

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050823\
 Data File : BF133307.D
 Acq On : 08 May 2023 21:49
 Operator : CG\JU
 Sample : 02655-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1

Quant Time: May 09 05:09:01 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/09/2023
 Supervised By : Jagrut Upadhyay 05/09/2023

05/09/2023
 Supervised By : Jagrut
 Upadhyay

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	188245	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	729865	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	347457	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	507337	20.000	ng	0.00
76) Chrysene-d12	13.875	240	335660	20.000	ng	0.00
86) Perylene-d12	15.292	264	402528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1081371	86.777	ng	0.00
7) Phenol-d6	6.363	99	1251342	80.902	ng	0.00
23) Nitrobenzene-d5	7.287	82	753248	55.706	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	222979	63.811	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1299785	62.584	ng	0.00
79) Terphenyl-d14	12.822	244	1015125	52.159	ng	-0.01
Target Compounds						
						Qvalue
52) Acenaphthene	9.787	154	264899	12.275	ng	99
55) Dibenzofuran	9.957	168	232287	7.891	ng	99
58) Fluorene	10.304	166	393617	18.250	ng	98
71) Phenanthrene	11.269	178	2151182	78.891	ng	99
72) Anthracene	11.316	178	919226	32.941	ng	100
73) Carbazole	11.469	167	252681	10.169	ng	99
75) Fluoranthene	12.457	202	2137842	78.119	ng	97
78) Pyrene	12.681	202	1713639	59.556	ng	99
81) Benzo(a)anthracene	13.869	228	1011029	43.801	ng	99
83) Chrysene	13.904	228	809577	35.082	ng	97
87) Indeno(1,2,3-cd)pyrene	16.669	276	441258m	19.272	ng	
88) Benzo(b)fluoranthene	14.892	252	1173359m	45.819	ng	
89) Benzo(k)fluoranthene	14.916	252	344876m	13.586	ng	
90) Benzo(a)pyrene	15.239	252	852699	36.583	ng	98
91) Dibenzo(a,h)anthracene	16.674	278	120065m	6.287	ng	
92) Benzo(g,h,i)perylene	17.080	276	380869	20.201	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050823\
Data File : BF133307.D
Acq On : 08 May 2023 21:49
Operator : CG\JU
Sample : 02655-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-1

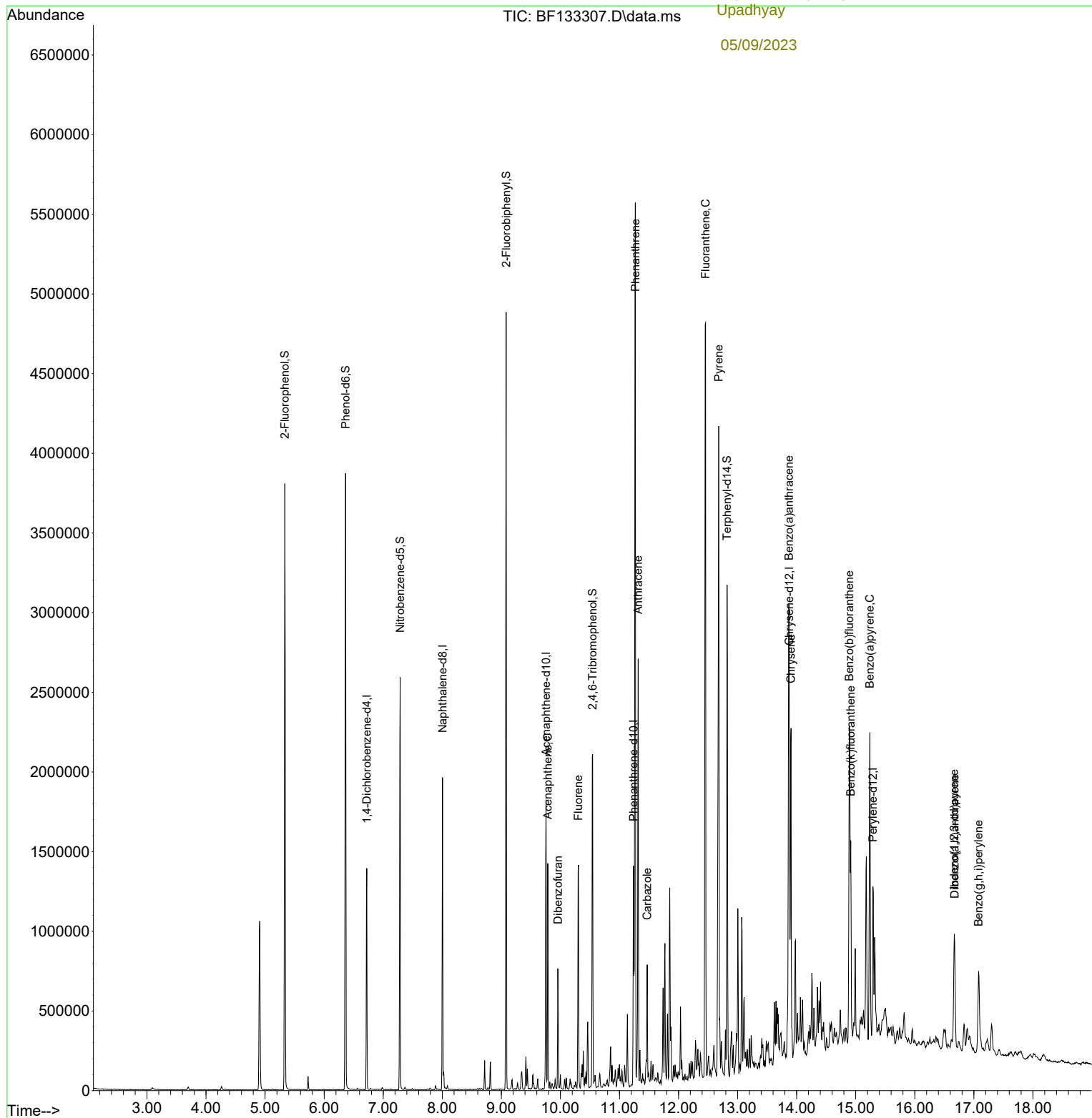
Quant Time: May 09 05:09:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 04:59:36 2023
Response via : Initial Calibration

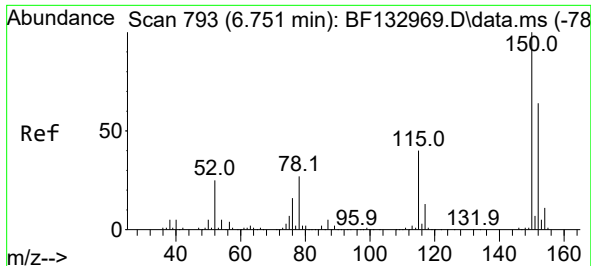
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

05/09/2023
Supervised By :Jagrut
Upadhyay

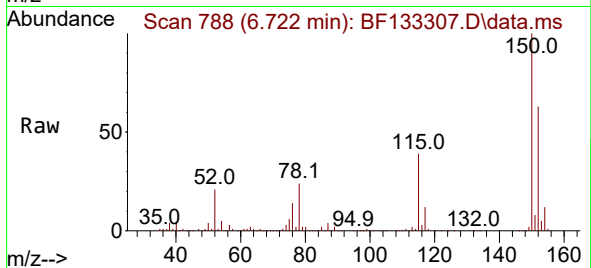
05/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Instrument :
BNA_F
ClientSampleId :
SS-1



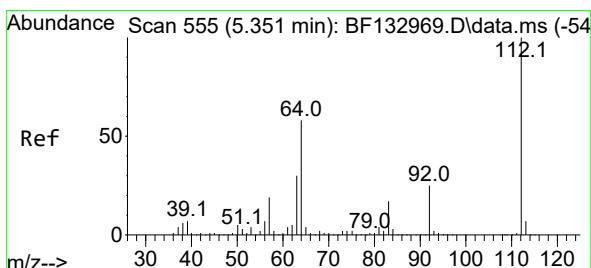
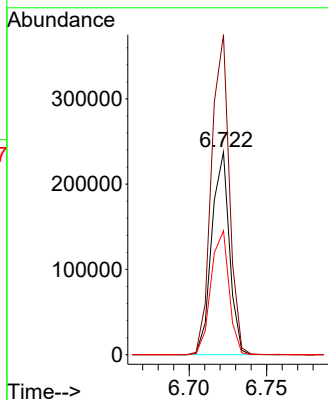
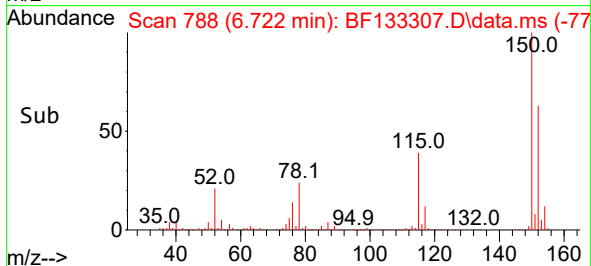
Tgt Ion:152 Resp: 188249
Ion Ratio Lower Upper
152 100
150 158.0 124.8 187.2
115 61.2 49.9 74.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

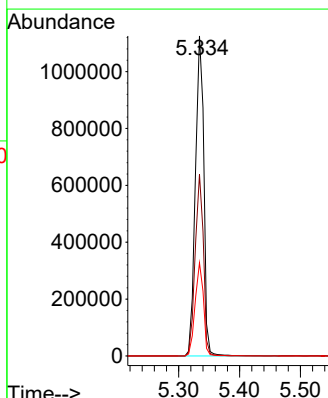
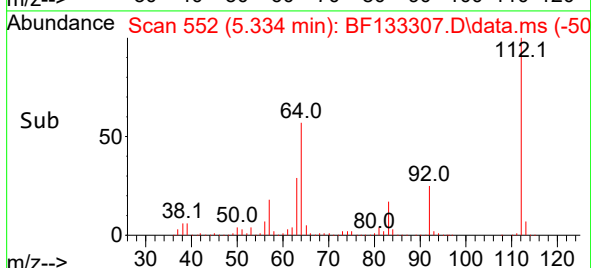
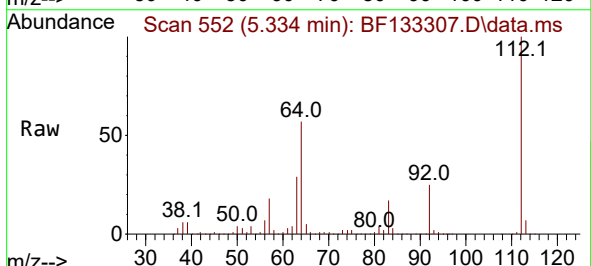
05/09/2023
Supervised By :Jagrut
Upadhyay

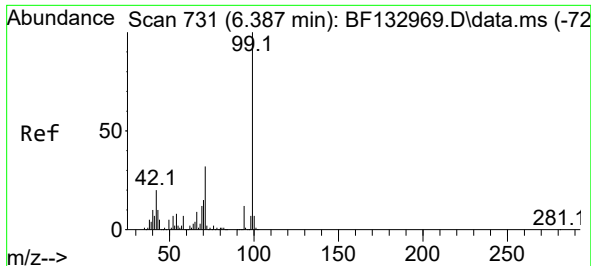
05/09/2023



#5
2-Fluorophenol
Concen: 86.777 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

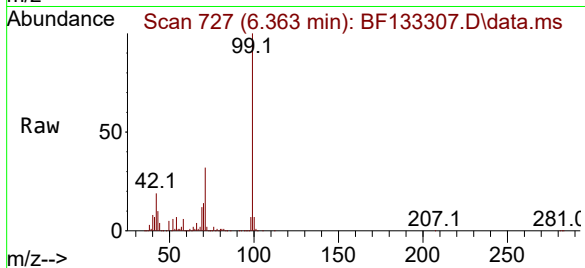
Tgt Ion:112 Resp: 1081371
Ion Ratio Lower Upper
112 100
64 56.8 46.8 70.2
63 29.1 23.8 35.8





#7
Phenol-d6
Concen: 80.902 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Instrument :
BNA_F
ClientSampleId :
SS-1



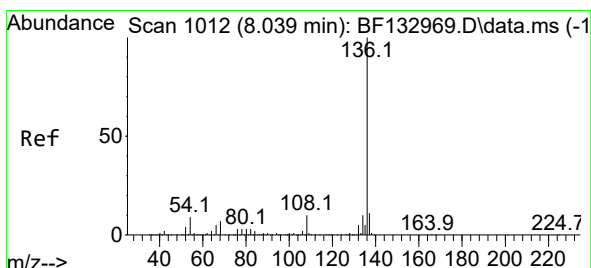
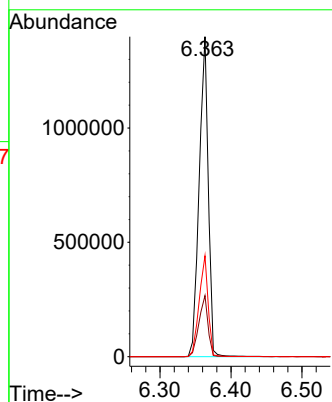
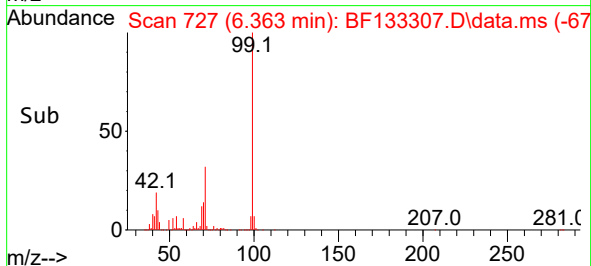
Tgt Ion: 99 Resp: 125134
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 31.6 25.6 38.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

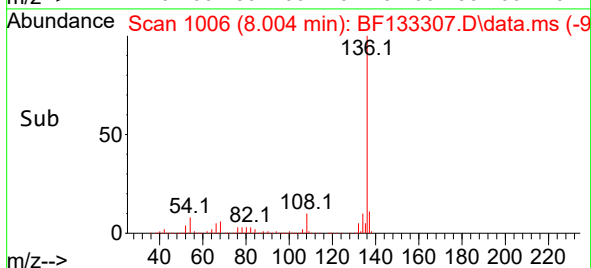
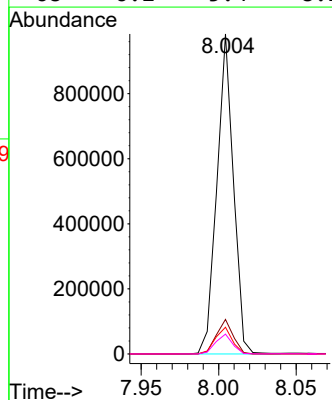
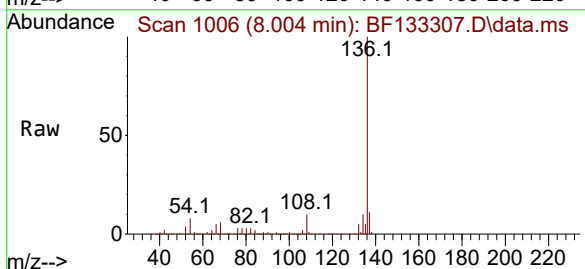
05/09/2023
Supervised By :Jagrut
Upadhyay

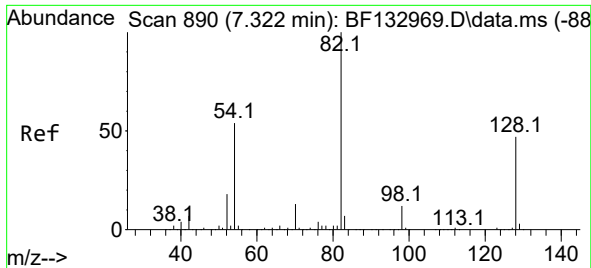
05/09/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

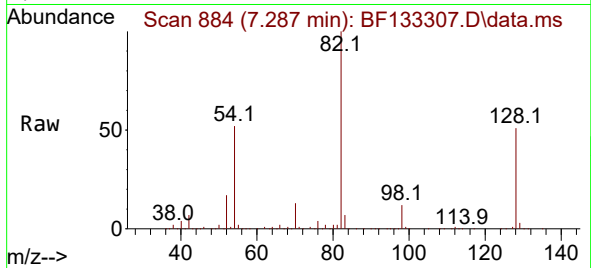
Tgt Ion:136 Resp: 729865
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 7.0 10.4
68 6.2 5.4 8.2





#23
Nitrobenzene-d5
Concen: 55.706 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Instrument :
BNA_F
ClientSampleId :
SS-1



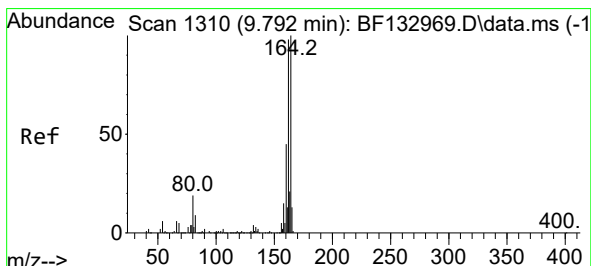
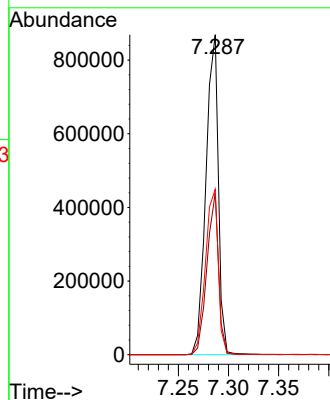
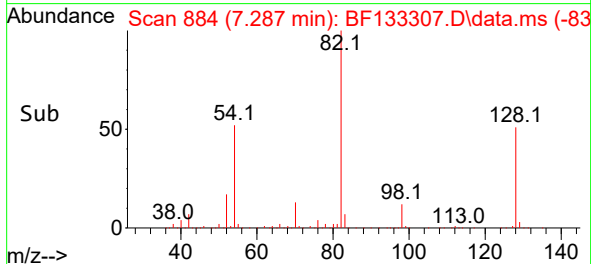
Tgt Ion: 82 Resp: 753248
Ion Ratio Lower Upper
82 100
128 50.6 37.7 56.5
54 51.7 43.0 64.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

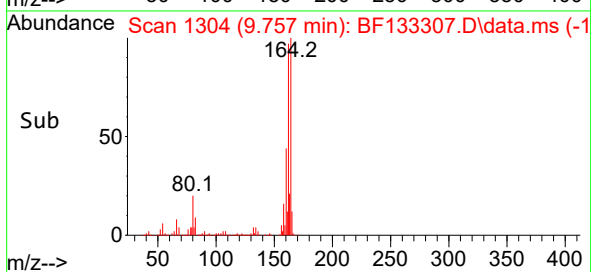
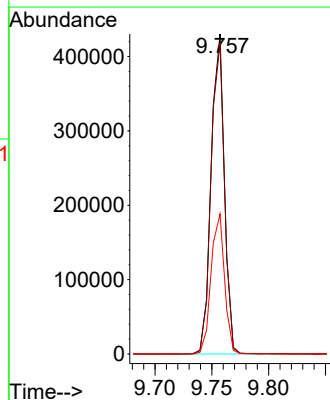
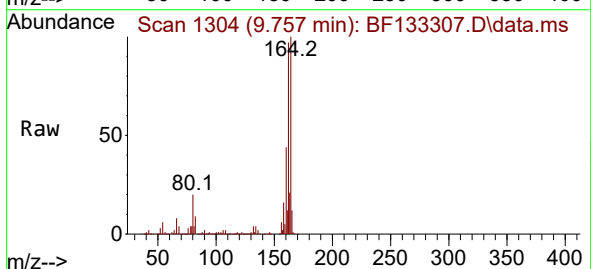
05/09/2023
Supervised By :Jagrut
Upadhyay

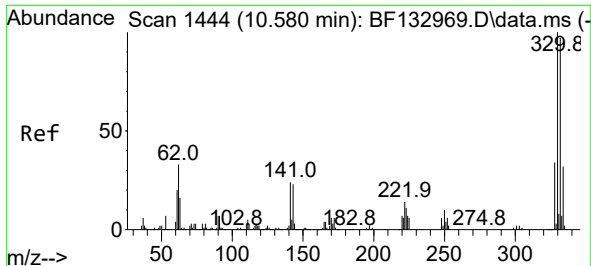
05/09/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

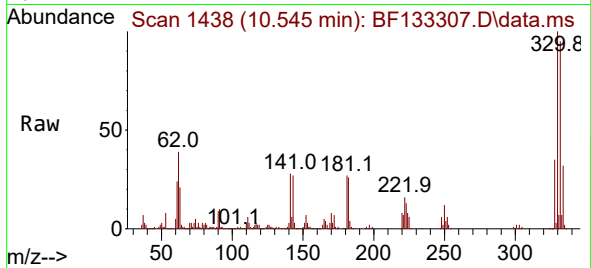
Tgt Ion:164 Resp: 347457
Ion Ratio Lower Upper
164 100
162 97.2 78.7 118.1
160 43.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 63.811 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Instrument :
BNA_F
ClientSampleId :
SS-1



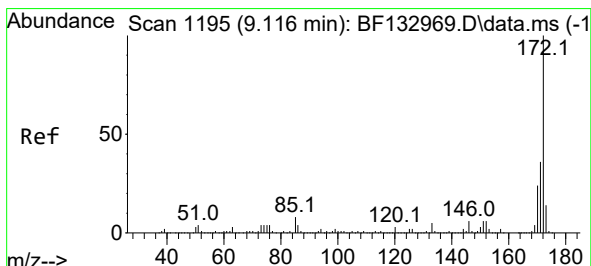
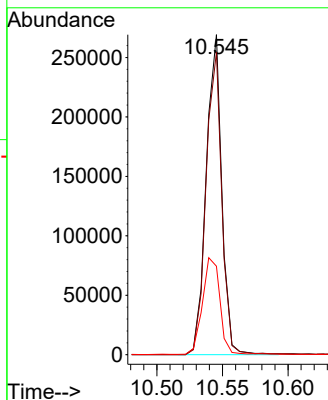
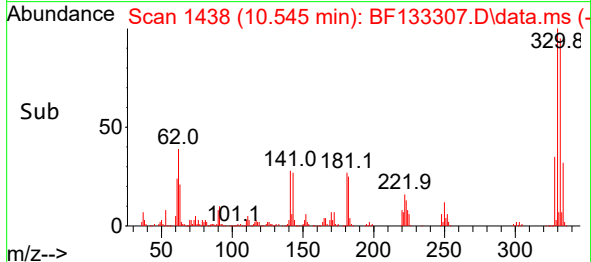
Tgt Ion: 330 Resp: 222979
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 34.1 25.8 38.8

Manual Integrations
APPROVED

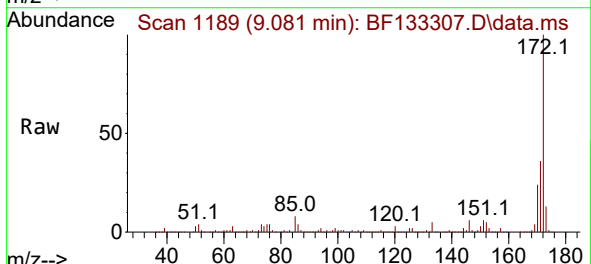
Reviewed By : Christian Giraldo 05/09/2023
Supervised By : Jagrut Upadhyay 05/09/2023

05/09/2023
Supervised By : Jagrut
Upadhyay

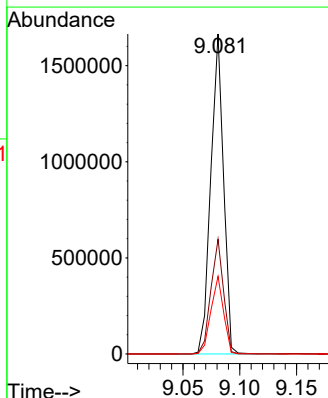
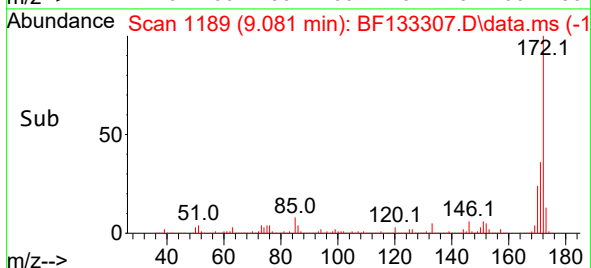
05/09/2023

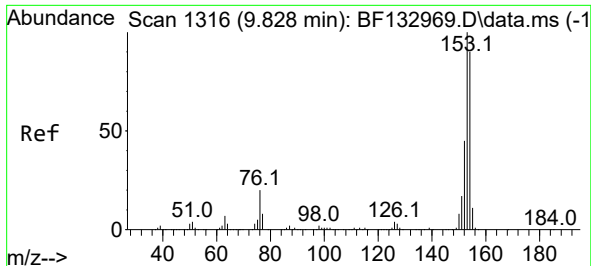


#45
2-Fluorobiphenyl
Concen: 62.584 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49



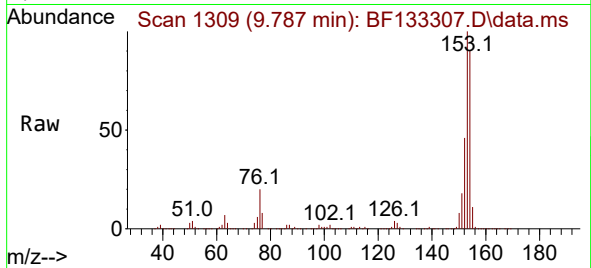
Tgt Ion: 172 Resp: 1299785
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.2 19.4 29.2





#52
Acenaphthene
Concen: 12.275 ng
RT: 9.787 min Scan# 1309
Delta R.T. -0.011 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Instrument :
BNA_F
ClientSampleId :
SS-1



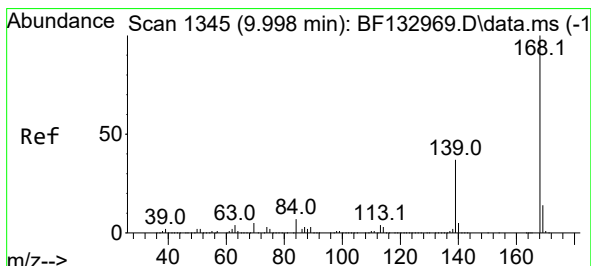
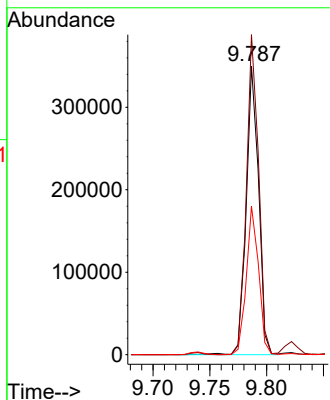
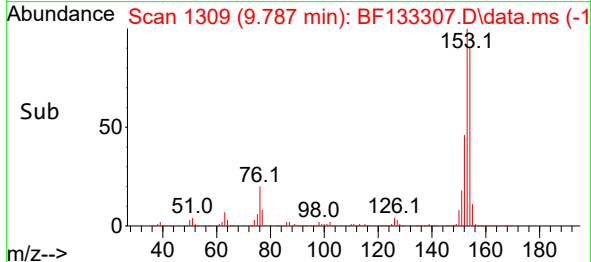
Tgt Ion:154 Resp: 264899
Ion Ratio Lower Upper
154 100
153 110.9 89.0 133.6
152 51.5 40.4 60.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

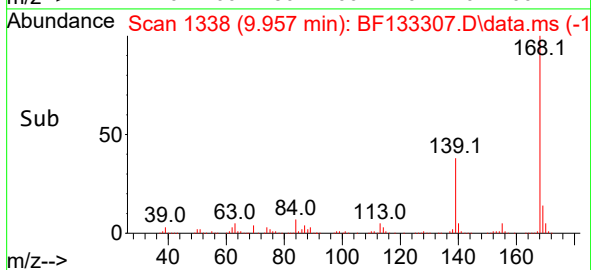
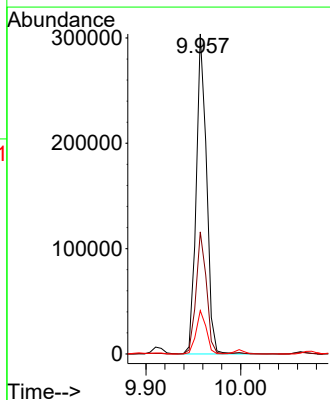
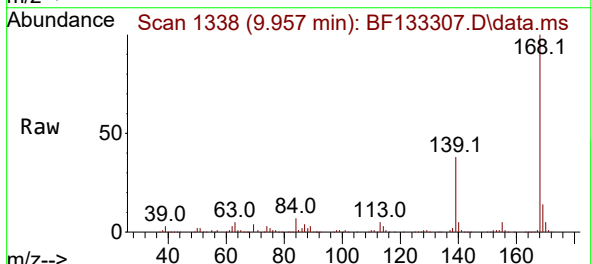
05/09/2023
Supervised By :Jagrut
Upadhyay

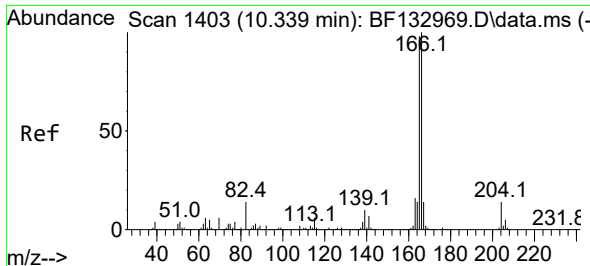
05/09/2023



#55
Dibenzofuran
Concen: 7.891 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.011 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

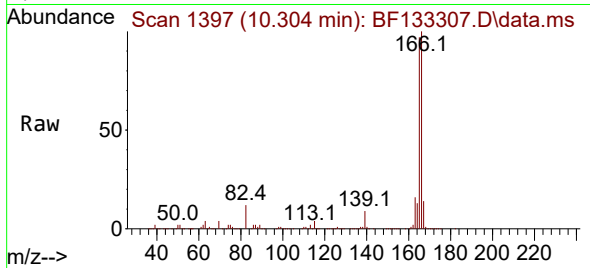
Tgt Ion:168 Resp: 232287
Ion Ratio Lower Upper
168 100
139 38.1 29.8 44.8
169 13.5 10.8 16.2





#58
Fluorene
Concen: 18.250 ng
RT: 10.304 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Instrument :
BNA_F
ClientSampleId :
SS-1



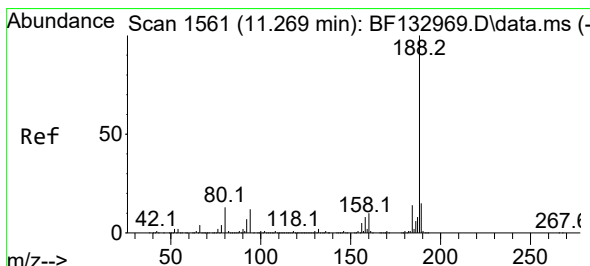
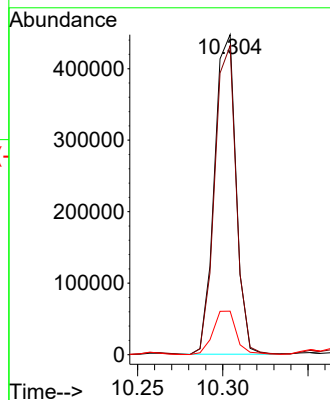
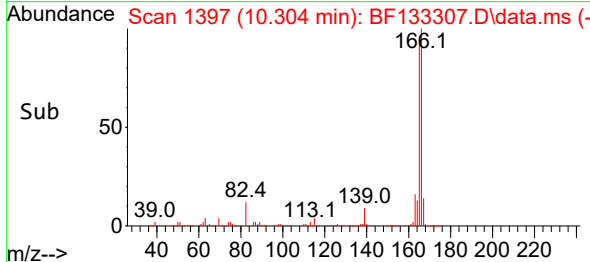
Tgt Ion:166 Resp: 39361
Ion Ratio Lower Upper
166 100
165 96.5 78.6 117.8
167 13.6 11.0 16.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

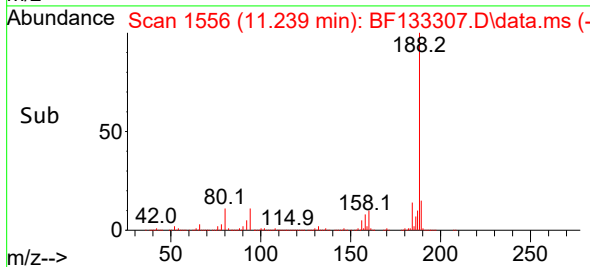
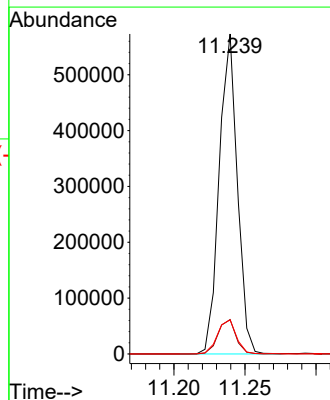
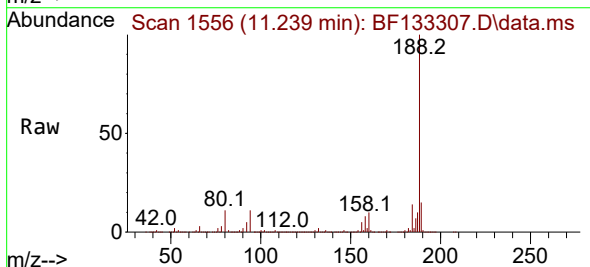
05/09/2023
Supervised By :Jagrut
Upadhyay

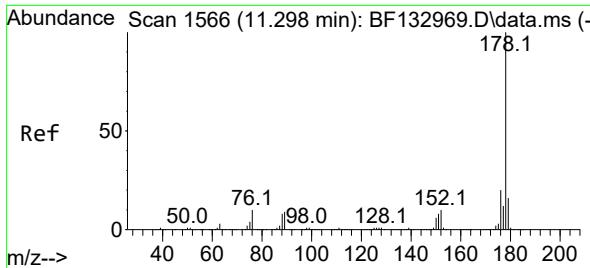
05/09/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

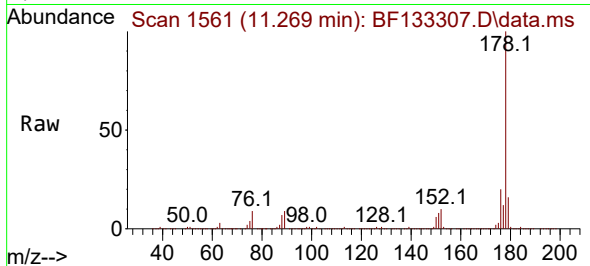
Tgt Ion:188 Resp: 507337
Ion Ratio Lower Upper
188 100
94 10.7 9.7 14.5
80 10.7 10.4 15.6





#71
Phenanthrene
Concen: 78.891 ng
RT: 11.269 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Instrument :
BNA_F
ClientSampleId :
SS-1



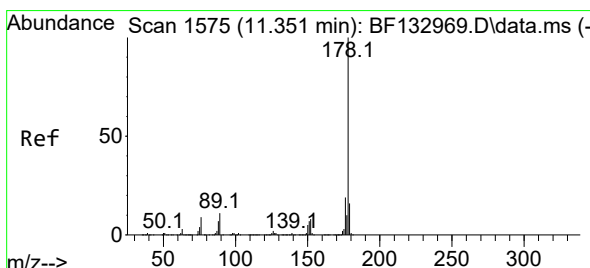
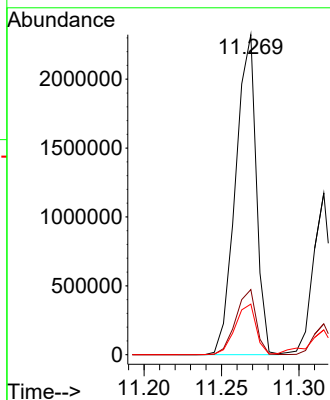
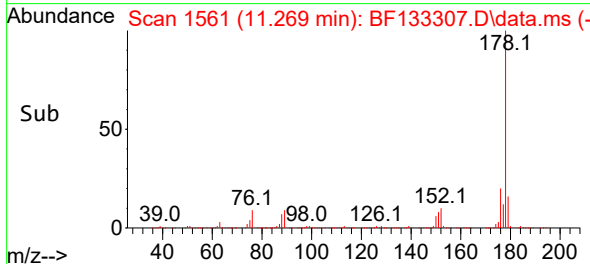
Tgt Ion:178 Resp: 215118
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 15.8 12.5 18.7

Manual Integrations
APPROVED

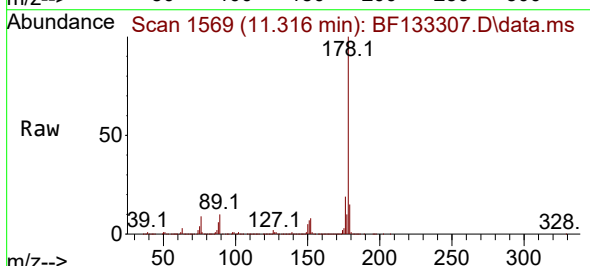
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

05/09/2023
Supervised By :Jagrut
Upadhyay

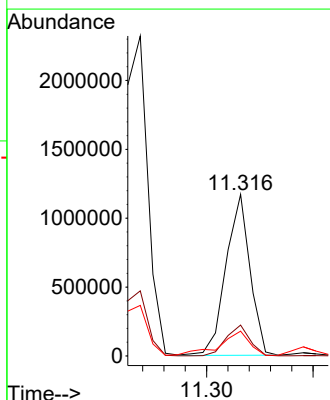
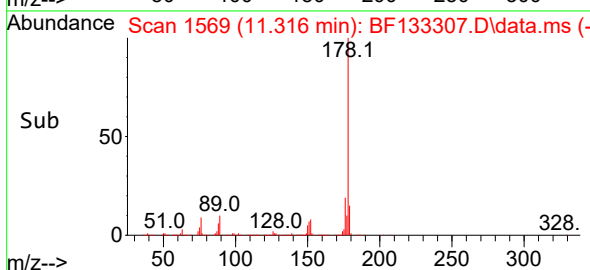
05/09/2023

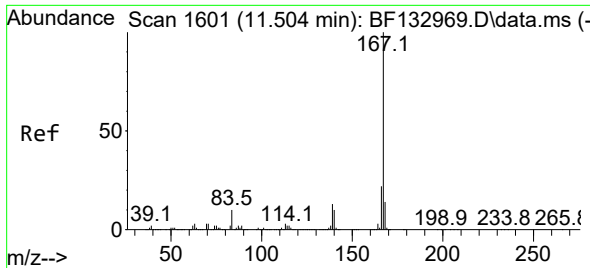


#72
Anthracene
Concen: 32.941 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49



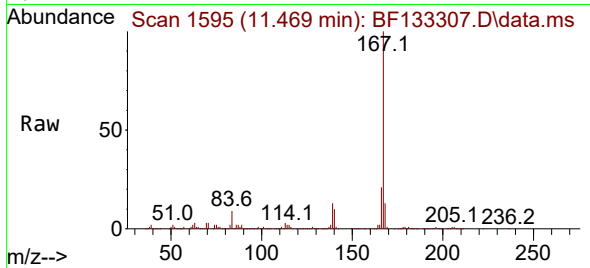
Tgt Ion:178 Resp: 919226
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.3 12.4 18.6





#73
 Carbazole
 Concen: 10.169 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BF133307.D
 Acq: 08 May 2023 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SS-1



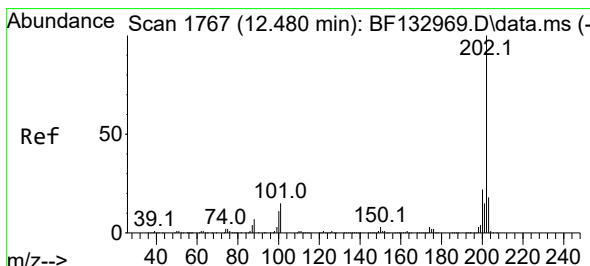
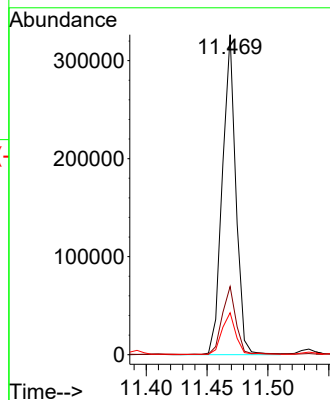
Tgt Ion:167 Resp: 25268
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 13.1 10.6 16.0

Manual Integrations
 APPROVED

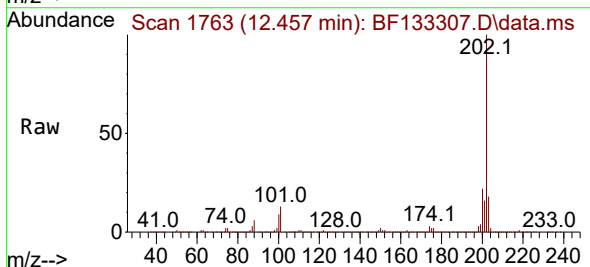
Reviewed By :Christian Giraldo 05/09/2023
 Supervised By :Jagrut Upadhyay 05/09/2023

05/09/2023
 Supervised By :Jagrut
 Upadhyay

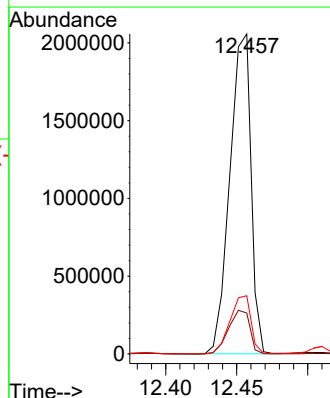
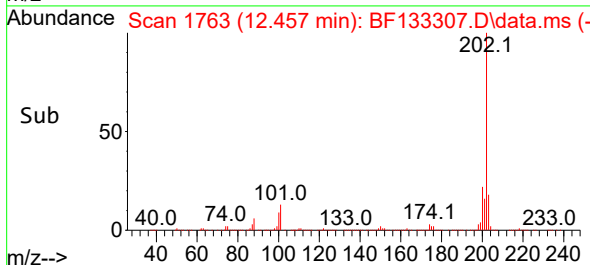
05/09/2023

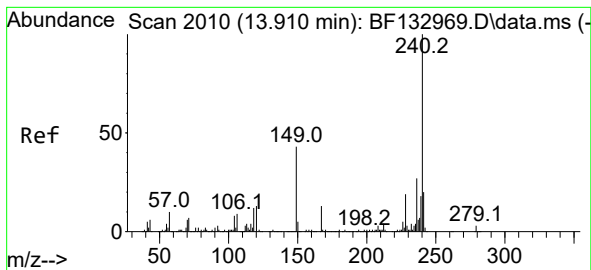


#75
 Fluoranthene
 Concen: 78.119 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. 0.000 min
 Lab File: BF133307.D
 Acq: 08 May 2023 21:49



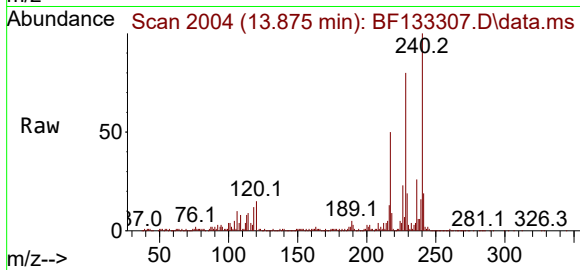
Tgt Ion:202 Resp: 2137842
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 35.3
 203 18.2 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.875 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Instrument :
BNA_F
ClientSampleId :
SS-1



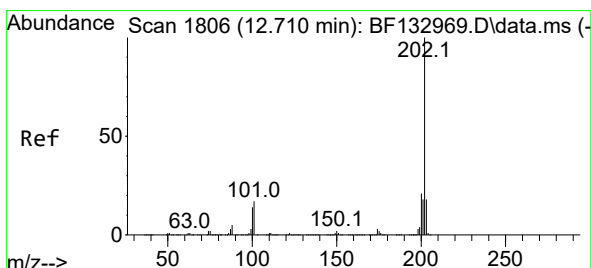
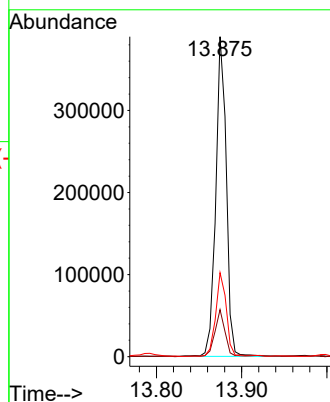
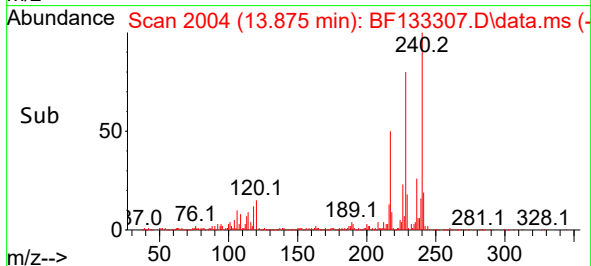
Tgt Ion:240 Resp: 335660
Ion Ratio Lower Upper
240 100
120 14.7 10.5 15.7
236 26.2 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

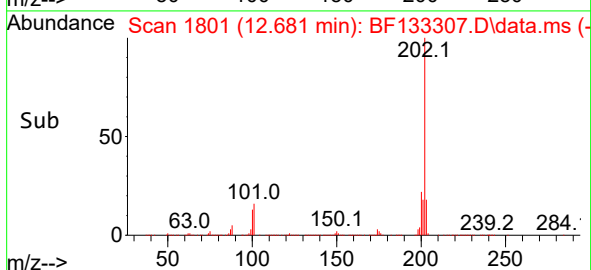
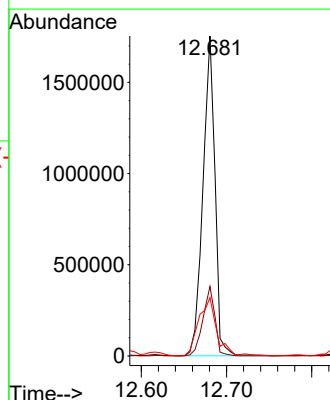
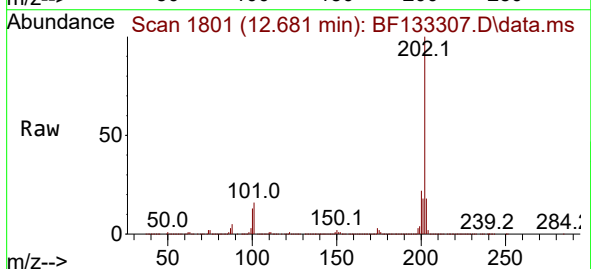
05/09/2023
Supervised By :Jagrut
Upadhyay

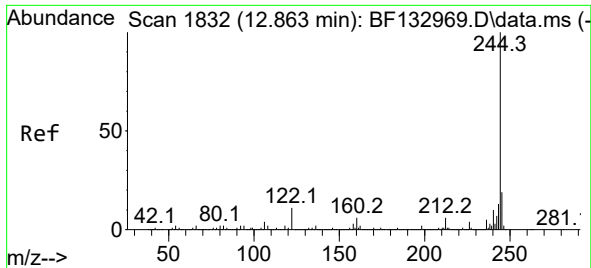
05/09/2023



#78
Pyrene
Concen: 59.556 ng
RT: 12.681 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

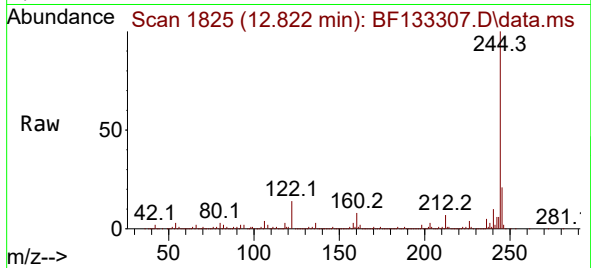
Tgt Ion:202 Resp: 1713639
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 18.2 14.1 21.1





#79
Terphenyl-d14
Concen: 52.159 ng
RT: 12.822 min Scan# 1832
Delta R.T. -0.011 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Instrument :
BNA_F
ClientSampleId :
SS-1



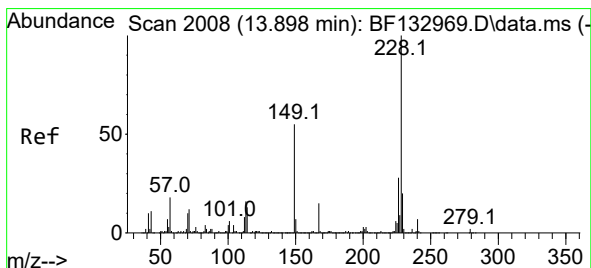
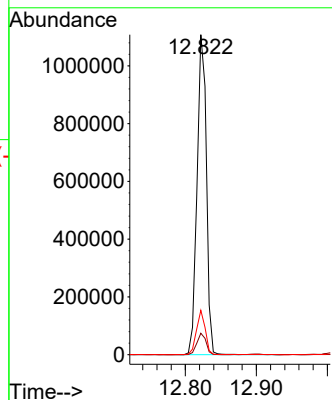
Tgt Ion:244 Resp: 1015129
Ion Ratio Lower Upper
244 100
212 6.7 5.1 7.7
122 13.8 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

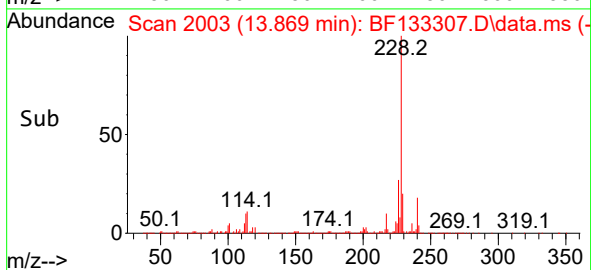
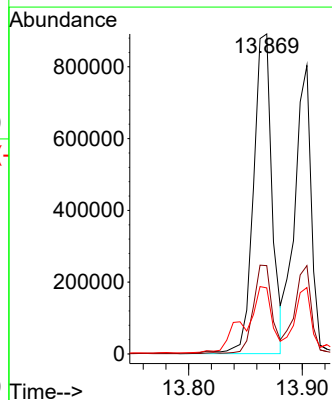
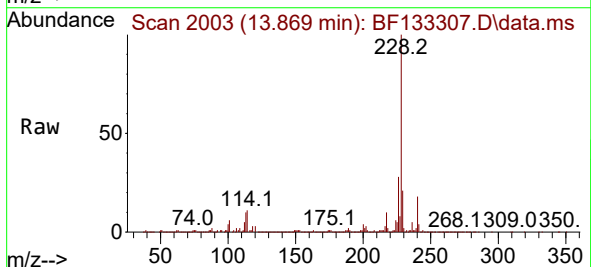
05/09/2023
Supervised By :Jagrut
Upadhyay

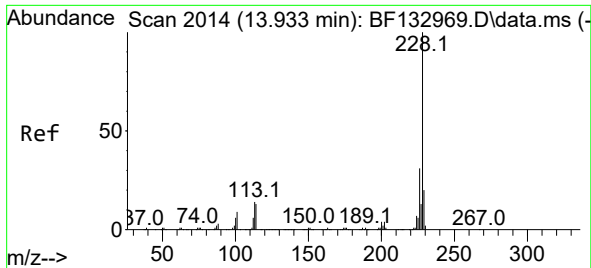
05/09/2023



#81
Benzo(a)anthracene
Concen: 43.801 ng
RT: 13.869 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

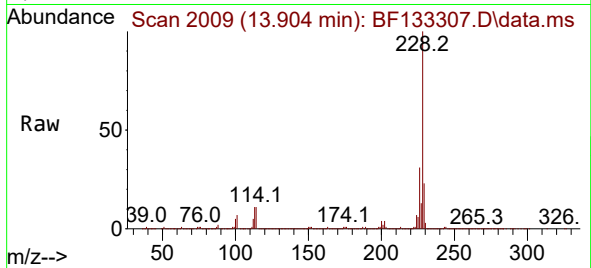
Tgt Ion:228 Resp: 1011029
Ion Ratio Lower Upper
228 100
226 27.6 22.2 33.4
229 20.6 16.0 24.0





#83
Chrysene
Concen: 35.082 ng
RT: 13.904 min Scan# 2014
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

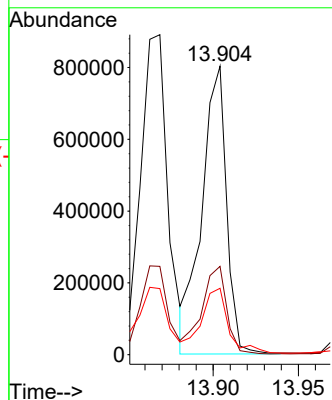
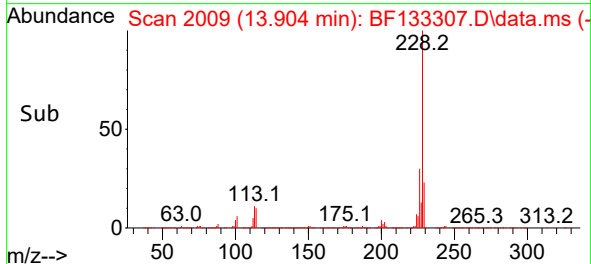
Instrument :
BNA_F
ClientSampleId :
SS-1



Tgt Ion:228 Resp: 80957
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 23.0 16.1 24.1

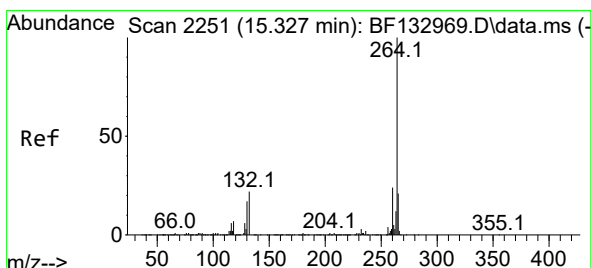
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



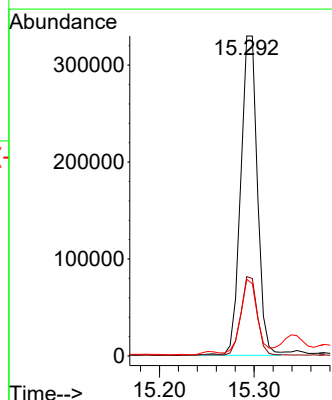
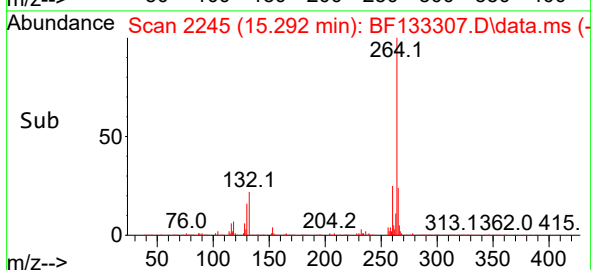
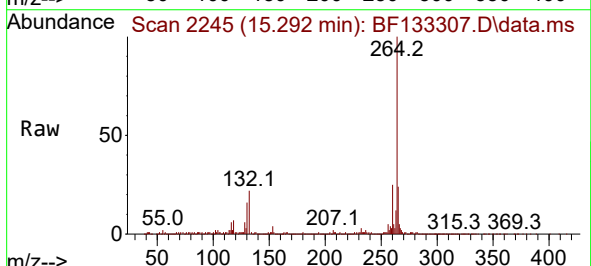
05/09/2023
Supervised By :Jagrut
Upadhyay

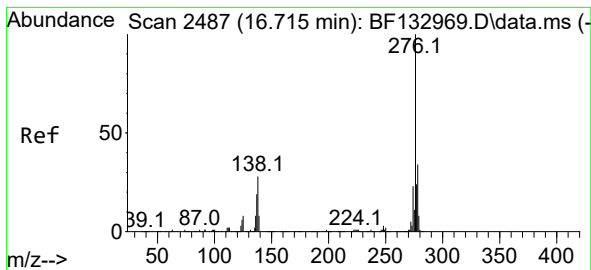
05/09/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. 0.000 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Tgt Ion:264 Resp: 402528
Ion Ratio Lower Upper
264 100
260 24.8 18.8 28.2
265 24.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.272 ng m

RT: 16.669 min Scan# 2487

Delta R.T. -0.006 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SS-1

Tgt Ion:276 Resp: 441258

Ion Ratio Lower Upper

276 100

138 5.5 25.5 38.3

277 4.7 20.4 30.6

Manual Integrations

APPROVED

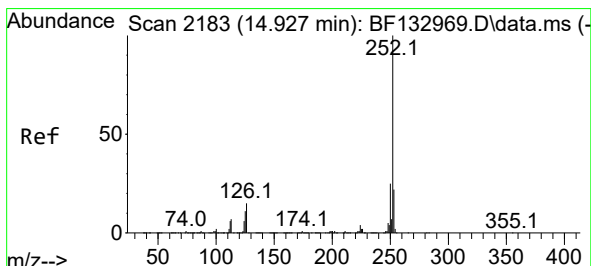
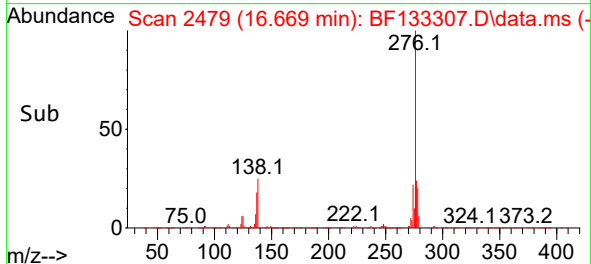
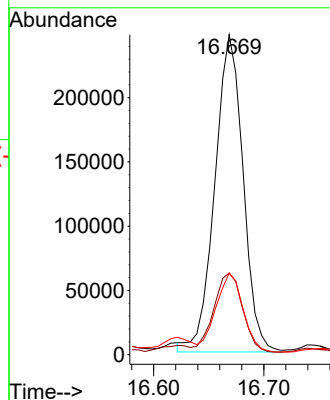
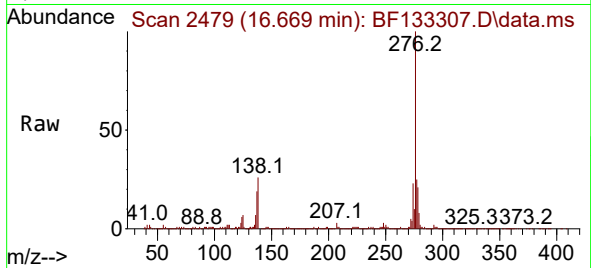
Reviewed By :Christian Giraldo 05/09/2023

Supervised By :Jagrut Upadhyay 05/09/2023

05/09/2023

Supervised By :Jagrut Upadhyay

05/09/2023



#88

Benzo(b)fluoranthene

Concen: 45.819 ng m

RT: 14.892 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

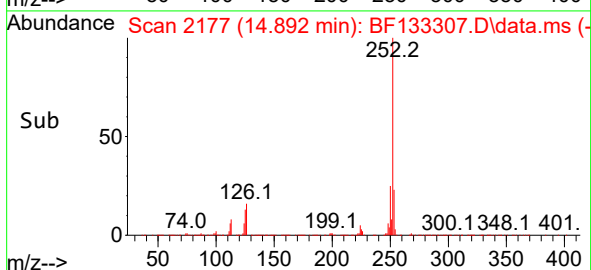
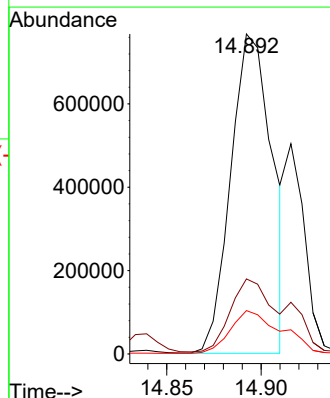
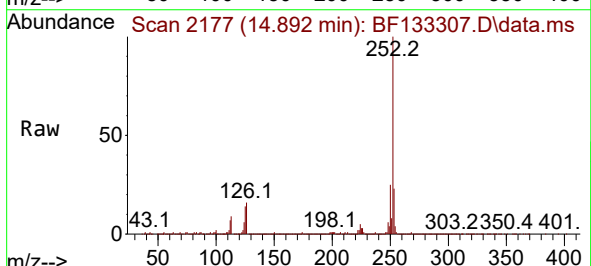
Tgt Ion:252 Resp: 1173359

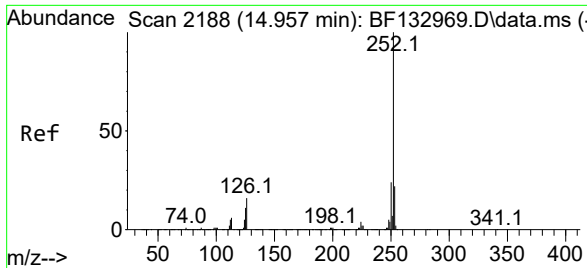
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

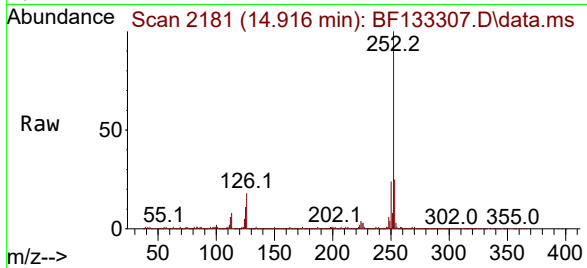
125 13.6 8.9 13.3





#89
Benzo(k)fluoranthene
Concen: 13.586 ng m
RT: 14.916 min Scan# 2188
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

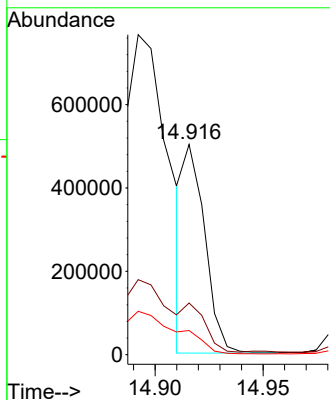
Instrument :
BNA_F
ClientSampleId :
SS-1



Tgt Ion:252 Resp: 344870
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 11.5 9.0 13.4

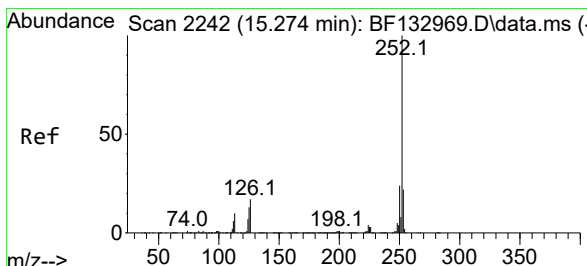
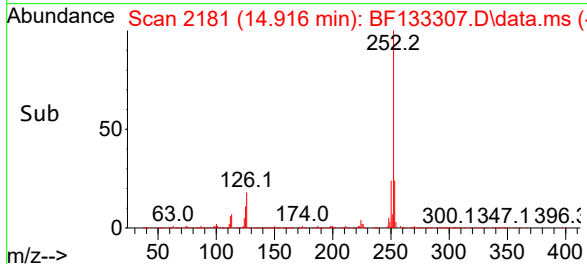
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



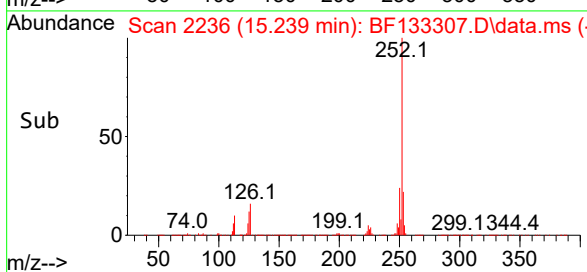
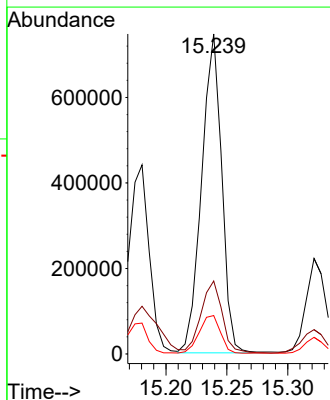
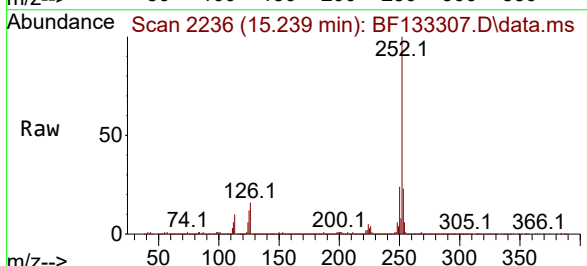
05/09/2023
Supervised By :Jagrut
Upadhyay

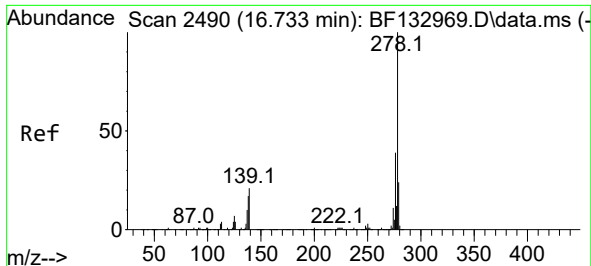
05/09/2023



#90
Benzo(a)pyrene
Concen: 36.583 ng
RT: 15.239 min Scan# 2236
Delta R.T. 0.000 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

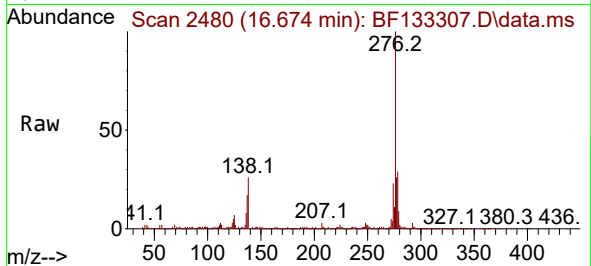
Tgt Ion:252 Resp: 852699
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.0 10.5 15.7





#91
Dibenzo(a,h)anthracene
Concen: 6.287 ng m
RT: 16.674 min Scan# 2490
Delta R.T. -0.017 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

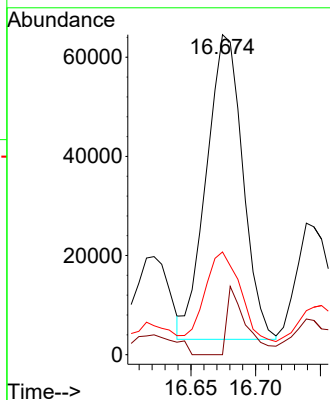
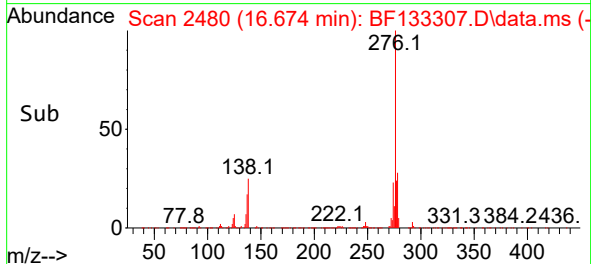
Instrument :
BNA_F
ClientSampleId :
SS-1



Tgt Ion:278 Resp: 120065
Ion Ratio Lower Upper
278 100
139 0.0 16.6 24.8
279 32.1 18.8 28.2

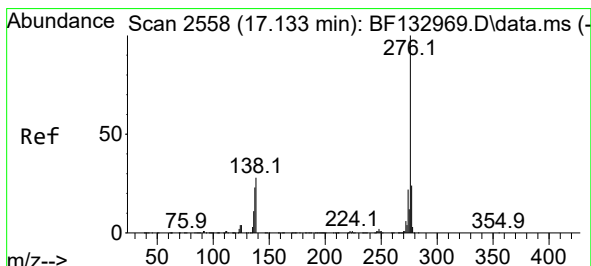
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

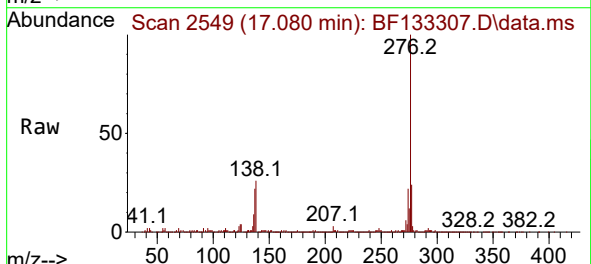


05/09/2023
Supervised By :Jagrut
Upadhyay

05/09/2023



#92
Benzo(g,h,i)perylene
Concen: 20.201 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49



Tgt Ion:276 Resp: 380869
Ion Ratio Lower Upper
276 100
277 23.5 19.4 29.0
138 25.6 22.7 34.1

