

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
 Data File : BF138257.D
 Acq On : 19 Jun 2024 20:58
 Operator : CG\JU
 Sample : P2952-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11944

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 20 01:12:09 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	6.886	152	232237	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	749902	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	223020	20.000	ng	0.01
64) Phenanthrene-d10	11.463	188	254408	20.000	ng	# 0.05
76) Chrysene-d12	14.080	240	271156	20.000	ng	# 0.03
86) Perylene-d12	15.533	264	320727	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1150346	82.861	ng	0.00
7) Phenol-d6	6.510	99	1319734	74.968	ng	-0.01
23) Nitrobenzene-d5	7.445	82	733147	56.916	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	194992	87.826	ng	0.03
45) 2-Fluorobiphenyl	9.245	172	1111411	79.244	ng	0.00
79) Terphenyl-d14	13.051	244	756187	44.169	ng	0.05
Target Compounds						
						Qvalue
71) Phenanthrene	11.486	178	286405	22.764	ng	# 29
72) Anthracene	11.539	178	65103	5.212	ng	# 1
75) Fluoranthene	12.692	202	853940	66.561	ng	91
78) Pyrene	12.921	202	858046	36.686	ng	# 95
81) Benzo(a)anthracene	14.068	228	542588	31.190	ng	97
83) Chrysene	14.104	228	565781	34.121	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	61975	8.376	ng	# 79
87) Indeno(1,2,3-cd)pyrene	17.009	276	352414	16.855	ng	97
88) Benzo(b)fluoranthene	15.109	252	786709m	41.595	ng	
89) Benzo(k)fluoranthene	15.133	252	315316m	17.011	ng	
90) Benzo(a)pyrene	15.474	252	557128	34.288	ng	# 97
91) Dibenzo(a,h)anthracene	17.027	278	94049	5.480	ng	# 88
92) Benzo(g,h,i)perylene	17.456	276	347110	19.551	ng	99

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

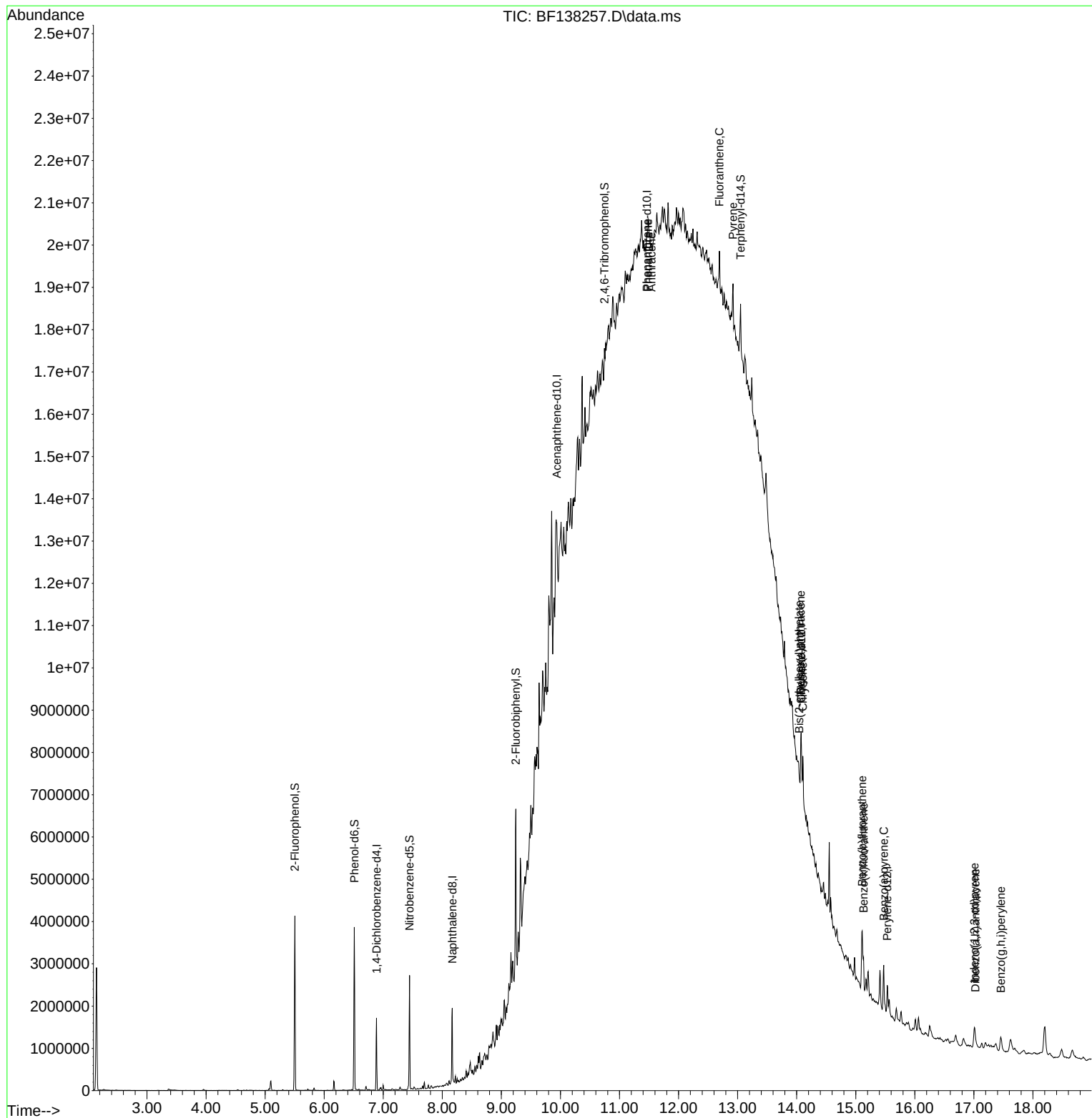
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
Data File : BF138257.D
Acq On : 19 Jun 2024 20:58
Operator : CG\JU
Sample : P2952-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

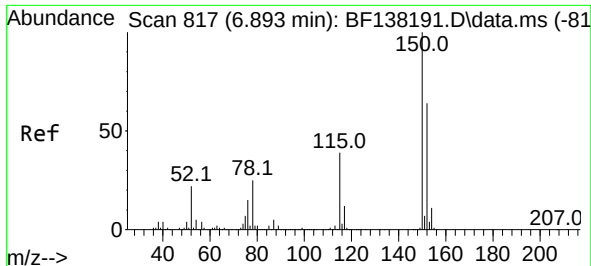
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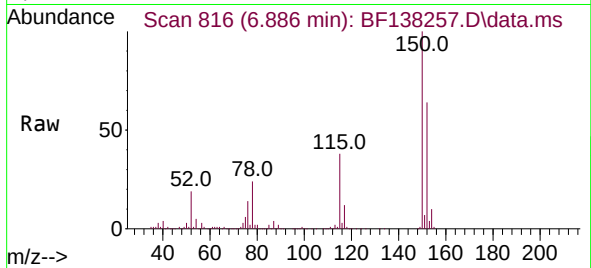
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.007 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58

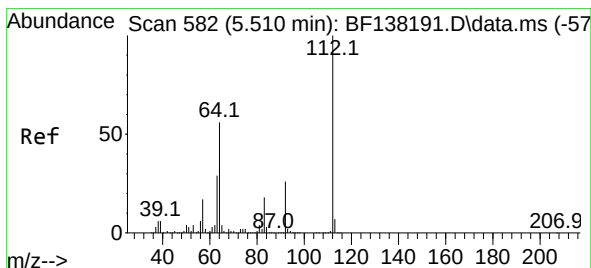
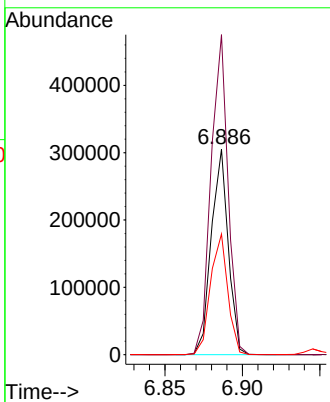
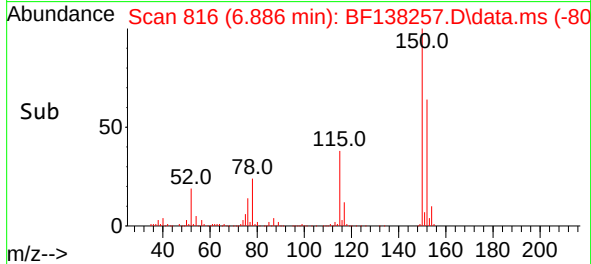
Instrument :
BNA_F
ClientSampleId :
72-11944



Tgt Ion:152 Resp: 23223
Ion Ratio Lower Upper
152 100
150 155.7 125.0 187.4
115 58.7 48.4 72.6

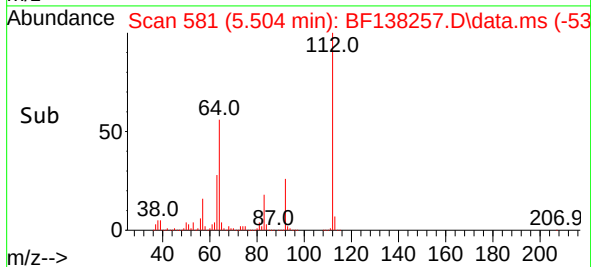
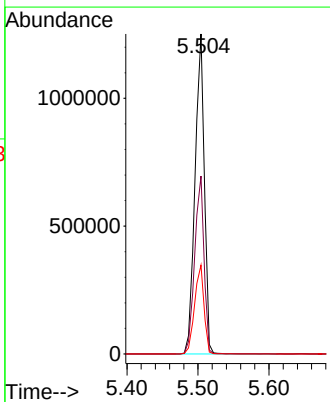
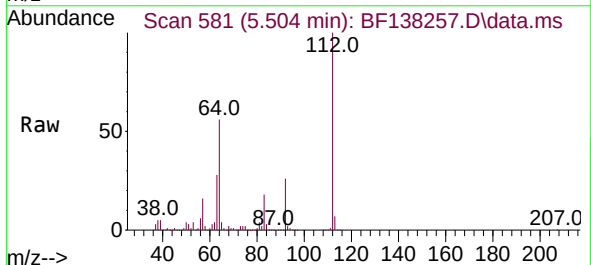
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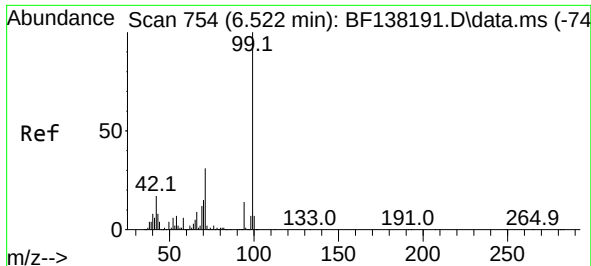
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#5
2-Fluorophenol
Concen: 82.861 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58

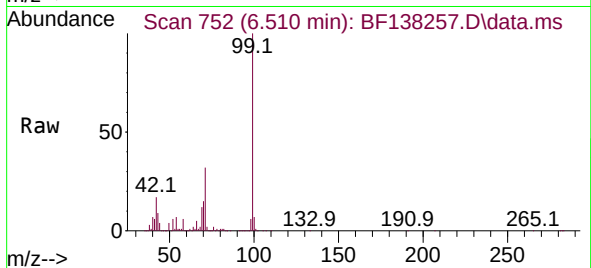
Tgt Ion:112 Resp: 1150346
Ion Ratio Lower Upper
112 100
64 55.6 45.2 67.8
63 27.7 22.9 34.3





#7
Phenol-d6
Concen: 74.968 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58

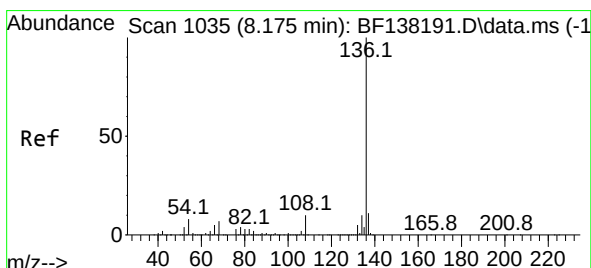
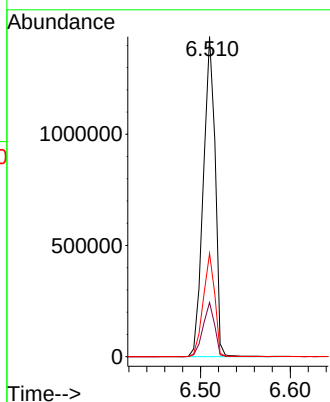
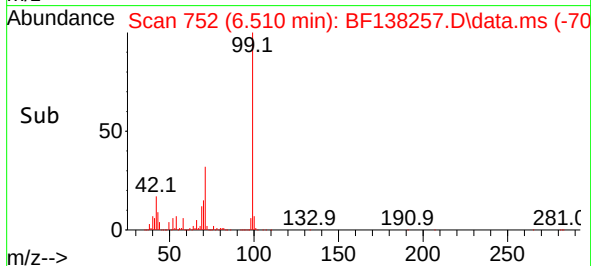
Instrument :
BNA_F
ClientSampleId :
72-11944



Tgt Ion: 99 Resp: 1319734
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 32.3 25.0 37.6

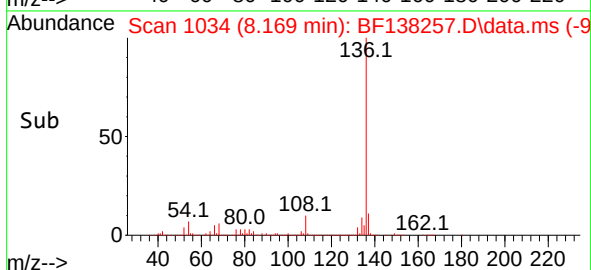
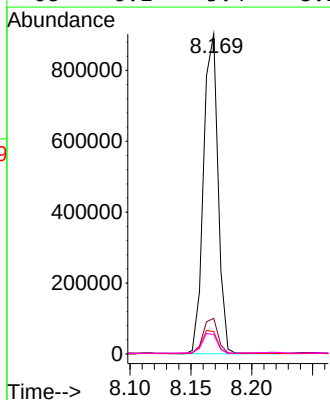
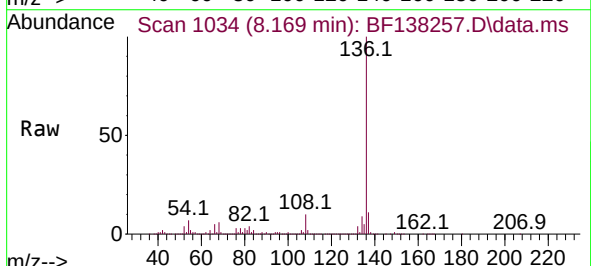
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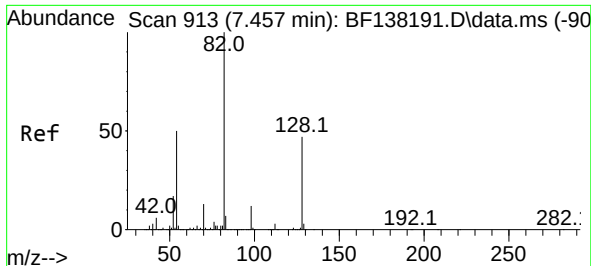
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58

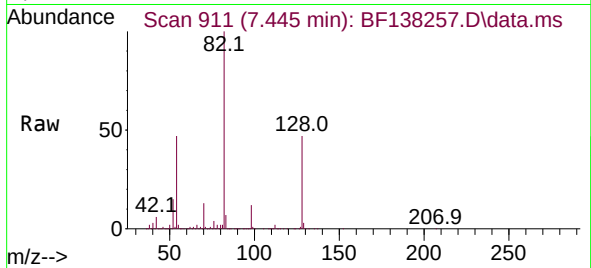
Tgt Ion:136 Resp: 749902
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.0 6.6 10.0
68 6.1 5.4 8.2





#23
Nitrobenzene-d5
Concen: 56.916 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58

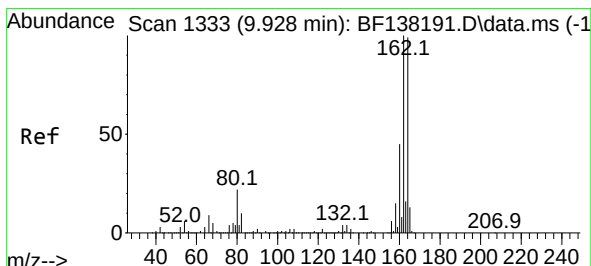
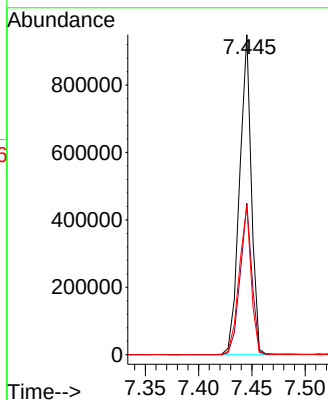
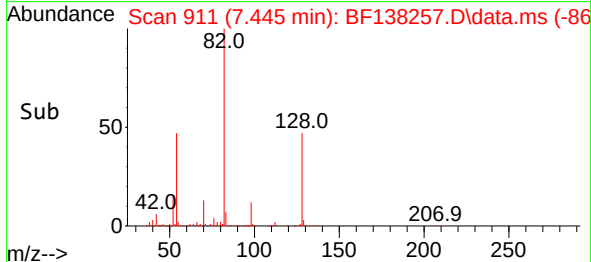
Instrument :
BNA_F
ClientSampleId :
72-11944



Tgt Ion: 82 Resp: 73314
Ion Ratio Lower Upper
82 100
128 47.3 37.2 55.8
54 46.6 39.8 59.6

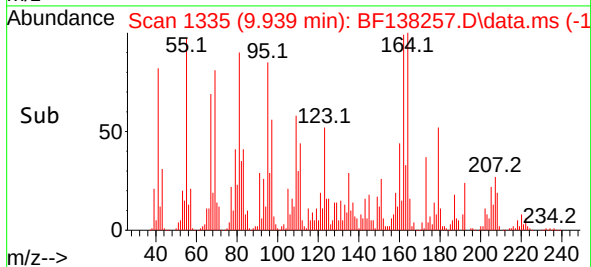
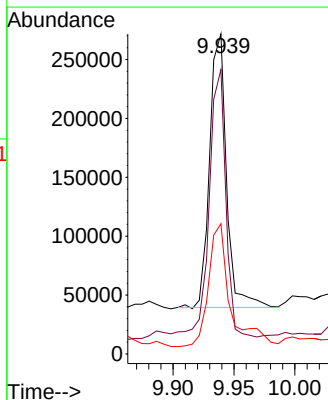
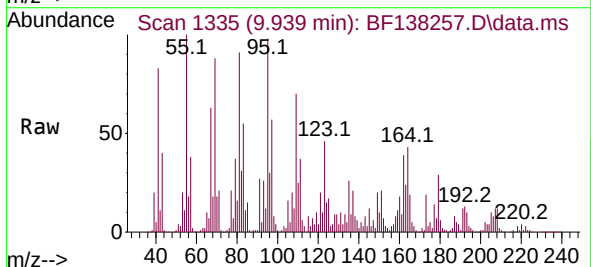
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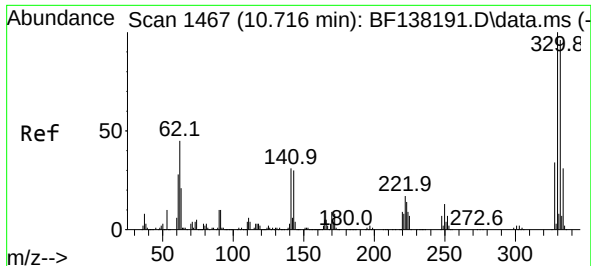
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58

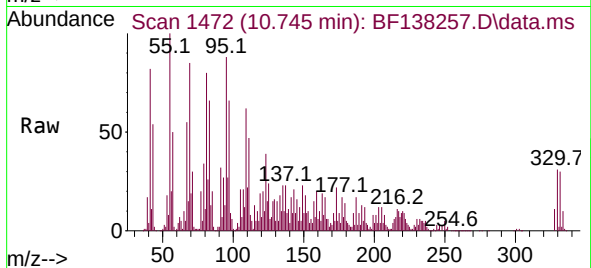
Tgt Ion:164 Resp: 223020
Ion Ratio Lower Upper
164 100
162 88.9 80.6 121.0
160 40.7 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 87.826 ng
RT: 10.745 min Scan# 1467
Delta R.T. 0.029 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58

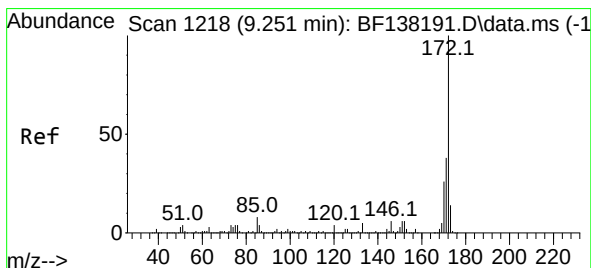
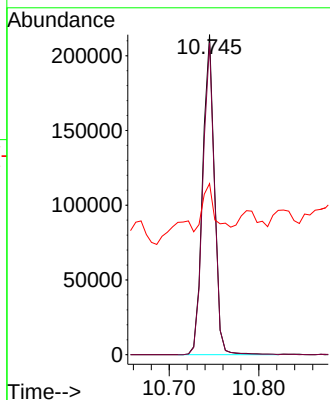
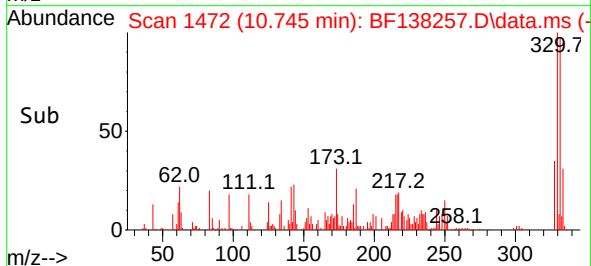
Instrument :
BNA_F
ClientSampleId :
72-11944



Tgt Ion: 330 Resp: 194992
Ion Ratio Lower Upper
330 100
332 96.6 76.6 115.0
141 15.2 23.9 35.9

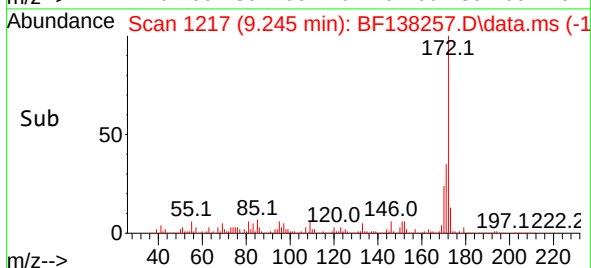
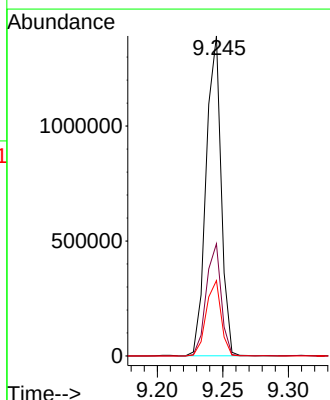
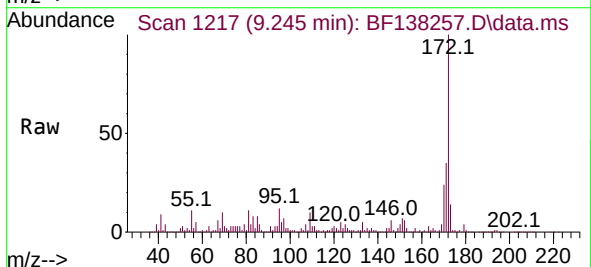
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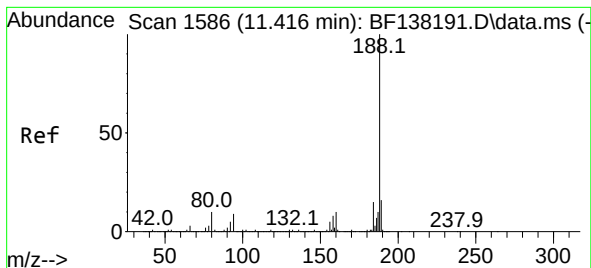
Reviewed By : Jagrut Upadhyay 06/20/2024
Supervised By : mohammad ahmed 06/21/2024



#45
2-Fluorobiphenyl
Concen: 79.244 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58

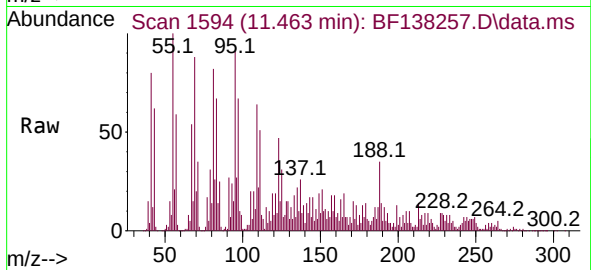
Tgt Ion: 172 Resp: 1111411
Ion Ratio Lower Upper
172 100
171 35.1 30.3 45.5
170 23.5 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.047 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58

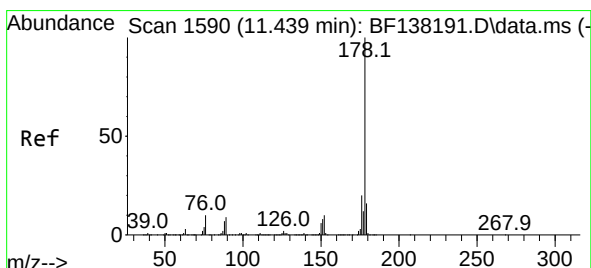
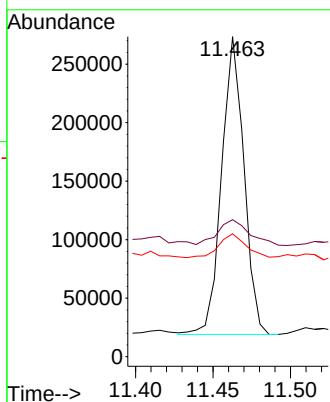
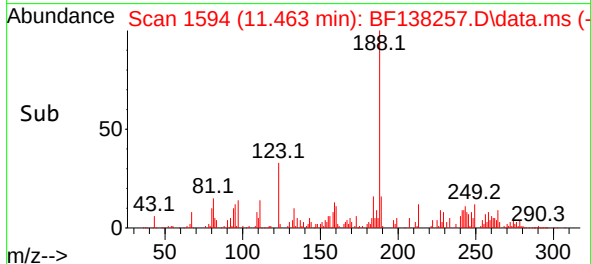
Instrument :
BNA_F
ClientSampleId :
72-11944



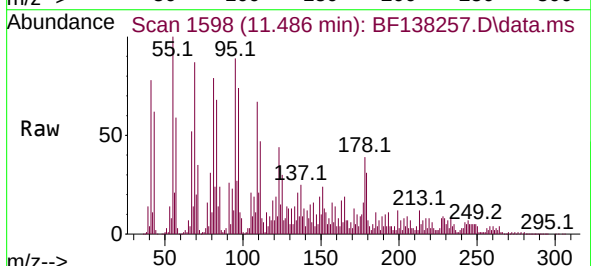
Tgt Ion:188 Resp: 254408
Ion Ratio Lower Upper
188 100
94 42.8 7.6 11.4#
80 38.4 8.1 12.1#

Manual Integrations
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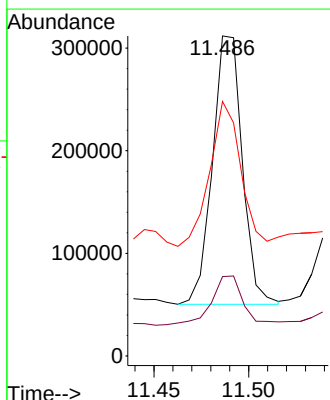
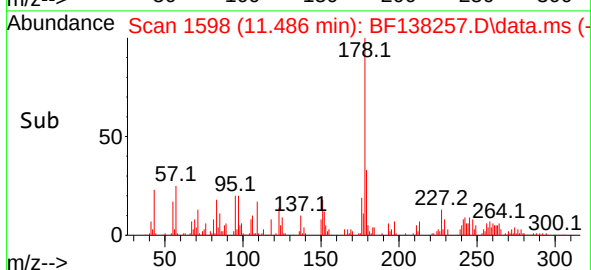
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024

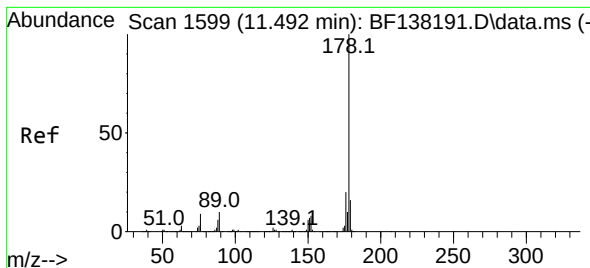


#71
Phenanthrene
Concen: 22.764 ng
RT: 11.486 min Scan# 1598
Delta R.T. 0.047 min
Lab File: BF138257.D
Acq: 19 Jun 2024 20:58



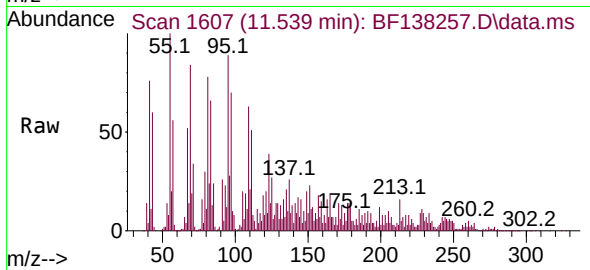
Tgt Ion:178 Resp: 286405
Ion Ratio Lower Upper
178 100
176 24.8 16.4 24.6#
179 79.6 13.1 19.7#





#72
 Anthracene
 Concen: 5.212 ng
 RT: 11.539 min Scan# 1100
 Delta R.T. 0.047 min
 Lab File: BF138257.D
 Acq: 19 Jun 2024 20:58

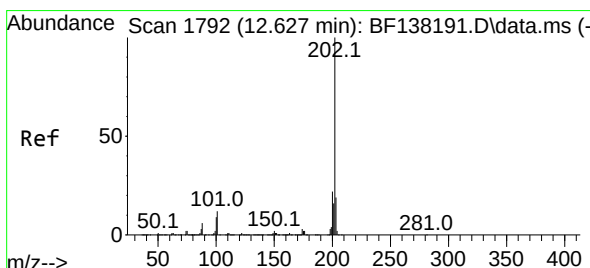
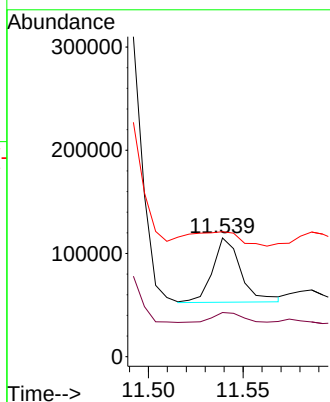
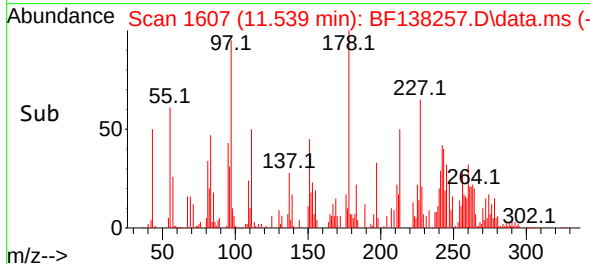
Instrument :
 BNA_F
 ClientSampleId :
 72-11944



Tgt Ion:178 Resp: 65100
 Ion Ratio Lower Upper
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 176 37.2 15.7 23.5
 179 105.3 13.0 19.6

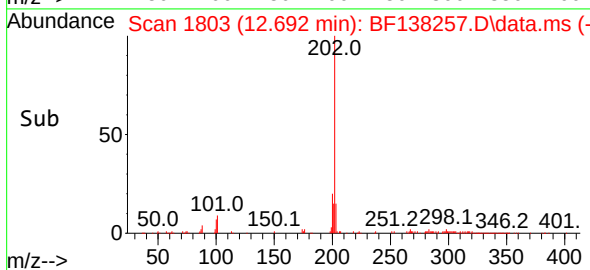
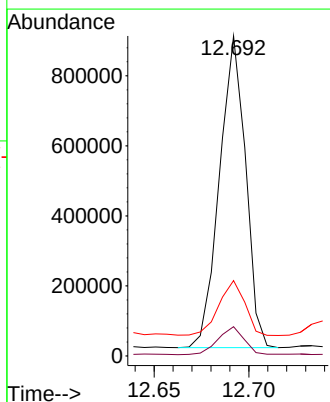
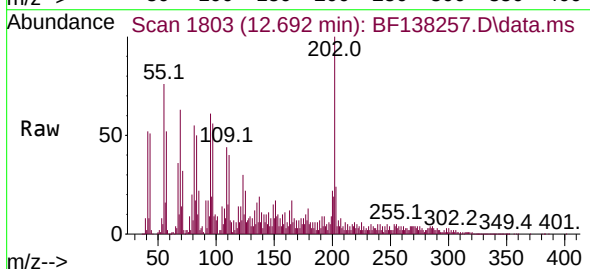
Manual Integrations
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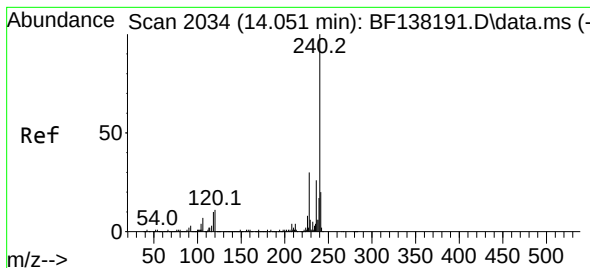
Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024



#75
 Fluoranthene
 Concen: 66.561 ng
 RT: 12.692 min Scan# 1803
 Delta R.T. 0.065 min
 Lab File: BF138257.D
 Acq: 19 Jun 2024 20:58

Tgt Ion:202 Resp: 853940
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 31.8
 203 23.5 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2034

Delta R.T. 0.029 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Instrument :

BNA_F

ClientSampleId :

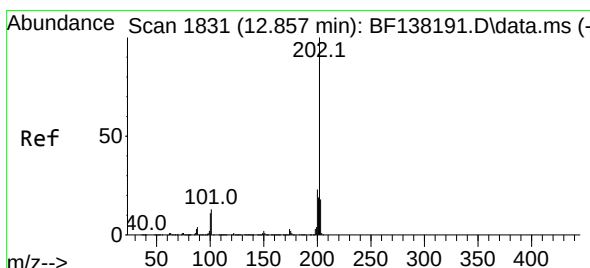
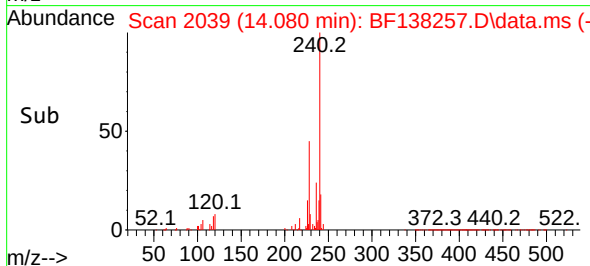
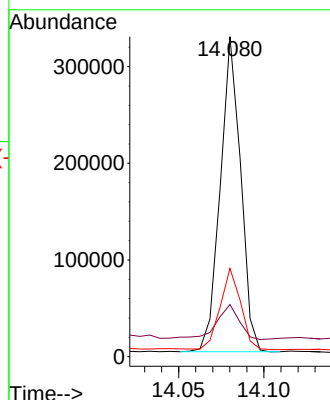
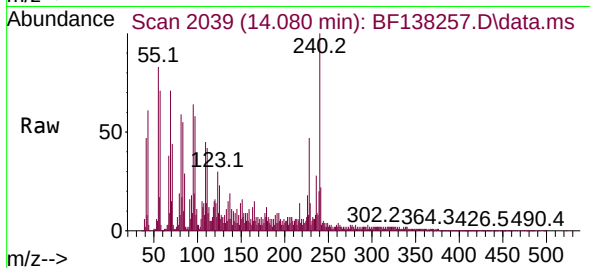
72-11944

Tgt Ion:240	Resp: 271150
Ion Ratio	Lower Upper
240	100
120	16.3 9.2 13.8
236	27.6 21.0 31.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#78

Pyrene

Concen: 36.686 ng

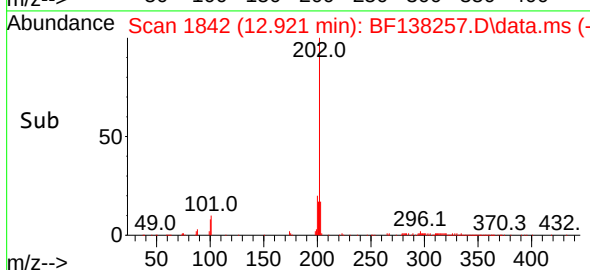
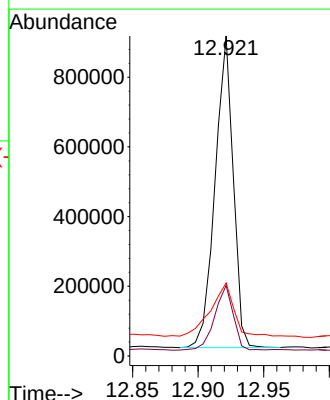
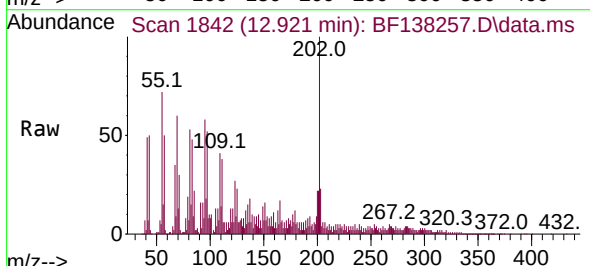
RT: 12.921 min Scan# 1842

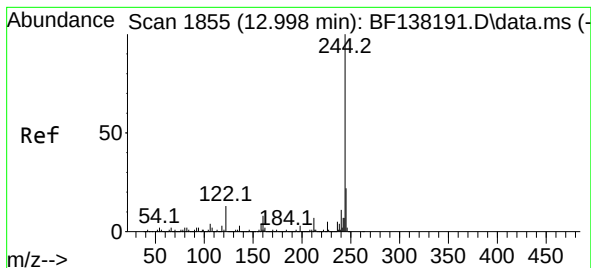
Delta R.T. 0.064 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Tgt Ion:202	Resp: 858046
Ion Ratio	Lower Upper
202	100
200	22.0 18.0 27.0
203	22.8 14.7 22.1





#79

Terphenyl-d14

Concen: 44.169 ng

RT: 13.051 min Scan# 1864

Delta R.T. 0.053 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Instrument :

BNA_F

ClientSampleId :

72-11944

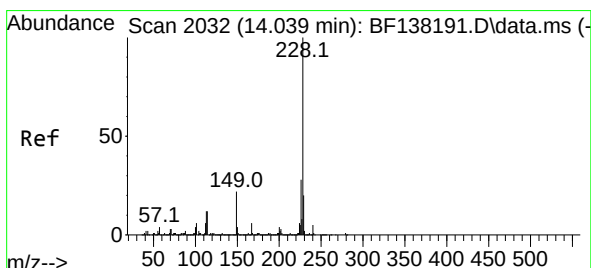
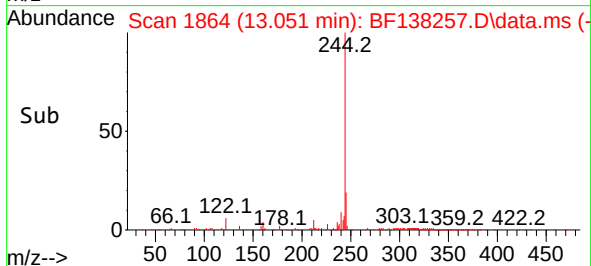
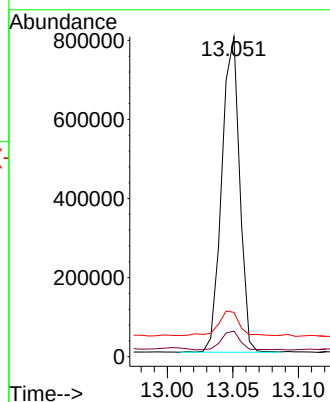
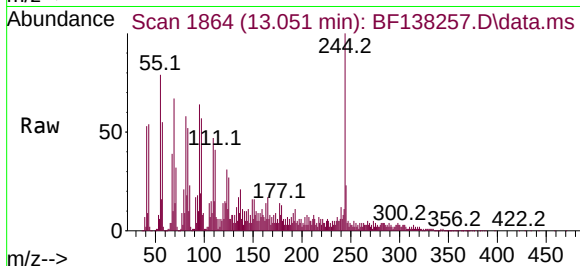
Tgt Ion:244 Resp: 75618

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.9	8.9
122	13.9	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#81

Benzo(a)anthracene

Concen: 31.190 ng

RT: 14.068 min Scan# 2037

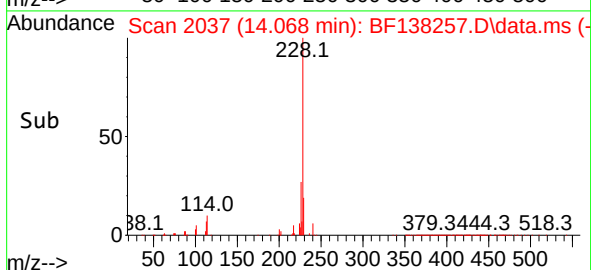
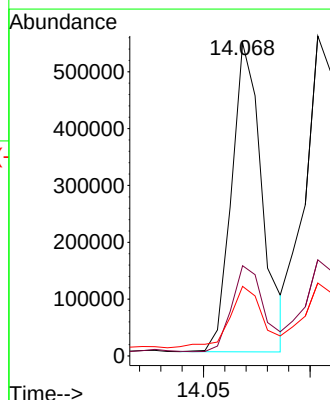
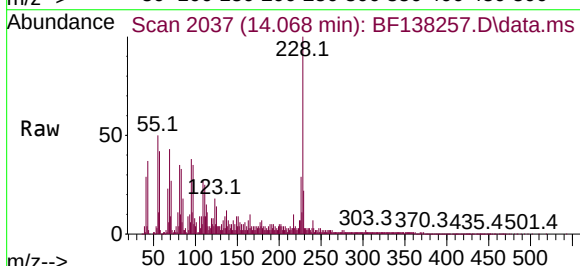
Delta R.T. 0.029 min

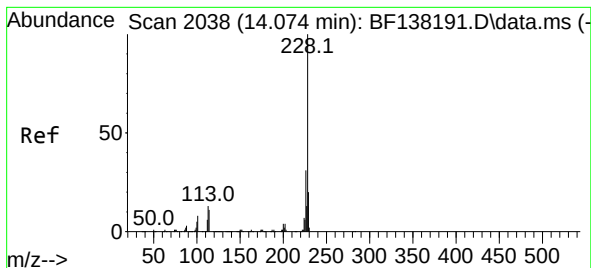
Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Tgt Ion:228 Resp: 542588

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.5	33.7
229	22.3	16.3	24.5





#83

Chrysene

Concen: 34.121 ng

RT: 14.104 min Scan# 2038

Delta R.T. 0.029 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Instrument :

BNA_F

ClientSampleId :

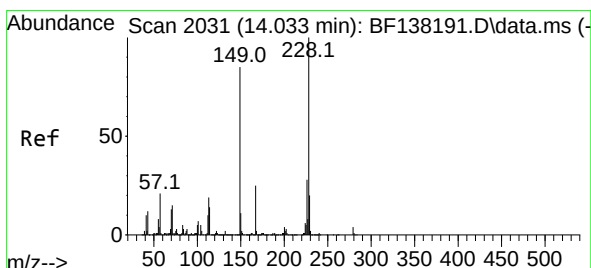
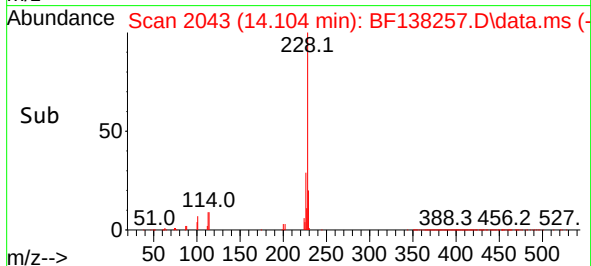
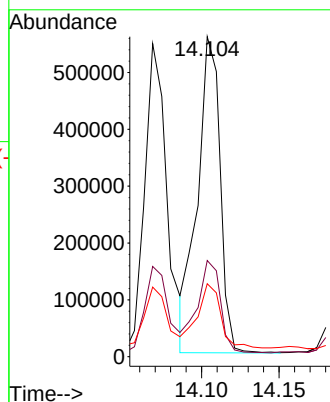
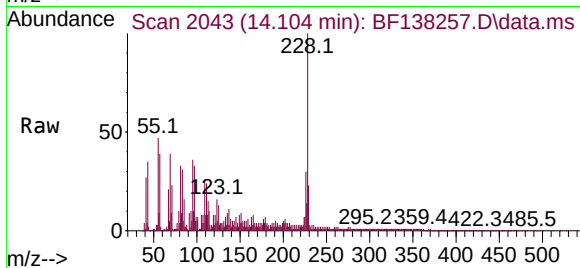
72-11944

Tgt Ion:228 Resp: 56578

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 :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.376 ng

RT: 14.045 min Scan# 2033

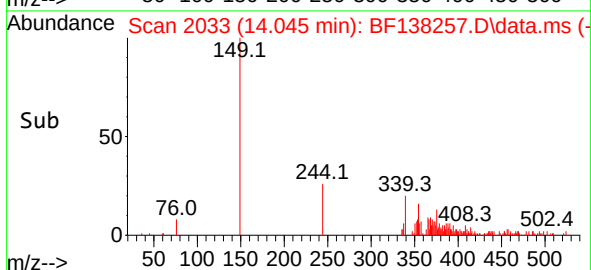
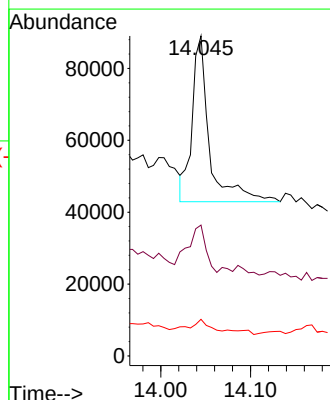
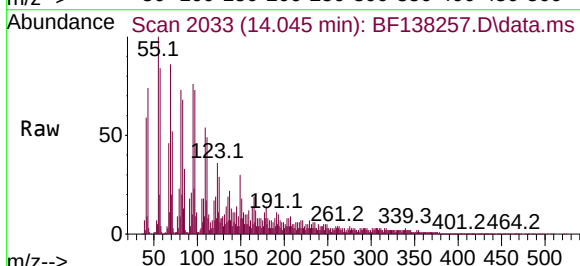
Delta R.T. 0.012 min

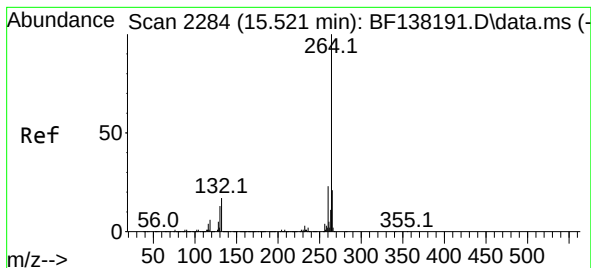
Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Tgt Ion:149 Resp: 61975

Ion	Ratio	Lower	Upper
149	100		
167	40.9	23.5	35.3#
279	11.4	4.2	6.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2286

Delta R.T. 0.012 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Instrument :

BNA_F

ClientSampleId :

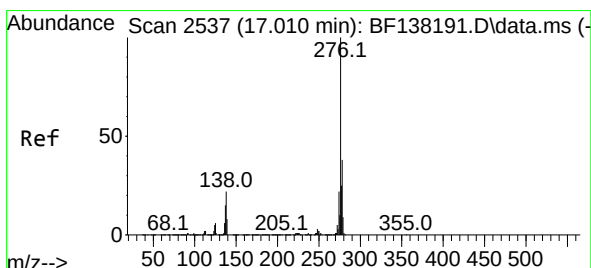
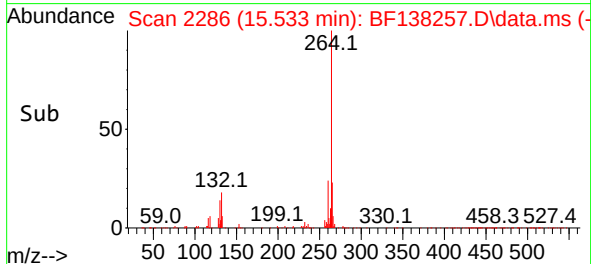
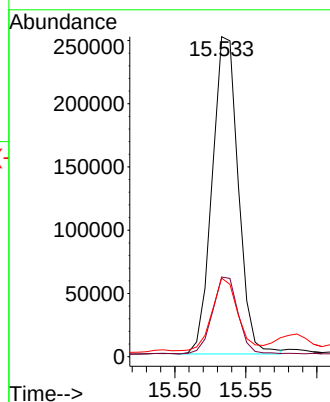
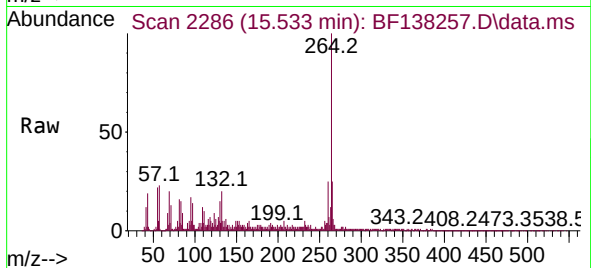
72-11944

Tgt Ion:	264	Resp:	32072
Ion Ratio	Lower	Upper	
264	100		
260	24.9	18.7	28.1
265	24.6	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.855 ng

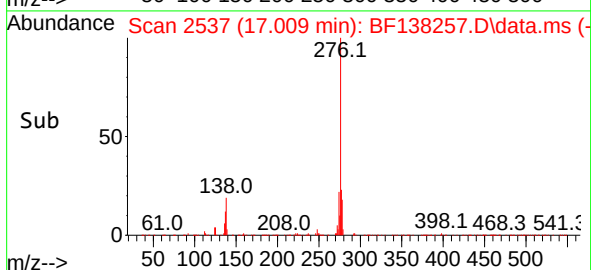
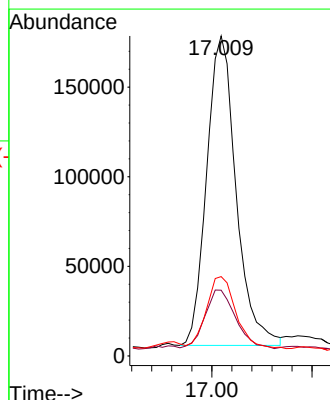
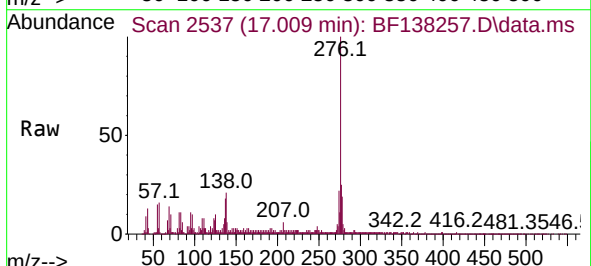
RT: 17.009 min Scan# 2537

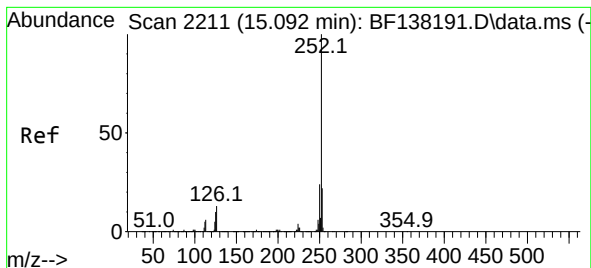
Delta R.T. -0.000 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Tgt Ion:	276	Resp:	352414
Ion Ratio	Lower	Upper	
276	100		
138	21.2	19.3	28.9
277	25.1	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 41.595 ng m

RT: 15.109 min Scan# 2214

Delta R.T. 0.017 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Instrument :

BNA_F

ClientSampleId :

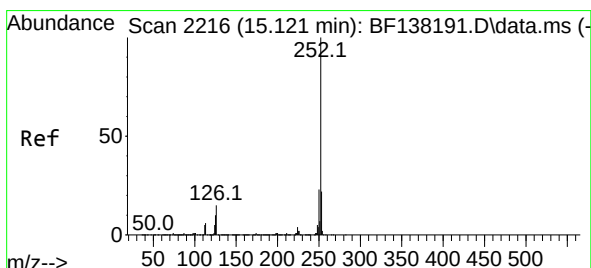
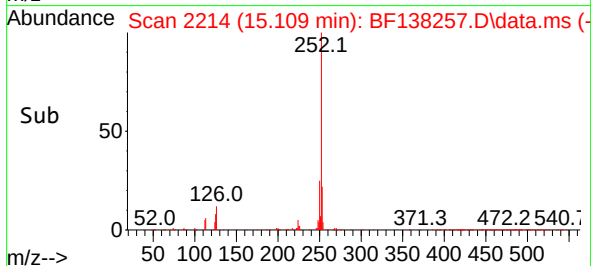
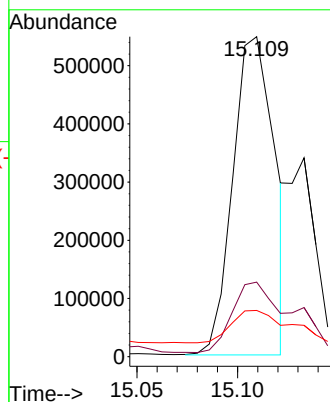
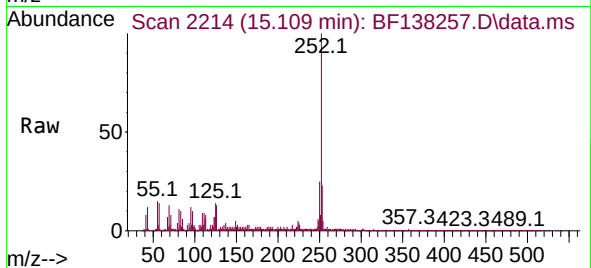
72-11944

Tgt Ion:252 Resp: 786709
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.7 26.5
 125 14.5 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024



#89

Benzo(k)fluoranthene

Concen: 17.011 ng m

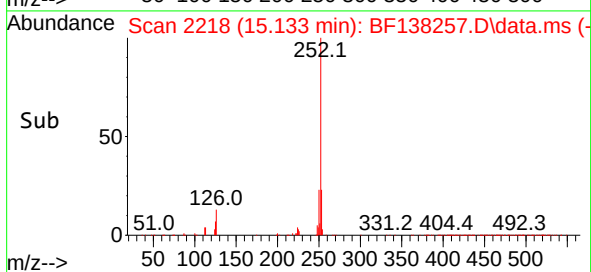
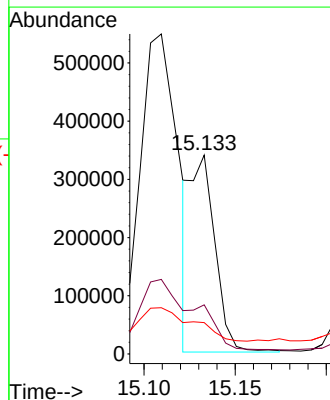
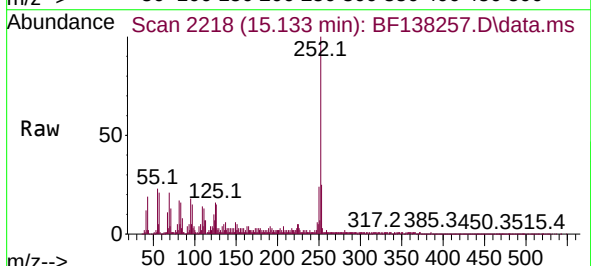
RT: 15.133 min Scan# 2218

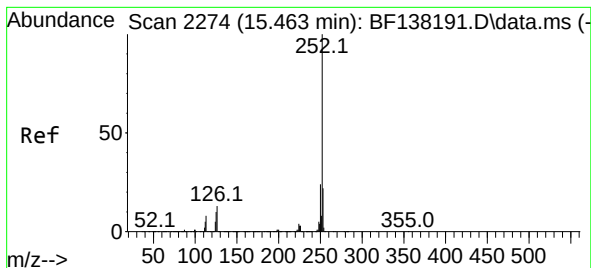
Delta R.T. 0.012 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Tgt Ion:252 Resp: 315316
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.8 26.8
 125 15.8 8.0 12.0





#90

Benzo(a)pyrene

Concen: 34.288 ng

RT: 15.474 min Scan# 2276

Delta R.T. 0.012 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

Instrument :

BNA_F

ClientSampleId :

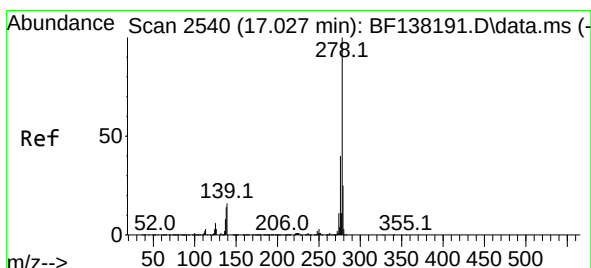
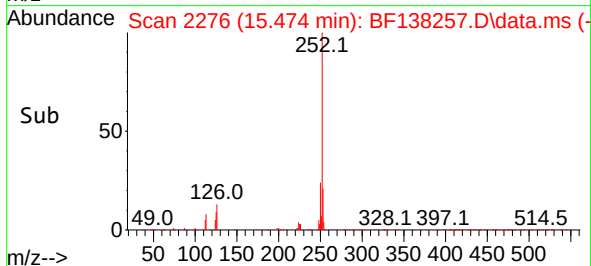
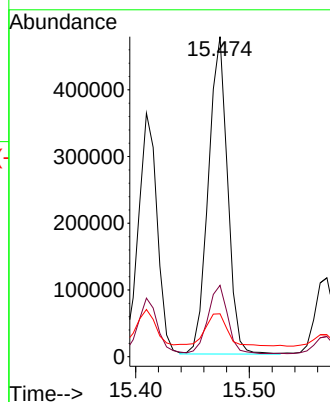
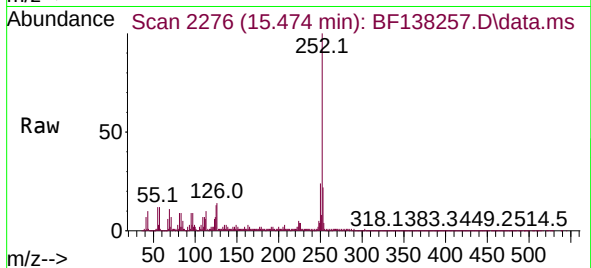
72-11944

Tgt Ion:252 Resp: 557128
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 13.4 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024



#91

Dibenzo(a,h)anthracene

Concen: 5.480 ng

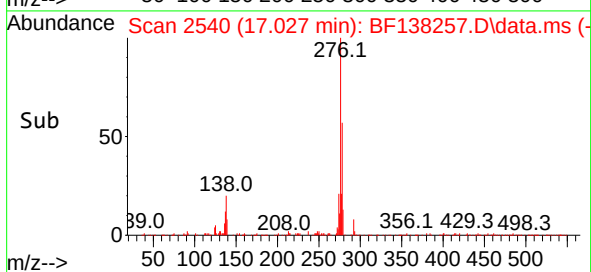
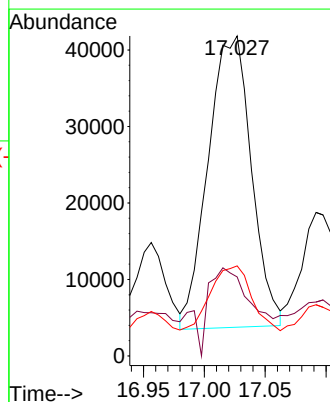
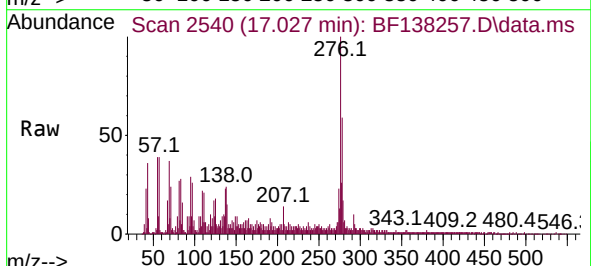
RT: 17.027 min Scan# 2540

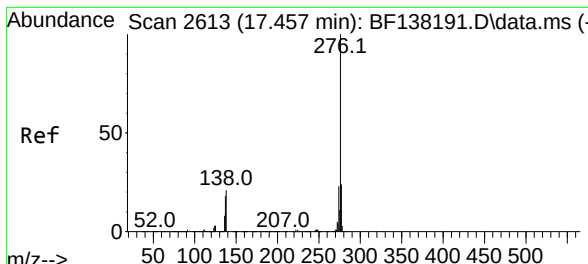
Delta R.T. -0.000 min

Lab File: BF138257.D

Acq: 19 Jun 2024 20:58

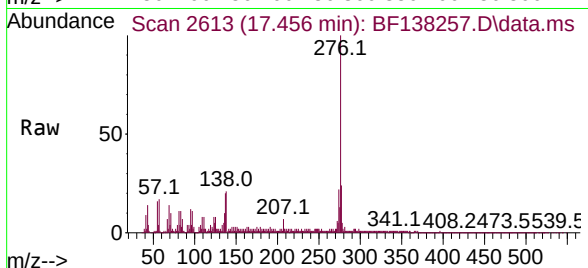
Tgt Ion:278 Resp: 94049
 Ion Ratio Lower Upper
 278 100
 139 24.7 12.9 19.3
 279 28.2 19.9 29.9





#92
 Benzo(g,h,i)perylene
 Concen: 19.551 ng
 RT: 17.456 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF138257.D
 Acq: 19 Jun 2024 20:58

Instrument :
 BNA_F
 ClientSampleId :
 72-11944



Tgt Ion: 276 Resp: 347110
 Ion Ratio Lower Upper
 276 100
 277 24.4 19.5 29.3
 138 21.4 16.6 24.8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024

