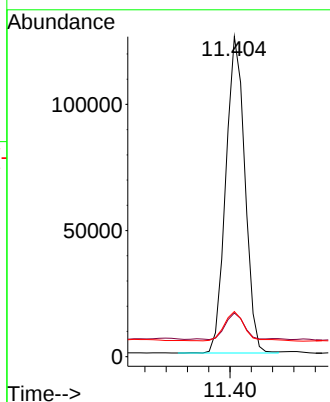
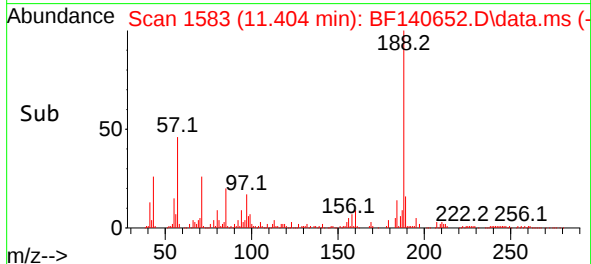
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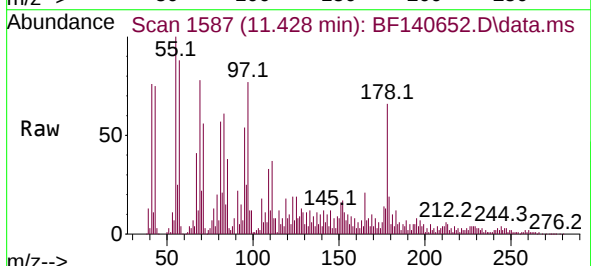
Tgt Ion:188 Resp: 15625
Ion Ratio Lower Upper
188 100
94 13.7 6.4 9.6
80 14.1 6.9 10.3

Manual Integrations
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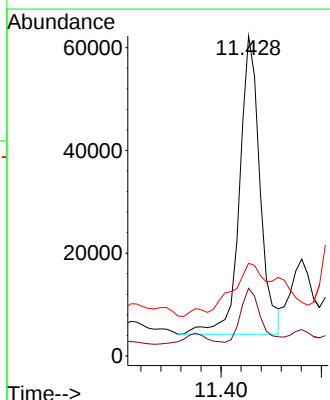
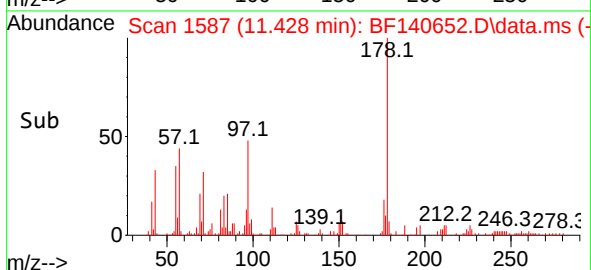
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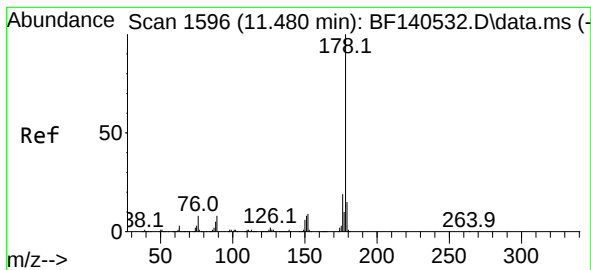


#71
Phenanthrene
Concen: 10.989 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45



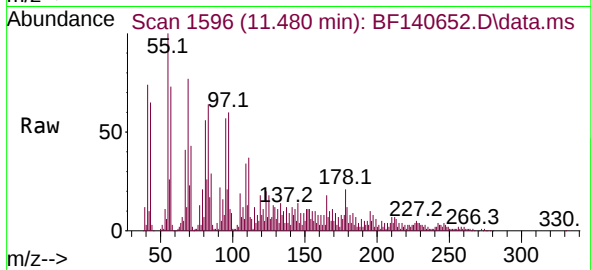
Tgt Ion:178 Resp: 82534
Ion Ratio Lower Upper
178 100
176 21.1 15.8 23.6
179 28.9 12.4 18.6





#72
 Anthracene
 Concen: 2.413 ng
 RT: 11.480 min Scan# 1596
 Delta R.T. 0.000 min
 Lab File: BF140652.D
 Acq: 26 Nov 2024 19:45

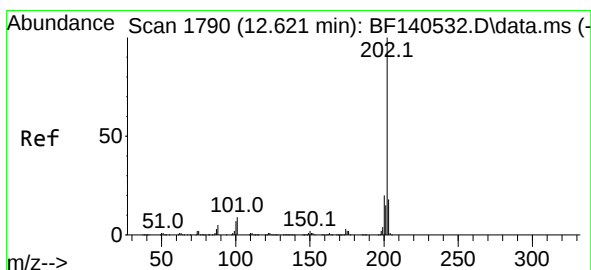
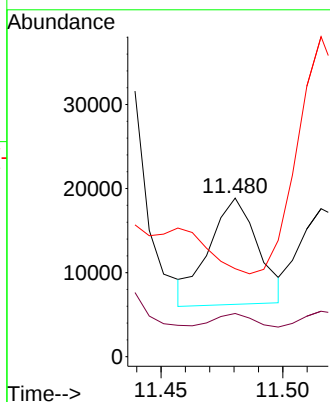
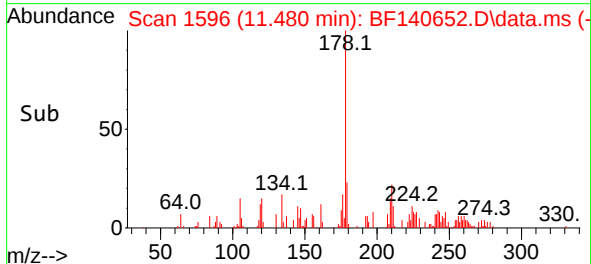
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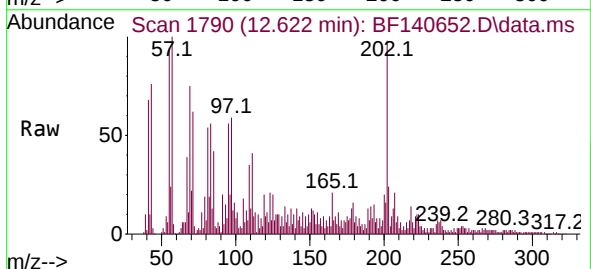
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 Ion Ratio Lower Upper
 178 100
 176 27.2 15.0 22.4
 179 55.5 12.2 18.4

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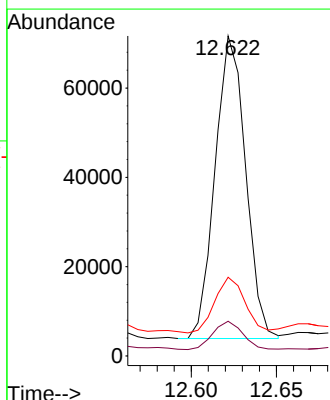
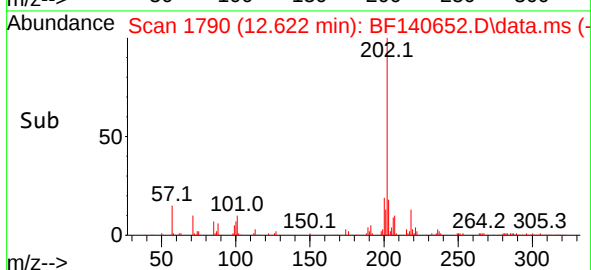
Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

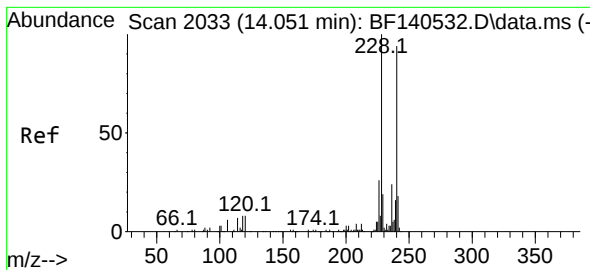


#75
 Fluoranthene
 Concen: 10.361 ng
 RT: 12.622 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF140652.D
 Acq: 26 Nov 2024 19:45



Tgt Ion:202 Resp: 84494
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 28.9
 203 24.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

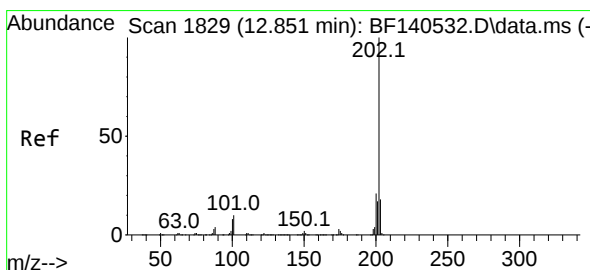
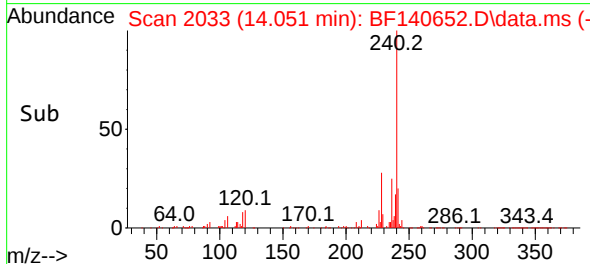
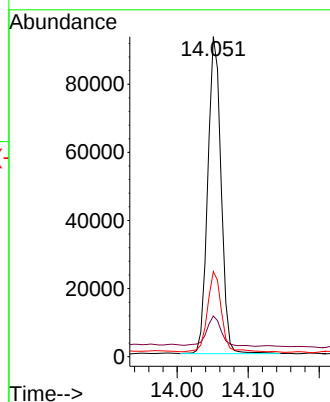
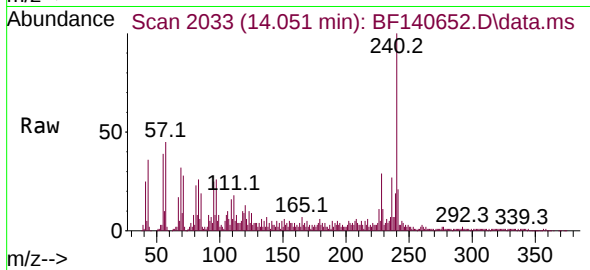
MH-733

Tgt Ion:240 Resp: 121038
Ion Ratio Lower Upper
240 100
120 12.7 7.3 10.9
236 26.6 20.6 31.0

Manual Integrations

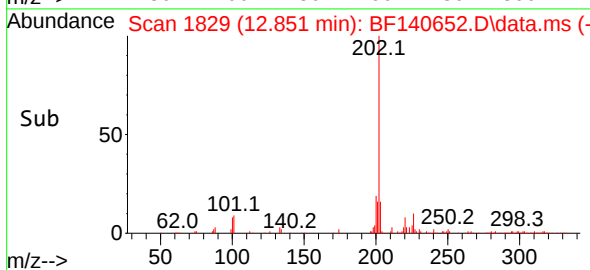
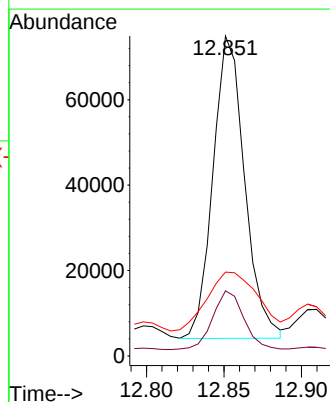
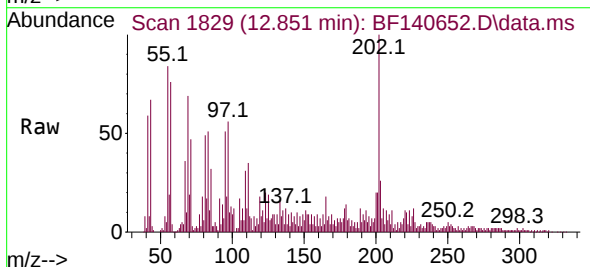
APPROVED

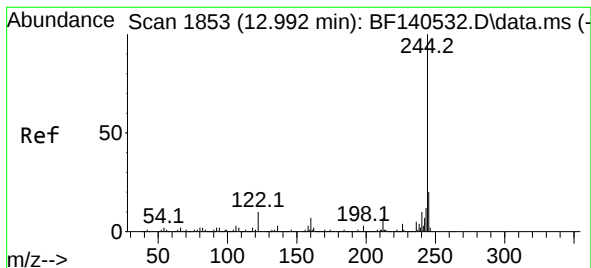
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#78
Pyrene
Concen: 8.971 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

Tgt Ion:202 Resp: 100400
Ion Ratio Lower Upper
202 100
200 20.3 16.5 24.7
203 26.2 14.2 21.4





#79

Terphenyl-d14

Concen: 41.201 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140652.D

Acq: 26 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

MH-733

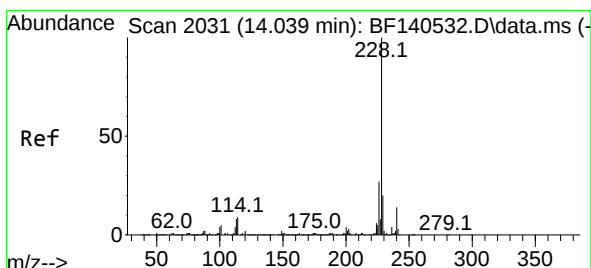
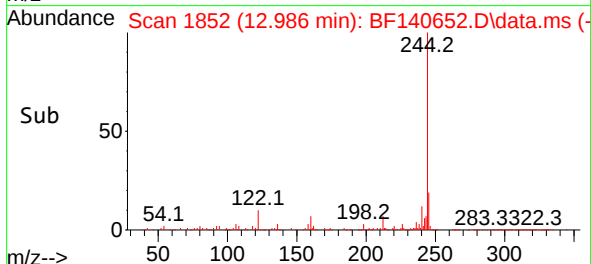
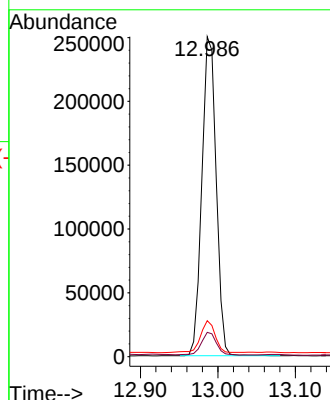
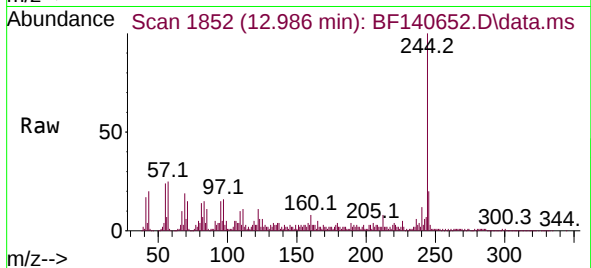
Tgt Ion:244 Resp: 320264
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 11.3 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#81

Benzo(a)anthracene

Concen: 7.487 ng

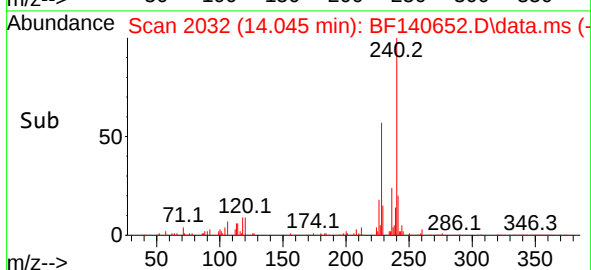
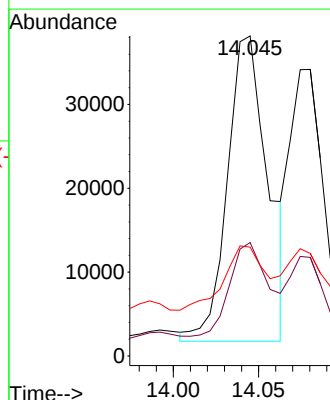
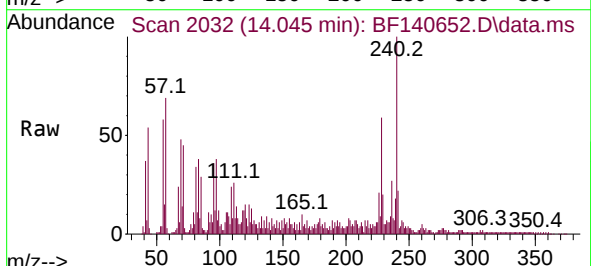
RT: 14.045 min Scan# 2032

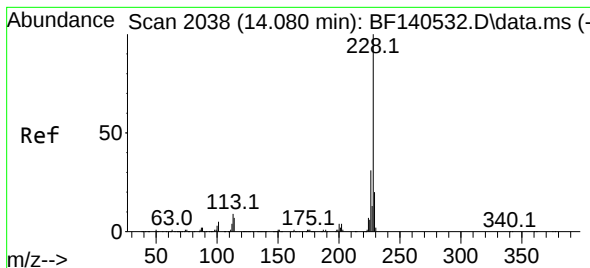
Delta R.T. 0.006 min

Lab File: BF140652.D

Acq: 26 Nov 2024 19:45

Tgt Ion:228 Resp: 59984
 Ion Ratio Lower Upper
 228 100
 226 35.5 21.8 32.8#
 229 34.0 15.8 23.6#





#83

Chrysene

Concen: 6.343 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140652.D

Acq: 26 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

MH-733

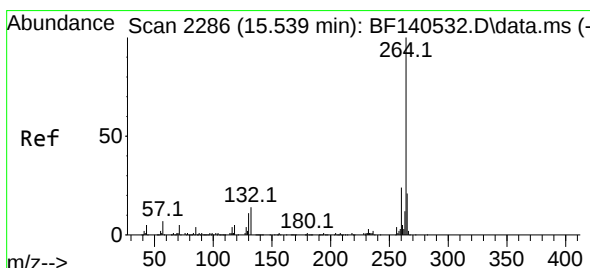
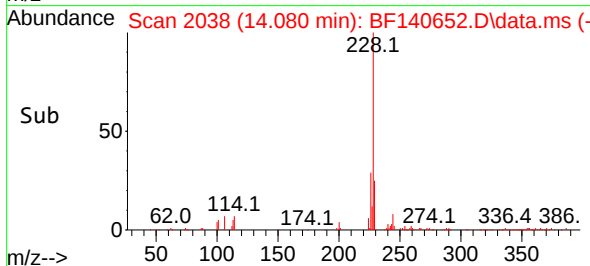
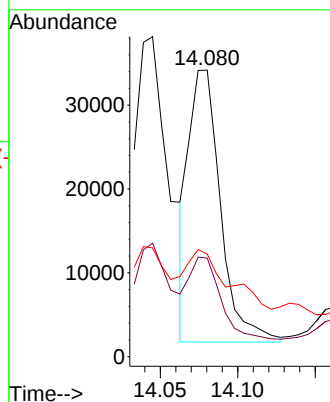
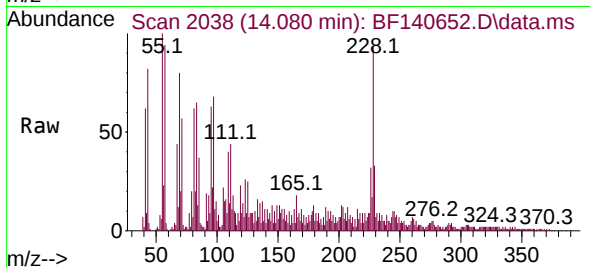
Tgt Ion:	228	Resp:	46474
Ion Ratio	Lower	Upper	
228	100		
226	34.4	24.4	36.6
229	35.8	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#86

Perylene-d12

Concen: 20.000 ng

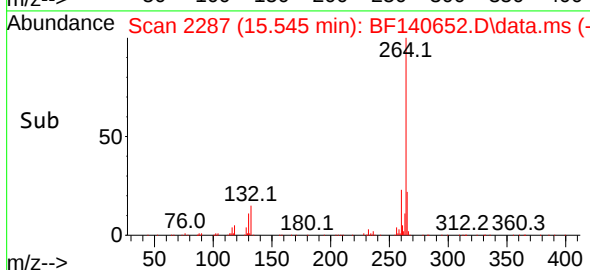
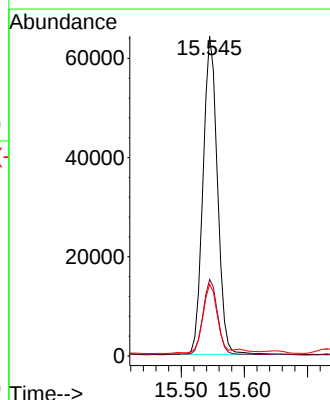
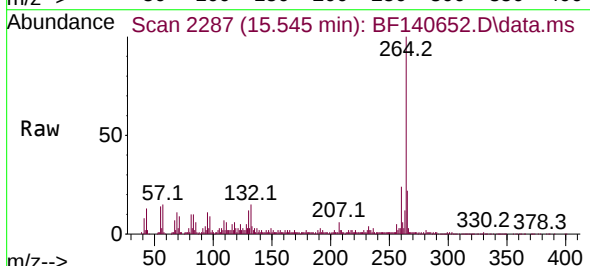
RT: 15.545 min Scan# 2287

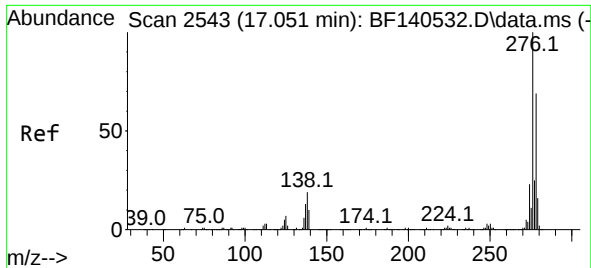
Delta R.T. 0.006 min

Lab File: BF140652.D

Acq: 26 Nov 2024 19:45

Tgt Ion:	264	Resp:	101563
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.0	28.6
265	22.4	16.6	25.0





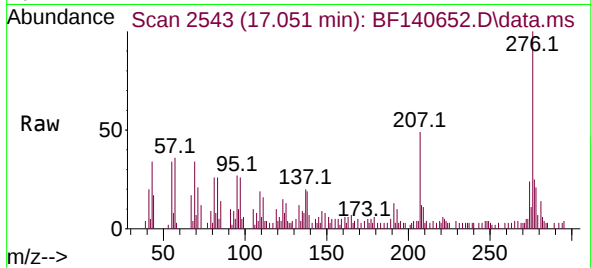
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.010 ng
RT: 17.051 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

MH-733



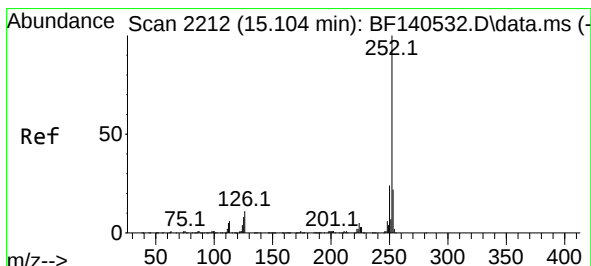
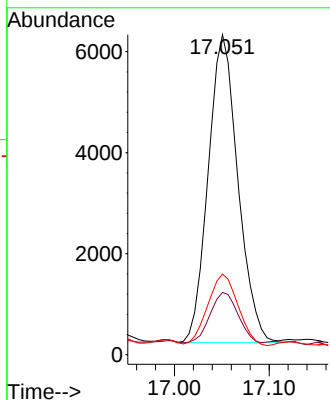
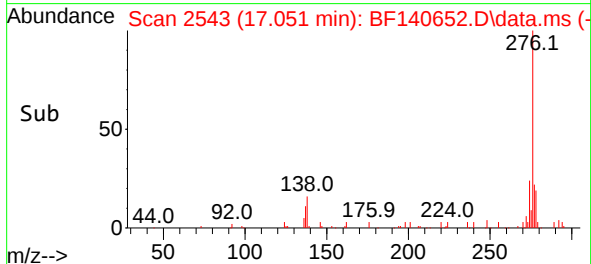
Tgt Ion:276 Resp: 1330
Ion Ratio Lower Upper
276 100
138 15.3 15.5 23.3
277 23.6 20.1 30.1

Manual Integrations

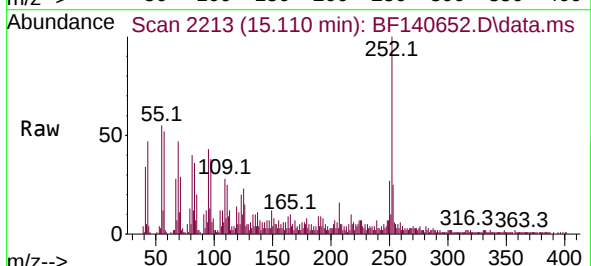
APPROVED

Reviewed By :Yogesh Patel 11/27/2024

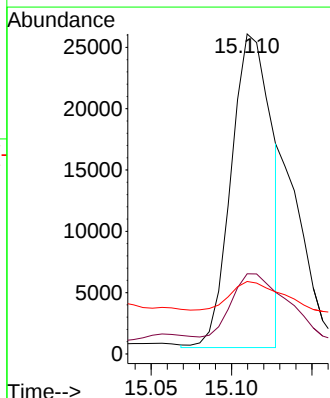
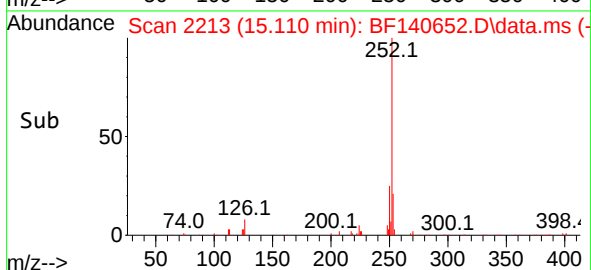
Supervised By :mohammad ahmed 11/27/2024

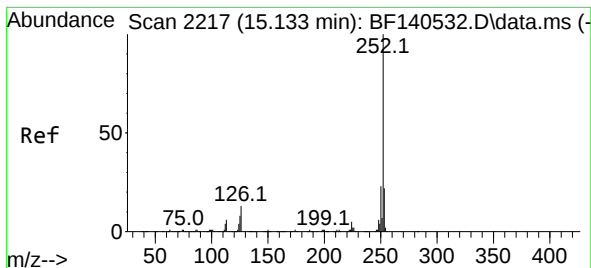


#88
Benzo(b)fluoranthene
Concen: 6.957 ng m
RT: 15.110 min Scan# 2213
Delta R.T. 0.006 min
Lab File: BF140652.D
Acq: 26 Nov 2024 19:45



Tgt Ion:252 Resp: 44381
Ion Ratio Lower Upper
252 100
253 25.1 17.2 25.8
125 22.6 6.7 10.1#





#89

Benzo(k)fluoranthene

Concen: 3.022 ng m

RT: 15.127 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF140652.D

Acq: 26 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

MH-733

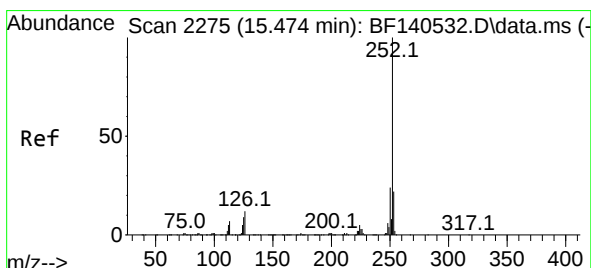
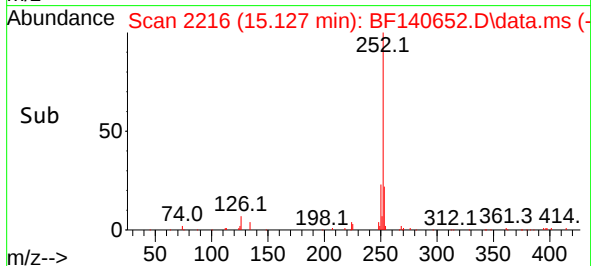
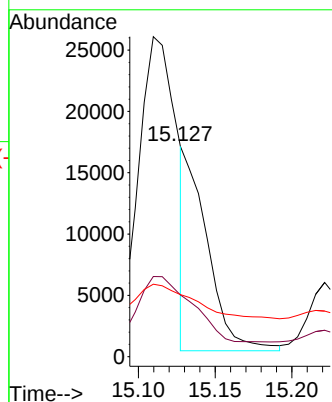
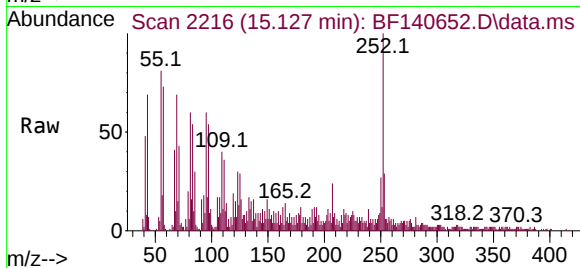
Tgt Ion:	252	Resp:	1686
Ion Ratio	Lower	Upper	
252	100		
253	29.3	17.5	26.3
125	29.5	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 5.998 ng

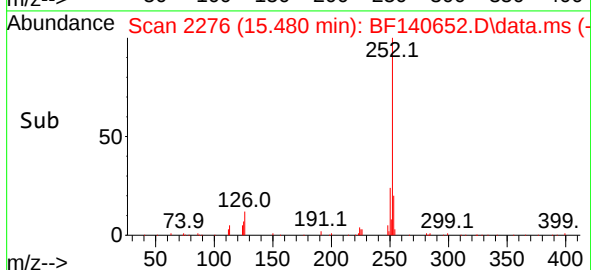
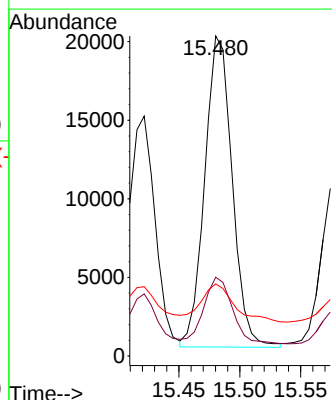
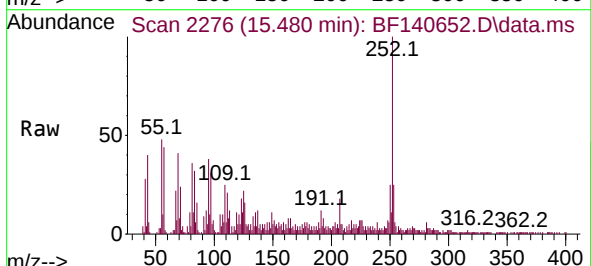
RT: 15.480 min Scan# 2276

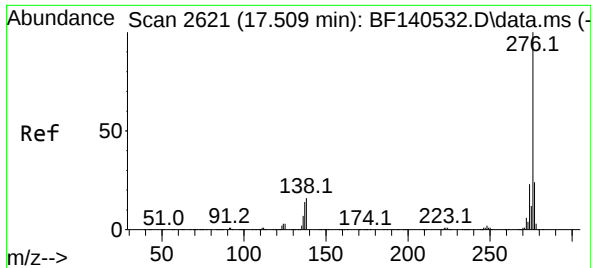
Delta R.T. 0.006 min

Lab File: BF140652.D

Acq: 26 Nov 2024 19:45

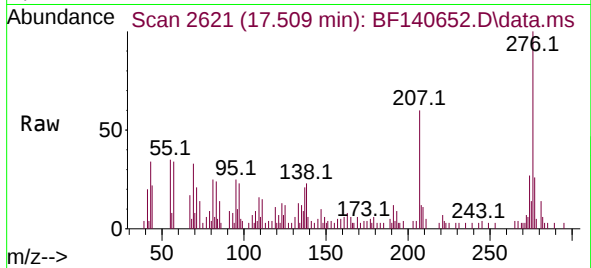
Tgt Ion:	252	Resp:	31112
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.3	25.9
125	22.5	7.0	10.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.552 ng
 RT: 17.509 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF140652.D
 Acq: 26 Nov 2024 19:45

Instrument :
 BNA_F
 ClientSampleId :
 MH-733



Tgt Ion:	276	Resp:	14118
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.9	28.3
138	23.4	13.2	19.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

