

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130888.D
 Acq On : 31 Oct 2022 19:53
 Operator : CG\JU
 Sample : N5337-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/01/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Nov 01 02:31:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	81625	20.000	ng	0.00
21) Naphthalene-d8	8.227	136	296055	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	140013	20.000	ng	-0.01
64) Phenanthrene-d10	11.486	188	217307	20.000	ng	0.00
76) Chrysene-d12	14.139	240	154809	20.000	ng	0.00
86) Perylene-d12	15.656	264	116155	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	427089	90.708	ng	0.00
7) Phenol-d6	6.557	99	590010	96.430	ng	0.00
23) Nitrobenzene-d5	7.504	82	388751	79.179	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	86630	73.501	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	661233	71.401	ng	0.00
79) Terphenyl-d14	13.074	244	564872	66.863	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.245	128	108351	7.015	ng	99
37) 2-Methylnaphthalene	8.939	142	45312	4.664	ng	98
38) 1-Methylnaphthalene	9.039	142	30106	3.184	ng	99
52) Acenaphthene	10.021	154	181930	23.277	ng	97
55) Dibenzofuran	10.192	168	149767	13.220	ng	99
58) Fluorene	10.539	166	179776	20.153	ng	97
71) Phenanthrene	11.515	178	1683275	150.079	ng	100
72) Anthracene	11.562	178	531665	48.060	ng	100
73) Carbazole	11.710	167	216705	21.874	ng	99
75) Fluoranthene	12.715	202	1997720	167.639	ng	98
78) Pyrene	12.945	202	1738232	133.087	ng	100
81) Benzo(a)anthracene	14.127	228	881913	85.924	ng	97
83) Chrysene	14.168	228	705171	71.227	ng	98
87) Indeno(1,2,3-cd)pyrene	17.203	276	234491m	30.400	ng	
88) Benzo(b)fluoranthene	15.209	252	686919m	91.484	ng	
89) Benzo(k)fluoranthene	15.233	252	206088m	28.167	ng	
90) Benzo(a)pyrene	15.592	252	455878	75.526	ng	97
91) Dibenzo(a,h)anthracene	17.215	278	58049m	9.232	ng	
92) Benzo(g,h,i)perylene	17.674	276	228803	35.666	ng	99

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

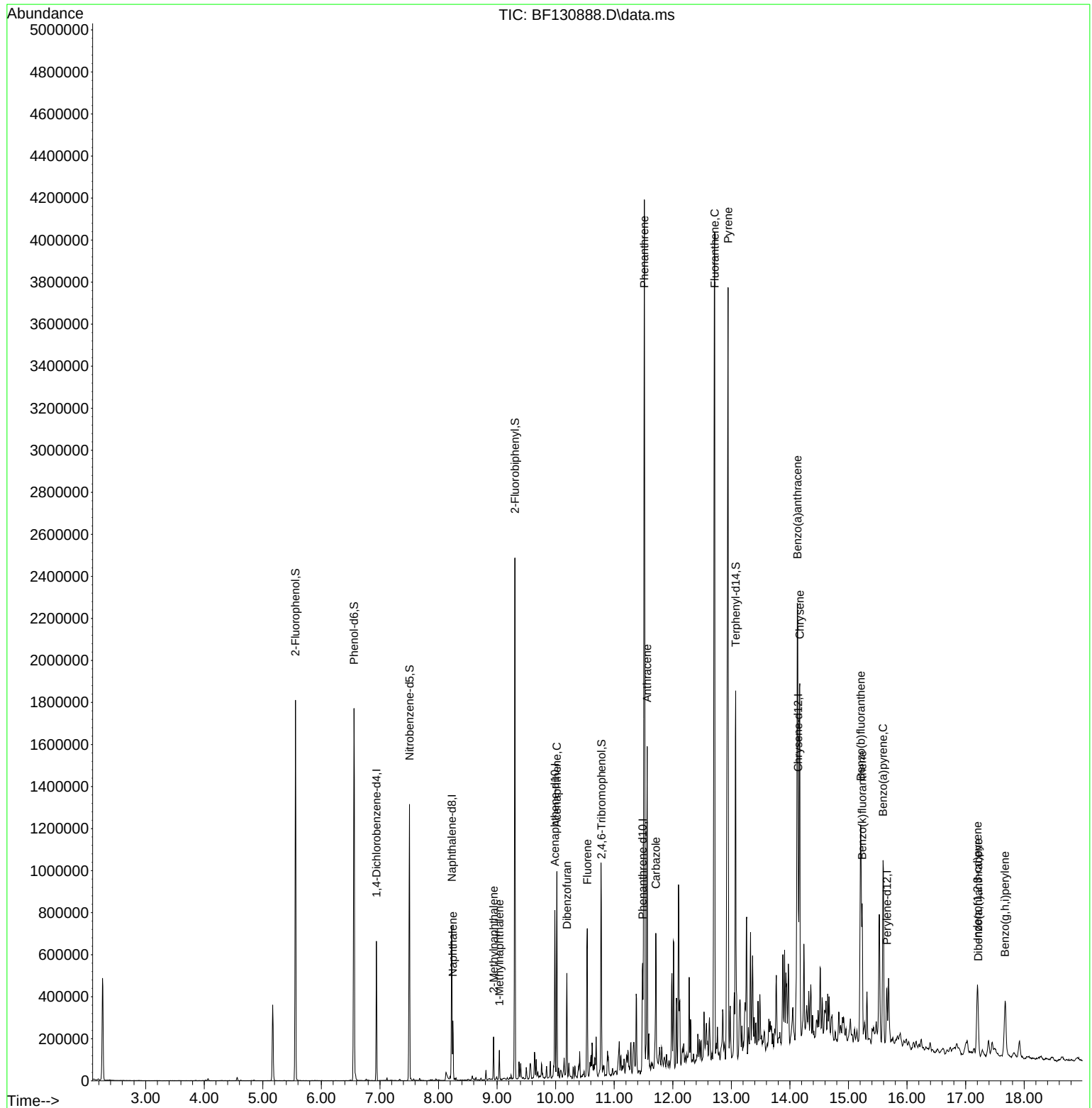
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130888.D
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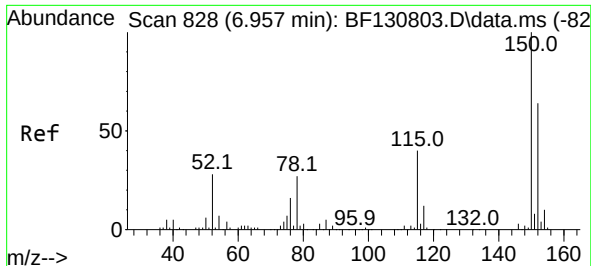
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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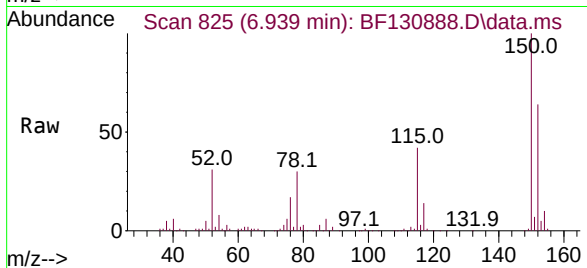
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

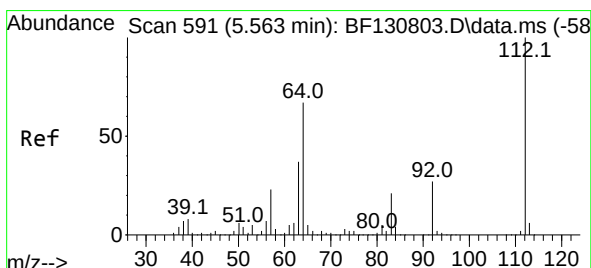
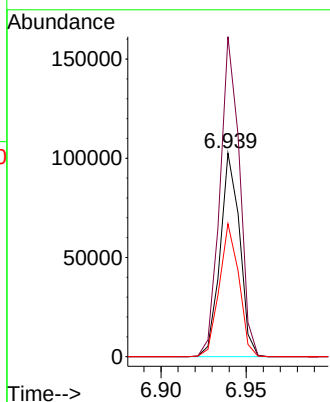
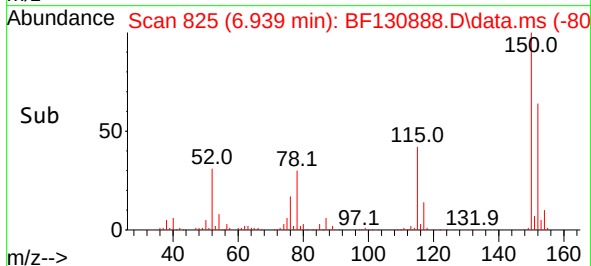
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP



Tgt Ion:152 Resp: 81625
Ion Ratio Lower Upper
152 100
150 157.3 124.1 186.1
115 65.3 50.1 75.1

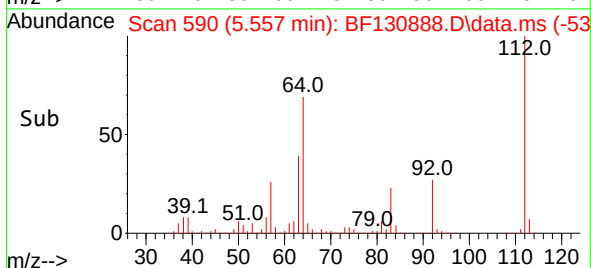
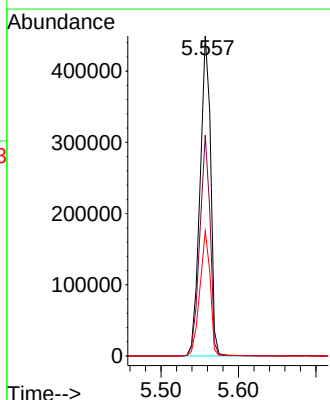
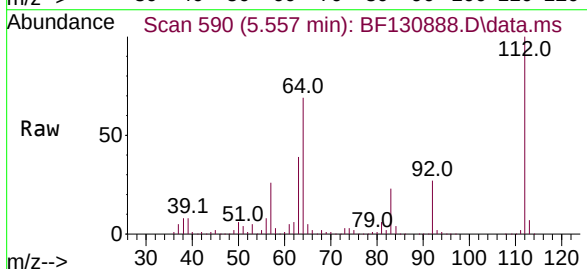
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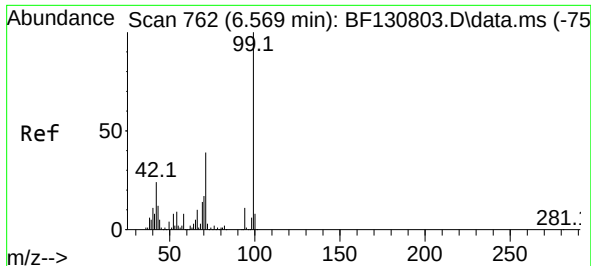
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#5
2-Fluorophenol
Concen: 90.708 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

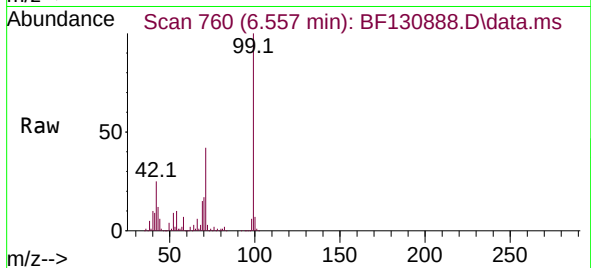
Tgt Ion:112 Resp: 427089
Ion Ratio Lower Upper
112 100
64 68.9 53.9 80.9
63 39.0 29.4 44.2





#7
Phenol-d6
Concen: 96.430 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

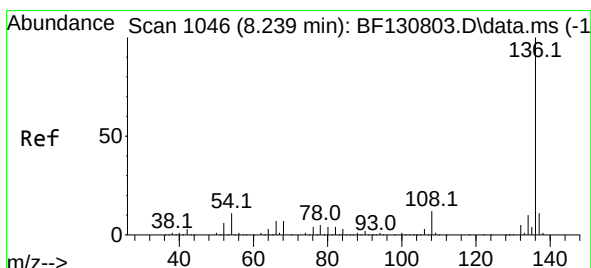
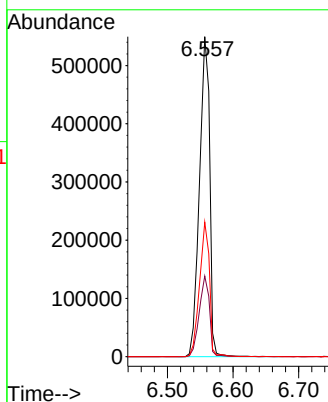
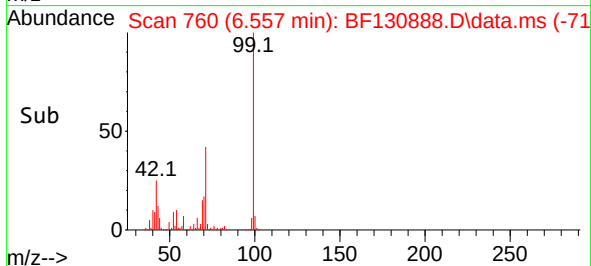
Instrument :
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Client Sample Id :
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Tgt Ion: 99 Resp: 590010
Ion Ratio Lower Upper
99 100
42 25.2 18.8 28.2
71 42.0 31.4 47.0

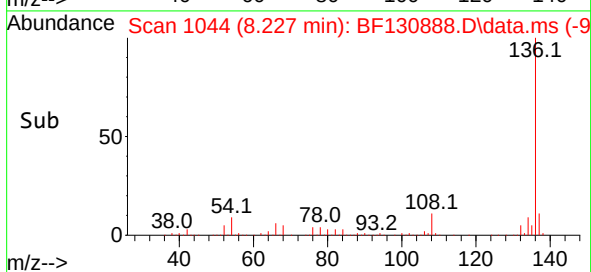
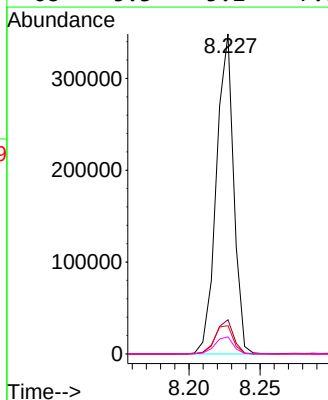
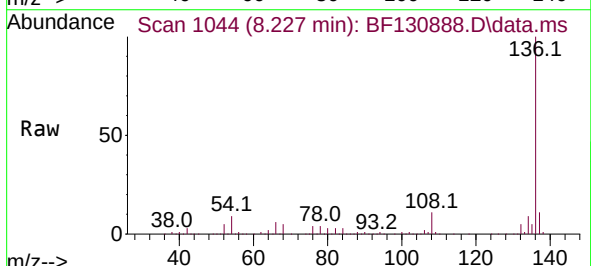
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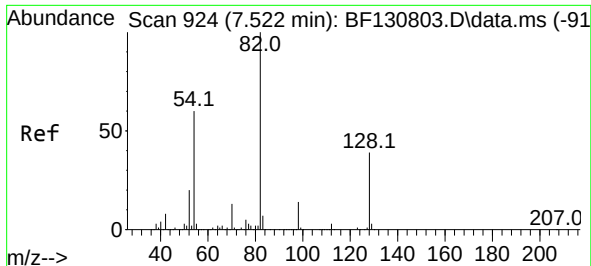
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.227 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

Tgt Ion:136 Resp: 296055
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.8 8.8 13.2
68 5.3 5.2 7.8





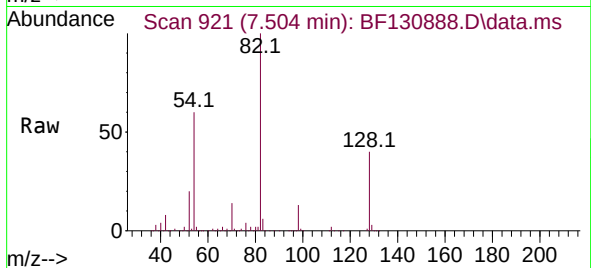
#23
Nitrobenzene-d5
Concen: 79.179 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

Instrument :

BNA_F

ClientSampleId :

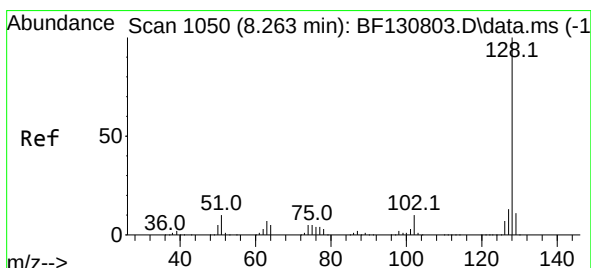
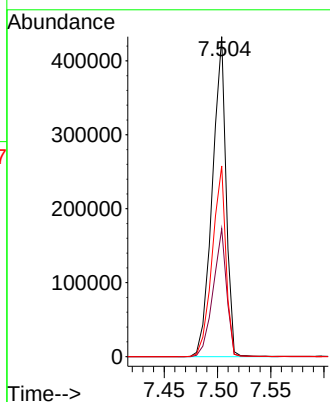
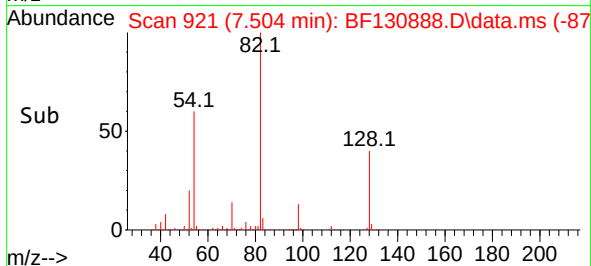
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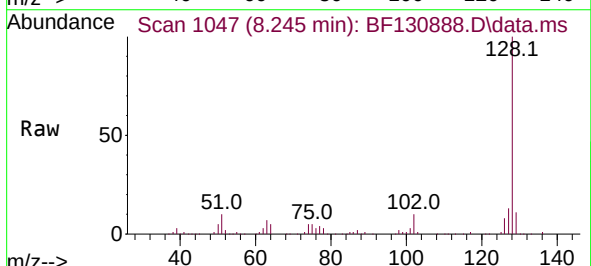
Tgt Ion: 82 Resp: 388751
Ion Ratio Lower Upper
82 100
128 40.0 31.2 46.8
54 59.6 48.0 72.0

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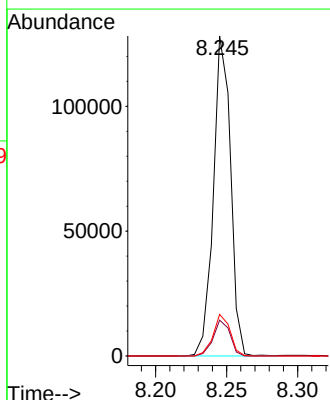
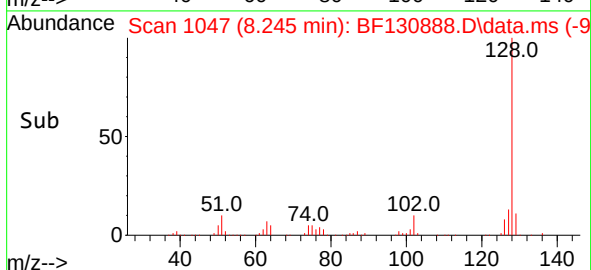
Reviewed By :Christian Giraldo 11/01/2022
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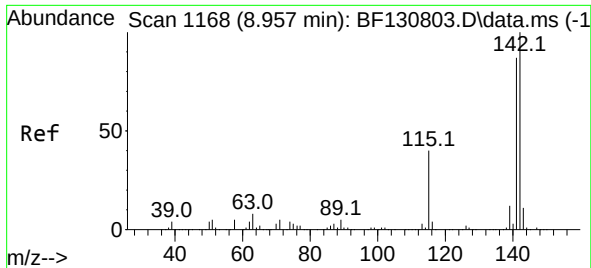


#31
Naphthalene
Concen: 7.015 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53



Tgt Ion:128 Resp: 108351
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.0 10.6 16.0





#37

2-Methylnaphthalene

Concen: 4.664 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF130888.D

Acq: 31 Oct 2022 19:53

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tgt Ion:142 Resp: 45312

Ion Ratio Lower Upper

142 100

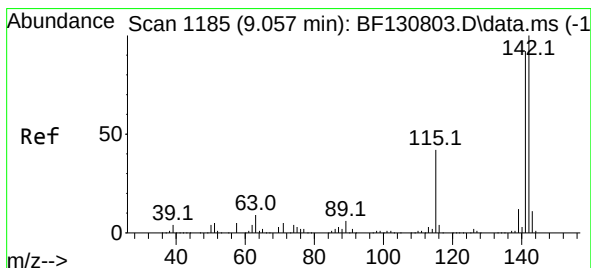
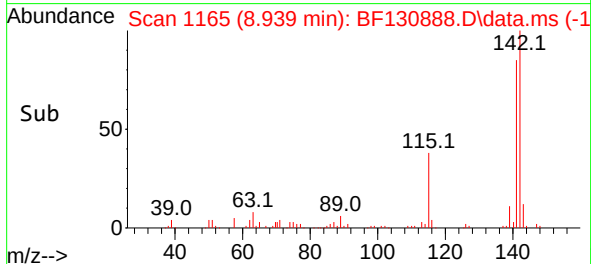
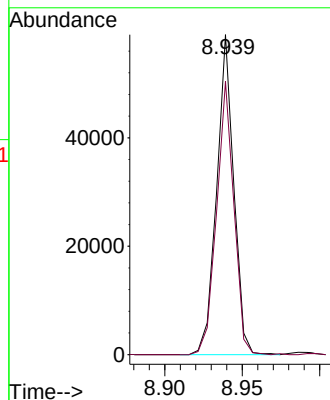
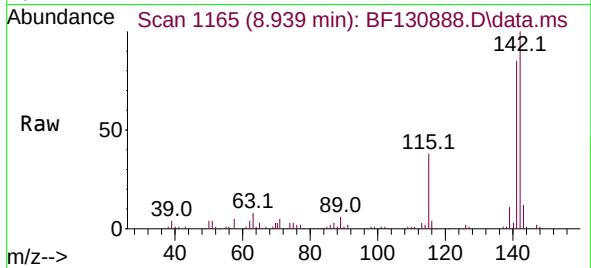
141 85.4 69.9 104.9

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 3.184 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.012 min

Lab File: BF130888.D

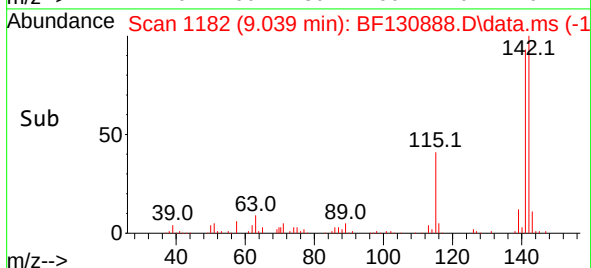
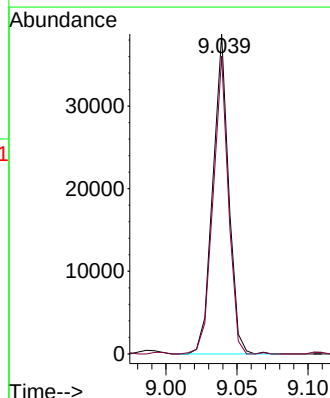
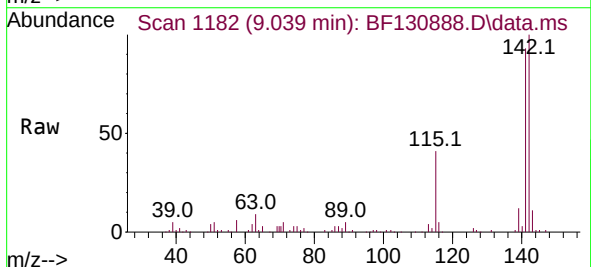
Acq: 31 Oct 2022 19:53

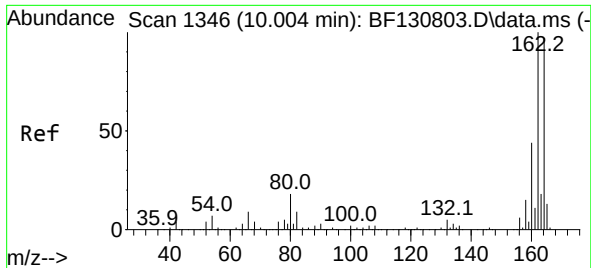
Tgt Ion:142 Resp: 30106

Ion Ratio Lower Upper

142 100

141 93.1 73.5 110.3





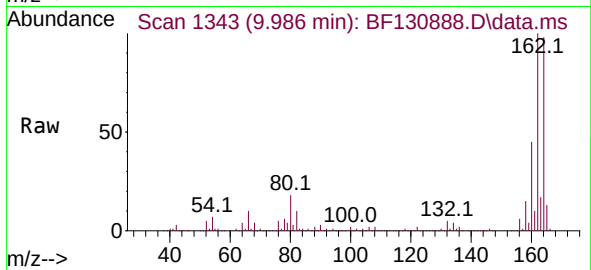
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

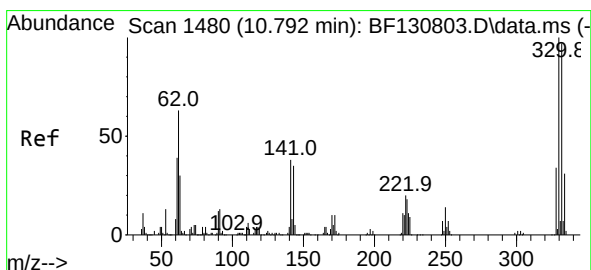
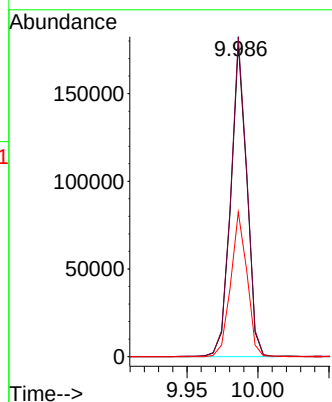
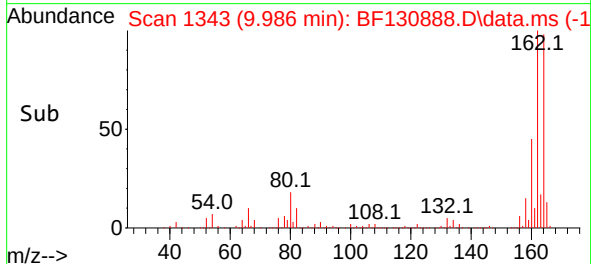


Tgt Ion:164 Resp: 140013
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.2
160 46.2 36.6 54.8

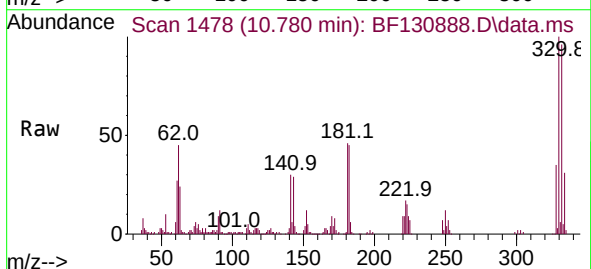
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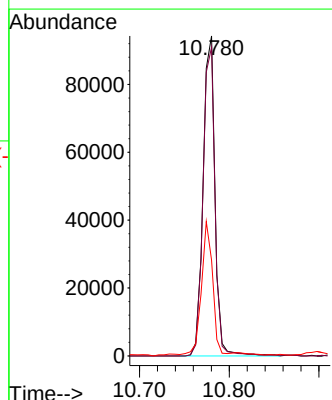
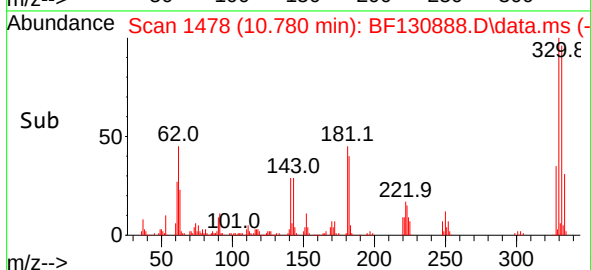
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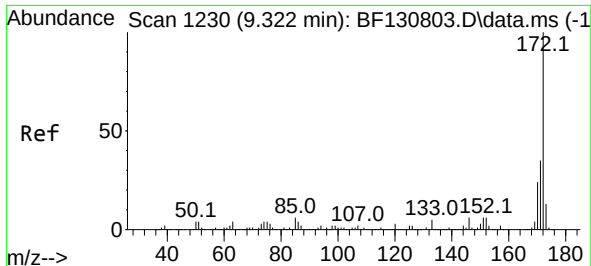


#42
2,4,6-Tribromophenol
Concen: 73.501 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53



Tgt Ion:330 Resp: 86630
Ion Ratio Lower Upper
330 100
332 97.2 76.2 114.4
141 40.6 31.4 47.0





#45
2-Fluorobiphenyl
Concen: 71.401 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

Instrument :

BNA_F

ClientSampleId :

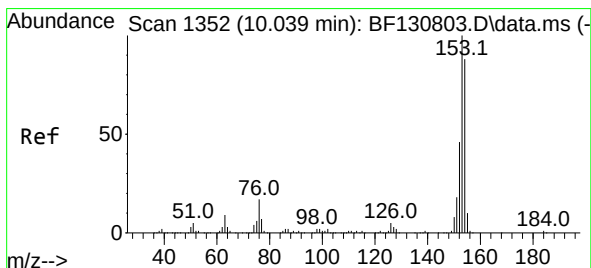
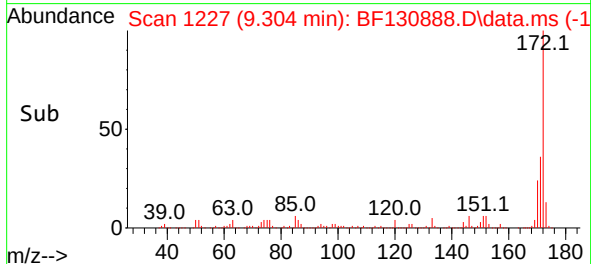
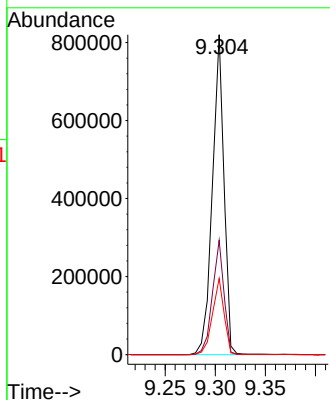
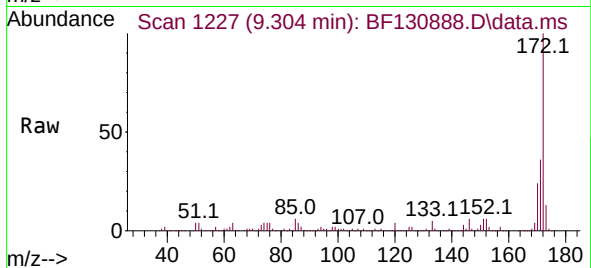
SB-03-COMP

Tgt Ion:172 Resp: 661233
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.8 19.0 28.4

Manual Integrations

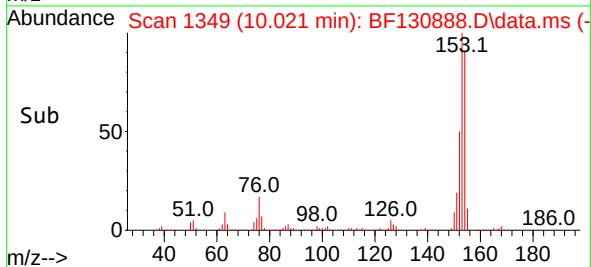
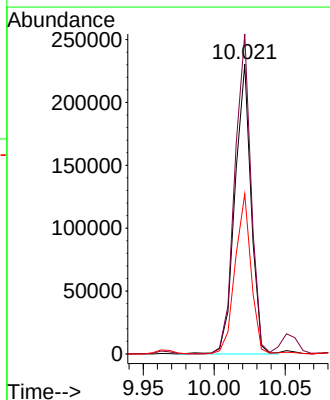
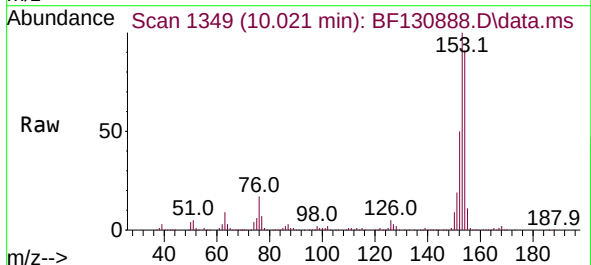
APPROVED

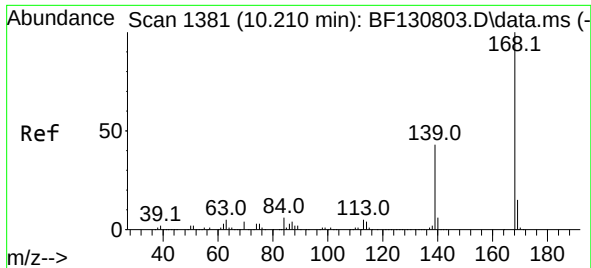
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#52
Acenaphthene
Concen: 23.277 ng
RT: 10.021 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

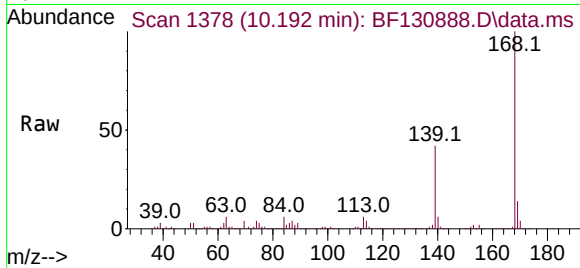
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Ion Ratio Lower Upper
154 100
153 110.4 90.5 135.7
152 55.2 42.0 63.0





#55
Dibenzofuran
Concen: 13.220 ng
RT: 10.192 min Scan# 1378
Delta R.T. -0.012 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

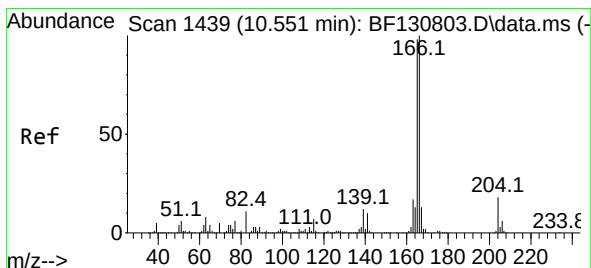
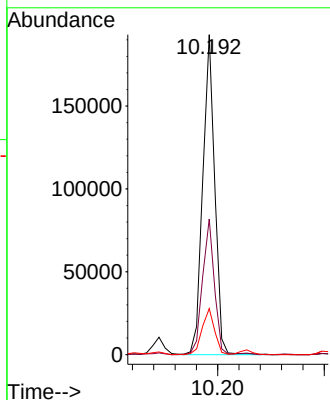
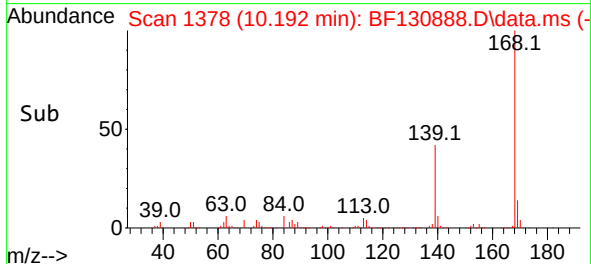
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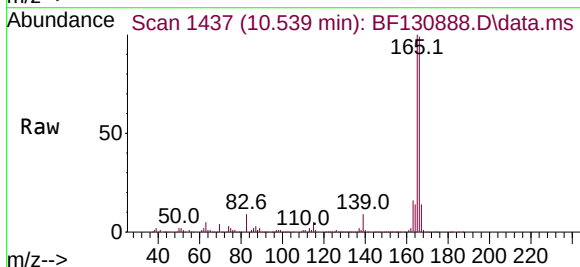
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Ion Ratio Lower Upper
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169 14.4 11.9 17.9

Manual Integrations
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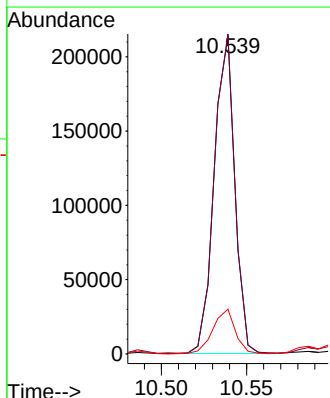
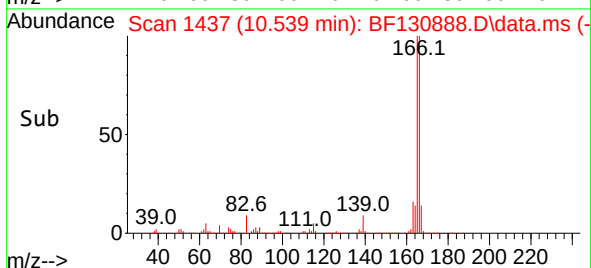
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

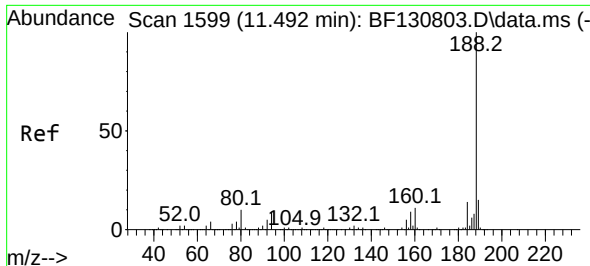


#58
Fluorene
Concen: 20.153 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53



Tgt Ion:166 Resp: 179776
Ion Ratio Lower Upper
166 100
165 100.5 78.1 117.1
167 14.0 10.4 15.6





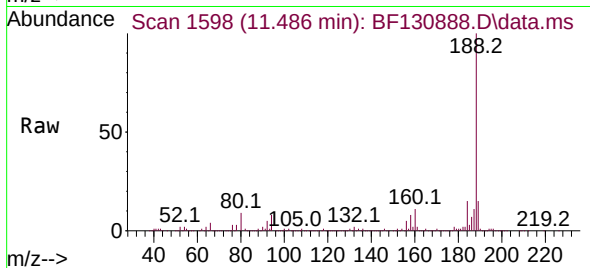
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

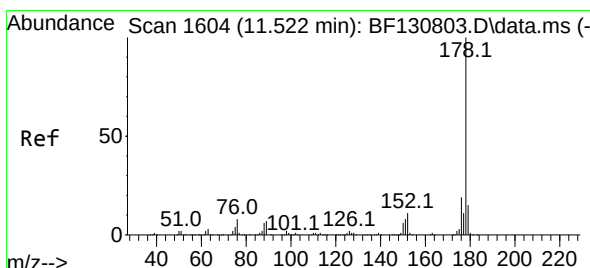
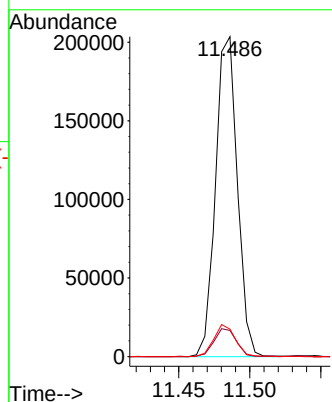
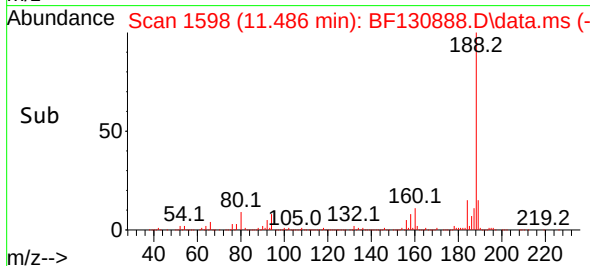


Tgt Ion:188 Resp: 217307
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 8.6 8.0 12.0

Manual Integrations

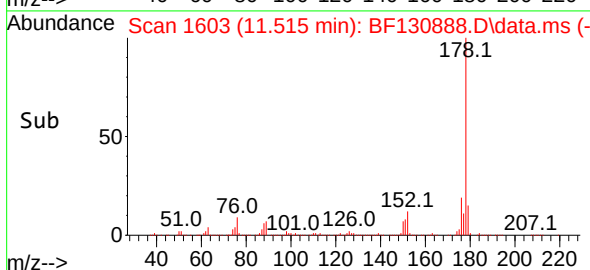
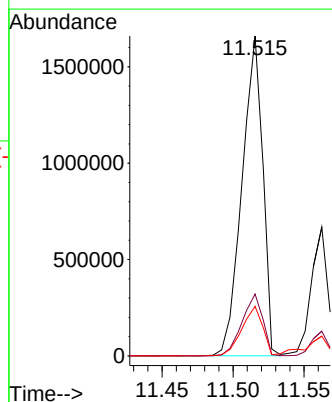
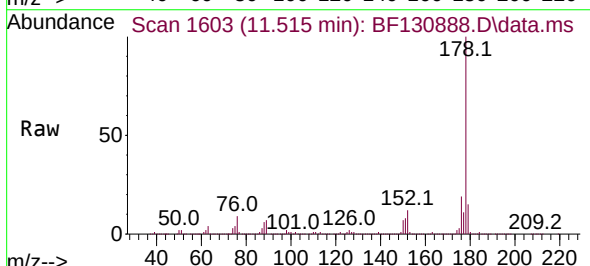
APPROVED

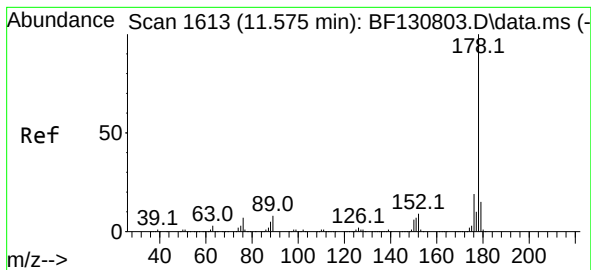
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 150.079 ng
RT: 11.515 min Scan# 1603
Delta R.T. 0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

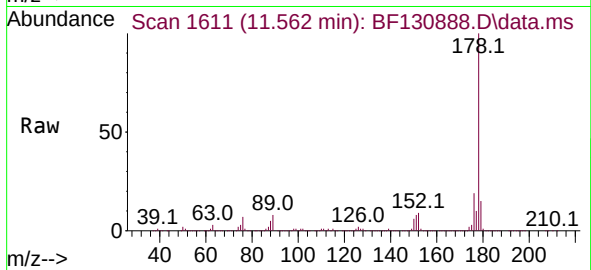
Tgt Ion:178 Resp: 1683275
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.5 12.2 18.2





#72
 Anthracene
 Concen: 48.060 ng
 RT: 11.562 min Scan# 1611
 Delta R.T. -0.000 min
 Lab File: BF130888.D
 Acq: 31 Oct 2022 19:53

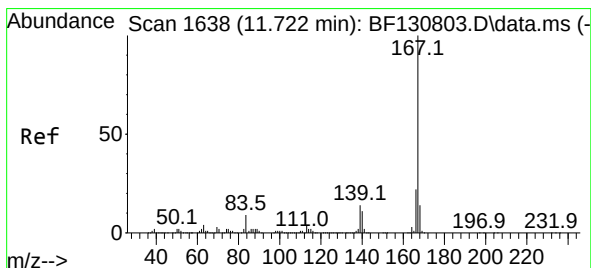
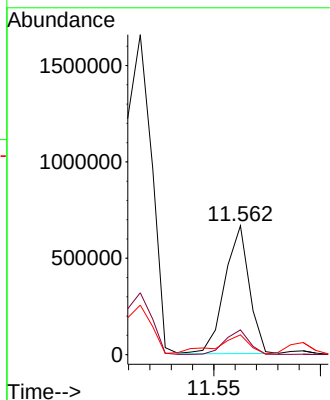
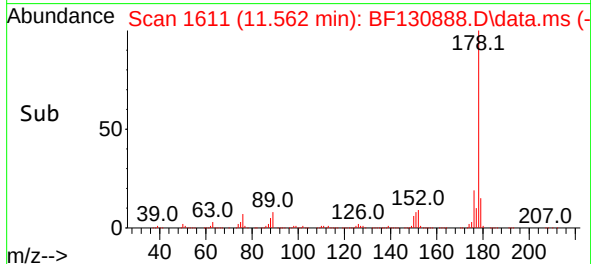
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP



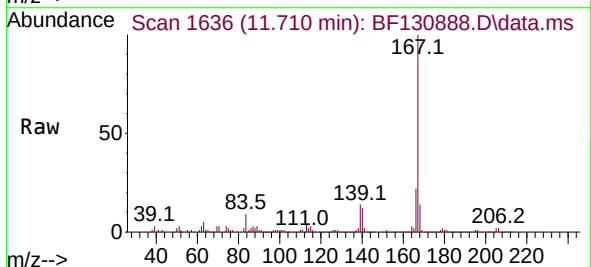
Tgt Ion:178 Resp: 531665
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.3 12.2 18.4

Manual Integrations
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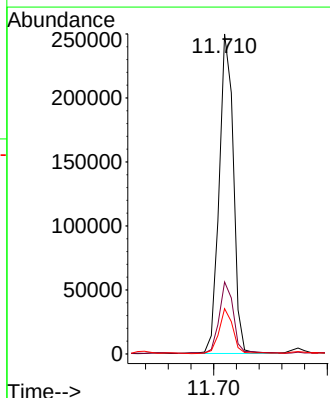
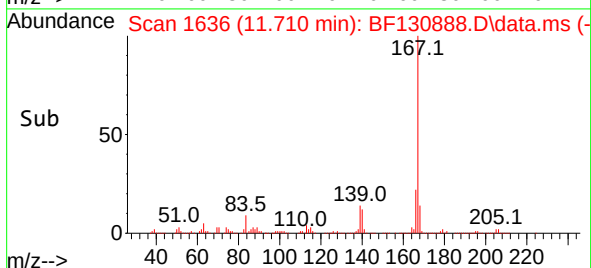
Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

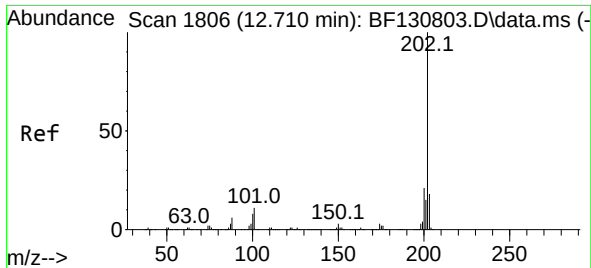


#73
 Carbazole
 Concen: 21.874 ng
 RT: 11.710 min Scan# 1636
 Delta R.T. -0.006 min
 Lab File: BF130888.D
 Acq: 31 Oct 2022 19:53



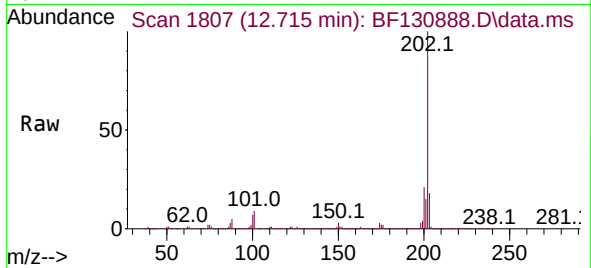
Tgt Ion:167 Resp: 216705
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.4 26.0
 139 14.1 11.3 16.9





#75
Fluoranthene
Concen: 167.639 ng
RT: 12.715 min Scan# 1806
Delta R.T. 0.011 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

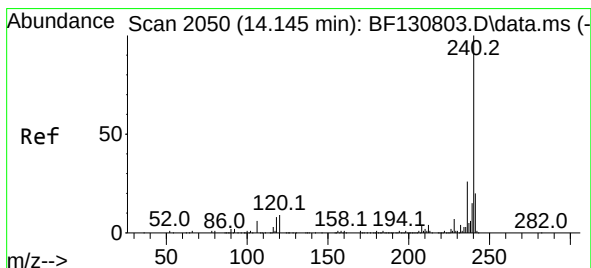
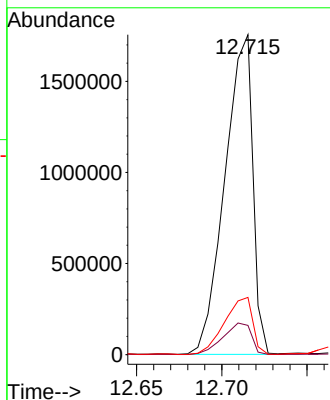
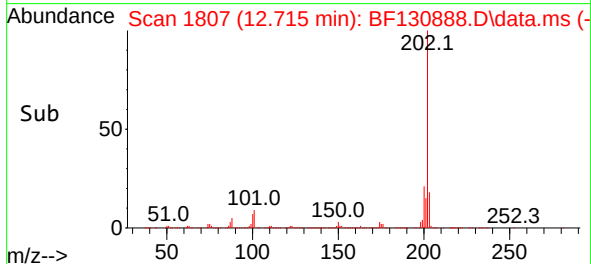
Instrument :
BNA_F
ClientSampleId :
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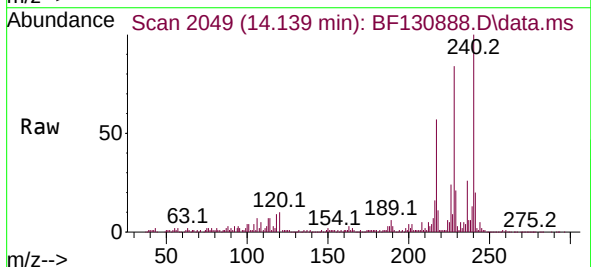
Tgt Ion:202 Resp: 1997720
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.9
203 17.9 0.0 37.7

Manual Integrations
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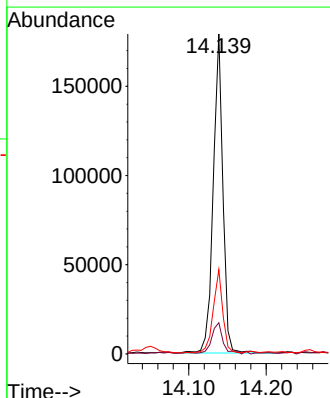
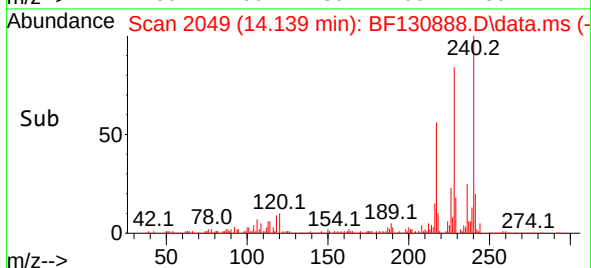
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

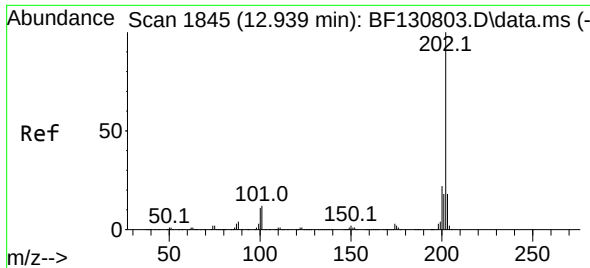


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2049
Delta R.T. 0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53



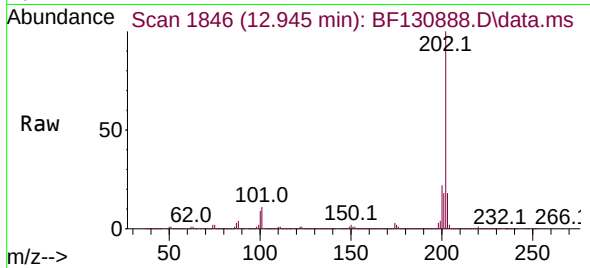
Tgt Ion:240 Resp: 154809
Ion Ratio Lower Upper
240 100
120 9.7 7.0 10.4
236 26.3 20.5 30.7





#78
Pyrene
Concen: 133.087 ng
RT: 12.945 min Scan# 1845
Delta R.T. 0.011 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

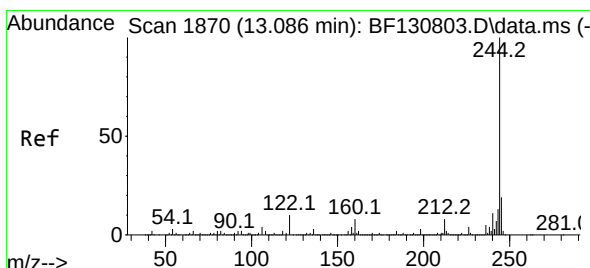
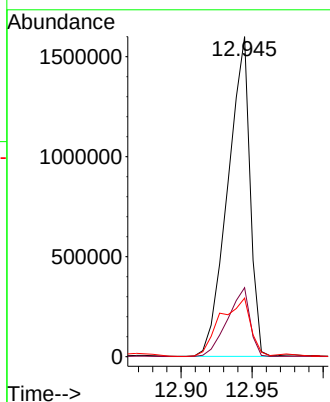
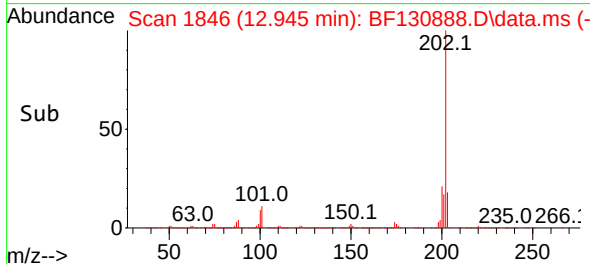
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP



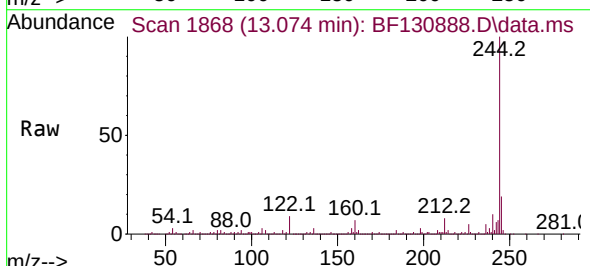
Tgt Ion:202 Resp: 1738232
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 18.3 14.5 21.7

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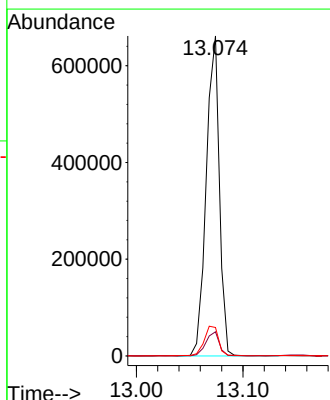
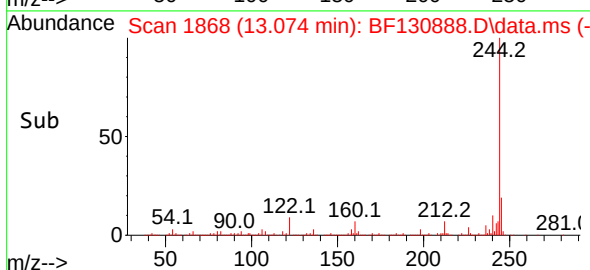
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

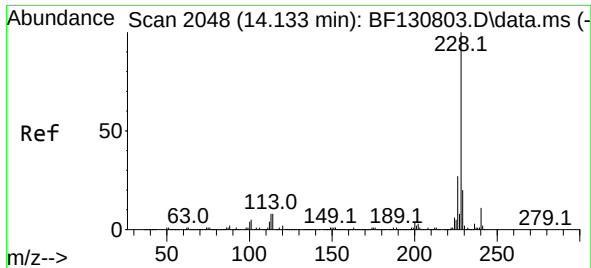


#79
Terphenyl-d14
Concen: 66.863 ng
RT: 13.074 min Scan# 1868
Delta R.T. -0.000 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53



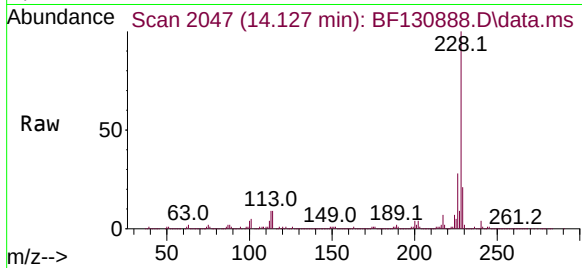
Tgt Ion:244 Resp: 564872
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 8.9 7.9 11.9





#81
Benzo(a)anthracene
Concen: 85.924 ng
RT: 14.127 min Scan# 2047
Delta R.T. 0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

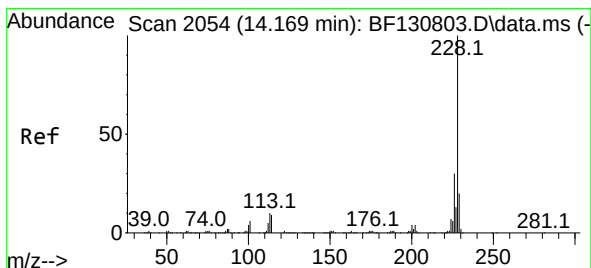
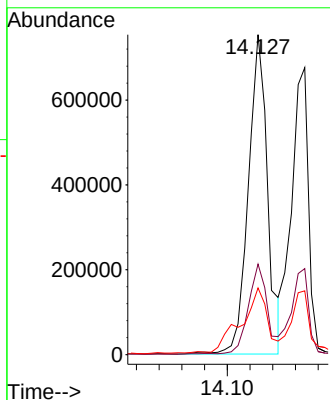
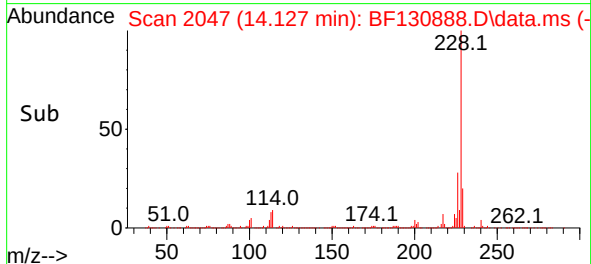
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP



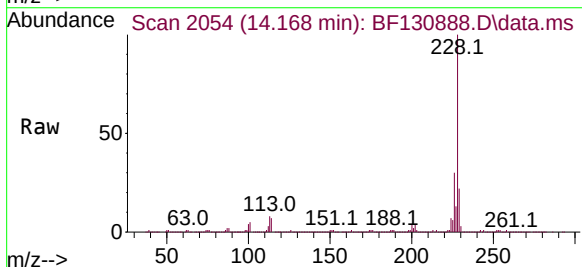
Tgt Ion:228 Resp: 881913
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.2
229 20.8 15.8 23.6

Manual Integrations
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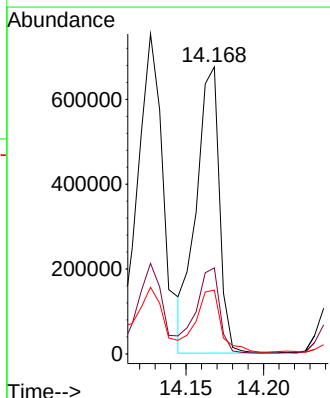
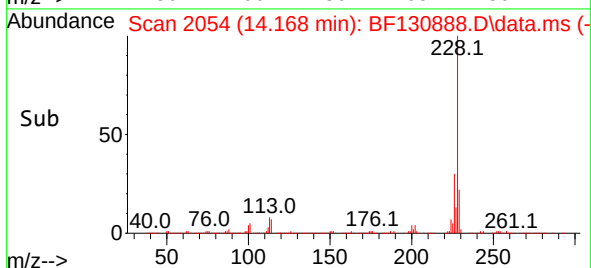
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

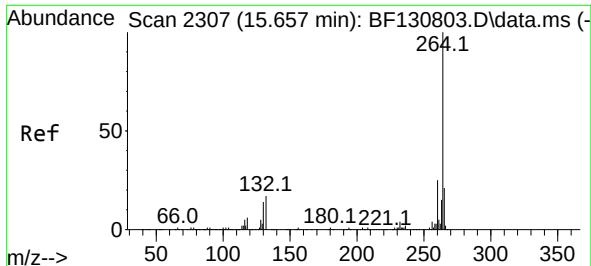


#83
Chrysene
Concen: 71.227 ng
RT: 14.168 min Scan# 2054
Delta R.T. 0.011 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53



Tgt Ion:228 Resp: 705171
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 22.2 15.8 23.6





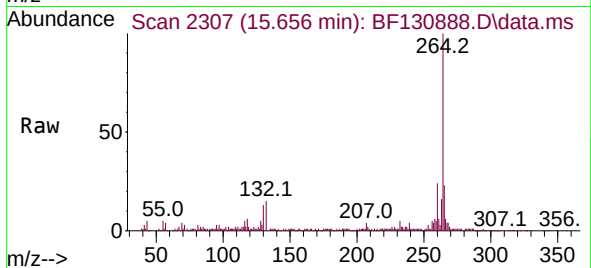
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.656 min Scan# 2307
Delta R.T. 0.011 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

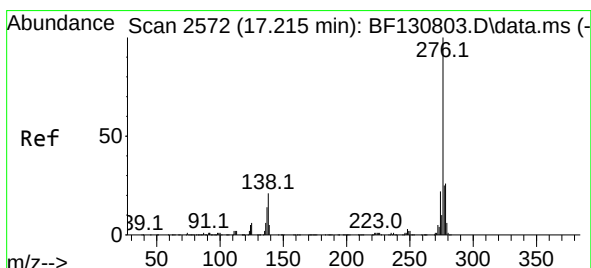
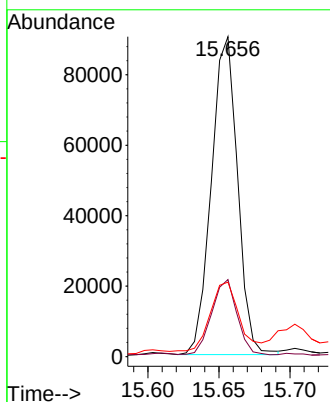
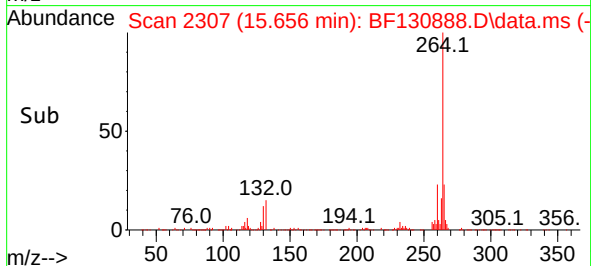


Tgt Ion:264 Resp: 11615
Ion Ratio Lower Upper
264 100
260 24.1 19.9 29.9
265 23.3 17.0 25.6

Manual Integrations

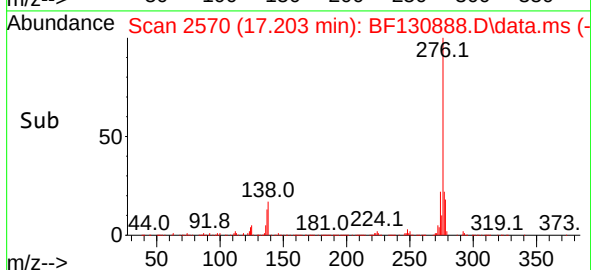
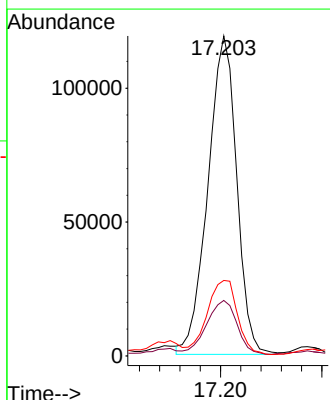
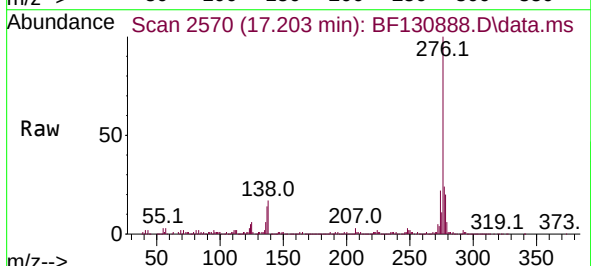
APPROVED

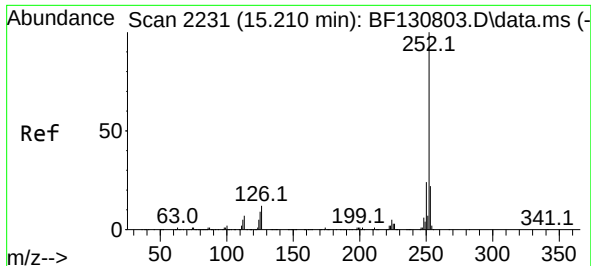
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 30.400 ng m
RT: 17.203 min Scan# 2570
Delta R.T. 0.011 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

Tgt Ion:276 Resp: 234491
Ion Ratio Lower Upper
276 100
138 3.6 19.1 28.7#
277 5.3 20.1 30.1#





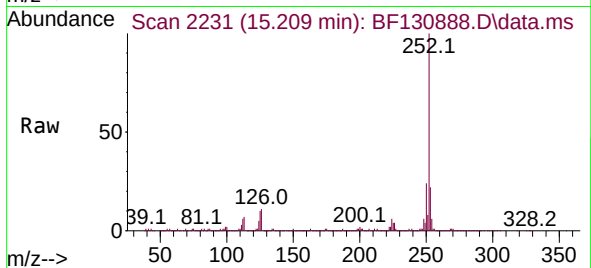
#88
Benzo(b)fluoranthene
Concen: 91.484 ng m
RT: 15.209 min Scan# 2231
Delta R.T. 0.011 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

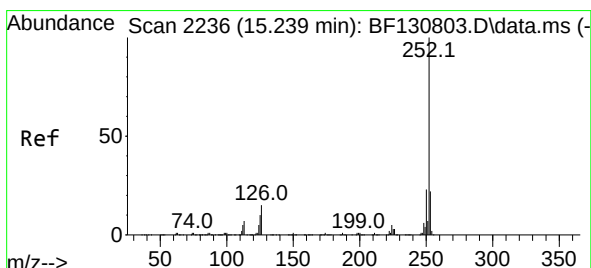
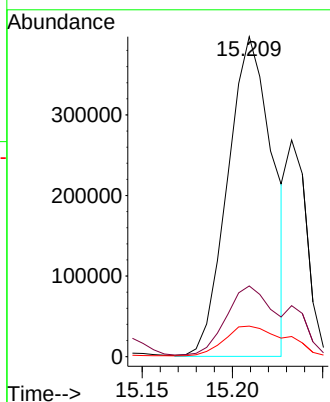
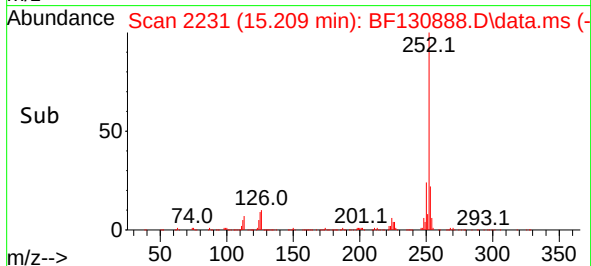


Tgt Ion:252 Resp: 686919
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 9.5 7.0 10.4

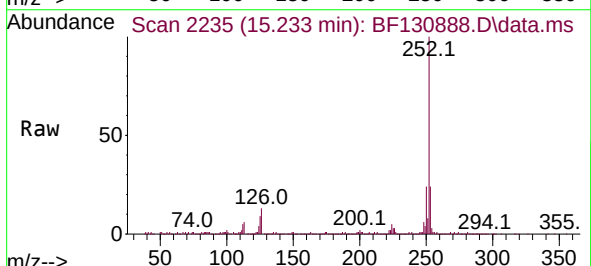
Manual Integrations

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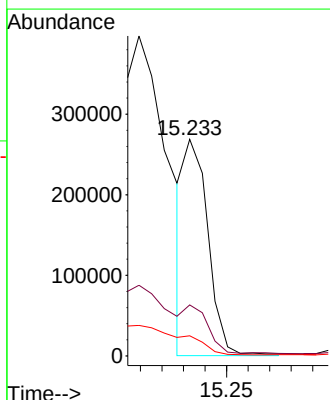
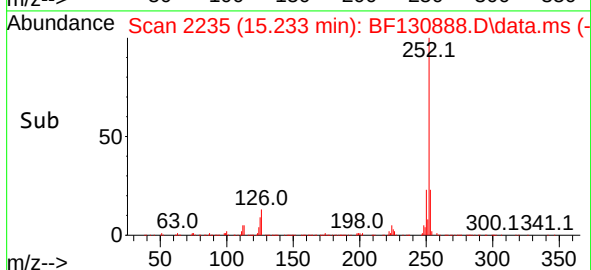
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

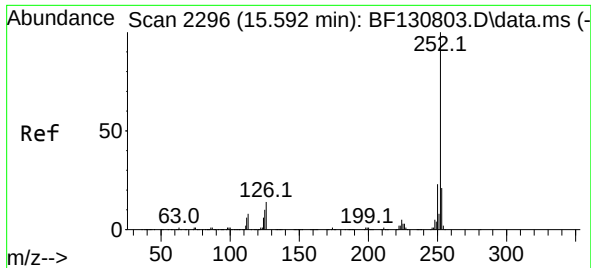


#89
Benzo(k)fluoranthene
Concen: 28.167 ng m
RT: 15.233 min Scan# 2235
Delta R.T. 0.006 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53



Tgt Ion:252 Resp: 206088
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 9.3 8.0 12.0





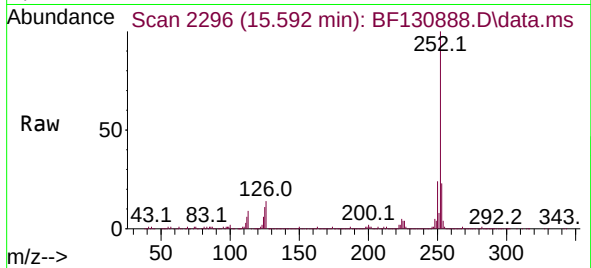
#90
Benzo(a)pyrene
Concen: 75.526 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.011 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

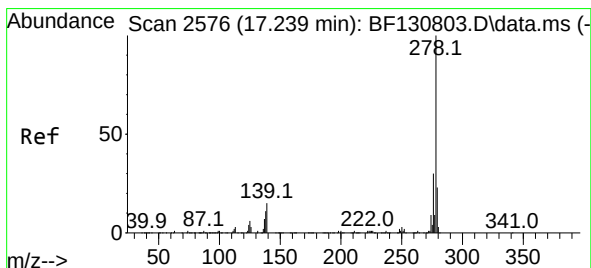
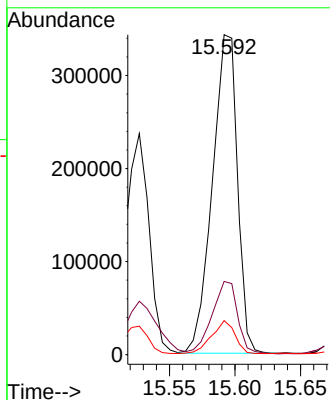
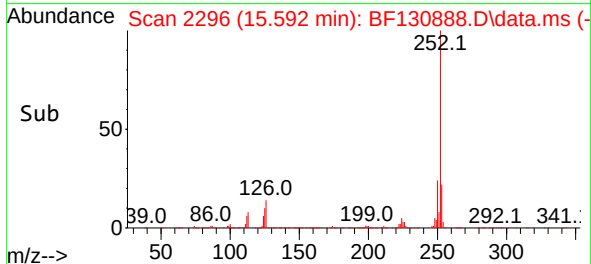


Tgt Ion:252 Resp: 455878
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 10.6 8.3 12.5

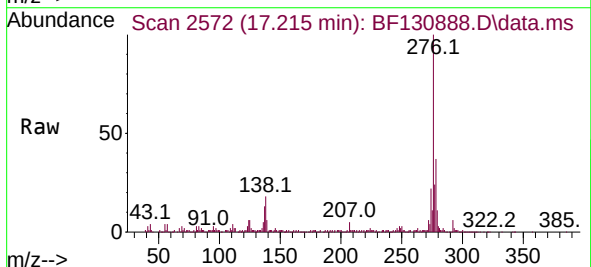
Manual Integrations

APPROVED

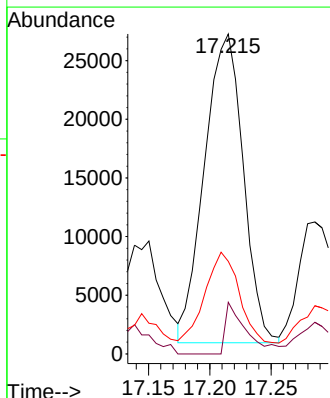
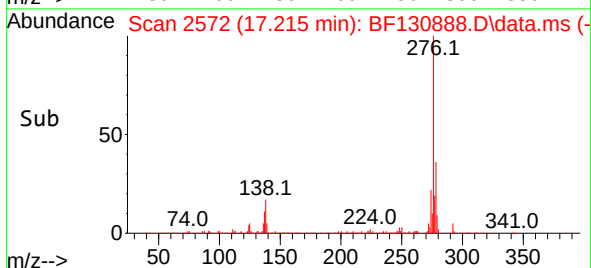
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

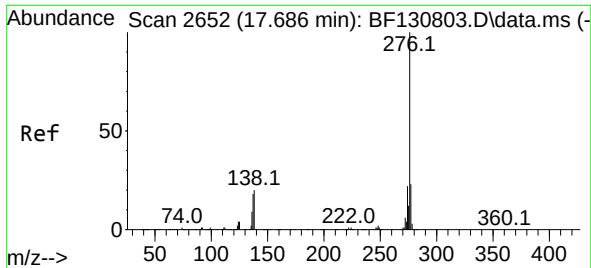


#91
Dibenzo(a,h)anthracene
Concen: 9.232 ng m
RT: 17.215 min Scan# 2572
Delta R.T. -0.000 min
Lab File: BF130888.D
Acq: 31 Oct 2022 19:53



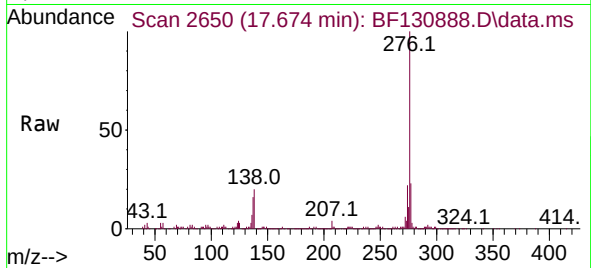
Tgt Ion:278 Resp: 58049
Ion Ratio Lower Upper
278 100
139 16.1 11.9 17.9
279 28.9 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 35.666 ng
 RT: 17.674 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF130888.D
 Acq: 31 Oct 2022 19:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP



Tgt Ion: 276 Resp: 228803
 Ion Ratio Lower Upper
 276 100
 277 23.1 18.8 28.2
 138 20.0 16.3 24.5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/01/2022
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