

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132982.D
 Acq On : 21 Apr 2023 22:05
 Operator : CG\JU
 Sample : 02389-27 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-7WC-23-04-17

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/24/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 22 04:31:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	204778	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	777969	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	352439	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	512848	20.000	ng	0.00
76) Chrysene-d12	13.910	240	344543	20.000	ng	# 0.00
86) Perylene-d12	15.345	264	312874	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	476495	35.150	ng	0.00
7) Phenol-d6	6.381	99	572004	33.996	ng	0.00
23) Nitrobenzene-d5	7.310	82	339048	23.524	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	90819	25.623	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	583447	27.696	ng	0.00
79) Terphenyl-d14	12.857	244	430704	21.560	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	467912	16.975	ng	100
72) Anthracene	11.345	178	107820	3.822	ng	99
73) Carbazole	11.498	167	60072	2.392	ng	95
75) Fluoranthene	12.480	202	659739	23.849	ng	99
78) Pyrene	12.710	202	588079	19.911	ng	98
81) Benzo(a)anthracene	13.904	228	289702	12.227	ng	98
83) Chrysene	13.939	228	296749	12.528	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	149550	11.393	ng	99
87) Indeno(1,2,3-cd)pyrene	16.733	276	135476	7.612	ng	93
88) Benzo(b)fluoranthene	14.939	252	331720m	16.665	ng	
89) Benzo(k)fluoranthene	14.962	252	120415m	6.103	ng	
90) Benzo(a)pyrene	15.286	252	212796	11.745	ng	# 88
91) Dibenzo(a,h)anthracene	16.751	278	37055	2.496	ng	# 56
92) Benzo(g,h,i)perylene	17.151	276	129255	8.820	ng	95

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

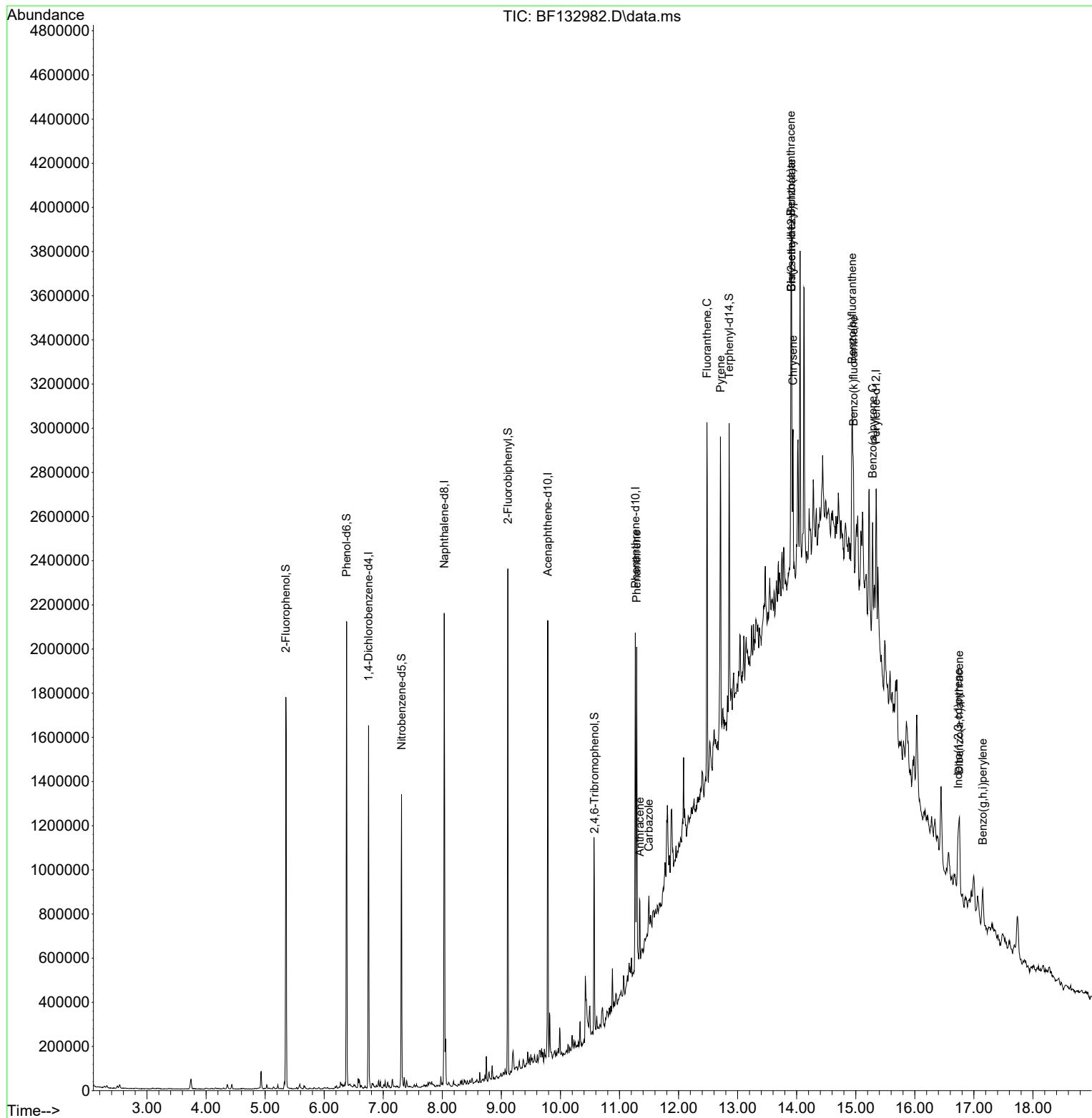
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
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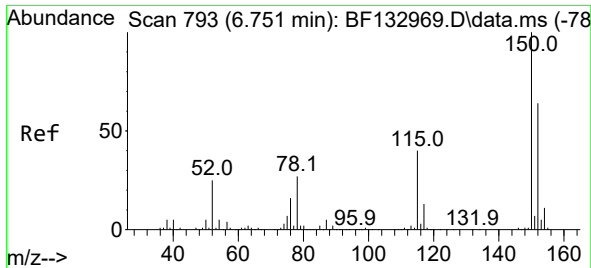
Instrument :
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Quant Time: Apr 22 04:31:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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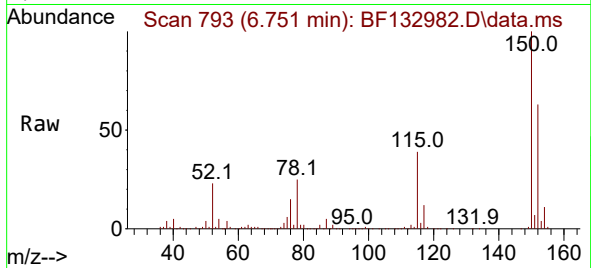
Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

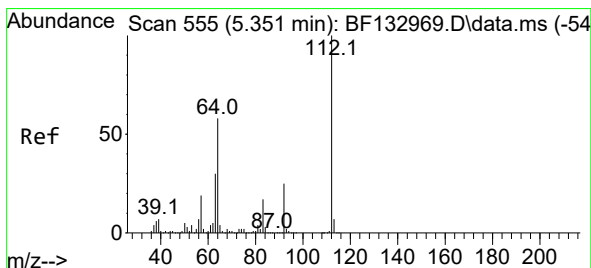
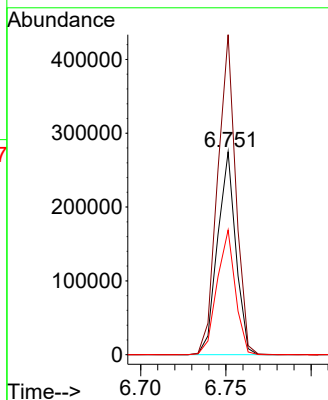
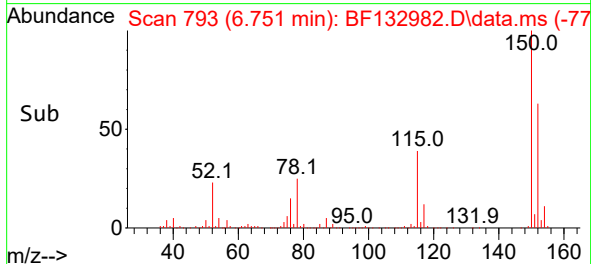
Instrument :
BNA_F
ClientSampleId :
SPB-7WC-23-04-17



Tgt Ion:152 Resp: 204778
Ion Ratio Lower Upper
152 100
150 157.7 124.8 187.2
115 61.5 49.9 74.9

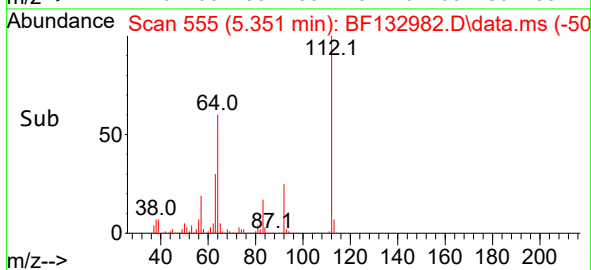
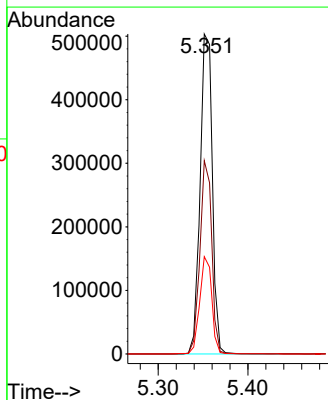
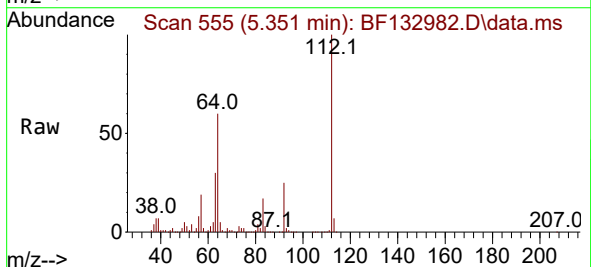
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Supervised By :Jagrut Upadhyay 04/24/2023



#5
2-Fluorophenol
Concen: 35.150 ng
RT: 5.351 min Scan# 555
Delta R.T. -0.000 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

Tgt Ion:112 Resp: 476495
Ion Ratio Lower Upper
112 100
64 60.4 46.8 70.2
63 30.4 23.8 35.8





#7

Phenol-d6

Concen: 33.996 ng

RT: 6.381 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF132982.D

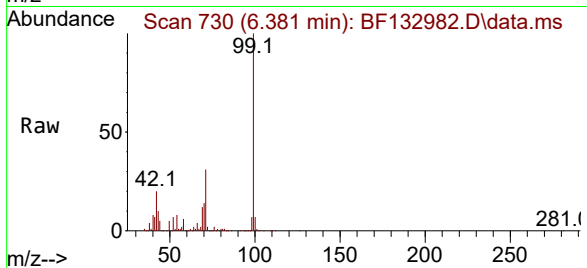
Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17



Tgt Ion: 99 Resp: 572004

Ion Ratio Lower Upper

99 100

42 19.7 16.3 24.5

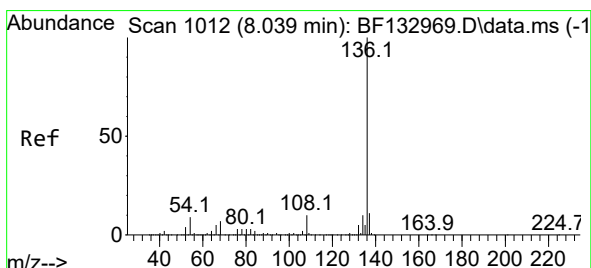
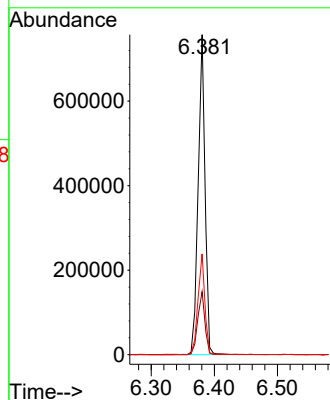
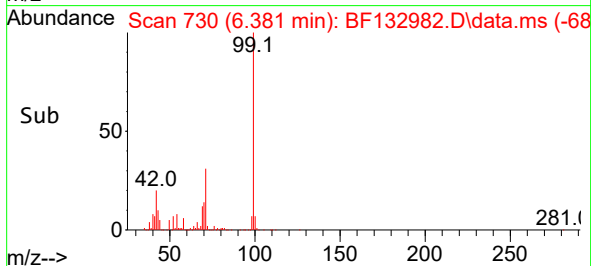
71 31.5 25.6 38.4

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Tgt Ion:136 Resp: 777969

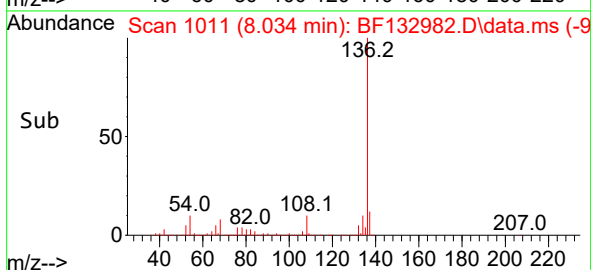
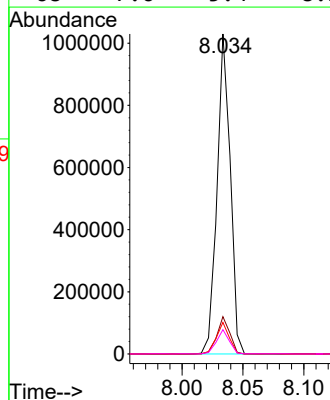
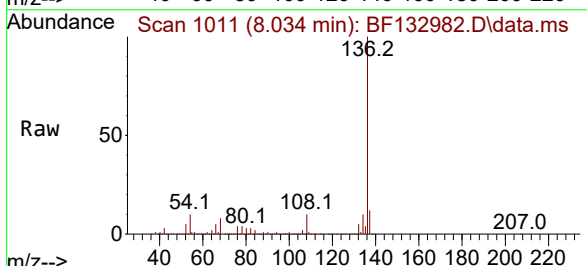
Ion Ratio Lower Upper

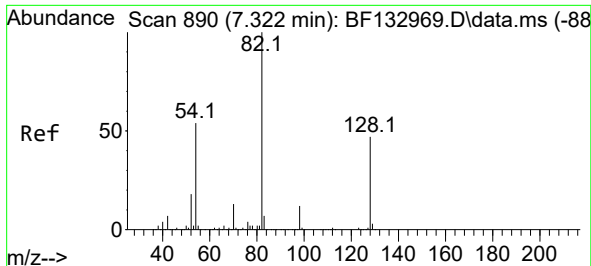
136 100

137 11.6 8.6 13.0

54 9.9 7.0 10.4

68 7.6 5.4 8.2





#23

Nitrobenzene-d5

Concen: 23.524 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

Tgt Ion: 82 Resp: 33904

Ion Ratio Lower Upper

82 100

128 45.8 37.7 56.5

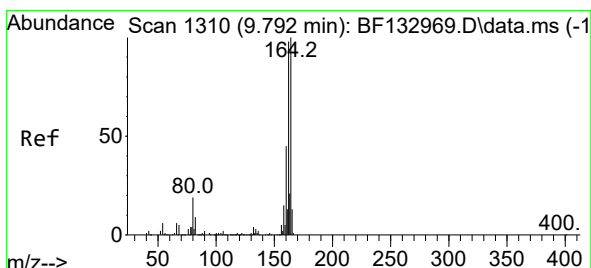
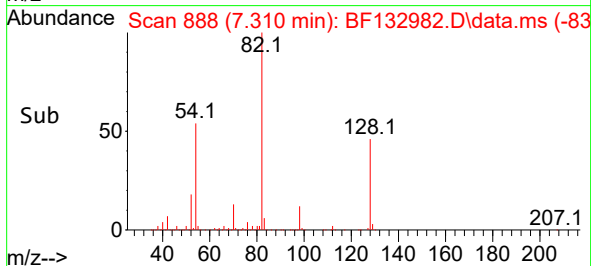
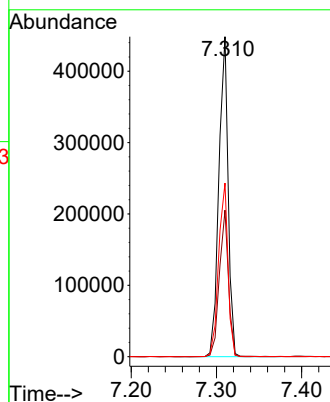
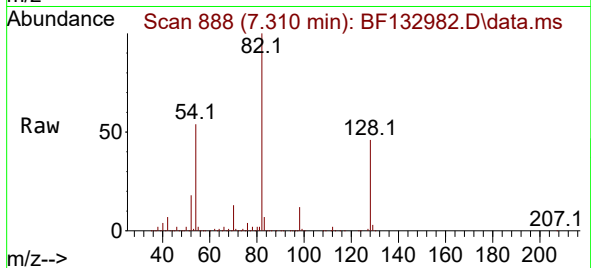
54 54.3 43.0 64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.786 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

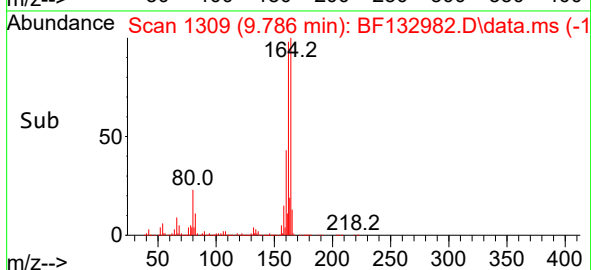
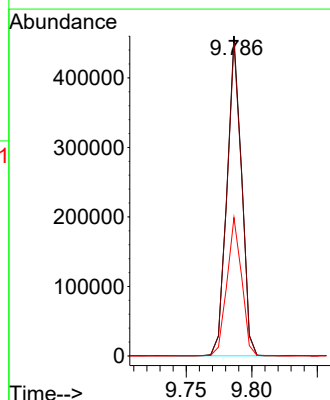
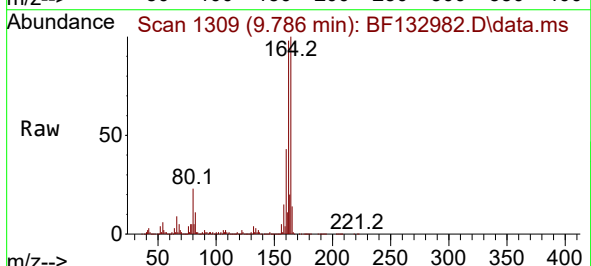
Tgt Ion:164 Resp: 352439

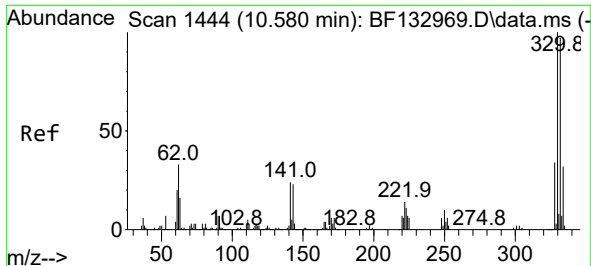
Ion Ratio Lower Upper

164 100

162 97.9 78.7 118.1

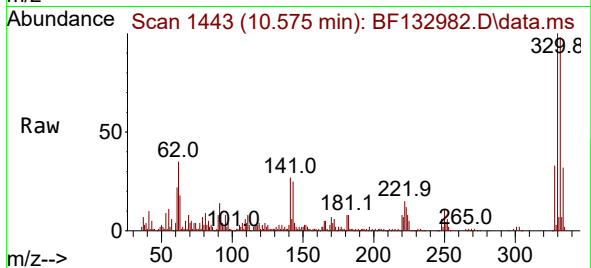
160 43.3 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 25.623 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

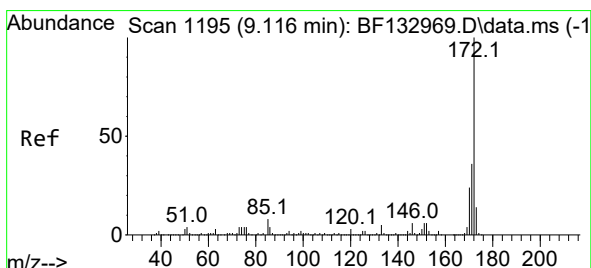
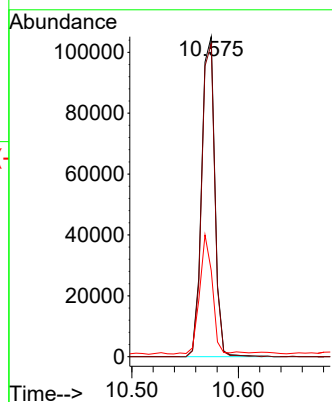
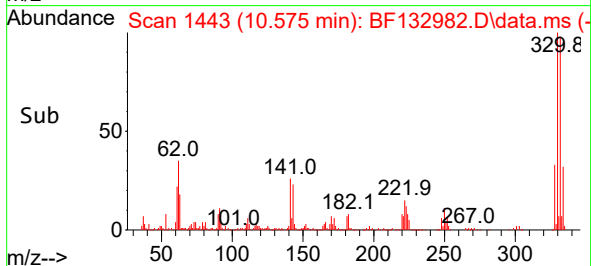
Instrument :
BNA_F
ClientSampleId :
SPB-7WC-23-04-17



Tgt Ion: 330 Resp: 90819
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 35.5 25.8 38.8

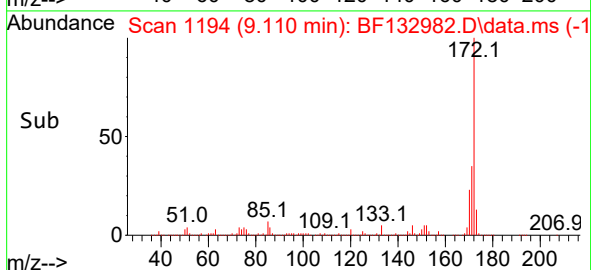
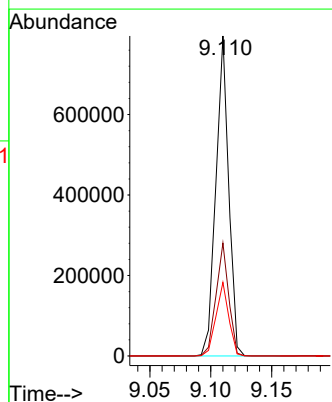
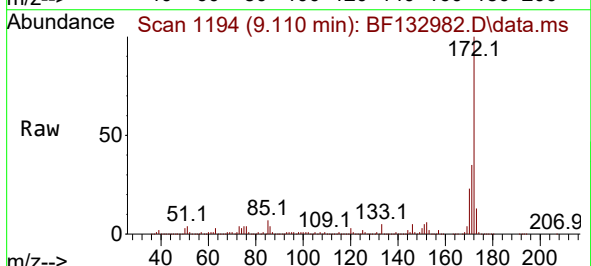
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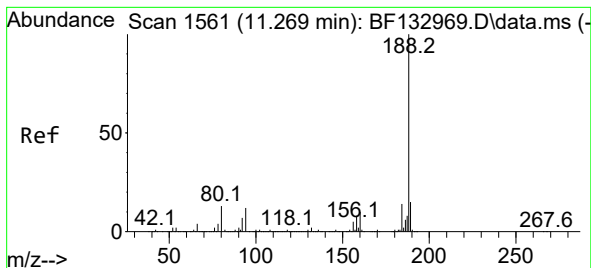
Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023



#45
2-Fluorobiphenyl
Concen: 27.696 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

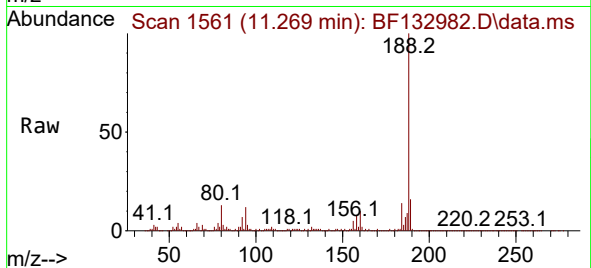
Tgt Ion: 172 Resp: 583447
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.0 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

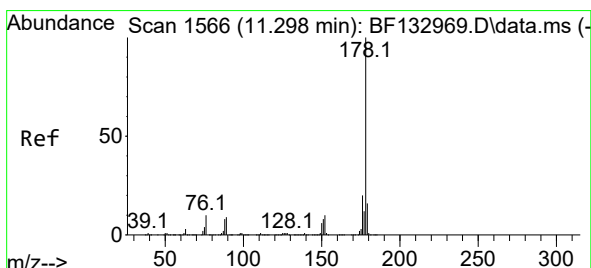
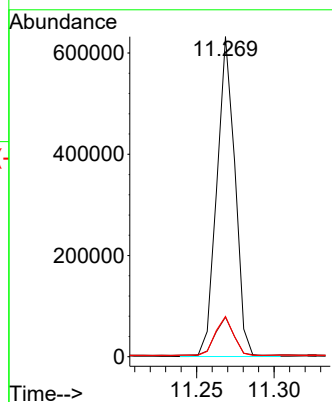
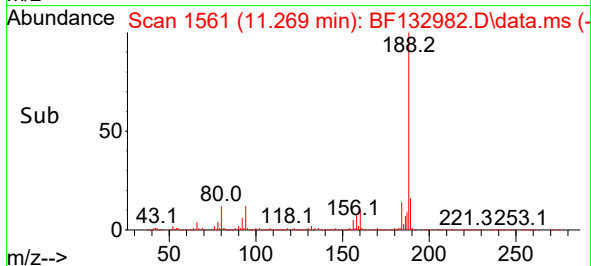
Instrument :
BNA_F
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SPB-7WC-23-04-17



Tgt Ion:188 Resp: 51284
Ion Ratio Lower Upper
188 100
94 12.3 9.7 14.5
80 12.6 10.4 15.6

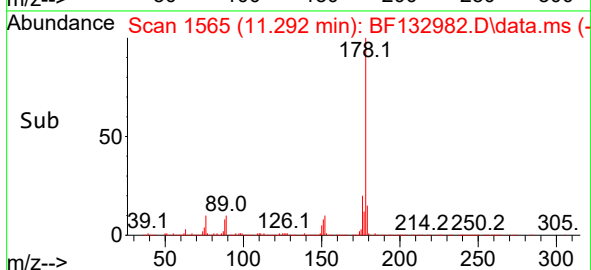
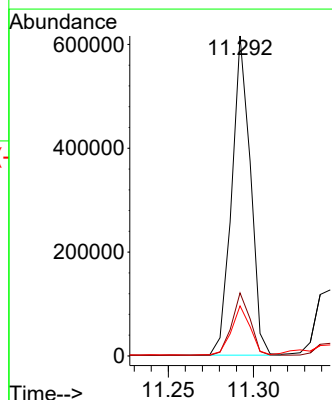
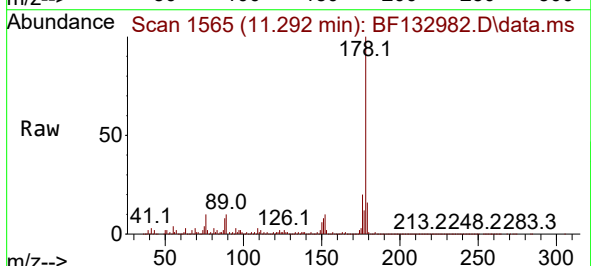
Manual Integrations
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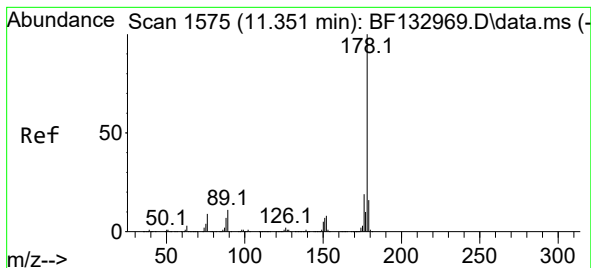
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#71
Phenanthrene
Concen: 16.975 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

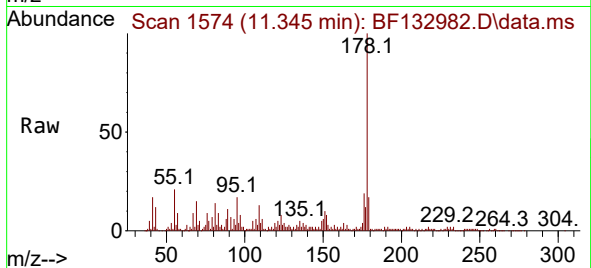
Tgt Ion:178 Resp: 467912
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.7 12.5 18.7





#72
 Anthracene
 Concen: 3.822 ng
 RT: 11.345 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132982.D
 Acq: 21 Apr 2023 22:05

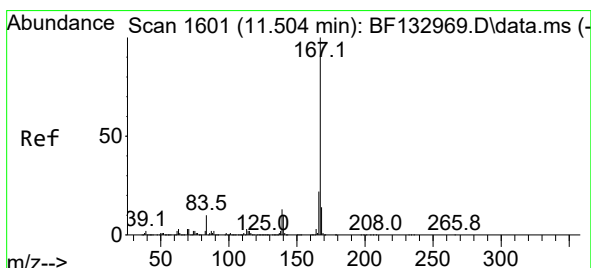
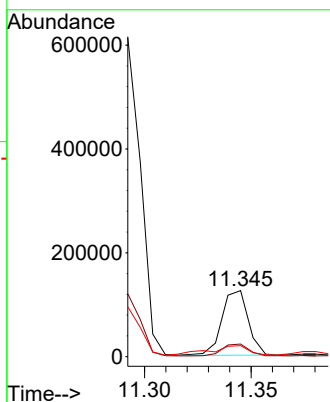
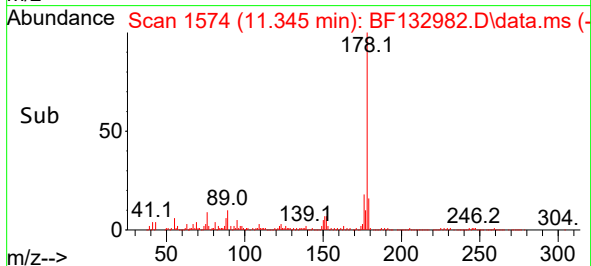
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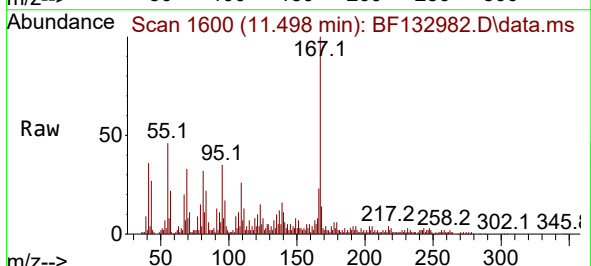
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 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.0
 179 16.6 12.4 18.6

Manual Integrations
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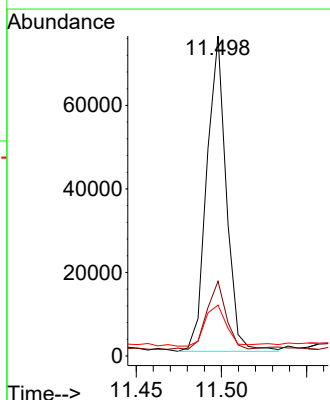
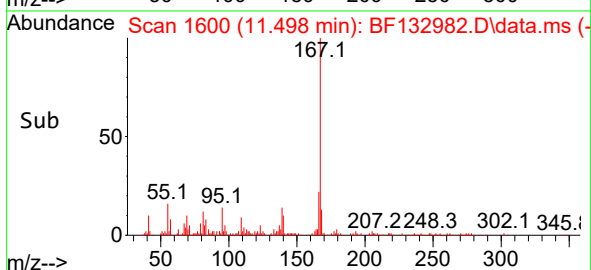
Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023

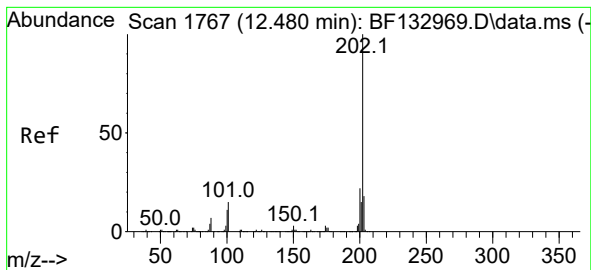


#73
 Carbazole
 Concen: 2.392 ng
 RT: 11.498 min Scan# 1600
 Delta R.T. -0.006 min
 Lab File: BF132982.D
 Acq: 21 Apr 2023 22:05



Tgt Ion:167 Resp: 60072
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.4 26.0
 139 15.9 10.6 16.0





#75

Fluoranthene

Concen: 23.849 ng

RT: 12.480 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

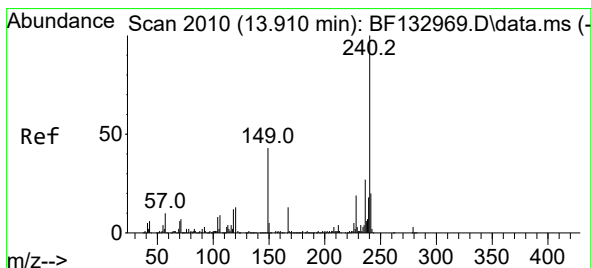
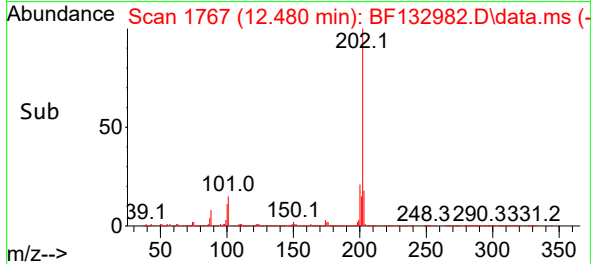
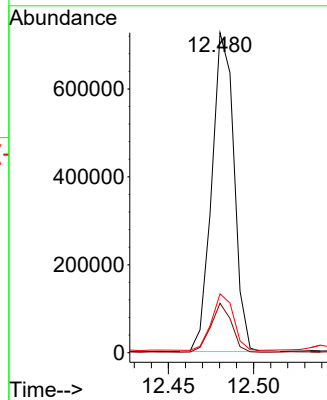
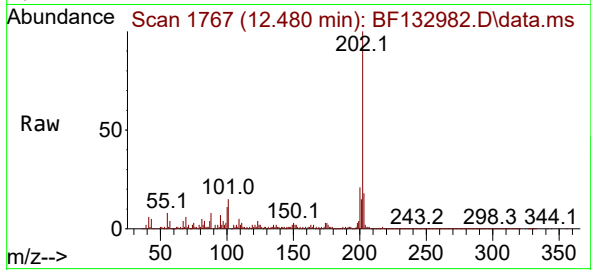
Tgt Ion:202 Resp: 659739

Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	35.3
203	18.4	0.0	38.1

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.910 min Scan# 2010

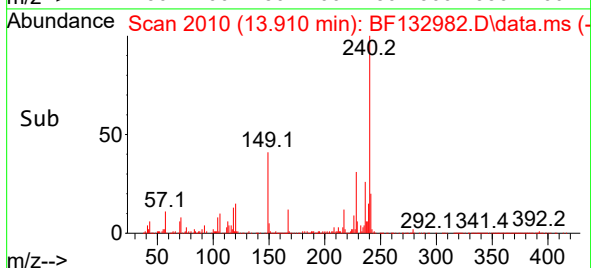
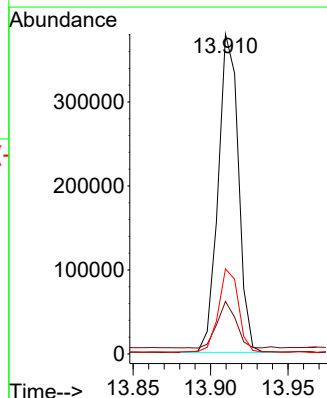
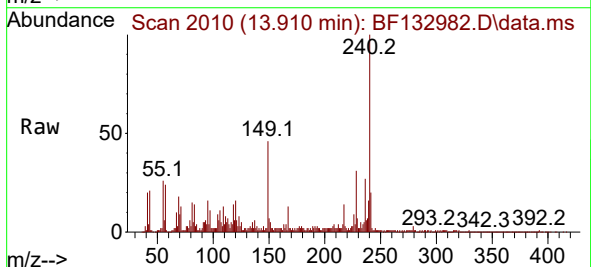
Delta R.T. -0.000 min

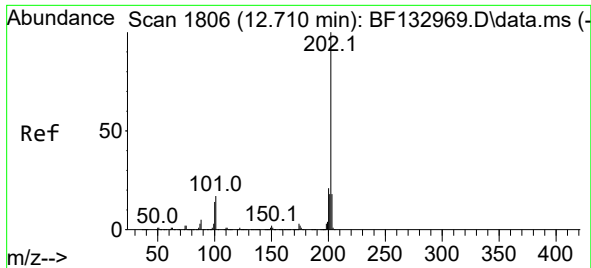
Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Tgt Ion:240 Resp: 344543

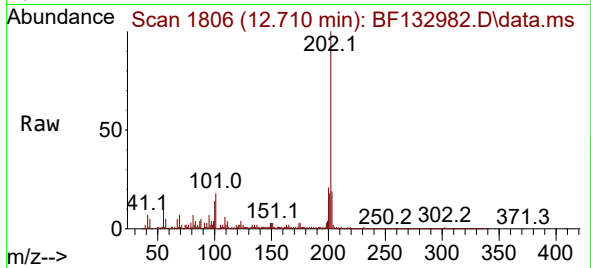
Ion	Ratio	Lower	Upper
240	100		
120	16.4	10.5	15.7#
236	26.6	21.5	32.3





#78
Pyrene
Concen: 19.911 ng
RT: 12.710 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

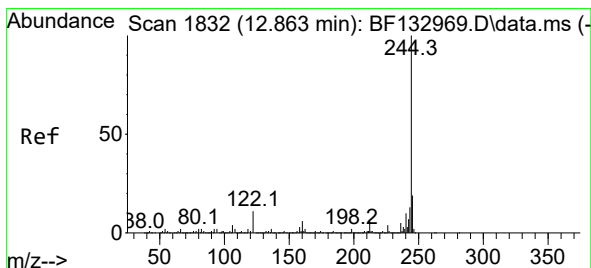
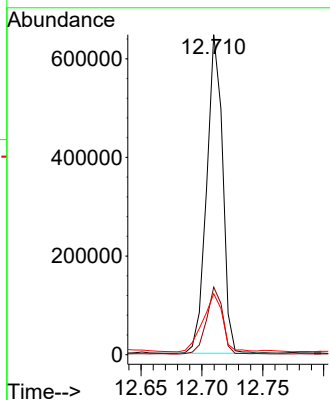
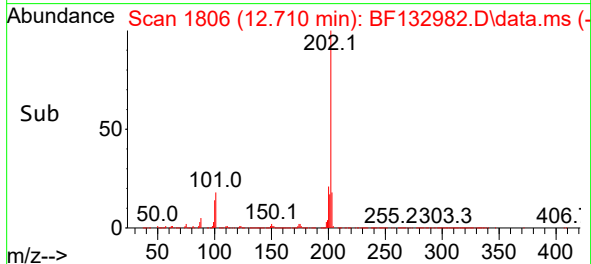
Instrument :
BNA_F
ClientSampleId :
SPB-7WC-23-04-17



Tgt Ion:202 Resp: 588079
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 19.1 14.1 21.1

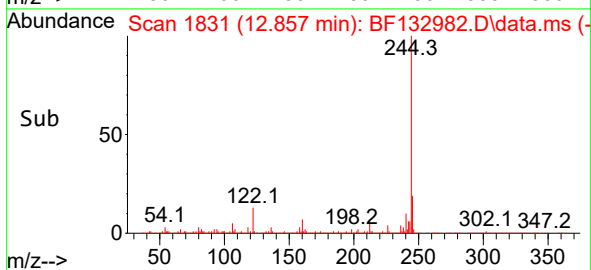
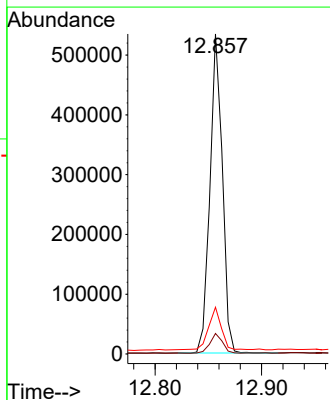
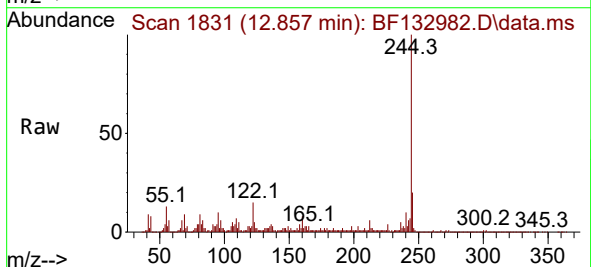
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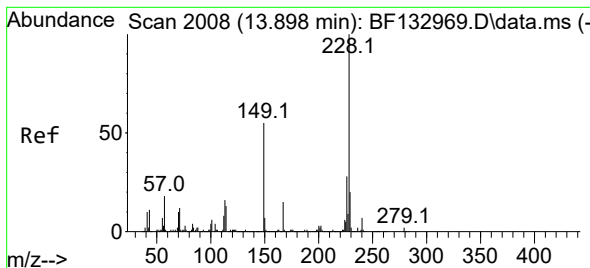
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#79
Terphenyl-d14
Concen: 21.560 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

Tgt Ion:244 Resp: 430704
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 14.6 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 12.227 ng

RT: 13.904 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNF

ClientSampleId :

SPB-7WC-23-04-17

Tgt Ion:228 Resp: 28970

Ion Ratio Lower Upper

228 100

226 28.9 22.2 33.4

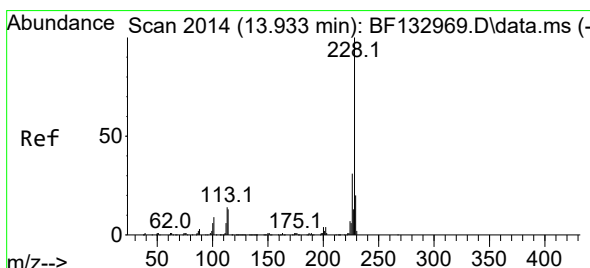
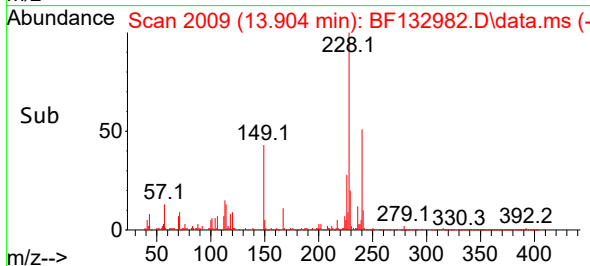
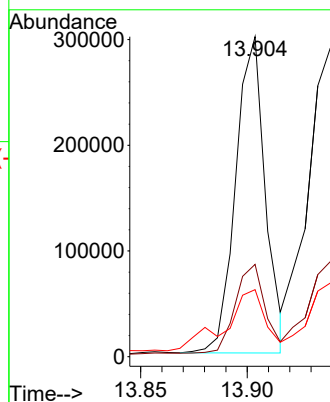
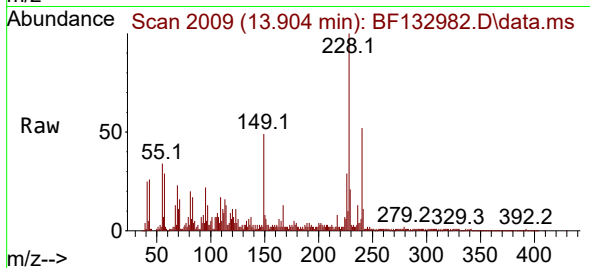
229 20.9 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#83

Chrysene

Concen: 12.528 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

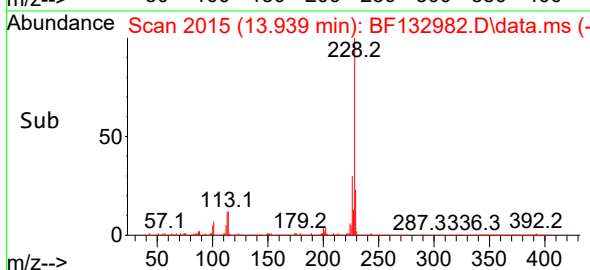
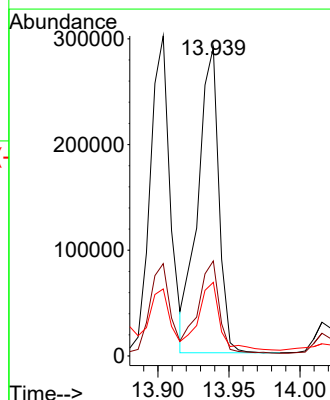
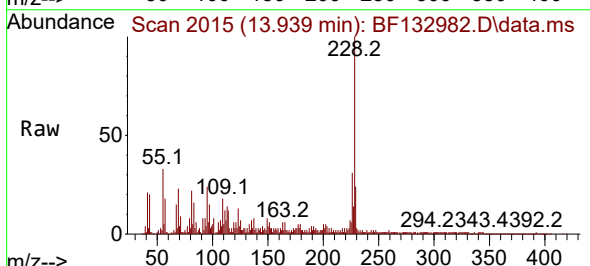
Tgt Ion:228 Resp: 296749

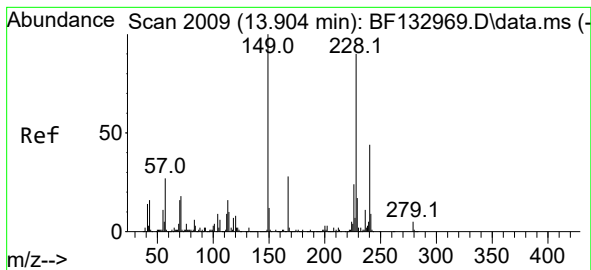
Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

229 23.9 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 11.393 ng

RT: 13.910 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

Tgt Ion:149 Resp: 149550

Ion Ratio Lower Upper

149 100

167 28.7 22.5 33.7

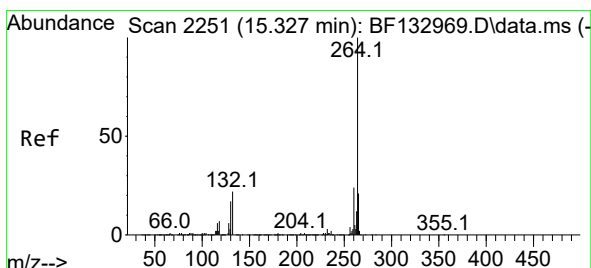
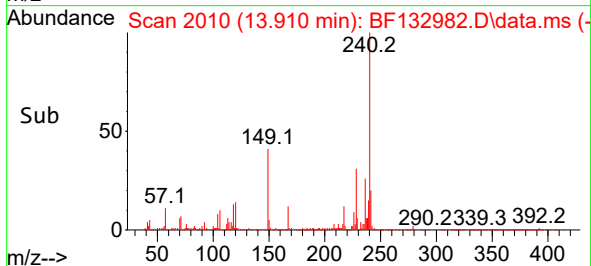
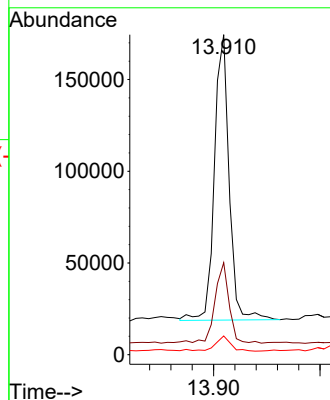
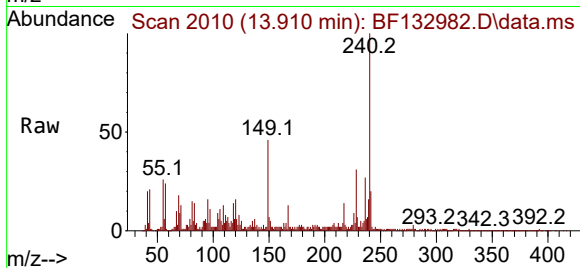
279 5.8 4.2 6.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.018 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

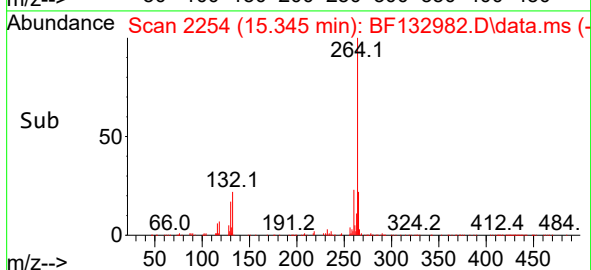
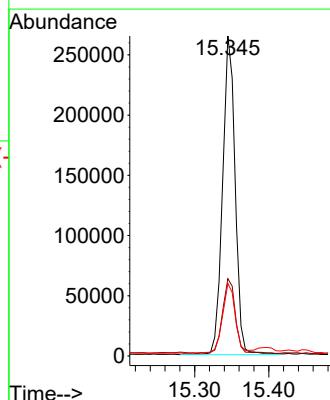
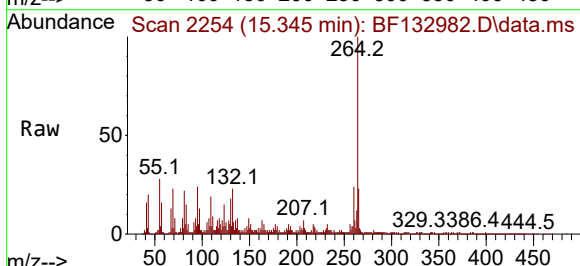
Tgt Ion:264 Resp: 312874

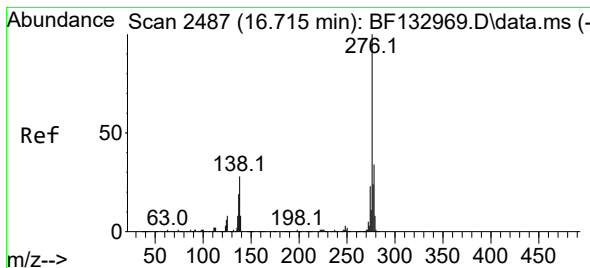
Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 22.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.612 ng

RT: 16.733 min Scan# 2487

Delta R.T. 0.018 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

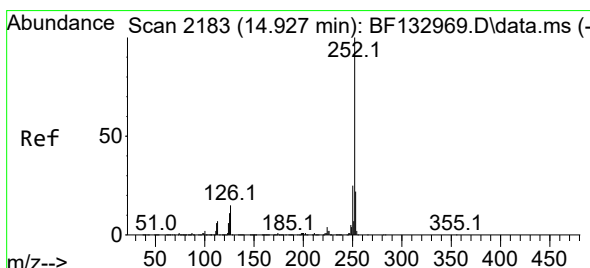
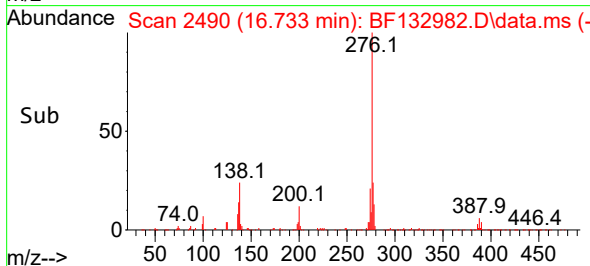
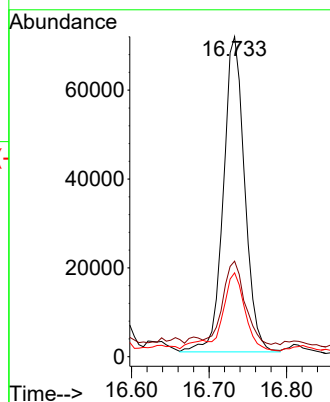
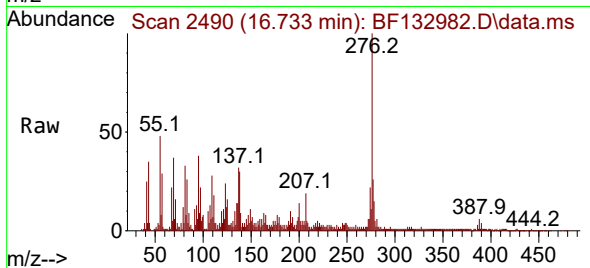
Tgt Ion:276 Resp: 135470
 Ion Ratio Lower Upper
 276 100
 138 27.3 25.5 38.3
 277 27.8 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#88

Benzo(b)fluoranthene

Concen: 16.665 ng m

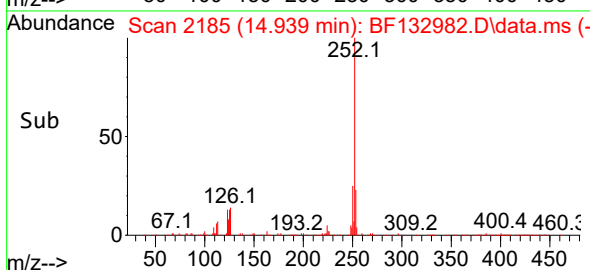
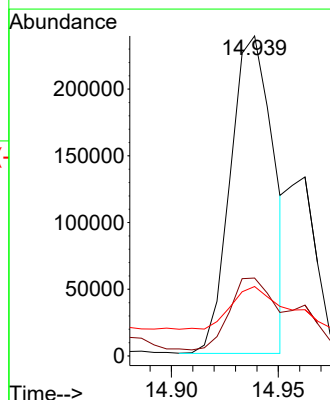
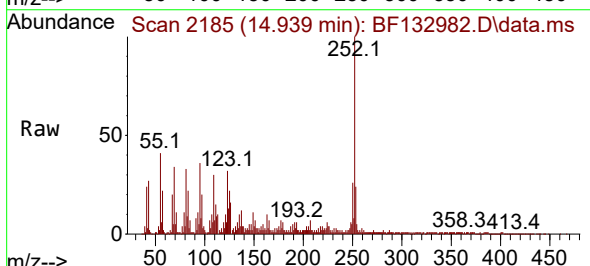
RT: 14.939 min Scan# 2185

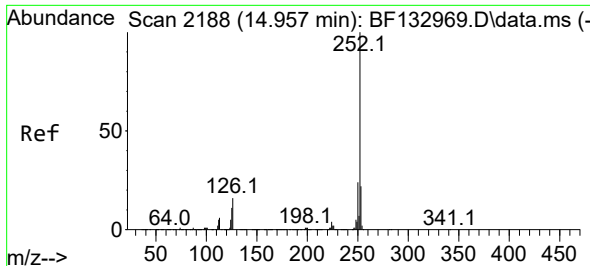
Delta R.T. 0.012 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

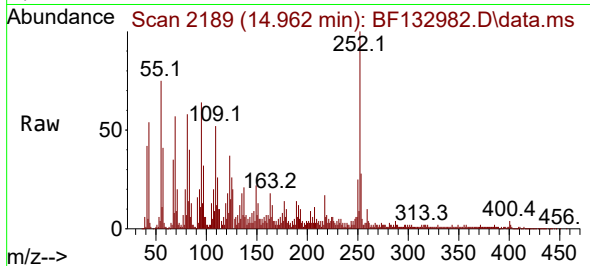
Tgt Ion:252 Resp: 331720
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.6 26.4
 125 21.7 8.9 13.3#





#89
Benzo(k)fluoranthene
Concen: 6.103 ng m
RT: 14.962 min Scan# 2188
Delta R.T. 0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

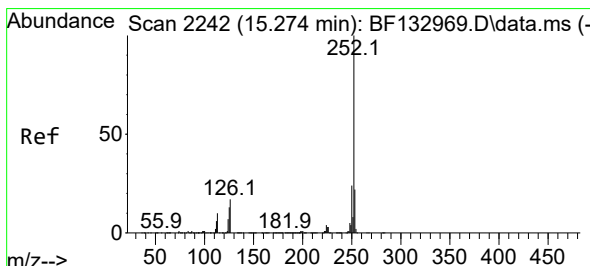
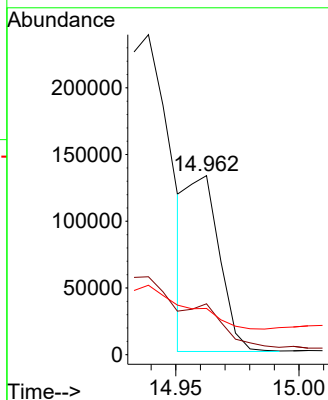
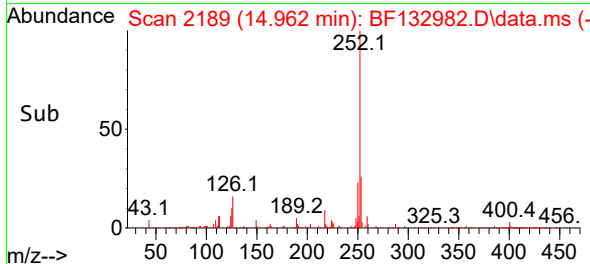
Instrument :
BNA_F
ClientSampleId :
SPB-7WC-23-04-17



Tgt Ion:252 Resp: 120415
Ion Ratio Lower Upper
252 100
253 28.4 17.7 26.5
125 25.8 9.0 13.4

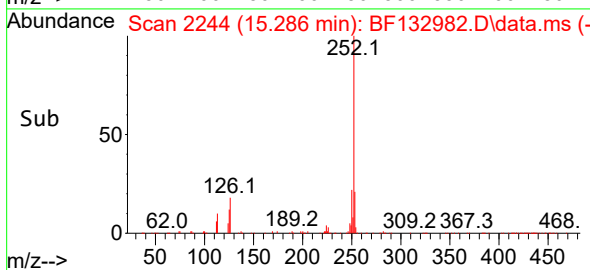
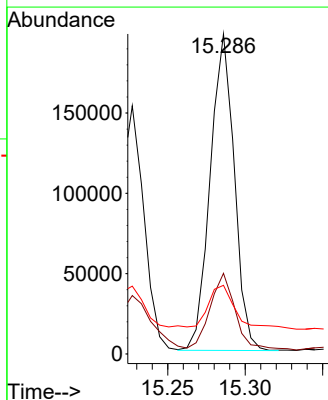
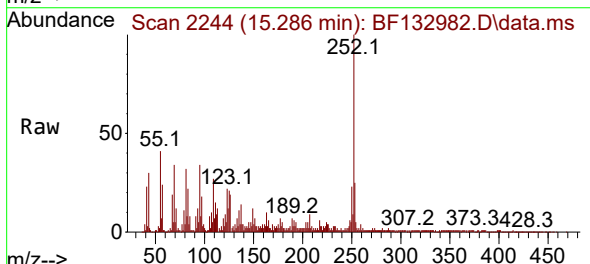
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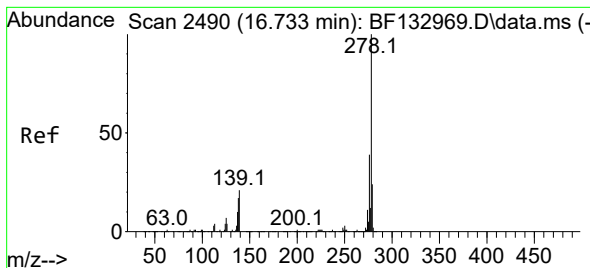
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#90
Benzo(a)pyrene
Concen: 11.745 ng
RT: 15.286 min Scan# 2244
Delta R.T. 0.012 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

Tgt Ion:252 Resp: 212796
Ion Ratio Lower Upper
252 100
253 25.2 17.7 26.5
125 21.5 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 2.496 ng

RT: 16.751 min Scan# 2493

Delta R.T. 0.018 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

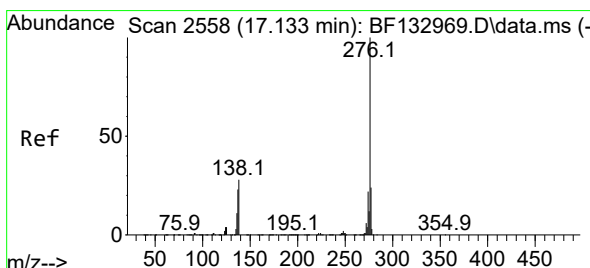
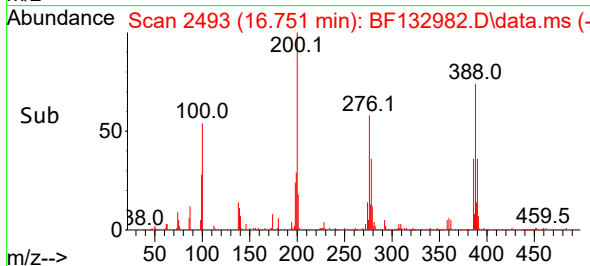
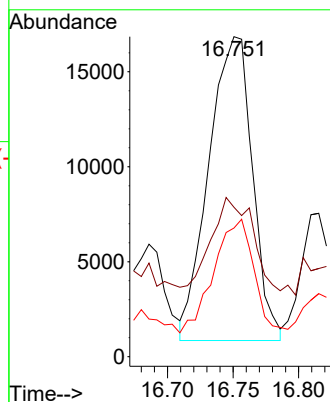
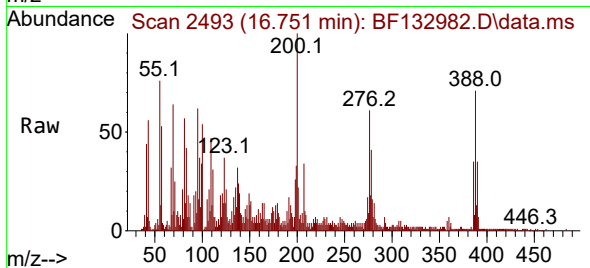
Tgt Ion:	278	Resp:	3705
Ion Ratio	Lower	Upper	
278	100		
139	46.7	16.6	24.8
279	40.2	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#92

Benzo(g,h,i)perylene

Concen: 8.820 ng

RT: 17.151 min Scan# 2561

Delta R.T. 0.018 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Tgt Ion:	276	Resp:	129255
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.4	29.0
138	32.0	22.7	34.1

