

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131170.D
 Acq On : 12 Nov 2022 00:20
 Operator : CG\JU
 Sample : N5556-07 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-7

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

Quant Time: Nov 12 01:38:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	83212	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	280256	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	98991	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	211061	20.000	ng	0.00
76) Chrysene-d12	14.063	240	124889	20.000	ng	0.00
86) Perylene-d12	15.557	264	109773	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	117584	24.031	ng	0.00
7) Phenol-d6	6.498	99	191994	30.013	ng	0.00
23) Nitrobenzene-d5	7.434	82	115522	18.598	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	15748	15.393	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	201198	28.373	ng	0.00
79) Terphenyl-d14	12.998	244	172647	24.238	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	14005	2.474	ng	97
58) Fluorene	10.469	166	17023	2.500	ng	92
71) Phenanthrene	11.433	178	217596	18.745	ng	99
72) Anthracene	11.486	178	65885	5.848	ng	98
75) Fluoranthene	12.627	202	173806	14.958	ng	99
78) Pyrene	12.863	202	160395	14.969	ng	99
81) Benzo(a)anthracene	14.051	228	65230	7.307	ng	94
83) Chrysene	14.086	228	52403	6.216	ng	96
87) Indeno(1,2,3-cd)pyrene	17.068	276	20568	5.970	ng	99
88) Benzo(b)fluoranthene	15.115	252	47523	6.123	ng	# 85
89) Benzo(k)fluoranthene	15.145	252	20569m	2.757	ng	
90) Benzo(a)pyrene	15.492	252	46505	7.474	ng	# 91
91) Dibenzo(a,h)anthracene	17.074	278	5837	4.577	ng	# 48
92) Benzo(g,h,i)perylene	17.533	276	19523	6.665	ng	# 87

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

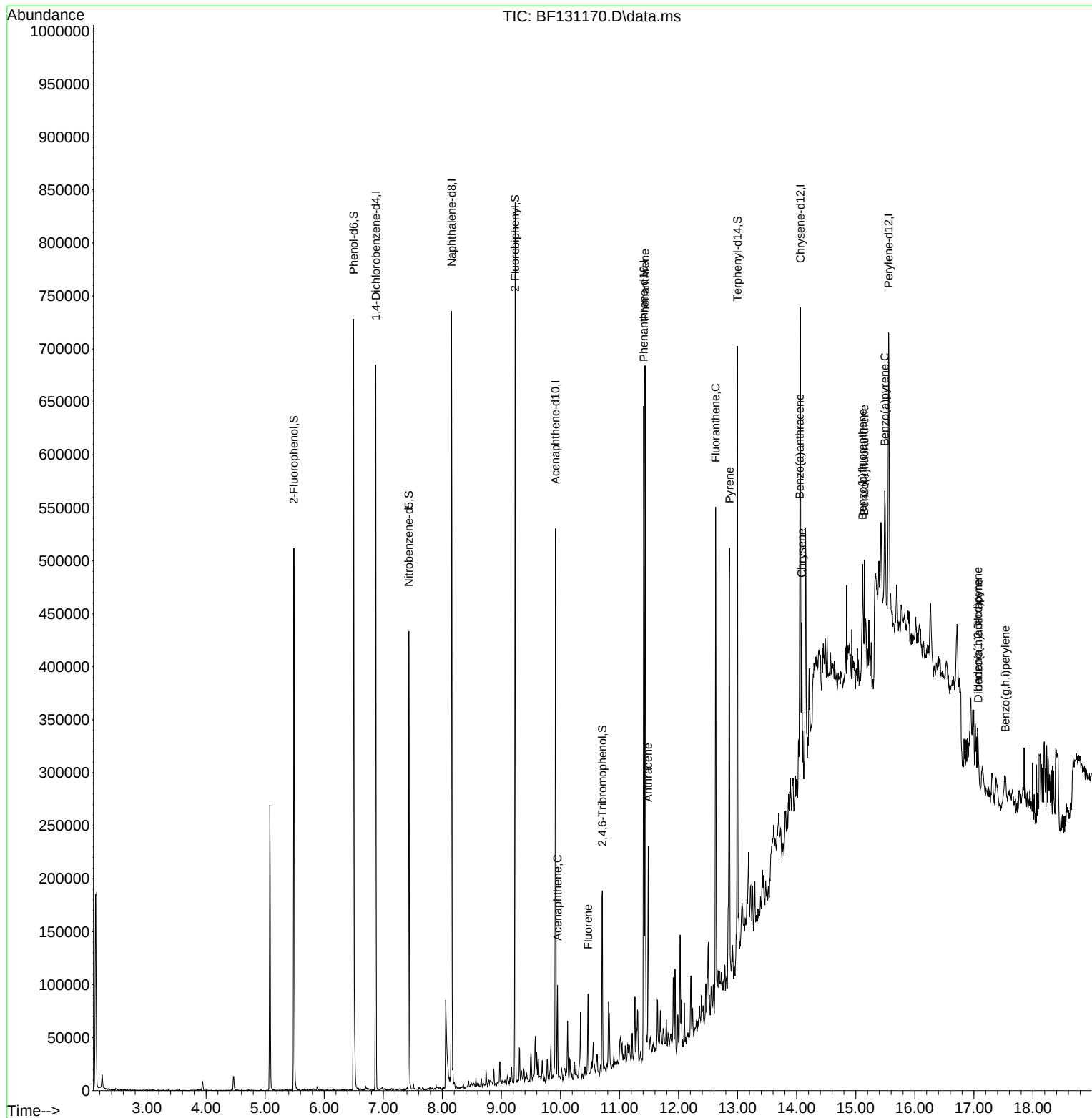
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131170.D
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ALS Vial : 15 Sample Multiplier: 1

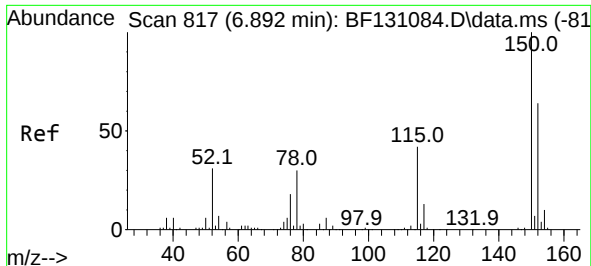
Instrument :
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Quant Time: Nov 12 01:38:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
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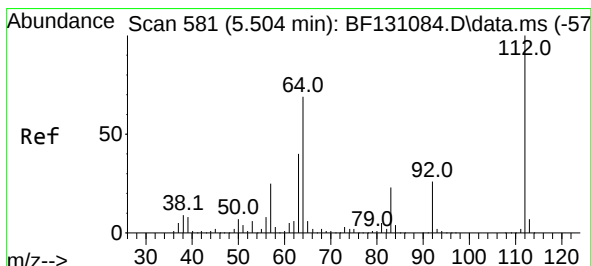
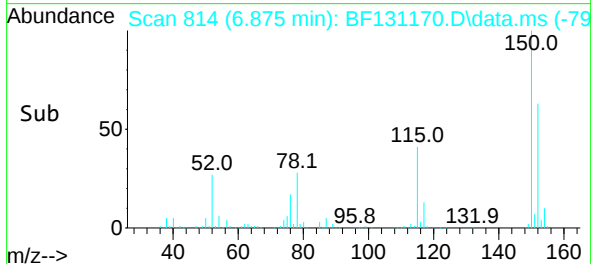
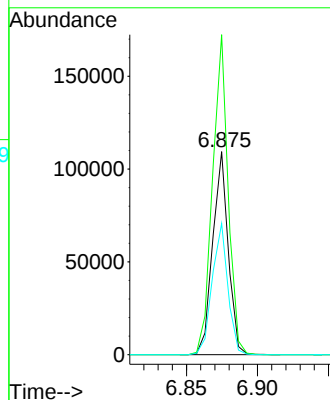
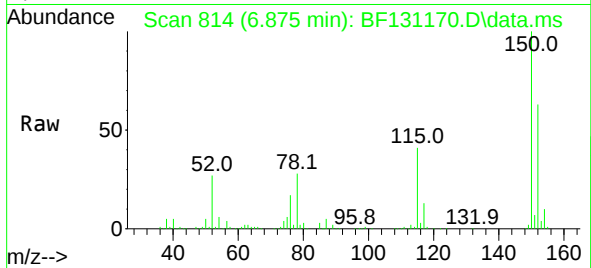
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Instrument :
BNA_F
ClientSampleId :
RM-7

Tgt Ion:152 Resp: 83212
Ion Ratio Lower Upper
152 100
150 157.6 125.5 188.3
115 64.6 52.2 78.2

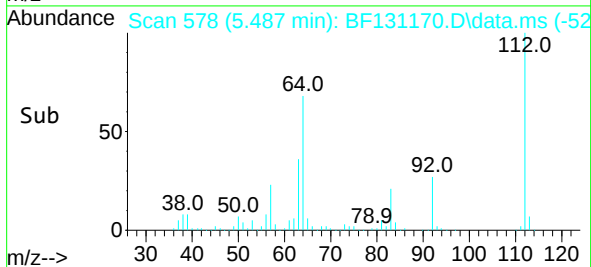
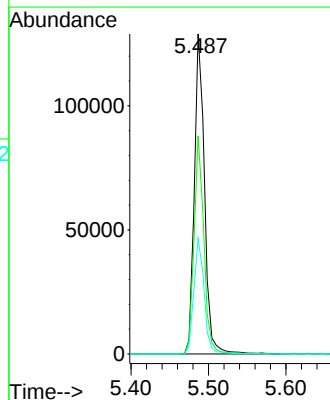
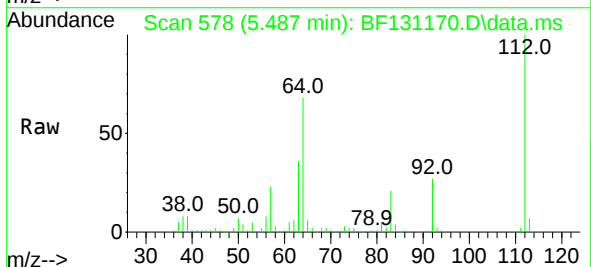
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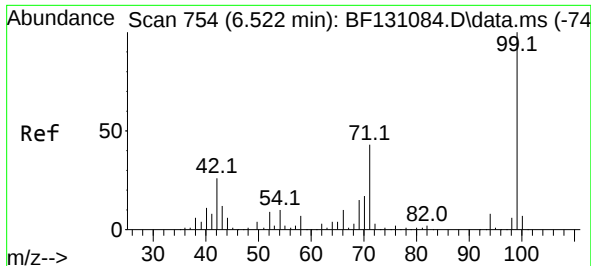
Reviewed By :Christian Giraldo 11/12/2022
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#5
2-Fluorophenol
Concen: 24.031 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

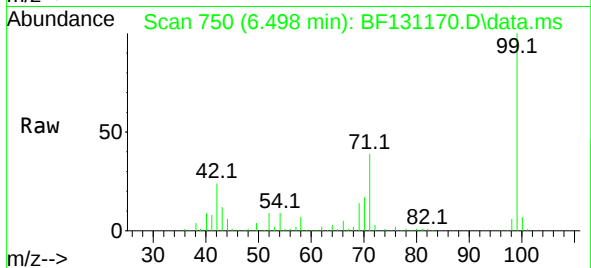
Tgt Ion:112 Resp: 117584
Ion Ratio Lower Upper
112 100
64 68.2 55.1 82.7
63 36.1 32.4 48.6





#7
Phenol-d6
Concen: 30.013 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

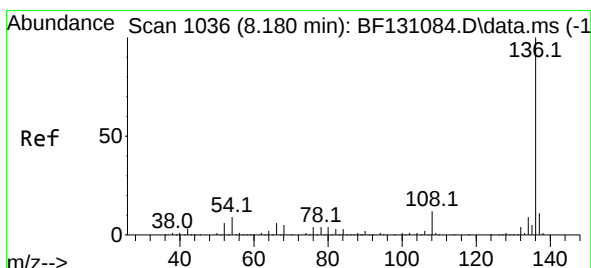
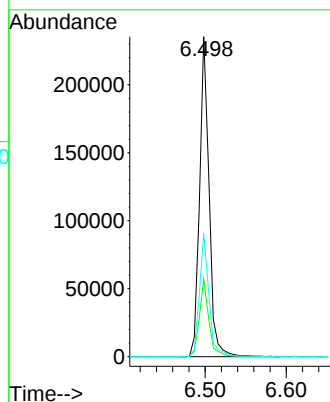
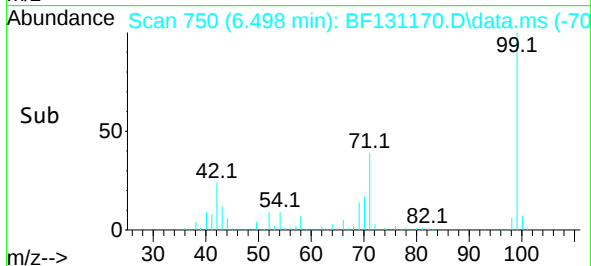
Instrument :
BNA_F
ClientSampleId :
RM-7



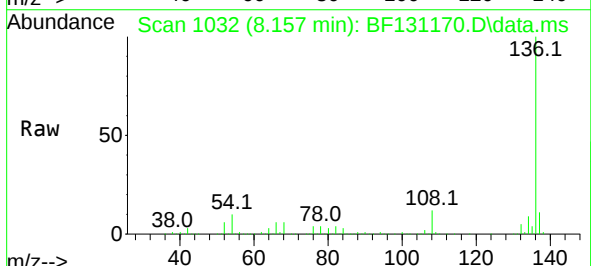
Tgt Ion: 99 Resp: 191994
Ion Ratio Lower Upper
99 100
42 24.3 20.8 31.2
71 38.6 34.2 51.4

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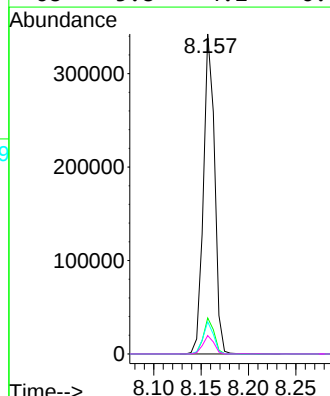
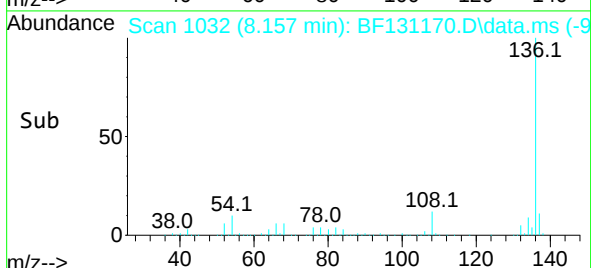
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

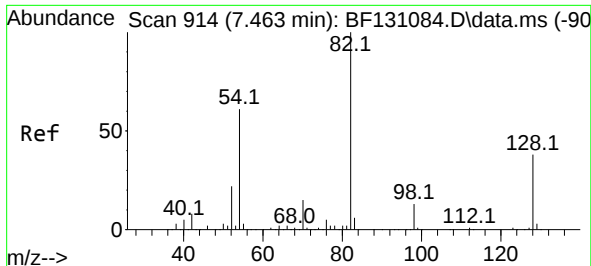


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20



Tgt Ion:136 Resp: 280256
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.0 7.2 10.8
68 5.8 4.2 6.4





#23

Nitrobenzene-d5

Concen: 18.598 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

Instrument :

BNA_F

ClientSampleId :

RM-7

Tgt Ion: 82 Resp: 11552

Ion Ratio Lower Upper

82 100

128 41.0 30.5 45.7

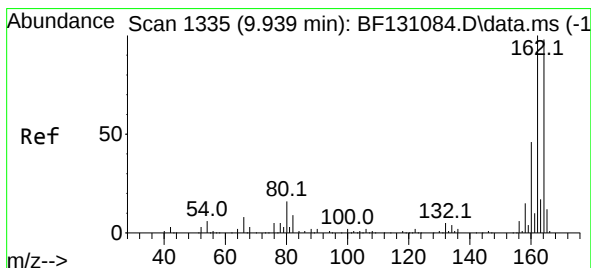
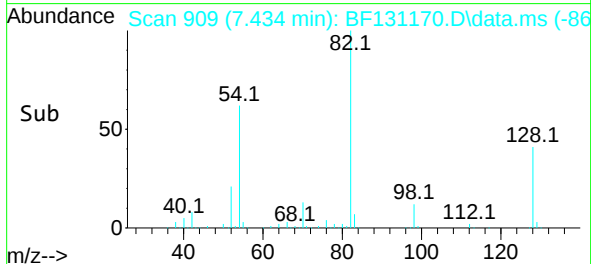
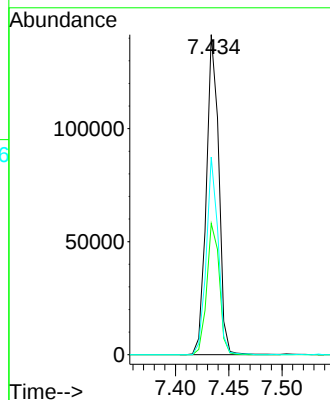
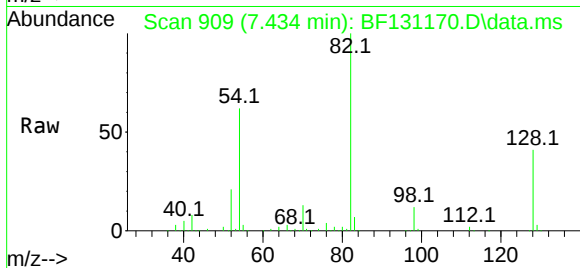
54 61.8 49.1 73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

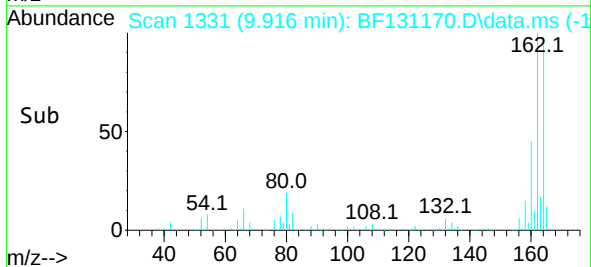
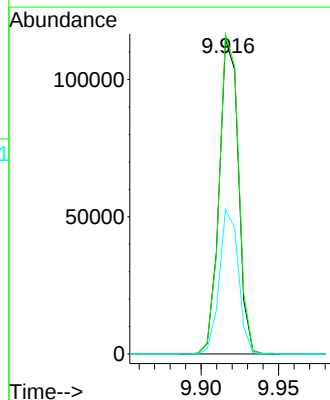
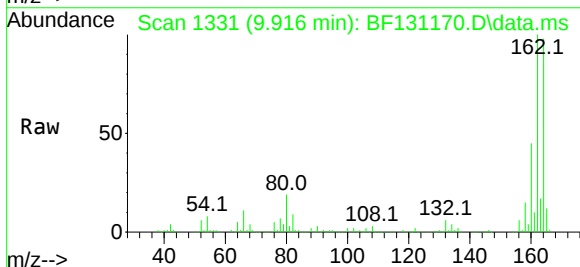
Tgt Ion:164 Resp: 98991

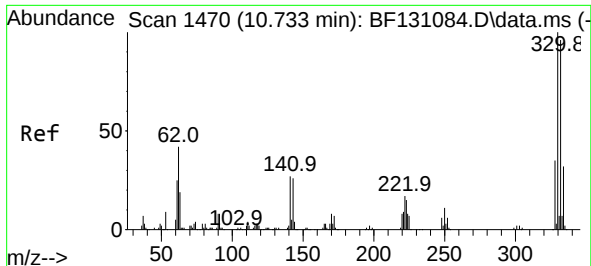
Ion Ratio Lower Upper

164 100

162 101.7 81.7 122.5

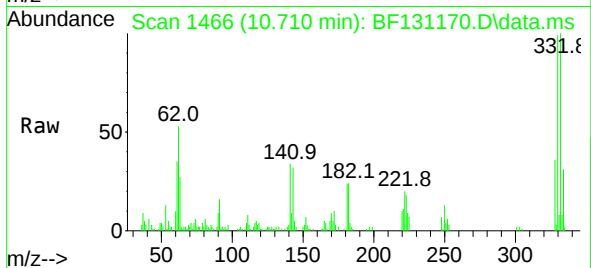
160 46.0 37.4 56.2





#42
2,4,6-Tribromophenol
Concen: 15.393 ng
RT: 10.710 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

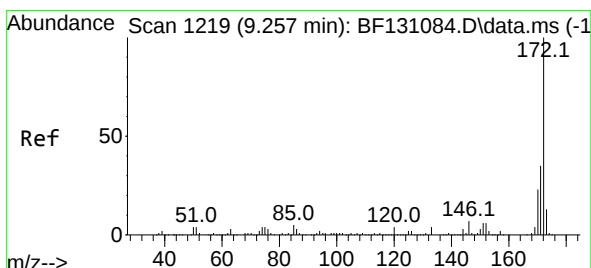
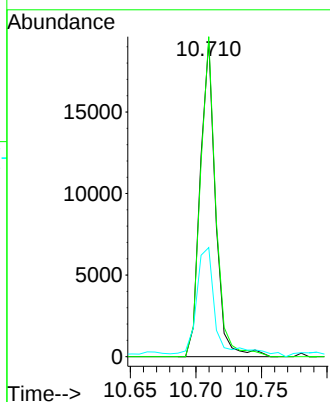
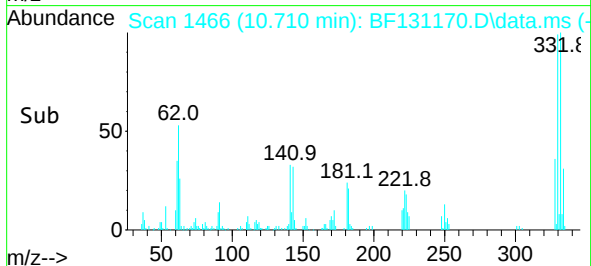
Instrument :
BNA_F
ClientSampleId :
RM-7



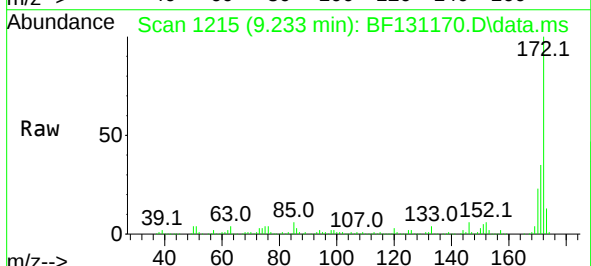
Tgt Ion: 330 Resp: 1574
Ion Ratio Lower Upper
330 100
332 101.6 77.0 115.4
141 44.8 28.5 42.7

Manual Integrations
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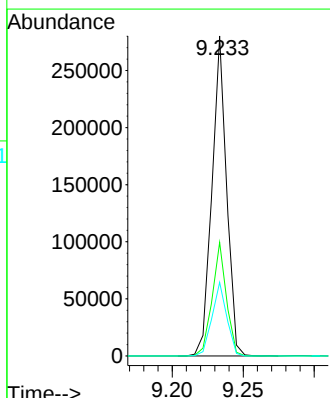
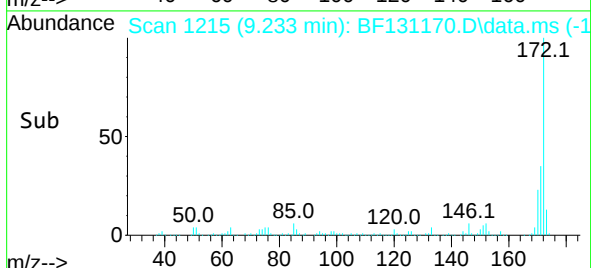
Reviewed By : Christian Giraldo 11/12/2022
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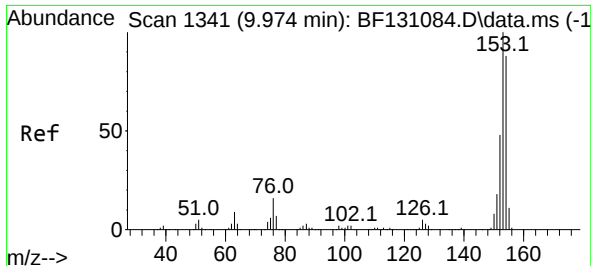


#45
2-Fluorobiphenyl
Concen: 28.373 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20



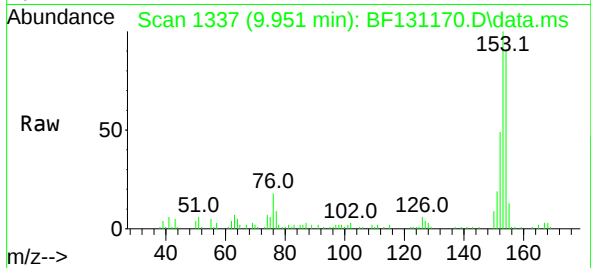
Tgt Ion: 172 Resp: 201198
Ion Ratio Lower Upper
172 100
171 35.5 27.7 41.5
170 23.0 18.8 28.2





#52
Acenaphthene
Concen: 2.474 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

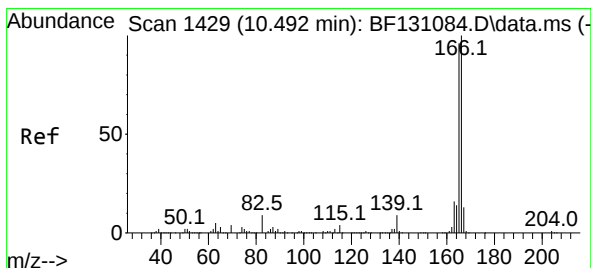
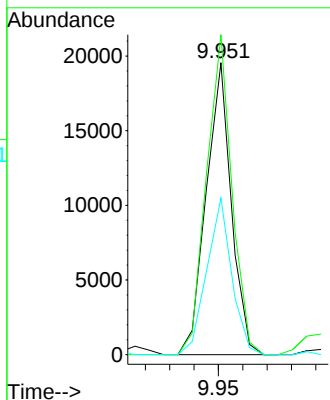
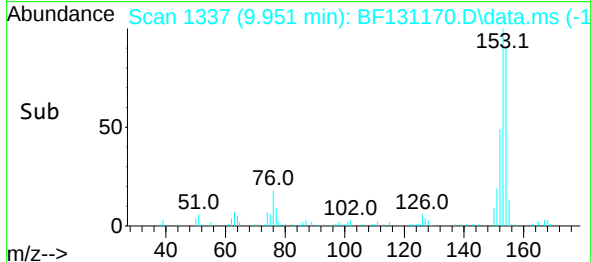
Instrument :
BNA_F
ClientSampleId :
RM-7



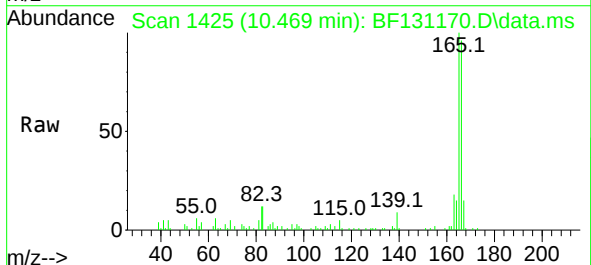
Tgt Ion:154 Resp: 1400
Ion Ratio Lower Upper
154 100
153 109.6 90.8 136.2
152 53.7 43.4 65.2

Manual Integrations
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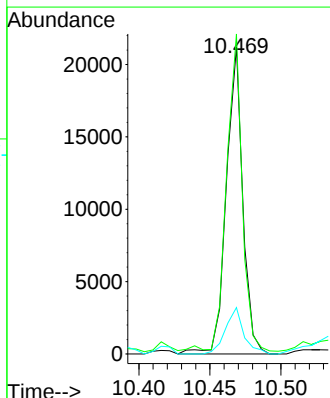
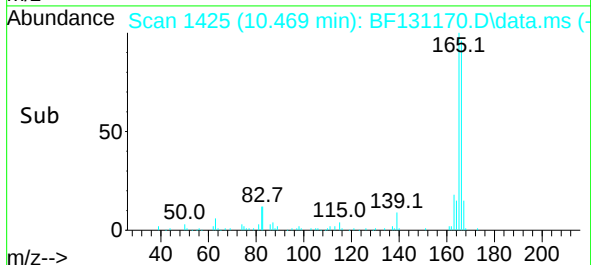
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Supervised By :Jagrut Upadhyay 11/12/2022

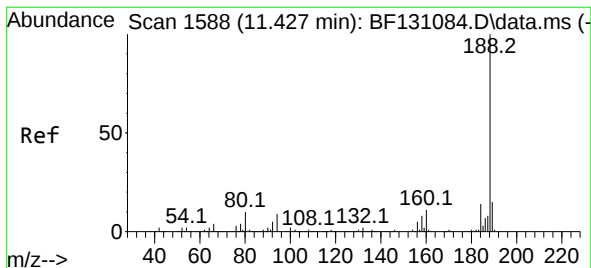


#58
Fluorene
Concen: 2.500 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20



Tgt Ion:166 Resp: 17023
Ion Ratio Lower Upper
166 100
165 104.2 77.2 115.8
167 15.1 10.2 15.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

Instrument :

BNA_F

ClientSampleId :

RM-7

Tgt Ion:188 Resp: 21106

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

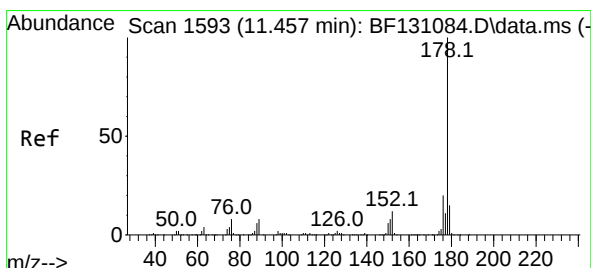
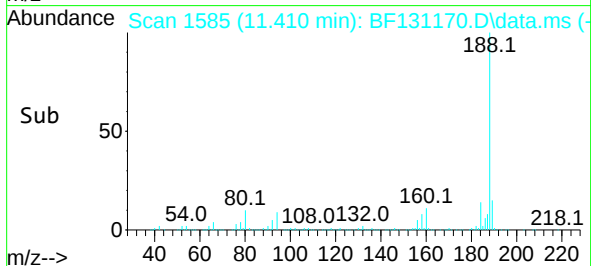
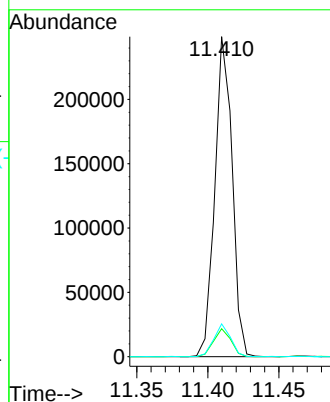
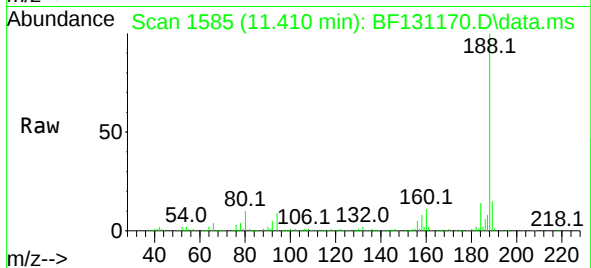
80 10.2 7.9 11.9

Manual Integrations

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#71

Phenanthrene

Concen: 18.745 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.000 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

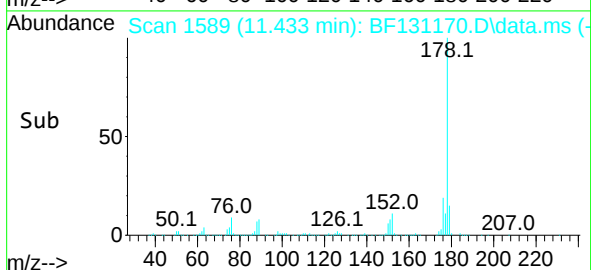
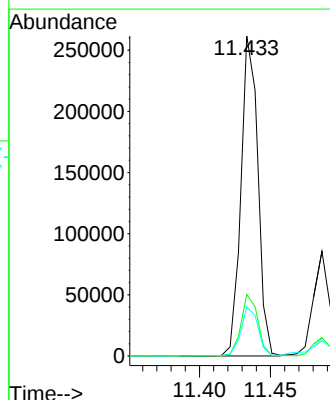
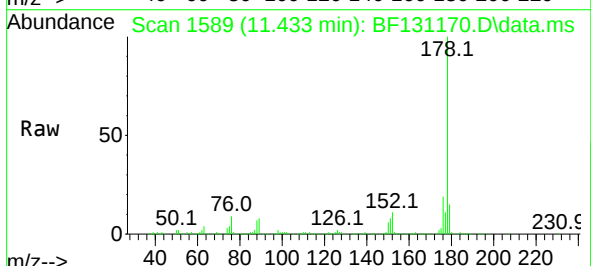
Tgt Ion:178 Resp: 217596

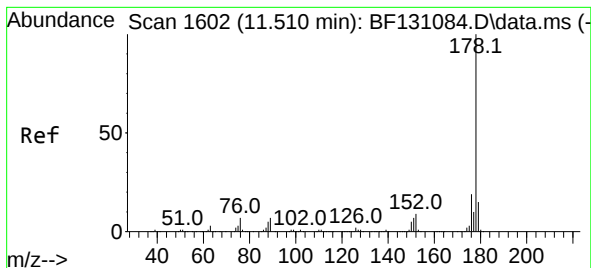
Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

179 15.3 12.2 18.2





#72

Anthracene

Concen: 5.848 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

Instrument :

BNA_F

ClientSampleId :

RM-7

Tgt Ion:178 Resp: 6588

Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.6

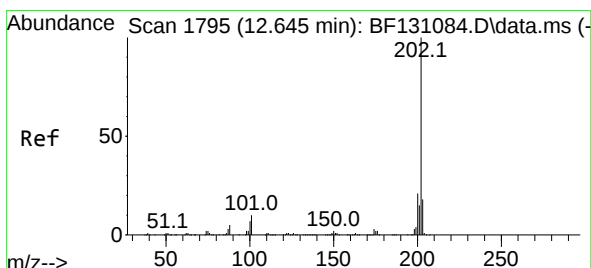
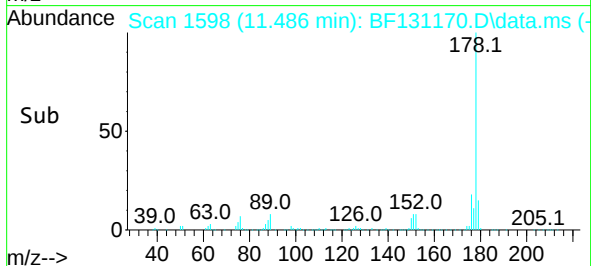
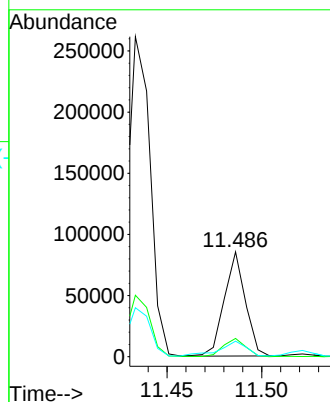
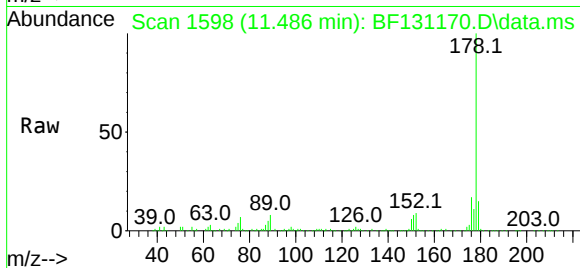
179 14.8 11.8 17.8

Manual Integrations

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#75

Fluoranthene

Concen: 14.958 ng

RT: 12.627 min Scan# 1792

Delta R.T. -0.000 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

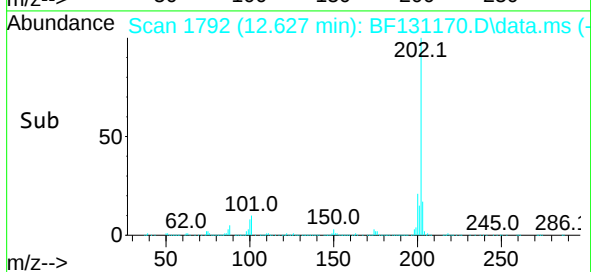
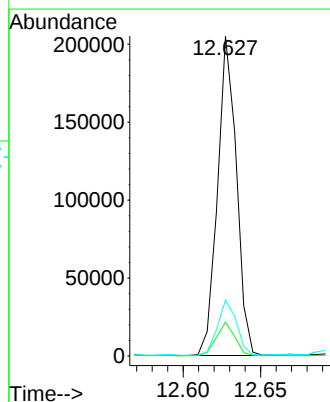
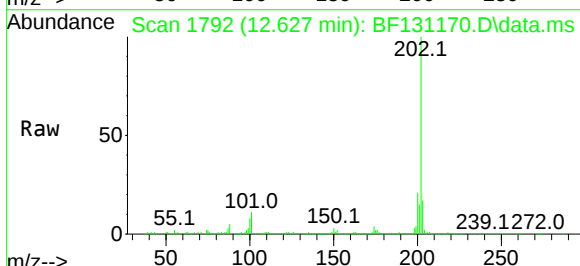
Tgt Ion:202 Resp: 173806

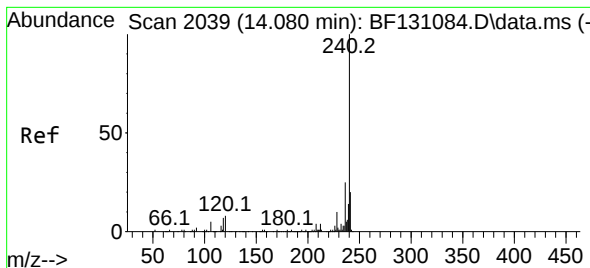
Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.0

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.006 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

Instrument :

BNA_F

ClientSampleId :

RM-7

Tgt Ion:240 Resp: 124889

Ion Ratio Lower Upper

240 100

120 9.7 6.5 9.7

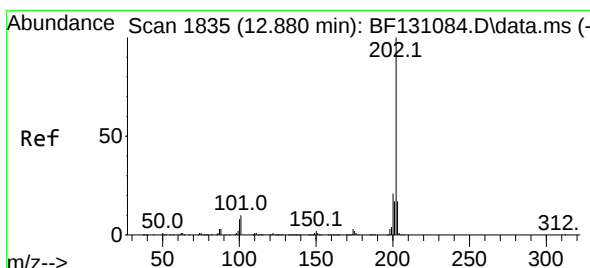
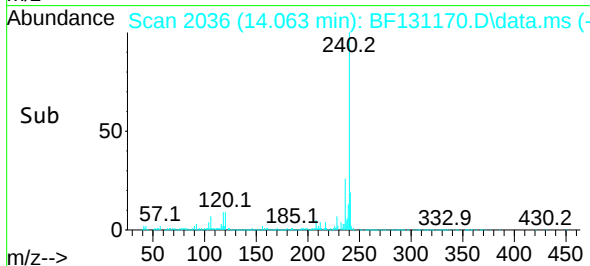
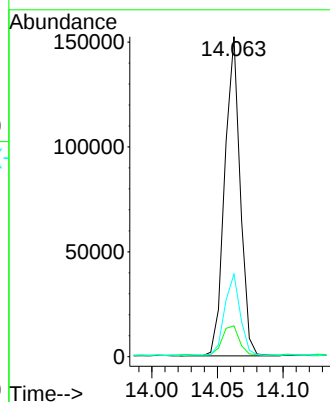
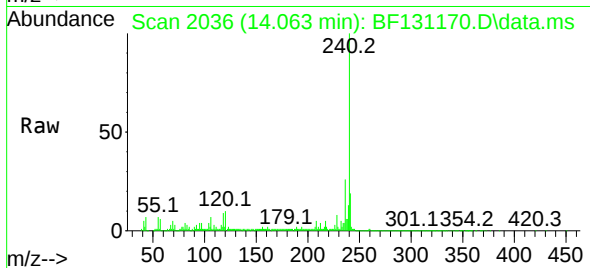
236 25.8 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#78

Pyrene

Concen: 14.969 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.006 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

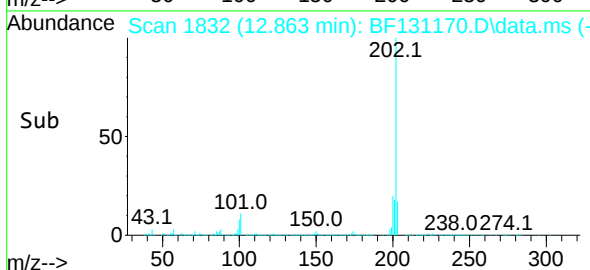
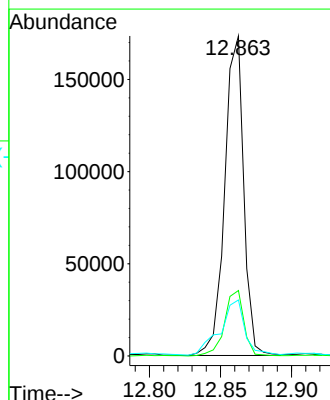
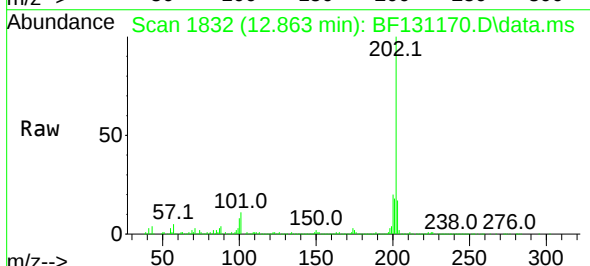
Tgt Ion:202 Resp: 160395

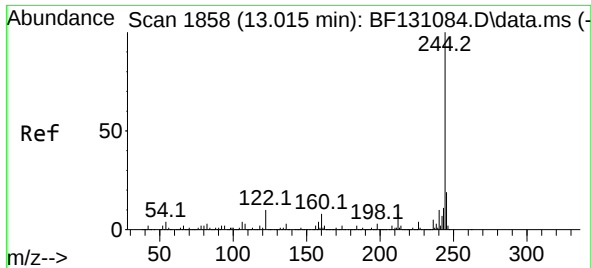
Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

203 17.5 13.6 20.4





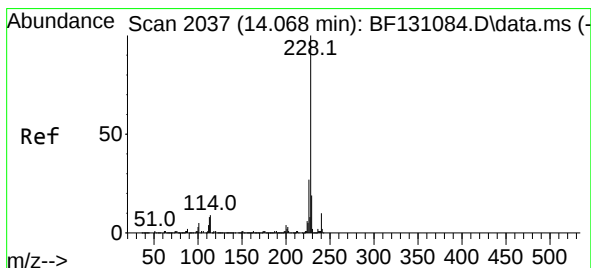
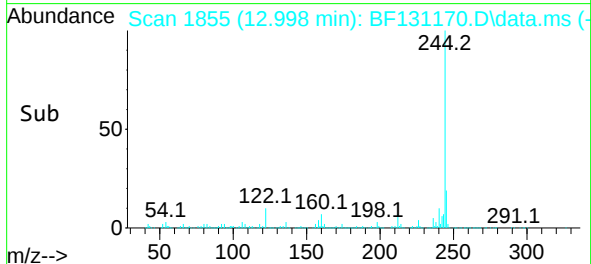
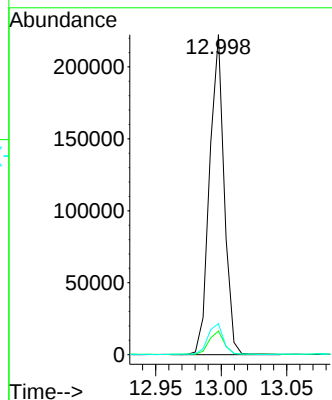
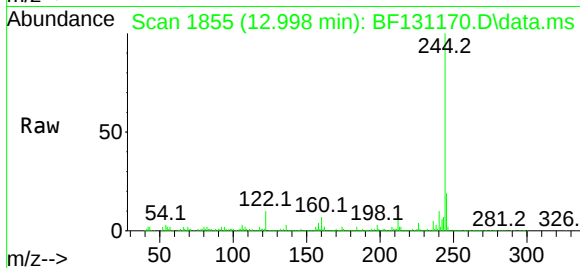
#79
 Terphenyl-d14
 Concen: 24.238 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.000 min
 Lab File: BF131170.D
 Acq: 12 Nov 2022 00:20

Instrument :
 BNA_F
 ClientSampleId :
 RM-7

Tgt Ion:244 Resp: 17264
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 9.7 7.8 11.8

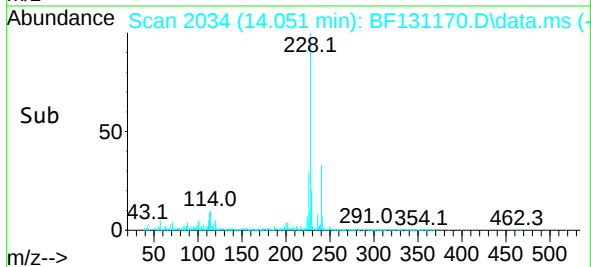
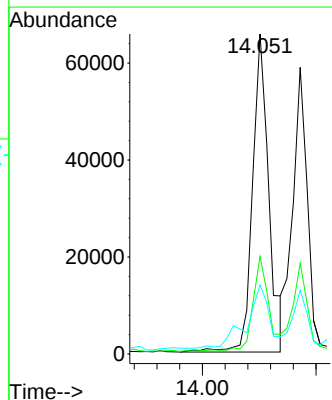
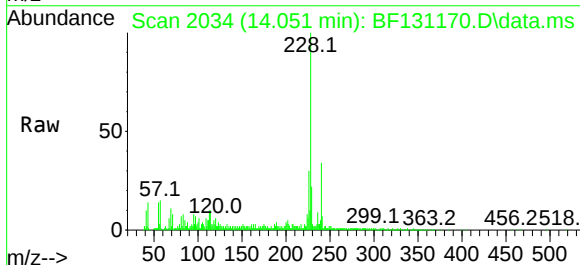
Manual Integrations
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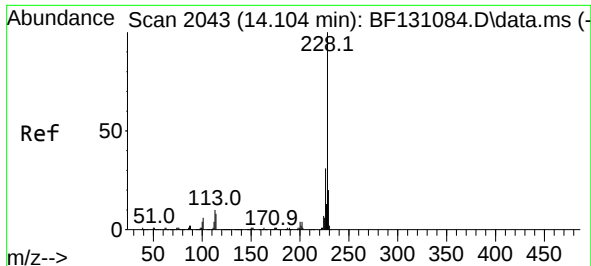
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022



#81
 Benzo(a)anthracene
 Concen: 7.307 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.006 min
 Lab File: BF131170.D
 Acq: 12 Nov 2022 00:20

Tgt Ion:228 Resp: 65230
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.6
 229 21.6 15.4 23.2





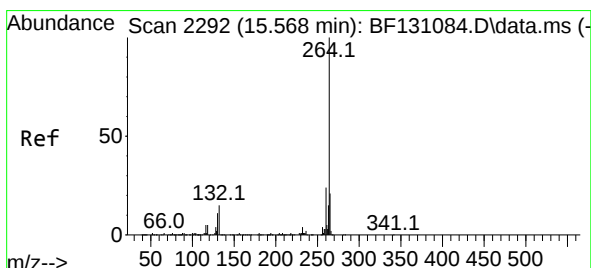
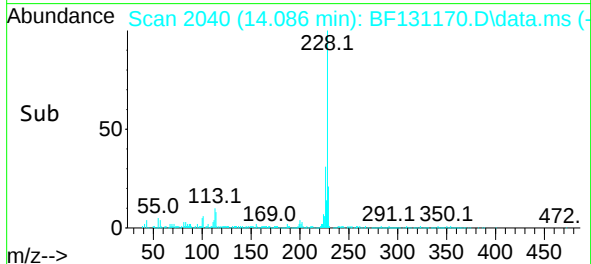
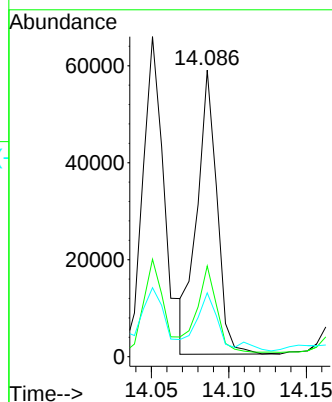
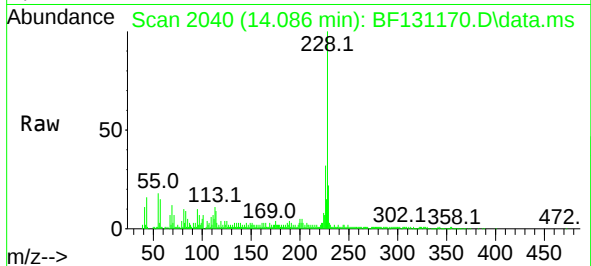
#83
Chrysene
Concen: 6.216 ng
RT: 14.086 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Instrument :
BNA_F
Client Sample Id :
RM-7

Tgt Ion:228 Resp: 52400
Ion Ratio Lower Upper
228 100
226 31.7 24.4 36.6
229 22.3 15.8 23.6

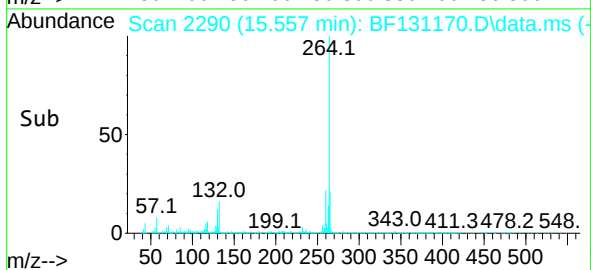
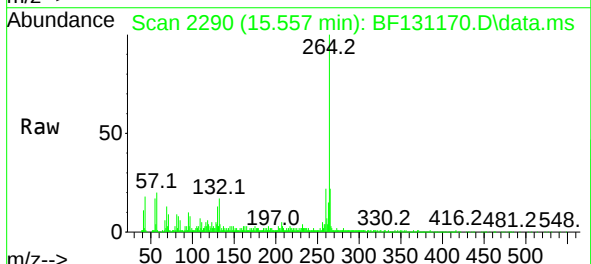
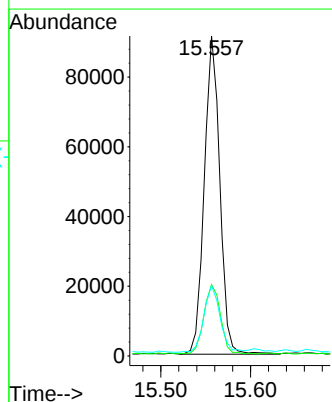
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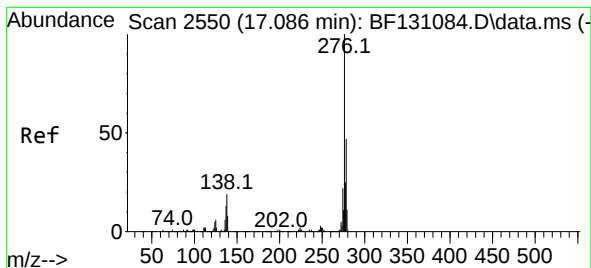
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.012 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:264 Resp: 109773
Ion Ratio Lower Upper
264 100
260 22.3 19.1 28.7
265 22.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.970 ng

RT: 17.068 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

Instrument :

BNA_F

ClientSampleId :

RM-7

Tgt Ion:276 Resp: 2056

Ion Ratio Lower Upper

276 100

138 19.8 16.9 25.3

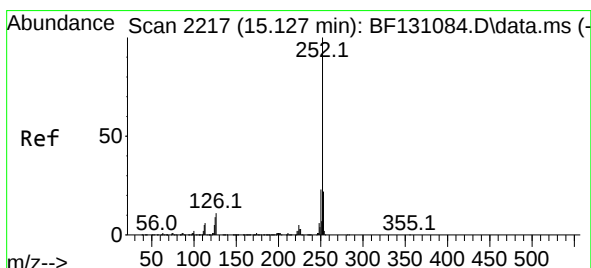
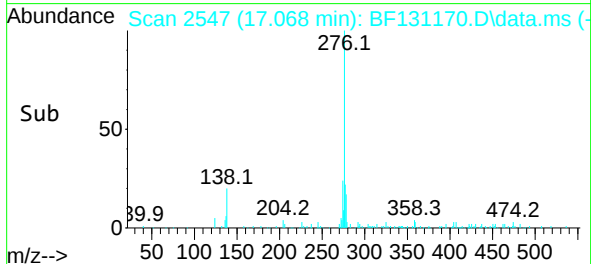
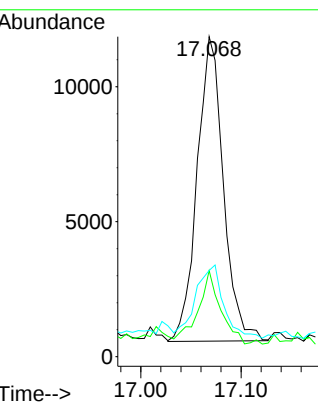
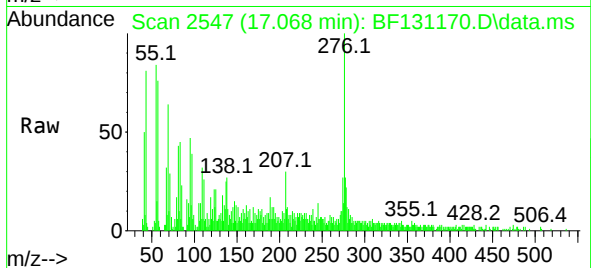
277 25.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#88

Benzo(b)fluoranthene

Concen: 6.123 ng

RT: 15.115 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

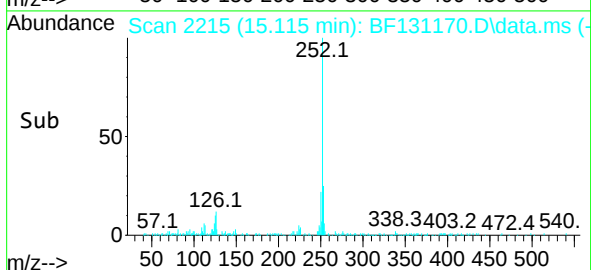
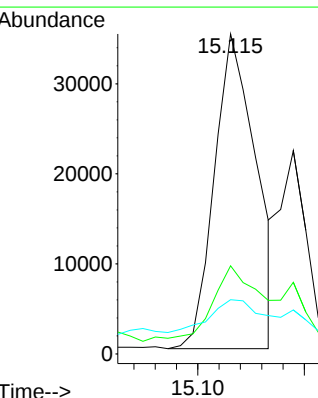
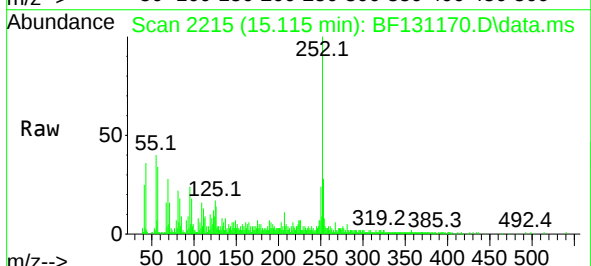
Tgt Ion:252 Resp: 47523

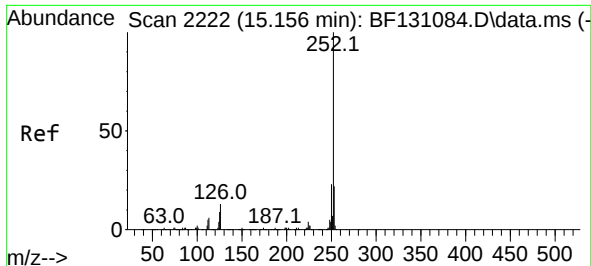
Ion Ratio Lower Upper

252 100

253 27.6 17.3 25.9#

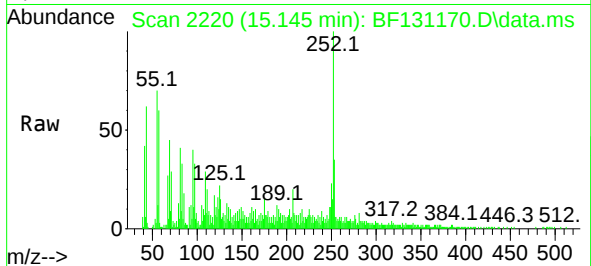
125 16.9 7.2 10.8#





#89
Benzo(k)fluoranthene
Concen: 2.757 ng m
RT: 15.145 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

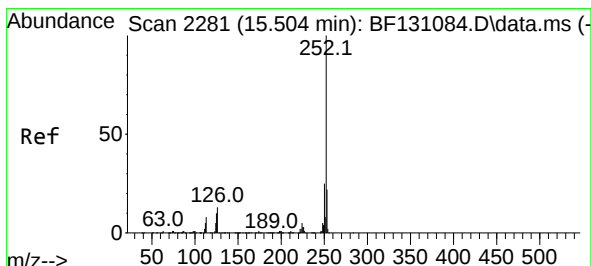
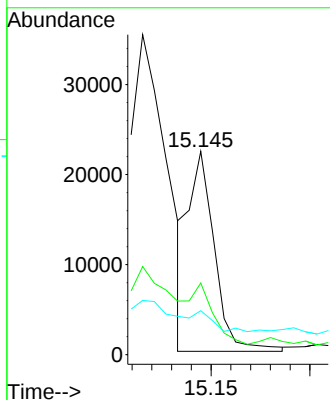
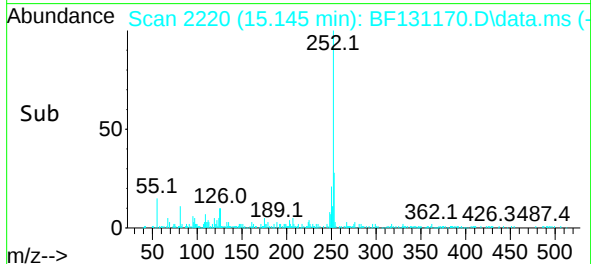
Instrument :
BNA_F
ClientSampleId :
RM-7



Tgt Ion:252 Resp: 20569
Ion Ratio Lower Upper
252 100
253 35.3 17.6 26.4
125 21.6 7.5 11.3

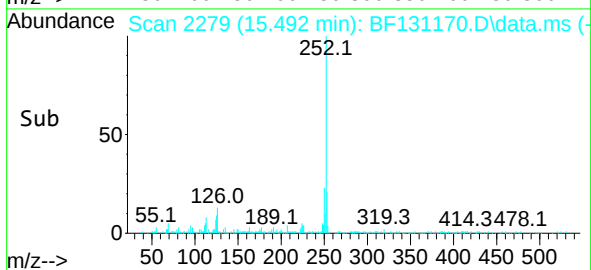
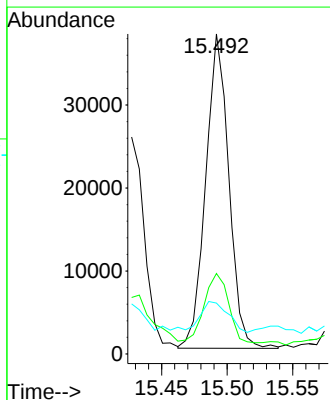
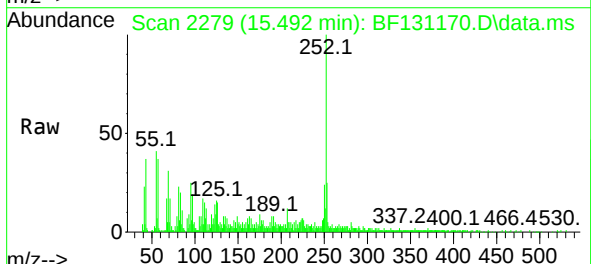
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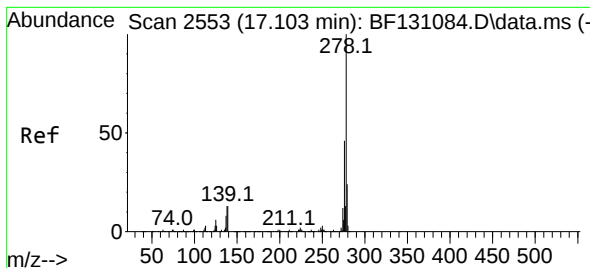
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#90
Benzo(a)pyrene
Concen: 7.474 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF131170.D
Acq: 12 Nov 2022 00:20

Tgt Ion:252 Resp: 46505
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.8
125 15.9 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 4.577 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

Instrument :

BNA_F

ClientSampleId :

RM-7

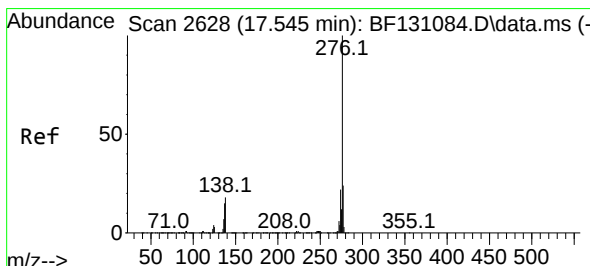
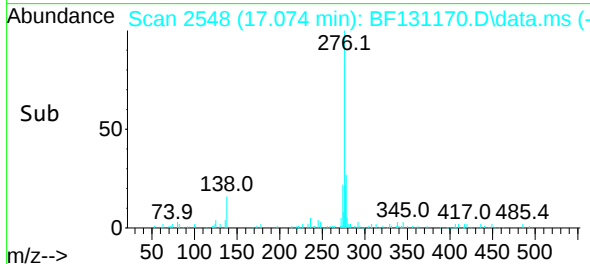
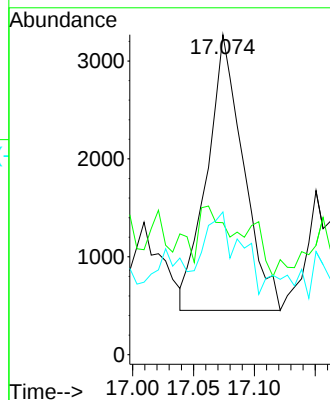
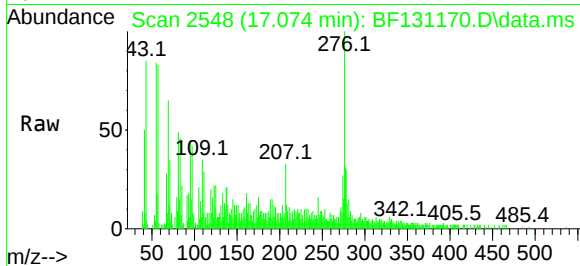
Tgt Ion:	278	Resp:	583
Ion Ratio	Lower	Upper	
278	100		
139	41.3	10.8	16.2
279	44.6	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#92

Benzo(g,h,i)perylene

Concen: 6.665 ng

RT: 17.533 min Scan# 2626

Delta R.T. 0.017 min

Lab File: BF131170.D

Acq: 12 Nov 2022 00:20

Tgt Ion:	276	Resp:	19523
Ion Ratio	Lower	Upper	
276	100		
277	33.4	19.0	28.4
138	19.9	14.6	21.8

