

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101322\
 Data File : BF130659.D
 Acq On : 13 Oct 2022 21:44
 Operator : CG\JU
 Sample : N5118-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-2-101222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/14/2022
 Supervised By : Jagrut Upadhyay 10/14/2022

Quant Time: Oct 14 06:04:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 12 06:52:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.587	152	58891	20.000	ng	0.00
21) Naphthalene-d8	7.869	136	196373	20.000	ng	0.00
39) Acenaphthene-d10	9.616	164	99761	20.000	ng	0.00
64) Phenanthrene-d10	11.104	188	184185	20.000	ng	0.00
76) Chrysene-d12	13.745	240	134862	20.000	ng	0.02
86) Perylene-d12	15.121	264	103359	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.187	112	130340	39.895	ng	0.00
7) Phenol-d6	6.234	99	144817	35.255	ng	0.00
23) Nitrobenzene-d5	7.151	82	86036	23.918	ng	-0.01
42) 2,4,6-Tribromophenol	10.410	330	41268	42.276	ng	0.00
45) 2-Fluorobiphenyl	8.945	172	157110	23.855	ng	0.00
79) Terphenyl-d14	12.686	244	211547	26.035	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.892	128	245394	24.141	ng	99
37) 2-Methylnaphthalene	8.581	142	86718	13.556	ng	100
38) 1-Methylnaphthalene	8.681	142	131777	21.220	ng	97
46) 1,1'-Biphenyl	9.045	154	24551	3.396	ng	98
49) Acenaphthylene	9.481	152	101411	11.454	ng	96
52) Acenaphthene	9.651	154	259693	48.413	ng	98
55) Dibenzofuran	9.822	168	406875	49.791	ng	99
58) Fluorene	10.169	166	617592	91.929	ng	98
71) Phenanthrene	11.145	178	3918598	384.007	ng	98
72) Anthracene	11.186	178	1165294	116.925	ng	99
73) Carbazole	11.339	167	425903	47.892	ng	99
75) Fluoranthene	12.339	202	4529393	461.827	ng	96
78) Pyrene	12.563	202	3567731	306.648	ng	96
81) Benzo(a)anthracene	13.739	228	1579508	173.817	ng	98
83) Chrysene	13.774	228	1276686	148.179	ng	97
87) Indeno(1,2,3-cd)pyrene	16.427	276	476956m	61.654	ng	
88) Benzo(b)fluoranthene	14.751	252	1278139m	195.288	ng	
89) Benzo(k)fluoranthene	14.768	252	416812m	62.545	ng	
90) Benzo(a)pyrene	15.074	252	904093	165.974	ng	96
91) Dibenzo(a,h)anthracene	16.433	278	131466m	20.732	ng	
92) Benzo(g,h,i)perylene	16.821	276	440444	74.574	ng	95

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

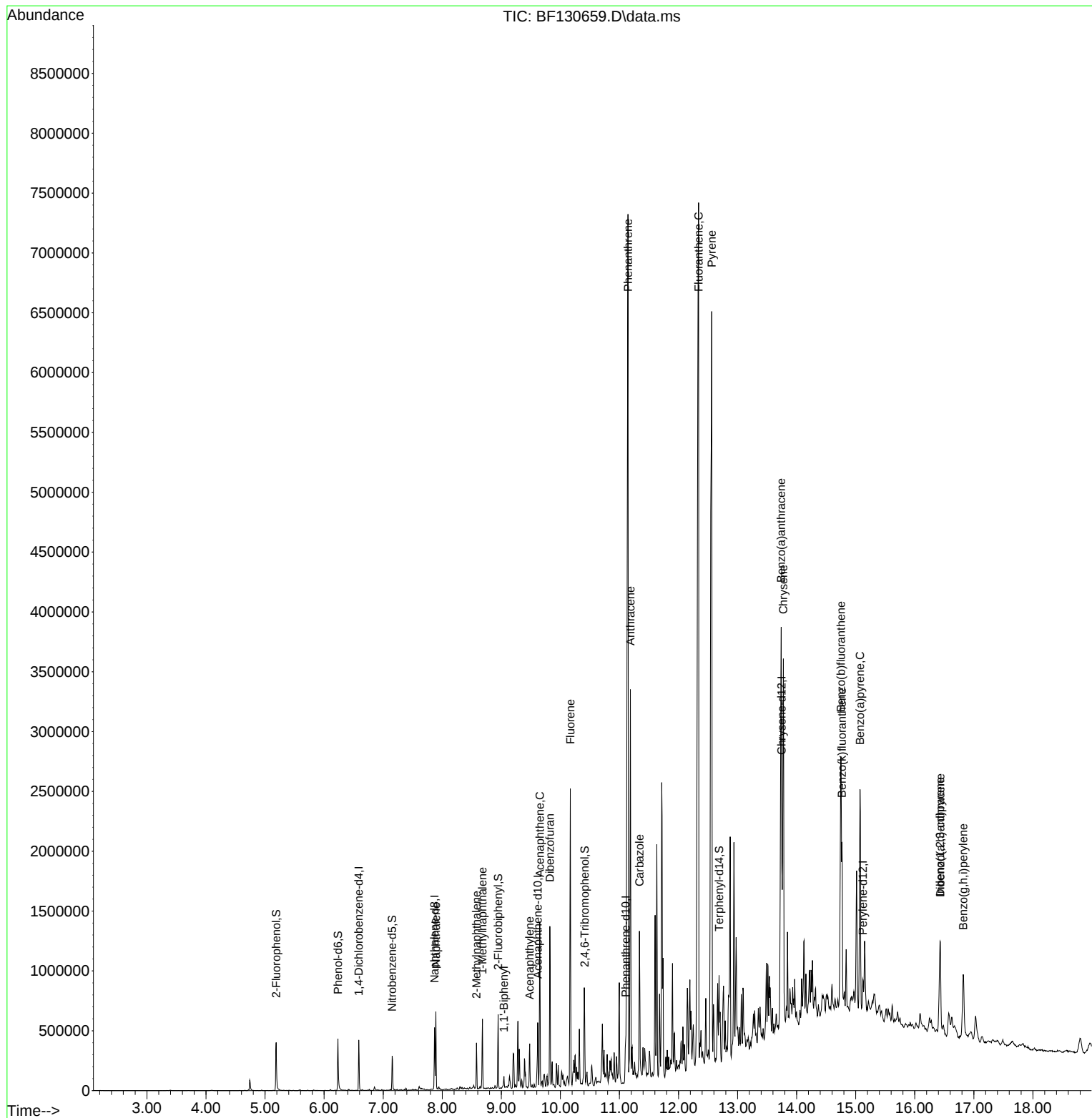
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101322\
Data File : BF130659.D
Acq On : 13 Oct 2022 21:44
Operator : CG\JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

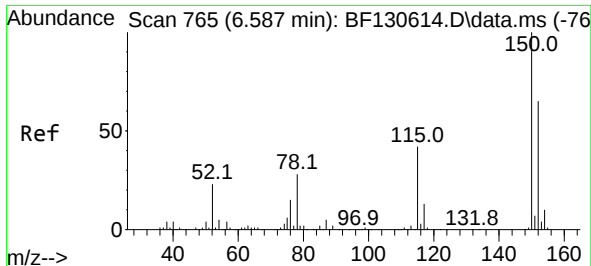
Instrument :
BNA_F
ClientSampleId :
SU-2-101222

Quant Time: Oct 14 06:04:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 06:52:52 2022
Response via : Initial Calibration

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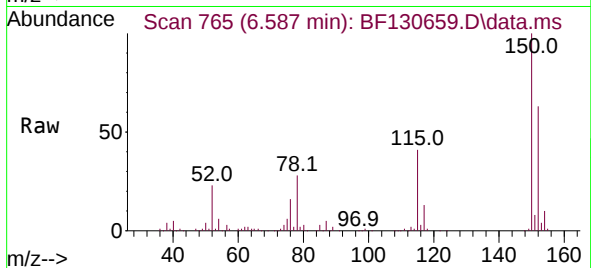
Reviewed By : Christian Giraldo 10/14/2022
Supervised By : Jagrut Upadhyay 10/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.587 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

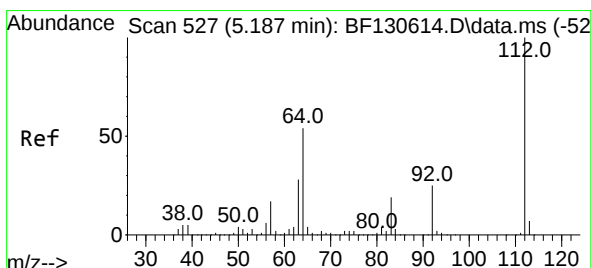
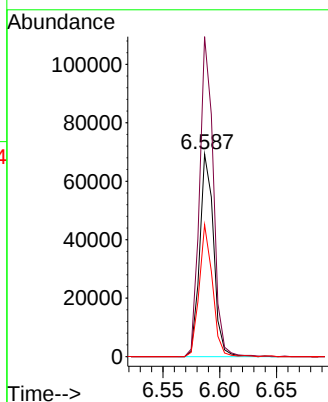
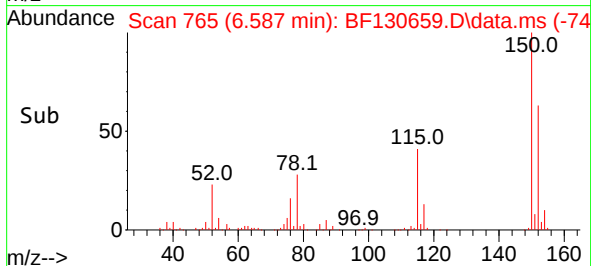
Instrument :
BNA_F
ClientSampleId :
SU-2-101222



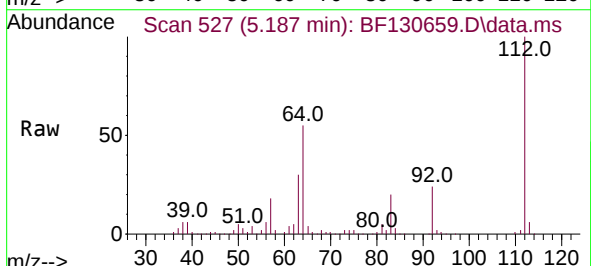
Tgt Ion:152 Resp: 58891
Ion Ratio Lower Upper
152 100
150 158.0 123.8 185.6
115 65.1 52.2 78.4

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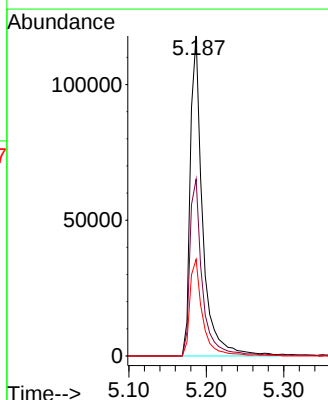
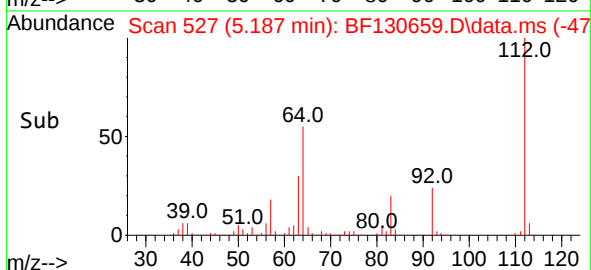
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

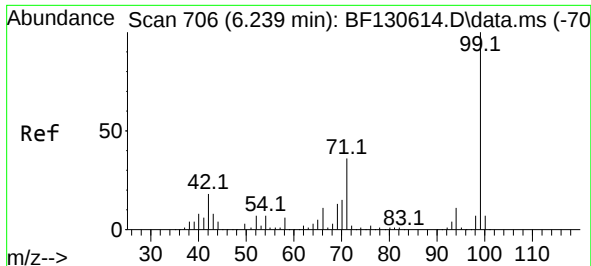


#5
2-Fluorophenol
Concen: 39.895 ng
RT: 5.187 min Scan# 527
Delta R.T. 0.000 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44



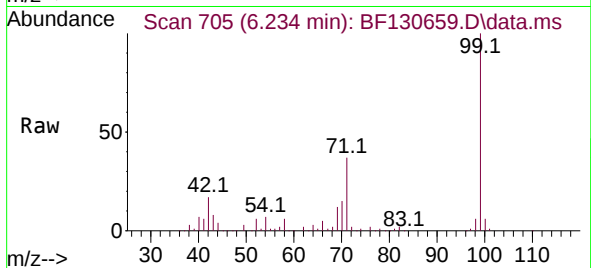
Tgt Ion:112 Resp: 130340
Ion Ratio Lower Upper
112 100
64 55.2 43.5 65.3
63 30.2 22.6 34.0





#7
Phenol-d6
Concen: 35.255 ng
RT: 6.234 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

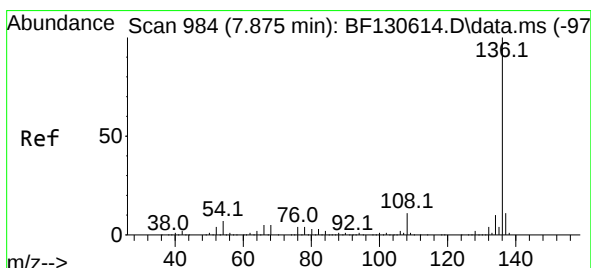
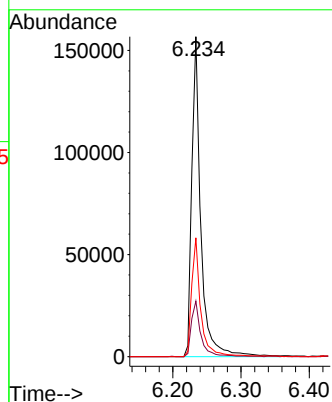
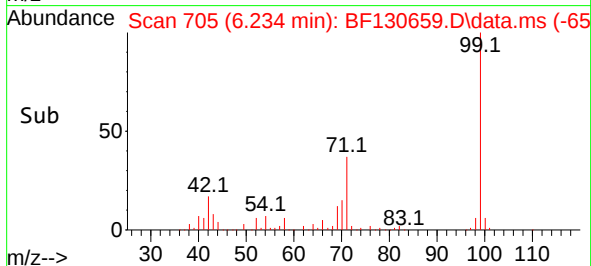
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 144817
Ion Ratio Lower Upper
99 100
42 17.3 14.0 21.0
71 37.1 28.8 43.2

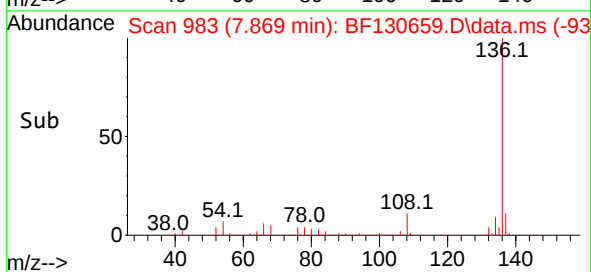
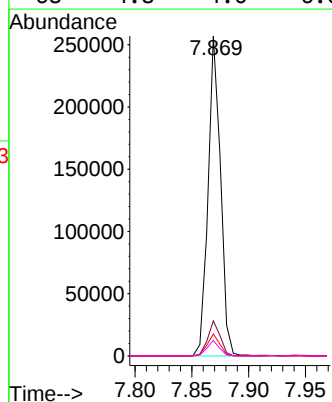
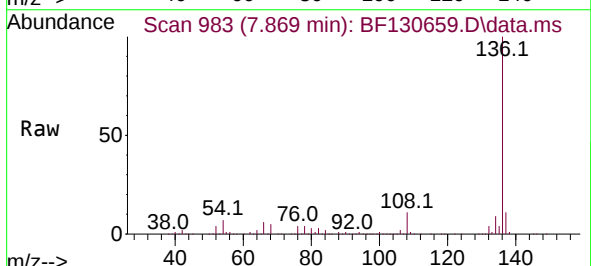
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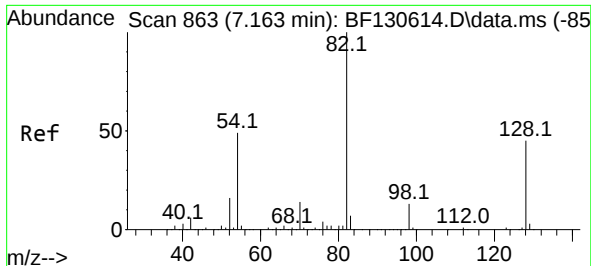
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Tgt Ion:136 Resp: 196373
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.9 5.5 8.3
68 4.8 4.0 6.0





#23
Nitrobenzene-d5
Concen: 23.918 ng
RT: 7.151 min Scan# 861
Delta R.T. -0.012 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Instrument :

BNA_F

ClientSampleId :

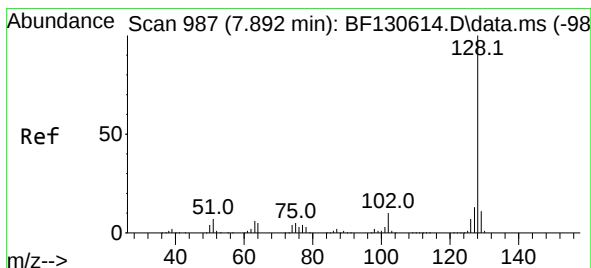
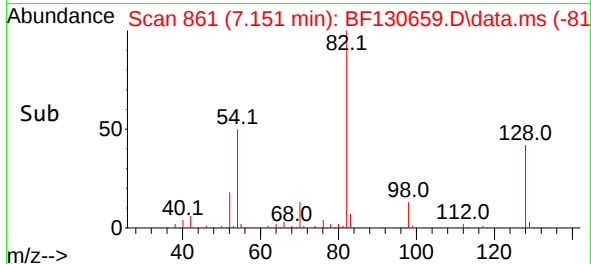
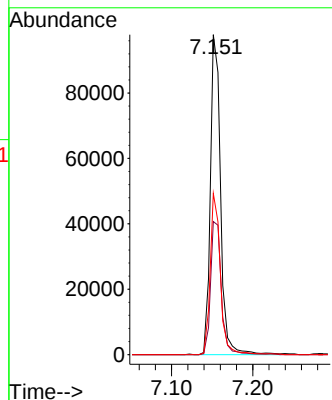
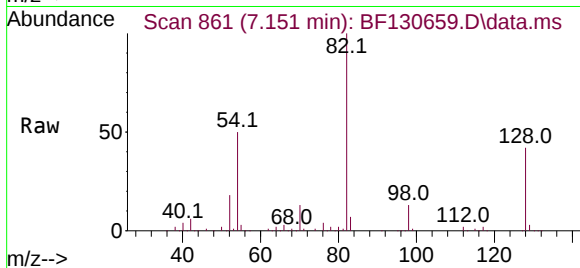
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Tgt Ion: 82 Resp: 86036
Ion Ratio Lower Upper
82 100
128 41.6 35.8 53.6
54 50.4 39.3 58.9

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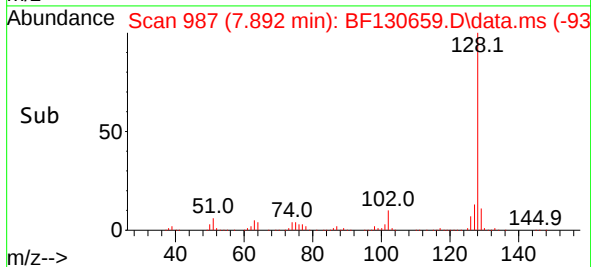
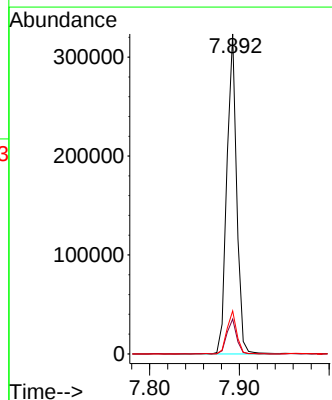
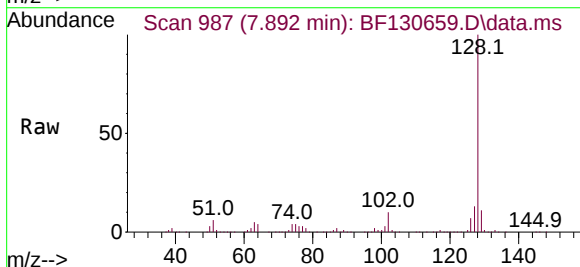
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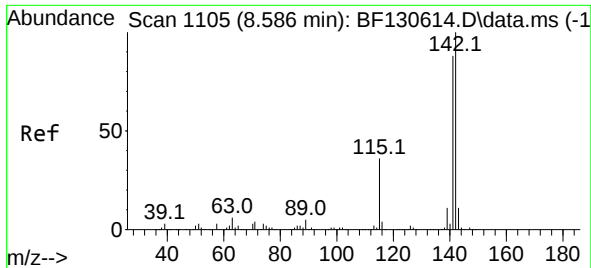
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#31
Naphthalene
Concen: 24.141 ng
RT: 7.892 min Scan# 987
Delta R.T. 0.000 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Tgt Ion:128 Resp: 245394
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.4 10.3 15.5





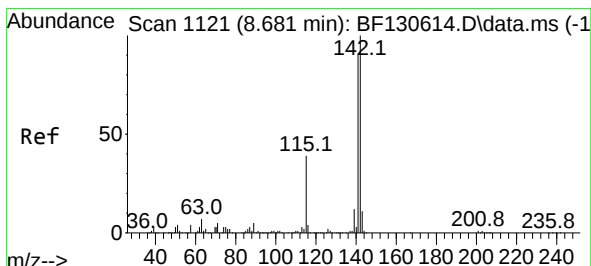
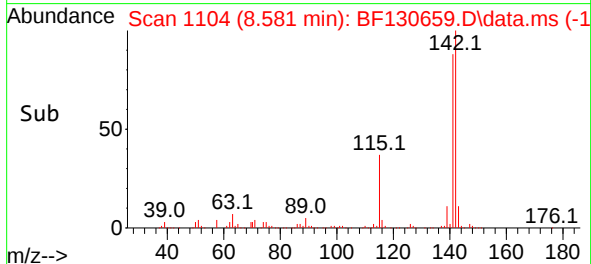
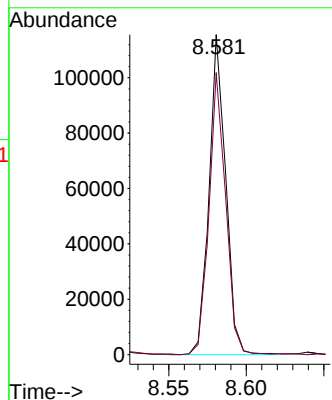
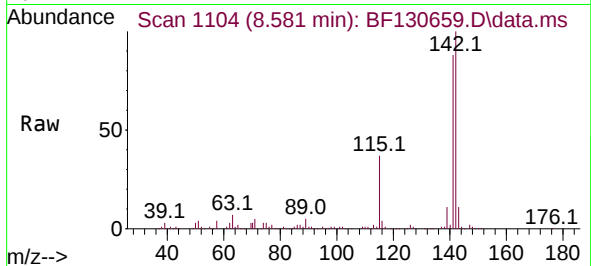
#37
2-Methylnaphthalene
Concen: 13.556 ng
RT: 8.581 min Scan# 1104
Delta R.T. -0.006 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Instrument :
BNA_F
ClientSampleId :
SU-2-101222

Tgt Ion:142 Resp: 86718
Ion Ratio Lower Upper
142 100
141 88.1 70.7 106.1

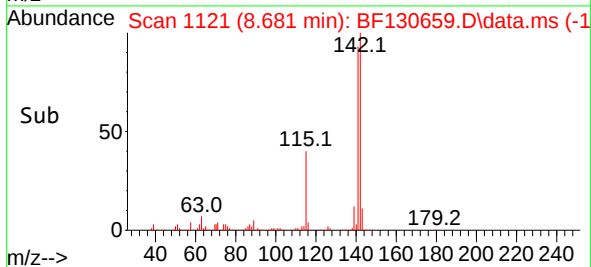
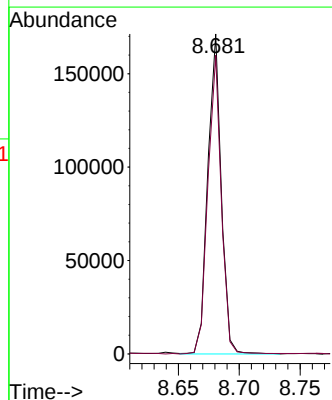
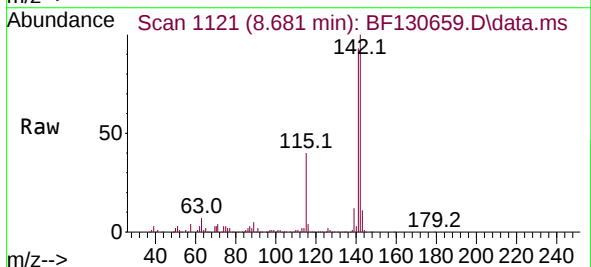
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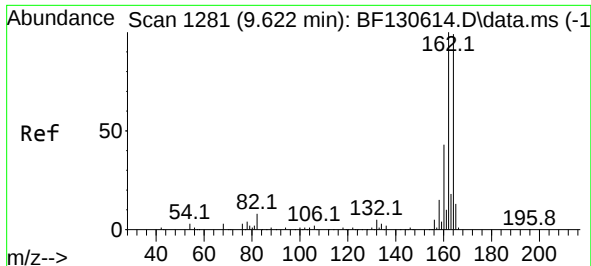
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#38
1-Methylnaphthalene
Concen: 21.220 ng
RT: 8.681 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

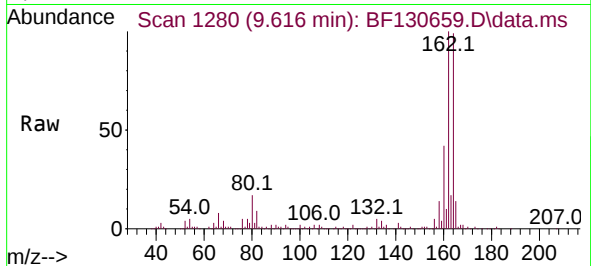
Tgt Ion:142 Resp: 131777
Ion Ratio Lower Upper
142 100
141 93.3 72.6 108.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.616 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

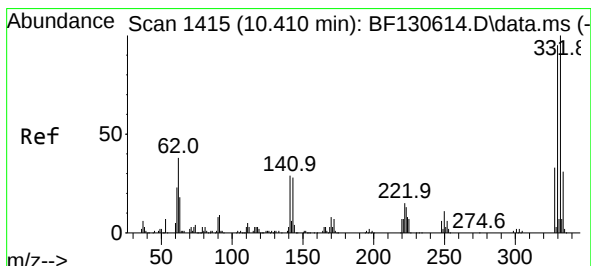
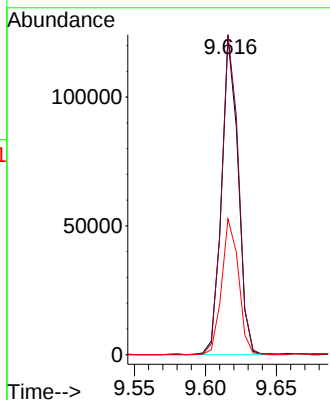
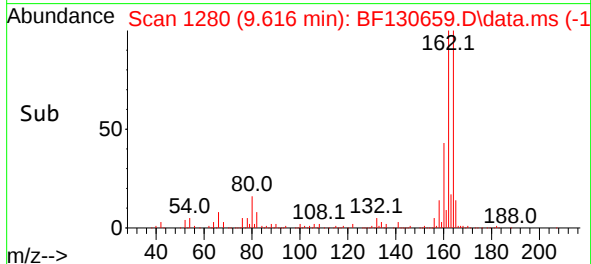
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ClientSampleId :
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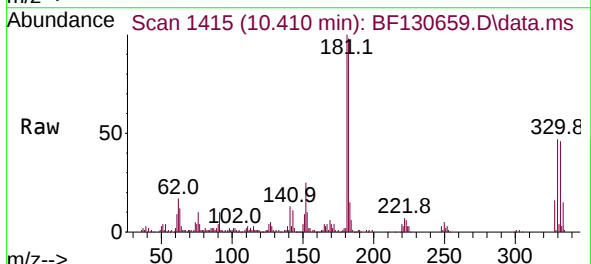
Tgt Ion:164 Resp: 99761
Ion Ratio Lower Upper
164 100
162 101.1 81.0 121.4
160 42.9 34.5 51.7

Manual Integrations
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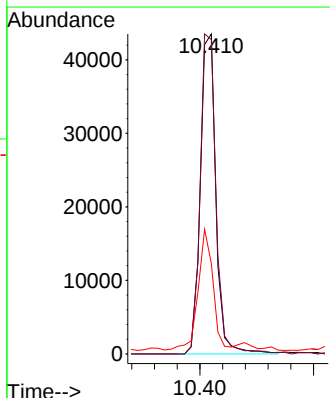
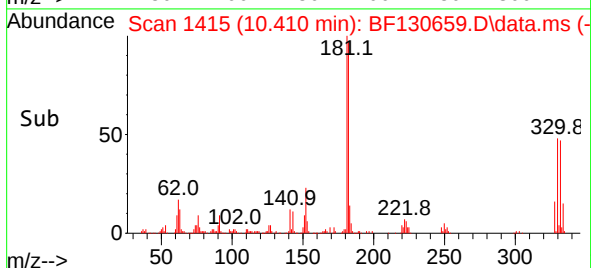
Reviewed By :Christian Giraldo 10/14/2022
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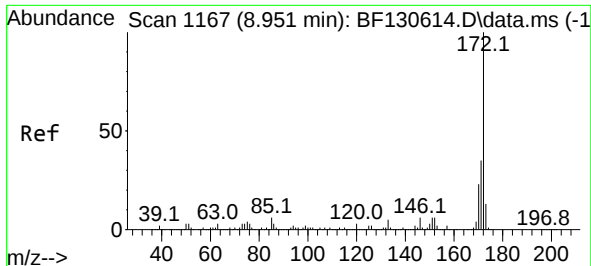


#42
2,4,6-Tribromophenol
Concen: 42.276 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44



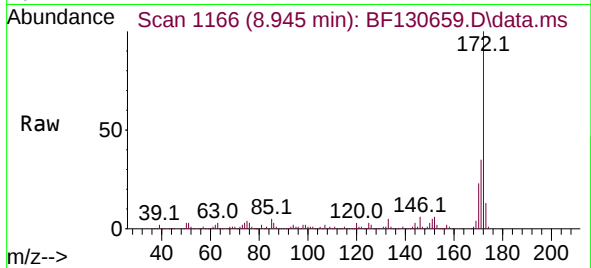
Tgt Ion:330 Resp: 41268
Ion Ratio Lower Upper
330 100
332 102.2 84.2 126.4
141 35.7 26.8 40.2





#45
2-Fluorobiphenyl
Concen: 23.855 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

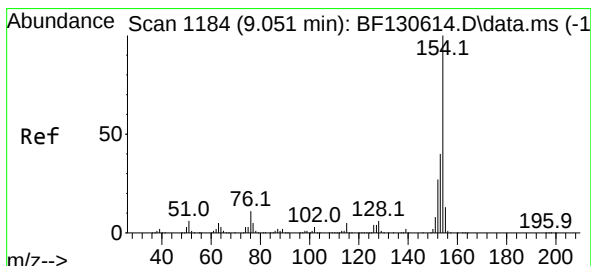
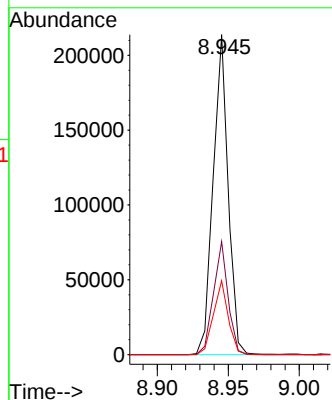
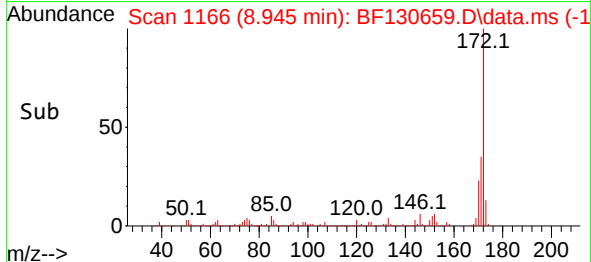
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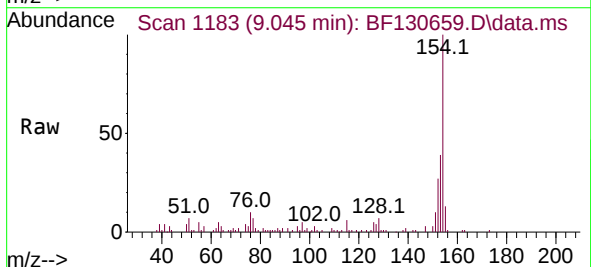
Tgt Ion:172 Resp: 157110
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 23.1 18.6 27.8

Manual Integrations
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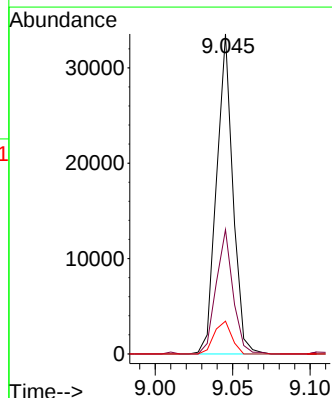
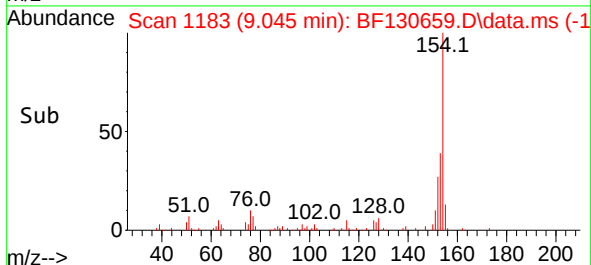
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

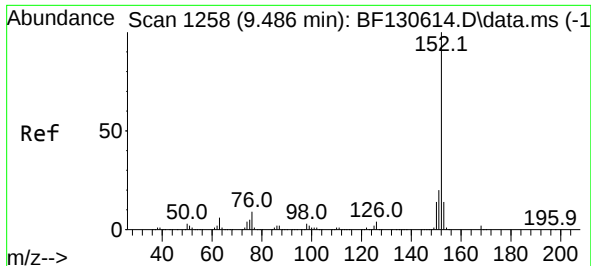


#46
1,1'-Biphenyl
Concen: 3.396 ng
RT: 9.045 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44



Tgt Ion:154 Resp: 24551
Ion Ratio Lower Upper
154 100
153 38.8 20.0 60.0
76 10.2 0.0 30.8





#49

Acenaphthylene

Concen: 11.454 ng

RT: 9.481 min Scan# 1257

Delta R.T. -0.005 min

Lab File: BF130659.D

Acq: 13 Oct 2022 21:44

Instrument :

BNA_F

ClientSampleId :

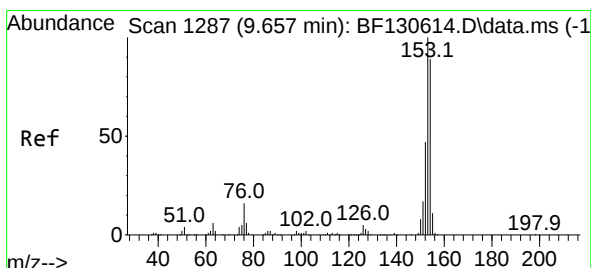
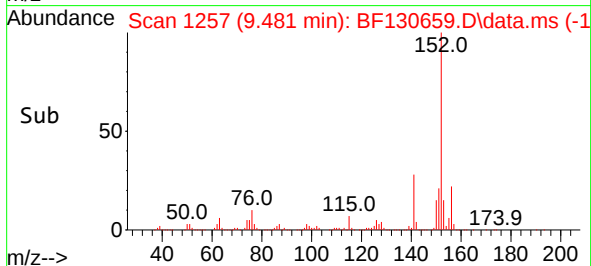
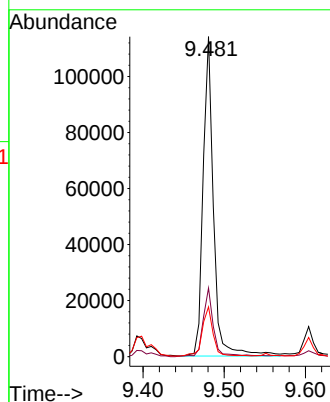
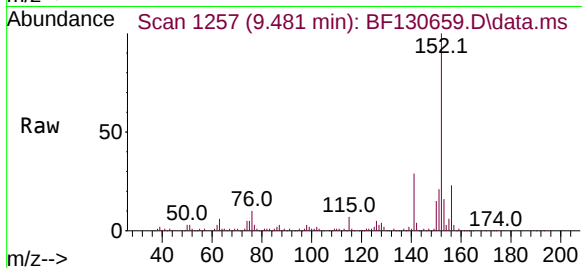
SU-2-101222

Tgt Ion:152 Resp: 101411
 Ion Ratio Lower Upper
 152 100
 151 21.4 16.2 24.2
 153 15.5 10.8 16.2

Manual Integrations

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 Supervised By :Jagrut Upadhyay 10/14/2022



#52

Acenaphthene

Concen: 48.413 ng

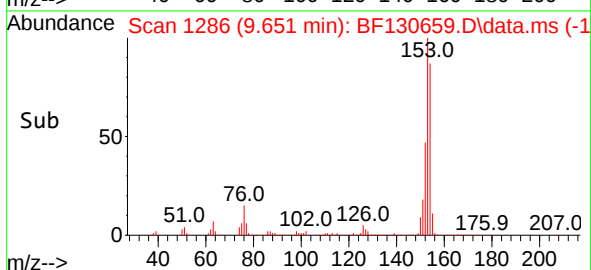
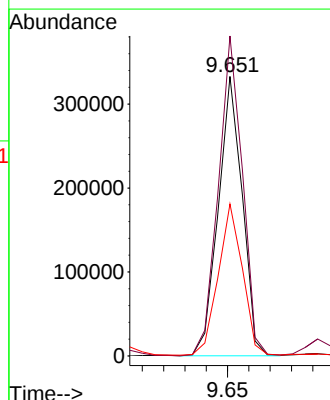
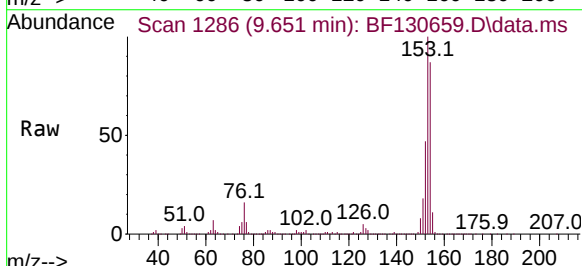
RT: 9.651 min Scan# 1286

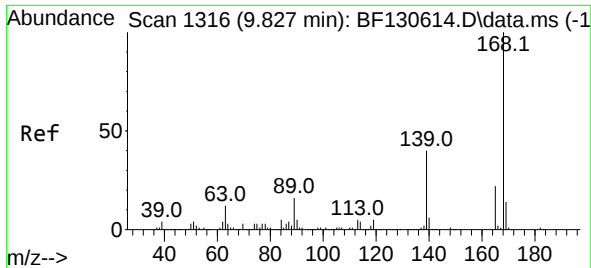
Delta R.T. -0.006 min

Lab File: BF130659.D

Acq: 13 Oct 2022 21:44

Tgt Ion:154 Resp: 259693
 Ion Ratio Lower Upper
 154 100
 153 114.5 89.6 134.4
 152 54.4 42.4 63.6





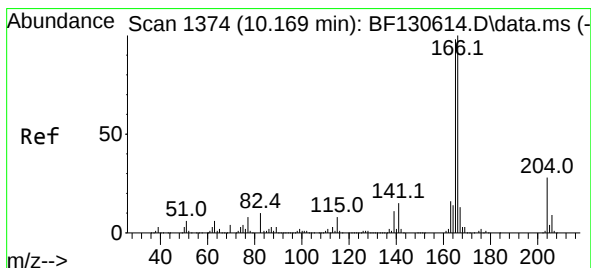
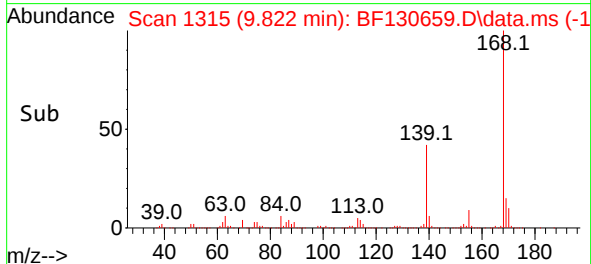
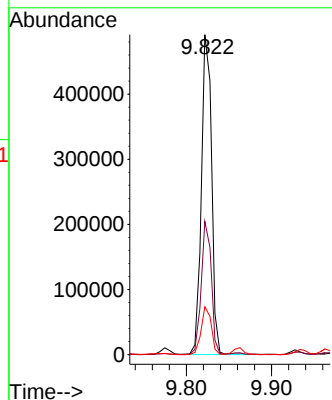
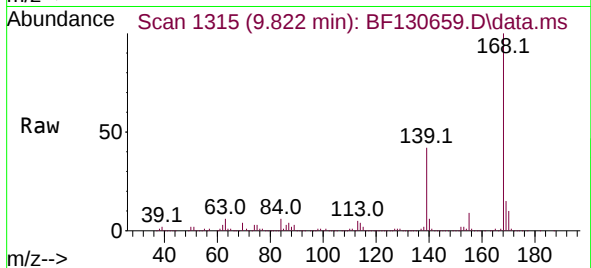
#55
Dibenzenofuran
Concen: 49.791 ng
RT: 9.822 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Instrument :
BNA_F
ClientSampleId :
SU-2-101222

Tgt Ion:168 Resp: 406875
Ion Ratio Lower Upper
168 100
139 41.6 33.0 49.4
169 14.9 10.9 16.3

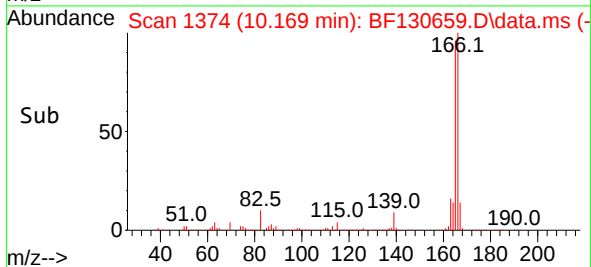
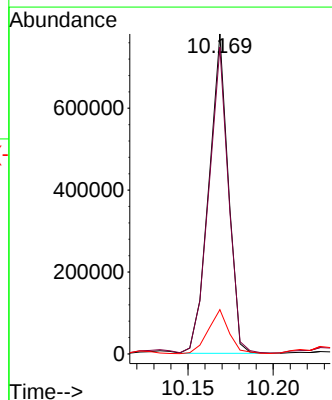
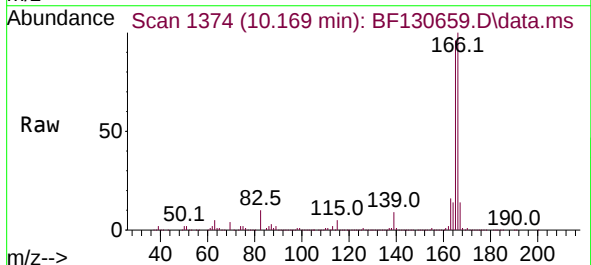
Manual Integrations
APPROVED

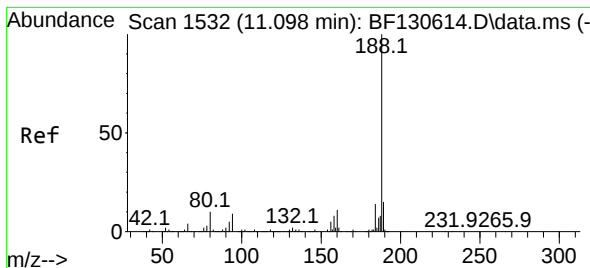
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#58
Fluorene
Concen: 91.929 ng
RT: 10.169 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Tgt Ion:166 Resp: 617592
Ion Ratio Lower Upper
166 100
165 95.8 78.2 117.4
167 13.8 10.8 16.2





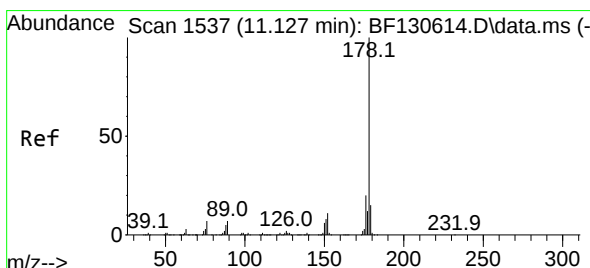
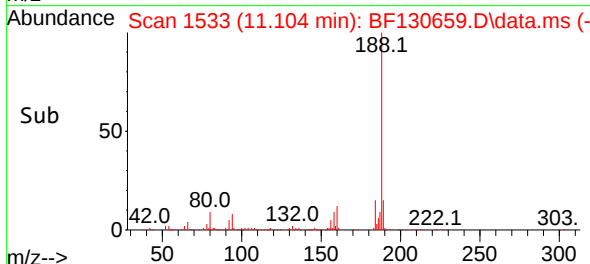
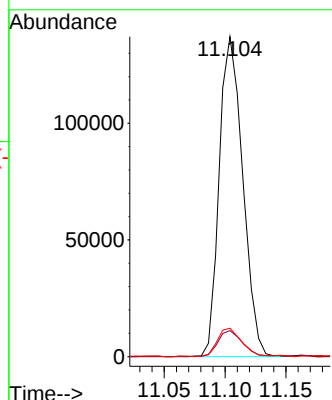
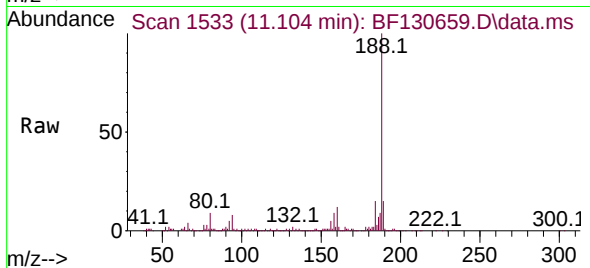
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.104 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Instrument :
BNA_F
ClientSampleId :
SU-2-101222

Tgt Ion:188 Resp: 184185
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 8.9 8.0 12.0

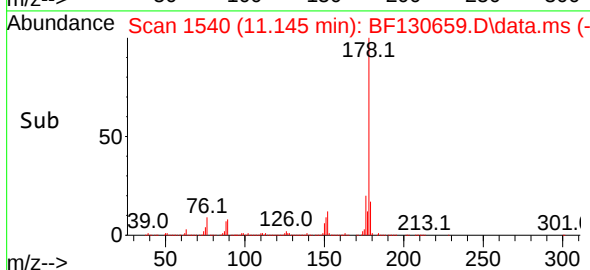
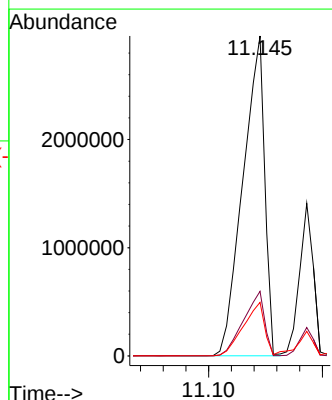
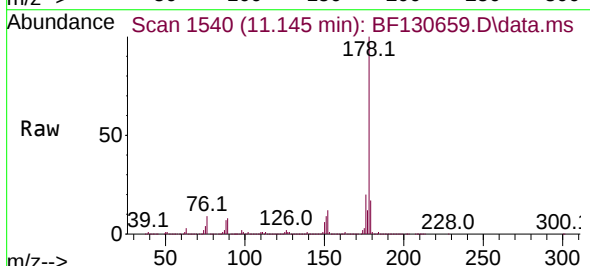
Manual Integrations
APPROVED

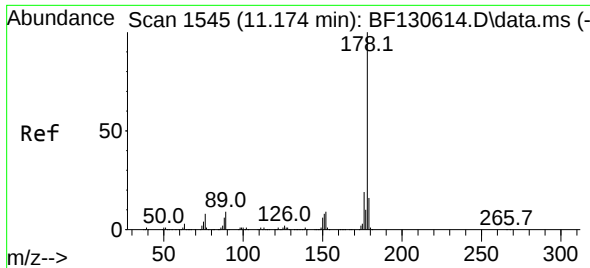
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#71
Phenanthrene
Concen: 384.007 ng
RT: 11.145 min Scan# 1540
Delta R.T. 0.018 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

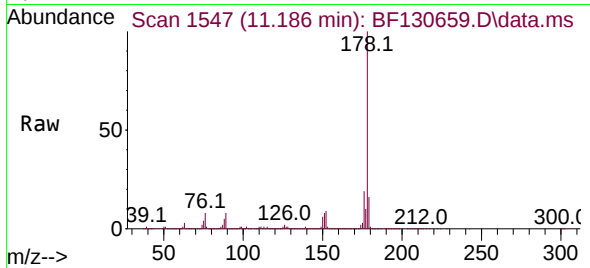
Tgt Ion:178 Resp: 3918598
Ion Ratio Lower Upper
178 100
176 20.2 15.7 23.5
179 16.7 12.2 18.4





#72
 Anthracene
 Concen: 116.925 ng
 RT: 11.186 min Scan# 1545
 Delta R.T. 0.012 min
 Lab File: BF130659.D
 Acq: 13 Oct 2022 21:44

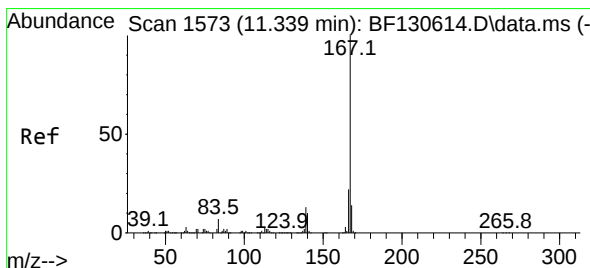
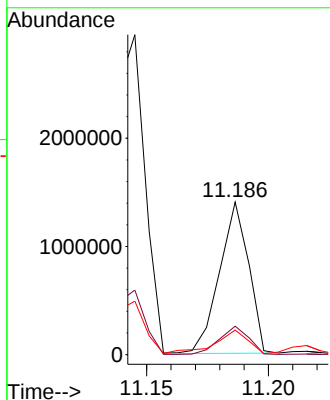
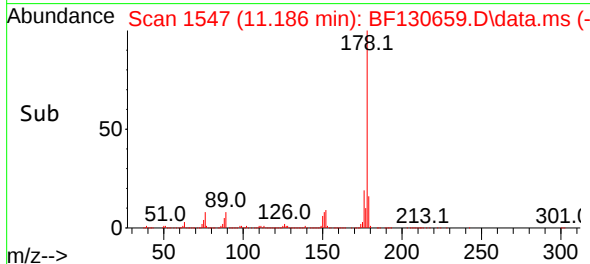
Instrument :
 BNA_F
 ClientSampleId :
 SU-2-101222



Tgt Ion:178 Resp: 1165294
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.4
 179 16.1 12.5 18.7

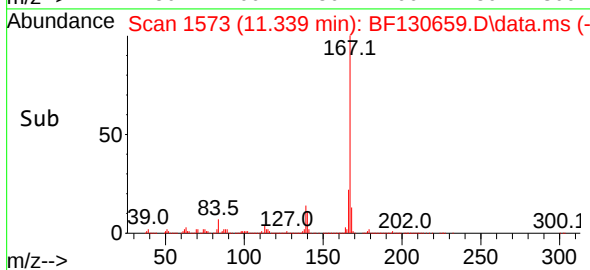
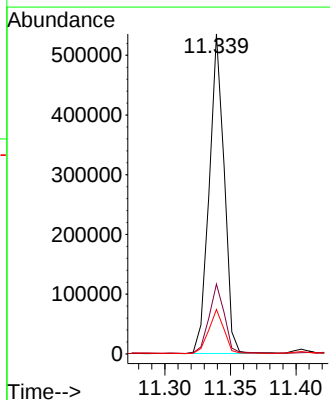
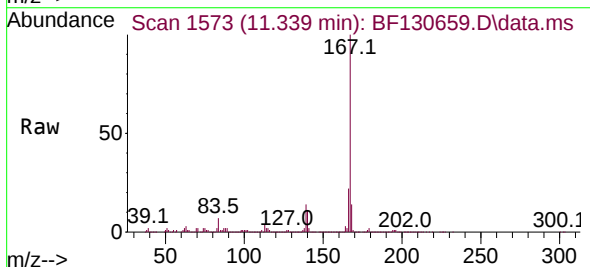
Manual Integrations
 APPROVED

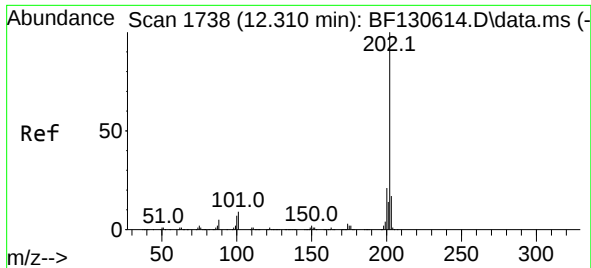
Reviewed By :Christian Giraldo 10/14/2022
 Supervised By :Jagrut Upadhyay 10/14/2022



#73
 Carbazole
 Concen: 47.892 ng
 RT: 11.339 min Scan# 1573
 Delta R.T. 0.000 min
 Lab File: BF130659.D
 Acq: 13 Oct 2022 21:44

Tgt Ion:167 Resp: 425903
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.3 25.9
 139 13.9 10.7 16.1





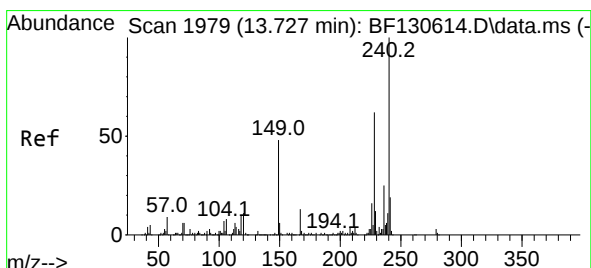
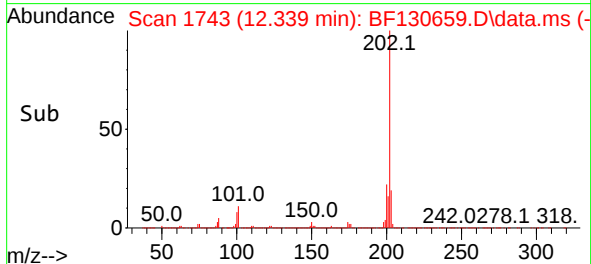
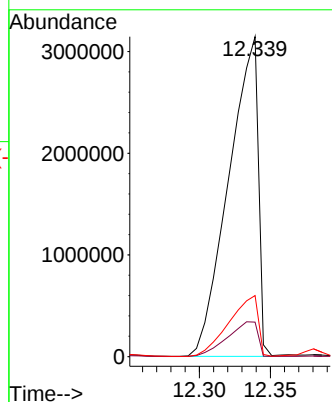
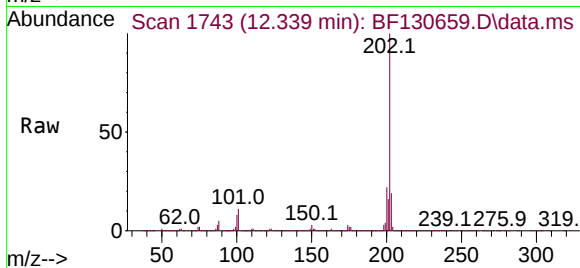
#75
Fluoranthene
Concen: 461.827 ng
RT: 12.339 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Instrument :
BNA_F
ClientSampleId :
SU-2-101222

Tgt Ion:202 Resp: 452939
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.1
203 19.1 0.0 37.3

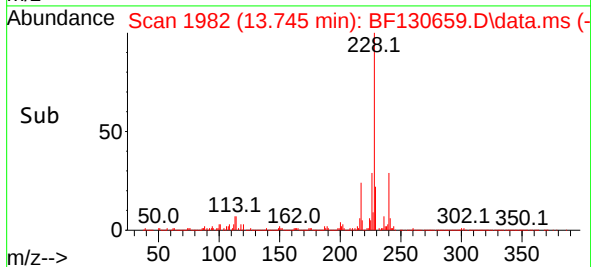
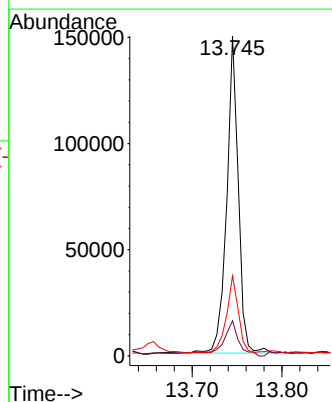
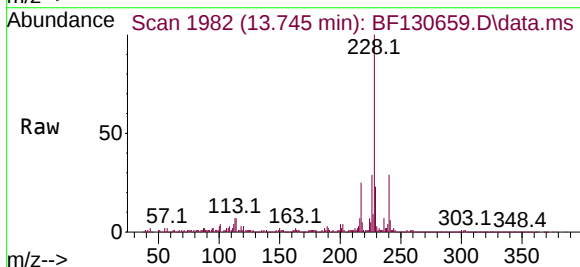
Manual Integrations
APPROVED

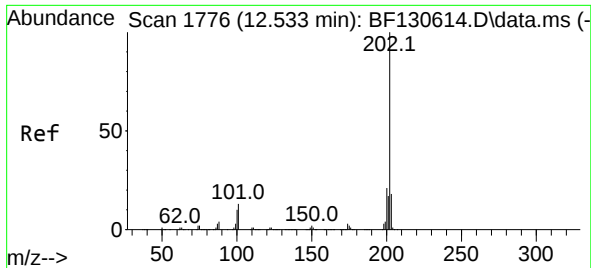
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.745 min Scan# 1982
Delta R.T. 0.018 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Tgt Ion:240 Resp: 134862
Ion Ratio Lower Upper
240 100
120 11.0 8.6 13.0
236 25.0 20.2 30.4





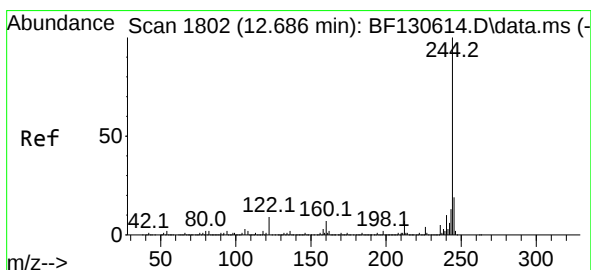
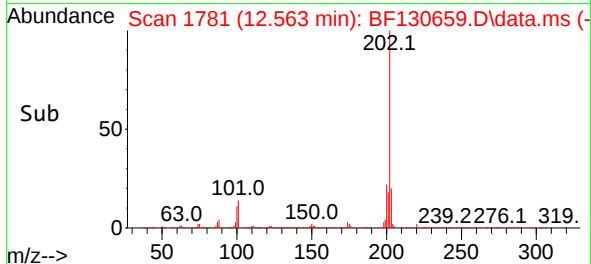
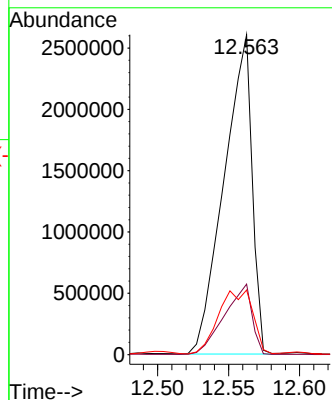
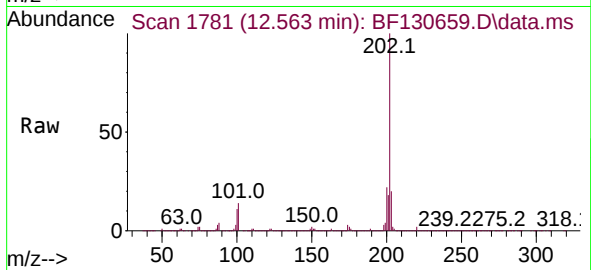
#78
Pyrene
Concen: 306.648 ng
RT: 12.563 min Scan# 1776
Delta R.T. 0.030 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Instrument :
BNA_F
ClientSampleId :
SU-2-101222

Tgt Ion:202 Resp: 356773
Ion Ratio Lower Upper
202 100
200 22.0 16.7 25.1
203 20.2 14.0 21.0

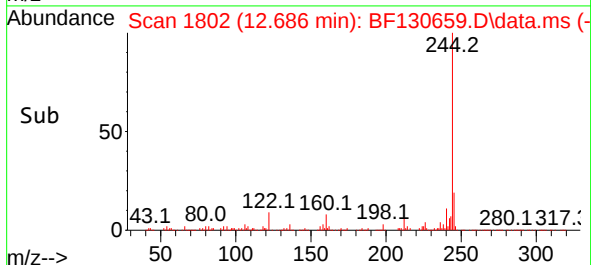
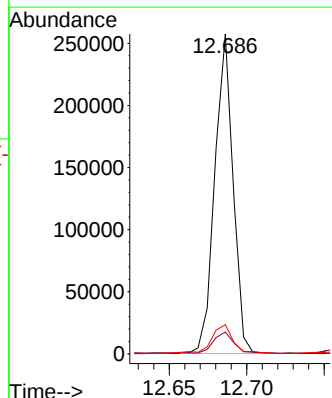
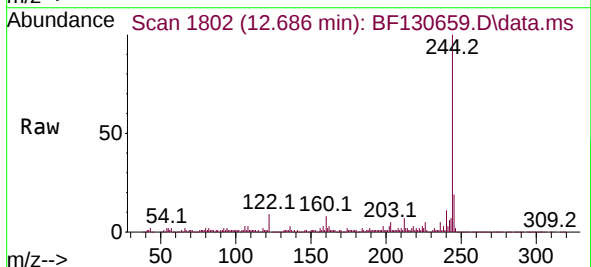
Manual Integrations
APPROVED

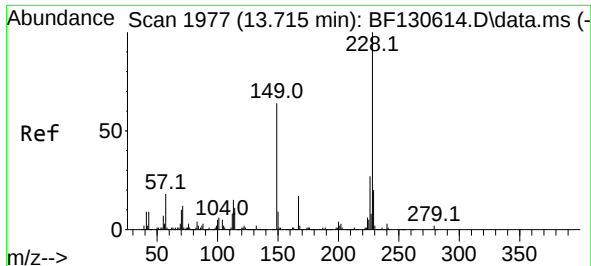
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#79
Terphenyl-d14
Concen: 26.035 ng
RT: 12.686 min Scan# 1802
Delta R.T. 0.000 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Tgt Ion:244 Resp: 211547
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 9.1 7.5 11.3





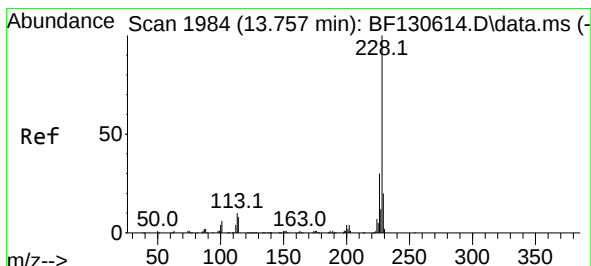
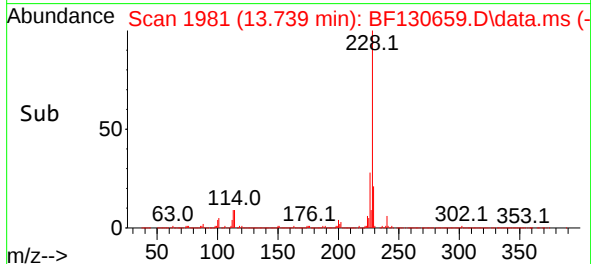
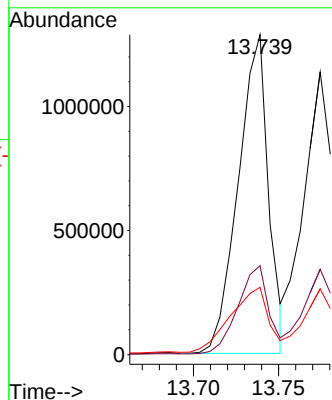
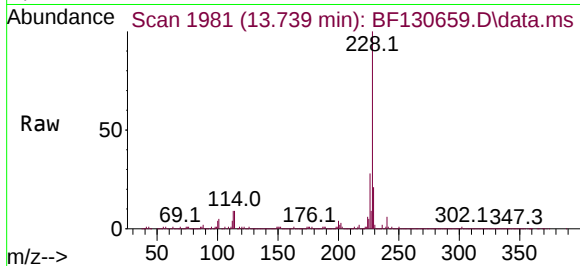
#81
Benzo(a)anthracene
Concen: 173.817 ng
RT: 13.739 min Scan# 1977
Delta R.T. 0.024 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Instrument :
BNA_F
ClientSampleId :
SU-2-101222

Tgt Ion:228 Resp: 1579508
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 21.0 15.8 23.8

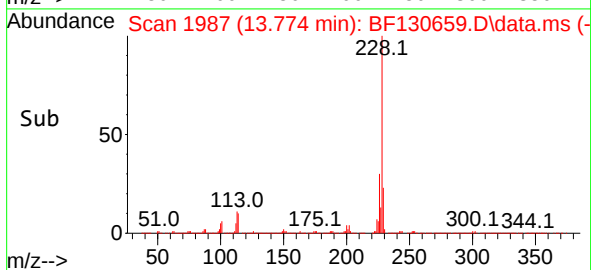
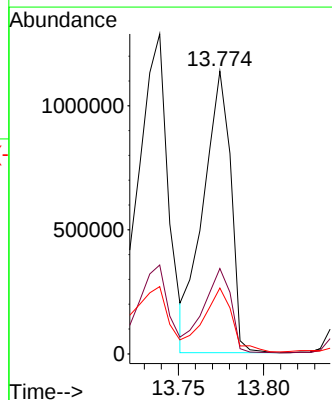
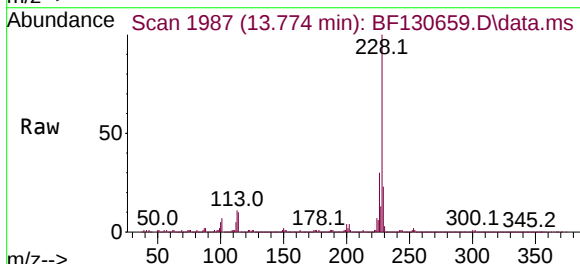
Manual Integrations
APPROVED

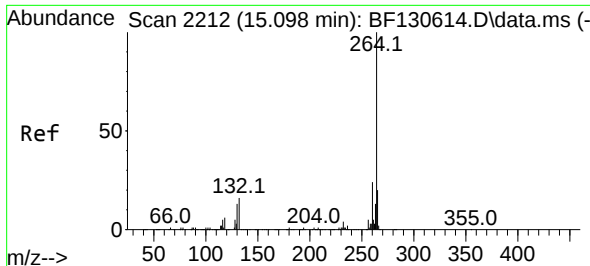
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#83
Chrysene
Concen: 148.179 ng
RT: 13.774 min Scan# 1987
Delta R.T. 0.018 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Tgt Ion:228 Resp: 1276686
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 23.3 15.9 23.9





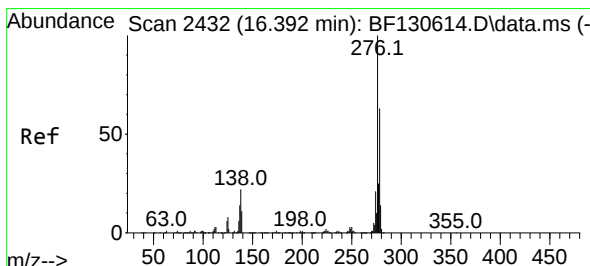
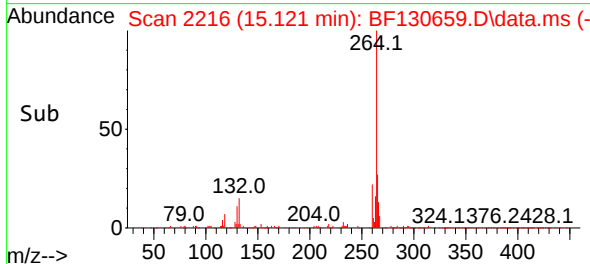
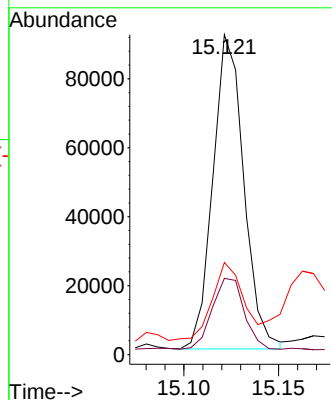
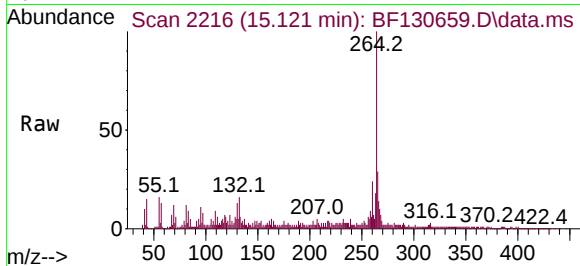
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.121 min Scan# 2212
Delta R.T. 0.024 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Instrument :
BNA_F
ClientSampleId :
SU-2-101222

Tgt Ion:264 Resp: 103359
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 28.8 16.4 24.6

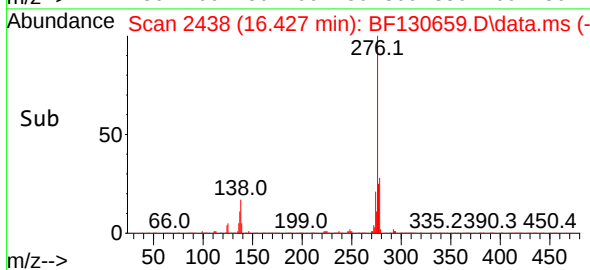
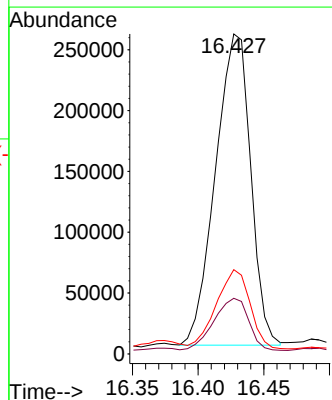
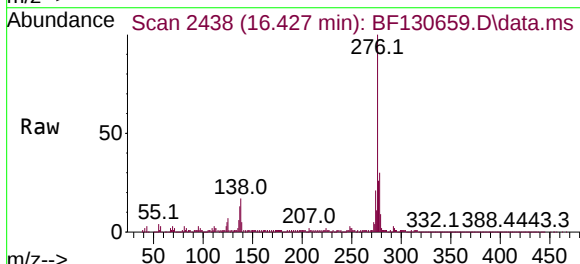
Manual Integrations
APPROVED

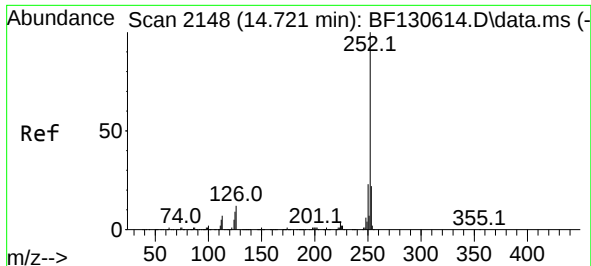
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 61.654 ng m
RT: 16.427 min Scan# 2438
Delta R.T. 0.035 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Tgt Ion:276 Resp: 476956
Ion Ratio Lower Upper
276 100
138 3.4 18.0 27.0#
277 4.4 20.0 30.0#





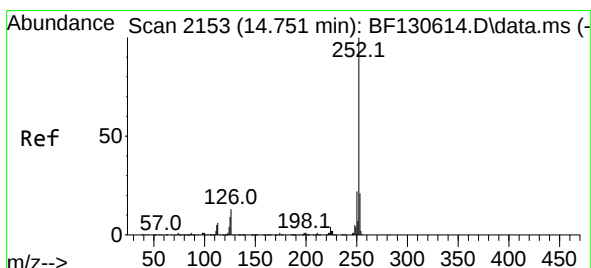
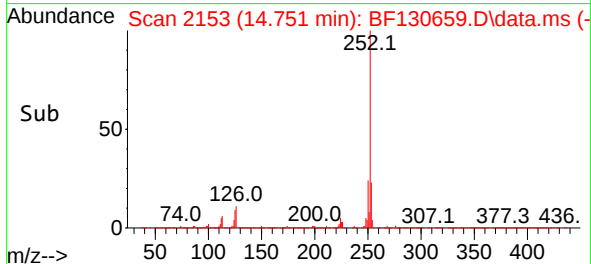
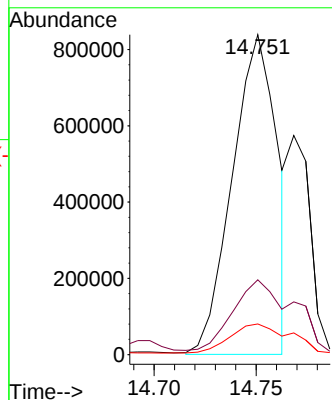
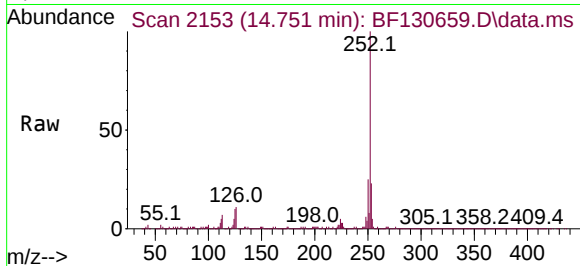
#88
Benzo(b)fluoranthene
Concen: 195.288 ng m
RT: 14.751 min Scan# 2153
Delta R.T. 0.029 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Instrument :
BNA_F
ClientSampleId :
SU-2-101222

Tgt Ion:252 Resp: 1278139
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 9.6 7.4 11.0

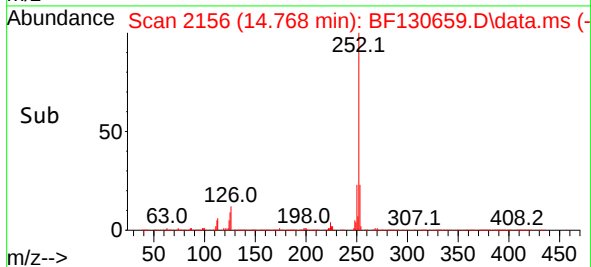
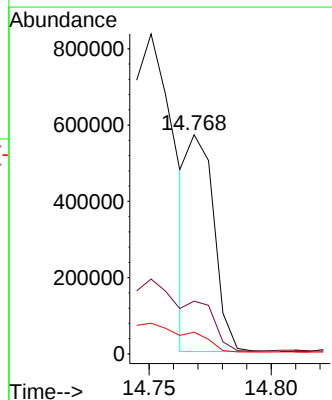
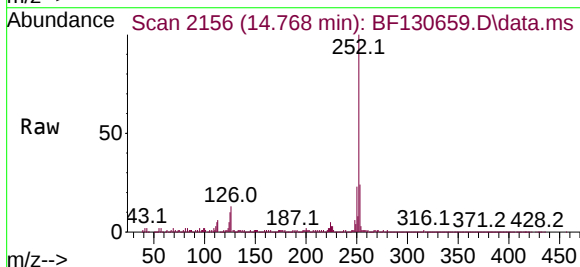
Manual Integrations
APPROVED

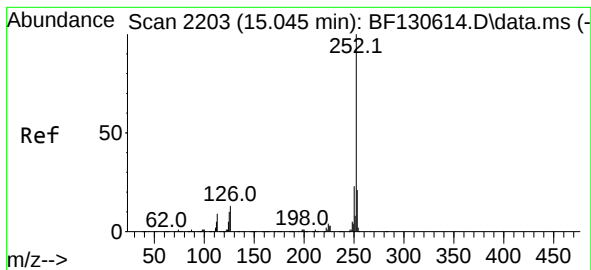
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#89
Benzo(k)fluoranthene
Concen: 62.545 ng m
RT: 14.768 min Scan# 2156
Delta R.T. 0.018 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

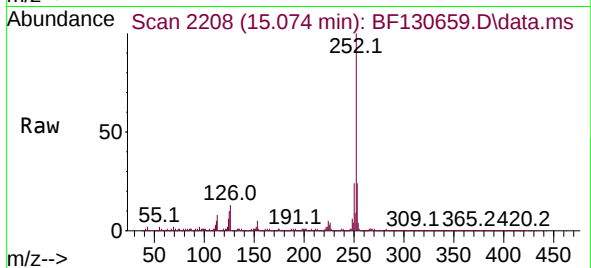
Tgt Ion:252 Resp: 416812
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 9.9 7.2 10.8





#90
Benzo(a)pyrene
Concen: 165.974 ng
RT: 15.074 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

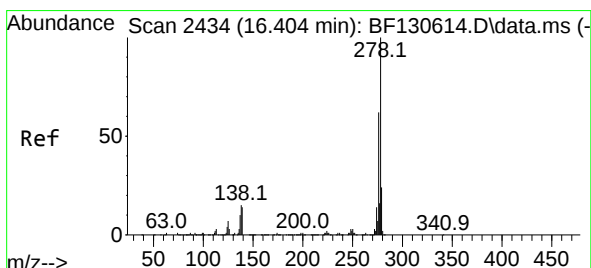
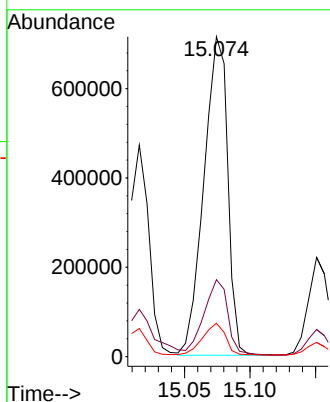
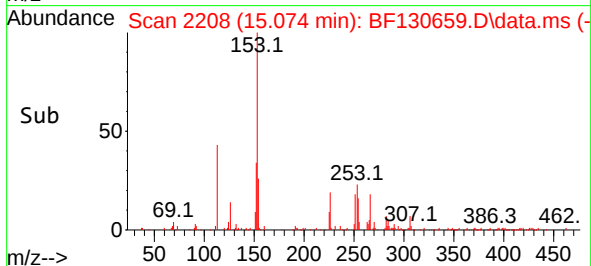
Instrument :
BNA_F
ClientSampleId :
SU-2-101222



Tgt Ion:252 Resp: 904093
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 10.4 8.4 12.6

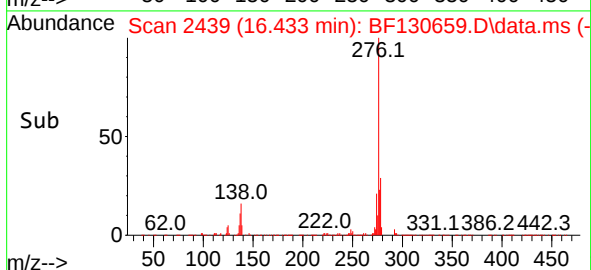
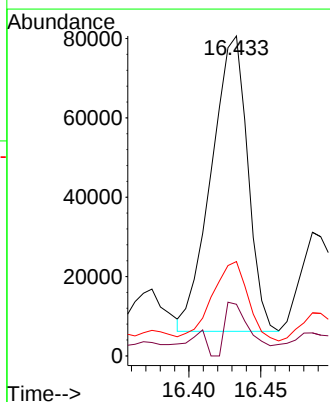
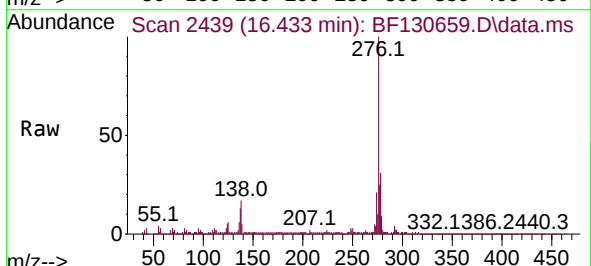
Manual Integrations
APPROVED

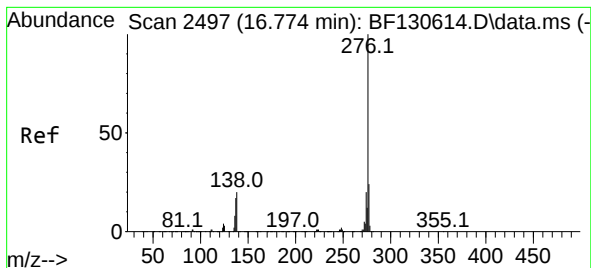
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#91
Dibenzo(a,h)anthracene
Concen: 20.732 ng m
RT: 16.433 min Scan# 2439
Delta R.T. 0.030 min
Lab File: BF130659.D
Acq: 13 Oct 2022 21:44

Tgt Ion:278 Resp: 131466
Ion Ratio Lower Upper
278 100
139 16.1 11.1 16.7
279 29.5 19.0 28.4#





#92

Benzo(g,h,i)perylene

Concen: 74.574 ng

RT: 16.821 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF130659.D

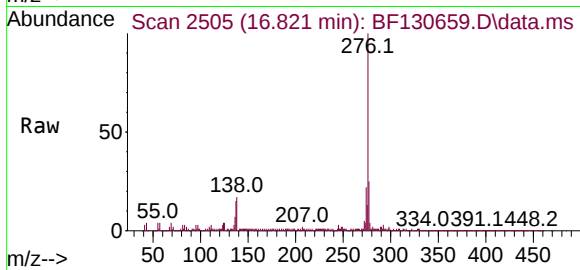
Acq: 13 Oct 2022 21:44

Instrument :

BNA_F

ClientSampleId :

SU-2-101222



Tgt Ion:	276	Resp:	440444
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.9	28.3
138	16.6	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/14/2022

Supervised By :Jagrut Upadhyay 10/14/2022

