

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131793.D
 Acq On : 23 Dec 2022 00:03
 Operator : CG\JU
 Sample : N6038-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-34-(1.5-2)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/23/2022
 Supervised By : Jagrut Upadhyay 12/24/2022

Quant Time: Dec 23 03:37:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	60714	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	209091	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	103395	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	166395	20.000	ng	0.00
76) Chrysene-d12	14.051	240	127024	20.000	ng	0.00
86) Perylene-d12	15.545	264	106228	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	330843	91.758	ng	0.00
7) Phenol-d6	6.486	99	605359	124.739	ng	0.00
23) Nitrobenzene-d5	7.428	82	406455	78.916	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	62359	55.102	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	718201	97.304	ng	0.00
79) Terphenyl-d14	12.998	244	772038	94.725	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	37880	3.317	ng	99
37) 2-Methylnaphthalene	8.863	142	49382	6.340	ng	97
38) 1-Methylnaphthalene	8.963	142	39788	5.274	ng	99
52) Acenaphthene	9.939	154	41795	7.143	ng	97
55) Dibenzofuran	10.110	168	22896	2.552	ng	# 87
58) Fluorene	10.457	166	36417	5.020	ng	96
71) Phenanthrene	11.427	178	544699	60.033	ng	99
72) Anthracene	11.474	178	87812	9.884	ng	99
75) Fluoranthene	12.621	202	388068	38.404	ng	99
78) Pyrene	12.851	202	452307	39.165	ng	100
81) Benzo(a)anthracene	14.045	228	191036	20.882	ng	97
83) Chrysene	14.080	228	176669	20.461	ng	97
87) Indeno(1,2,3-cd)pyrene	17.050	276	45455	6.371	ng	98
88) Benzo(b)fluoranthene	15.109	252	148616m	19.775	ng	
89) Benzo(k)fluoranthene	15.133	252	40893m	5.576	ng	
90) Benzo(a)pyrene	15.480	252	103253	17.344	ng	98
92) Benzo(g,h,i)perylene	17.503	276	45272	7.768	ng	97

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

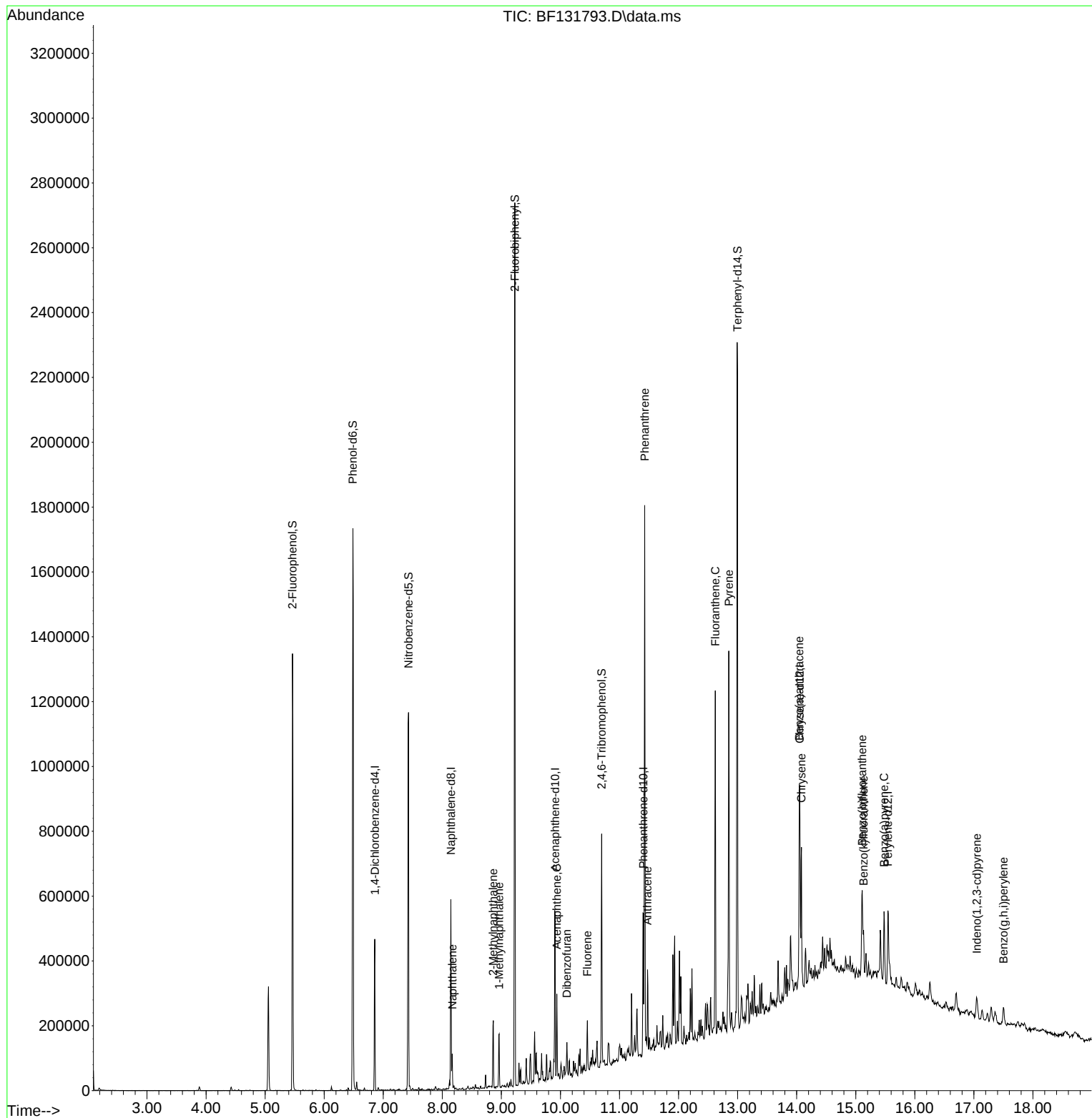
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131793.D
Acq On : 23 Dec 2022 00:03
Operator : CG\JU
Sample : N6038-11
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ALS Vial : 16 Sample Multiplier: 1

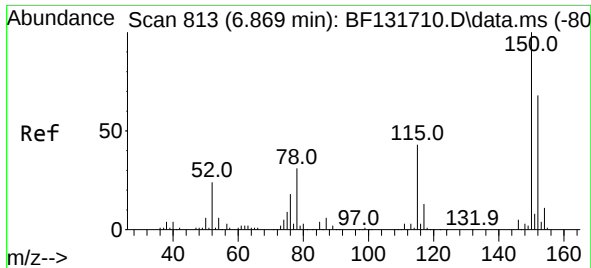
Instrument :
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Quant Time: Dec 23 03:37:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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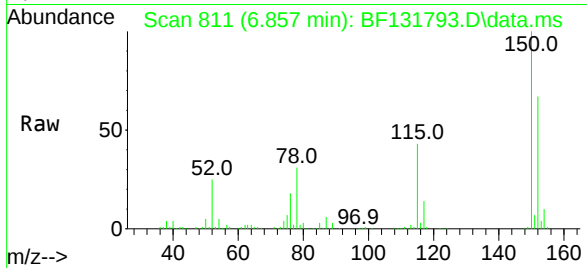
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

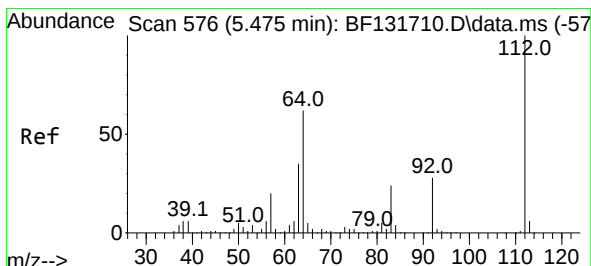
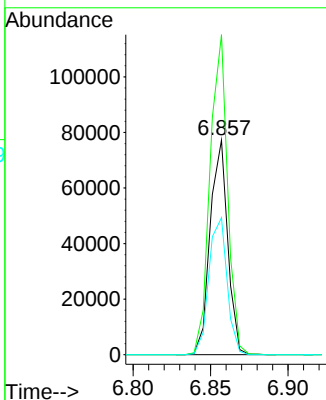
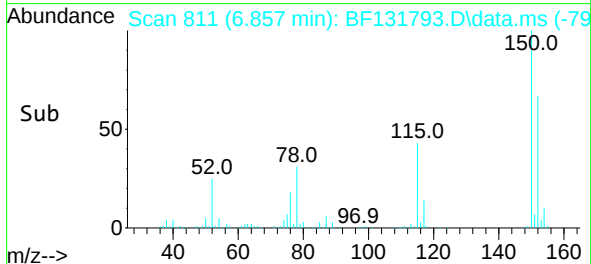
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)



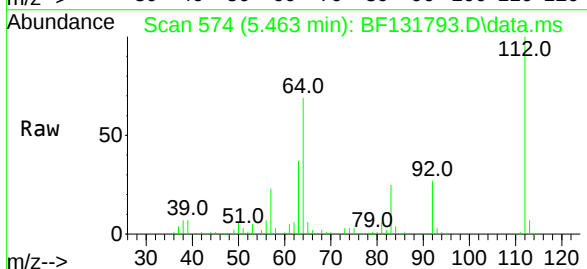
Tgt Ion:152 Resp: 60714
Ion Ratio Lower Upper
152 100
150 149.2 117.4 176.0
115 63.8 50.2 75.4

Manual Integrations
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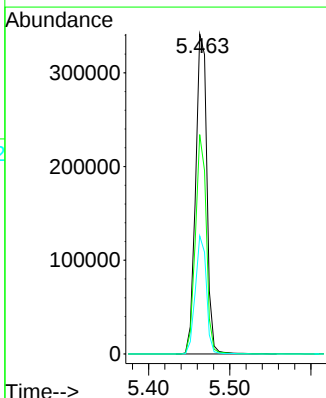
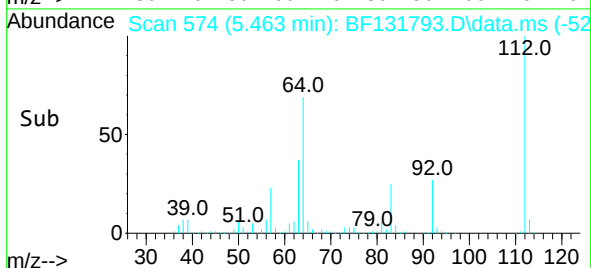
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

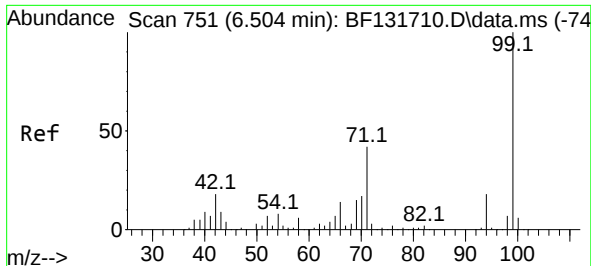


#5
2-Fluorophenol
Concen: 91.758 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03



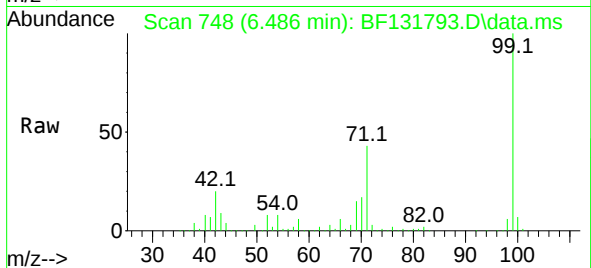
Tgt Ion:112 Resp: 330843
Ion Ratio Lower Upper
112 100
64 68.5 49.5 74.3
63 36.9 28.2 42.2





#7
Phenol-d6
Concen: 124.739 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

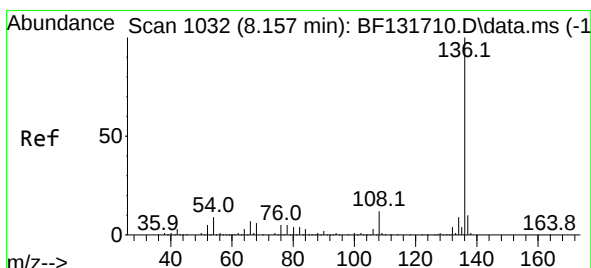
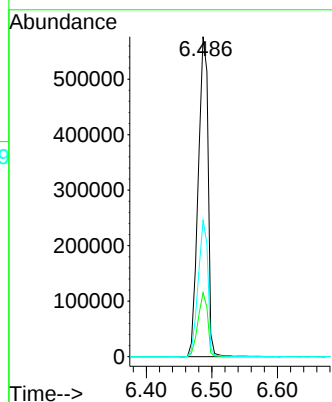
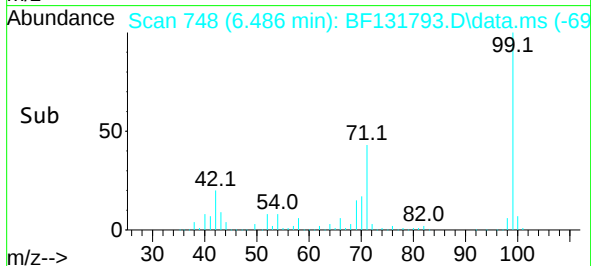
Instrument :
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ClientSampleId :
RB-34-(1.5-2)



Tgt Ion: 99 Resp: 60535
Ion Ratio Lower Upper
99 100
42 20.0 14.8 22.2
71 42.6 33.8 50.6

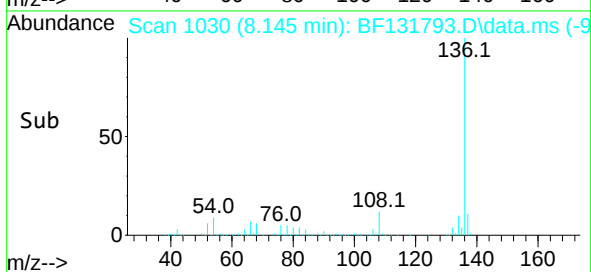
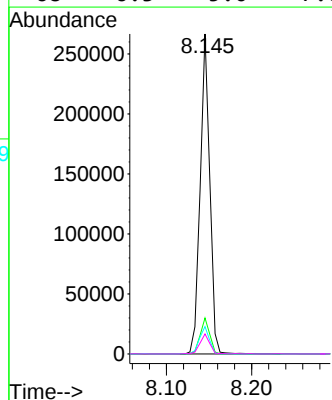
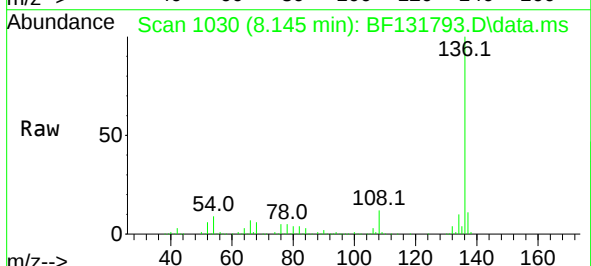
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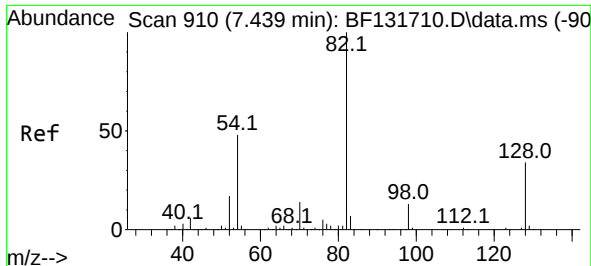
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Tgt Ion:136 Resp: 209091
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.6 7.2 10.8
68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 78.916 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)

Tgt Ion: 82 Resp: 40645

Ion Ratio Lower Upper

82 100

128 35.7 27.3 40.9

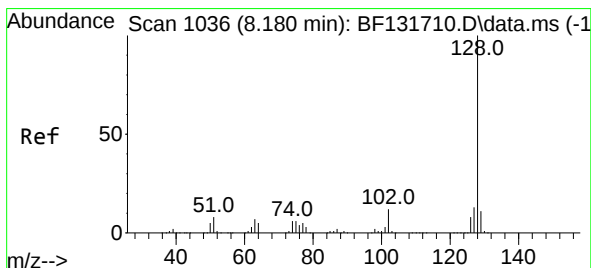
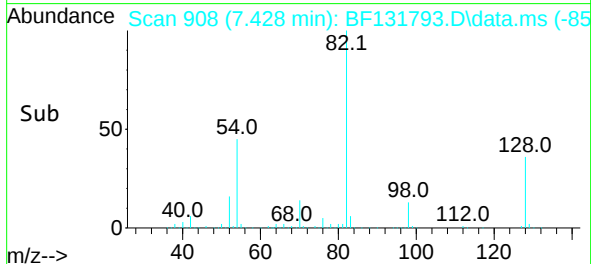
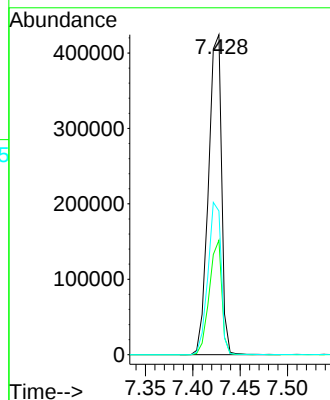
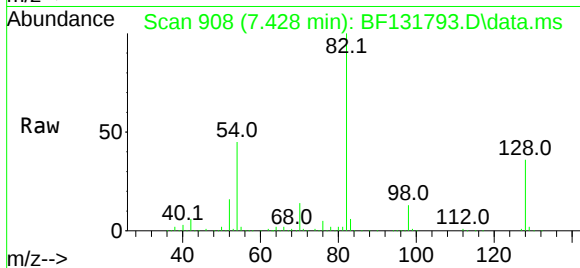
54 44.9 38.2 57.2

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#31

Naphthalene

Concen: 3.317 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.000 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

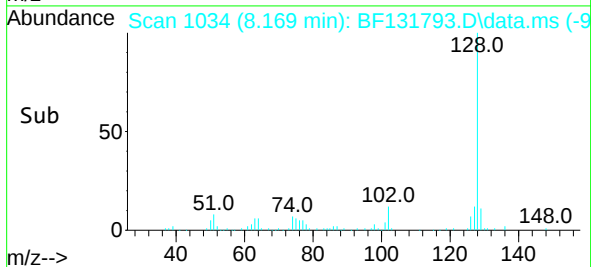
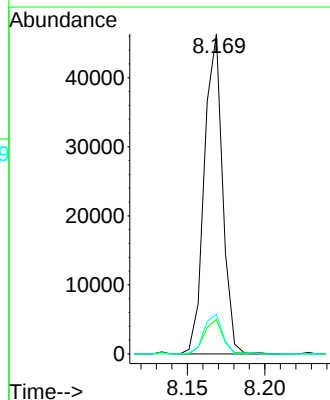
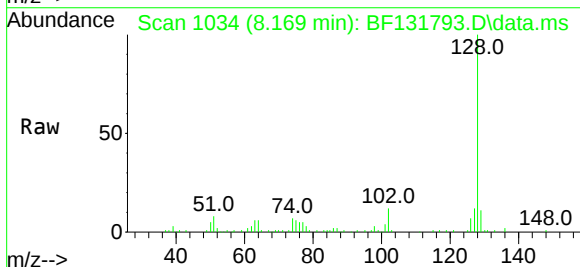
Tgt Ion:128 Resp: 37880

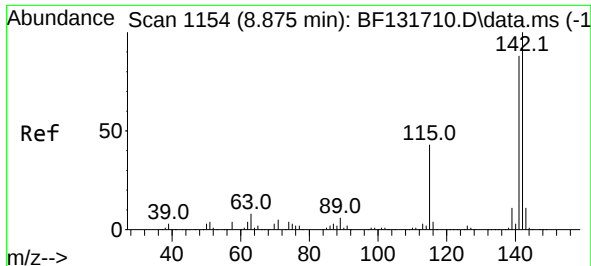
Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 12.4 10.6 15.8





#37

2-Methylnaphthalene

Concen: 6.340 ng

RT: 8.863 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF131793.D

Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)

Tgt Ion:142 Resp: 4938

Ion Ratio Lower Upper

142 100

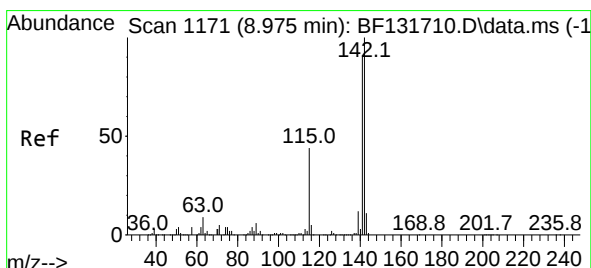
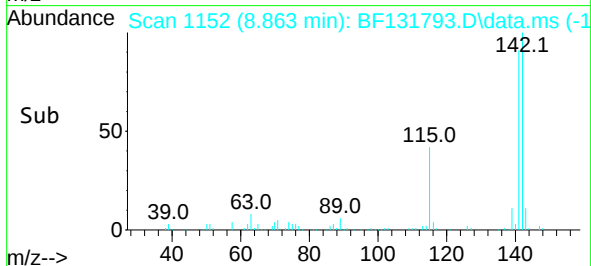
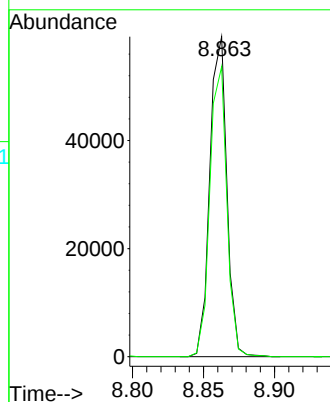
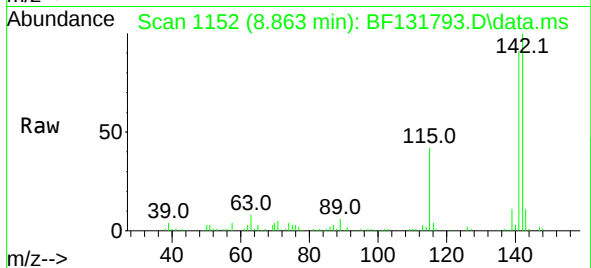
141 90.6 70.4 105.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/24/2022



#38

1-Methylnaphthalene

Concen: 5.274 ng

RT: 8.963 min Scan# 1169

Delta R.T. -0.000 min

Lab File: BF131793.D

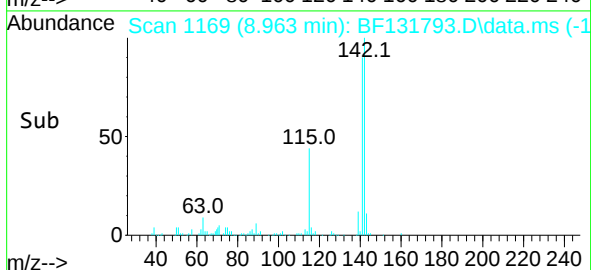
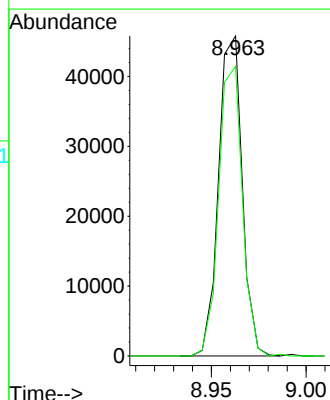
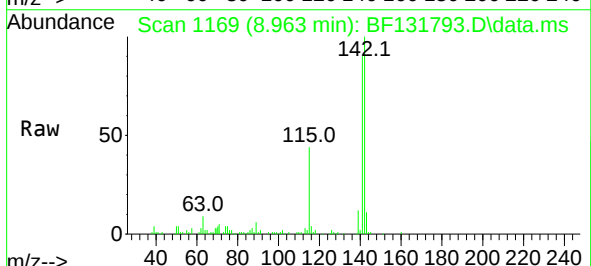
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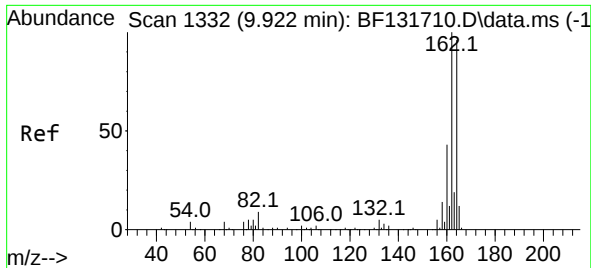
Tgt Ion:142 Resp: 39788

Ion Ratio Lower Upper

142 100

141 90.5 73.0 109.6





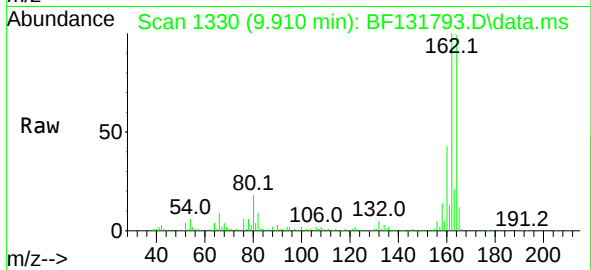
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Instrument :

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ClientSampleId :

RB-34-(1.5-2)

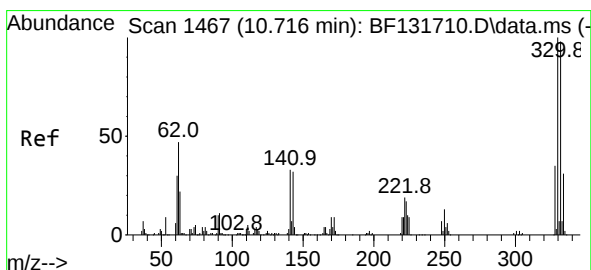
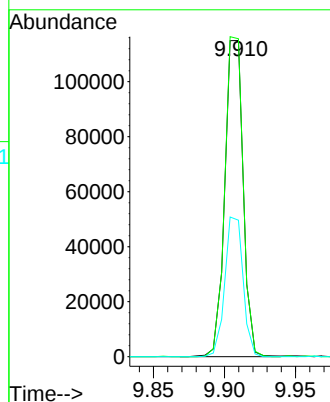
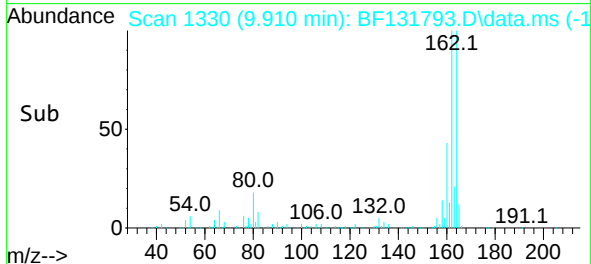


Tgt Ion:164 Resp: 10339
Ion Ratio Lower Upper
164 100
162 100.6 83.7 125.5
160 43.2 36.2 54.4

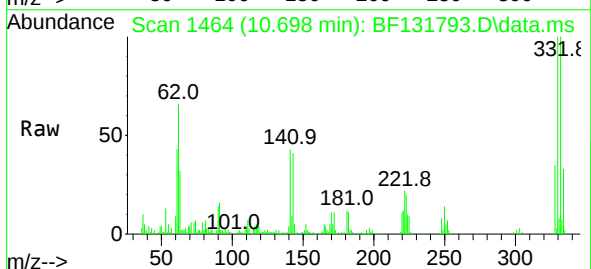
Manual Integrations

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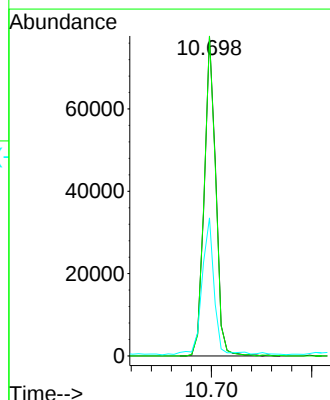
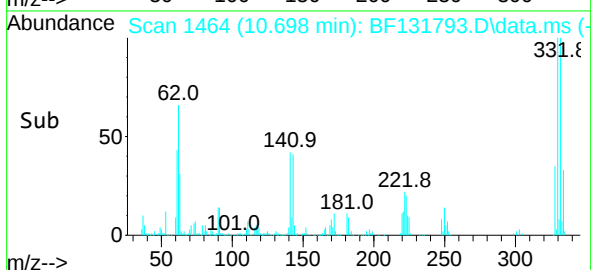
Reviewed By :Christian Giraldo 12/23/2022
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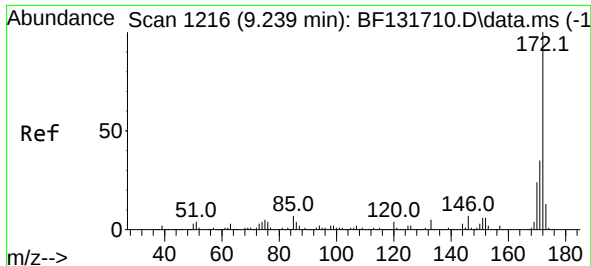


#42
2,4,6-Tribromophenol
Concen: 55.102 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03



Tgt Ion:330 Resp: 62359
Ion Ratio Lower Upper
330 100
332 99.3 77.1 115.7
141 44.4 30.4 45.6





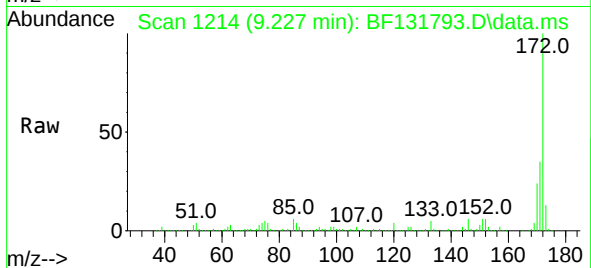
#45
2-Fluorobiphenyl
Concen: 97.304 ng
RT: 9.227 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

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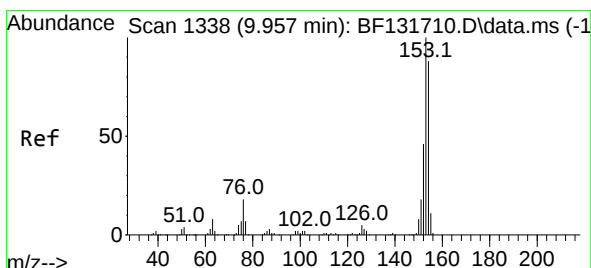
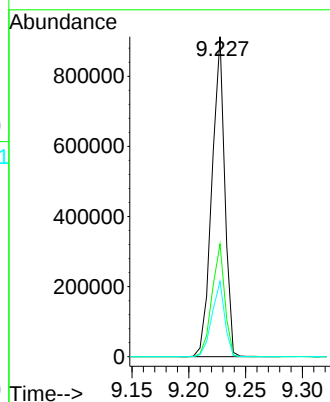
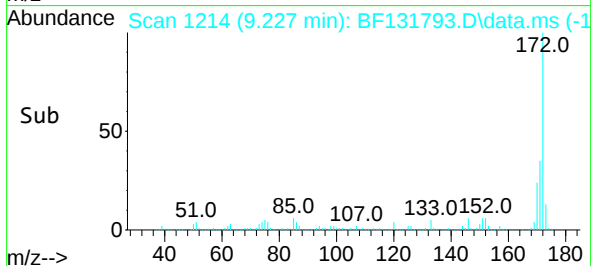


Tgt Ion:172 Resp: 71820
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.5 19.0 28.4

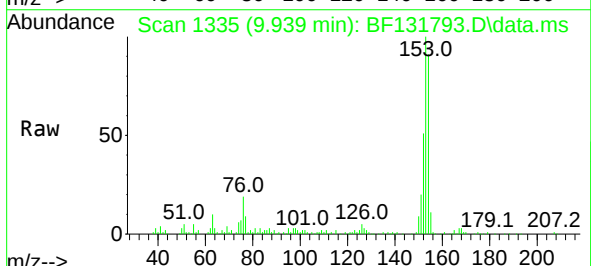
Manual Integrations

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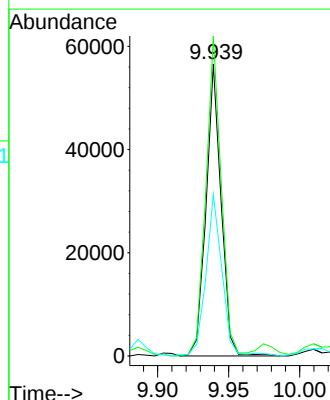
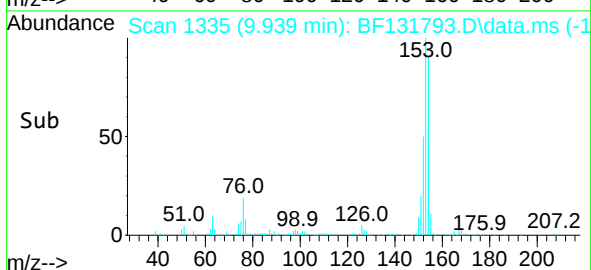
Reviewed By :Christian Giraldo 12/23/2022
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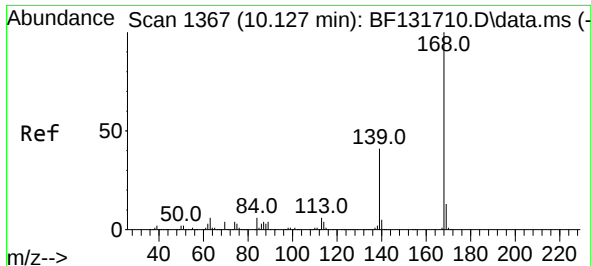


#52
Acenaphthene
Concen: 7.143 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03



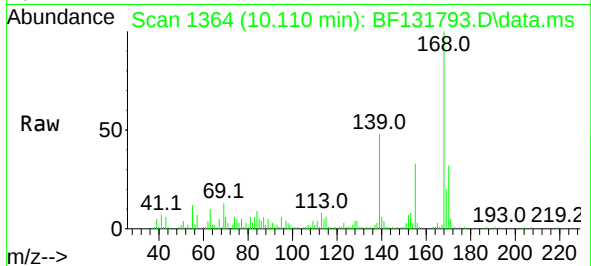
Tgt Ion:154 Resp: 41795
Ion Ratio Lower Upper
154 100
153 109.6 90.4 135.6
152 55.4 42.0 63.0





#55
Dibenzofuran
Concen: 2.552 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

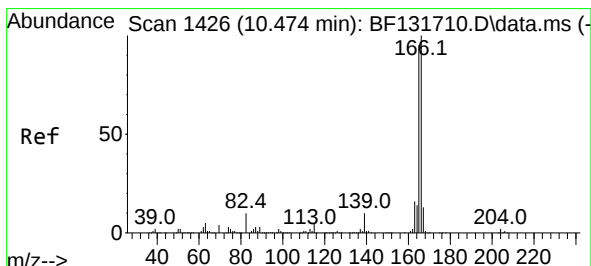
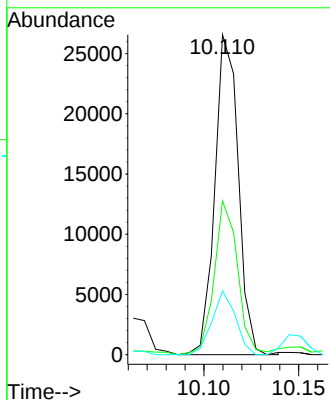
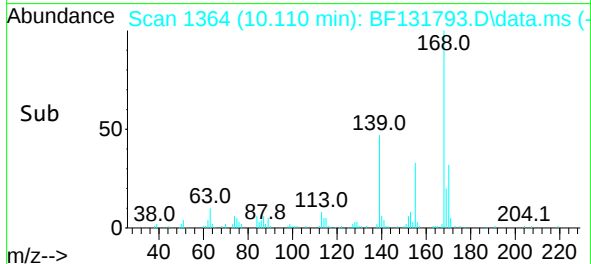
Instrument :
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ClientSampleId :
RB-34-(1.5-2)



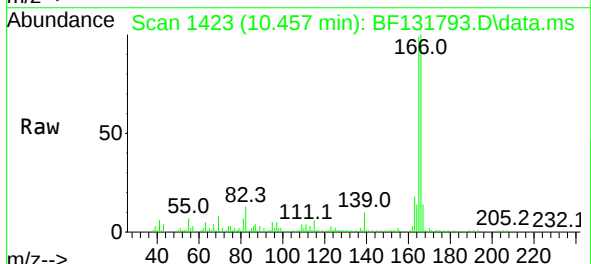
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Ion Ratio Lower Upper
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139 48.1 32.7 49.1
169 20.0 10.6 16.0

Manual Integrations
APPROVED

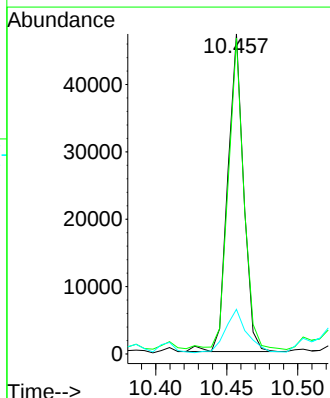
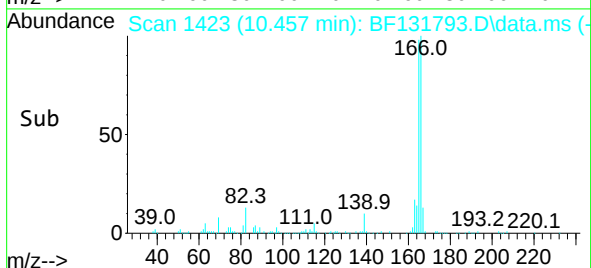
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

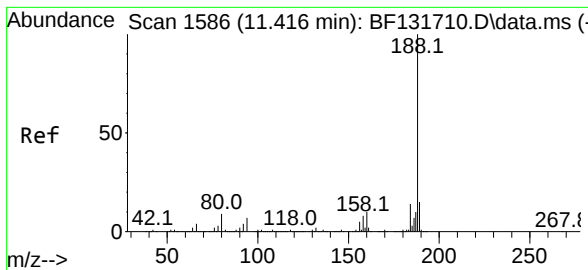


#58
Fluorene
Concen: 5.020 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03



Tgt Ion:166 Resp: 36417
Ion Ratio Lower Upper
166 100
165 98.7 75.8 113.8
167 13.9 10.6 15.8





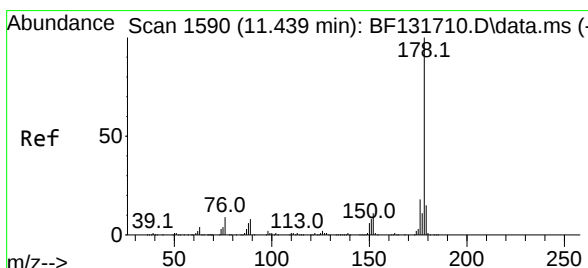
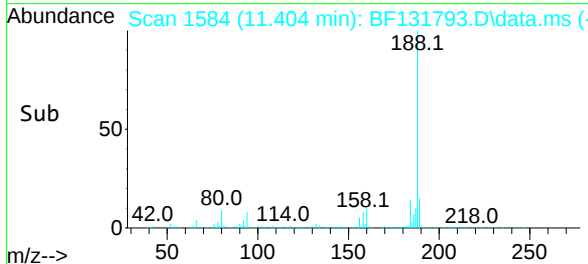
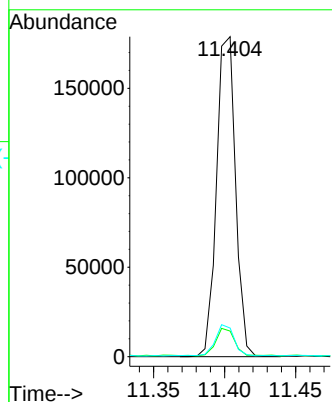
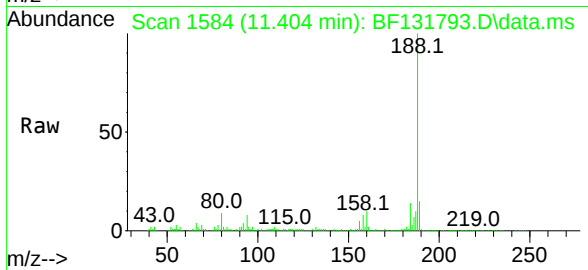
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)

Tgt Ion:188 Resp: 16639
Ion Ratio Lower Upper
188 100
94 8.0 5.9 8.9
80 9.0 7.0 10.6

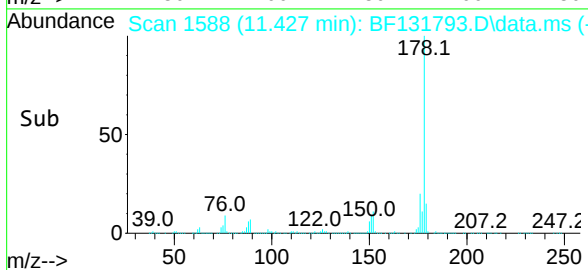
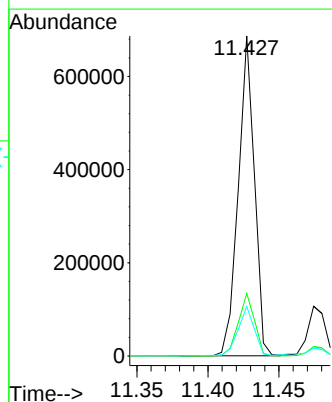
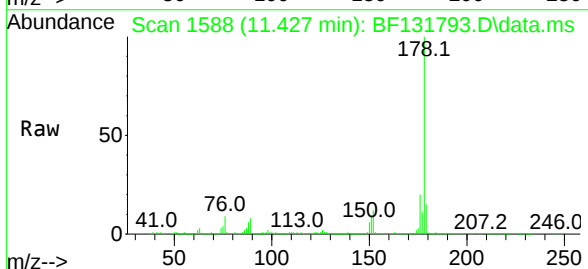
Manual Integrations
APPROVED

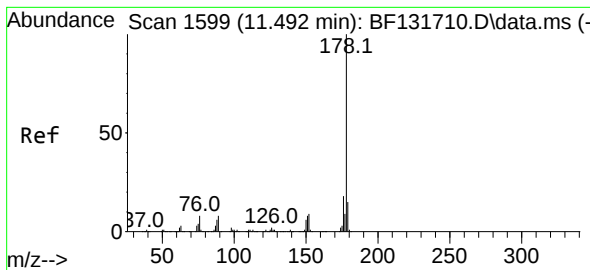
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#71
Phenanthrene
Concen: 60.033 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

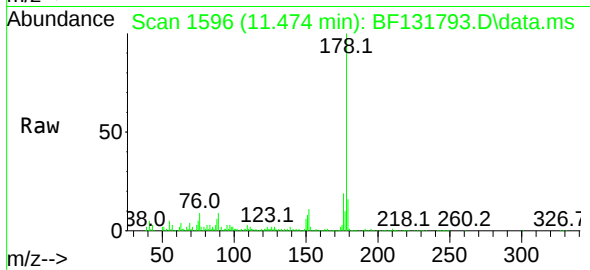
Tgt Ion:178 Resp: 544699
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 15.5 12.2 18.4





#72
 Anthracene
 Concen: 9.884 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131793.D
 Acq: 23 Dec 2022 00:03

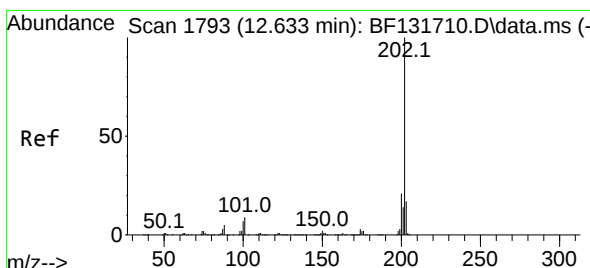
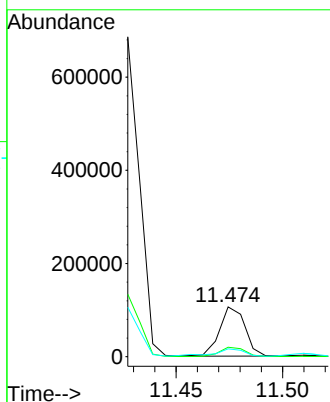
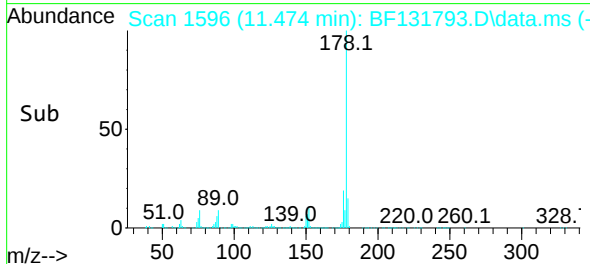
Instrument :
 BNA_F
 ClientSampleId :
 RB-34-(1.5-2)



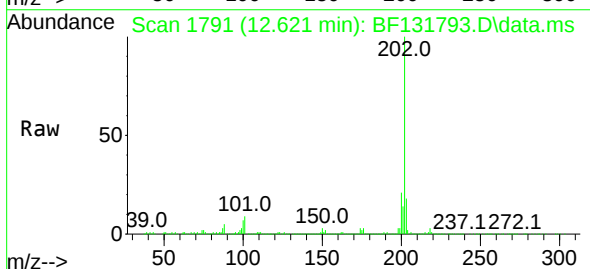
Tgt Ion:178 Resp: 87812
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.6 21.8
 179 15.6 12.2 18.4

Manual Integrations
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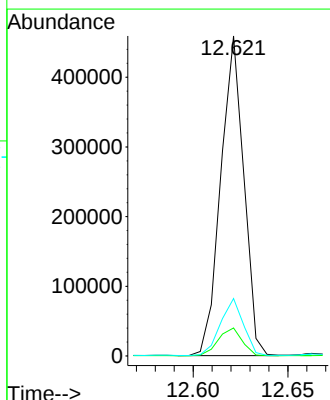
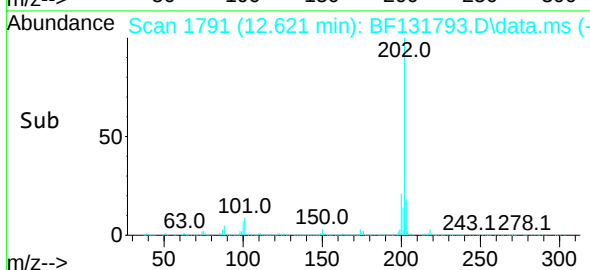
Reviewed By :Christian Giraldo 12/23/2022
 Supervised By :Jagrut Upadhyay 12/24/2022

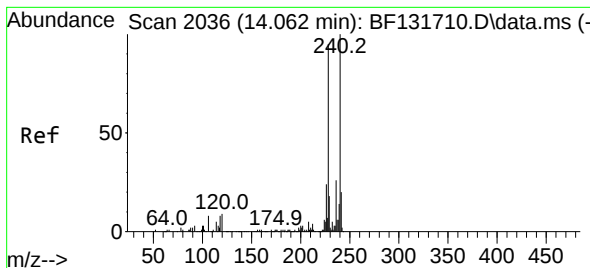


#75
 Fluoranthene
 Concen: 38.404 ng
 RT: 12.621 min Scan# 1791
 Delta R.T. 0.006 min
 Lab File: BF131793.D
 Acq: 23 Dec 2022 00:03



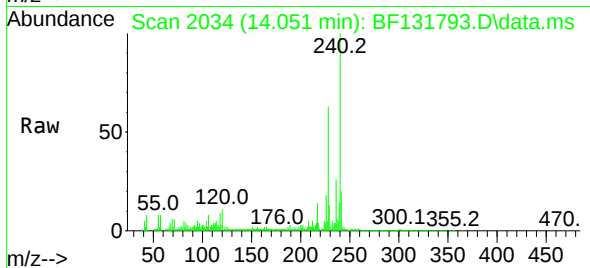
Tgt Ion:202 Resp: 388068
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 28.8
 203 18.0 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

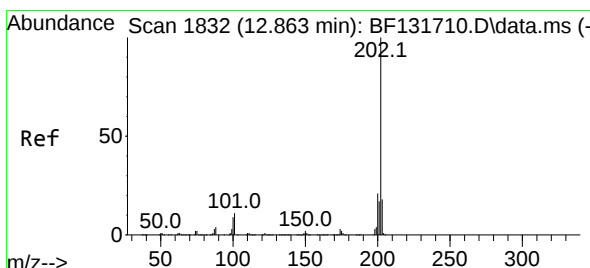
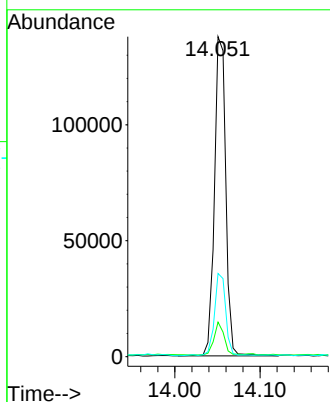
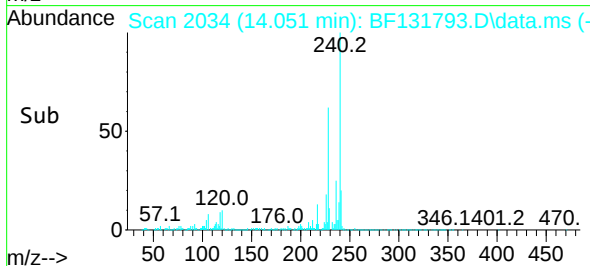
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)



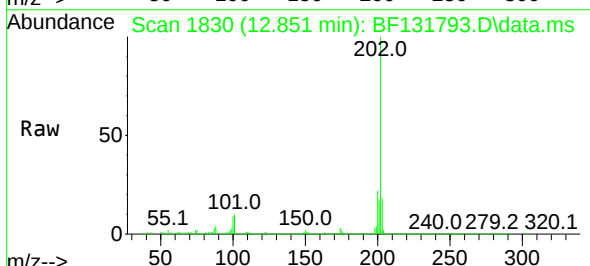
Tgt Ion:240 Resp: 127024
Ion Ratio Lower Upper
240 100
120 10.8 7.6 11.4
236 26.0 21.2 31.8

Manual Integrations
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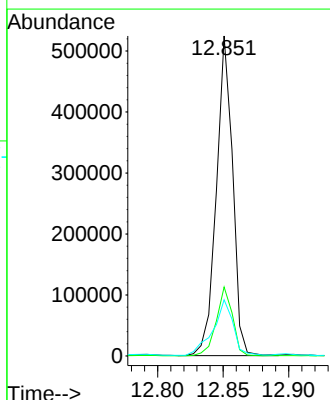
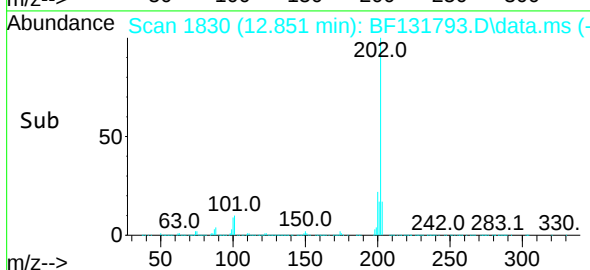
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

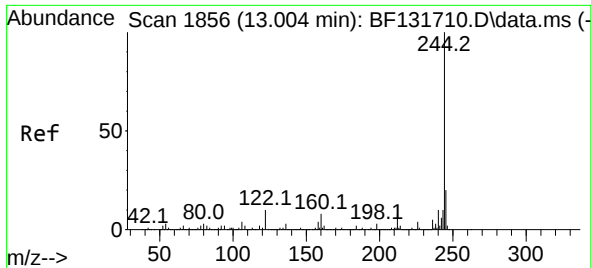


#78
Pyrene
Concen: 39.165 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03



Tgt Ion:202 Resp: 452307
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.5 14.1 21.1





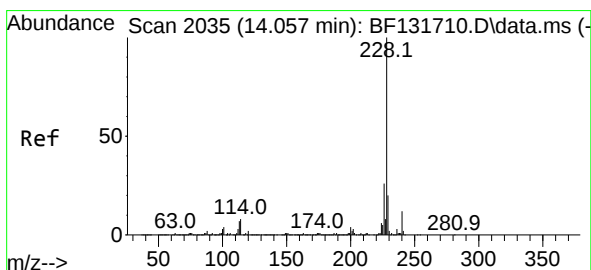
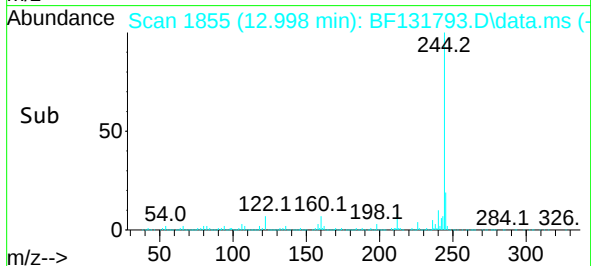
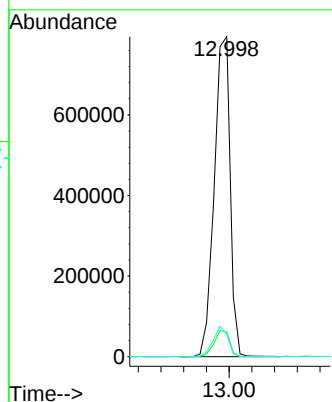
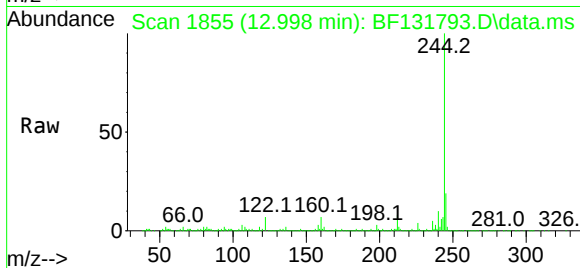
#79
 Terphenyl-d14
 Concen: 94.725 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. 0.006 min
 Lab File: BF131793.D
 Acq: 23 Dec 2022 00:03

Instrument :
 BNA_F
 ClientSampleId :
 RB-34-(1.5-2)

Tgt Ion:244 Resp: 772038
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 7.0 7.7 11.5

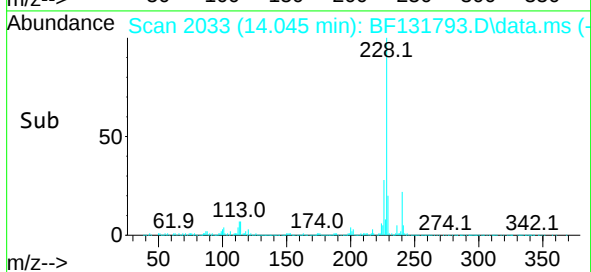
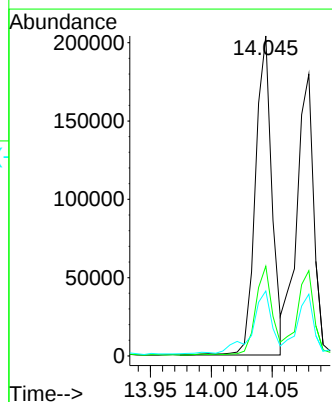
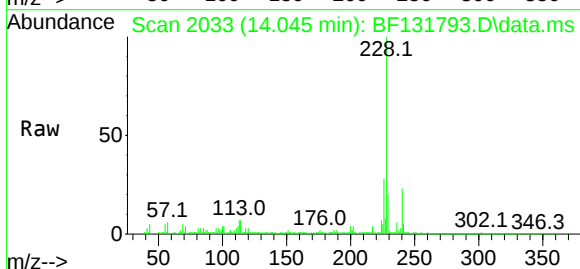
Manual Integrations
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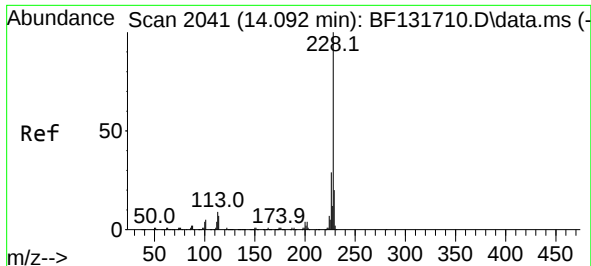
Reviewed By :Christian Giraldo 12/23/2022
 Supervised By :Jagrut Upadhyay 12/24/2022



#81
 Benzo(a)anthracene
 Concen: 20.882 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF131793.D
 Acq: 23 Dec 2022 00:03

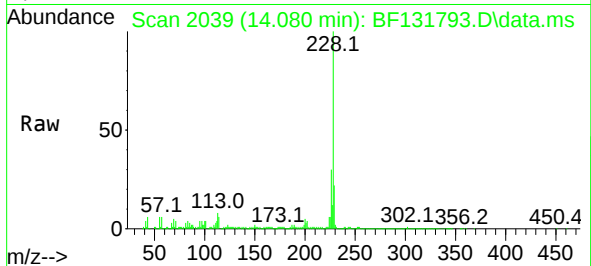
Tgt Ion:228 Resp: 191036
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.0 31.4
 229 20.3 15.8 23.8





#83
Chrysene
Concen: 20.461 ng
RT: 14.080 min Scan# 2041
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

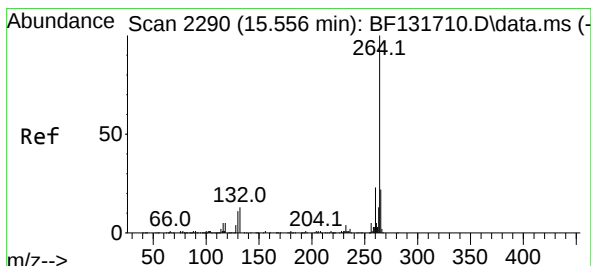
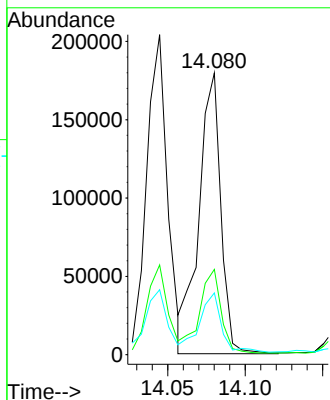
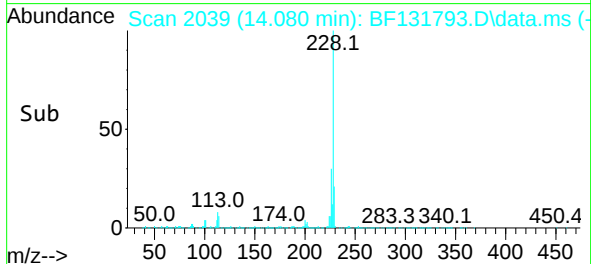
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)



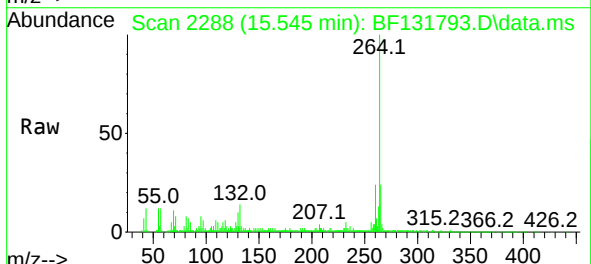
Tgt Ion:228 Resp: 176669
Ion Ratio Lower Upper
228 100
226 30.3 23.5 35.3
229 21.9 15.6 23.4

Manual Integrations
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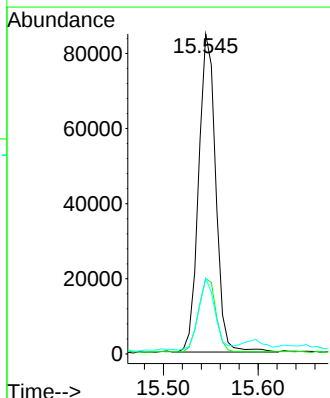
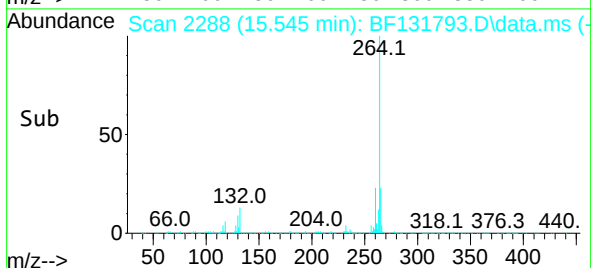
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

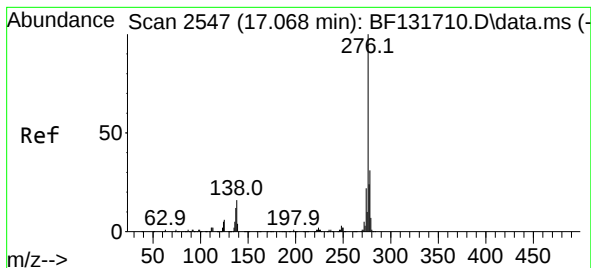


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.011 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03



Tgt Ion:264 Resp: 106228
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 23.7 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.371 ng
RT: 17.050 min Scan# 21
Delta R.T. 0.011 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

Instrument :

BNA_F

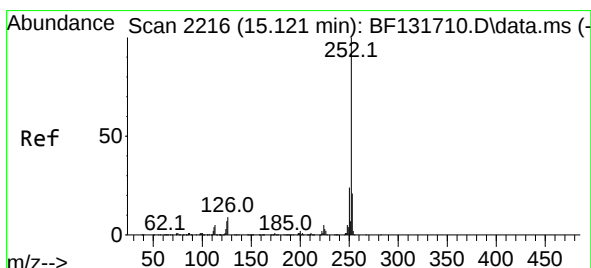
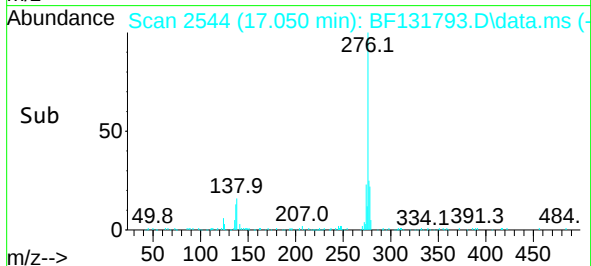
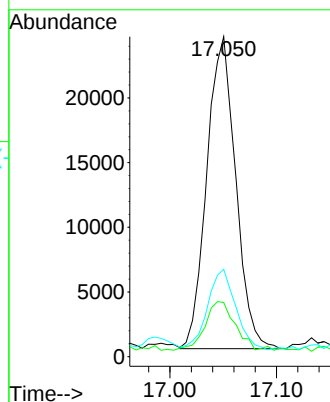
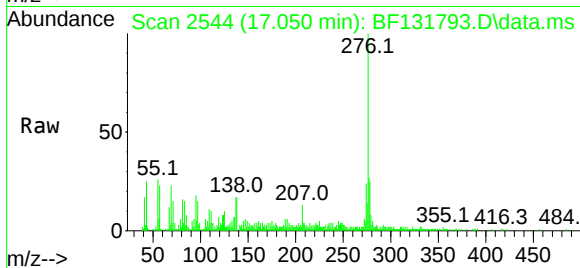
ClientSampleId :

RB-34-(1.5-2)

Tgt Ion:276 Resp: 4545
Ion Ratio Lower Upper
276 100
138 16.2 14.4 21.6
277 25.2 19.8 29.8

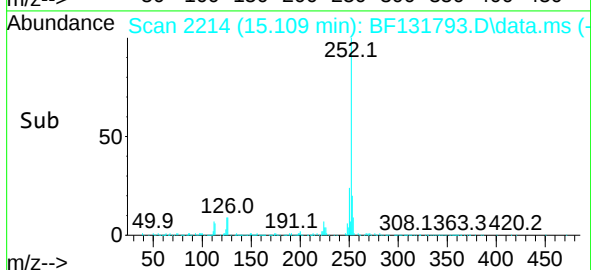
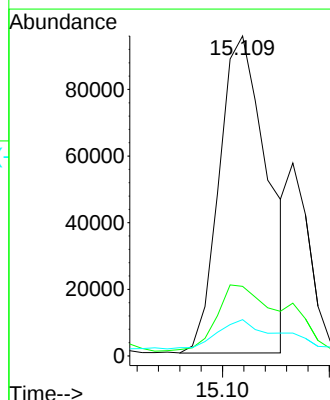
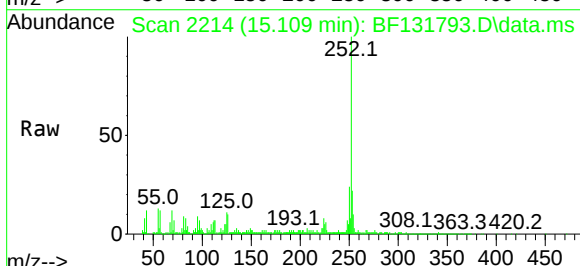
Manual Integrations
APPROVED

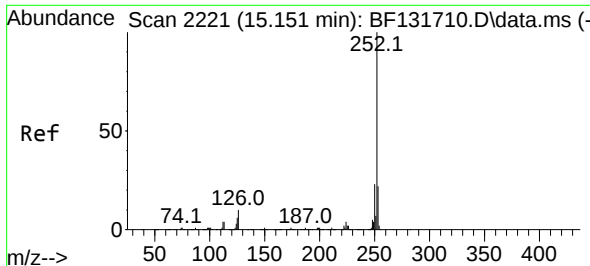
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#88
Benzo(b)fluoranthene
Concen: 19.775 ng m
RT: 15.109 min Scan# 2214
Delta R.T. 0.011 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

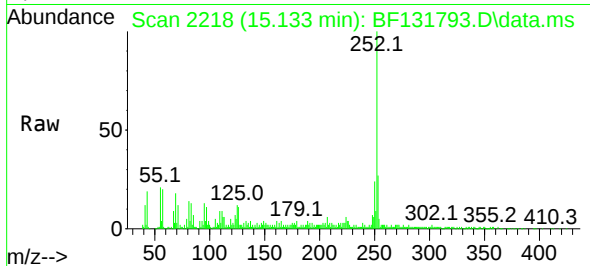
Tgt Ion:252 Resp: 148616
Ion Ratio Lower Upper
252 100
253 21.7 17.2 25.8
125 11.4 5.5 8.3#





#89
Benzo(k)fluoranthene
Concen: 5.576 ng m
RT: 15.133 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

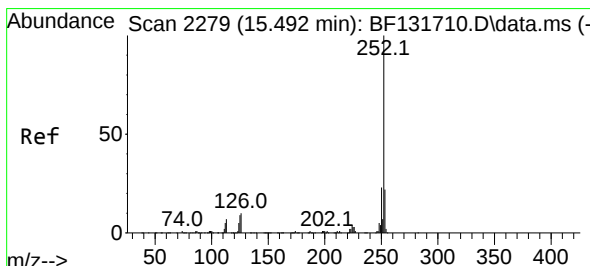
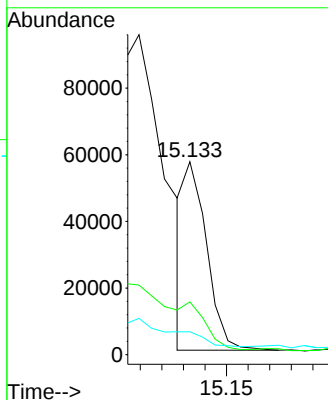
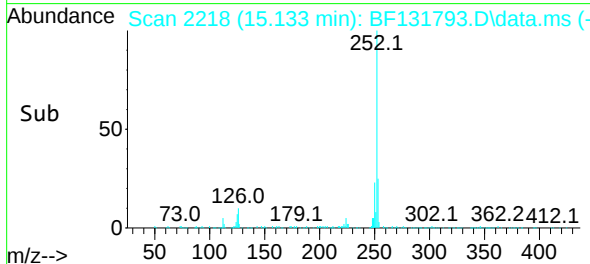
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)



Tgt Ion:252 Resp: 4089
Ion Ratio Lower Upper
252 100
253 27.4 17.8 26.8
125 11.9 5.2 7.8

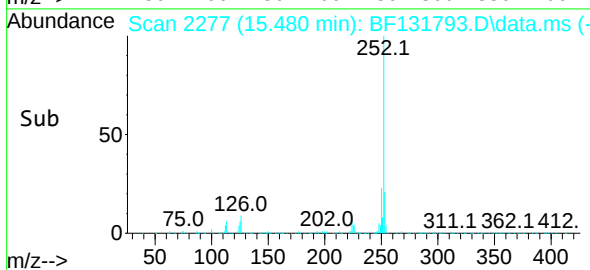
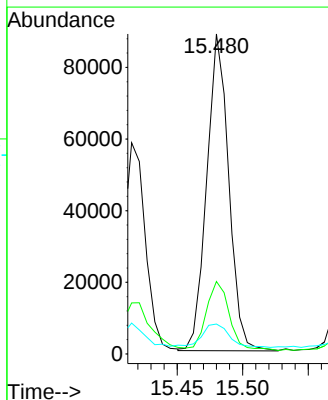
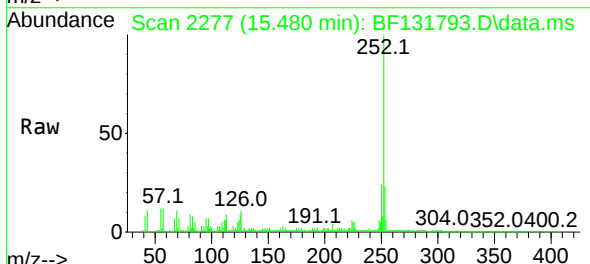
Manual Integrations
APPROVED

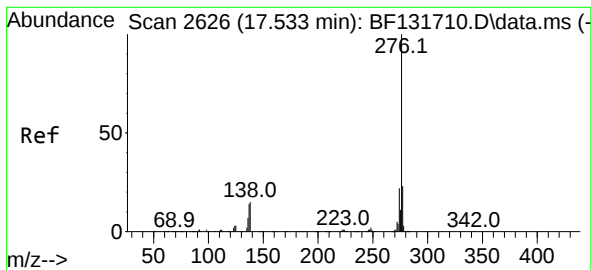
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#90
Benzo(a)pyrene
Concen: 17.344 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BF131793.D
Acq: 23 Dec 2022 00:03

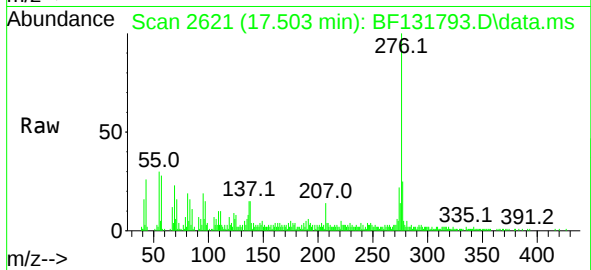
Tgt Ion:252 Resp: 103253
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.4 7.0 10.4





#92
 Benzo(g,h,i)perylene
 Concen: 7.768 ng
 RT: 17.503 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF131793.D
 Acq: 23 Dec 2022 00:03

Instrument :
 BNA_F
 ClientSampleId :
 RB-34-(1.5-2)



Tgt Ion: 276 Resp: 45272
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.3 27.5
 138 14.9 12.3 18.5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/23/2022
 Supervised By : Jagrut Upadhyay 12/24/2022

