

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031323\
 Data File : BF132769.D
 Acq On : 13 Mar 2023 19:56
 Operator : CG\JU
 Sample : 01863-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 030923-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/14/2023
 Supervised By : Jagrut Upadhyay 03/14/2023

Quant Time: Mar 14 01:33:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 13:44:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	204250	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	793584	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	442708	20.000	ng	-0.01
64) Phenanthrene-d10	11.504	188	878322	20.000	ng	0.00
76) Chrysene-d12	14.157	240	479125	20.000	ng	#-0.01
86) Perylene-d12	15.692	264	467329	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	1039819	82.624	ng	0.00
7) Phenol-d6	6.598	99	1334534	81.253	ng	-0.01
23) Nitrobenzene-d5	7.533	82	846729	50.622	ng	-0.01
42) 2,4,6-Tribromophenol	10.804	330	403192	84.331	ng	-0.01
45) 2-Fluorobiphenyl	9.327	172	1479009	50.869	ng	0.00
79) Terphenyl-d14	13.092	244	1822386	64.309	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.721	202	143038	2.876	ng	97
78) Pyrene	12.957	202	242844	5.575	ng	99
88) Benzo(b)fluoranthene	15.233	252	65353m	2.087	ng	
92) Benzo(g,h,i)perylene	17.745	276	27613	2.561	ng	# 95

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

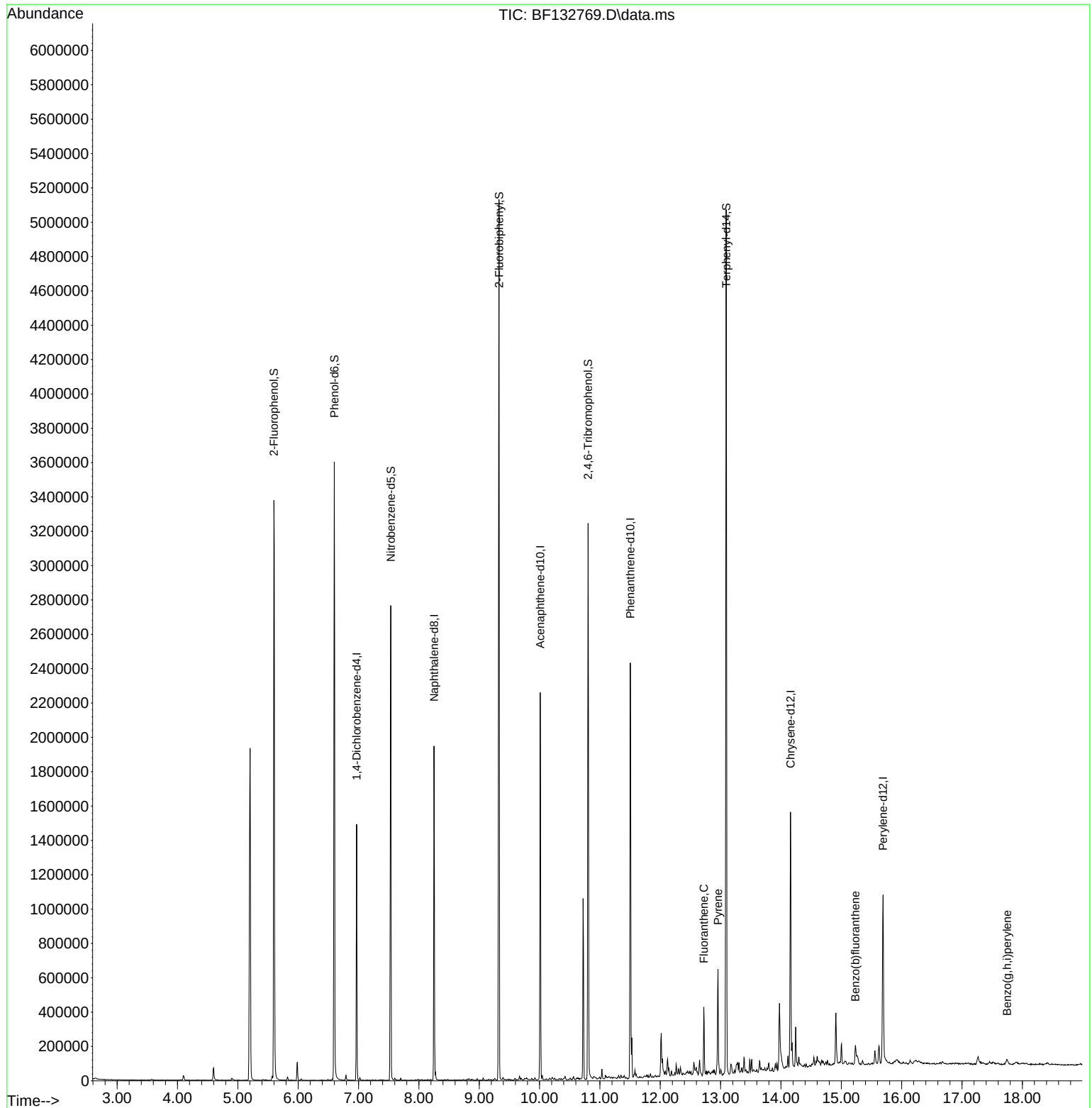
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031323\
Data File : BF132769.D
Acq On : 13 Mar 2023 19:56
Operator : CG\JU
Sample : 01863-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

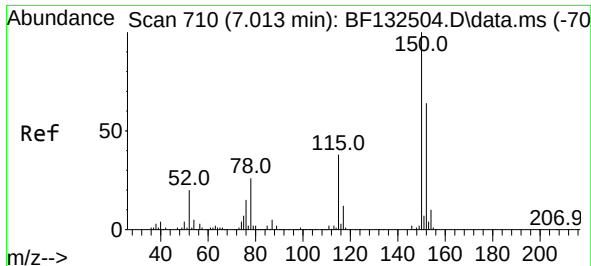
Instrument :
BNA_F
ClientSampleId :
030923-1

Quant Time: Mar 14 01:33:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF02223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 13:44:13 2023
Response via : Initial Calibration

Manual Integrations
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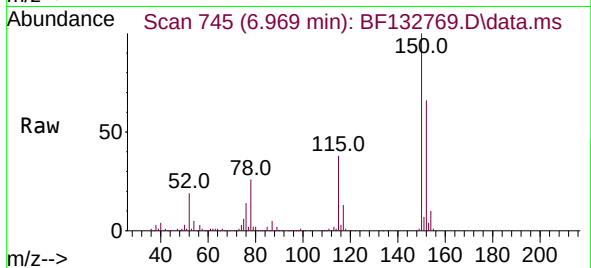
Reviewed By : Christian Giraldo 03/14/2023
Supervised By : Jagrut Upadhyay 03/14/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: BF132769.D
 Acq: 13 Mar 2023 19:56

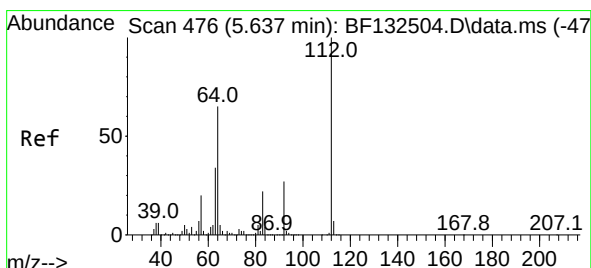
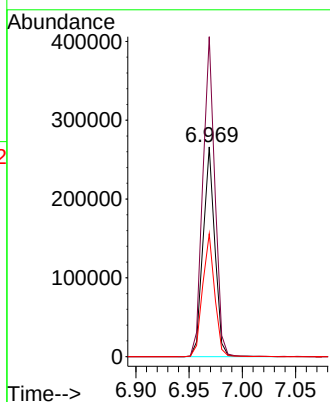
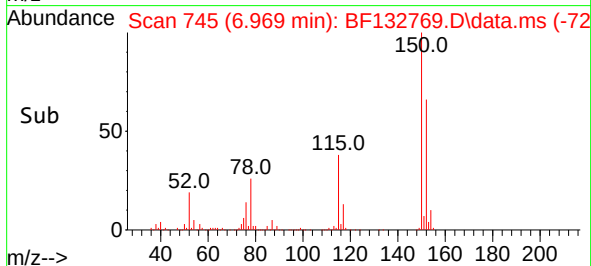
Instrument :
 BNA_F
 ClientSampleId :
 030923-1



Tgt Ion:152 Resp: 204250
 Ion Ratio Lower Upper
 152 100
 150 152.6 125.4 188.2
 115 58.5 47.8 71.6

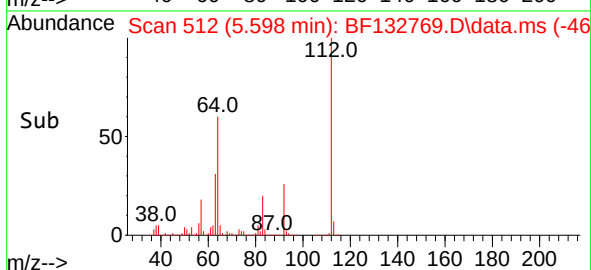
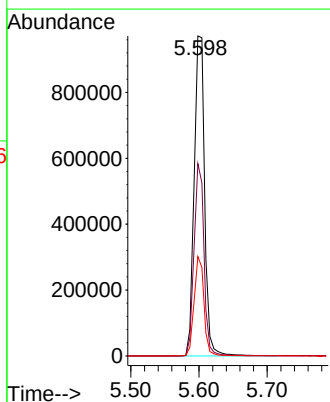
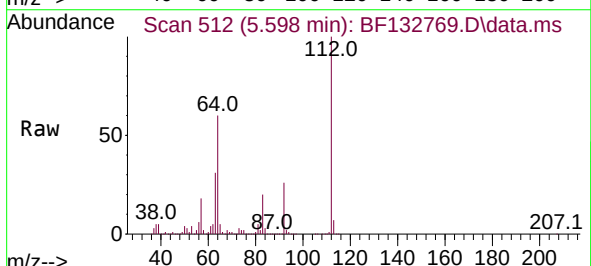
Manual Integrations
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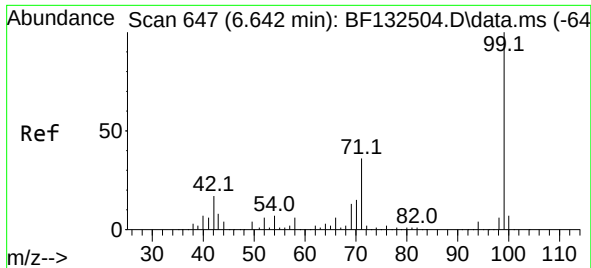
Reviewed By :Christian Giraldo 03/14/2023
 Supervised By :Jagrut Upadhyay 03/14/2023



#5
 2-Fluorophenol
 Concen: 82.624 ng
 RT: 5.598 min Scan# 512
 Delta R.T. -0.000 min
 Lab File: BF132769.D
 Acq: 13 Mar 2023 19:56

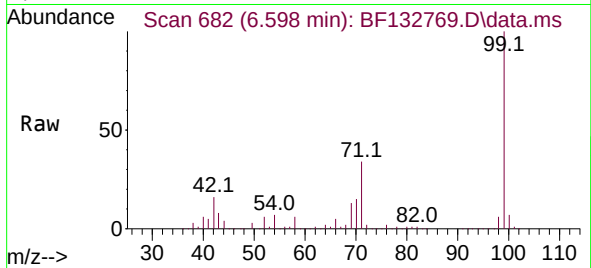
Tgt Ion:112 Resp: 1039819
 Ion Ratio Lower Upper
 112 100
 64 60.1 51.6 77.4
 63 31.0 27.4 41.2





#7
Phenol-d6
Concen: 81.253 ng
RT: 6.598 min Scan# 61
Delta R.T. -0.012 min
Lab File: BF132769.D
Acq: 13 Mar 2023 19:56

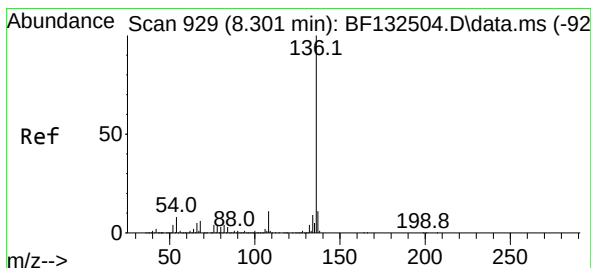
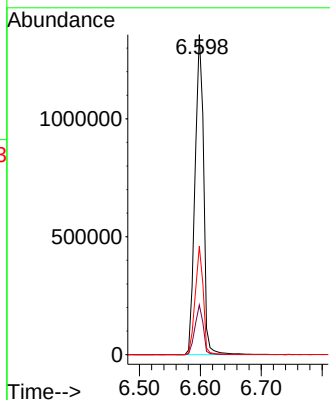
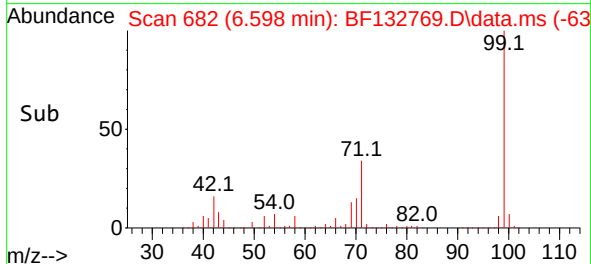
Instrument :
BNA_F
ClientSampleId :
030923-1



Tgt Ion: 99 Resp: 1334534
Ion Ratio Lower Upper
99 100
42 15.5 13.9 20.9
71 33.8 28.5 42.7

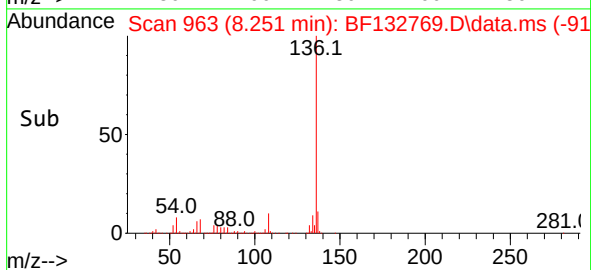
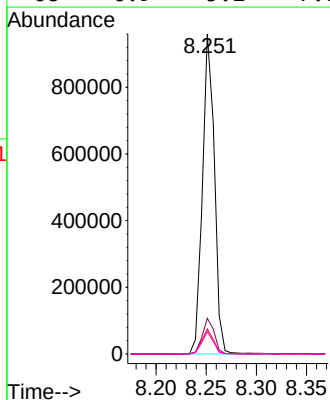
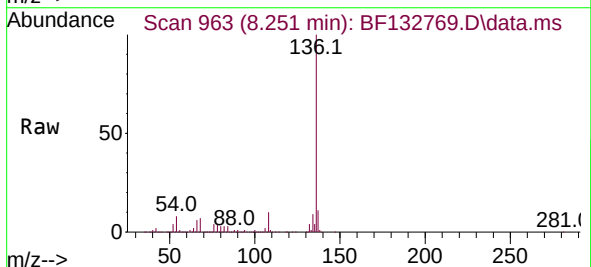
Manual Integrations
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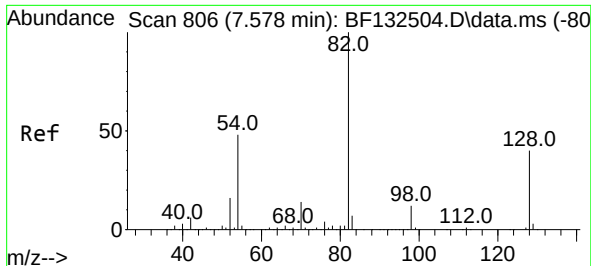
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF132769.D
Acq: 13 Mar 2023 19:56

Tgt Ion:136 Resp: 793584
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.8 6.2 9.4
68 6.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 50.622 ng

RT: 7.533 min Scan# 841

Delta R.T. -0.012 min

Lab File: BF132769.D

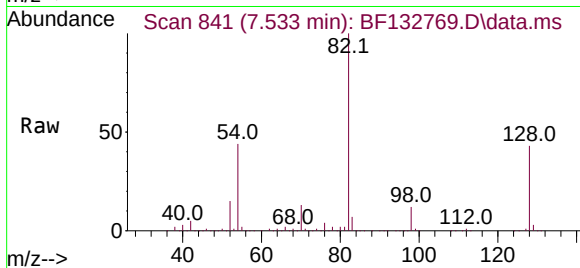
Acq: 13 Mar 2023 19:56

Instrument :

BNA_F

ClientSampleId :

030923-1



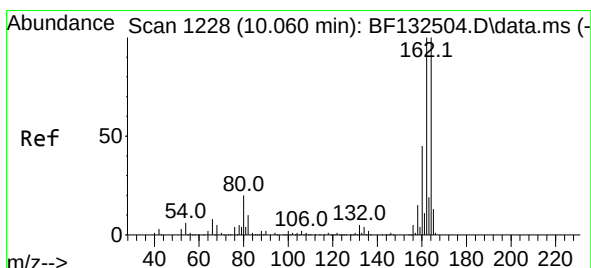
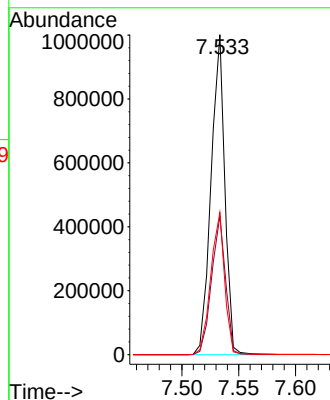
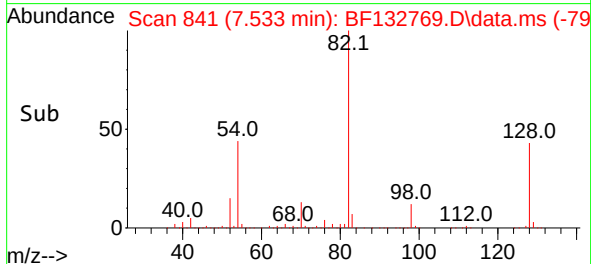
Tgt Ion: 82 Resp: 846729

Ion	Ratio	Lower	Upper
82	100		
128	43.4	32.2	48.2
54	44.4	38.4	57.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1262

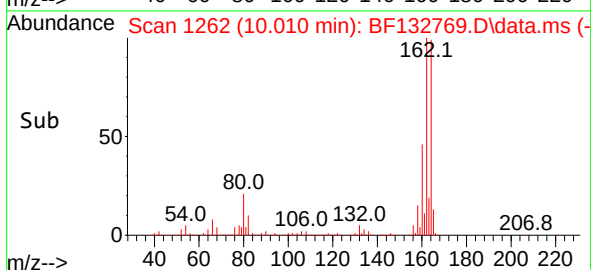
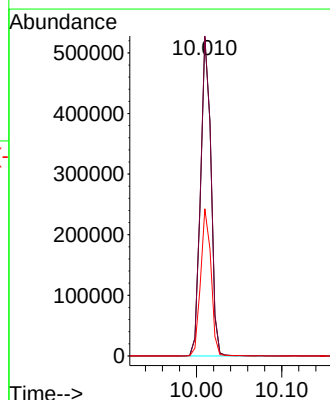
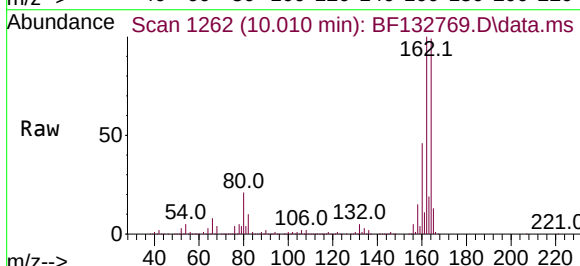
Delta R.T. -0.012 min

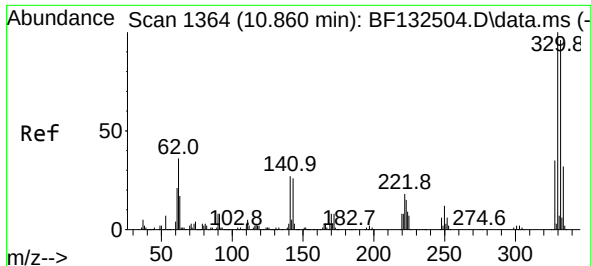
Lab File: BF132769.D

Acq: 13 Mar 2023 19:56

Tgt Ion:164 Resp: 442708

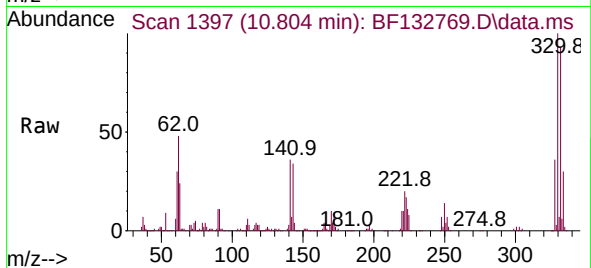
Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.8	119.8
160	46.2	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 84.331 ng
RT: 10.804 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF132769.D
Acq: 13 Mar 2023 19:56

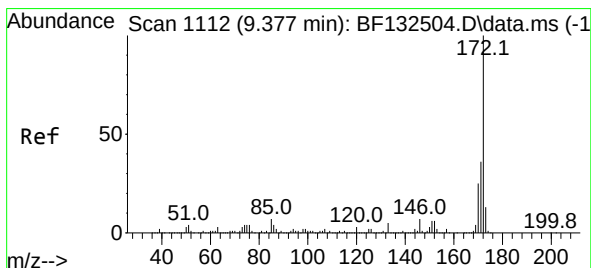
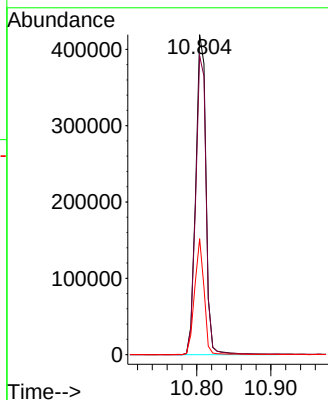
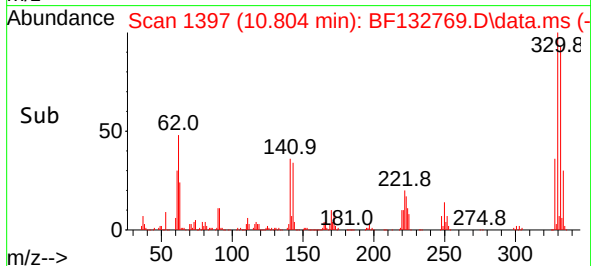
Instrument :
BNA_F
ClientSampleId :
030923-1



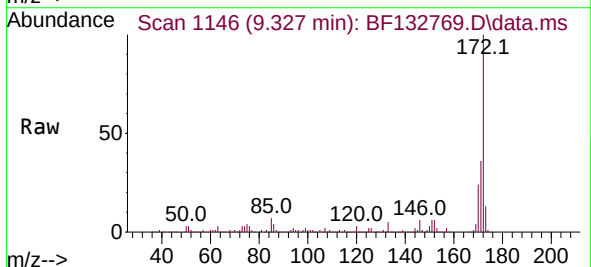
Tgt Ion: 330 Resp: 403192
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 33.7 28.4 42.6

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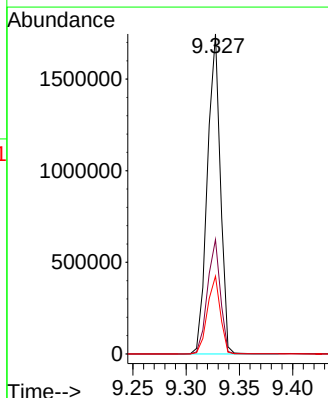
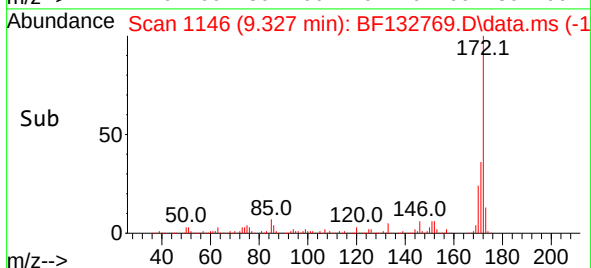
Reviewed By : Christian Giraldo 03/14/2023
Supervised By : Jagrut Upadhyay 03/14/2023

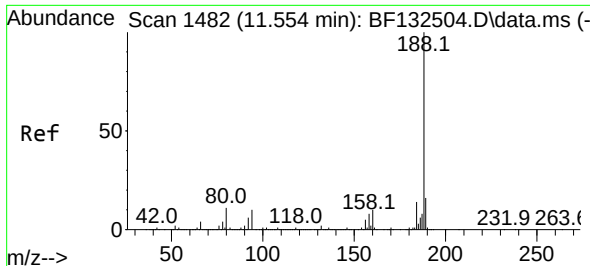


#45
2-Fluorobiphenyl
Concen: 50.869 ng
RT: 9.327 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF132769.D
Acq: 13 Mar 2023 19:56



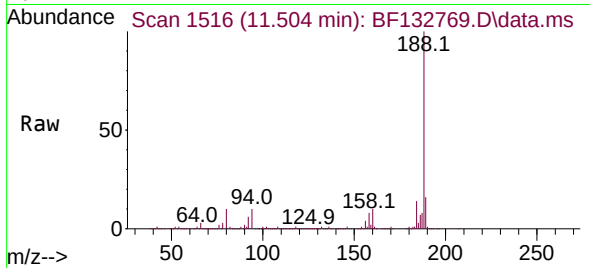
Tgt Ion: 172 Resp: 1479009
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.3 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132769.D
Acq: 13 Mar 2023 19:56

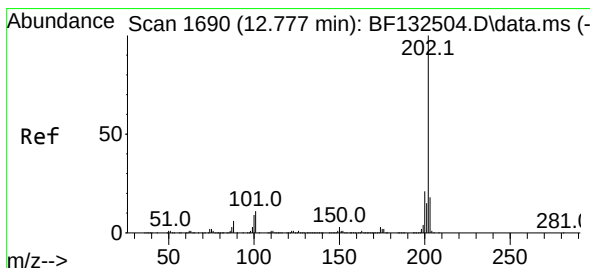
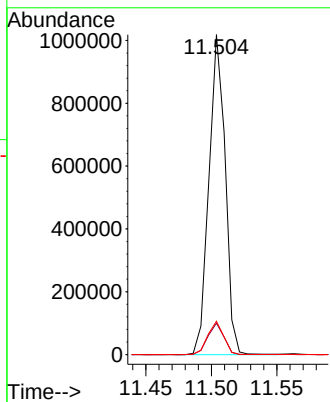
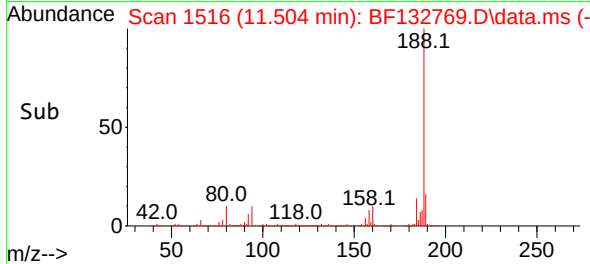
Instrument :
BNA_F
ClientSampleId :
030923-1



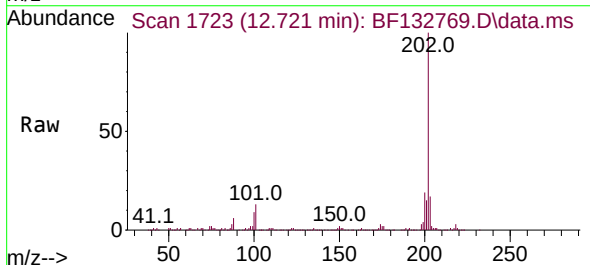
Tgt Ion:188 Resp: 878322
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 10.5 8.7 13.1

Manual Integrations
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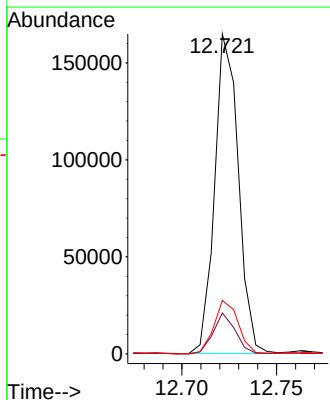
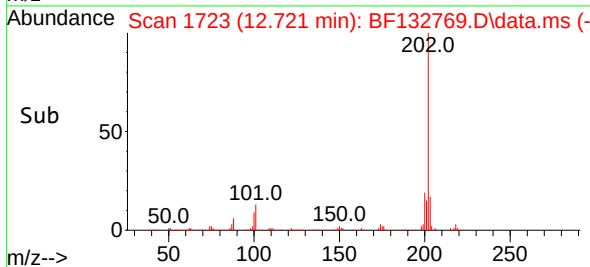
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

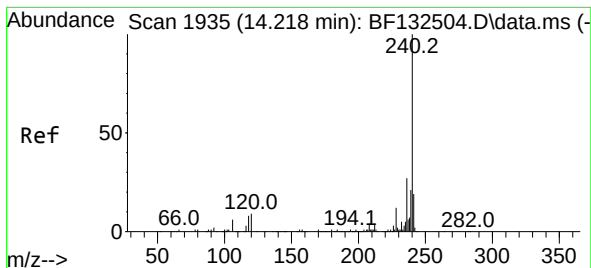


#75
Fluoranthene
Concen: 2.876 ng
RT: 12.721 min Scan# 1723
Delta R.T. -0.012 min
Lab File: BF132769.D
Acq: 13 Mar 2023 19:56



Tgt Ion:202 Resp: 143038
Ion Ratio Lower Upper
202 100
101 12.8 0.0 31.4
203 16.7 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 1935

Delta R.T. -0.012 min

Lab File: BF132769.D

Acq: 13 Mar 2023 19:56

Instrument :

BNA_F

ClientSampleId :

030923-1

Tgt Ion:240 Resp: 479125

Ion Ratio Lower Upper

240 100

120 11.1 7.2 10.8

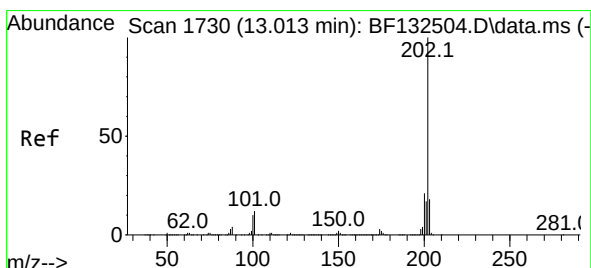
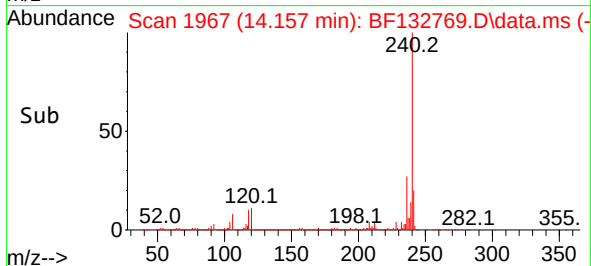
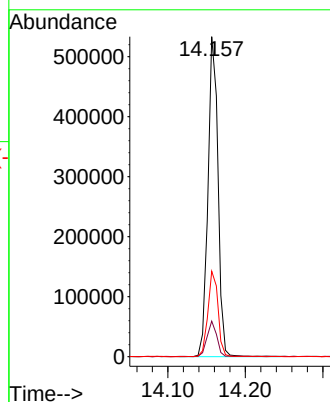
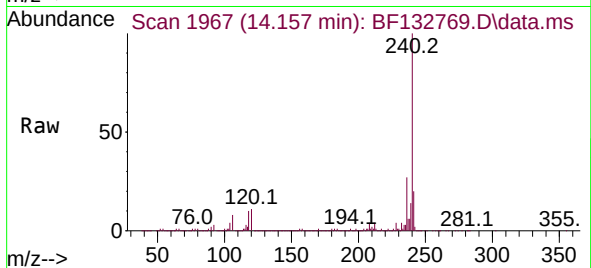
236 26.7 21.8 32.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#78

Pyrene

Concen: 5.575 ng

RT: 12.957 min Scan# 1763

Delta R.T. -0.012 min

Lab File: BF132769.D

Acq: 13 Mar 2023 19:56

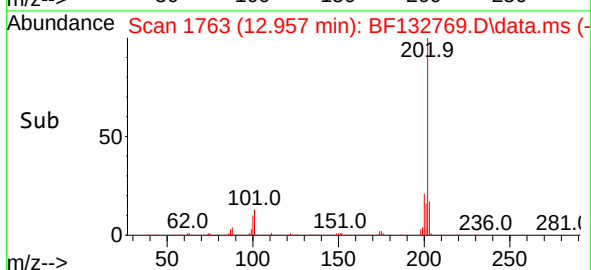
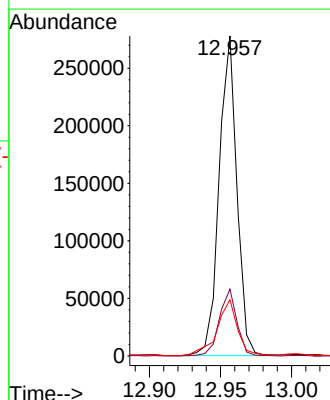
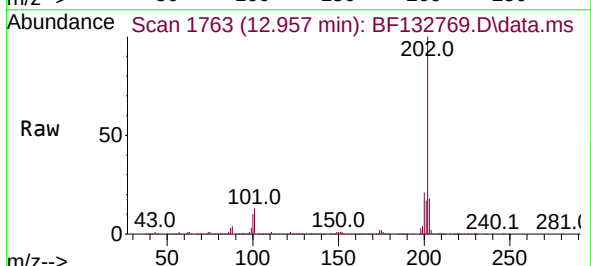
Tgt Ion:202 Resp: 242844

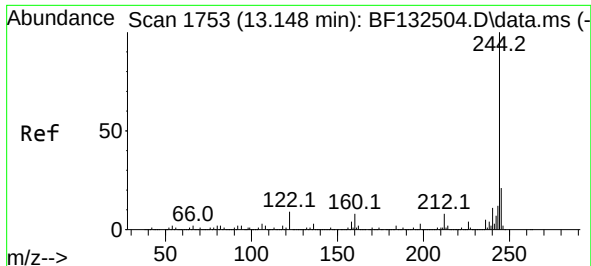
Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 17.5 14.6 21.8





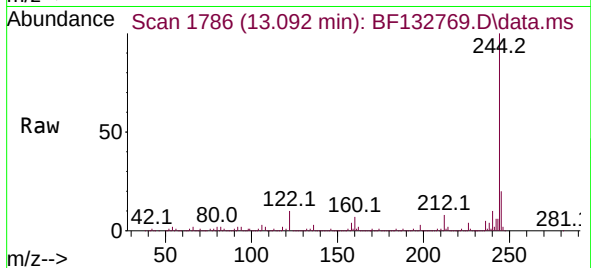
#79
 Terphenyl-d14
 Concen: 64.309 ng
 RT: 13.092 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132769.D
 Acq: 13 Mar 2023 19:56

Instrument :

BNA_F

ClientSampleId :

030923-1

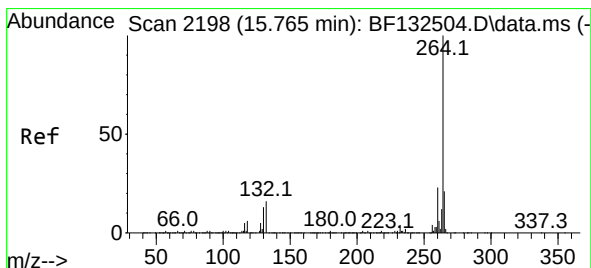
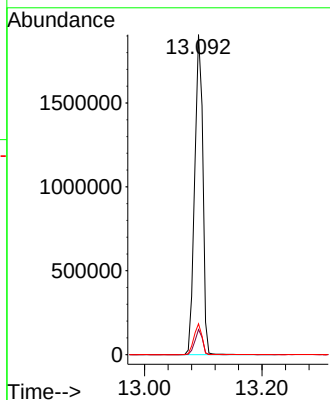
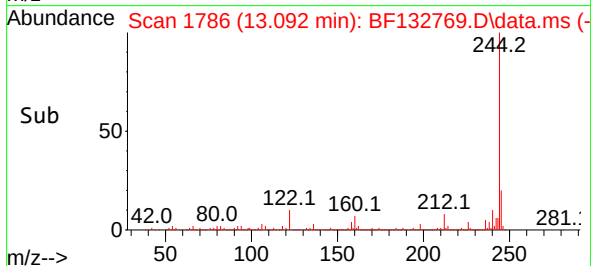


Tgt Ion:244 Resp: 1822386
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.5 9.7
 122 9.6 7.5 11.3

Manual Integrations

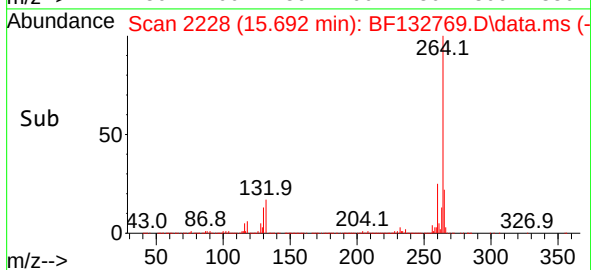
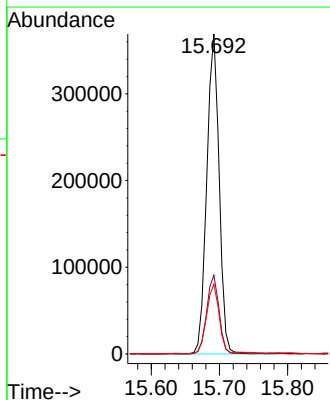
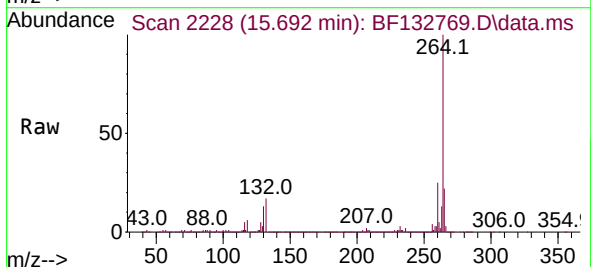
APPROVED

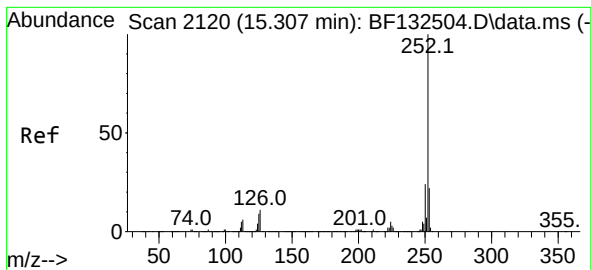
Reviewed By :Christian Giraldo 03/14/2023
 Supervised By :Jagrut Upadhyay 03/14/2023



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.692 min Scan# 2228
 Delta R.T. -0.006 min
 Lab File: BF132769.D
 Acq: 13 Mar 2023 19:56

Tgt Ion:264 Resp: 467329
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.8 28.2
 265 21.8 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 2.087 ng m

RT: 15.233 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132769.D

Acq: 13 Mar 2023 19:56

Instrument :

BNA_F

ClientSampleId :

030923-1

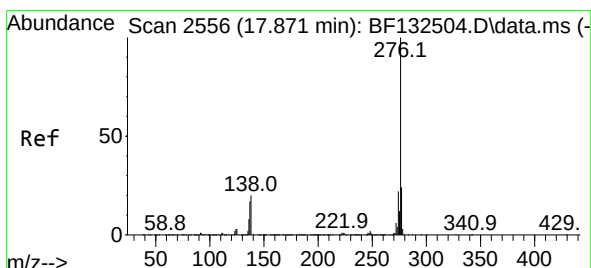
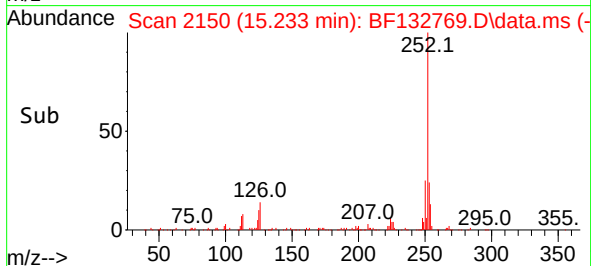
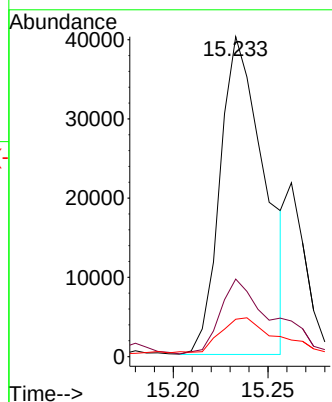
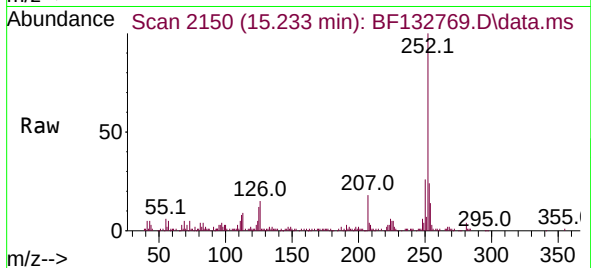
Tgt Ion:	252	Resp:	6535
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	11.7	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#92

Benzo(g,h,i)perylene

Concen: 2.561 ng

RT: 17.745 min Scan# 2577

Delta R.T. -0.024 min

Lab File: BF132769.D

Acq: 13 Mar 2023 19:56

Tgt Ion:	276	Resp:	27613
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.9	28.3
138	25.5	16.2	24.4

