

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
 Data File : BF133628.D
 Acq On : 07 Jun 2023 16:52
 Operator : CG\JU
 Sample : 03018-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 07 17:20:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 07 11:27:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	133800	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	491857	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	218544	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	348479	20.000	ng	0.00
76) Chrysene-d12	14.010	240	244230	20.000	ng	0.00
86) Perylene-d12	15.474	264	195448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	621959	77.557	ng	0.00
7) Phenol-d6	6.463	99	752522	76.229	ng	0.00
23) Nitrobenzene-d5	7.398	82	491922	66.777	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	171561	78.753	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	807190	57.007	ng	0.00
79) Terphenyl-d14	12.951	244	674316	49.090	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	71192	2.986	ng	97
37) 2-Methylnaphthalene	8.828	142	35312	2.169	ng	99
71) Phenanthrene	11.386	178	127633	7.231	ng	99
75) Fluoranthene	12.580	202	345399	17.716	ng	97
78) Pyrene	12.810	202	344819	16.591	ng	99
81) Benzo(a)anthracene	13.998	228	183944	11.306	ng	95
83) Chrysene	14.033	228	169507	10.320	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	88801m	7.133	ng	
88) Benzo(b)fluoranthene	15.045	252	209651m	16.473	ng	
89) Benzo(k)fluoranthene	15.074	252	75563m	6.089	ng	
90) Benzo(a)pyrene	15.410	252	143366	12.380	ng	99
91) Dibenzo(a,h)anthracene	16.945	278	23212	2.300	ng	# 92
92) Benzo(g,h,i)perylene	17.368	276	85728	8.423	ng	94

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

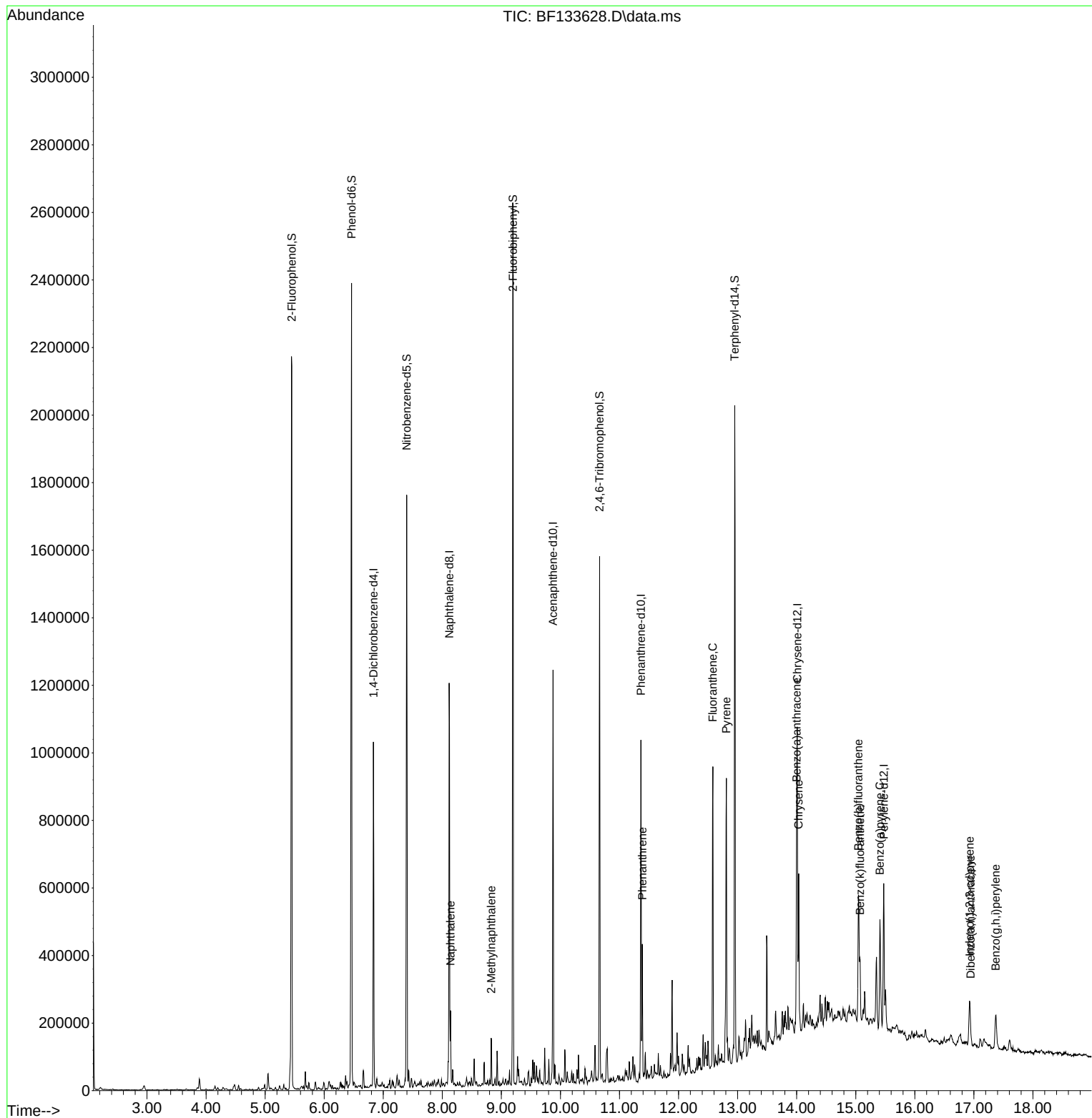
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
Data File : BF133628.D
Acq On : 07 Jun 2023 16:52
Operator : CG\JU
Sample : 03018-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

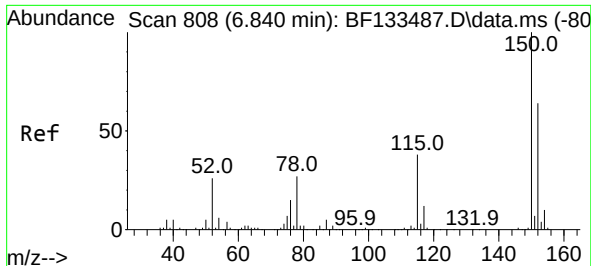
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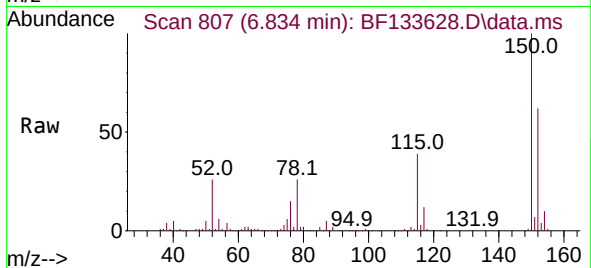
Quant Time: Jun 07 17:20:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 07 11:27:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

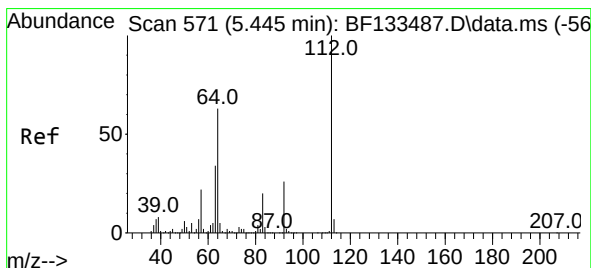
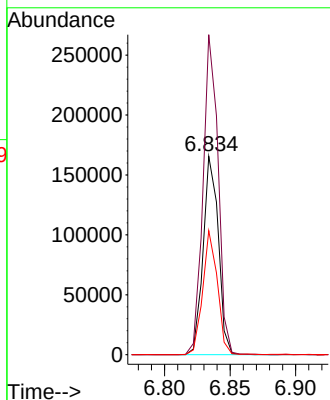
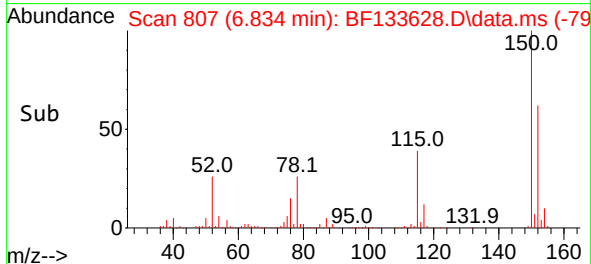
Instrument :
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Client SampleId :
72-11991



Tgt Ion:152 Resp: 133800
Ion Ratio Lower Upper
152 100
150 161.3 124.9 187.3
115 62.5 48.1 72.1

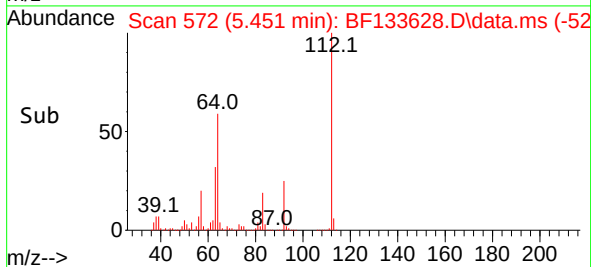
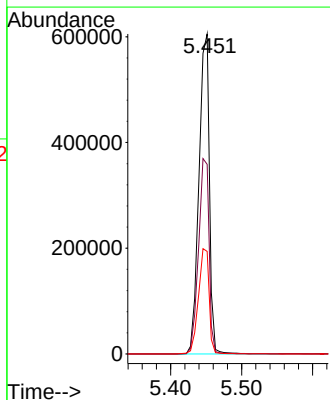
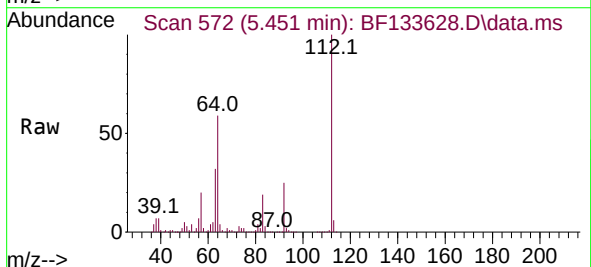
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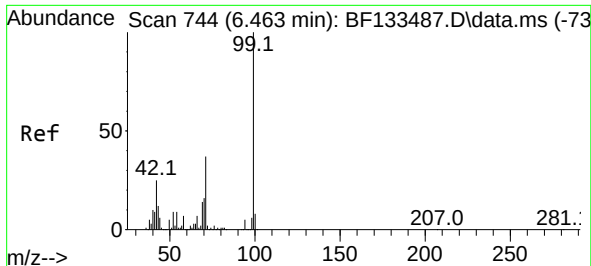
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 77.557 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

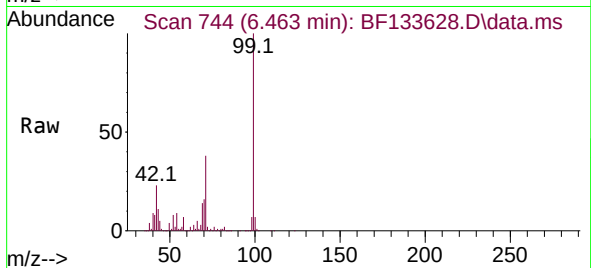
Tgt Ion:112 Resp: 621959
Ion Ratio Lower Upper
112 100
64 59.3 50.1 75.1
63 32.0 27.5 41.3





#7
Phenol-d6
Concen: 76.229 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

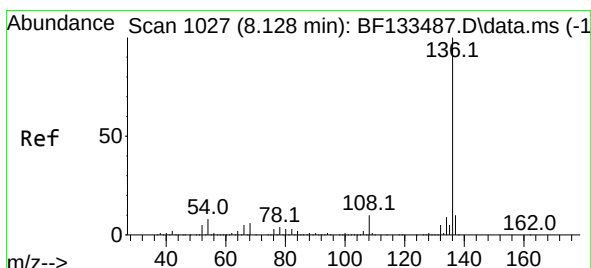
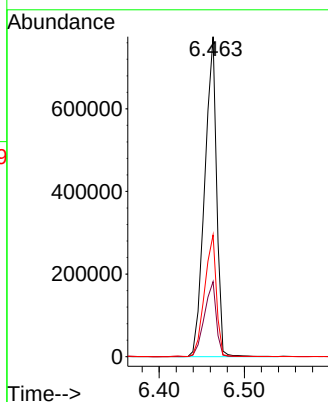
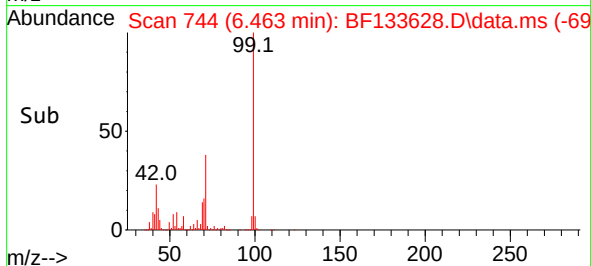
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion: 99 Resp: 75252
Ion Ratio Lower Upper
99 100
42 23.5 19.7 29.5
71 38.0 29.8 44.8

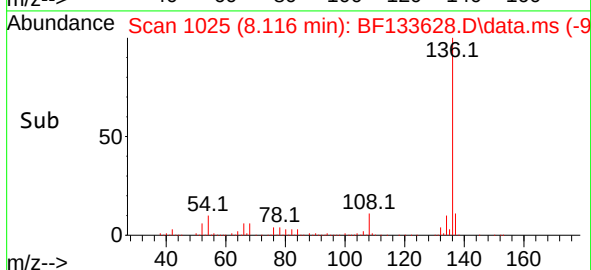
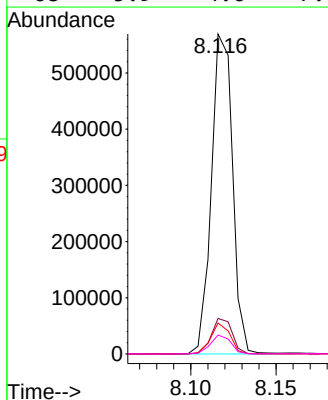
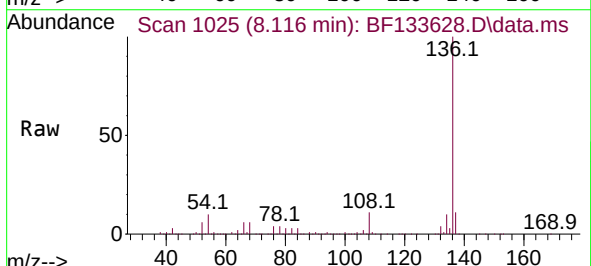
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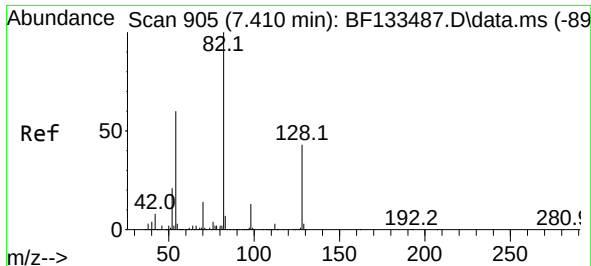
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

Tgt Ion:136 Resp: 491857
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 9.7 6.6 10.0
68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 66.777 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133628.D

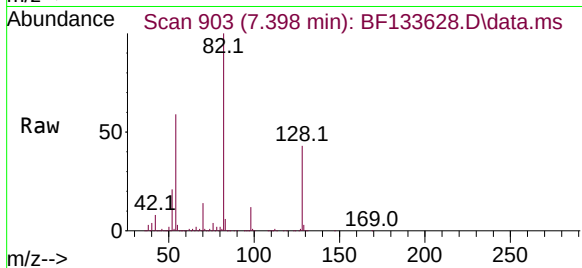
Acq: 07 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

72-11991



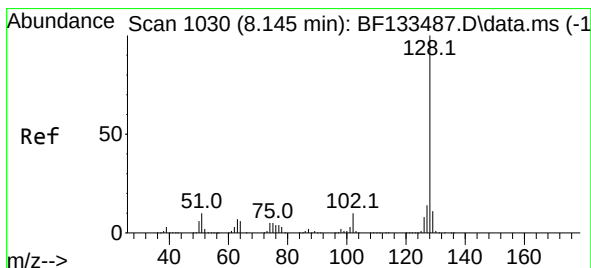
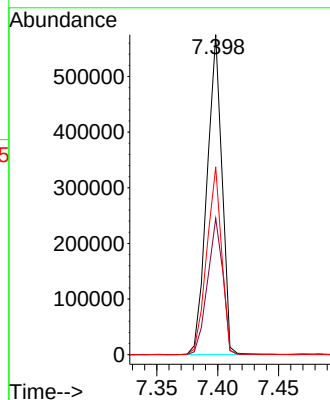
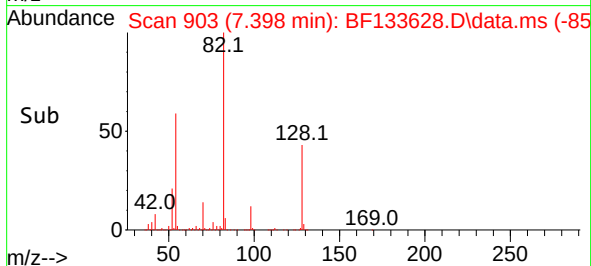
Tgt Ion:	82	Resp:	49192
Ion Ratio	Lower	Upper	
82	100		
128	42.6	34.2	51.4
54	58.7	48.2	72.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#31

Naphthalene

Concen: 2.986 ng

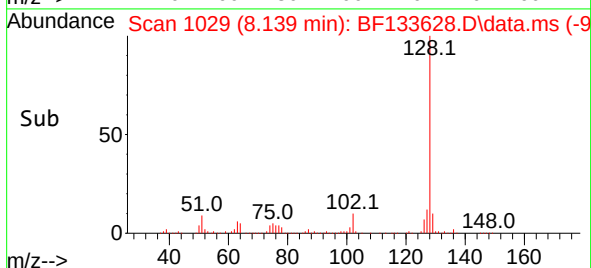
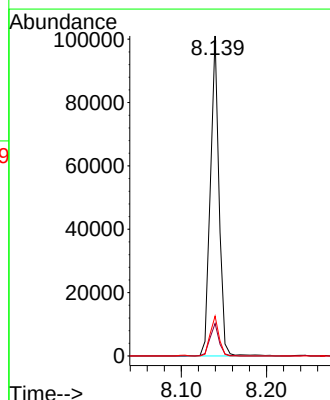
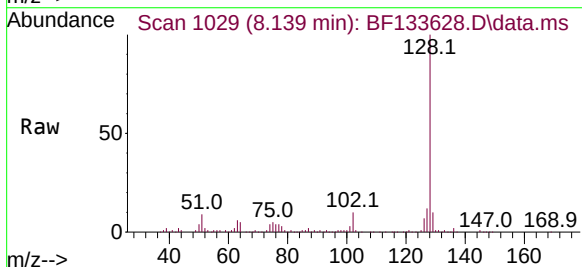
RT: 8.139 min Scan# 1029

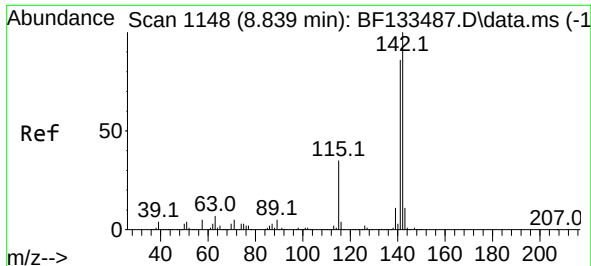
Delta R.T. -0.006 min

Lab File: BF133628.D

Acq: 07 Jun 2023 16:52

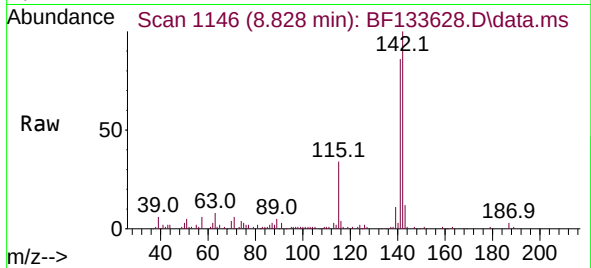
Tgt Ion:	128	Resp:	71192
Ion Ratio	Lower	Upper	
128	100		
129	10.2	9.2	13.8
127	12.5	10.9	16.3





#37
2-Methylnaphthalene
Concen: 2.169 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

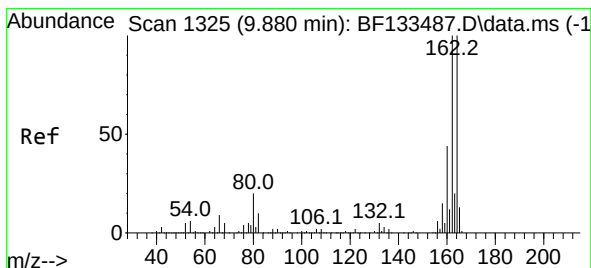
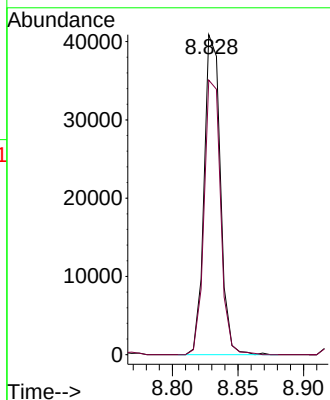
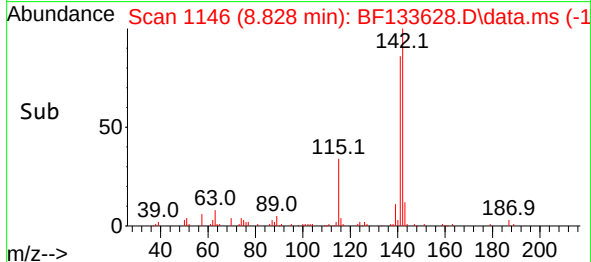
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion:142 Resp: 3531
Ion Ratio Lower Upper
142 100
141 85.8 69.2 103.8

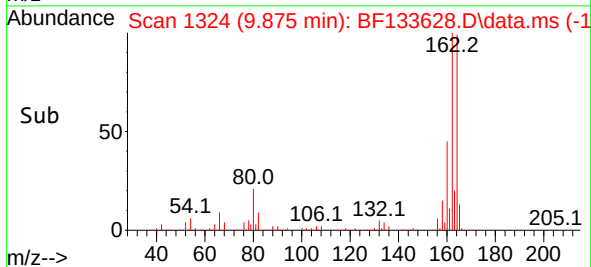
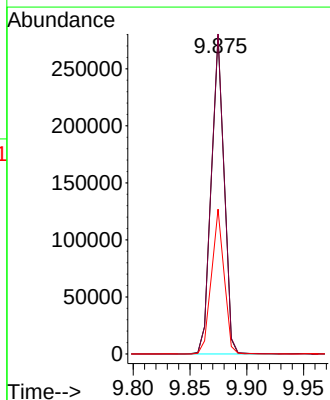
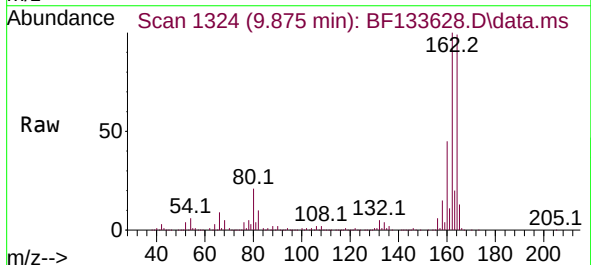
Manual Integrations
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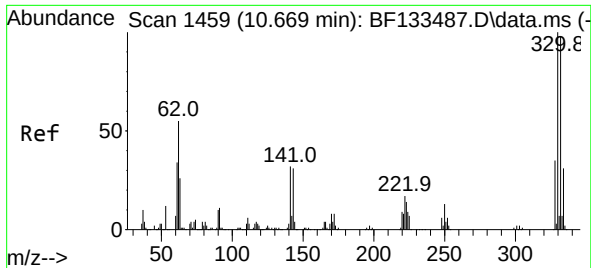
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

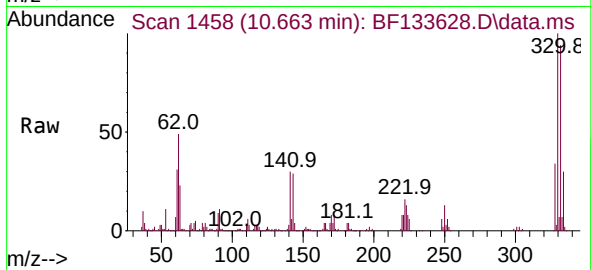
Tgt Ion:164 Resp: 218544
Ion Ratio Lower Upper
164 100
162 100.6 79.7 119.5
160 45.5 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 78.753 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

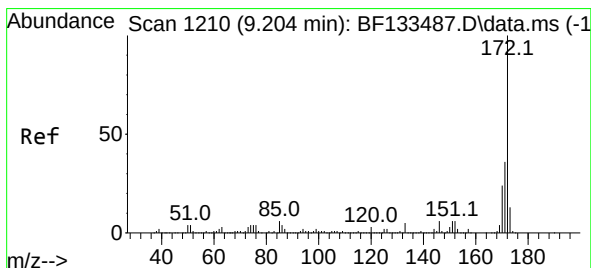
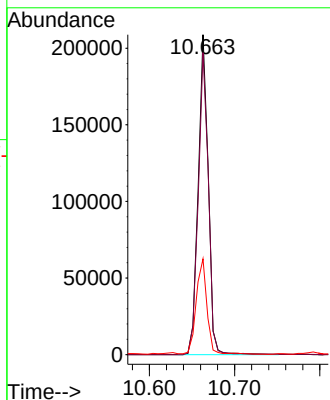
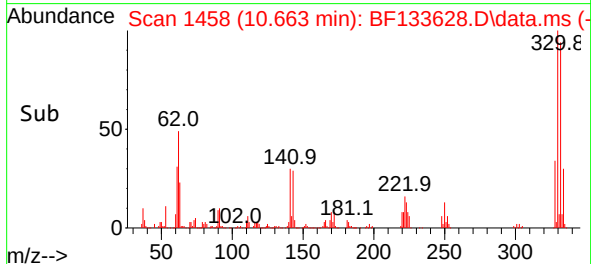
Instrument :
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ClientSampleId :
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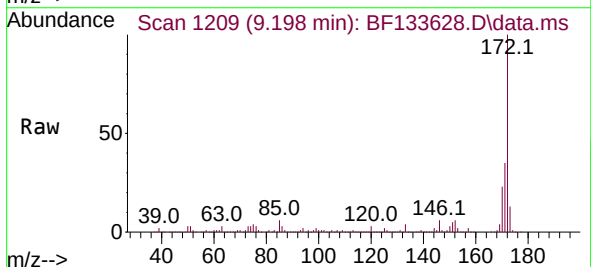
Tgt Ion: 330 Resp: 17156
Ion Ratio Lower Upper
330 100
332 95.8 77.8 116.6
141 30.8 26.6 40.0

Manual Integrations
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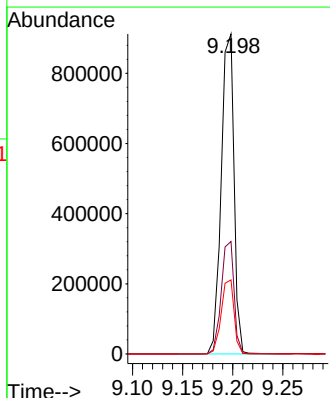
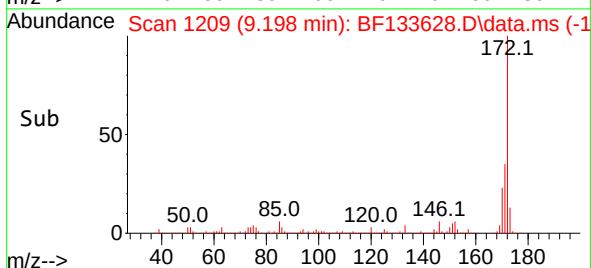
Reviewed By : Yogesh Patel 06/08/2023
Supervised By : mohammad ahmed 06/08/2023

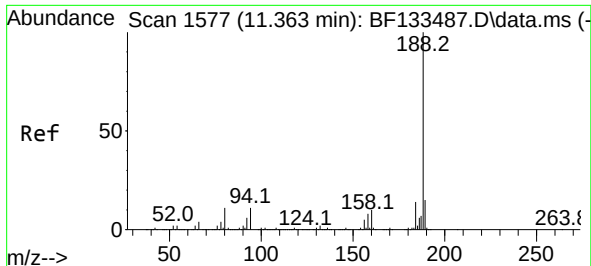


#45
2-Fluorobiphenyl
Concen: 57.007 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52



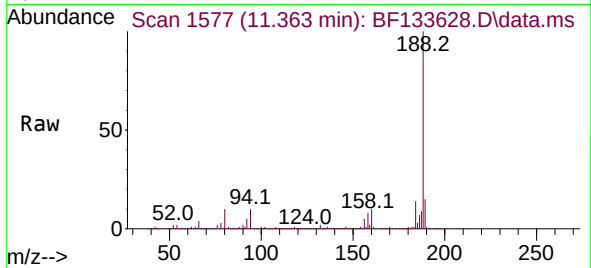
Tgt Ion: 172 Resp: 807190
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.1 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

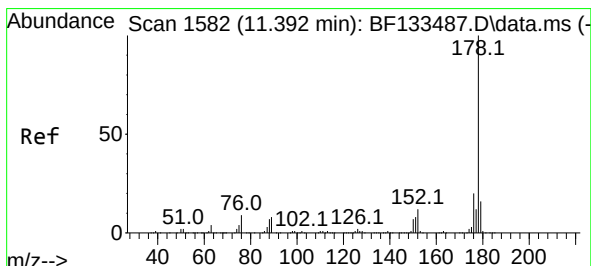
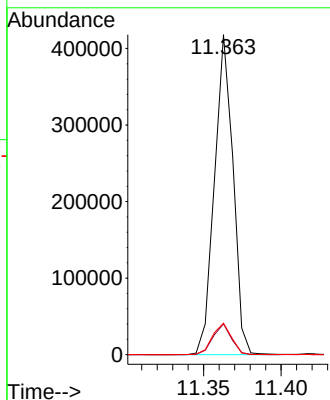
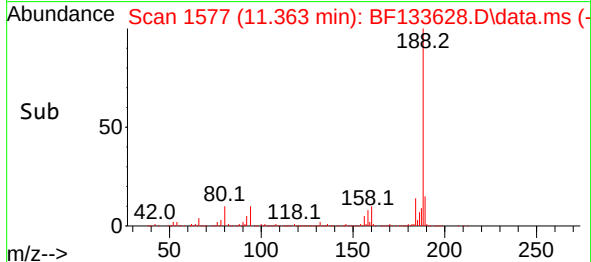
Instrument :
BNA_F
ClientSampleId :
72-11991



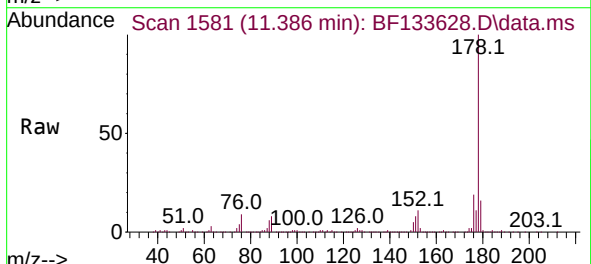
Tgt Ion:188 Resp: 348479
Ion Ratio Lower Upper
188 100
94 9.7 8.6 12.8
80 9.9 9.2 13.8

Manual Integrations
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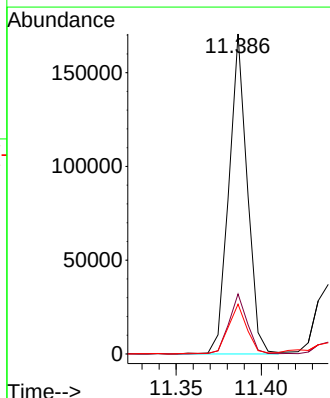
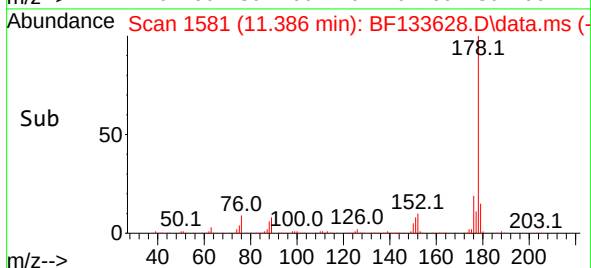
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

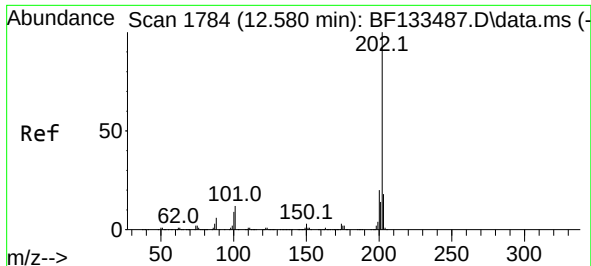


#71
Phenanthrene
Concen: 7.231 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52



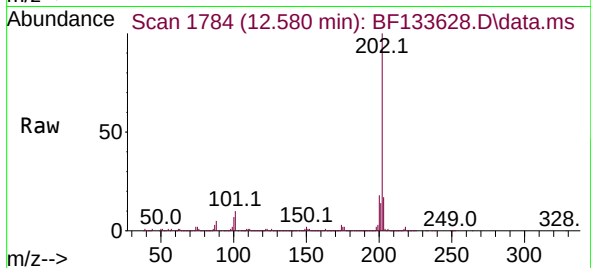
Tgt Ion:178 Resp: 127633
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.6 12.4 18.6





#75
Fluoranthene
Concen: 17.716 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

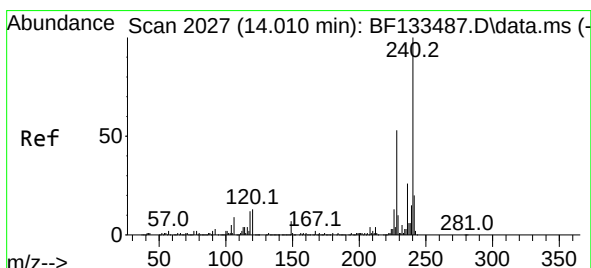
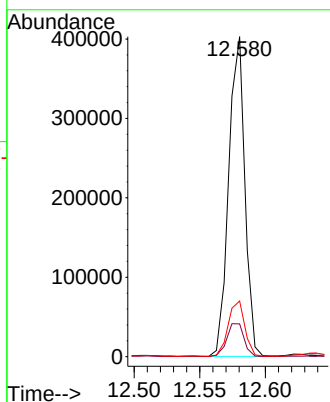
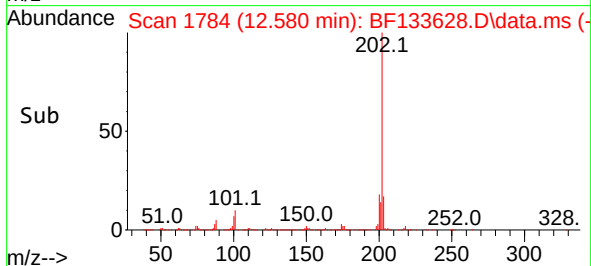
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion:202 Resp: 345399
Ion Ratio Lower Upper
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101 10.3 0.0 32.2
203 17.4 0.0 37.8

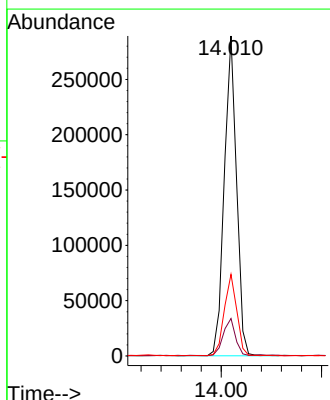
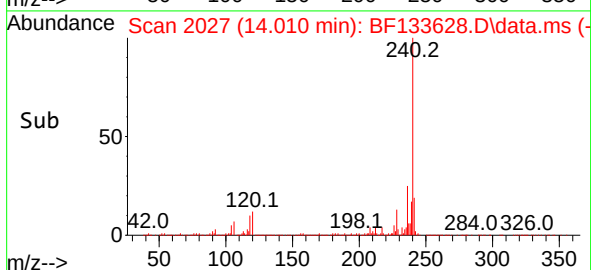
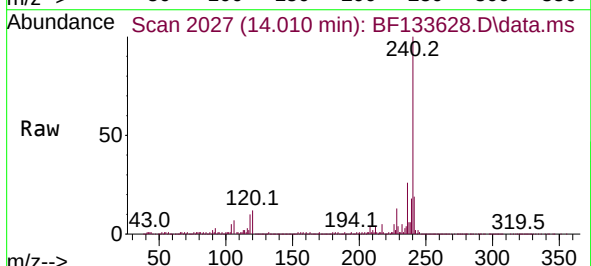
Manual Integrations
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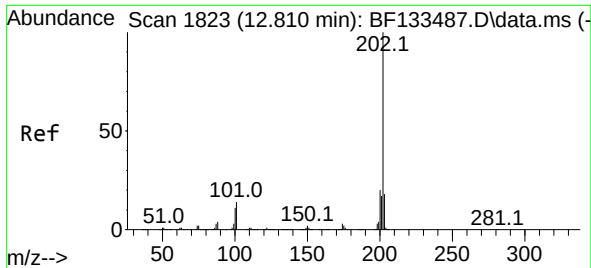
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

Tgt Ion:240 Resp: 244230
Ion Ratio Lower Upper
240 100
120 11.7 10.3 15.5
236 25.5 20.5 30.7





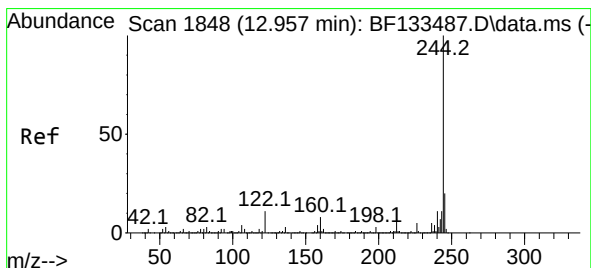
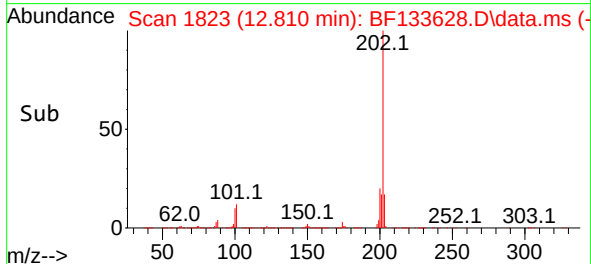
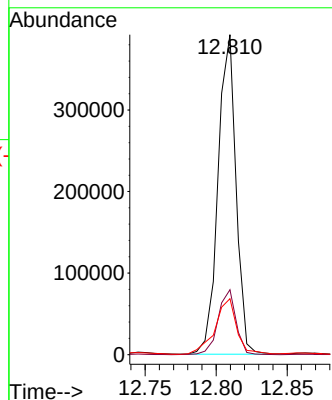
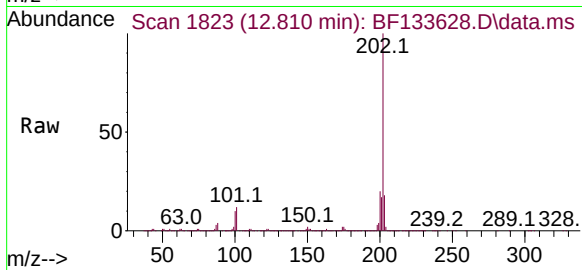
#78
Pyrene
Concen: 16.591 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

Instrument :
BNA_F
ClientSampleId :
72-11991

Tgt Ion:202 Resp: 344819
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 17.5 14.3 21.5

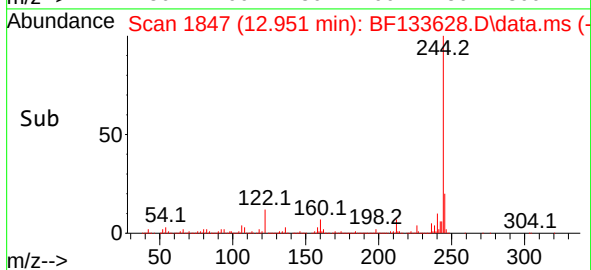
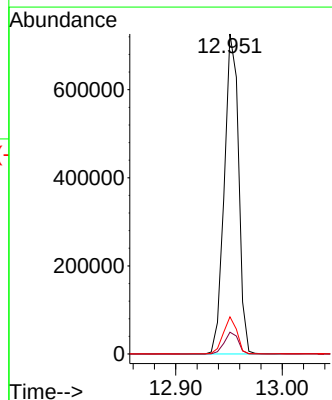
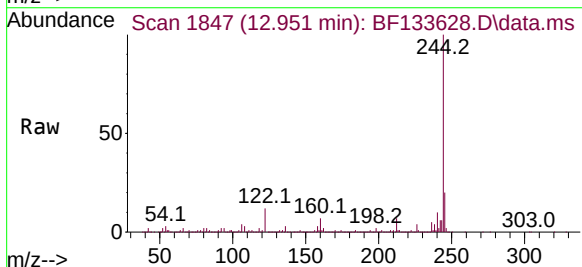
Manual Integrations
APPROVED

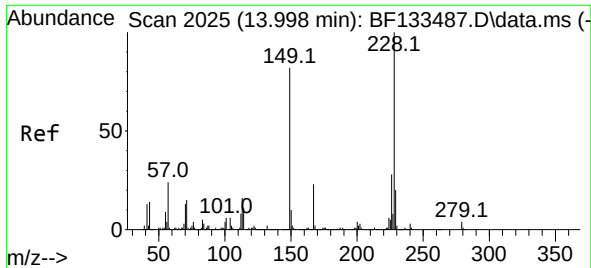
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#79
Terphenyl-d14
Concen: 49.090 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

Tgt Ion:244 Resp: 674316
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 11.6 8.5 12.7





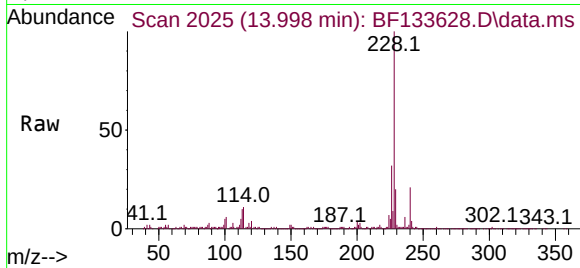
#81
Benzo(a)anthracene
Concen: 11.306 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

72-11991

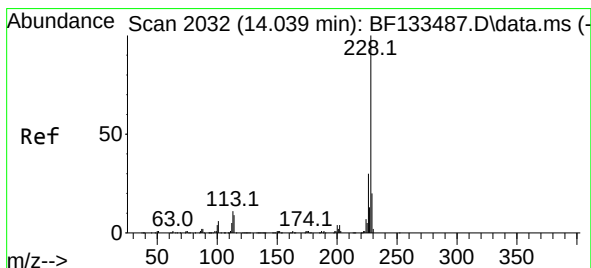
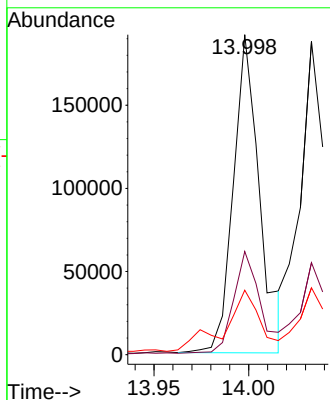
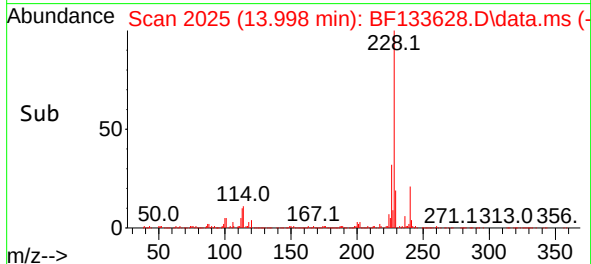


Tgt Ion:228 Resp: 183944
Ion Ratio Lower Upper
228 100
226 32.3 22.3 33.5
229 20.2 16.1 24.1

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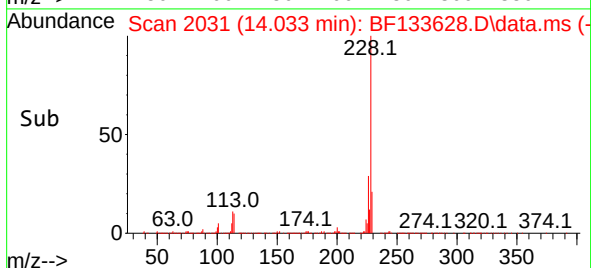
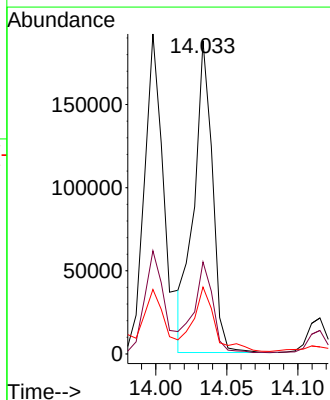
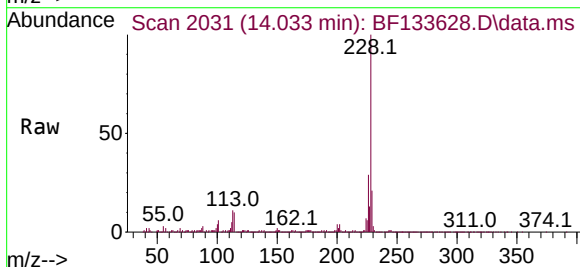
APPROVED

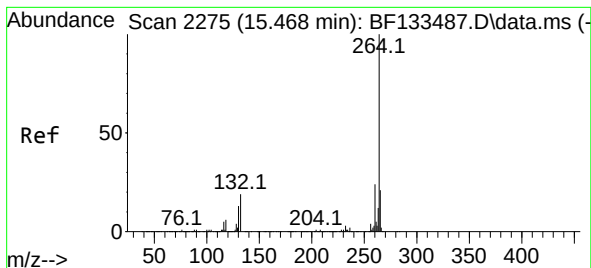
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#83
Chrysene
Concen: 10.320 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF133628.D
Acq: 07 Jun 2023 16:52

Tgt Ion:228 Resp: 169507
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 21.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133628.D

Acq: 07 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

72-11991

Tgt Ion:264 Resp: 195448

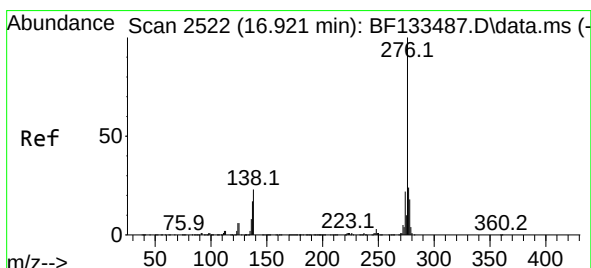
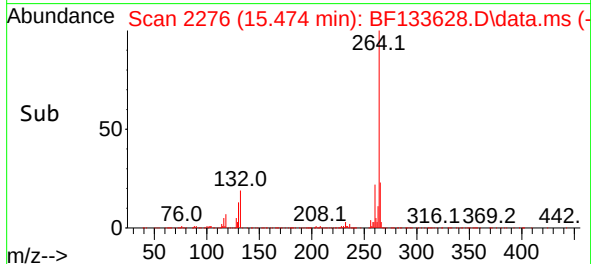
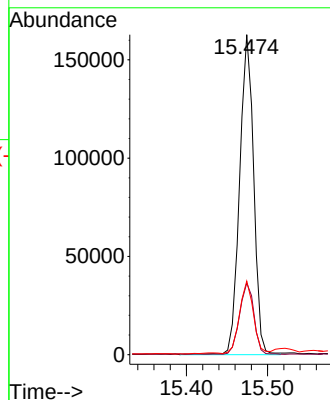
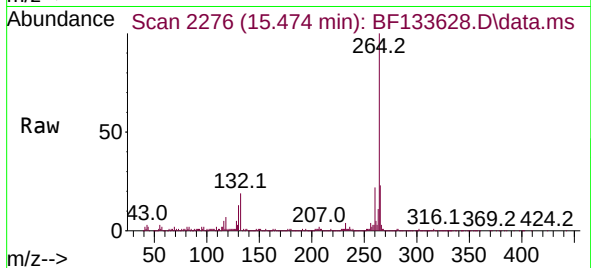
Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.0	28.4
265	23.0	16.8	25.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.133 ng m

RT: 16.927 min Scan# 2523

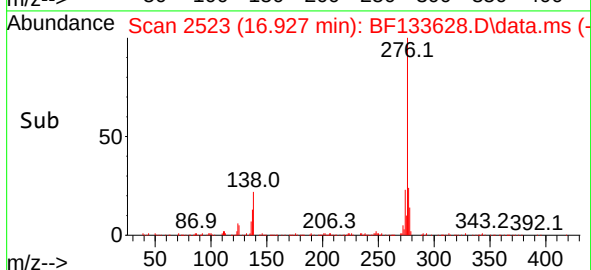
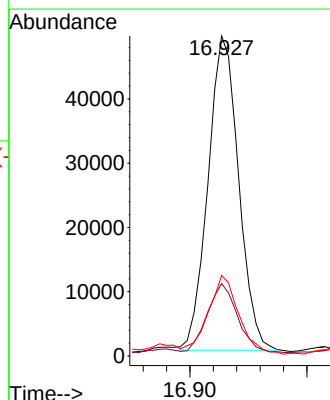
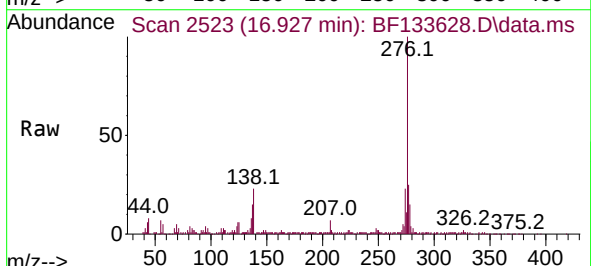
Delta R.T. -0.018 min

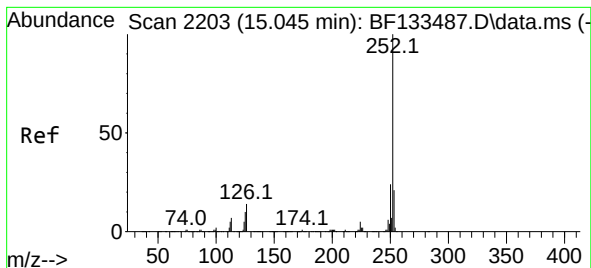
Lab File: BF133628.D

Acq: 07 Jun 2023 16:52

Tgt Ion:276 Resp: 88801

Ion	Ratio	Lower	Upper
276	100		
138	5.3	21.4	32.2#
277	5.1	20.0	30.0#





#88

Benzo(b)fluoranthene

Concen: 16.473 ng m

RT: 15.045 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF133628.D

Acq: 07 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

72-11991

Tgt Ion:252 Resp: 20965

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

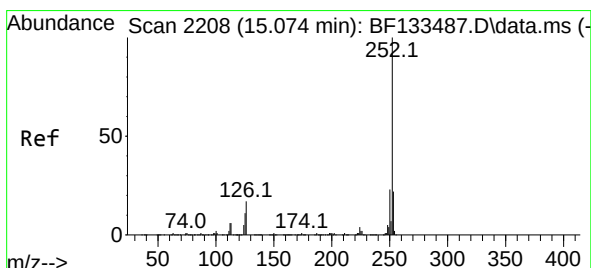
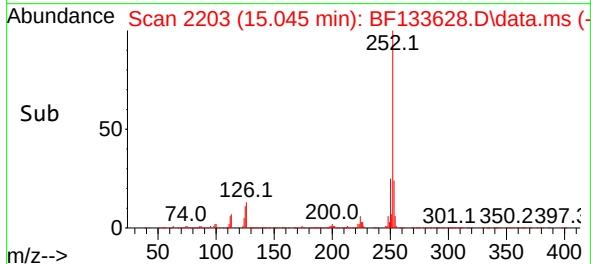
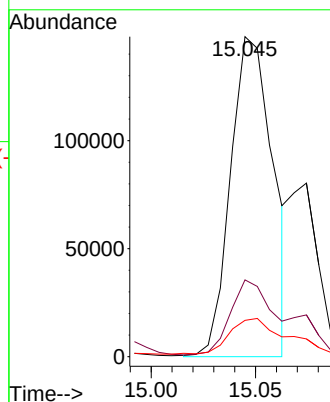
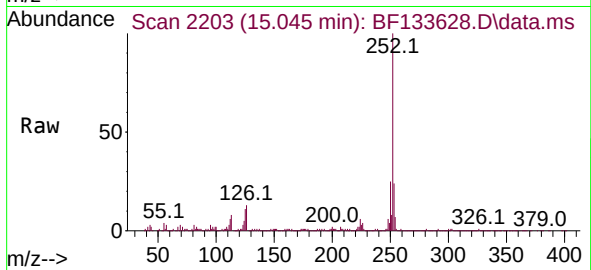
125 11.4 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#89

Benzo(k)fluoranthene

Concen: 6.089 ng m

RT: 15.074 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF133628.D

Acq: 07 Jun 2023 16:52

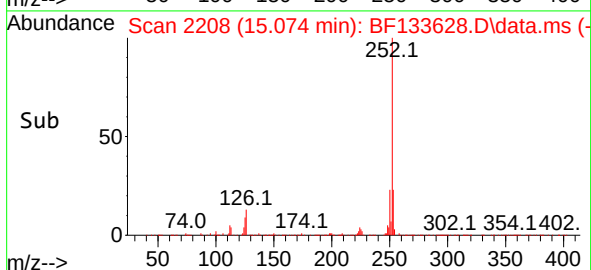
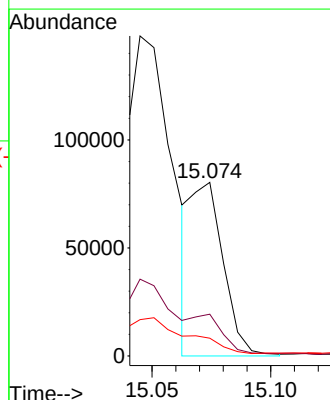
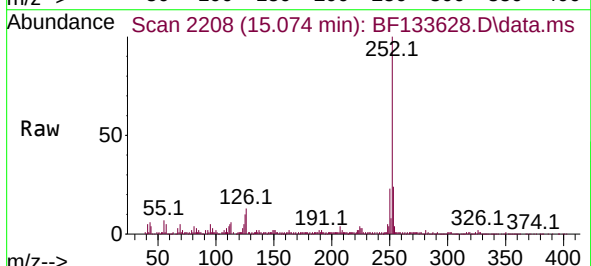
Tgt Ion:252 Resp: 75563

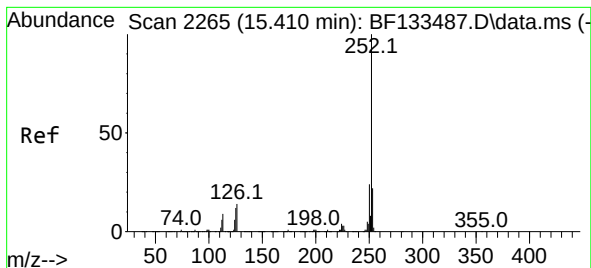
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

125 10.2 8.3 12.5





#90

Benzo(a)pyrene

Concen: 12.380 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133628.D

Acq: 07 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

72-11991

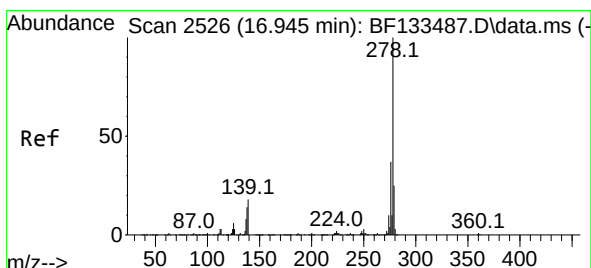
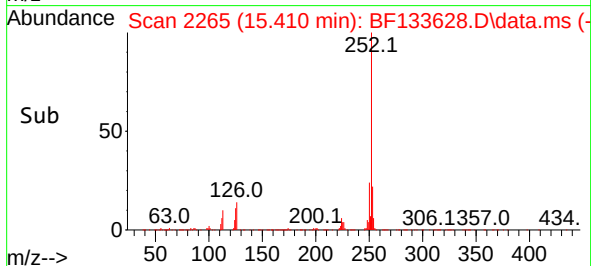
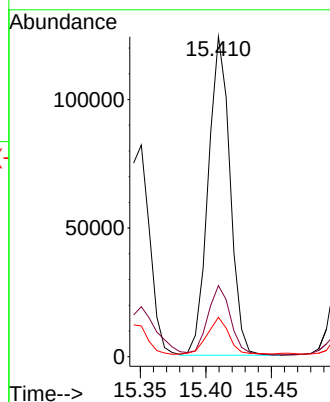
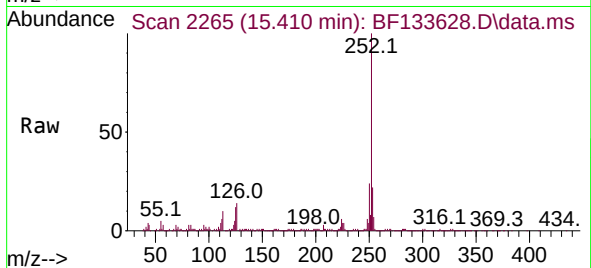
Tgt Ion:	252	Resp:	143360
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.0
125	12.3	9.4	14.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.300 ng

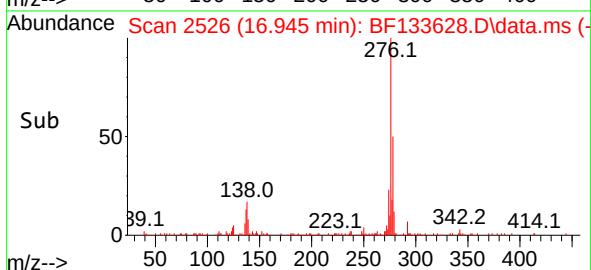
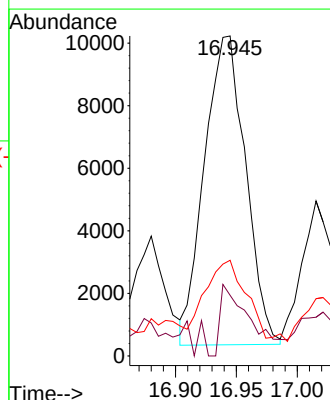
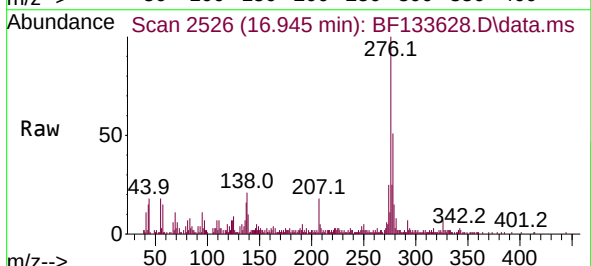
RT: 16.945 min Scan# 2526

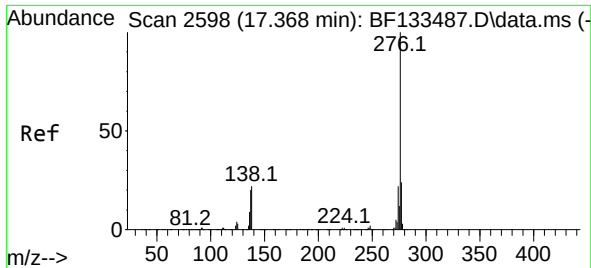
Delta R.T. -0.023 min

Lab File: BF133628.D

Acq: 07 Jun 2023 16:52

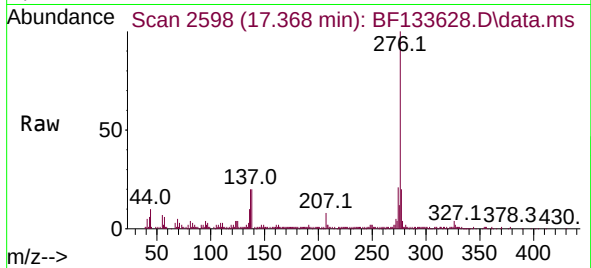
Tgt Ion:	278	Resp:	23212
Ion Ratio	Lower	Upper	
278	100		
139	19.0	14.1	21.1
279	29.9	19.7	29.5





#92
 Benzo(g,h,i)perylene
 Concen: 8.423 ng
 RT: 17.368 min Scan# 2598
 Delta R.T. -0.023 min
 Lab File: BF133628.D
 Acq: 07 Jun 2023 16:52

Instrument : BNA_F
 ClientSampleId : 72-11991



Tgt Ion: 276 Resp: 85728

Ion	Ratio	Lower	Upper
276	100		
277	20.4	18.8	28.2
138	19.7	17.8	26.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

