

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030723\
 Data File : BF132683.D
 Acq On : 07 Mar 2023 18:01
 Operator : CG\JU
 Sample : 01825-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HH-TP1-0306

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/08/2023
 Supervised By : Jagrut Upadhyay 03/08/2023

Quant Time: Mar 08 04:41:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	181813	20.000	ng	0.00
21) Naphthalene-d8	8.275	136	681827	20.000	ng	0.00
39) Acenaphthene-d10	10.034	164	360849	20.000	ng	0.00
64) Phenanthrene-d10	11.528	188	675860	20.000	ng	0.00
76) Chrysene-d12	14.186	240	363492	20.000	ng	#-0.01
86) Perylene-d12	15.733	264	381582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	1332175	118.918	ng	0.00
7) Phenol-d6	6.616	99	1719220	117.592	ng	0.00
23) Nitrobenzene-d5	7.557	82	1132953	78.836	ng	0.00
42) 2,4,6-Tribromophenol	10.834	330	468303	120.170	ng	0.00
45) 2-Fluorobiphenyl	9.351	172	1703137	71.867	ng	0.00
79) Terphenyl-d14	13.122	244	1845567	85.845	ng	0.00
Target Compounds						
						Qvalue
58) Fluorene	10.581	166	53296	2.184	ng	99
71) Phenanthrene	11.557	178	957252	27.340	ng	98
72) Anthracene	11.604	178	280930	7.792	ng	99
75) Fluoranthene	12.757	202	1367387	35.724	ng	98
78) Pyrene	12.986	202	1172146	35.468	ng	99
81) Benzo(a)anthracene	14.175	228	479851	17.643	ng	98
83) Chrysene	14.216	228	423541	16.653	ng	97
87) Indeno(1,2,3-cd)pyrene	17.321	276	230765	9.230	ng	98
88) Benzo(b)fluoranthene	15.274	252	526702m	20.597	ng	
89) Benzo(k)fluoranthene	15.298	252	167618m	6.698	ng	
90) Benzo(a)pyrene	15.669	252	350266	14.635	ng	97
91) Dibenzo(a,h)anthracene	17.327	278	58812m	2.887	ng	
92) Benzo(g,h,i)perylene	17.804	276	211225	10.481	ng	98

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

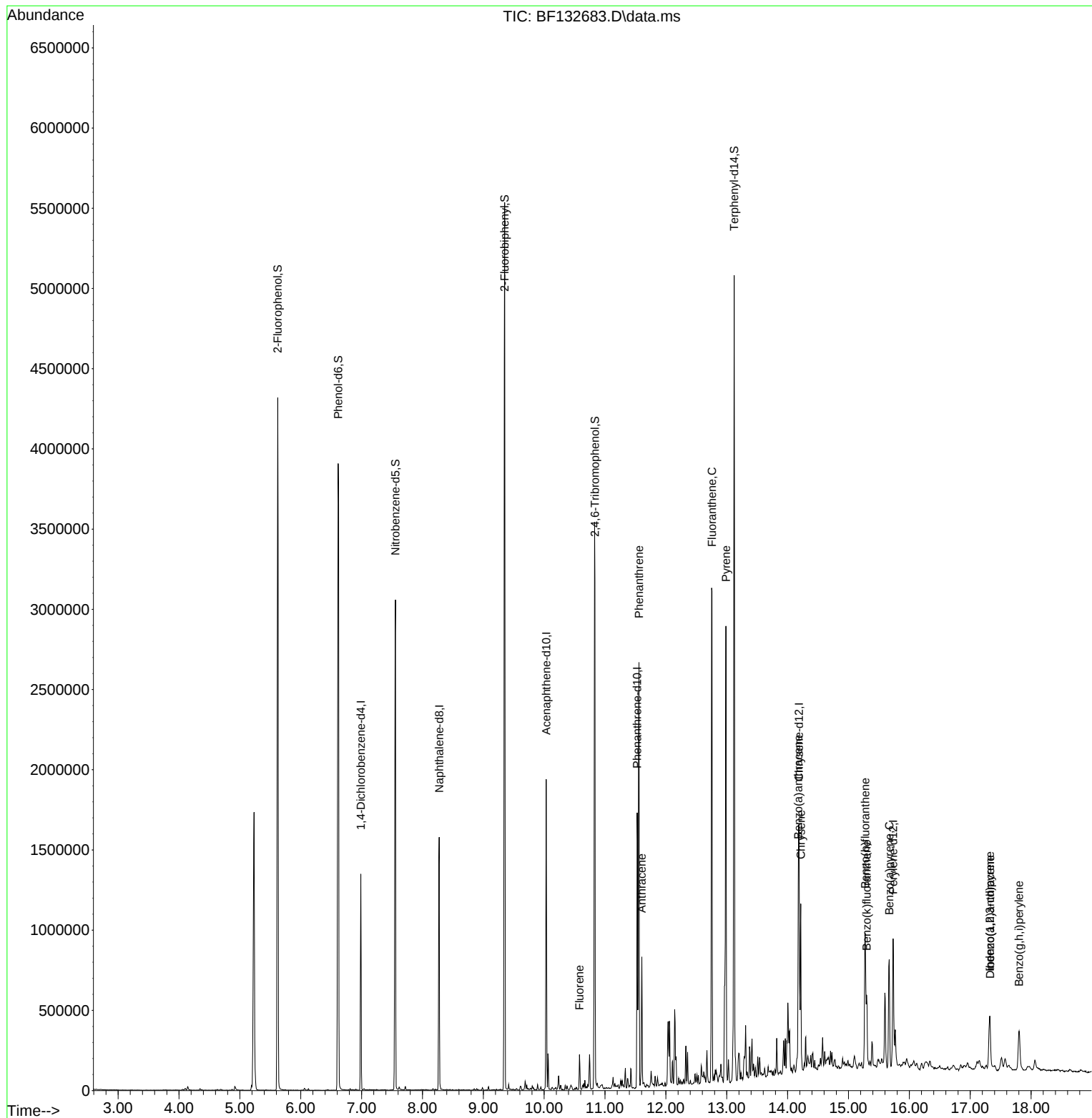
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030723\
Data File : BF132683.D
Acq On : 07 Mar 2023 18:01
Operator : CG\JU
Sample : 01825-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

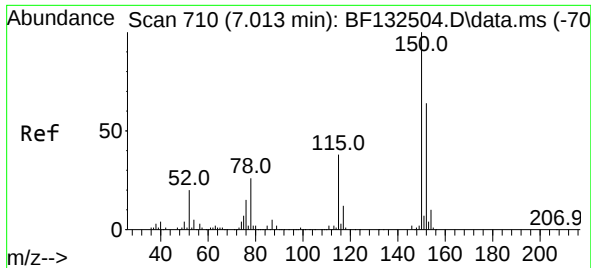
Instrument :
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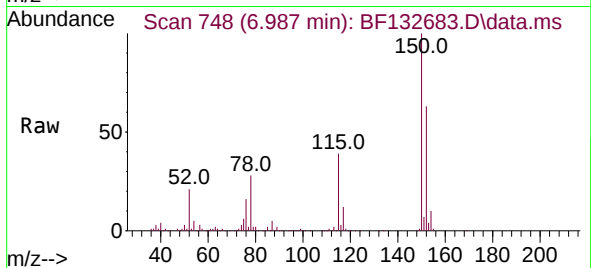
Quant Time: Mar 08 04:41:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 07 13:42:31 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.987 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

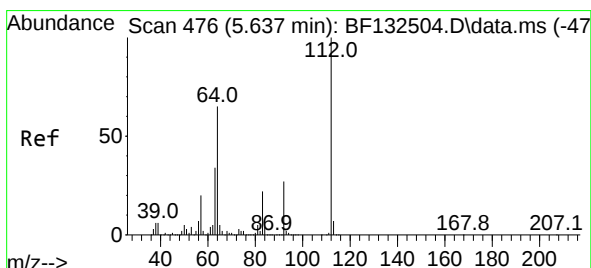
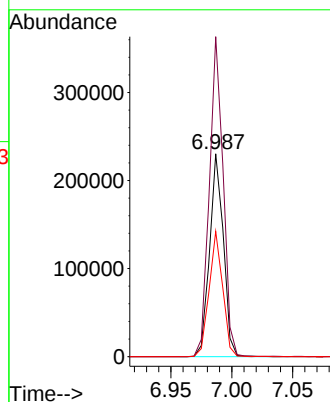
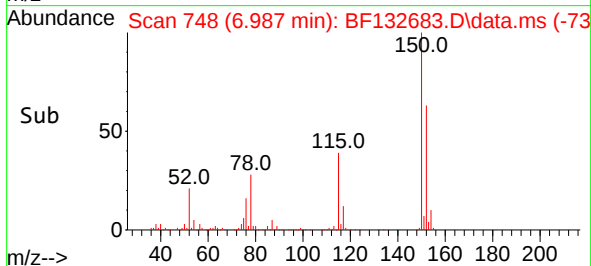
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306



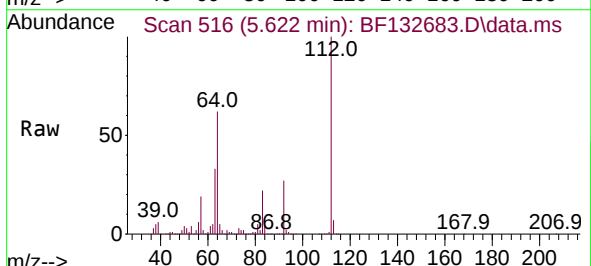
Tgt Ion:152 Resp: 181813
Ion Ratio Lower Upper
152 100
150 157.8 125.4 188.2
115 61.7 47.8 71.6

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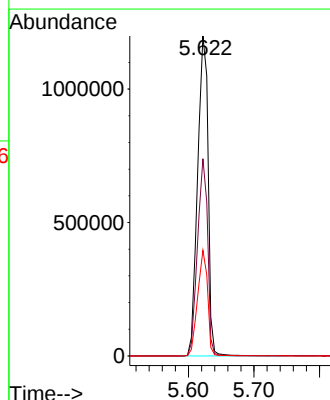
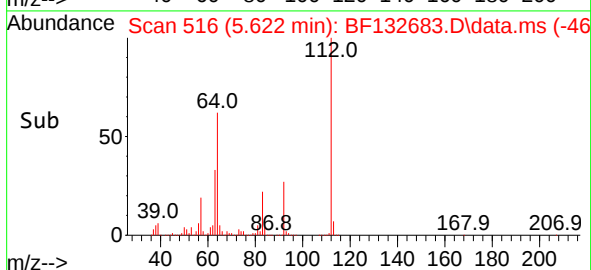
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

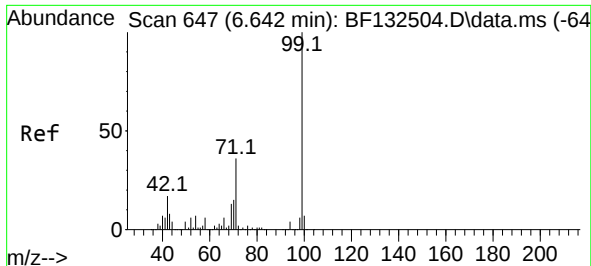


#5
2-Fluorophenol
Concen: 118.918 ng
RT: 5.622 min Scan# 516
Delta R.T. 0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01



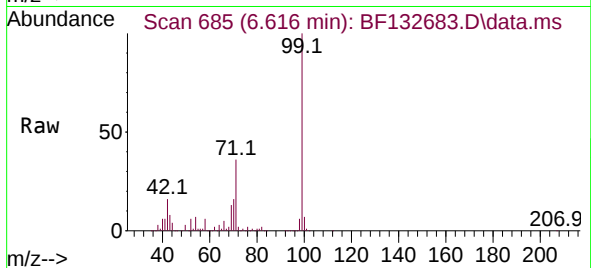
Tgt Ion:112 Resp: 1332175
Ion Ratio Lower Upper
112 100
64 61.6 51.6 77.4
63 33.0 27.4 41.2





#7
Phenol-d6
Concen: 117.592 ng
RT: 6.616 min Scan# 685
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

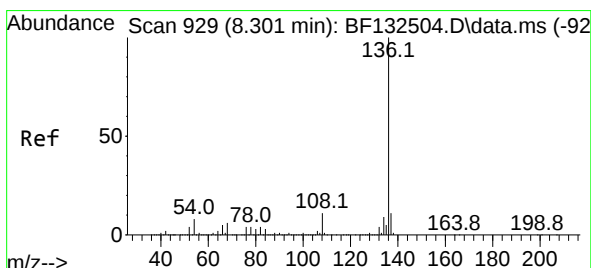
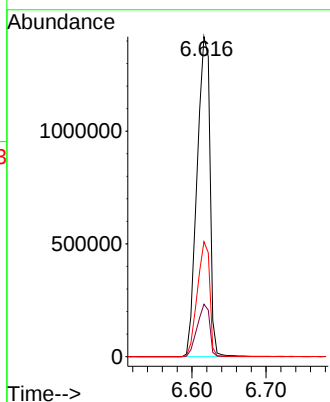
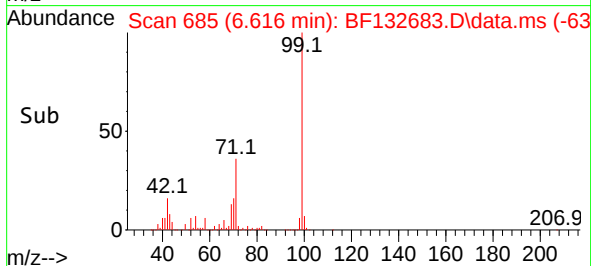
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306



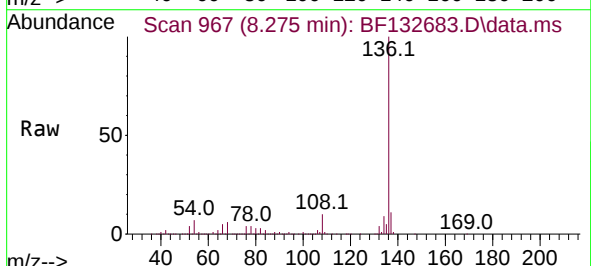
Tgt Ion: 99 Resp: 1719220
Ion Ratio Lower Upper
99 100
42 16.4 13.9 20.9
71 35.9 28.5 42.7

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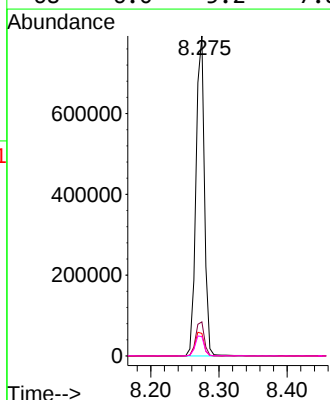
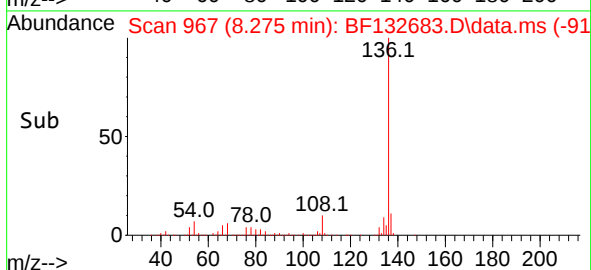
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

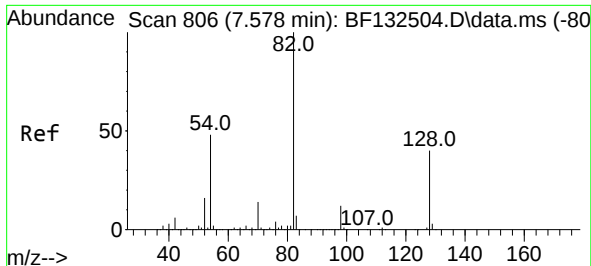


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.275 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01



Tgt Ion:136 Resp: 681827
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.0 6.2 9.4
68 6.0 5.2 7.8





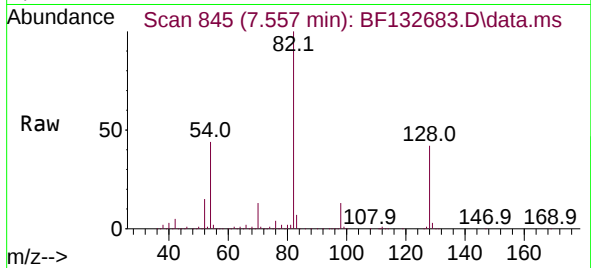
#23
Nitrobenzene-d5
Concen: 78.836 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Instrument :

BNA_F

ClientSampleId :

HH-TP1-0306

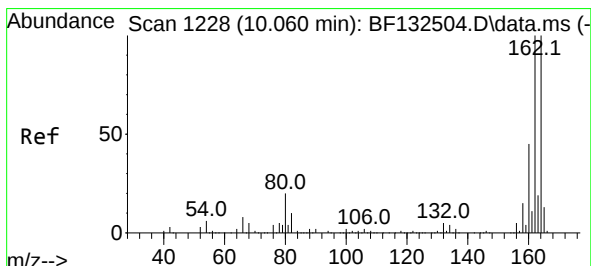
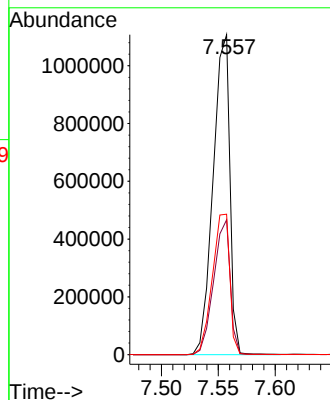
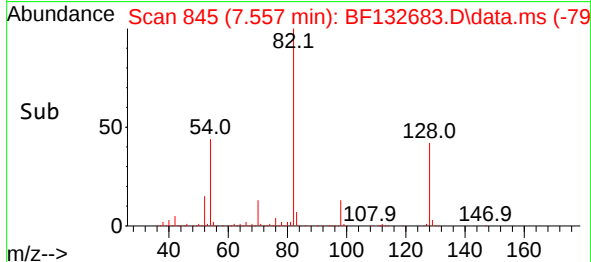


Tgt Ion: 82 Resp: 113295
Ion Ratio Lower Upper
82 100
128 42.1 32.2 48.2
54 43.9 38.4 57.6

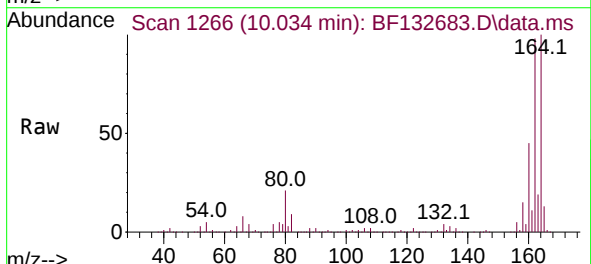
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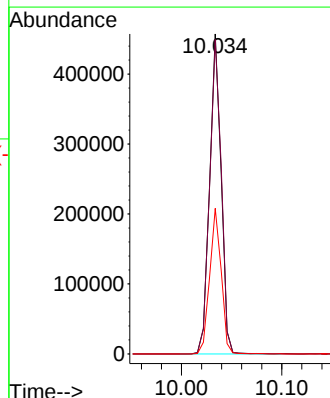
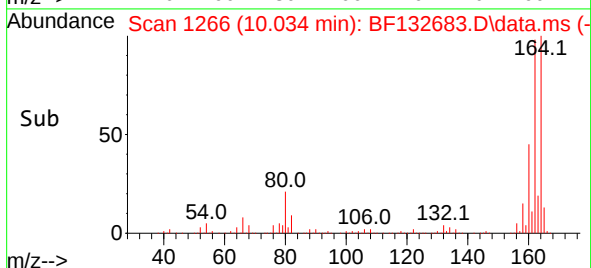
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.034 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01



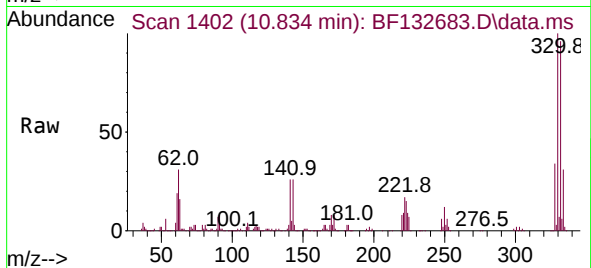
Tgt Ion:164 Resp: 360849
Ion Ratio Lower Upper
164 100
162 98.2 79.8 119.8
160 45.5 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 120.170 ng
RT: 10.834 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

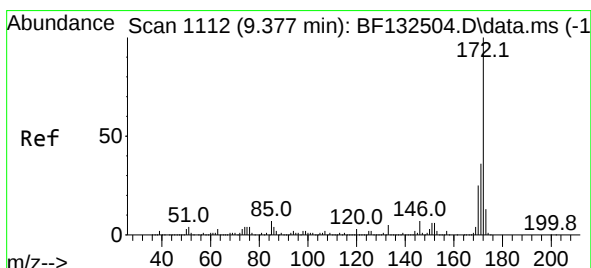
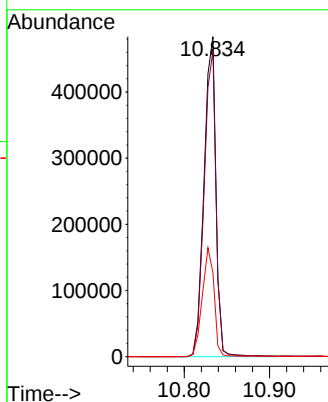
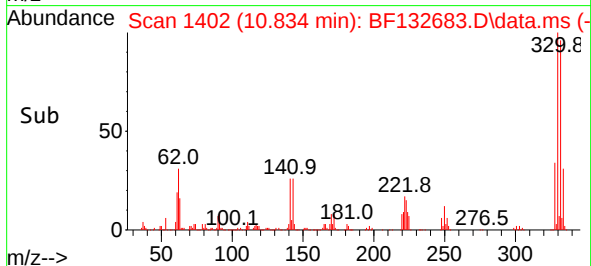
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306



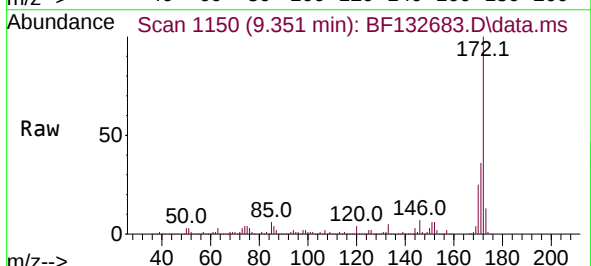
Tgt Ion: 330 Resp: 468303
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 33.9 28.4 42.6

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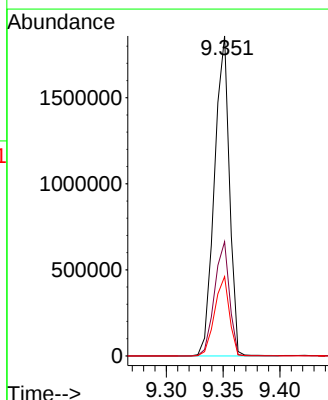
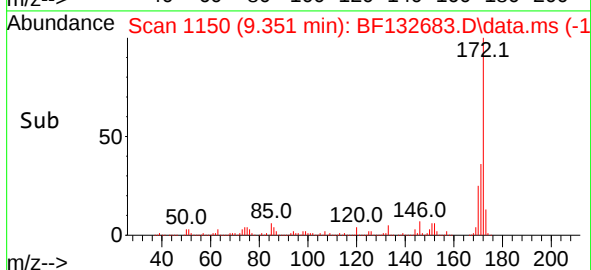
Reviewed By : Christian Giraldo 03/08/2023
Supervised By : Jagrut Upadhyay 03/08/2023

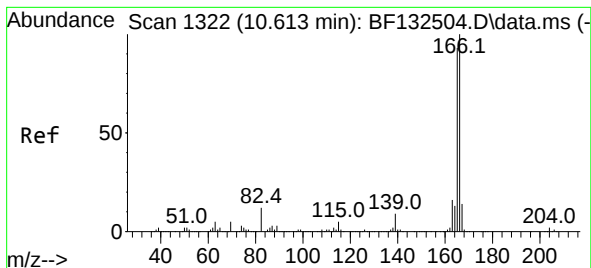


#45
2-Fluorobiphenyl
Concen: 71.867 ng
RT: 9.351 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01



Tgt Ion: 172 Resp: 1703137
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.8 19.7 29.5





#58

Fluorene

Concen: 2.184 ng

RT: 10.581 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF132683.D

Acq: 07 Mar 2023 18:01

Instrument :

BNA_F

ClientSampleId :

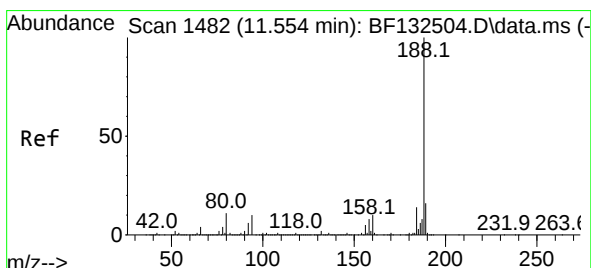
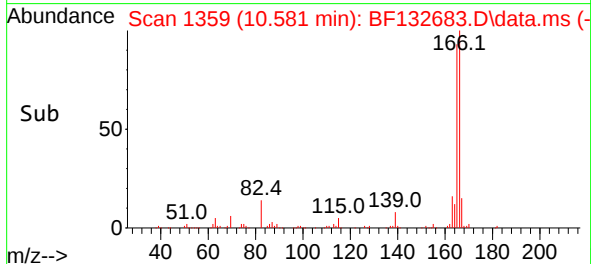
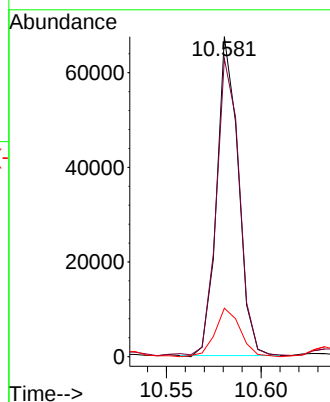
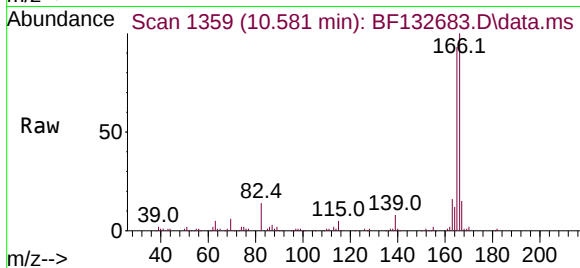
HH-TP1-0306

Tgt Ion:166 Resp: 53296
 Ion Ratio Lower Upper
 166 100
 165 93.1 74.2 111.4
 167 15.2 11.1 16.7

Manual Integrations

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Reviewed By :Christian Giraldo 03/08/2023
 Supervised By :Jagrut Upadhyay 03/08/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

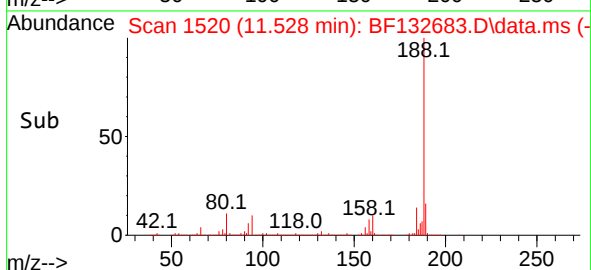
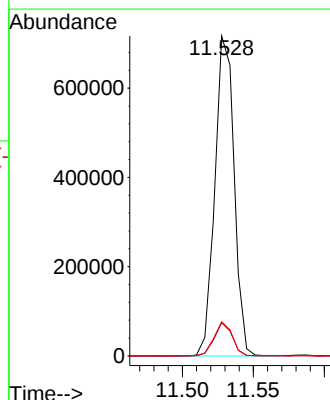
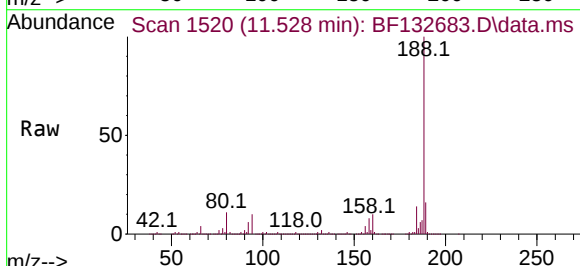
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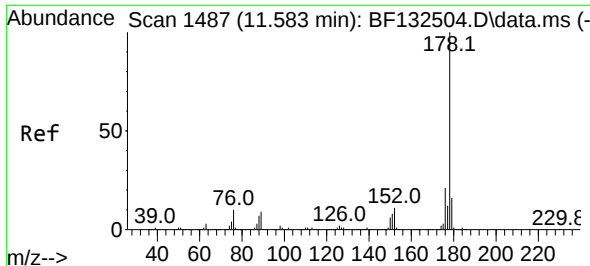
Delta R.T. -0.006 min

Lab File: BF132683.D

Acq: 07 Mar 2023 18:01

Tgt Ion:188 Resp: 675860
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.3 12.5
 80 10.7 8.7 13.1





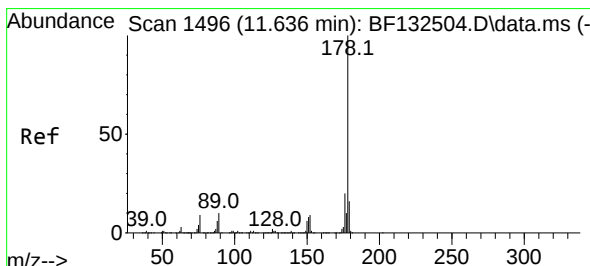
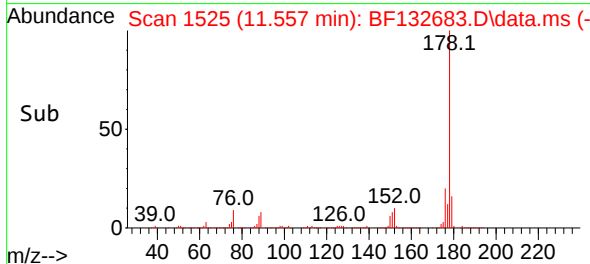
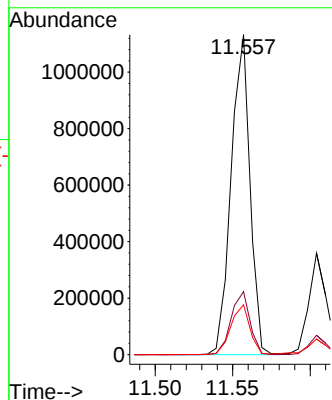
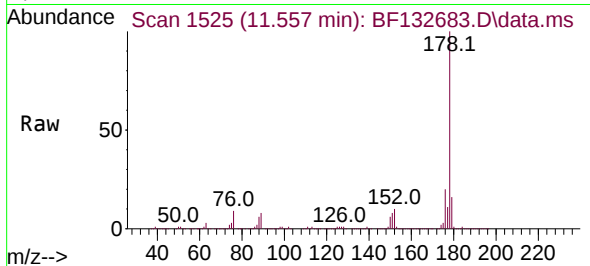
#71
Phenanthrene
Concen: 27.340 ng
RT: 11.557 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

Tgt Ion:178 Resp: 957252
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 15.6 13.0 19.6

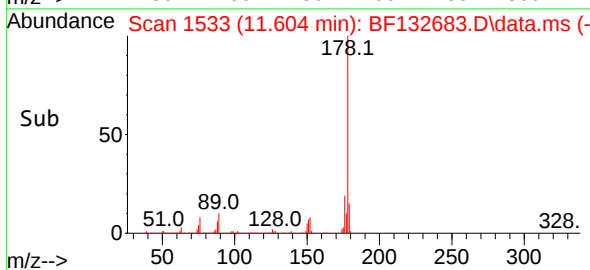
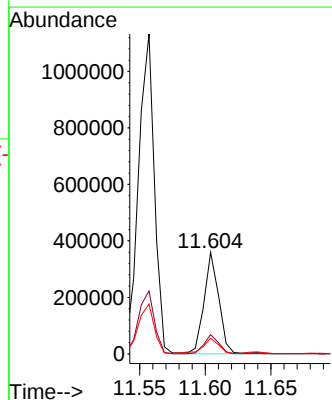
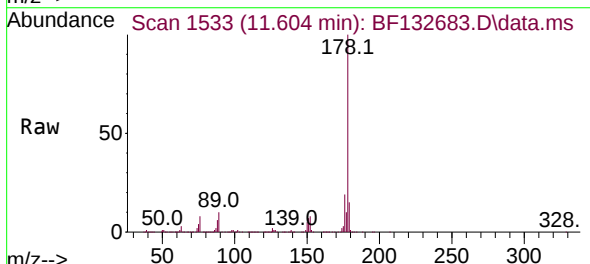
Manual Integrations
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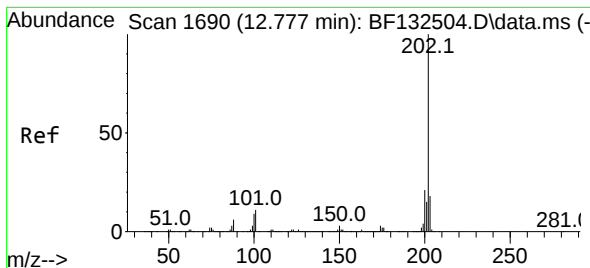
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#72
Anthracene
Concen: 7.792 ng
RT: 11.604 min Scan# 1533
Delta R.T. -0.012 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

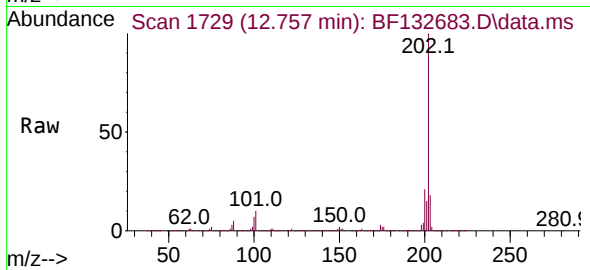
Tgt Ion:178 Resp: 280930
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.4 12.5 18.7





#75
Fluoranthene
Concen: 35.724 ng
RT: 12.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

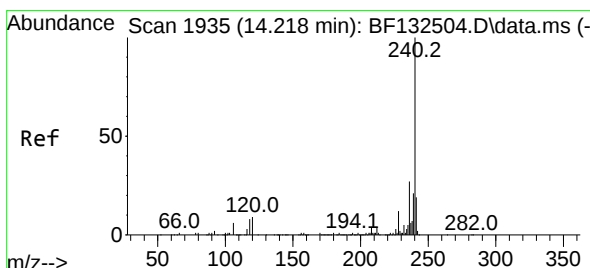
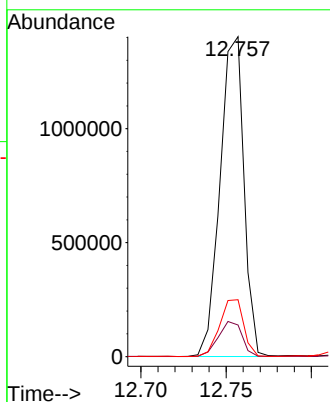
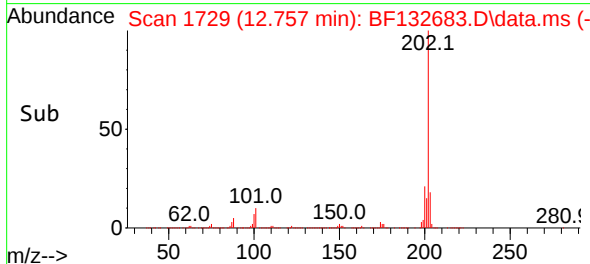
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306



Tgt Ion:202 Resp: 136738
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.4
203 17.8 0.0 38.0

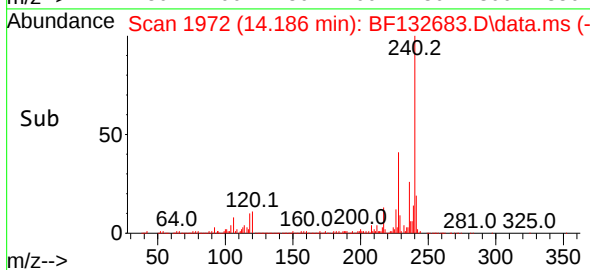
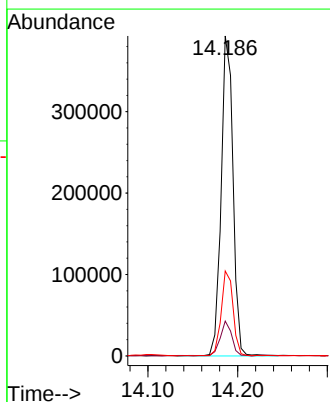
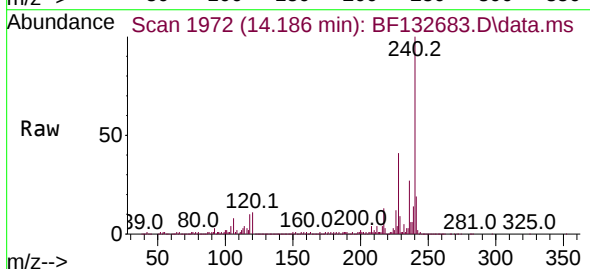
Manual Integrations
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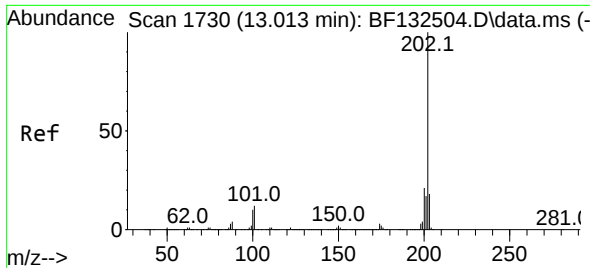
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.186 min Scan# 1972
Delta R.T. -0.012 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

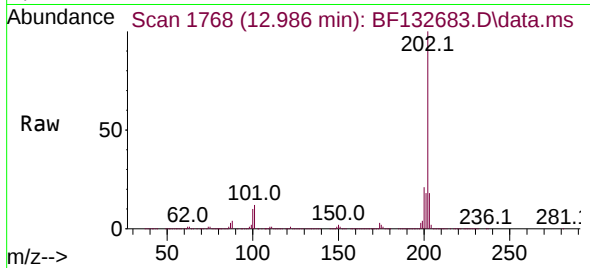
Tgt Ion:240 Resp: 363492
Ion Ratio Lower Upper
240 100
120 10.9 7.2 10.8#
236 26.5 21.8 32.6





#78
 Pyrene
 Concen: 35.468 ng
 RT: 12.986 min Scan# 1768
 Delta R.T. -0.006 min
 Lab File: BF132683.D
 Acq: 07 Mar 2023 18:01

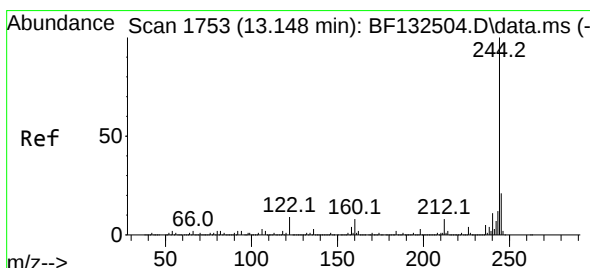
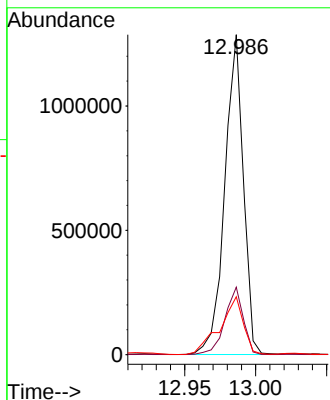
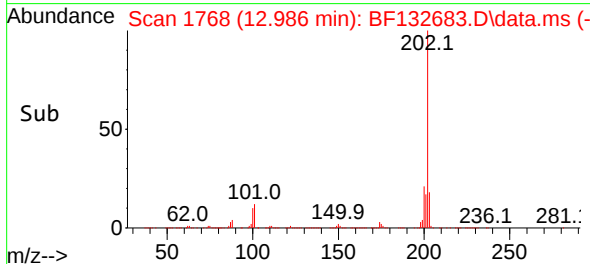
Instrument :
 BNA_F
 ClientSampleId :
 HH-TP1-0306



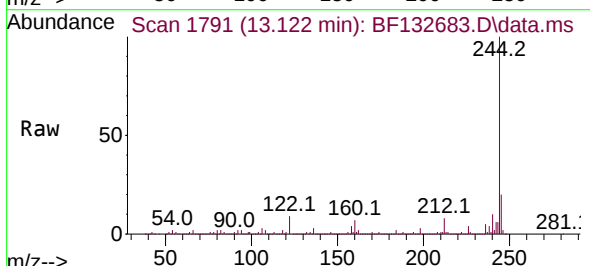
Tgt Ion:202 Resp: 1172146
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.1 25.7
 203 18.1 14.6 21.8

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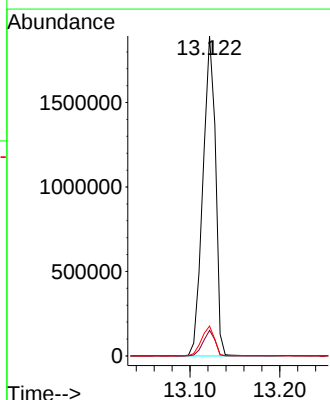
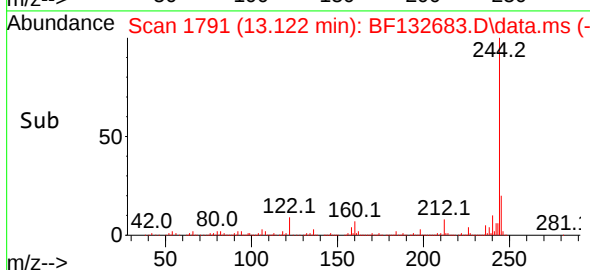
Reviewed By :Christian Giraldo 03/08/2023
 Supervised By :Jagrut Upadhyay 03/08/2023

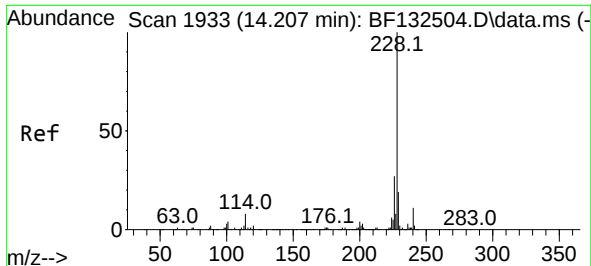


#79
 Terphenyl-d14
 Concen: 85.845 ng
 RT: 13.122 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: BF132683.D
 Acq: 07 Mar 2023 18:01



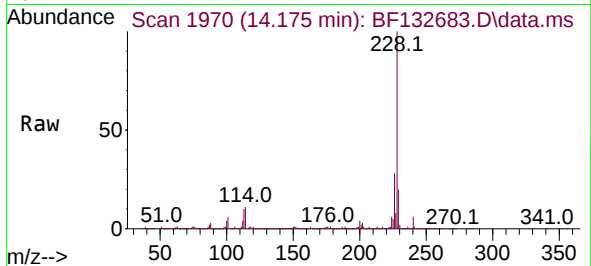
Tgt Ion:244 Resp: 1845567
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 9.4 7.5 11.3





#81
Benzo(a)anthracene
Concen: 17.643 ng
RT: 14.175 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

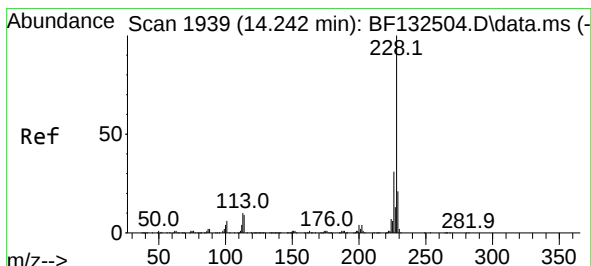
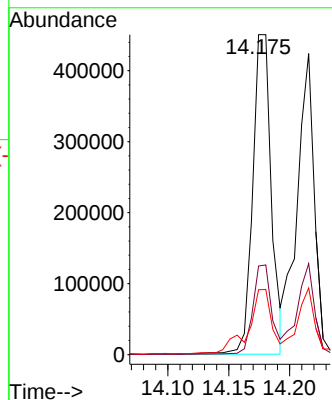
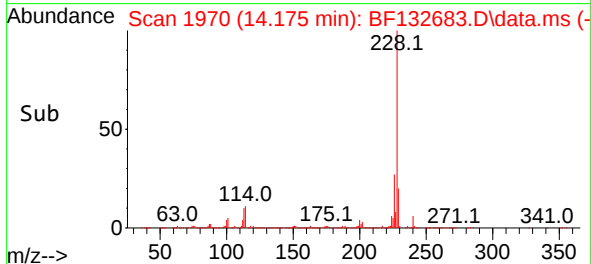
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306



Tgt Ion:228 Resp: 479851
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 20.3 15.4 23.2

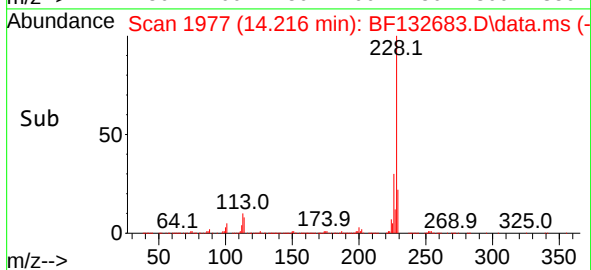
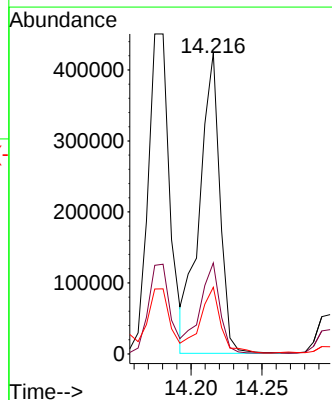
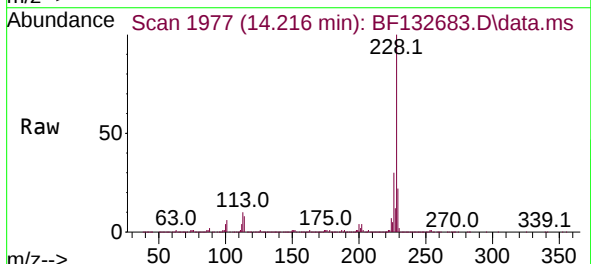
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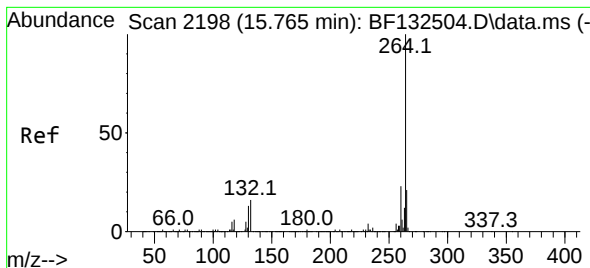
Reviewed By :Christian Giraldo 03/08/2023
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#83
Chrysene
Concen: 16.653 ng
RT: 14.216 min Scan# 1977
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

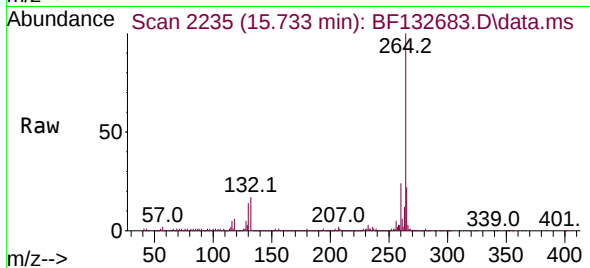
Tgt Ion:228 Resp: 423541
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.1 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.733 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

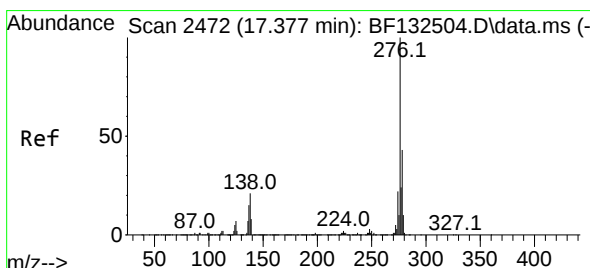
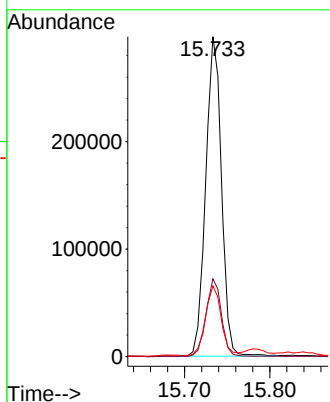
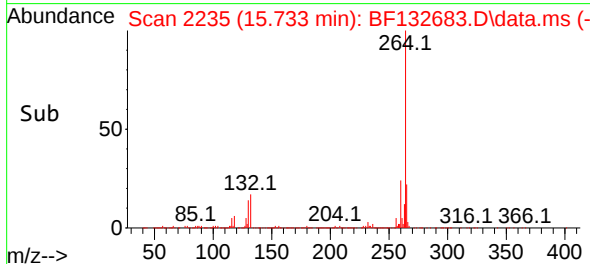
Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306



Tgt Ion:264 Resp: 381582
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 22.1 17.1 25.7

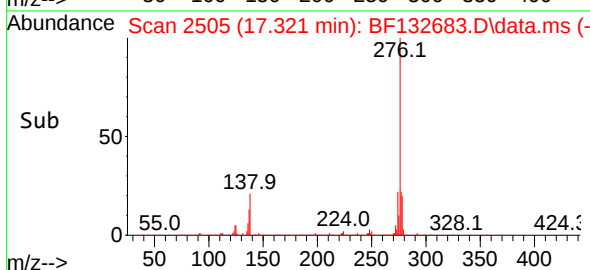
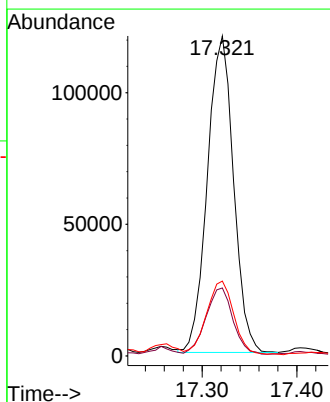
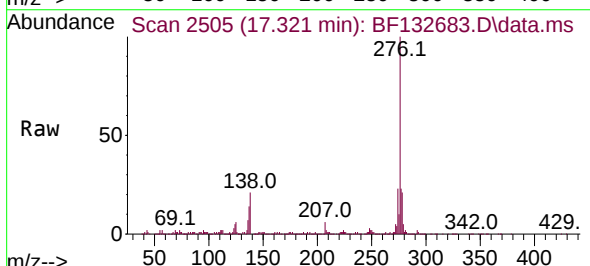
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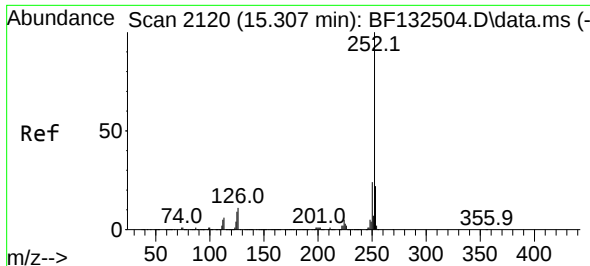
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.230 ng
RT: 17.321 min Scan# 2505
Delta R.T. -0.023 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:276 Resp: 230765
Ion Ratio Lower Upper
276 100
138 22.0 19.0 28.4
277 24.3 20.0 30.0





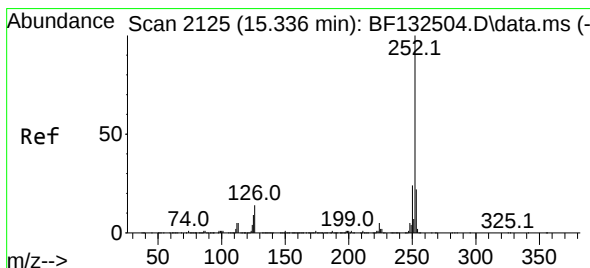
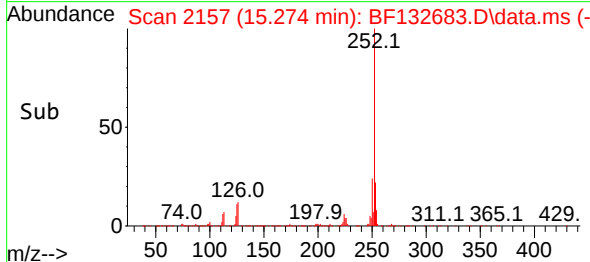
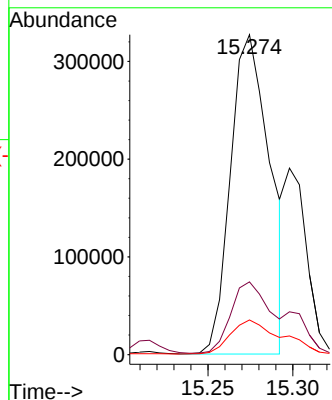
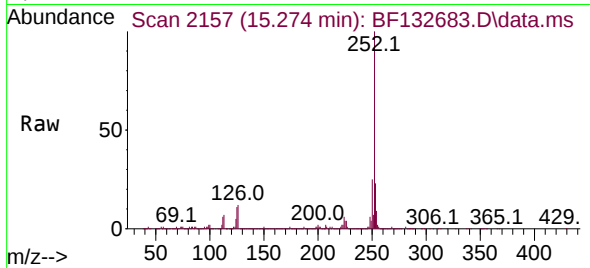
#88
Benzo(b)fluoranthene
Concen: 20.597 ng m
RT: 15.274 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306

Tgt Ion:252 Resp: 526702
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 10.8 7.0 10.6

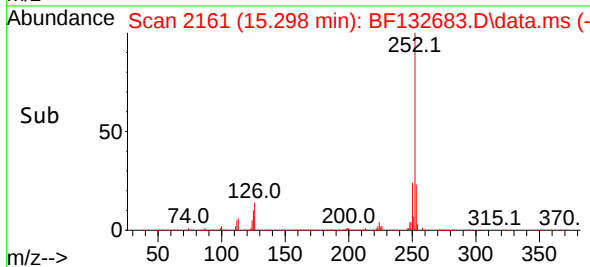
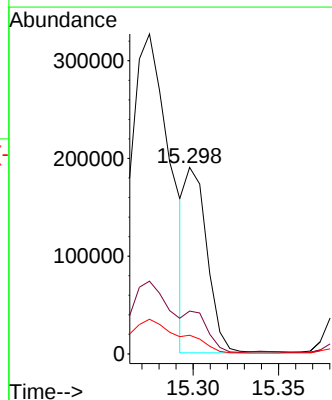
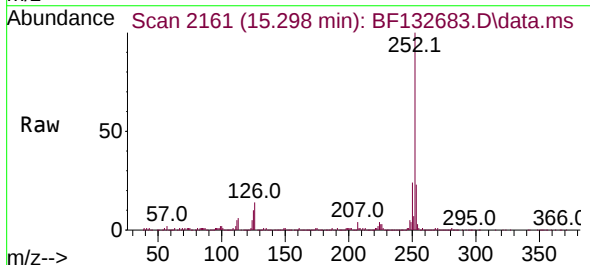
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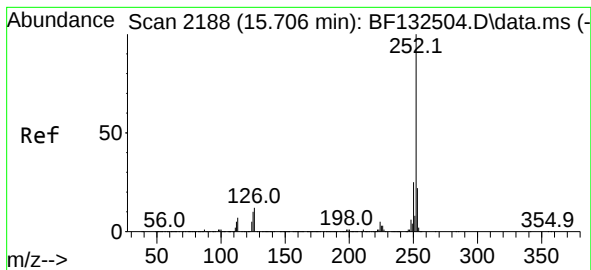
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#89
Benzo(k)fluoranthene
Concen: 6.698 ng m
RT: 15.298 min Scan# 2161
Delta R.T. -0.018 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Tgt Ion:252 Resp: 167618
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.0 7.2 10.8





#90

Benzo(a)pyrene

Concen: 14.635 ng

RT: 15.669 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132683.D

Acq: 07 Mar 2023 18:01

Instrument :

BNA_F

ClientSampleId :

HH-TP1-0306

Tgt Ion:252 Resp: 350266

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

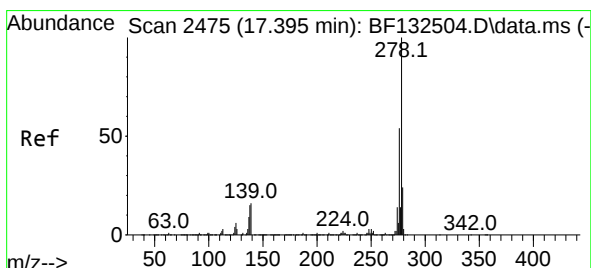
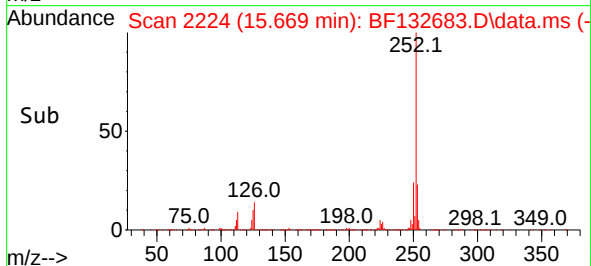
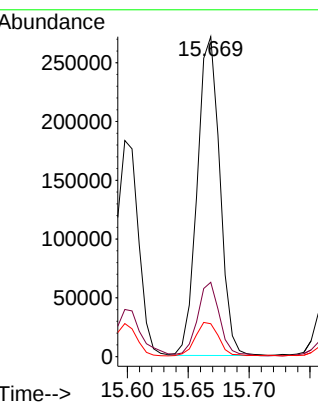
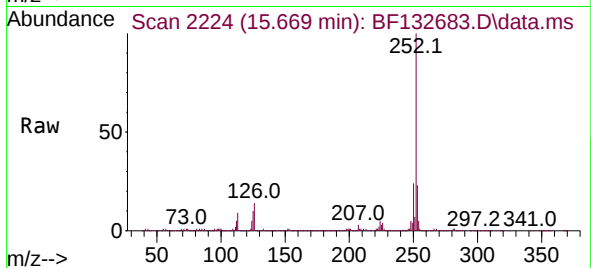
125 10.3 8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.887 ng m

RT: 17.327 min Scan# 2506

Delta R.T. -0.029 min

Lab File: BF132683.D

Acq: 07 Mar 2023 18:01

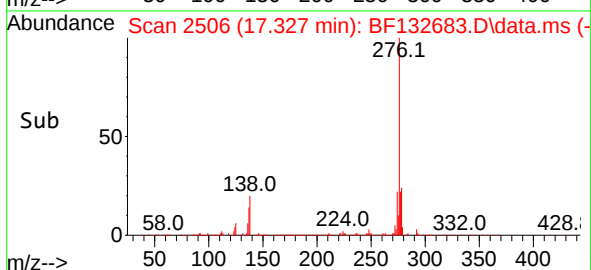
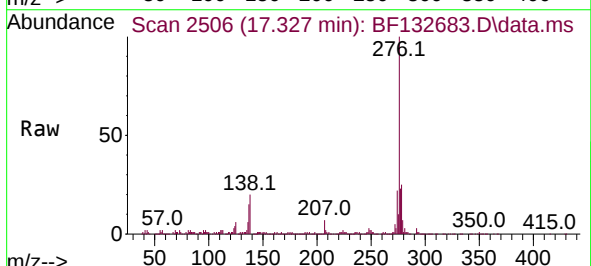
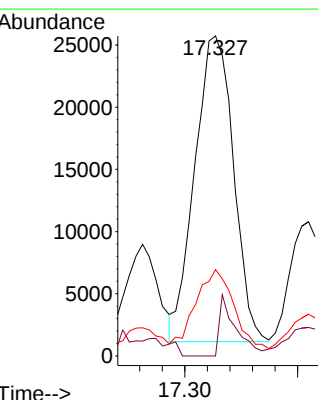
Tgt Ion:278 Resp: 58812

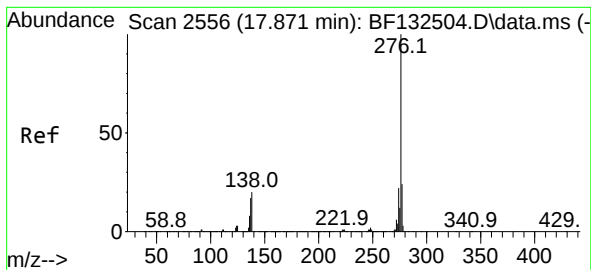
Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.4#

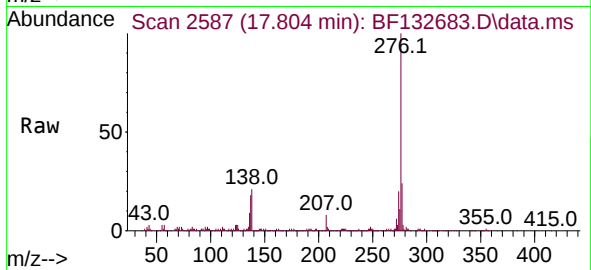
279 27.0 19.0 28.4





#92
Benzo(g,h,i)perylene
Concen: 10.481 ng
RT: 17.804 min Scan# 211225
Delta R.T. -0.029 min
Lab File: BF132683.D
Acq: 07 Mar 2023 18:01

Instrument :
BNA_F
ClientSampleId :
HH-TP1-0306



Tgt Ion:276 Resp: 211225
Ion Ratio Lower Upper
276 100
277 24.3 18.9 28.3
138 21.1 16.2 24.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

