

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082922\
 Data File : BF130046.D
 Acq On : 29 Aug 2022 21:40
 Operator : CG\JU
 Sample : N4375-04DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/30/2022
 Supervised By : Jagrut Upadhyay 08/30/2022

Quant Time: Aug 30 01:32:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 30 01:22:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.698	152	138886	20.000	ng	0.00
21) Naphthalene-d8	7.981	136	561123	20.000	ng	0.00
39) Acenaphthene-d10	9.733	164	287823	20.000	ng	0.00
64) Phenanthrene-d10	11.222	188	426841	20.000	ng	0.00
76) Chrysene-d12	13.868	240	262618	20.000	ng	0.00
86) Perylene-d12	15.298	264	314283	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	158256	18.866	ng	0.01
7) Phenol-d6	6.375	99	199345	18.977	ng	0.00
23) Nitrobenzene-d5	7.275	82	127053	12.121	ng	0.00
42) 2,4,6-Tribromophenol	10.533	330	41431	14.342	ng	0.00
45) 2-Fluorobiphenyl	9.057	172	236742	12.493	ng	0.00
79) Terphenyl-d14	12.804	244	165889	10.511	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.769	154	60403	3.795	ng	96
58) Fluorene	10.286	166	61966	3.104	ng	100
71) Phenanthrene	11.245	178	344404	14.447	ng	99
72) Anthracene	11.304	178	70935	2.992	ng	99
75) Fluoranthene	12.439	202	613300	25.141	ng	100
78) Pyrene	12.669	202	543232	23.804	ng	99
81) Benzo(a)anthracene	13.863	228	253066	14.008	ng	99
83) Chrysene	13.898	228	184163m	10.890	ng	
87) Indeno(1,2,3-cd)pyrene	16.721	276	61346	2.843	ng	94
88) Benzo(b)fluoranthene	14.892	252	282093m	13.108	ng	
89) Benzo(k)fluoranthene	14.915	252	96508m	4.676	ng	
90) Benzo(a)pyrene	15.245	252	148405	8.757	ng	99
92) Benzo(g,h,i)perylene	17.151	276	46119	2.597	ng	95

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

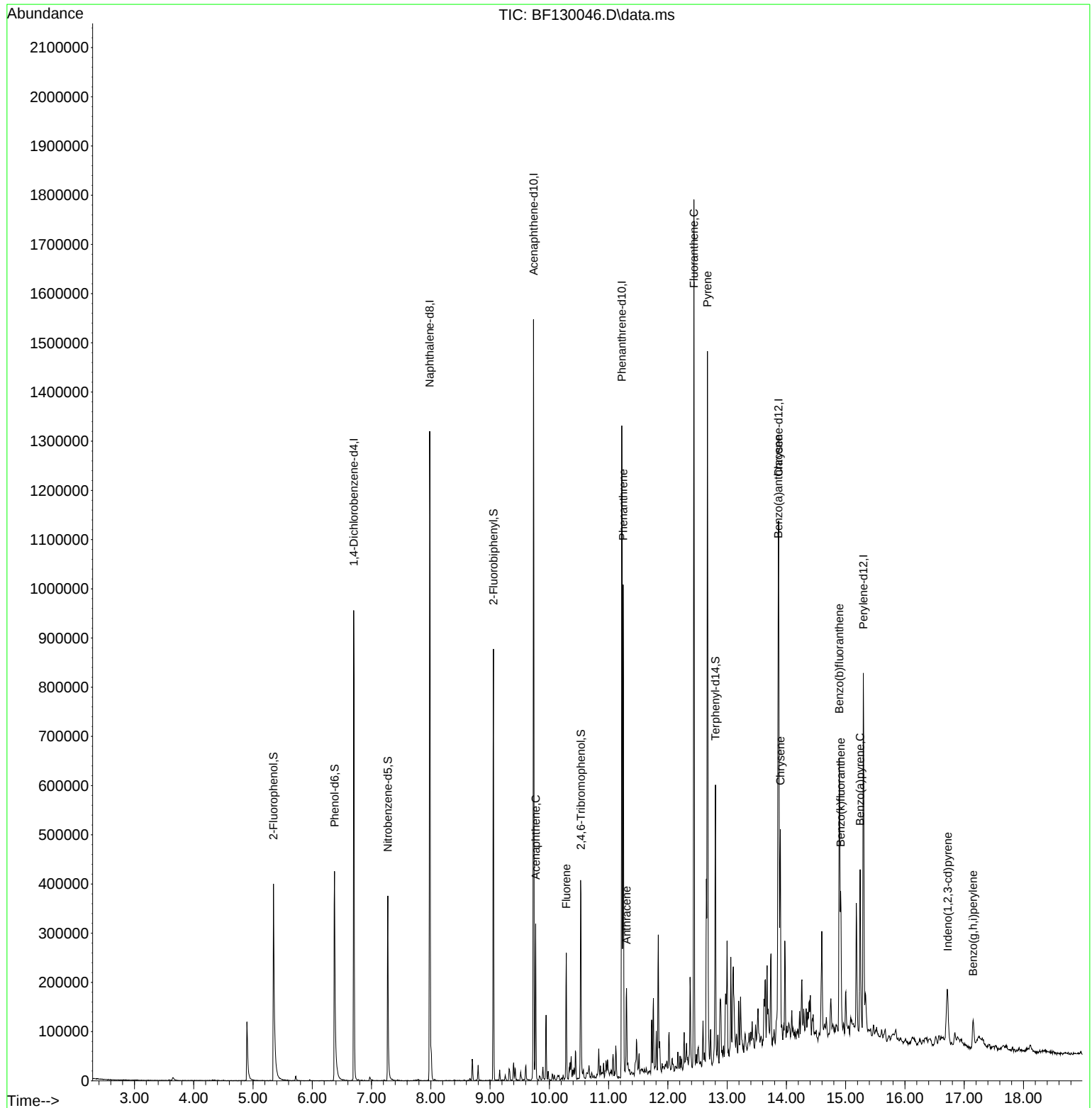
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082922\
Data File : BF130046.D
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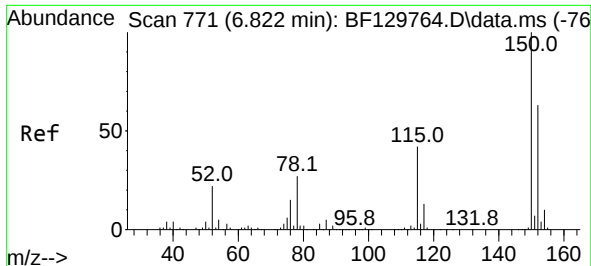
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
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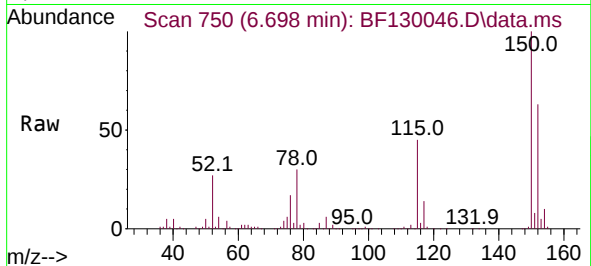
Reviewed By :Christian Giraldo 08/30/2022
Supervised By :Jagrut Upadhyay 08/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.698 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

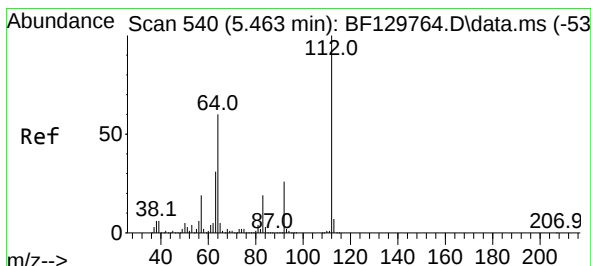
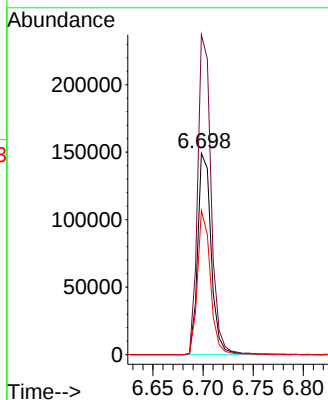
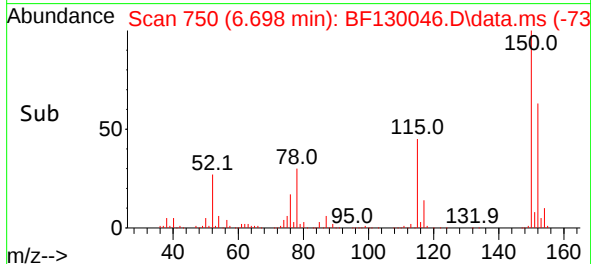
Instrument :
BNA_F
ClientSampleId :
WC-2DL



Tgt Ion:152 Resp: 138886
Ion Ratio Lower Upper
152 100
150 158.9 126.9 190.3
115 71.6 53.4 80.0

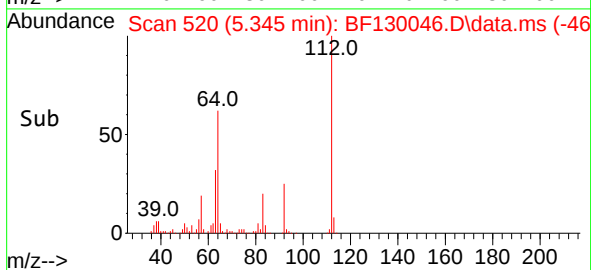
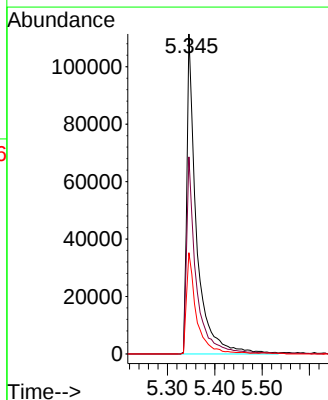
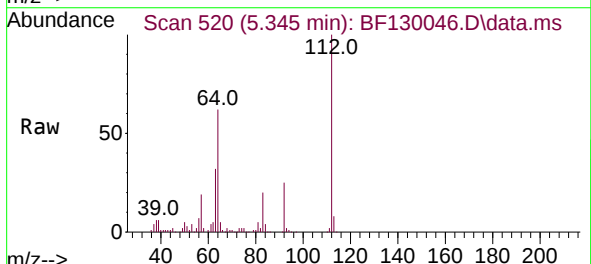
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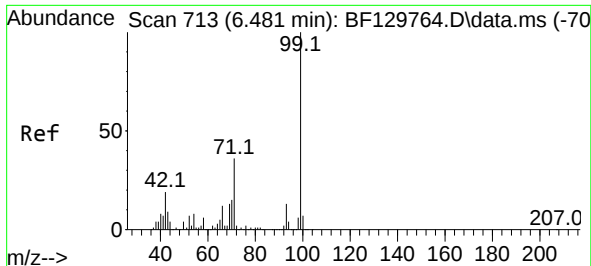
Reviewed By :Christian Giraldo 08/30/2022
Supervised By :Jagrut Upadhyay 08/30/2022



#5
2-Fluorophenol
Concen: 18.866 ng
RT: 5.345 min Scan# 520
Delta R.T. 0.012 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

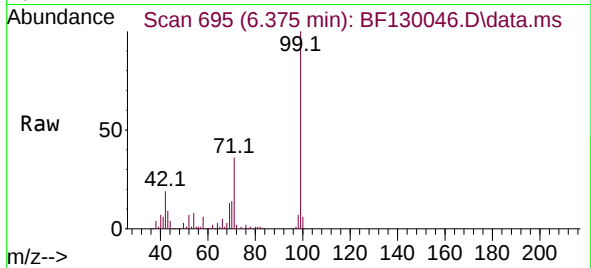
Tgt Ion:112 Resp: 158256
Ion Ratio Lower Upper
112 100
64 61.6 47.6 71.4
63 31.6 24.6 37.0





#7
Phenol-d6
Concen: 18.977 ng
RT: 6.375 min Scan# 64
Delta R.T. 0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

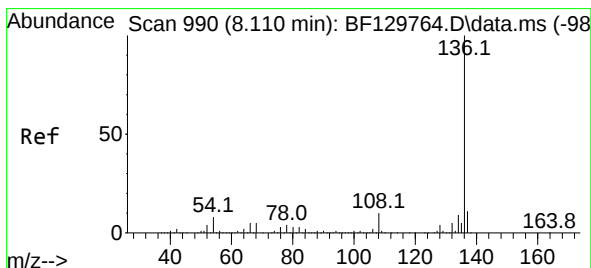
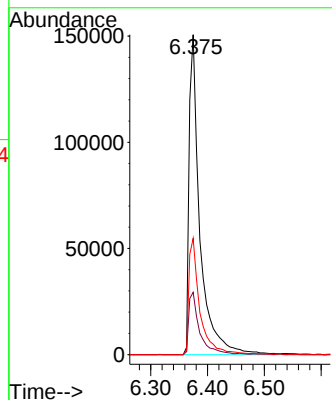
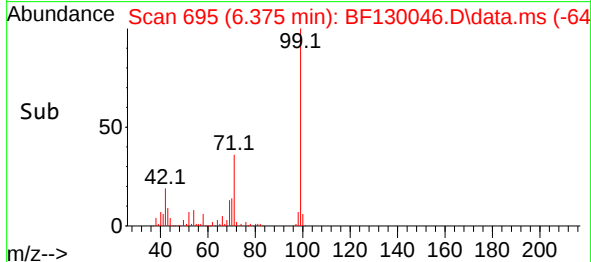
Instrument :
BNA_F
ClientSampleId :
WC-2DL



Tgt Ion: 99 Resp: 199345
Ion Ratio Lower Upper
99 100
42 19.5 15.0 22.4
71 36.3 28.8 43.2

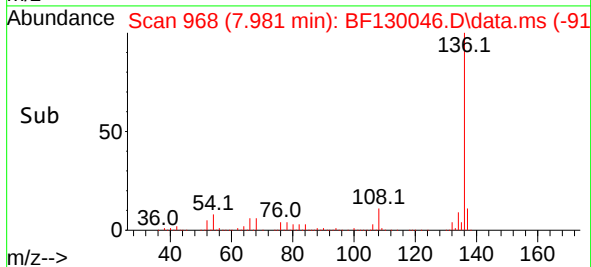
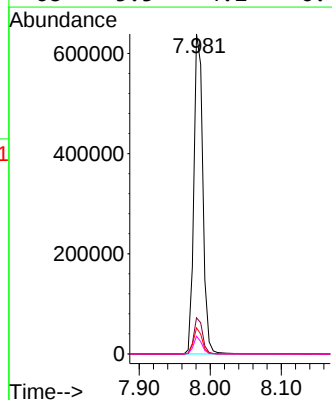
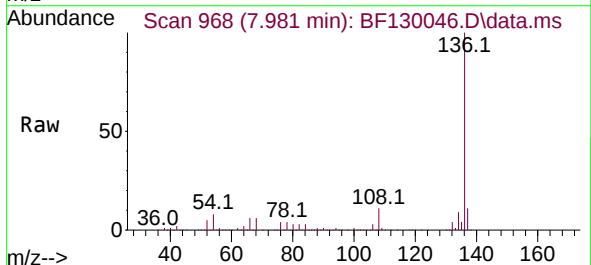
Manual Integrations
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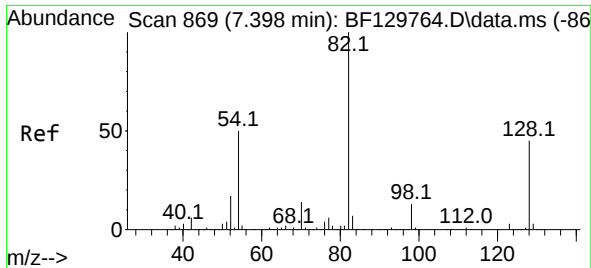
Reviewed By :Christian Giraldo 08/30/2022
Supervised By :Jagrut Upadhyay 08/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.981 min Scan# 968
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

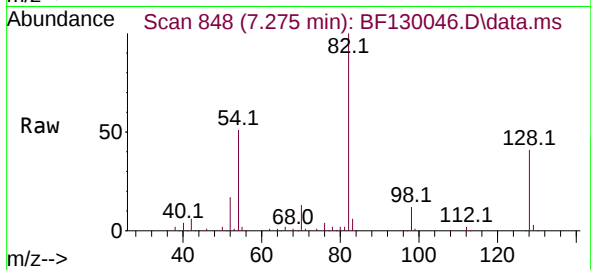
Tgt Ion:136 Resp: 561123
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.1 6.2 9.2
68 5.5 4.2 6.4





#23
Nitrobenzene-d5
Concen: 12.121 ng
RT: 7.275 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

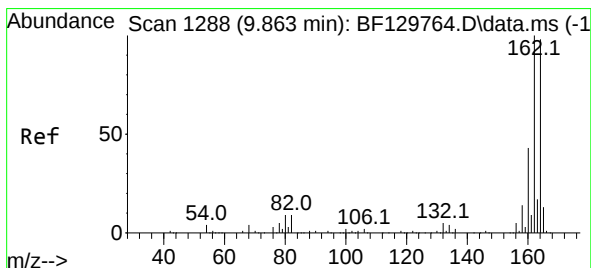
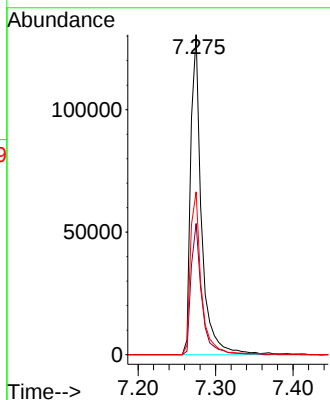
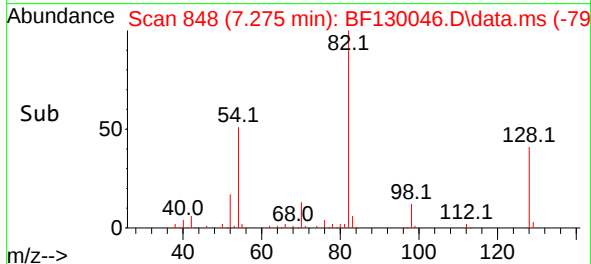
Instrument :
BNA_F
ClientSampleId :
WC-2DL



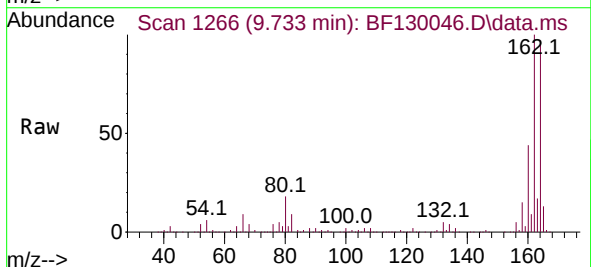
Tgt Ion: 82 Resp: 127053
Ion Ratio Lower Upper
82 100
128 41.0 36.1 54.1
54 50.9 40.0 60.0

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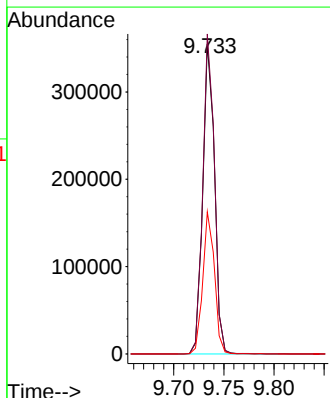
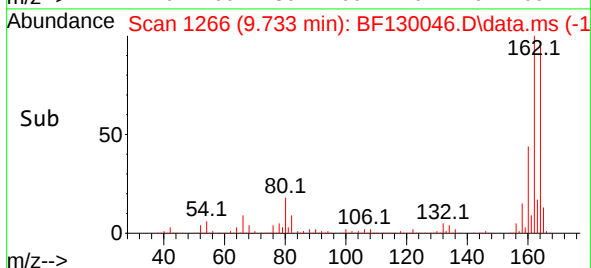
Reviewed By :Christian Giraldo 08/30/2022
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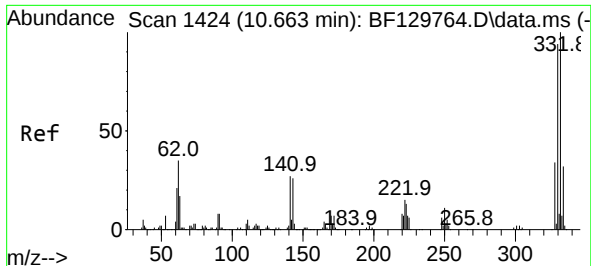


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.733 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40



Tgt Ion:164 Resp: 287823
Ion Ratio Lower Upper
164 100
162 103.2 82.0 123.0
160 45.8 35.4 53.0





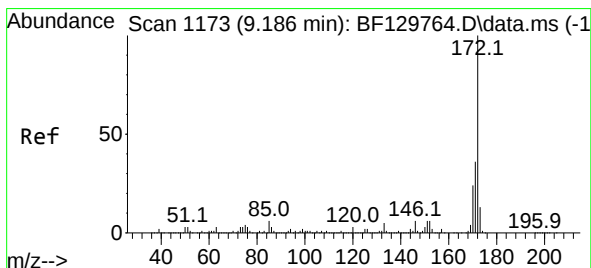
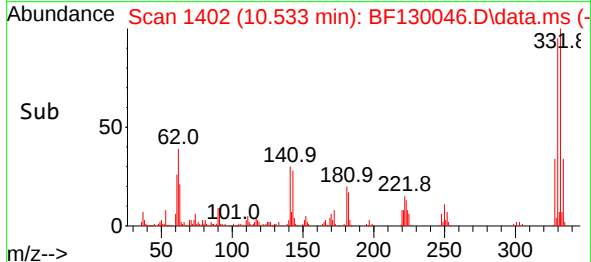
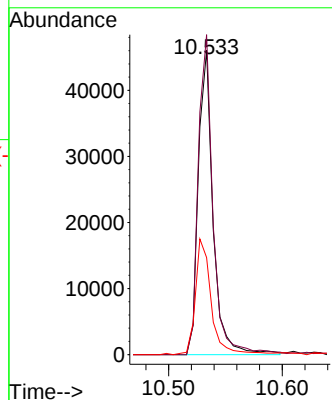
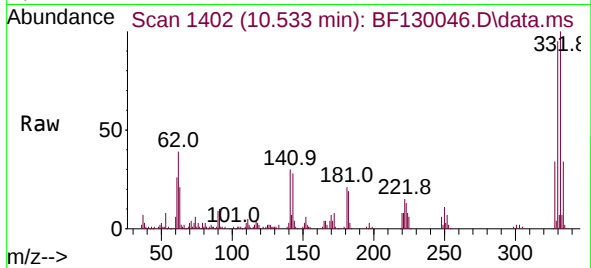
#42
2,4,6-Tribromophenol
Concen: 14.342 ng
RT: 10.533 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Instrument :
BNA_F
ClientSampleId :
WC-2DL

Tgt Ion: 330 Resp: 41431
Ion Ratio Lower Upper
330 100
332 105.1 82.6 124.0
141 40.9 27.6 41.4

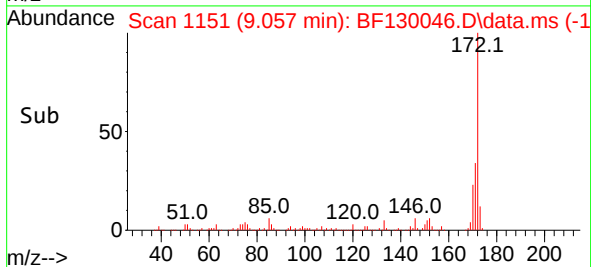
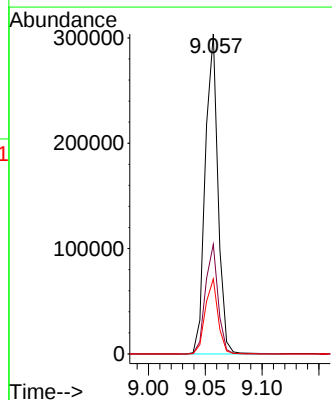
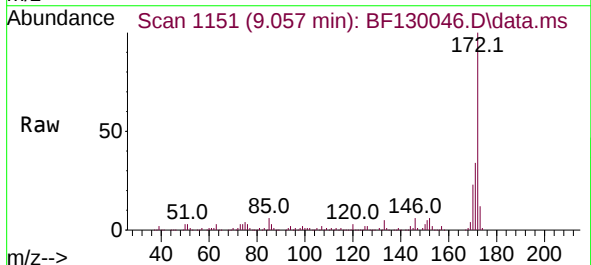
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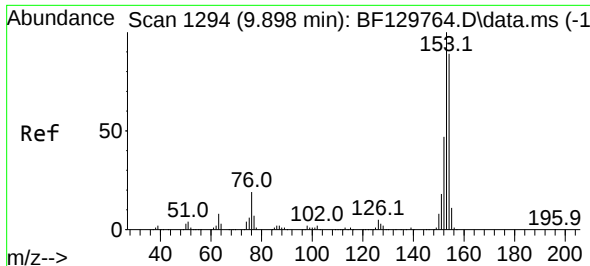
Reviewed By : Christian Giraldo 08/30/2022
Supervised By : Jagrut Upadhyay 08/30/2022



#45
2-Fluorobiphenyl
Concen: 12.493 ng
RT: 9.057 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

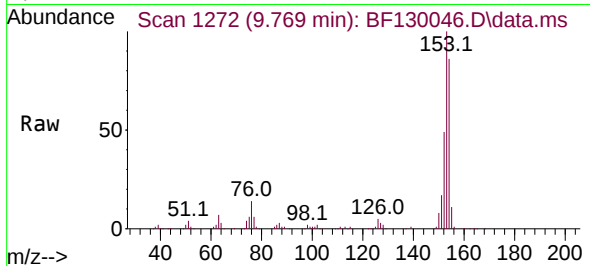
Tgt Ion: 172 Resp: 236742
Ion Ratio Lower Upper
172 100
171 34.2 28.4 42.6
170 23.4 19.1 28.7





#52
Acenaphthene
Concen: 3.795 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

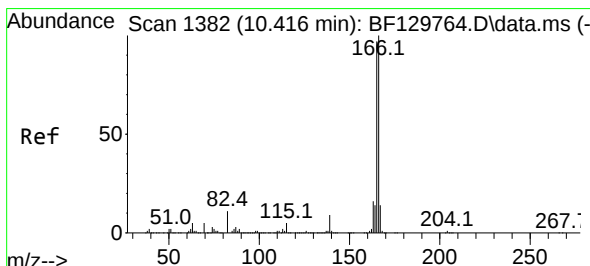
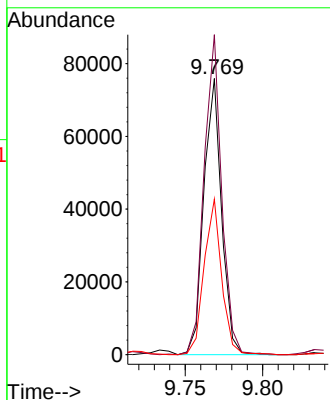
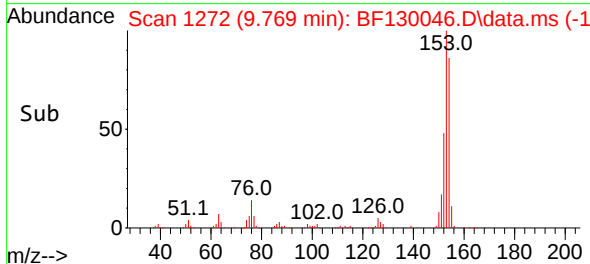
Instrument :
BNA_F
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WC-2DL



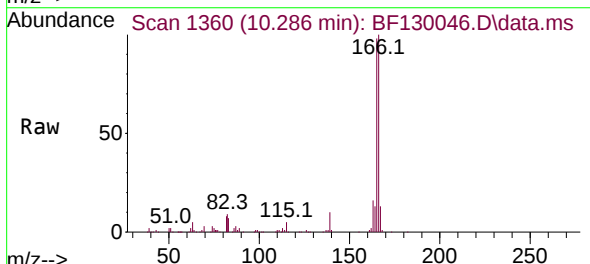
Tgt Ion:154 Resp: 60403
Ion Ratio Lower Upper
154 100
153 115.9 89.8 134.6
152 56.3 42.1 63.1

Manual Integrations
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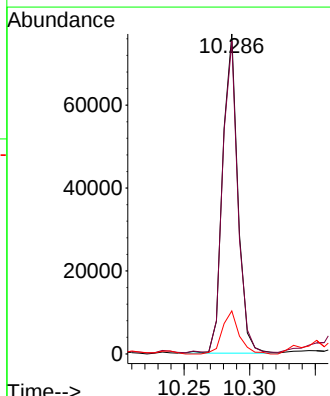
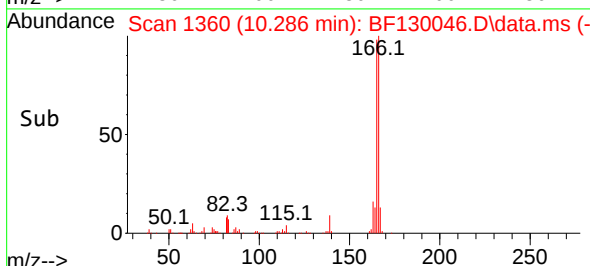
Reviewed By :Christian Giraldo 08/30/2022
Supervised By :Jagrut Upadhyay 08/30/2022

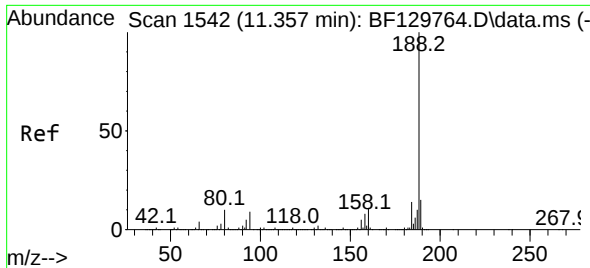


#58
Fluorene
Concen: 3.104 ng
RT: 10.286 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40



Tgt Ion:166 Resp: 61966
Ion Ratio Lower Upper
166 100
165 97.7 77.9 116.9
167 13.4 11.0 16.4





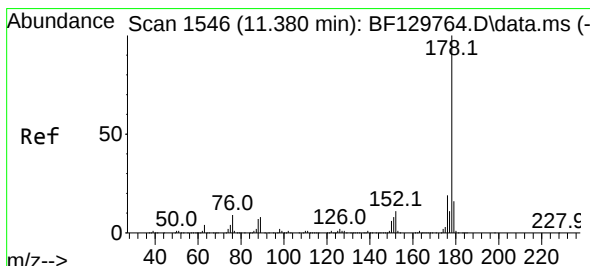
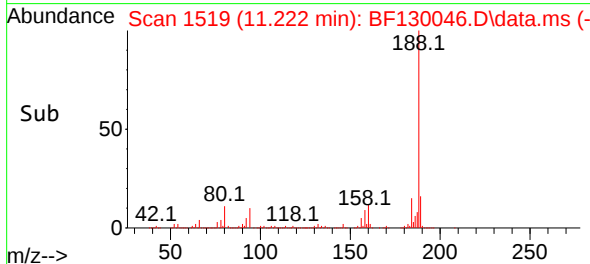
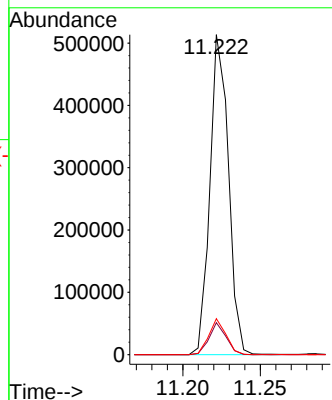
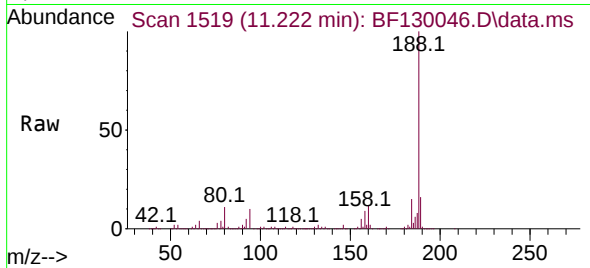
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Instrument :
BNA_F
ClientSampleId :
WC-2DL

Tgt Ion:188 Resp: 42684
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 11.2 7.9 11.9

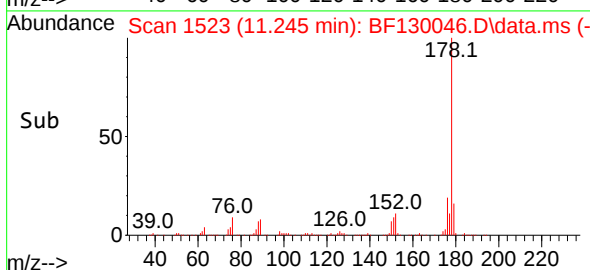
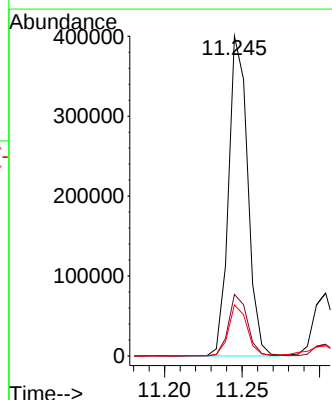
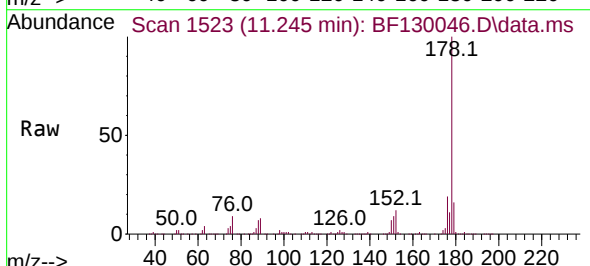
Manual Integrations
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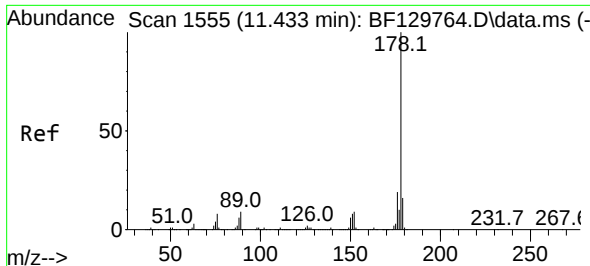
Reviewed By :Christian Giraldo 08/30/2022
Supervised By :Jagrut Upadhyay 08/30/2022



#71
Phenanthrene
Concen: 14.447 ng
RT: 11.245 min Scan# 1523
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

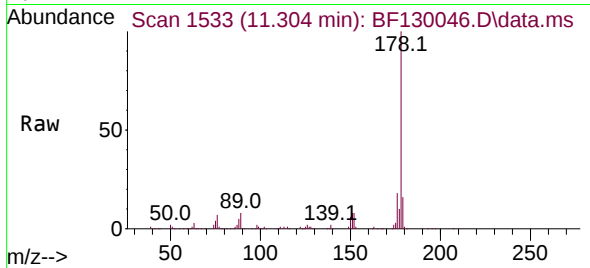
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Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.9 12.5 18.7





#72
 Anthracene
 Concen: 2.992 ng
 RT: 11.304 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130046.D
 Acq: 29 Aug 2022 21:40

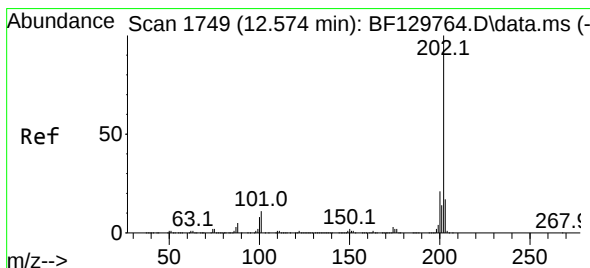
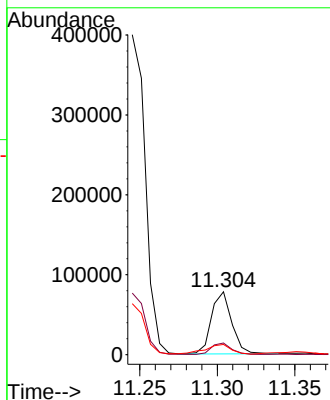
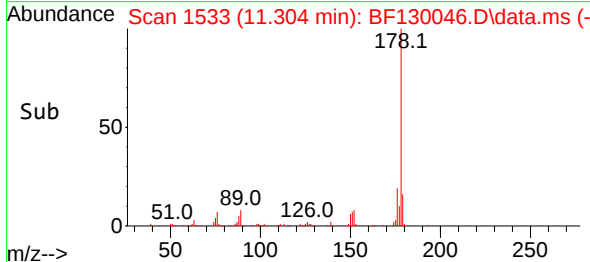
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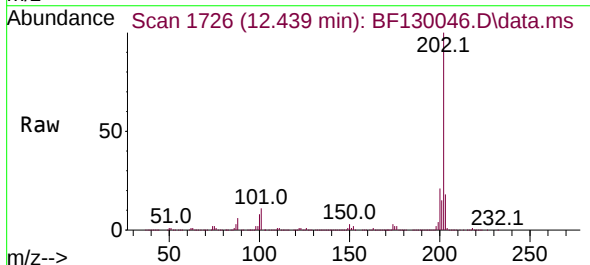
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 Ion Ratio Lower Upper
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 176 18.4 15.1 22.7
 179 16.2 12.6 18.8

Manual Integrations
 APPROVED

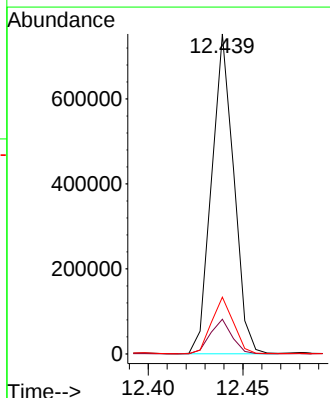
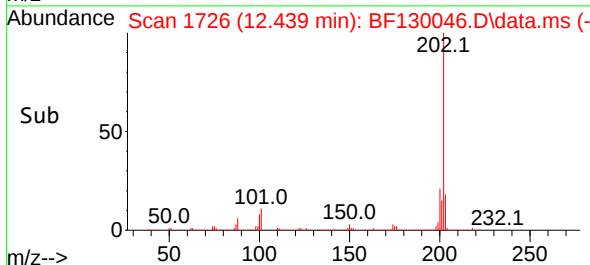
Reviewed By :Christian Giraldo 08/30/2022
 Supervised By :Jagrut Upadhyay 08/30/2022

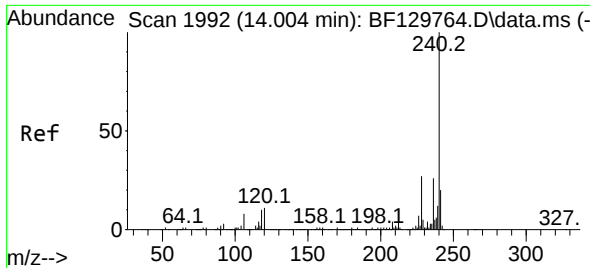


#75
 Fluoranthene
 Concen: 25.141 ng
 RT: 12.439 min Scan# 1726
 Delta R.T. -0.006 min
 Lab File: BF130046.D
 Acq: 29 Aug 2022 21:40



Tgt Ion:202 Resp: 613300
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 30.7
 203 17.7 0.0 37.5





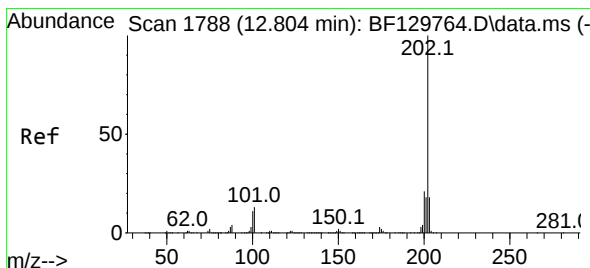
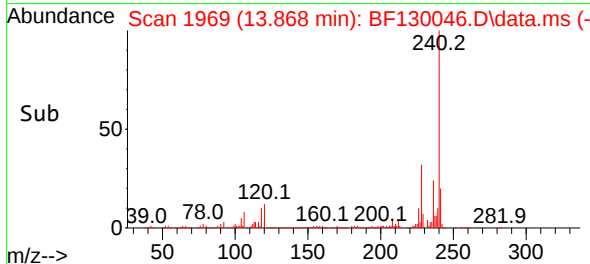
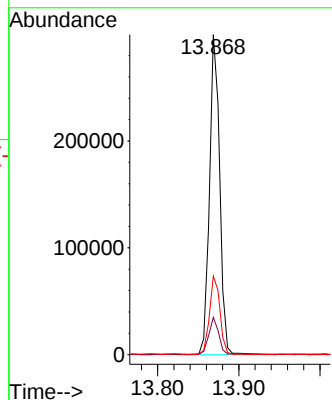
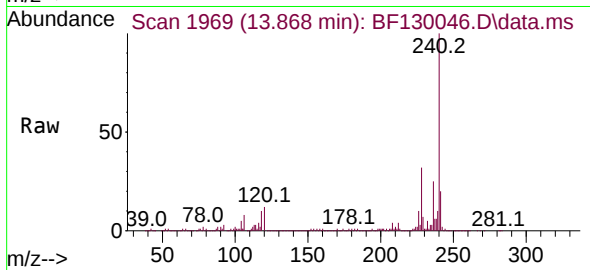
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Instrument :
BNA_F
ClientSampleId :
WC-2DL

Tgt Ion:240 Resp: 262618
Ion Ratio Lower Upper
240 100
120 11.6 9.2 13.8
236 24.5 20.7 31.1

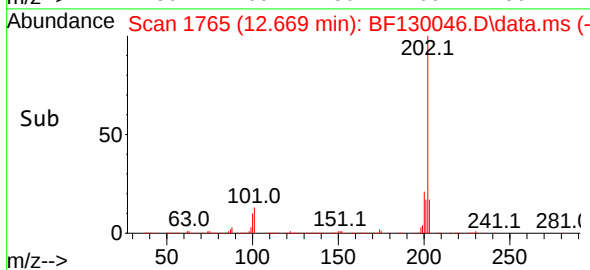
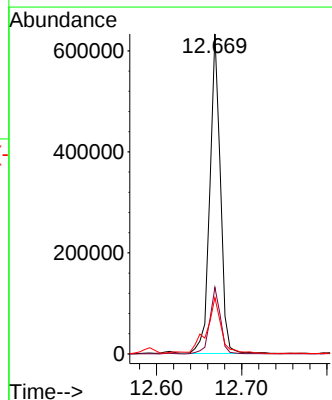
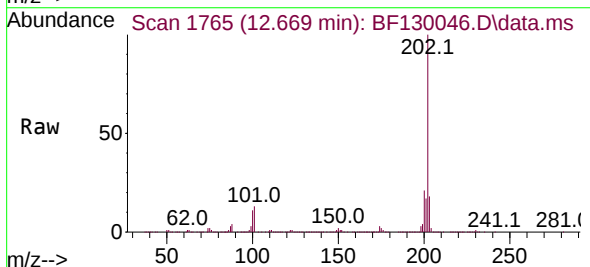
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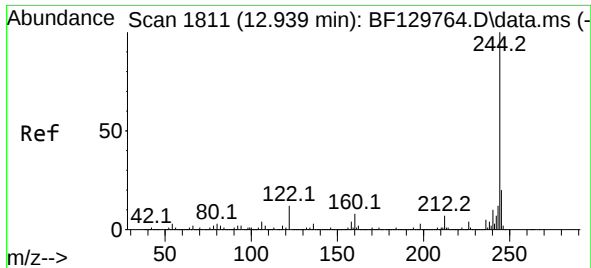
Reviewed By :Christian Giraldo 08/30/2022
Supervised By :Jagrut Upadhyay 08/30/2022



#78
Pyrene
Concen: 23.804 ng
RT: 12.669 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

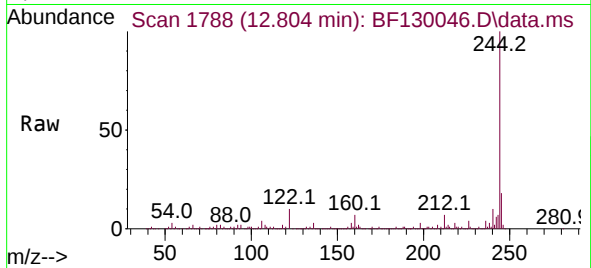
Tgt Ion:202 Resp: 543232
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 17.6 14.1 21.1





#79
 Terphenyl-d14
 Concen: 10.511 ng
 RT: 12.804 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF130046.D
 Acq: 29 Aug 2022 21:40

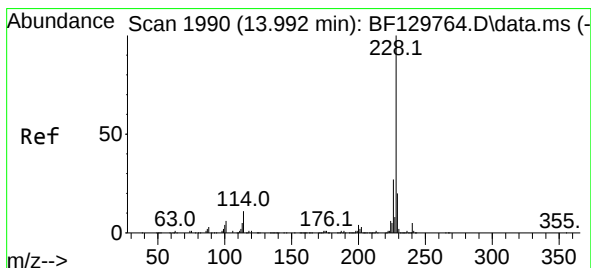
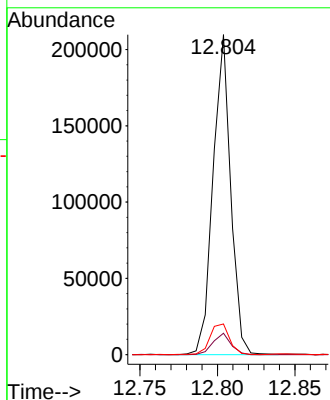
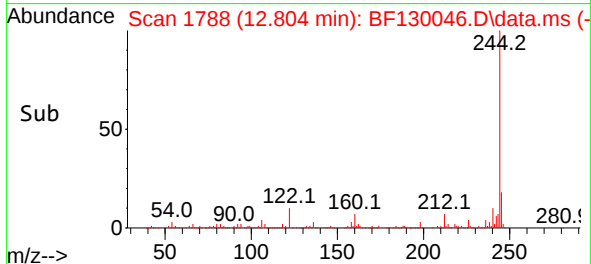
Instrument :
 BNA_F
 ClientSampleId :
 WC-2DL



Tgt Ion:244 Resp: 165889
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 9.6 9.9 14.9

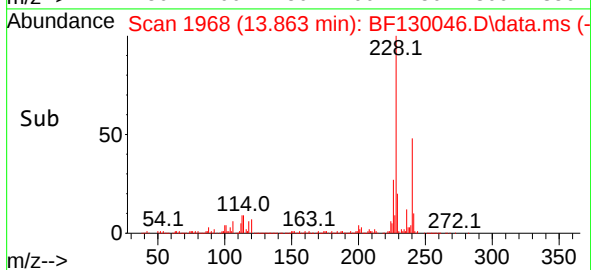
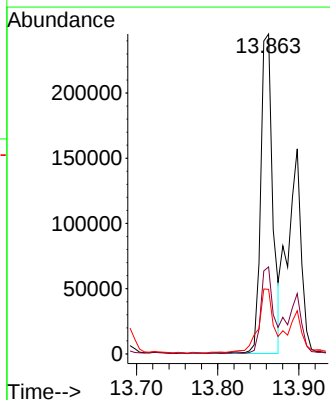
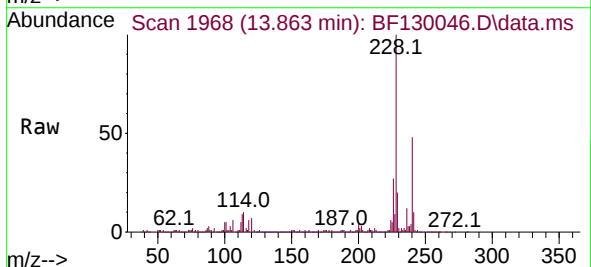
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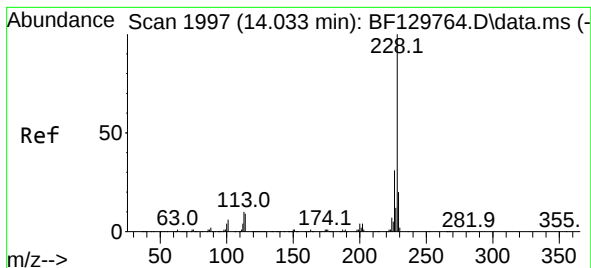
Reviewed By :Christian Giraldo 08/30/2022
 Supervised By :Jagrut Upadhyay 08/30/2022



#81
 Benzo(a)anthracene
 Concen: 14.008 ng
 RT: 13.863 min Scan# 1968
 Delta R.T. 0.000 min
 Lab File: BF130046.D
 Acq: 29 Aug 2022 21:40

Tgt Ion:228 Resp: 253066
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.4 32.0
 229 20.2 16.1 24.1





#83

Chrysene

Concen: 10.890 ng m

RT: 13.898 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

WC-2DL

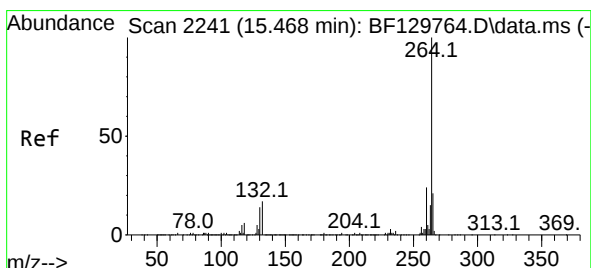
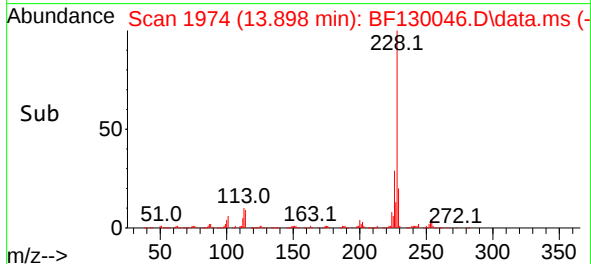
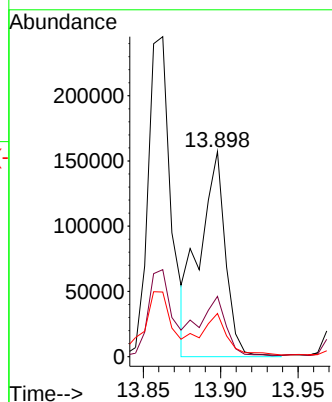
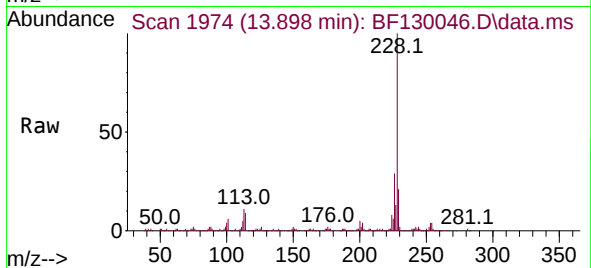
Tgt Ion:228	Resp: 184163
Ion Ratio	Lower Upper
228 100	
226 29.4	24.4 36.6
229 21.1	15.9 23.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/30/2022



#86

Perylene-d12

Concen: 20.000 ng

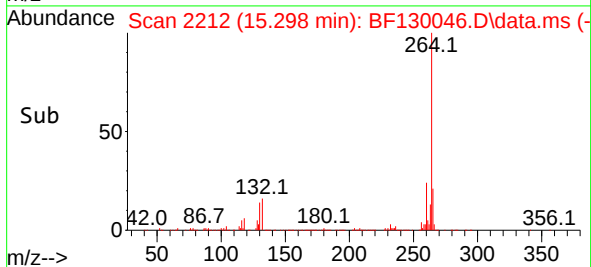
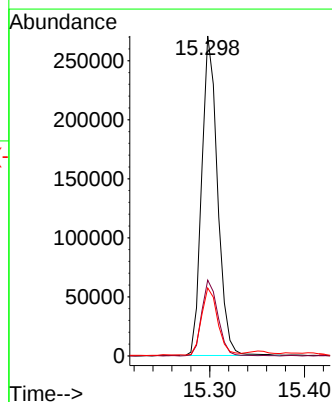
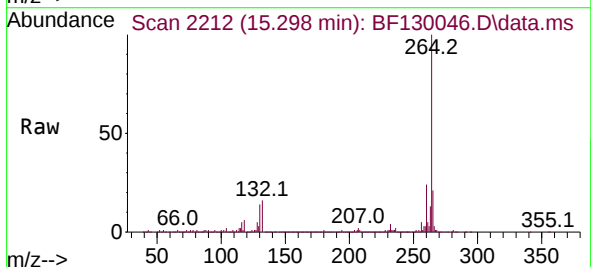
RT: 15.298 min Scan# 2212

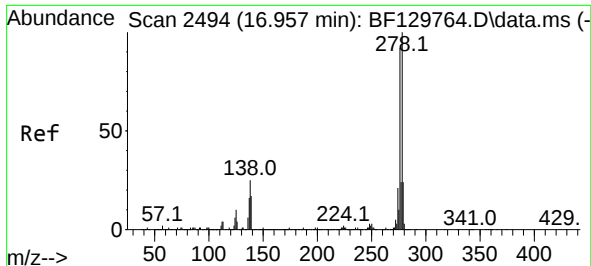
Delta R.T. -0.006 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

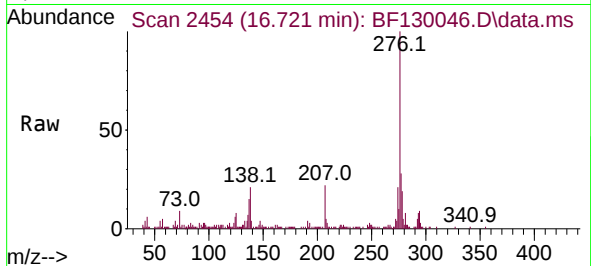
Tgt Ion:264	Resp: 314283
Ion Ratio	Lower Upper
264 100	
260 23.7	19.1 28.7
265 21.2	16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.843 ng
RT: 16.721 min Scan# 2494
Delta R.T. 0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

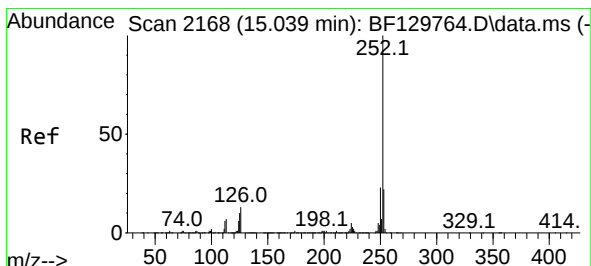
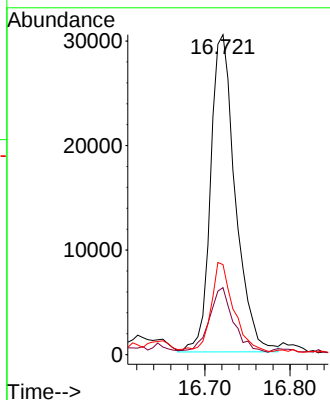
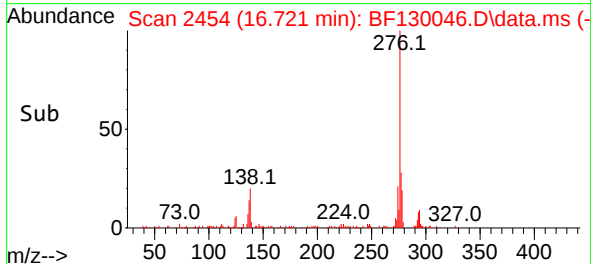
Instrument :
BNA_F
ClientSampleId :
WC-2DL



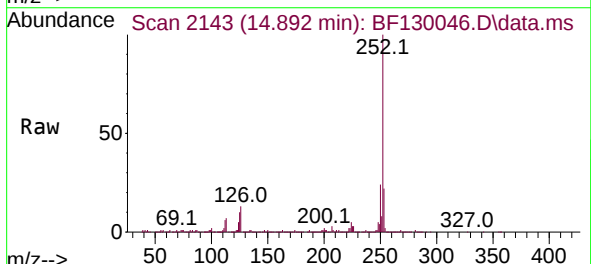
Tgt Ion:276 Resp: 61346
Ion Ratio Lower Upper
276 100
138 19.8 19.8 29.8
277 26.5 20.4 30.6

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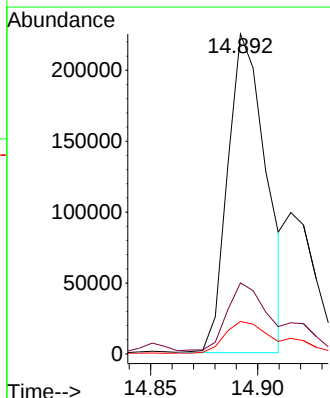
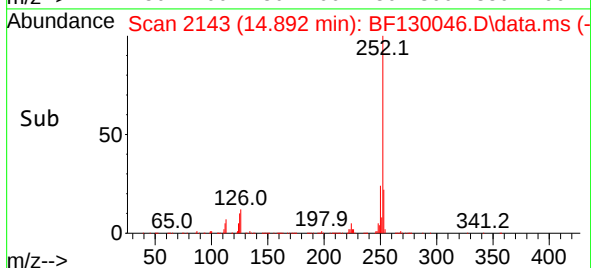
Reviewed By :Christian Giraldo 08/30/2022
Supervised By :Jagrut Upadhyay 08/30/2022

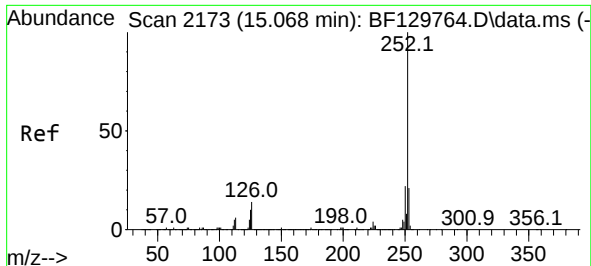


#88
Benzo(b)fluoranthene
Concen: 13.108 ng m
RT: 14.892 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40



Tgt Ion:252 Resp: 282093
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.1 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 4.676 ng m

RT: 14.915 min Scan# 2173

Delta R.T. -0.006 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

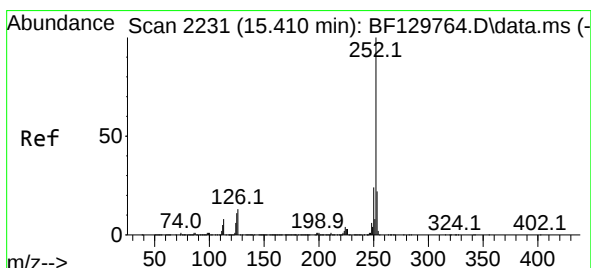
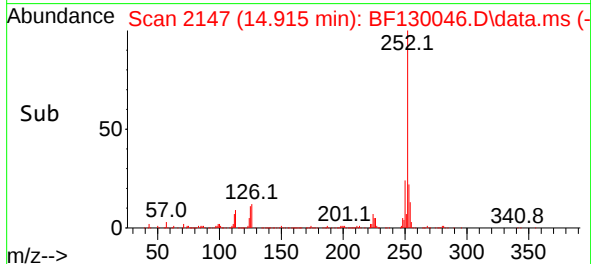
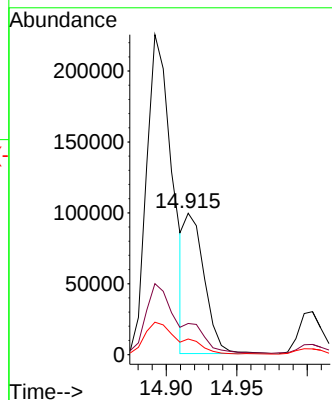
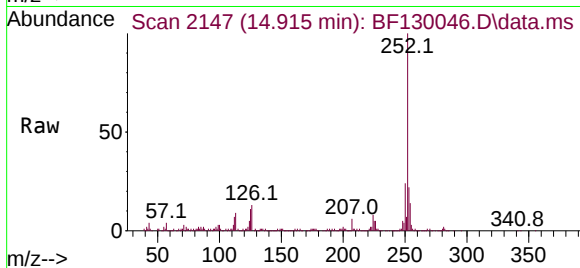
WC-2DL

Tgt Ion:252 Resp: 96508
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.1 25.7
 125 11.0 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/30/2022
 Supervised By :Jagrut Upadhyay 08/30/2022



#90

Benzo(a)pyrene

Concen: 8.757 ng

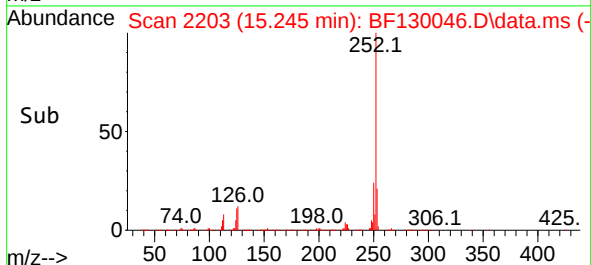
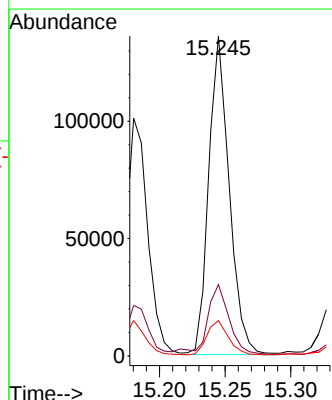
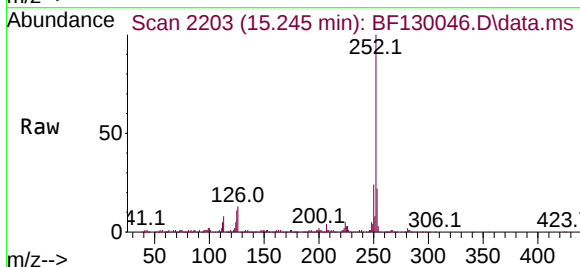
RT: 15.245 min Scan# 2203

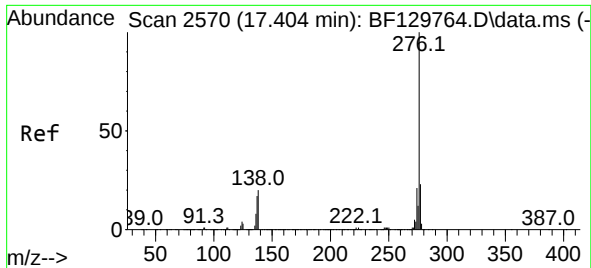
Delta R.T. 0.000 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

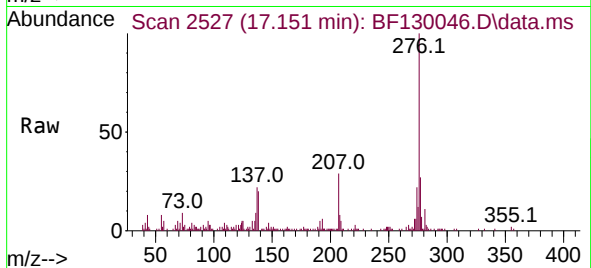
Tgt Ion:252 Resp: 148405
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.2 25.8
 125 11.0 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 2.597 ng
RT: 17.151 min Scan# 2570
Delta R.T. 0.018 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Instrument :
BNA_F
ClientSampleId :
WC-2DL



Tgt Ion: 276 Resp: 46119
Ion Ratio Lower Upper
276 100
277 26.6 18.2 27.4
138 20.4 15.8 23.8

Manual Integrations
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Reviewed By : Christian Giraldo 08/30/2022
Supervised By : Jagrut Upadhyay 08/30/2022

