

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131153.D
 Acq On : 11 Nov 2022 14:03
 Operator : CG\JU
 Sample : N5378-06DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-20221028-5.5-6.5DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 14:42:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63932	20.000	ng	-0.01
21) Naphthalene-d8	8.169	136	262932	20.000	ng	-0.01
39) Acenaphthene-d10	9.928	164	98830	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	145952	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	167501	20.000	ng	-0.01
86) Perylene-d12	15.562	264	128168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	82182	21.861	ng	-0.01
7) Phenol-d6	6.504	99	92599	18.841	ng	-0.02
23) Nitrobenzene-d5	7.445	82	60132	10.319	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	12604	12.340	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	83513	11.796	ng	-0.02
79) Terphenyl-d14	13.004	244	100357	10.505	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.957	154	14865	2.630	ng	94
58) Fluorene	10.475	166	15852	2.332	ng	92
71) Phenanthrene	11.445	178	238900	29.761	ng	99
72) Anthracene	11.492	178	39412	5.059	ng	99
73) Carbazole	11.651	167	25259	3.646	ng	97
75) Fluoranthene	12.639	202	349674	43.518	ng	98
78) Pyrene	12.868	202	374208	26.039	ng	99
81) Benzo(a)anthracene	14.057	228	181815	15.186	ng	99
83) Chrysene	14.092	228	177432	15.692	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	48861	8.149	ng	99
88) Benzo(b)fluoranthene	15.121	252	167454m	18.480	ng	
89) Benzo(k)fluoranthene	15.151	252	59500m	6.832	ng	
90) Benzo(a)pyrene	15.498	252	94849	13.056	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	14458	5.404	ng	95
92) Benzo(g,h,i)perylene	17.521	276	37576	8.156	ng	97

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

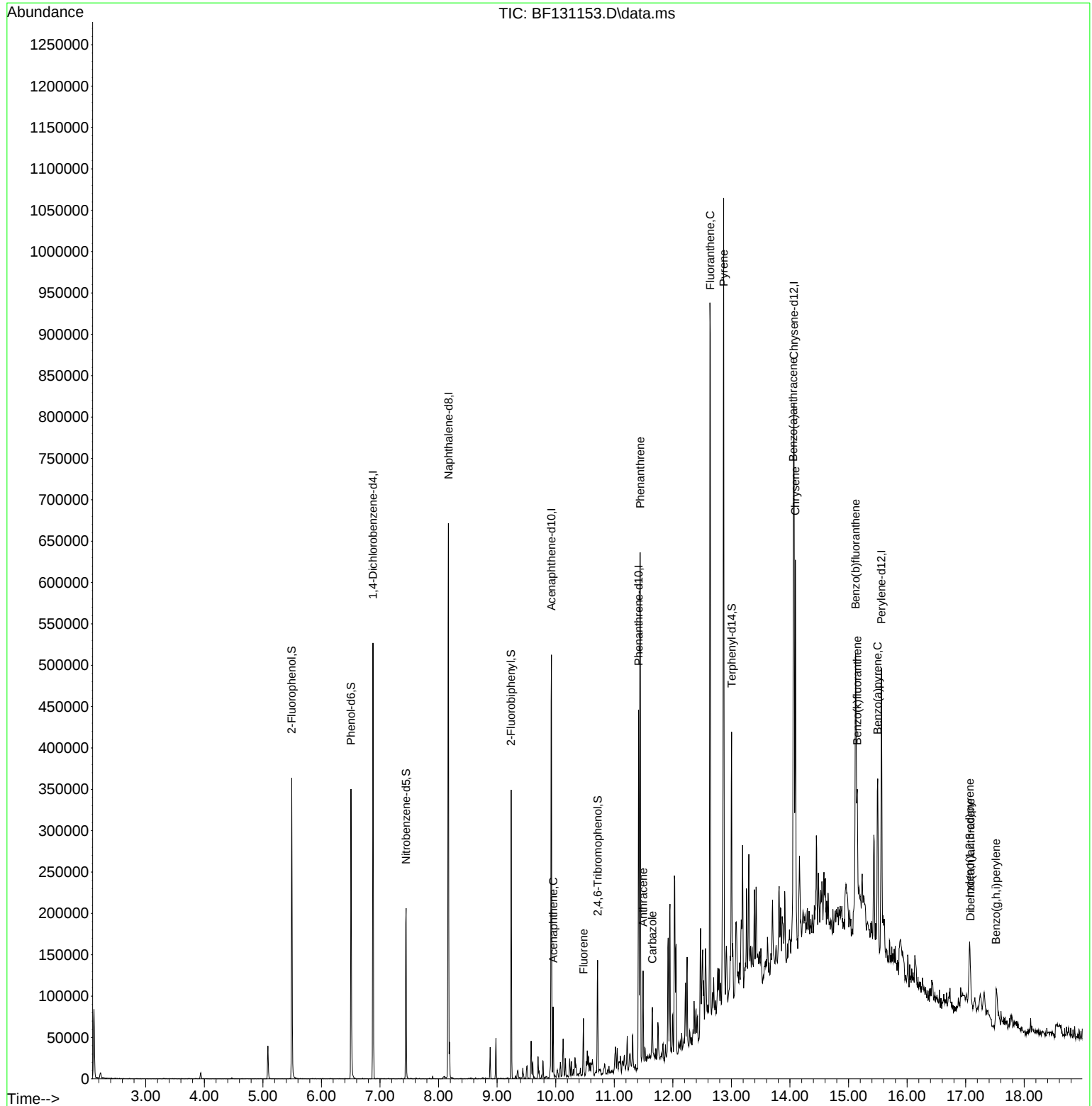
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
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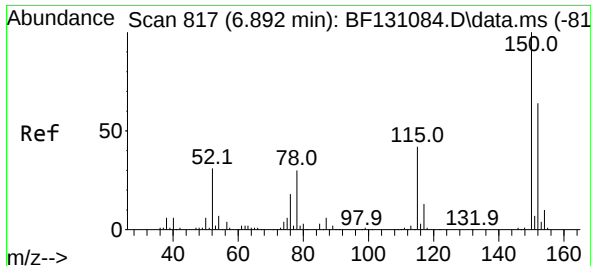
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
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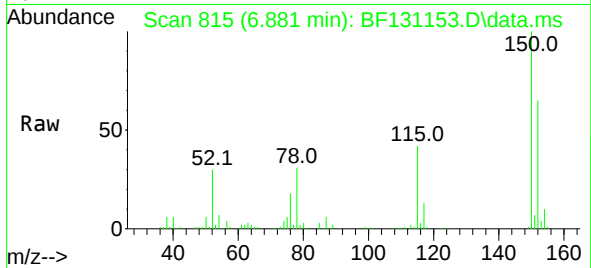
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.011 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

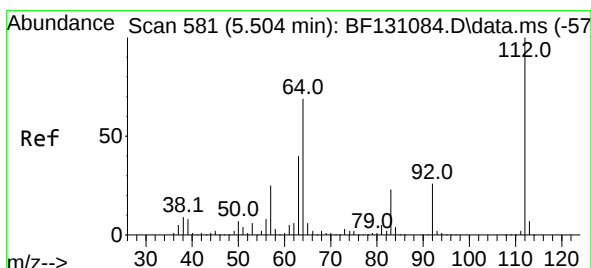
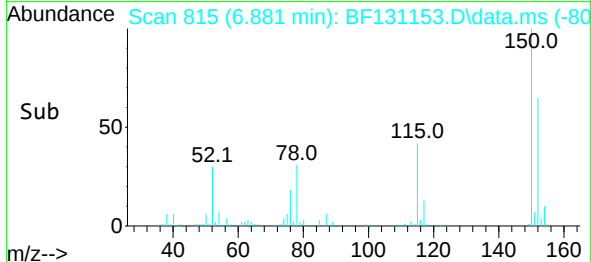
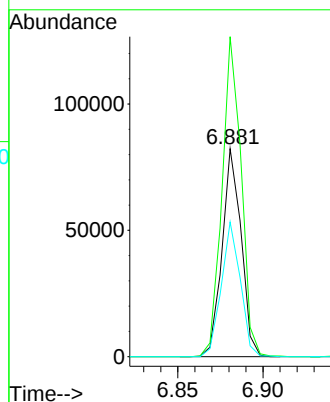
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL



Tgt Ion:152 Resp: 63932
Ion Ratio Lower Upper
152 100
150 153.8 125.5 188.3
115 64.8 52.2 78.2

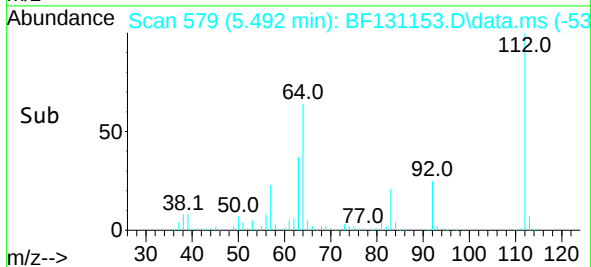
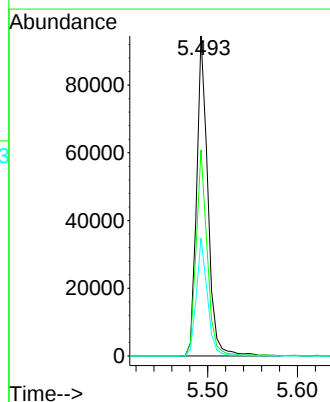
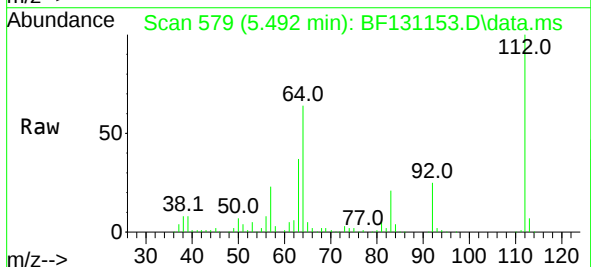
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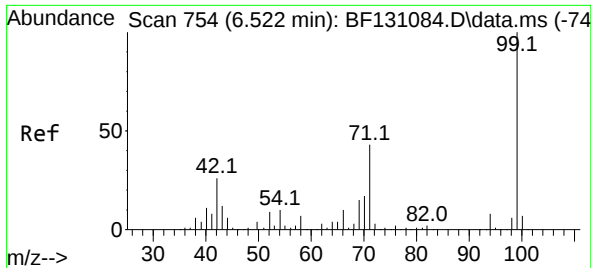
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#5
2-Fluorophenol
Concen: 21.861 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.011 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:112 Resp: 82182
Ion Ratio Lower Upper
112 100
64 64.4 55.1 82.7
63 36.8 32.4 48.6





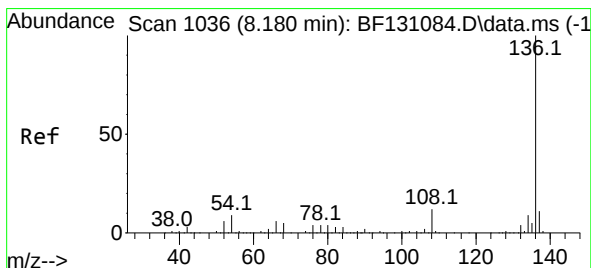
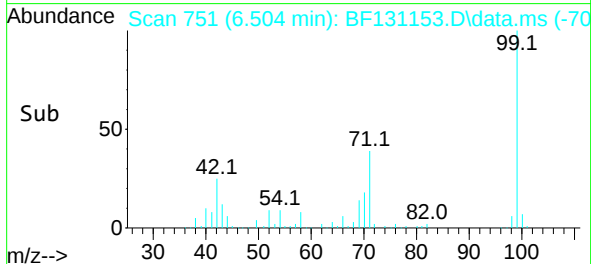
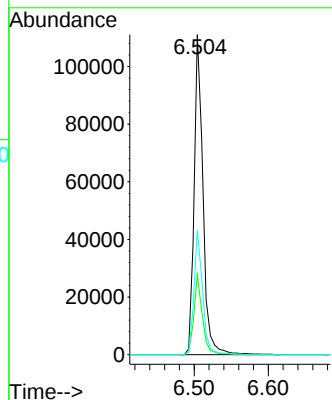
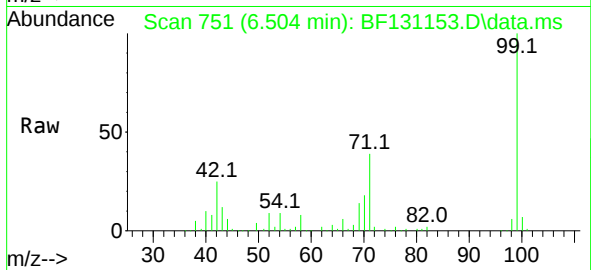
#7
Phenol-d6
Concen: 18.841 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Instrument :
BNA_F
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Tgt Ion: 99 Resp: 92599
Ion Ratio Lower Upper
99 100
42 25.0 20.8 31.2
71 38.8 34.2 51.4

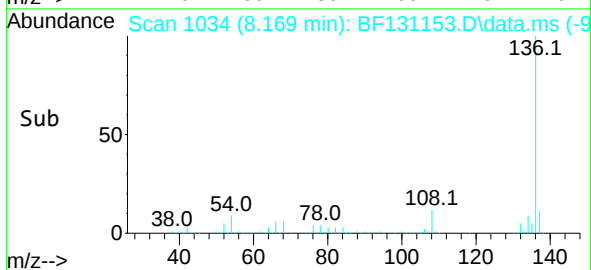
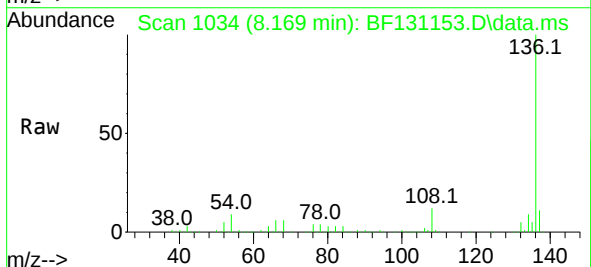
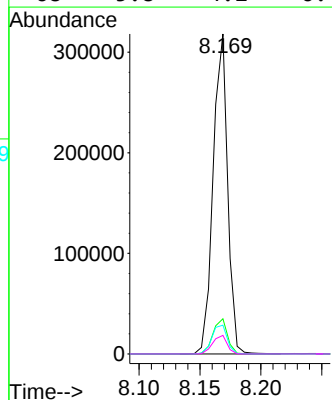
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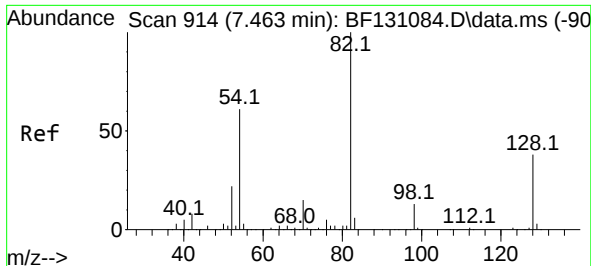
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.011 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:136 Resp: 262932
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.0 7.2 10.8
68 5.8 4.2 6.4





#23

Nitrobenzene-d5

Concen: 10.319 ng

RT: 7.445 min Scan# 914

Delta R.T. -0.018 min

Lab File: BF131153.D

Acq: 11 Nov 2022 14:03

Instrument :

BNA_F

ClientSampleId :

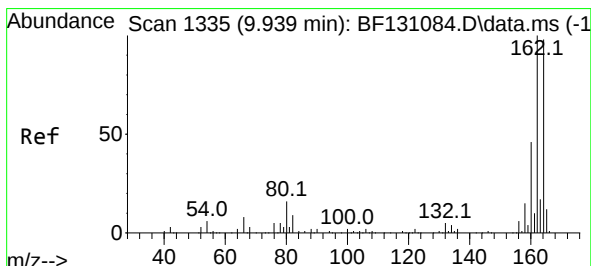
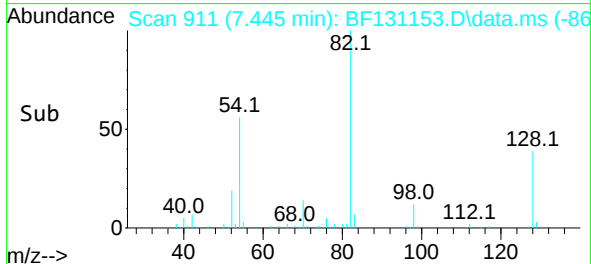
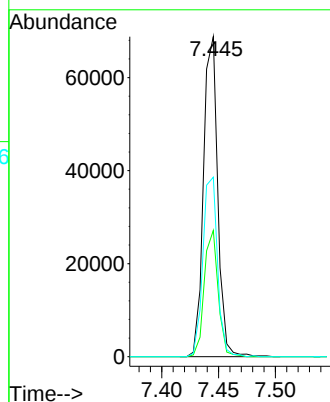
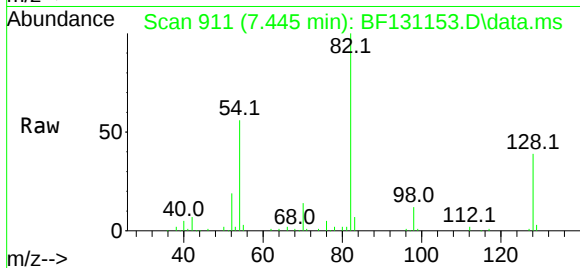
SB-15-20221028-5.5-6.5DL

Tgt Ion: 82	Resp: 6013
Ion Ratio	Lower Upper
82	100
128	39.5 30.5 45.7
54	56.1 49.1 73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

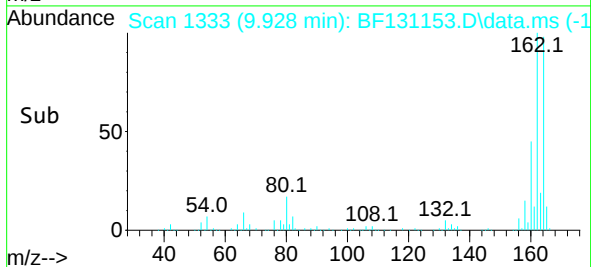
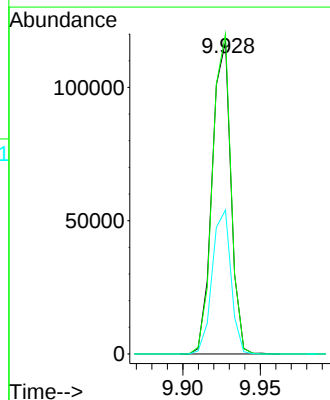
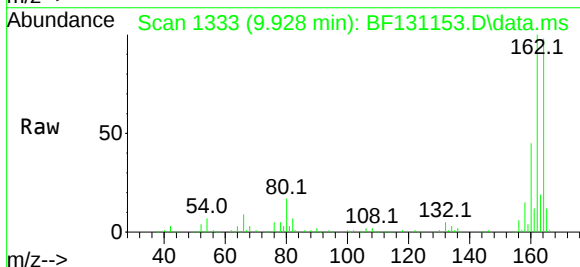
RT: 9.928 min Scan# 1333

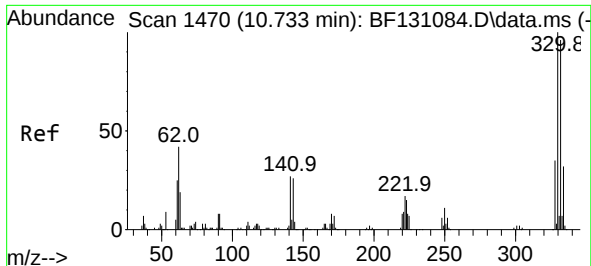
Delta R.T. -0.011 min

Lab File: BF131153.D

Acq: 11 Nov 2022 14:03

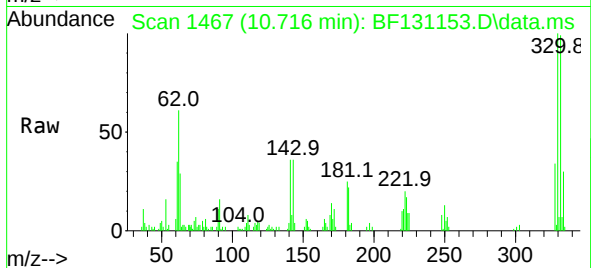
Tgt Ion:164	Resp: 98830
Ion Ratio	Lower Upper
164	100
162	102.4 81.7 122.5
160	46.1 37.4 56.2





#42
2,4,6-Tribromophenol
Concen: 12.340 ng
RT: 10.716 min Scan# 1470
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

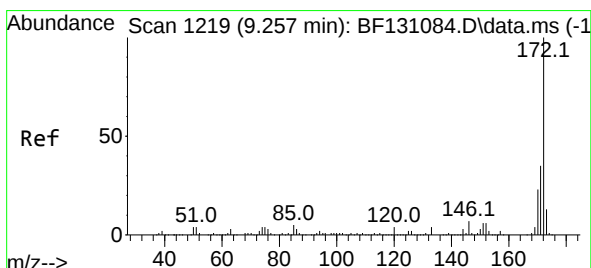
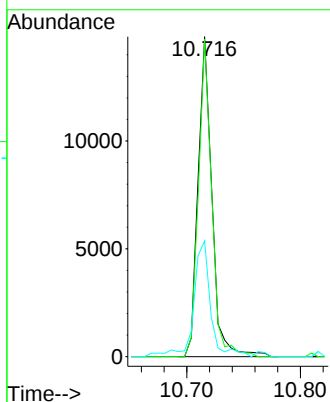
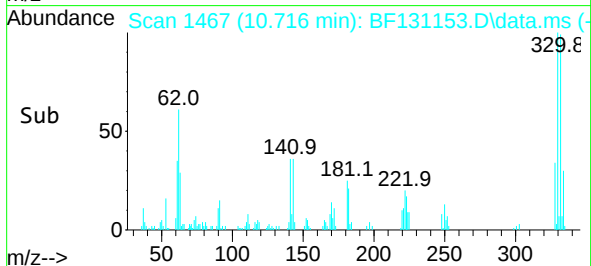
Instrument :
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ClientSampleId :
SB-15-20221028-5.5-6.5DL



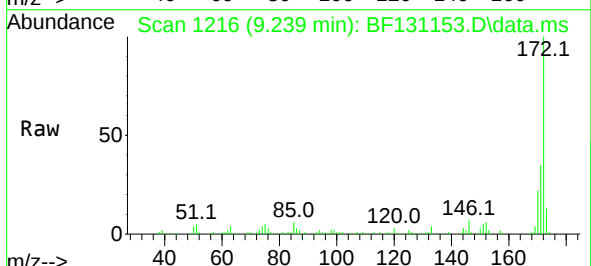
Tgt Ion: 330 Resp: 12604
Ion Ratio Lower Upper
330 100
332 95.2 77.0 115.4
141 44.1 28.5 42.7

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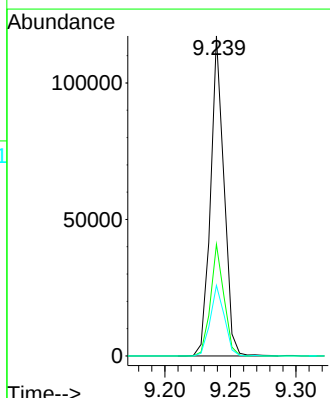
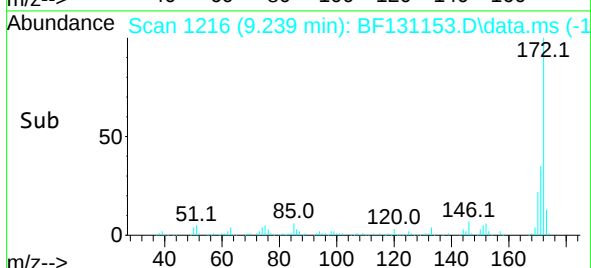
Reviewed By : Christian Giraldo 11/12/2022
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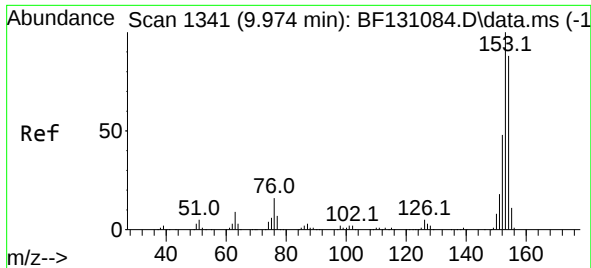


#45
2-Fluorobiphenyl
Concen: 11.796 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03



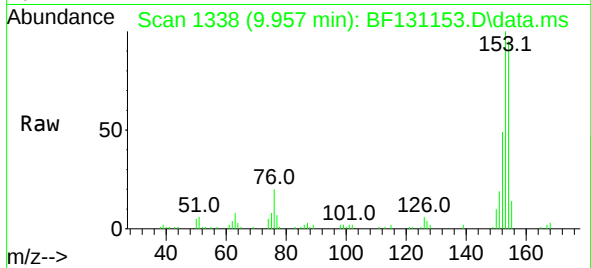
Tgt Ion: 172 Resp: 83513
Ion Ratio Lower Upper
172 100
171 34.9 27.7 41.5
170 22.1 18.8 28.2





#52
Acenaphthene
Concen: 2.630 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

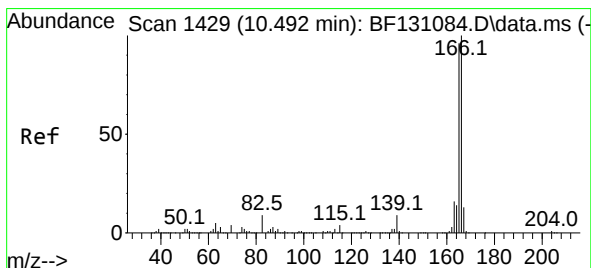
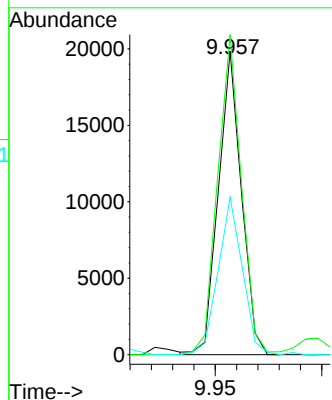
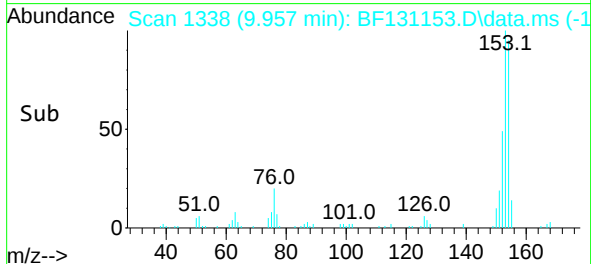
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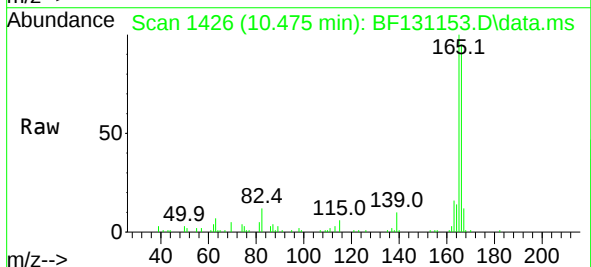
Tgt Ion:154 Resp: 1486
Ion Ratio Lower Upper
154 100
153 105.4 90.8 136.2
152 51.9 43.4 65.2

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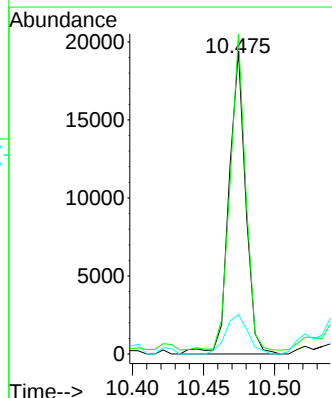
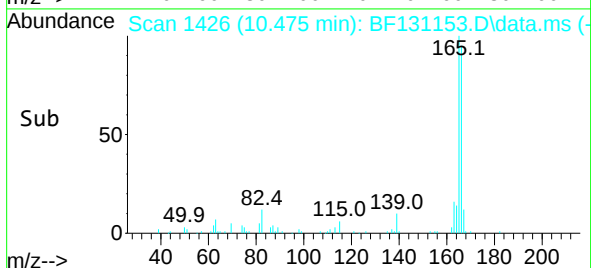
Reviewed By :Christian Giraldo 11/12/2022
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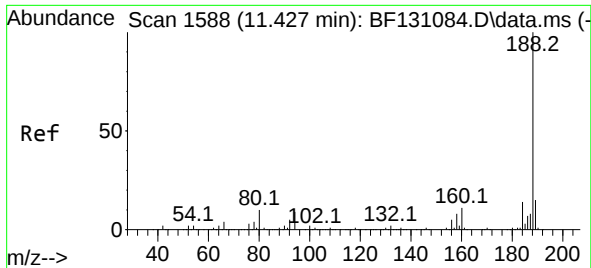


#58
Fluorene
Concen: 2.332 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03



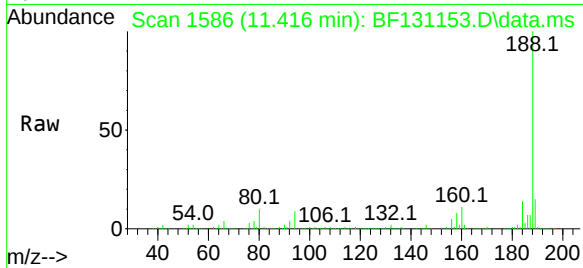
Tgt Ion:166 Resp: 15852
Ion Ratio Lower Upper
166 100
165 105.6 77.2 115.8
167 13.0 10.2 15.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

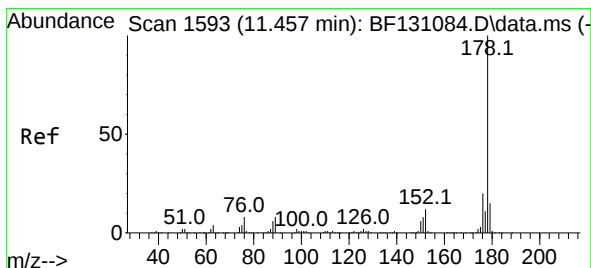
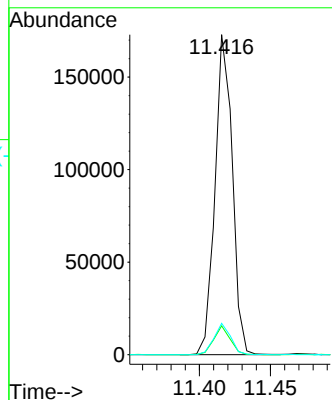
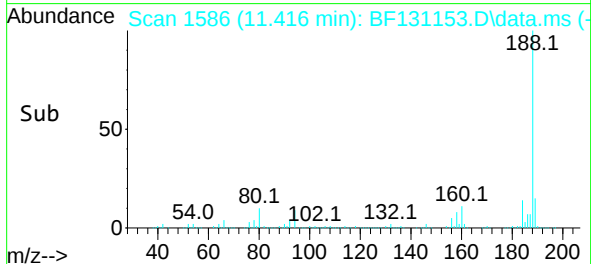
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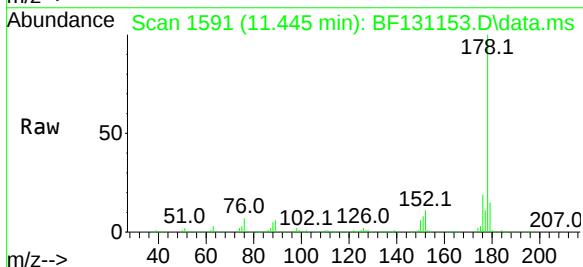
Tgt Ion:188 Resp: 145952
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.8 7.9 11.9

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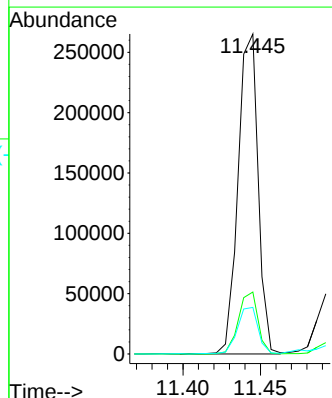
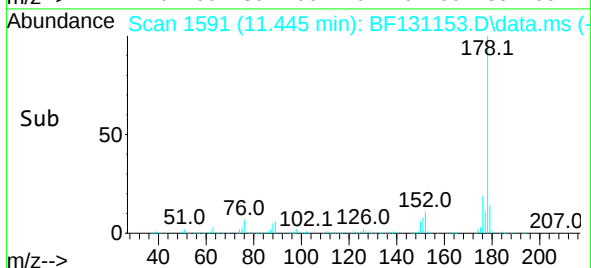
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

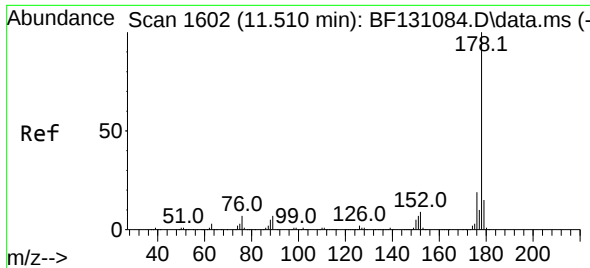


#71
Phenanthrene
Concen: 29.761 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03



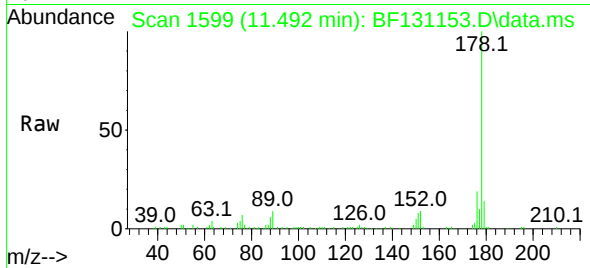
Tgt Ion:178 Resp: 238900
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.5 12.2 18.2





#72
 Anthracene
 Concen: 5.059 ng
 RT: 11.492 min Scan# 11492
 Delta R.T. -0.018 min
 Lab File: BF131153.D
 Acq: 11 Nov 2022 14:03

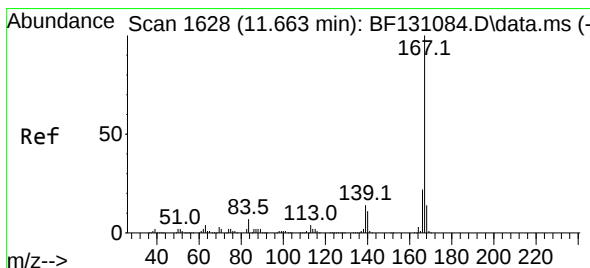
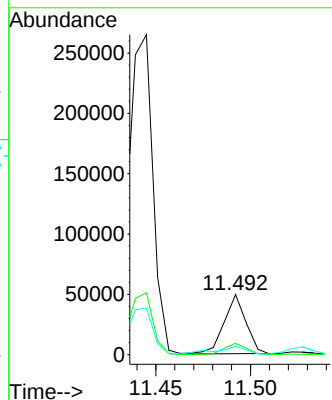
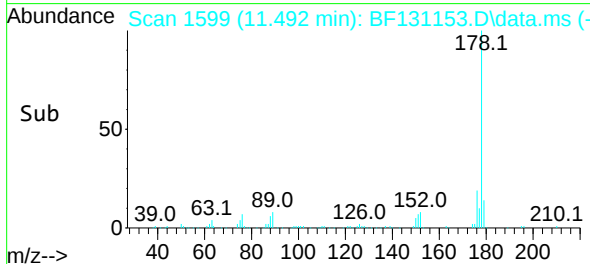
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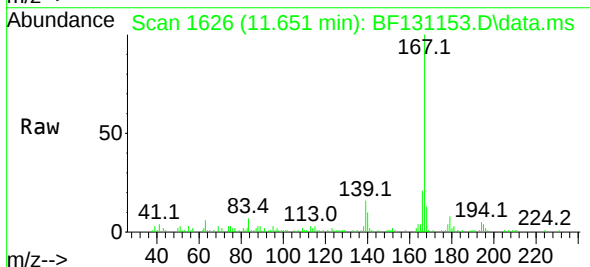
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 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.6
 179 14.0 11.8 17.8

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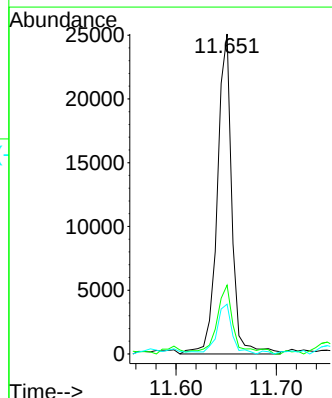
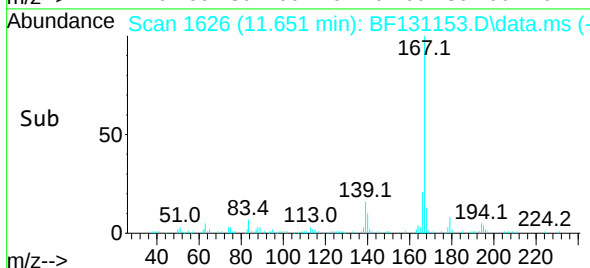
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022

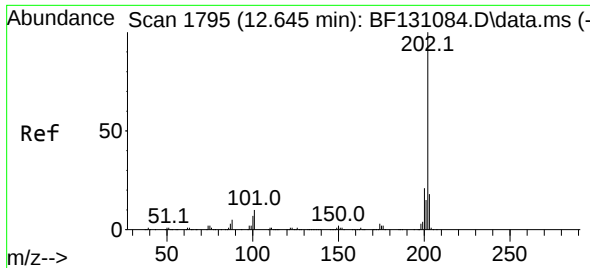


#73
 Carbazole
 Concen: 3.646 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.012 min
 Lab File: BF131153.D
 Acq: 11 Nov 2022 14:03



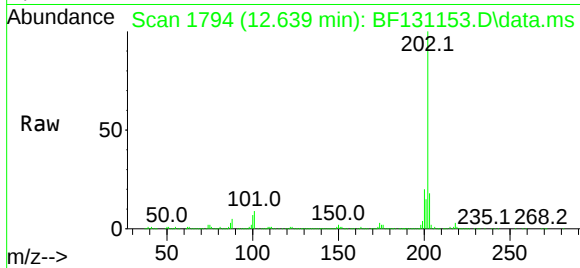
Tgt Ion:167 Resp: 25259
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.6 26.4
 139 15.5 10.8 16.2





#75
Fluoranthene
Concen: 43.518 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

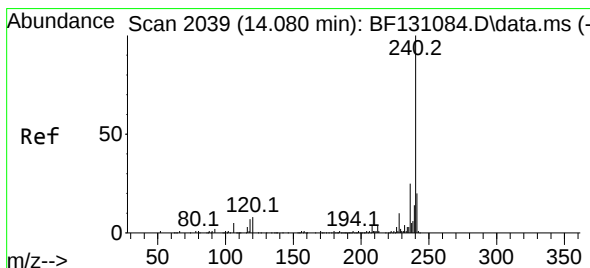
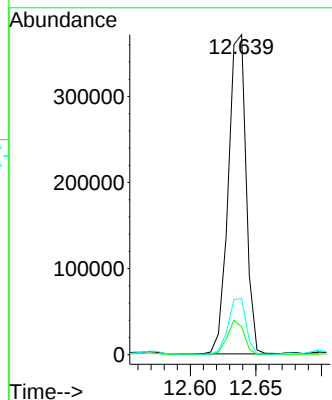
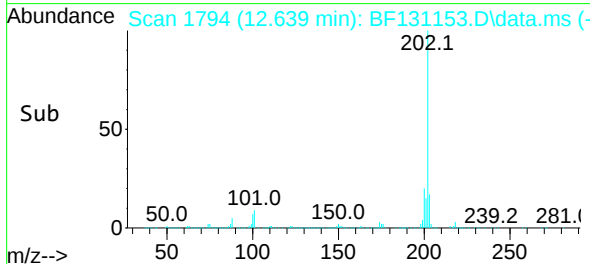
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL



Tgt Ion:202 Resp: 349674
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.0
203 17.5 0.0 37.7

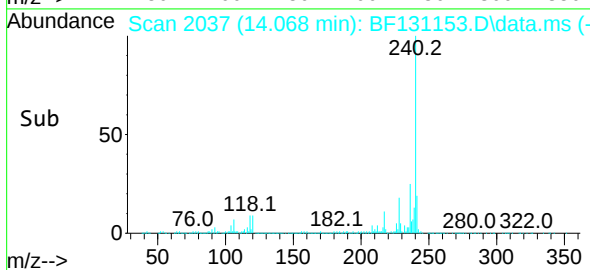
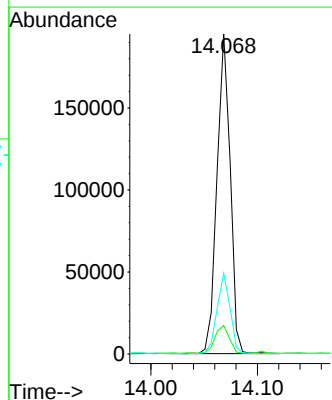
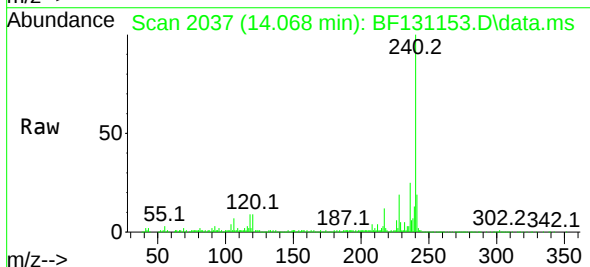
Manual Integrations
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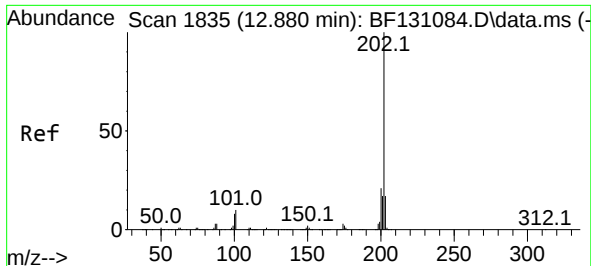
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

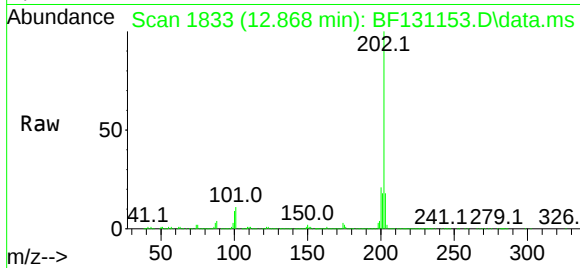
Tgt Ion:240 Resp: 167501
Ion Ratio Lower Upper
240 100
120 8.9 6.5 9.7
236 25.2 19.7 29.5





#78
Pyrene
Concen: 26.039 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

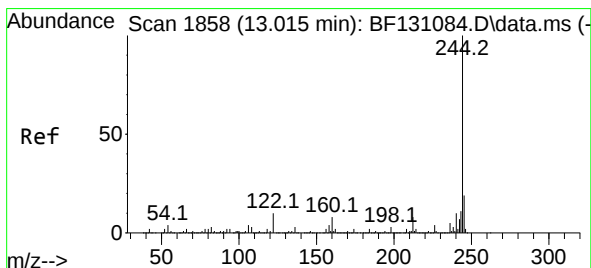
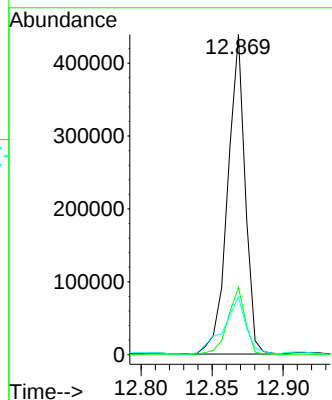
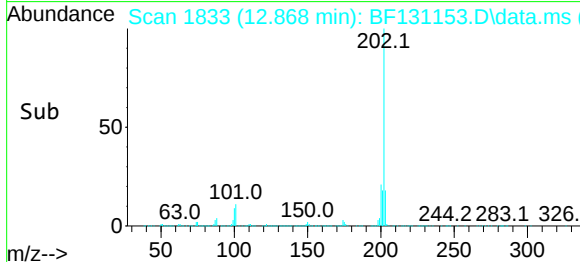
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL



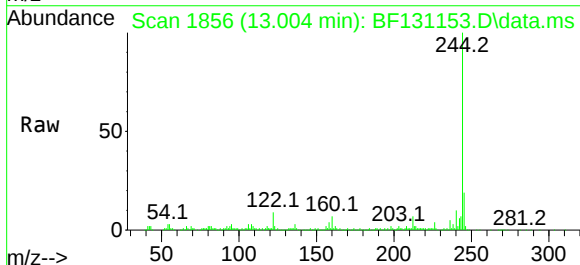
Tgt Ion:202 Resp: 374208
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.0 13.6 20.4

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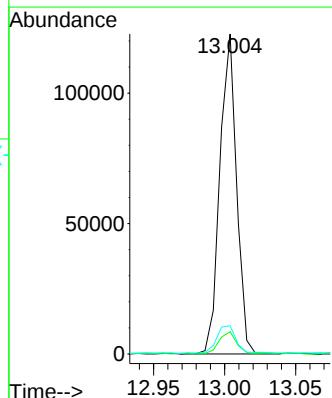
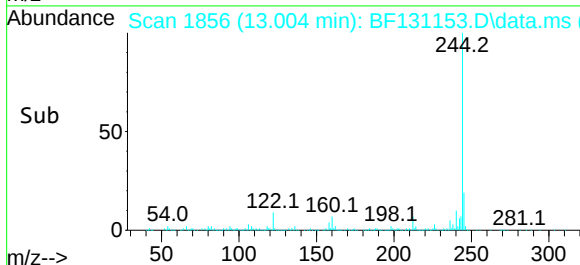
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

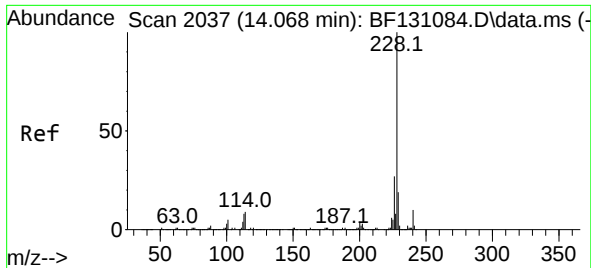


#79
Terphenyl-d14
Concen: 10.505 ng
RT: 13.004 min Scan# 1856
Delta R.T. -0.011 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03



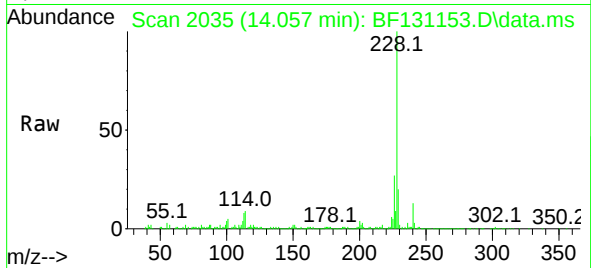
Tgt Ion:244 Resp: 100357
Ion Ratio Lower Upper
244 100
212 6.9 6.2 9.2
122 8.8 7.8 11.8





#81
Benzo(a)anthracene
Concen: 15.186 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

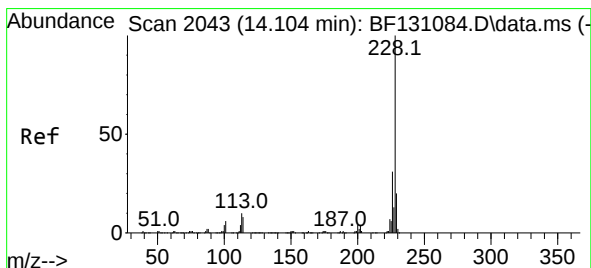
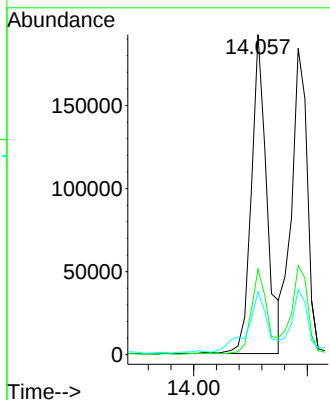
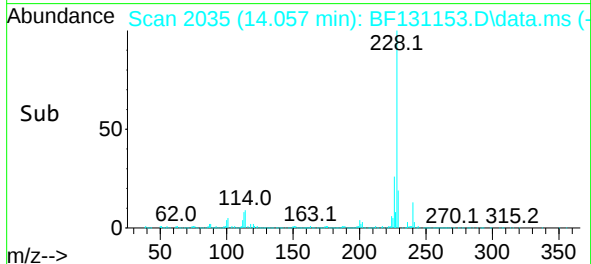
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL



Tgt Ion:228 Resp: 18181
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.6
229 19.8 15.4 23.2

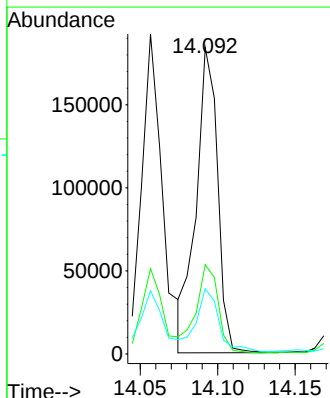
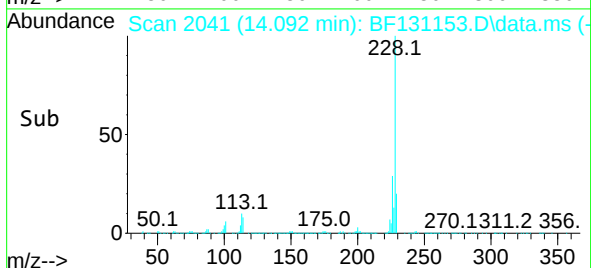
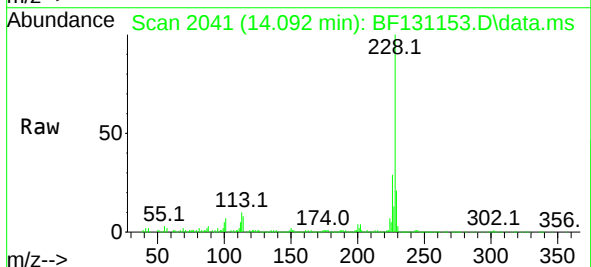
Manual Integrations
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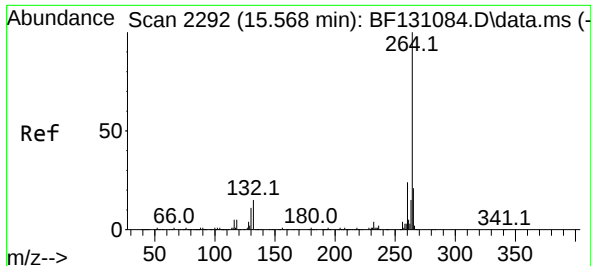
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#83
Chrysene
Concen: 15.692 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

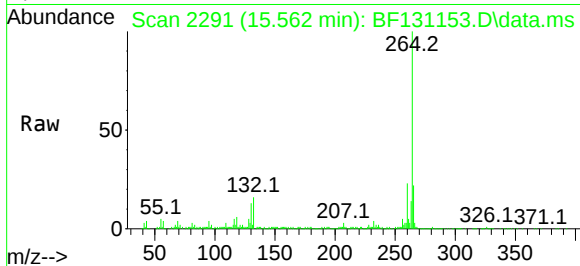
Tgt Ion:228 Resp: 177432
Ion Ratio Lower Upper
228 100
226 29.1 24.4 36.6
229 21.3 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

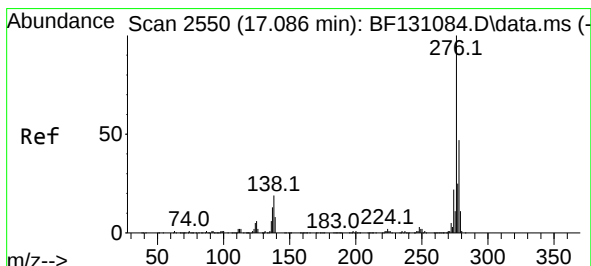
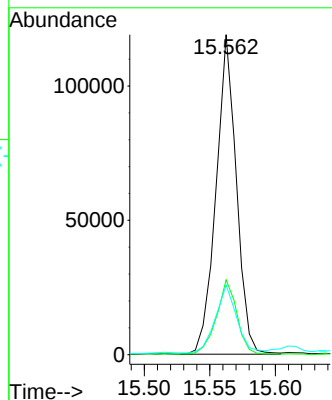
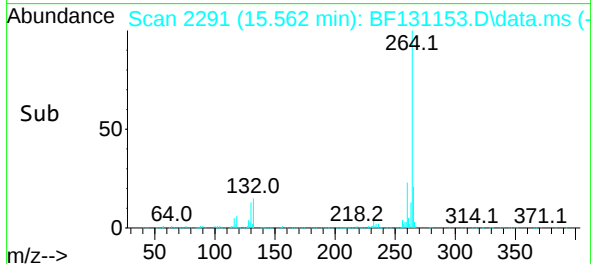
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL



Tgt Ion:264 Resp: 12816
Ion Ratio Lower Upper
264 100
260 23.4 19.1 28.7
265 21.7 16.7 25.1

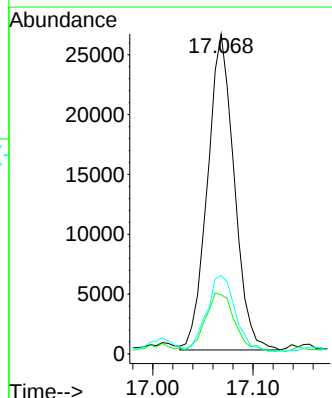
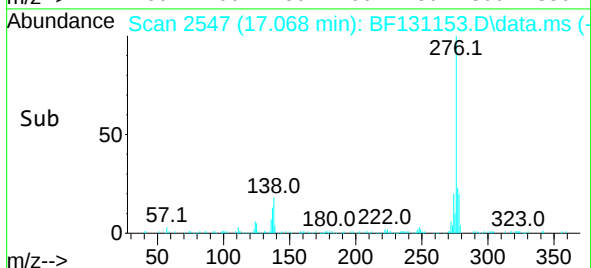
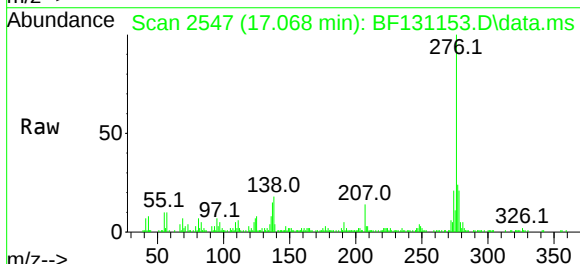
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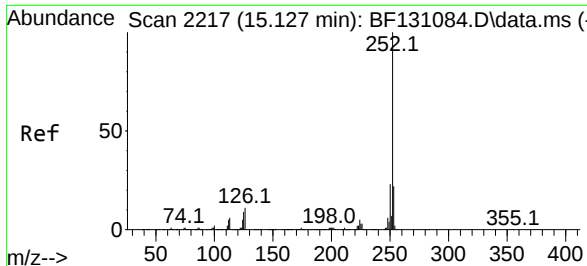
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.149 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

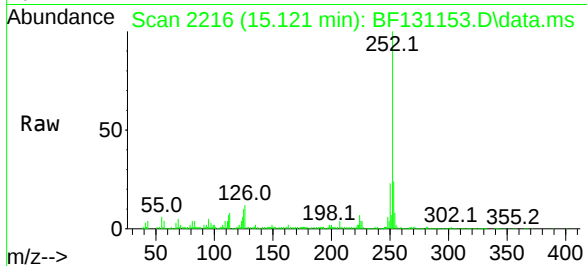
Tgt Ion:276 Resp: 48861
Ion Ratio Lower Upper
276 100
138 20.3 16.9 25.3
277 25.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 18.480 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

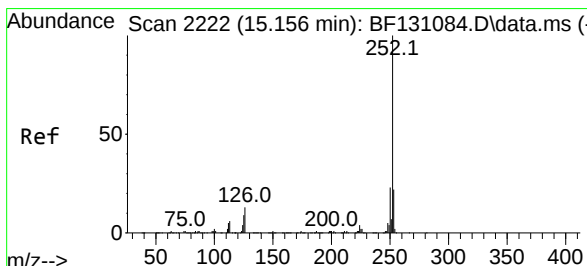
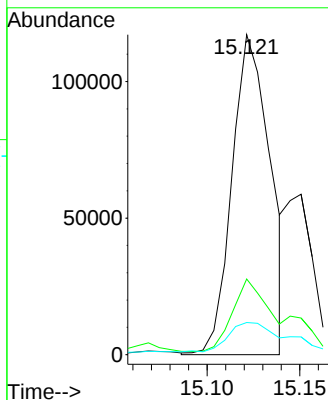
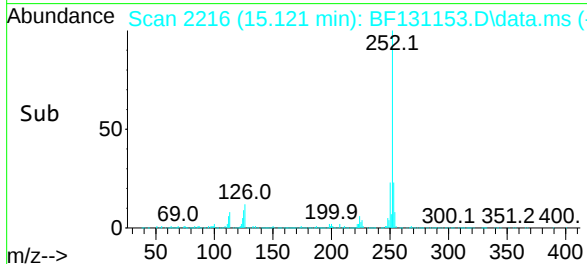
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL



Tgt Ion:252 Resp: 167454
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 10.1 7.2 10.8

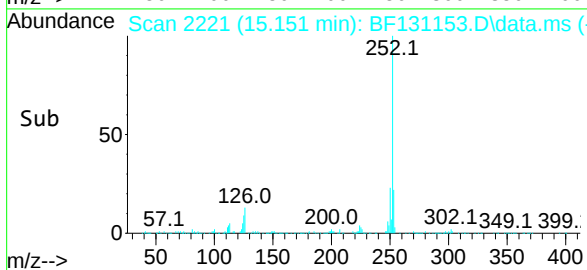
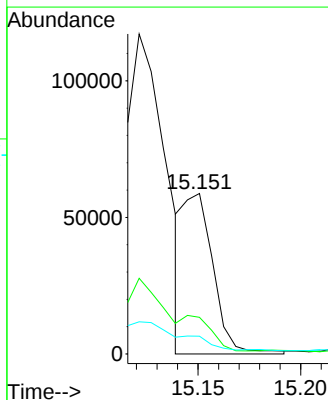
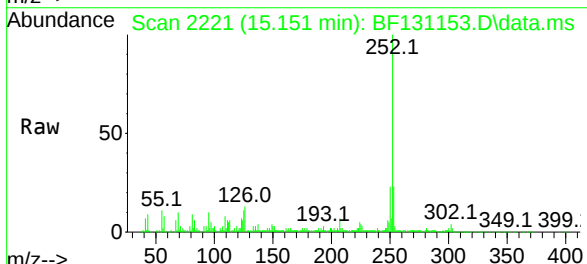
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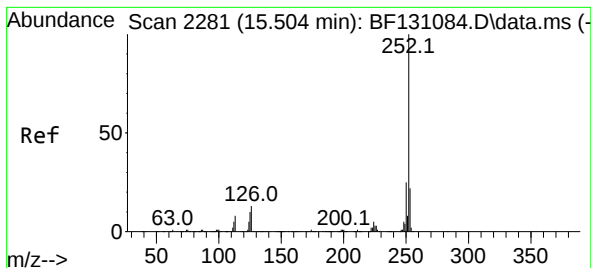
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#89
Benzo(k)fluoranthene
Concen: 6.832 ng m
RT: 15.151 min Scan# 2221
Delta R.T. -0.005 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:252 Resp: 59500
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 11.1 7.5 11.3





#90

Benzo(a)pyrene

Concen: 13.056 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131153.D

Acq: 11 Nov 2022 14:03

Instrument :

BNA_F

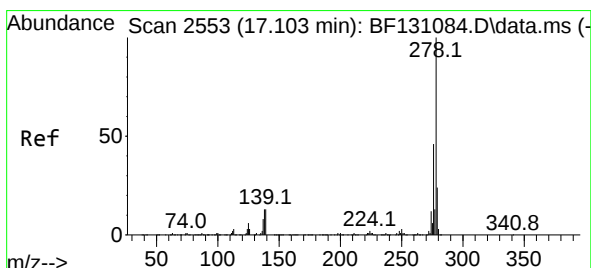
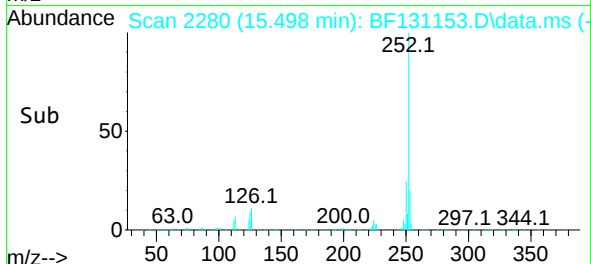
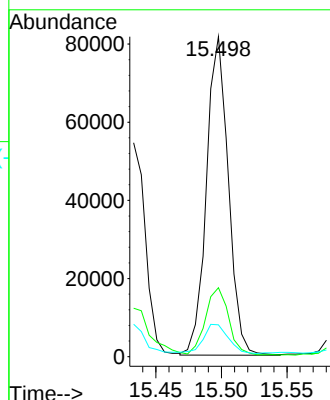
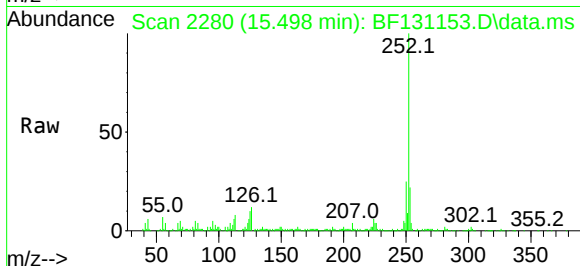
ClientSampleId :

SB-15-20221028-5.5-6.5DL

Tgt Ion:252 Resp: 94849
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.8 26.8
 125 10.0 8.1 12.1

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



#91

Dibenzo(a,h)anthracene

Concen: 5.404 ng

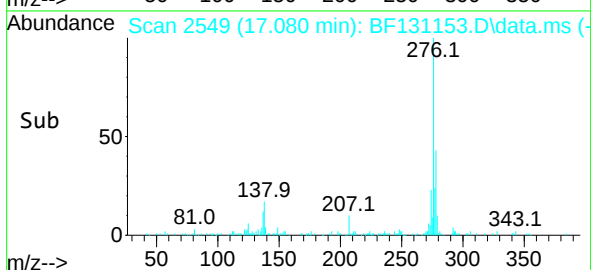
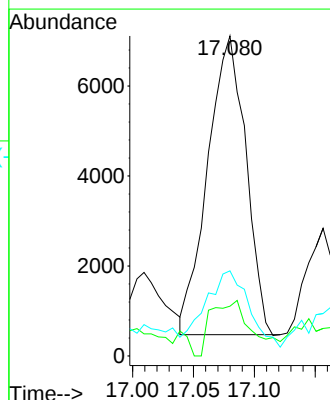
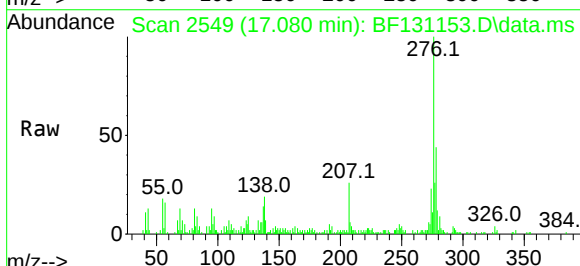
RT: 17.080 min Scan# 2549

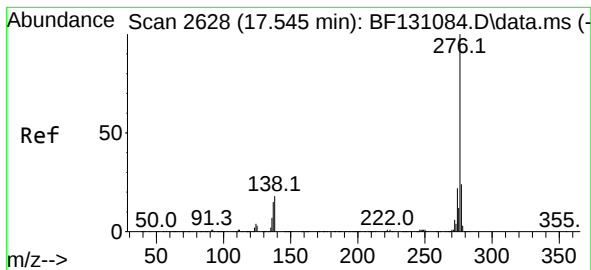
Delta R.T. -0.023 min

Lab File: BF131153.D

Acq: 11 Nov 2022 14:03

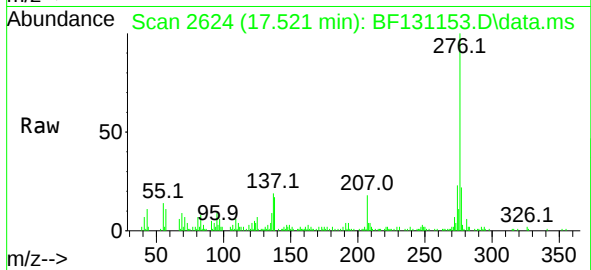
Tgt Ion:278 Resp: 14458
 Ion Ratio Lower Upper
 278 100
 139 15.5 10.8 16.2
 279 26.6 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 8.156 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF131153.D
 Acq: 11 Nov 2022 14:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-20221028-5.5-6.5DL



Tgt Ion: 276 Resp: 37570

Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.0	28.4
138	16.9	14.6	21.8

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 Supervised By :Jagrut Upadhyay 11/12/2022

