

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133322.D
 Acq On : 09 May 2023 17:43
 Operator : CG\JU
 Sample : 02666-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-050823

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/10/2023
 Supervised By : Jagrut Upadhyay 05/10/2023

Quant Time: May 10 01:48:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	192222	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	725642	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	337150	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	510880	20.000	ng	0.00
76) Chrysene-d12	13.874	240	391473	20.000	ng	0.00
86) Perylene-d12	15.298	264	303994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	534359	41.994	ng	0.00
7) Phenol-d6	6.357	99	640800	40.572	ng	-0.01
23) Nitrobenzene-d5	7.281	82	375539	27.934	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	112120	33.067	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	697822	34.627	ng	0.00
79) Terphenyl-d14	12.827	244	617749	27.215	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.263	178	77162	2.810	ng	97
75) Fluoranthene	12.451	202	117916	4.279	ng	97
78) Pyrene	12.680	202	123833	3.690	ng	99
88) Benzo(b)fluoranthene	14.892	252	59350m	3.069	ng	

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

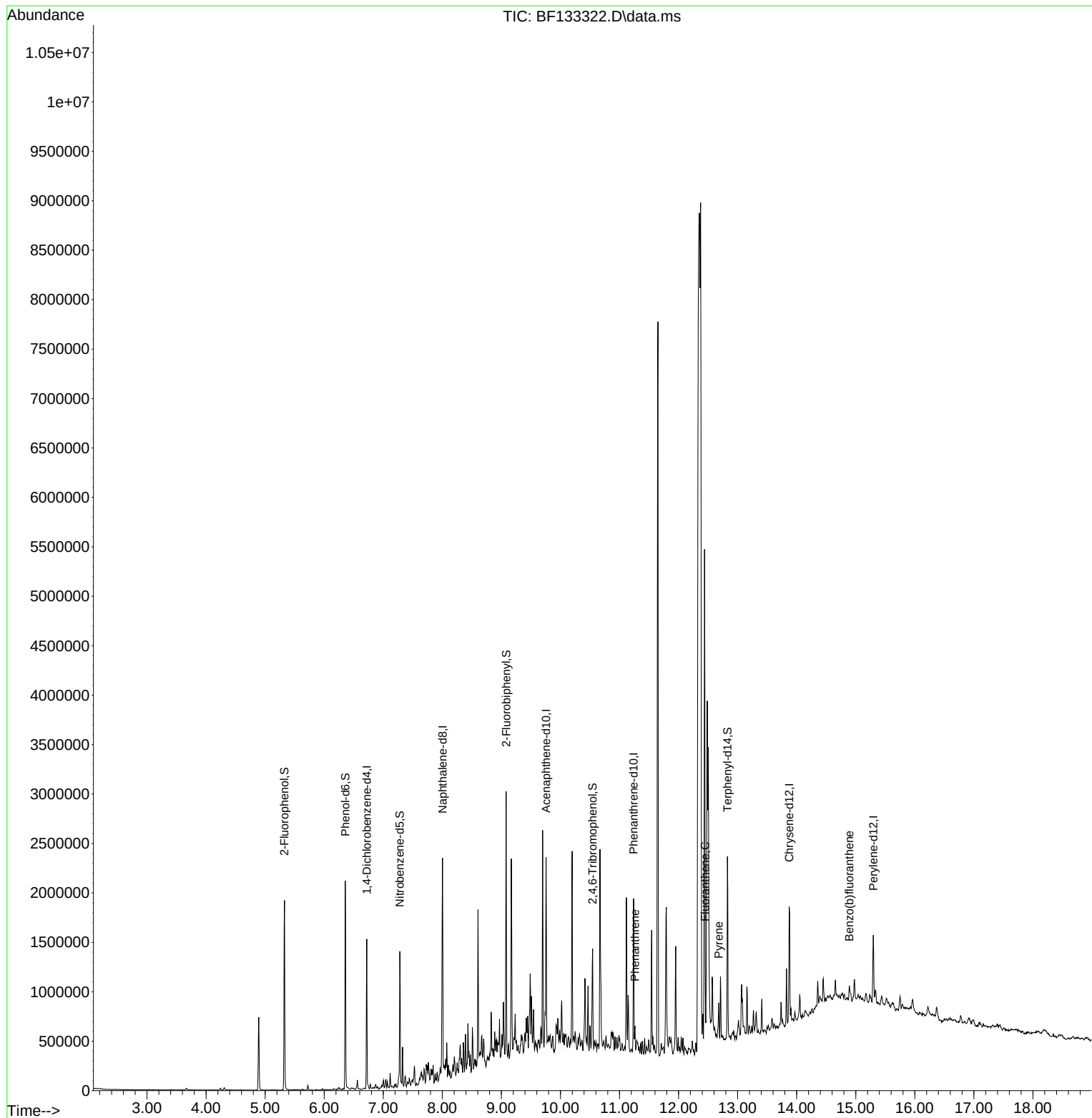
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133322.D
Acq On : 09 May 2023 17:43
Operator : CG\JU
Sample : 02666-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

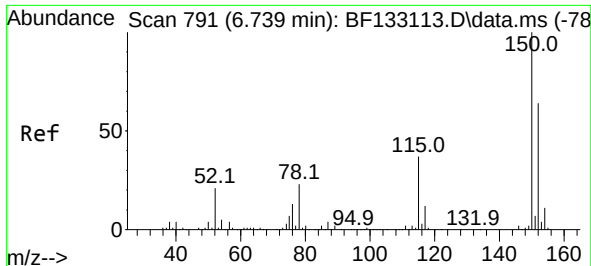
Instrument :
BNA_F
ClientSampleId :
BU-02-050823

Quant Time: May 10 01:48:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 04:59:36 2023
Response via : Initial Calibration

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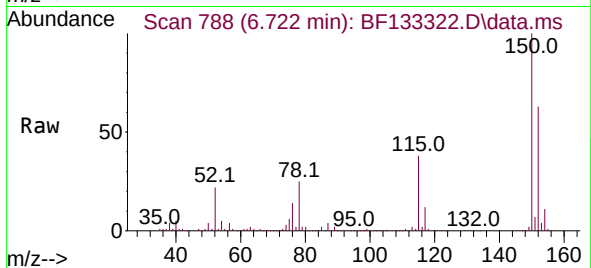
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

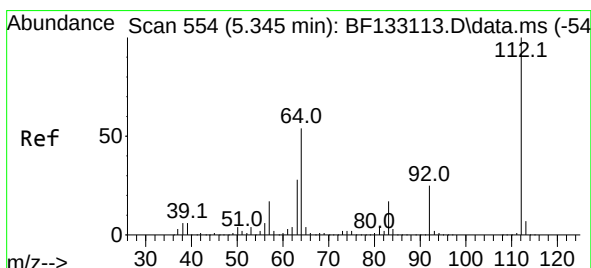
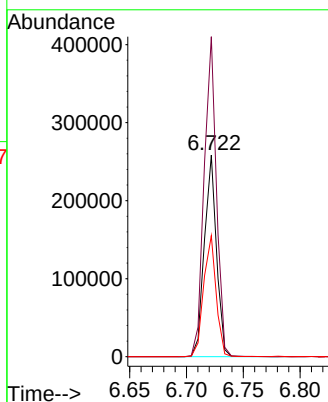
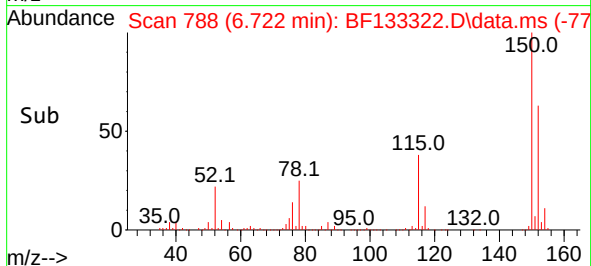


Tgt Ion:152 Resp: 19222
Ion Ratio Lower Upper
152 100
150 158.8 124.8 187.2
115 60.0 49.9 74.9

Manual Integrations

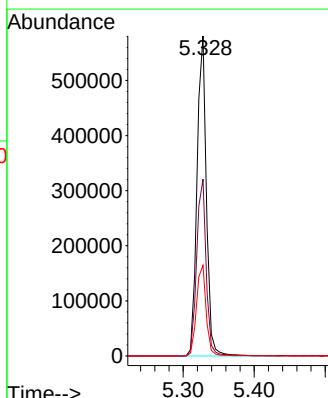
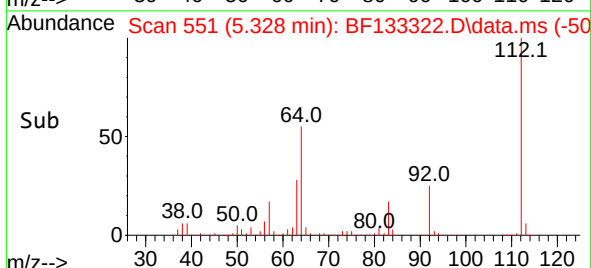
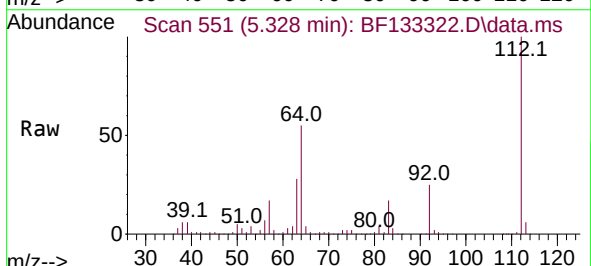
APPROVED

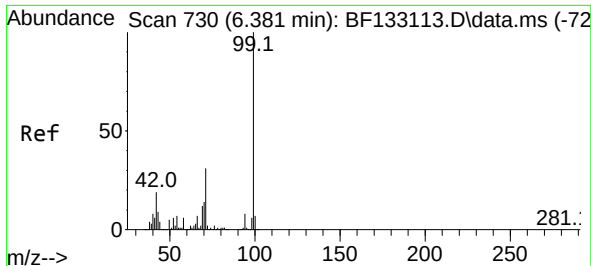
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#5
2-Fluorophenol
Concen: 41.994 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

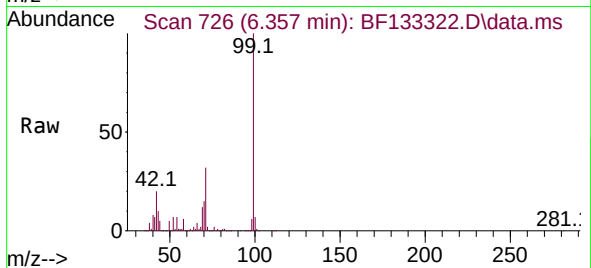
Tgt Ion:112 Resp: 534359
Ion Ratio Lower Upper
112 100
64 55.2 46.8 70.2
63 28.4 23.8 35.8





#7
Phenol-d6
Concen: 40.572 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

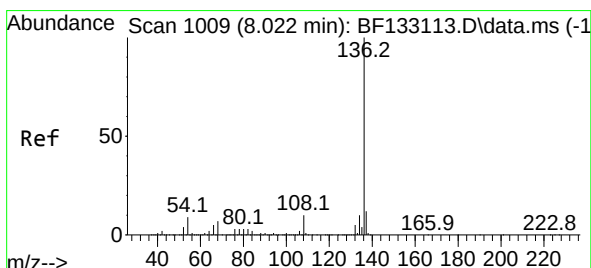
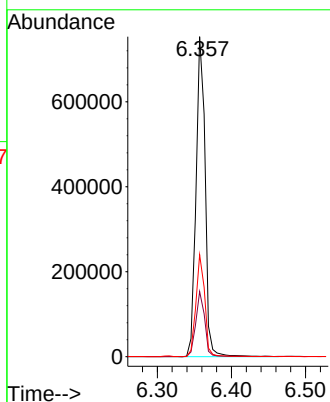
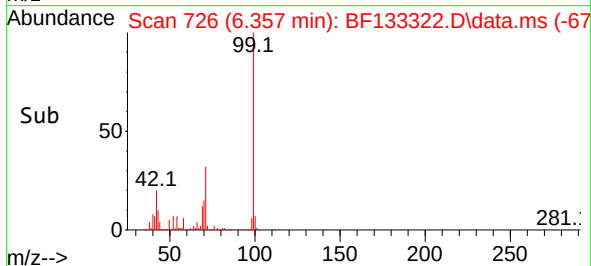
Instrument :
BNA_F
ClientSampleId :
BU-02-050823



Tgt Ion: 99 Resp: 640800
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 31.9 25.6 38.4

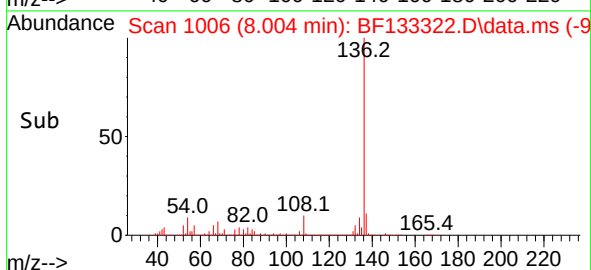
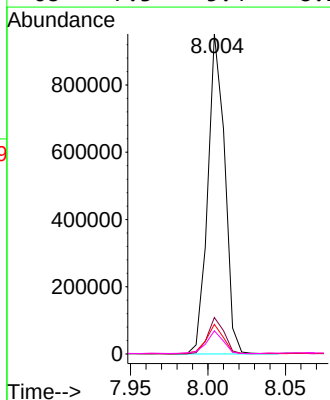
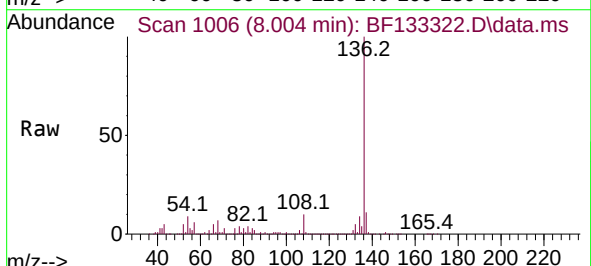
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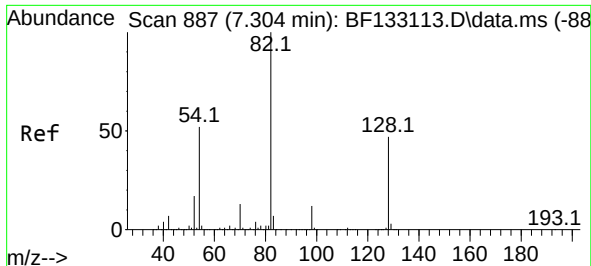
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Tgt Ion:136 Resp: 725642
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 9.3 7.0 10.4
68 7.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 27.934 ng

RT: 7.281 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133322.D

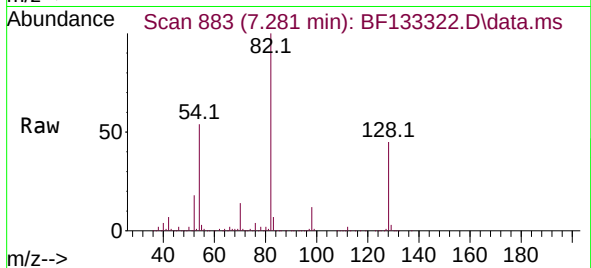
Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

BU-02-050823



Tgt Ion: 82 Resp: 375539

Ion Ratio Lower Upper

82 100

128 45.2 37.7 56.5

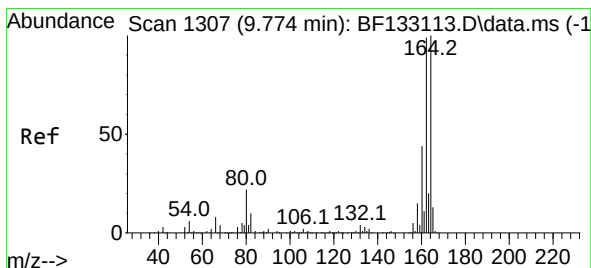
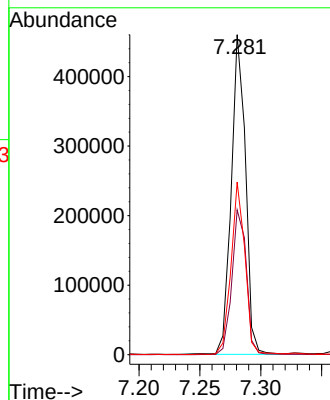
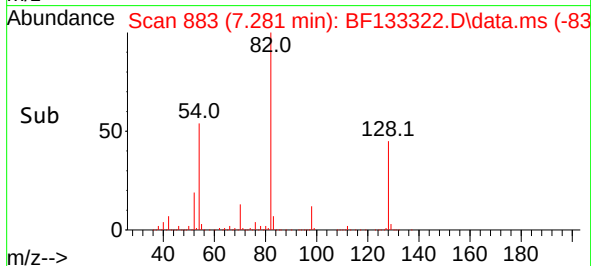
54 53.9 43.0 64.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/10/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

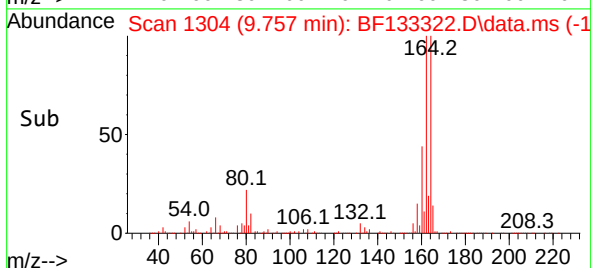
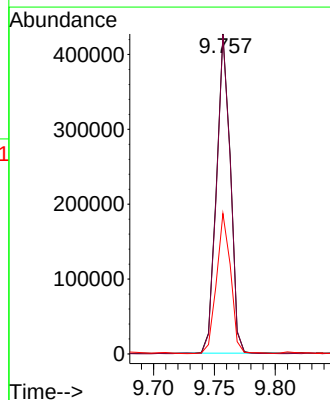
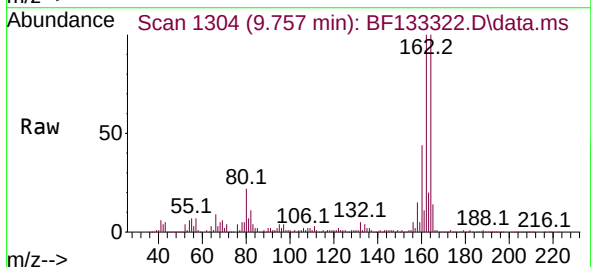
Tgt Ion:164 Resp: 337150

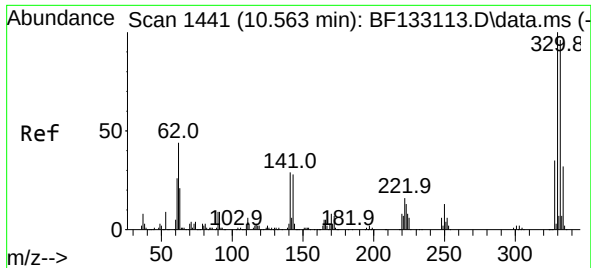
Ion Ratio Lower Upper

164 100

162 99.8 78.7 118.1

160 43.9 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 33.067 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

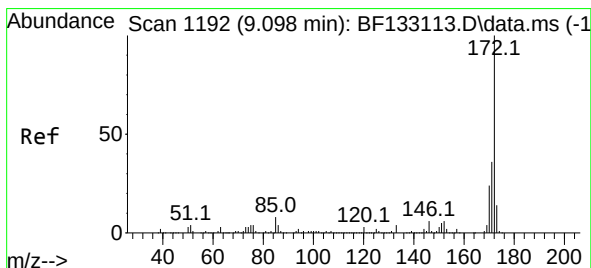
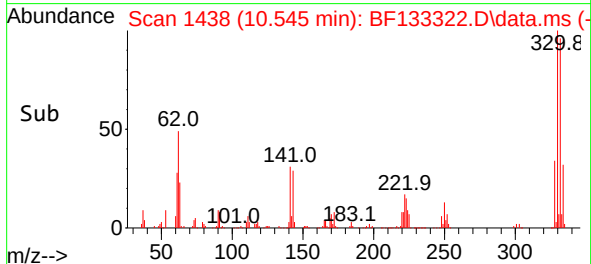
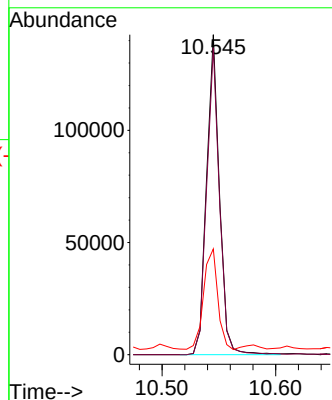
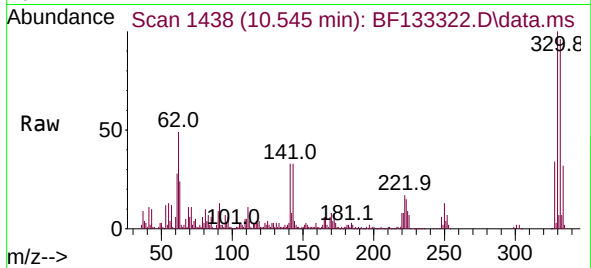
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Tgt Ion: 330 Resp: 112120
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 34.6 25.8 38.8

Manual Integrations

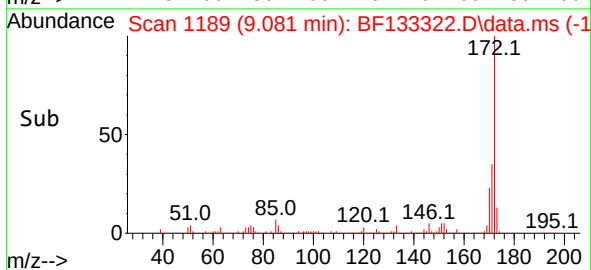
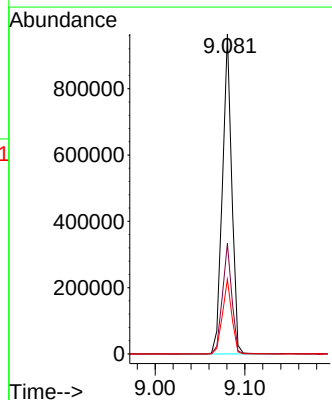
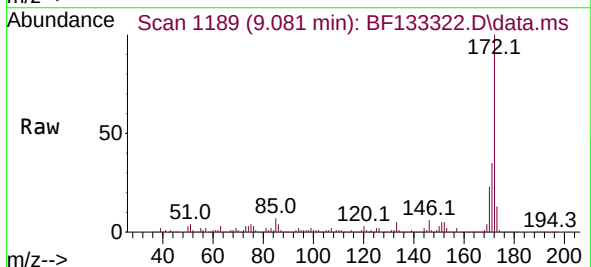
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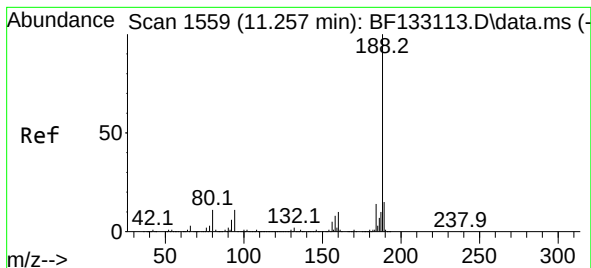
Reviewed By : Christian Giraldo 05/10/2023
Supervised By : Jagrut Upadhyay 05/10/2023



#45
2-Fluorobiphenyl
Concen: 34.627 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Tgt Ion: 172 Resp: 697822
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 23.3 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

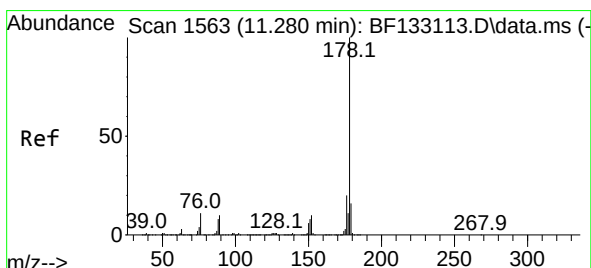
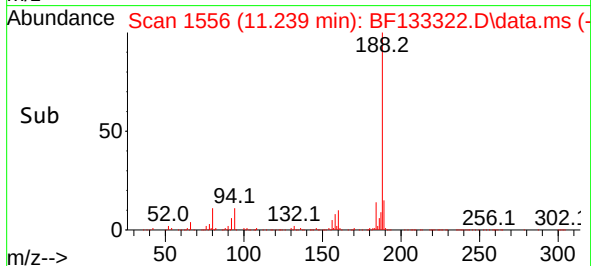
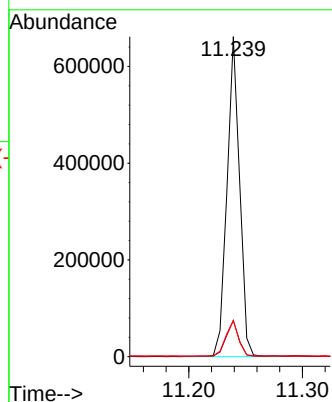
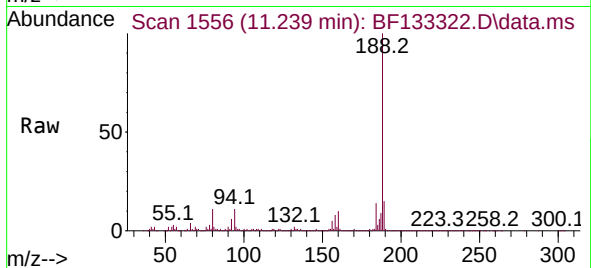
BU-02-050823

Tgt Ion:188 Resp: 510880
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 11.3 10.4 15.6

Manual Integrations

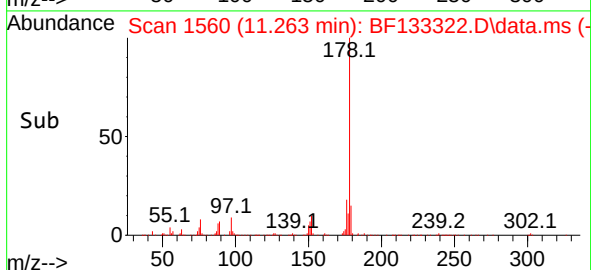
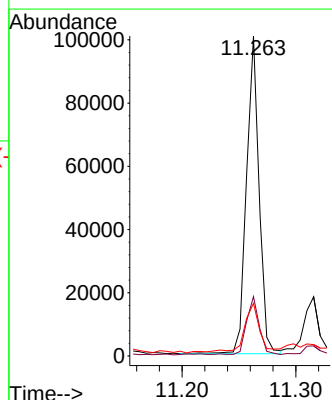
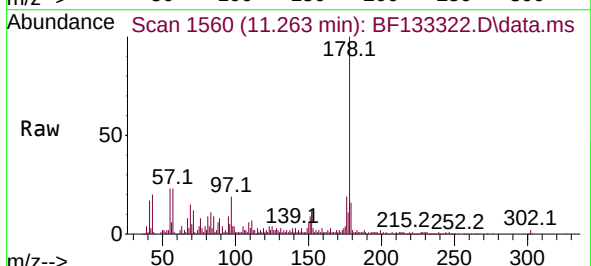
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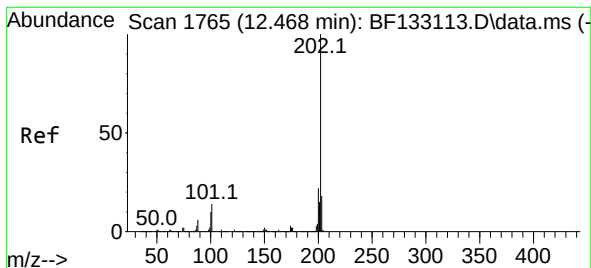
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#71
Phenanthrene
Concen: 2.810 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Tgt Ion:178 Resp: 77162
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 16.5 12.5 18.7





#75

Fluoranthene

Concen: 4.279 ng

RT: 12.451 min Scan# 117910

Delta R.T. -0.006 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

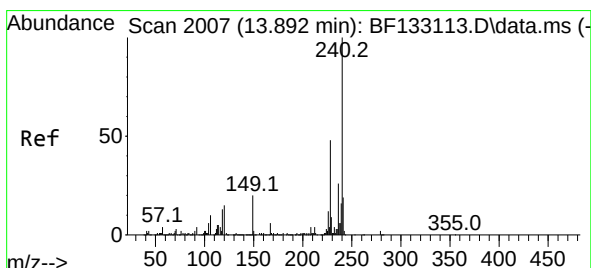
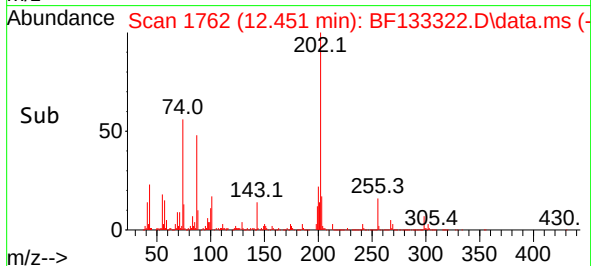
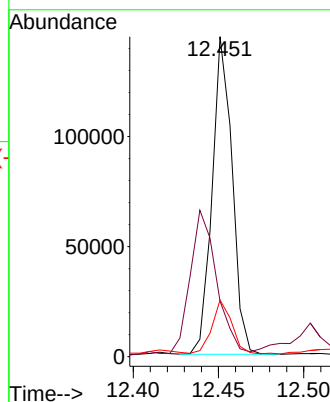
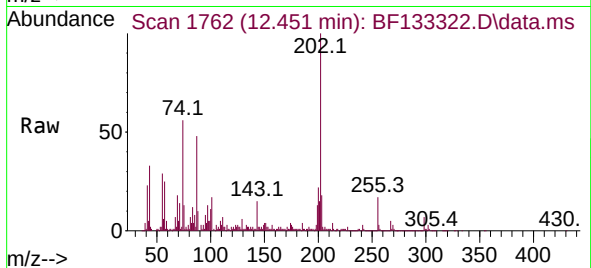
Tgt Ion:	202	Resp:	117910
Ion Ratio	Lower	Upper	
202	100		
101	17.3	0.0	35.3
203	17.7	0.0	38.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/10/2023



#76

Chrysene-d12

Concen: 20.000 ng

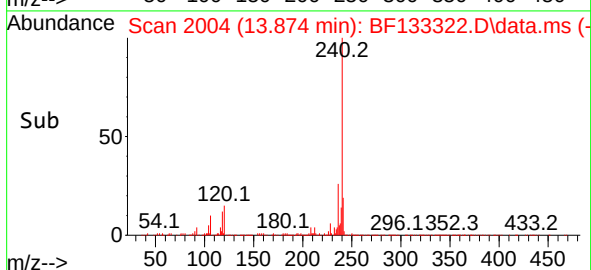
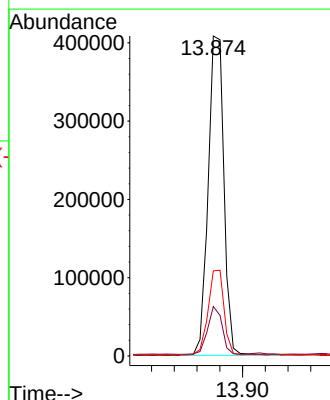
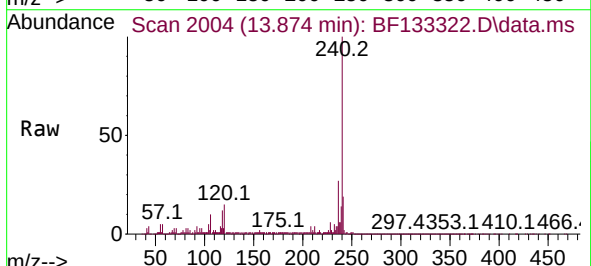
RT: 13.874 min Scan# 2004

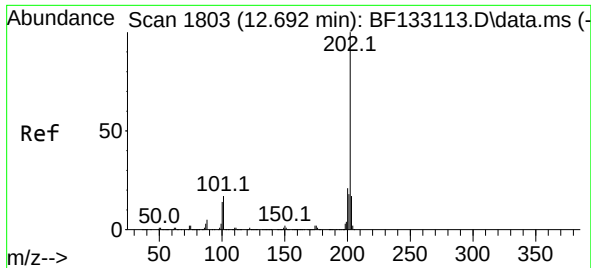
Delta R.T. -0.006 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

Tgt Ion:	240	Resp:	391473
Ion Ratio	Lower	Upper	
240	100		
120	15.5	10.5	15.7
236	26.6	21.5	32.3





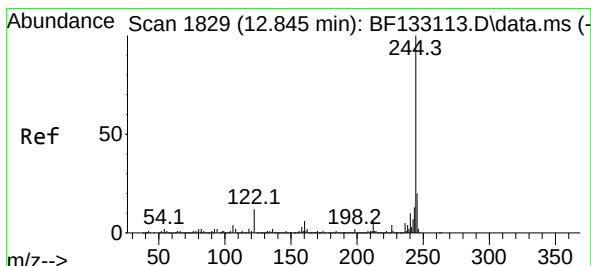
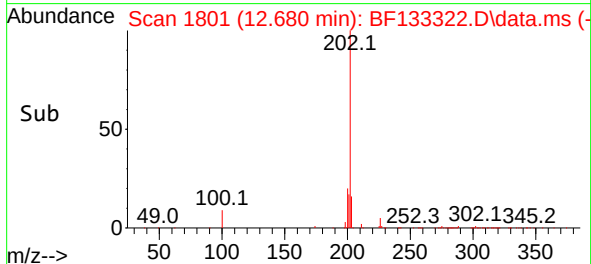
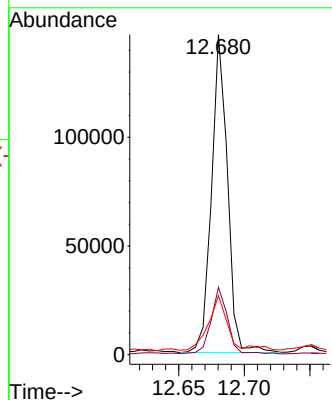
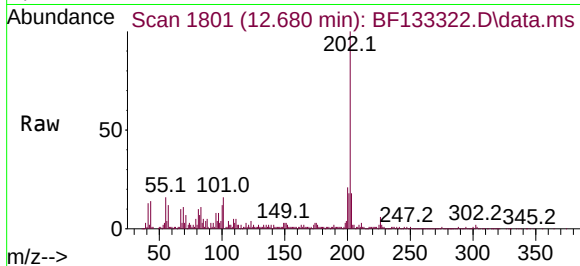
#78
Pyrene
Concen: 3.690 ng
RT: 12.680 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Instrument :
BNA_F
ClientSampleId :
BU-02-050823

Tgt Ion:202 Resp: 12383
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 18.5 14.1 21.1

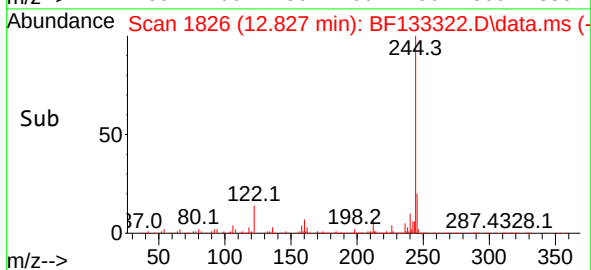
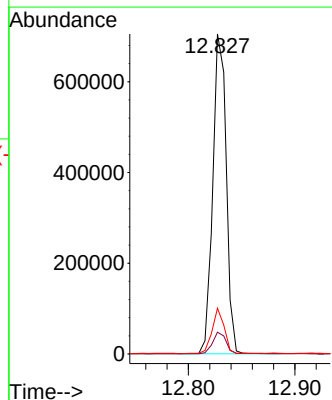
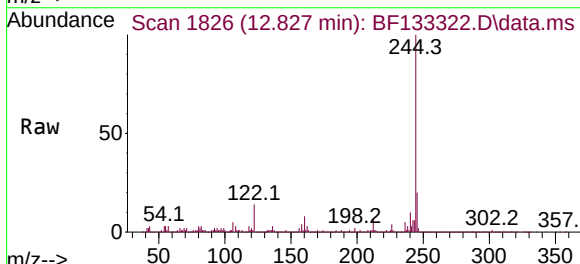
Manual Integrations
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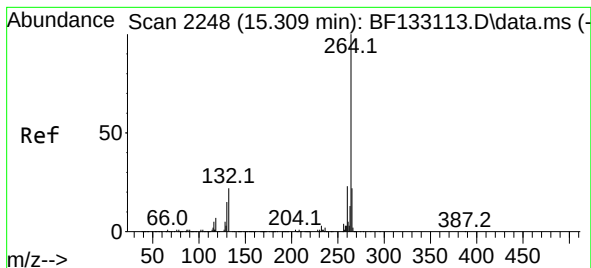
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#79
Terphenyl-d14
Concen: 27.215 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Tgt Ion:244 Resp: 617749
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 14.3 8.6 13.0#





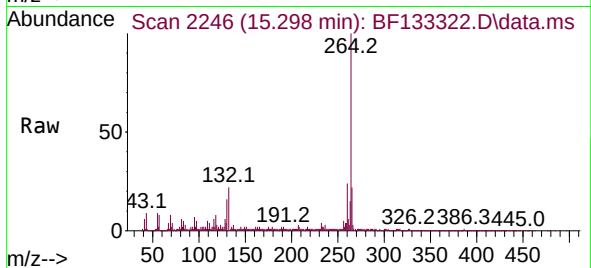
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2177
Delta R.T. 0.006 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

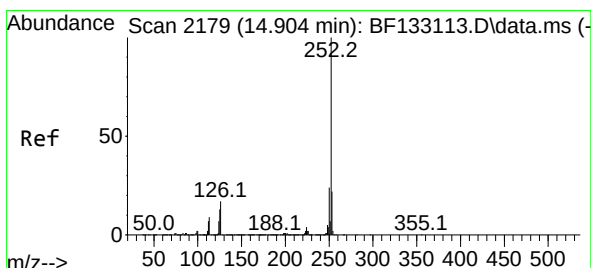
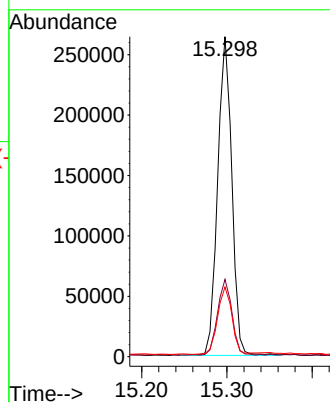
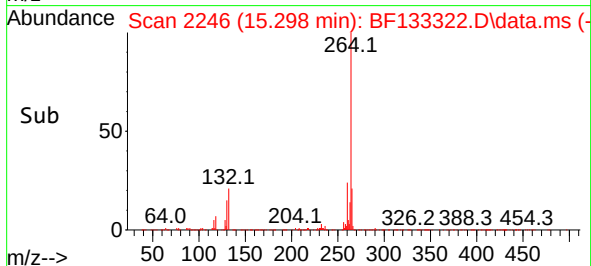


Tgt Ion:264 Resp: 303994
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 21.8 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#88
Benzo(b)fluoranthene
Concen: 3.069 ng m
RT: 14.892 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Tgt Ion:252 Resp: 59350
Ion Ratio Lower Upper
252 100
253 30.1 17.6 26.4#
125 25.6 8.9 13.3#

