

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101022\
 Data File : BF130601.D
 Acq On : 10 Oct 2022 14:10
 Operator : CG\JU
 Sample : N5046-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/11/2022
 Supervised By : Jagrut Upadhyay 10/14/2022

Quant Time: Oct 10 15:45:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 10 13:41:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.604	152	98634	20.000	ng	-0.01
21) Naphthalene-d8	7.886	136	385960	20.000	ng	-0.02
39) Acenaphthene-d10	9.633	164	195609	20.000	ng	-0.02
64) Phenanthrene-d10	11.116	188	276180	20.000	ng	-0.02
76) Chrysene-d12	13.745	240	172517	20.000	ng	-0.02
86) Perylene-d12	15.127	264	211702	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.210	112	624804	109.871	ng	0.00
7) Phenol-d6	6.251	99	784807	110.297	ng	-0.02
23) Nitrobenzene-d5	7.175	82	492606	65.205	ng	-0.02
42) 2,4,6-Tribromophenol	10.421	330	147587	78.742	ng	-0.02
45) 2-Fluorobiphenyl	8.963	172	857873	63.863	ng	-0.02
79) Terphenyl-d14	12.698	244	553083	53.106	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.139	178	93547	6.033	ng	98
75) Fluoranthene	12.321	202	71453	4.769	ng	99
78) Pyrene	12.551	202	95669	6.339	ng	98
81) Benzo(a)anthracene	13.733	228	37872	3.300	ng	# 91
83) Chrysene	13.768	228	41689m	3.826	ng	
88) Benzo(b)fluoranthene	14.745	252	45105m	3.264	ng	
90) Benzo(a)pyrene	15.068	252	37576	3.433	ng	# 95

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

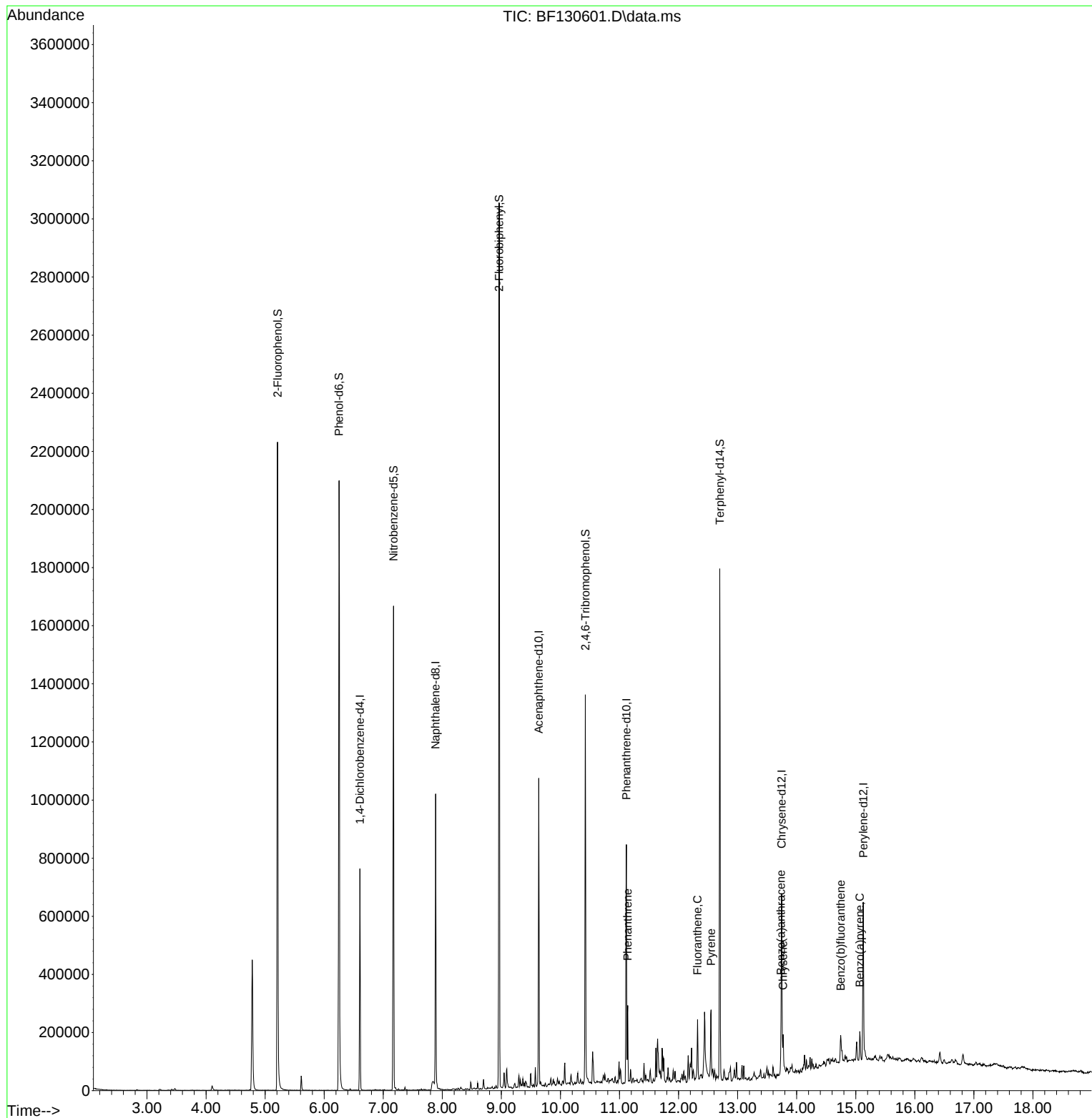
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101022\
Data File : BF130601.D
Acq On : 10 Oct 2022 14:10
Operator : CG\JU
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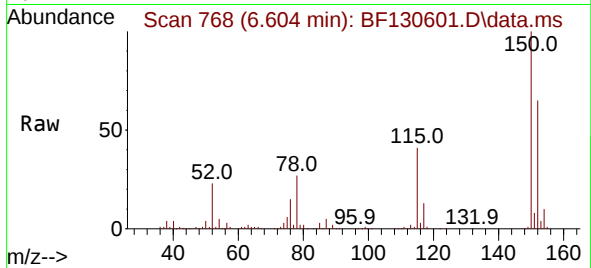
Quant Time: Oct 10 15:45:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 10 13:41:25 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.604 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

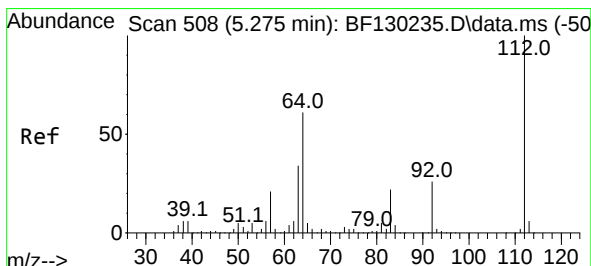
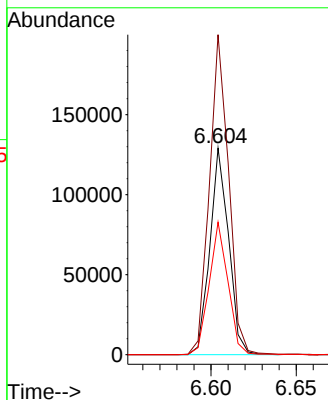
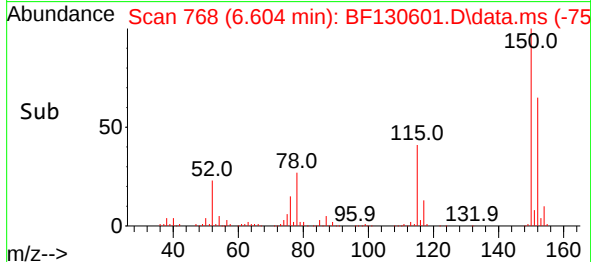
Instrument :
BNA_F
ClientSampleId :
R-2



Tgt Ion:152 Resp: 98634
Ion Ratio Lower Upper
152 100
150 154.9 122.8 184.2
115 64.1 53.8 80.8

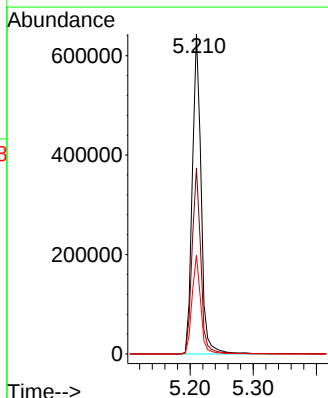
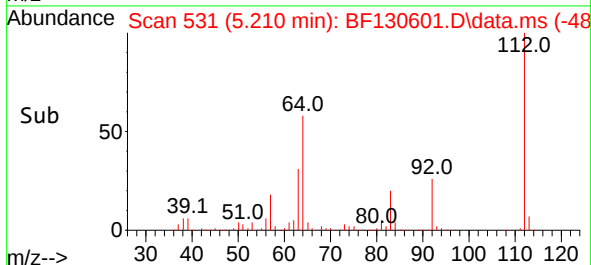
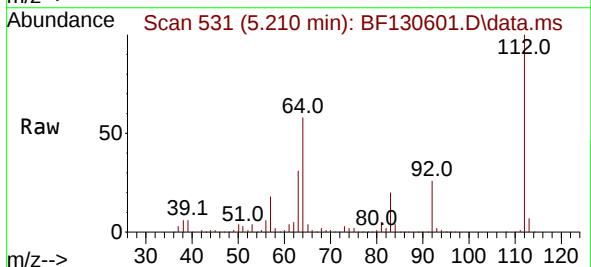
Manual Integrations
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Reviewed By :Christian Giraldo 10/11/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#5
2-Fluorophenol
Concen: 109.871 ng
RT: 5.210 min Scan# 531
Delta R.T. -0.006 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

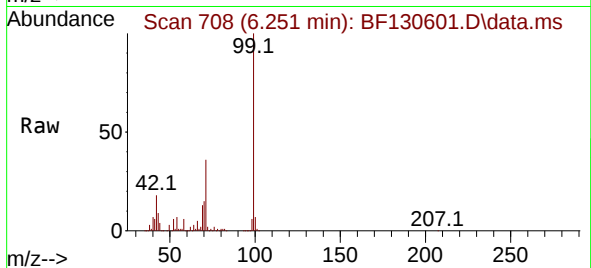
Tgt Ion:112 Resp: 624804
Ion Ratio Lower Upper
112 100
64 58.2 51.4 77.0
63 30.9 28.8 43.2





#7
Phenol-d6
Concen: 110.297 ng
RT: 6.251 min Scan# 70
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

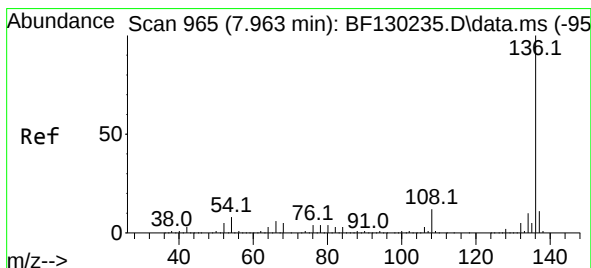
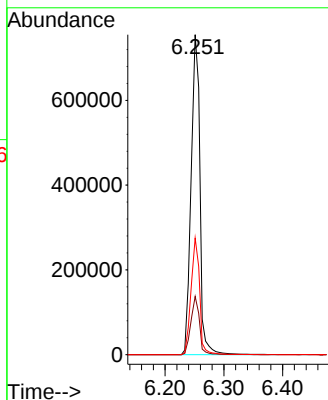
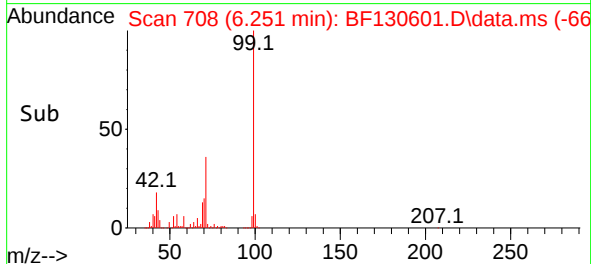
Instrument :
BNA_F
ClientSampleId :
R-2



Tgt Ion: 99 Resp: 78480
Ion Ratio Lower Upper
99 100
42 18.2 17.0 25.6
71 36.5 32.3 48.5

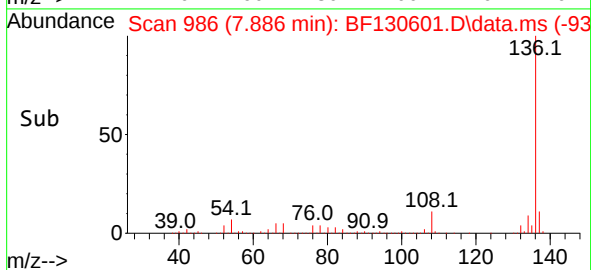
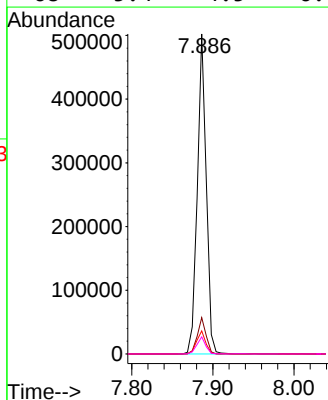
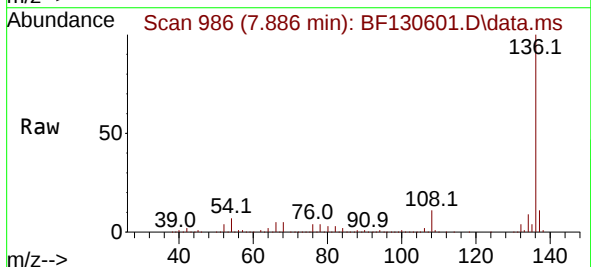
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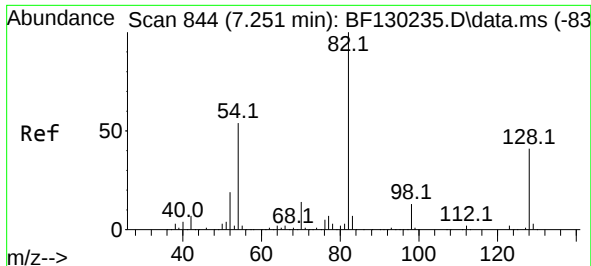
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.886 min Scan# 986
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

Tgt Ion:136 Resp: 385960
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.2 7.1 10.7
68 5.4 4.5 6.7





#23

Nitrobenzene-d5

Concen: 65.205 ng

RT: 7.175 min Scan# 80

Delta R.T. -0.018 min

Lab File: BF130601.D

Acq: 10 Oct 2022 14:10

Instrument :

BNA_F

ClientSampleId :

R-2

Tgt Ion: 82 Resp: 492600

Ion Ratio Lower Upper

82 100

128 45.1 32.6 49.0

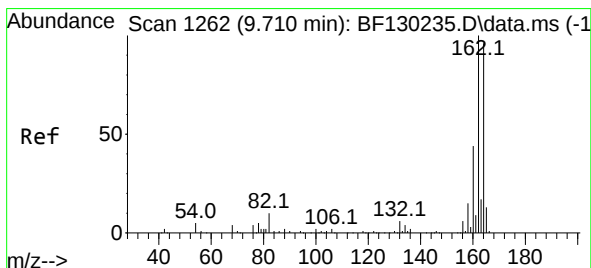
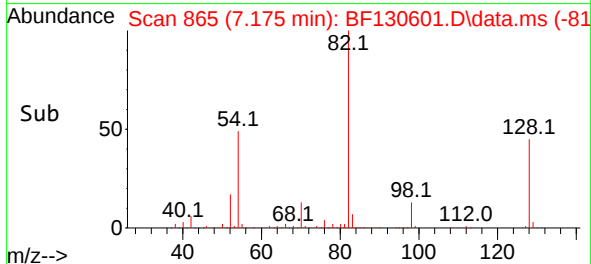
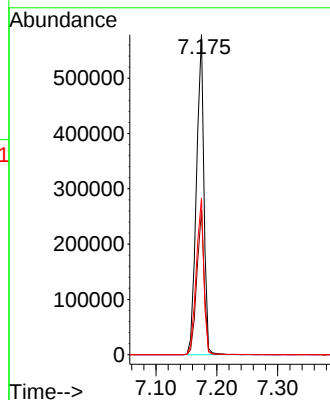
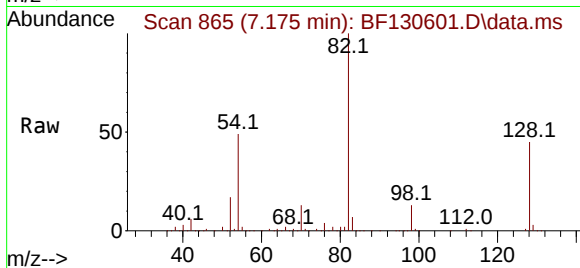
54 49.0 43.8 65.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/14/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.633 min Scan# 1283

Delta R.T. -0.018 min

Lab File: BF130601.D

Acq: 10 Oct 2022 14:10

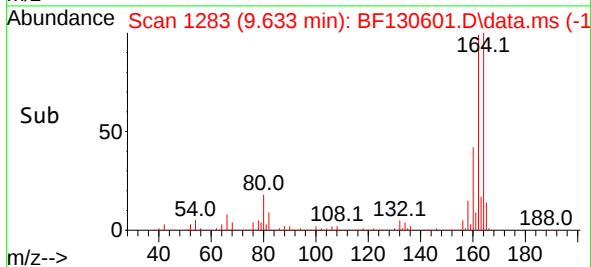
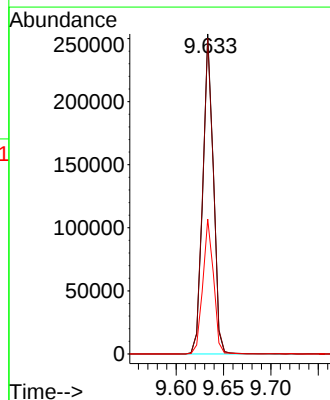
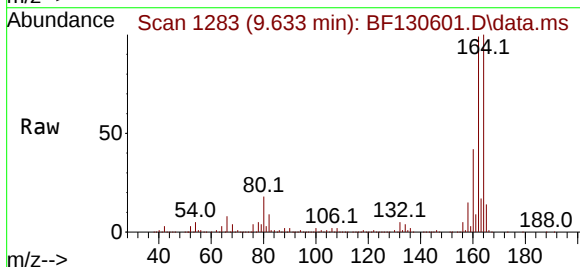
Tgt Ion:164 Resp: 195609

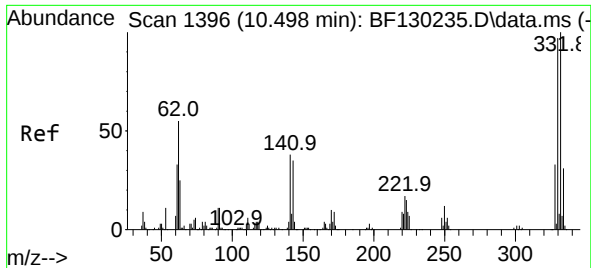
Ion Ratio Lower Upper

164 100

162 98.6 81.4 122.0

160 42.1 36.2 54.4





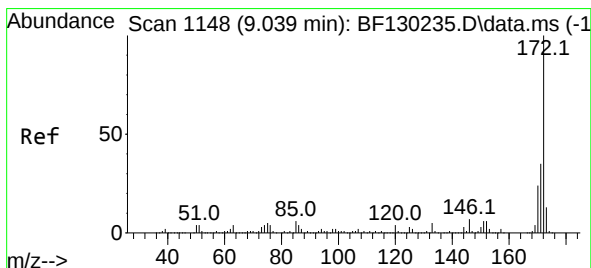
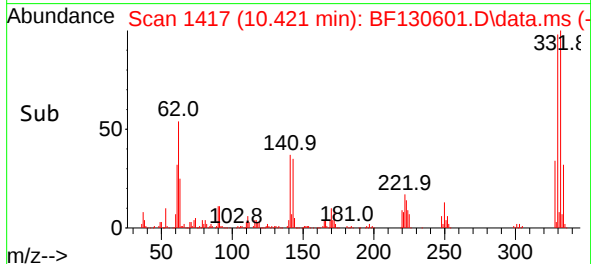
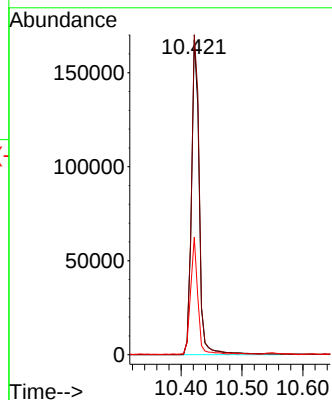
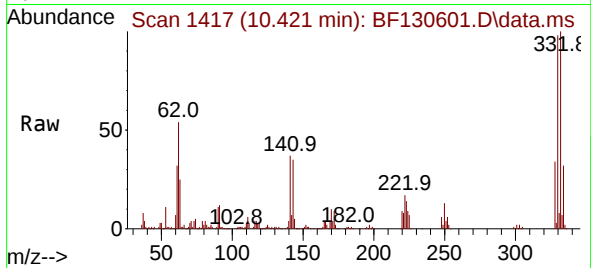
#42
2,4,6-Tribromophenol
Concen: 78.742 ng
RT: 10.421 min Scan# 1417
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

Instrument :
BNA_F
ClientSampleId :
R-2

Tgt Ion: 330 Resp: 14758
Ion Ratio Lower Upper
330 100
332 102.8 83.4 125.2
141 34.8 34.0 51.0

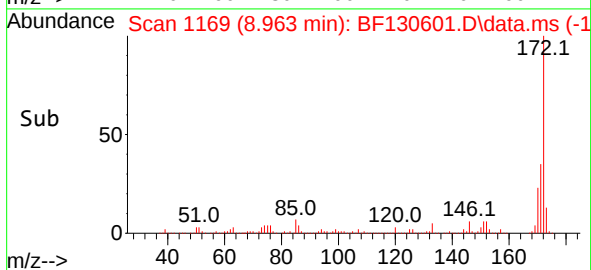
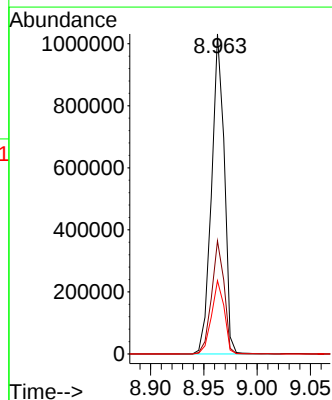
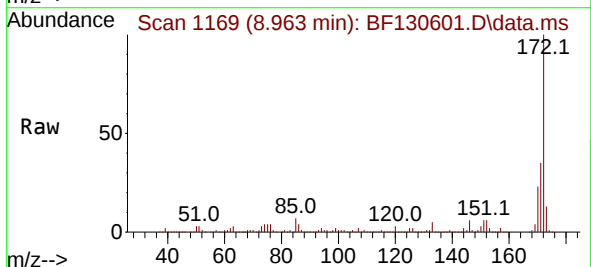
Manual Integrations
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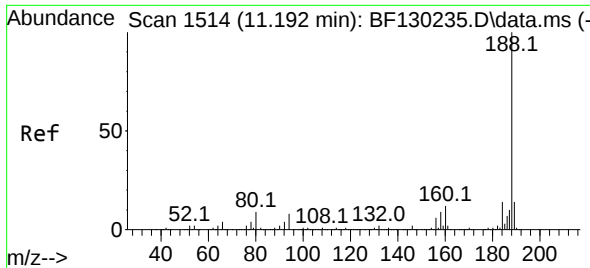
Reviewed By : Christian Giraldo 10/11/2022
Supervised By : Jagrut Upadhyay 10/14/2022



#45
2-Fluorobiphenyl
Concen: 63.863 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

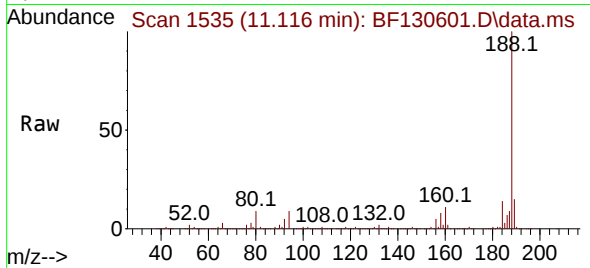
Tgt Ion: 172 Resp: 857873
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 22.9 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.116 min Scan# 1535
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

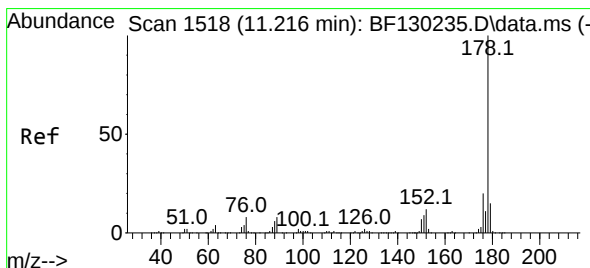
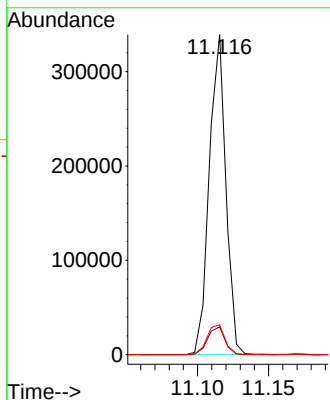
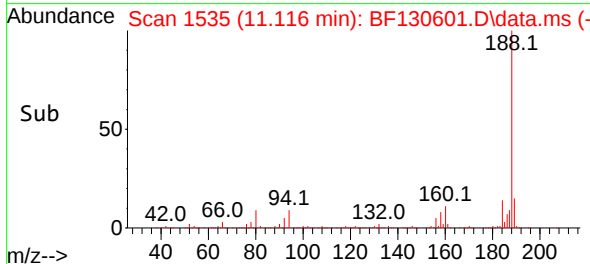
Instrument :
BNA_F
ClientSampleId :
R-2



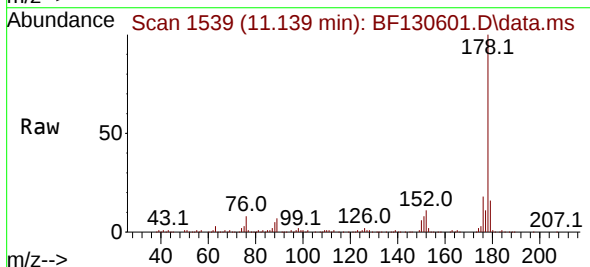
Tgt Ion:188 Resp: 276180
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.3 7.9 11.9

Manual Integrations
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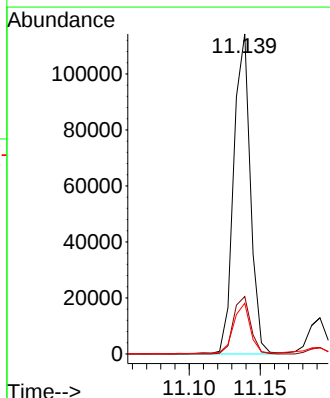
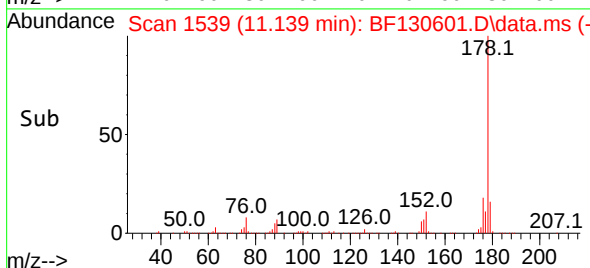
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :Jagrut Upadhyay 10/14/2022

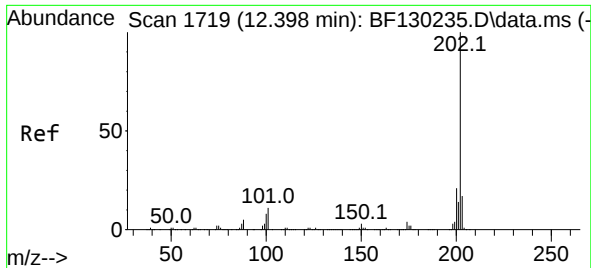


#71
Phenanthrene
Concen: 6.033 ng
RT: 11.139 min Scan# 1539
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10



Tgt Ion:178 Resp: 93547
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.0
179 15.8 12.4 18.6





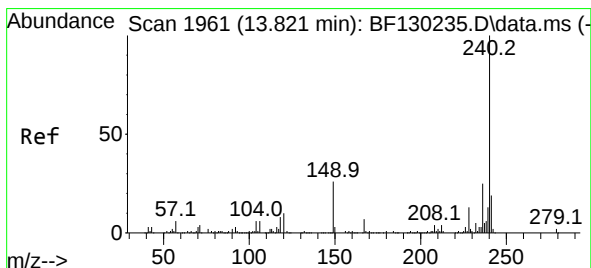
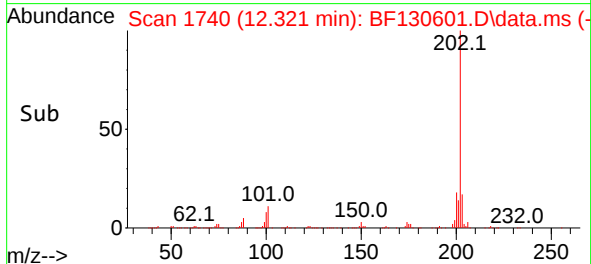
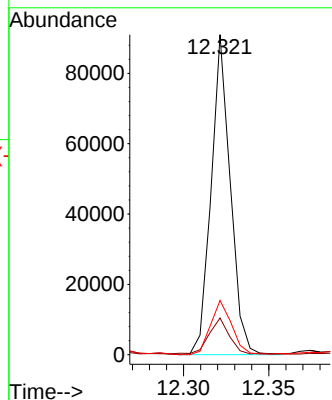
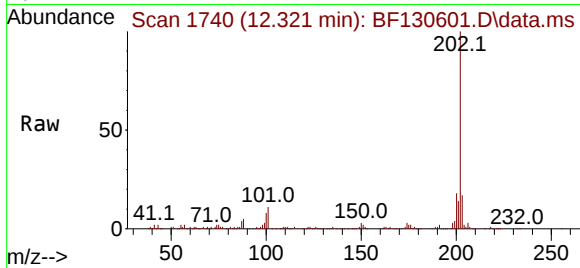
#75
Fluoranthene
Concen: 4.769 ng
RT: 12.321 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

Instrument :
BNA_F
ClientSampleId :
R-2

Tgt Ion:202 Resp: 7145
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.8
203 17.0 0.0 37.8

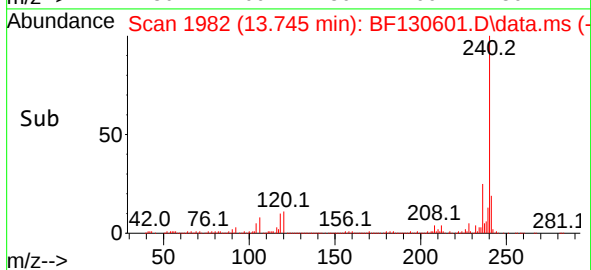
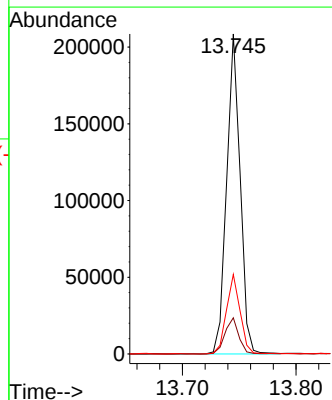
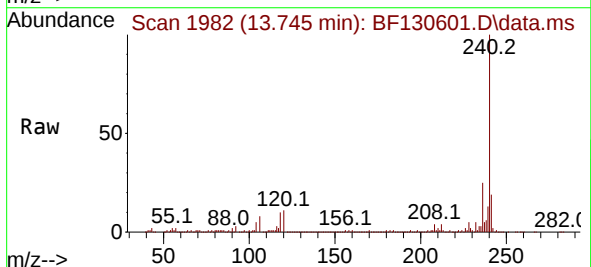
Manual Integrations
APPROVED

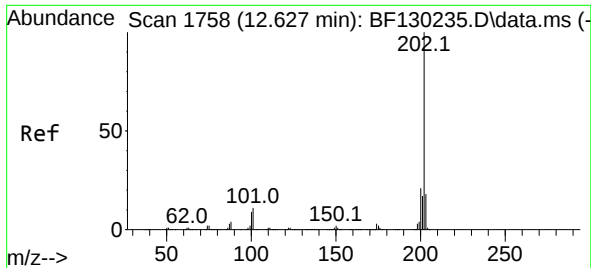
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.745 min Scan# 1982
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

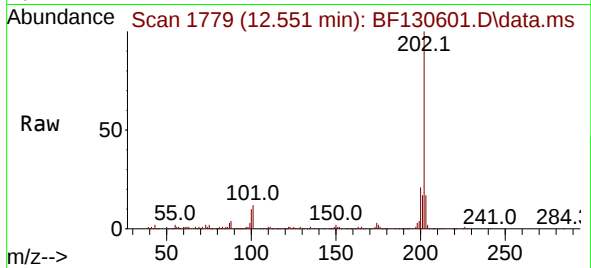
Tgt Ion:240 Resp: 172517
Ion Ratio Lower Upper
240 100
120 11.3 8.7 13.1
236 24.8 20.9 31.3





#78
Pyrene
Concen: 6.339 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

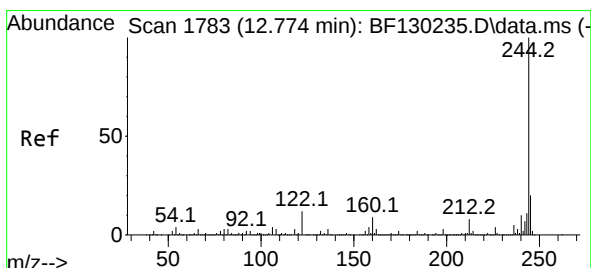
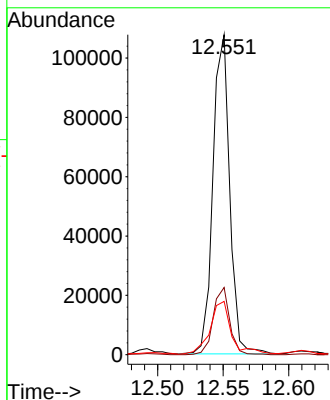
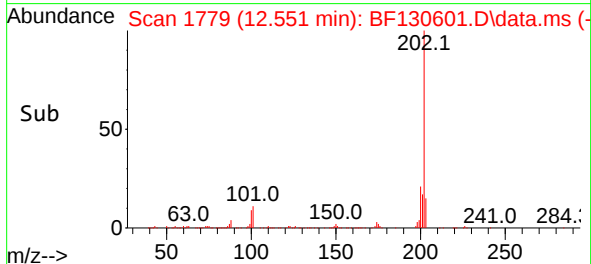
Instrument :
BNA_F
ClientSampleId :
R-2



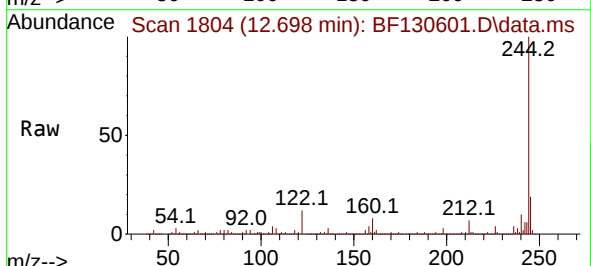
Tgt Ion:202 Resp: 95669
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 16.6 14.3 21.5

Manual Integrations
APPROVED

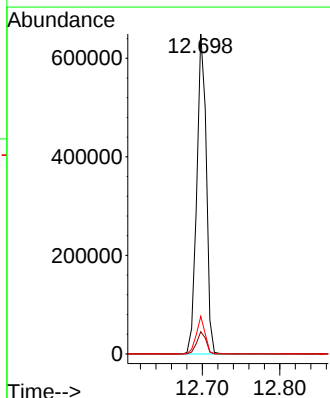
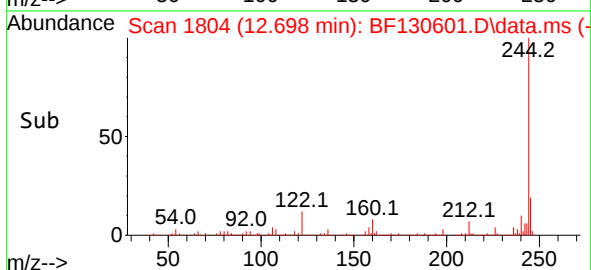
Reviewed By :Christian Giraldo 10/11/2022
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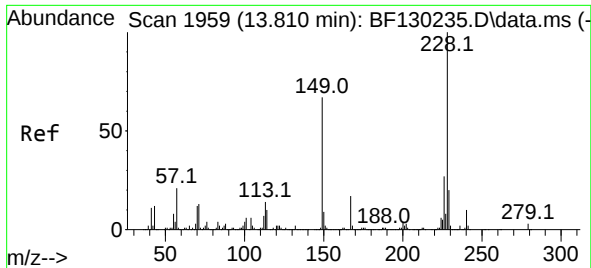


#79
Terphenyl-d14
Concen: 53.106 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10



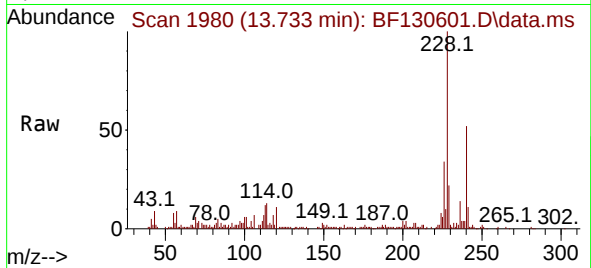
Tgt Ion:244 Resp: 553083
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 11.8 8.5 12.7





#81
Benzo(a)anthracene
Concen: 3.300 ng
RT: 13.733 min Scan# 1980
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

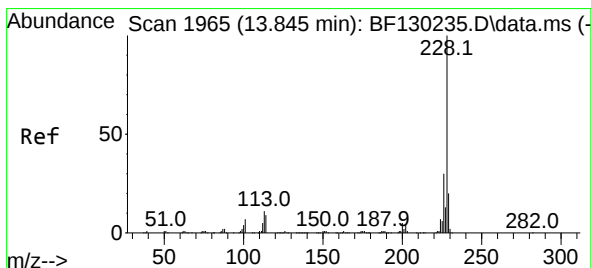
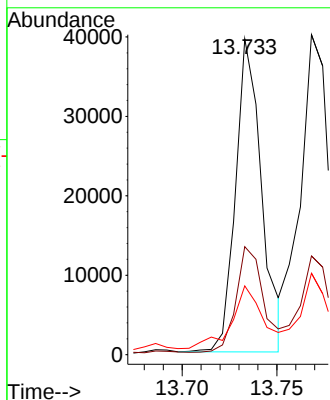
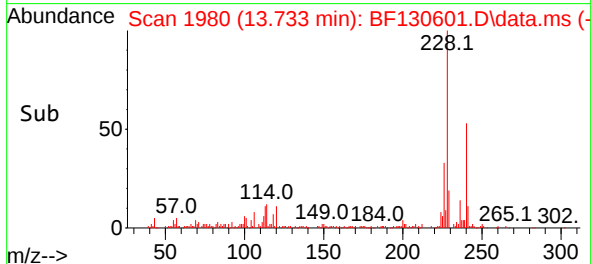
Instrument :
BNA_F
ClientSampleId :
R-2



Tgt Ion:228 Resp: 37872
Ion Ratio Lower Upper
228 100
226 34.2 21.9 32.9
229 21.8 16.1 24.1

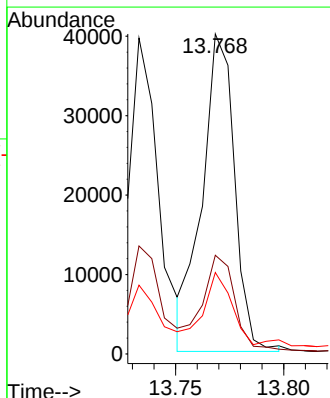
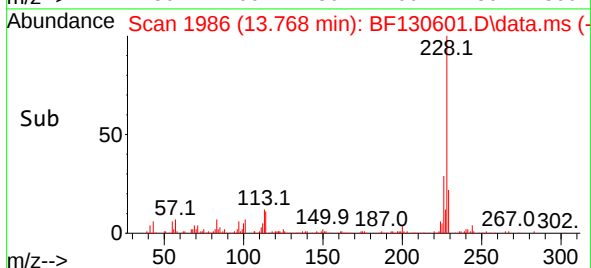
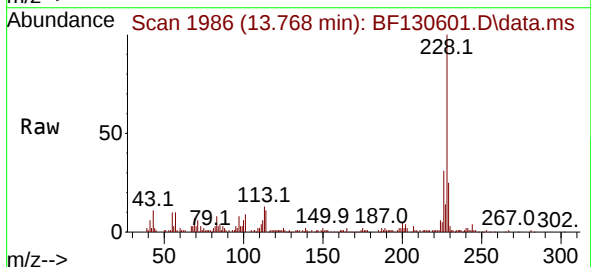
Manual Integrations
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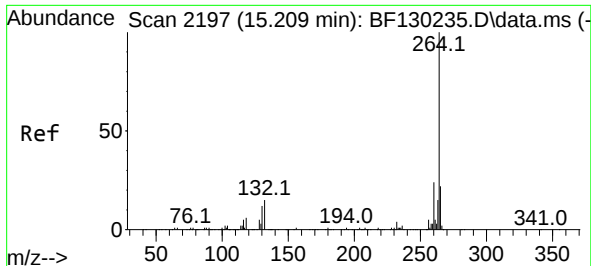
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#83
Chrysene
Concen: 3.826 ng m
RT: 13.768 min Scan# 1986
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

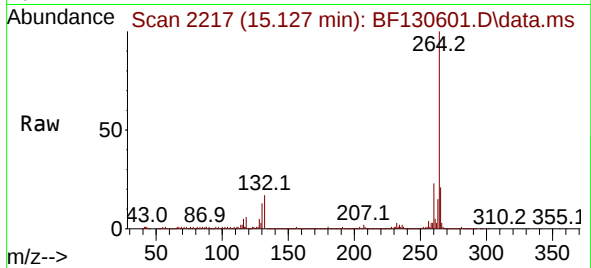
Tgt Ion:228 Resp: 41689
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 25.5 15.3 22.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.127 min Scan# 21170
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

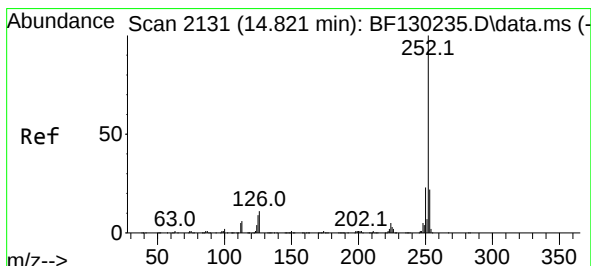
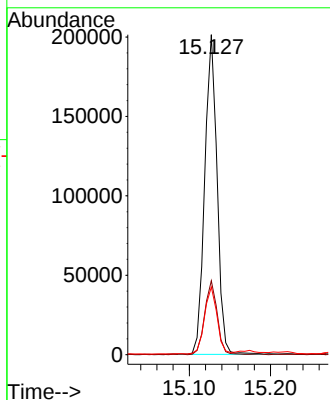
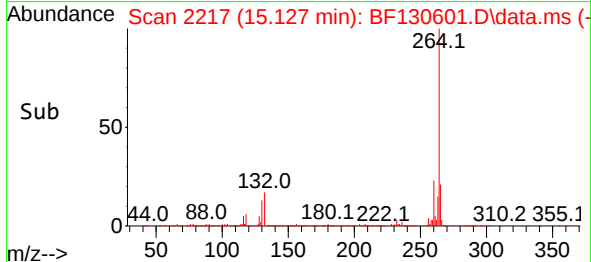
Instrument :
BNA_F
ClientSampleId :
R-2



Tgt Ion:264 Resp: 21170
Ion Ratio Lower Upper
264 100
260 23.1 19.3 28.9
265 21.1 17.0 25.4

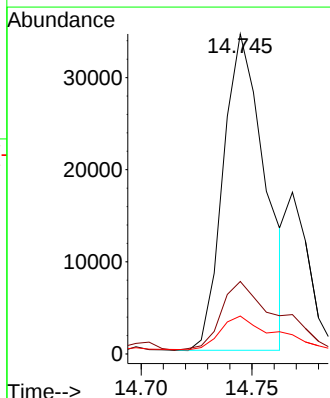
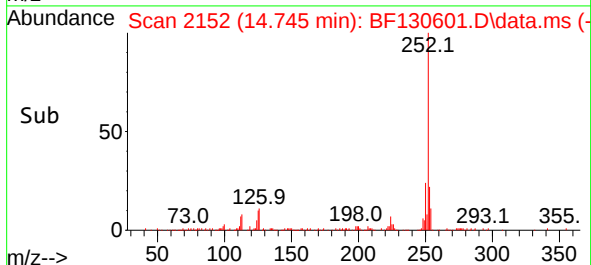
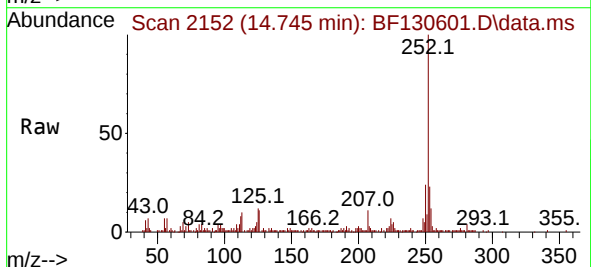
Manual Integrations
APPROVED

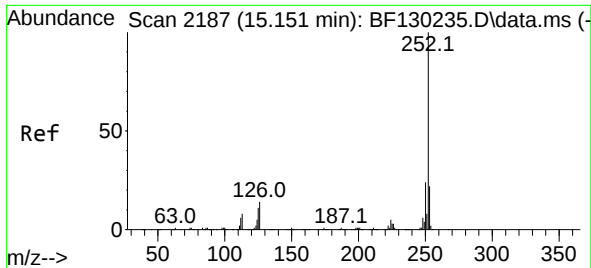
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#88
Benzo(b)fluoranthene
Concen: 3.264 ng m
RT: 14.745 min Scan# 2152
Delta R.T. -0.018 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

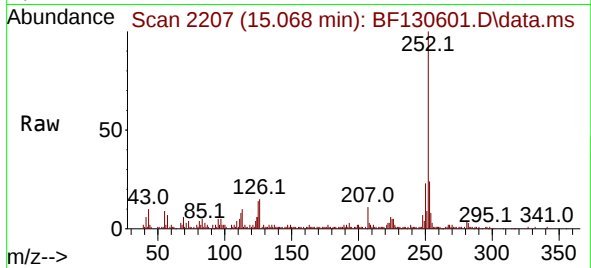
Tgt Ion:252 Resp: 45105
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.8 8.1 12.1





#90
Benzo(a)pyrene
Concen: 3.433 ng
RT: 15.068 min Scan# 2187
Delta R.T. -0.024 min
Lab File: BF130601.D
Acq: 10 Oct 2022 14:10

Instrument :
BNA_F
ClientSampleId :
R-2



Tgt Ion:252 Resp: 37570
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 14.3 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/11/2022
Supervised By :Jagrut Upadhyay 10/14/2022

