

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061722\
 Data File : BF128863.D
 Acq On : 17 Jun 2022 19:40
 Operator : CG\JU
 Sample : N3383-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-04-(3-5)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/20/2022
 Supervised By : Jagrut Upadhyay 06/20/2022

Quant Time: Jun 18 05:07:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	94332	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	343523	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	165107	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	224142	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	155453	20.000	ng	0.00
86) Perylene-d12	15.415	264	113513	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	659641	111.383	ng	0.00
7) Phenol-d6	6.440	99	848421	117.361	ng	0.00
23) Nitrobenzene-d5	7.351	82	591782	80.206	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	95343	48.873	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1066537	90.487	ng	0.00
79) Terphenyl-d14	12.898	244	808065	90.325	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.451	94	19410	2.540	ng	# 70
31) Naphthalene	8.086	128	158557	8.994	ng	98
37) 2-Methylnaphthalene	8.775	142	146458	13.061	ng	98
38) 1-Methylnaphthalene	8.875	142	108994	10.060	ng	99
52) Acenaphthene	9.851	154	107121	11.367	ng	97
55) Dibenzofuran	10.022	168	50888	3.757	ng	# 84
58) Fluorene	10.369	166	116646	11.105	ng	100
71) Phenanthrene	11.345	178	1436659	127.788	ng	99
72) Anthracene	11.386	178	204869	18.411	ng	99
73) Carbazole	11.545	167	29205	2.826	ng	99
75) Fluoranthene	12.533	202	723345	61.552	ng	95
78) Pyrene	12.763	202	956298	82.684	ng	99
81) Benzo(a)anthracene	13.951	228	324279	33.466	ng	98
83) Chrysene	13.986	228	305853	33.108	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	67249	9.829	ng	# 90
88) Benzo(b)fluoranthene	14.998	252	209803m	28.925	ng	
89) Benzo(k)fluoranthene	15.021	252	50128m	7.347	ng	
90) Benzo(a)pyrene	15.357	252	144841	25.407	ng	97
91) Dibenzo(a,h)anthracene	16.868	278	21651	3.815	ng	# 86
92) Benzo(g,h,i)perylene	17.304	276	64094	11.396	ng	# 85

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

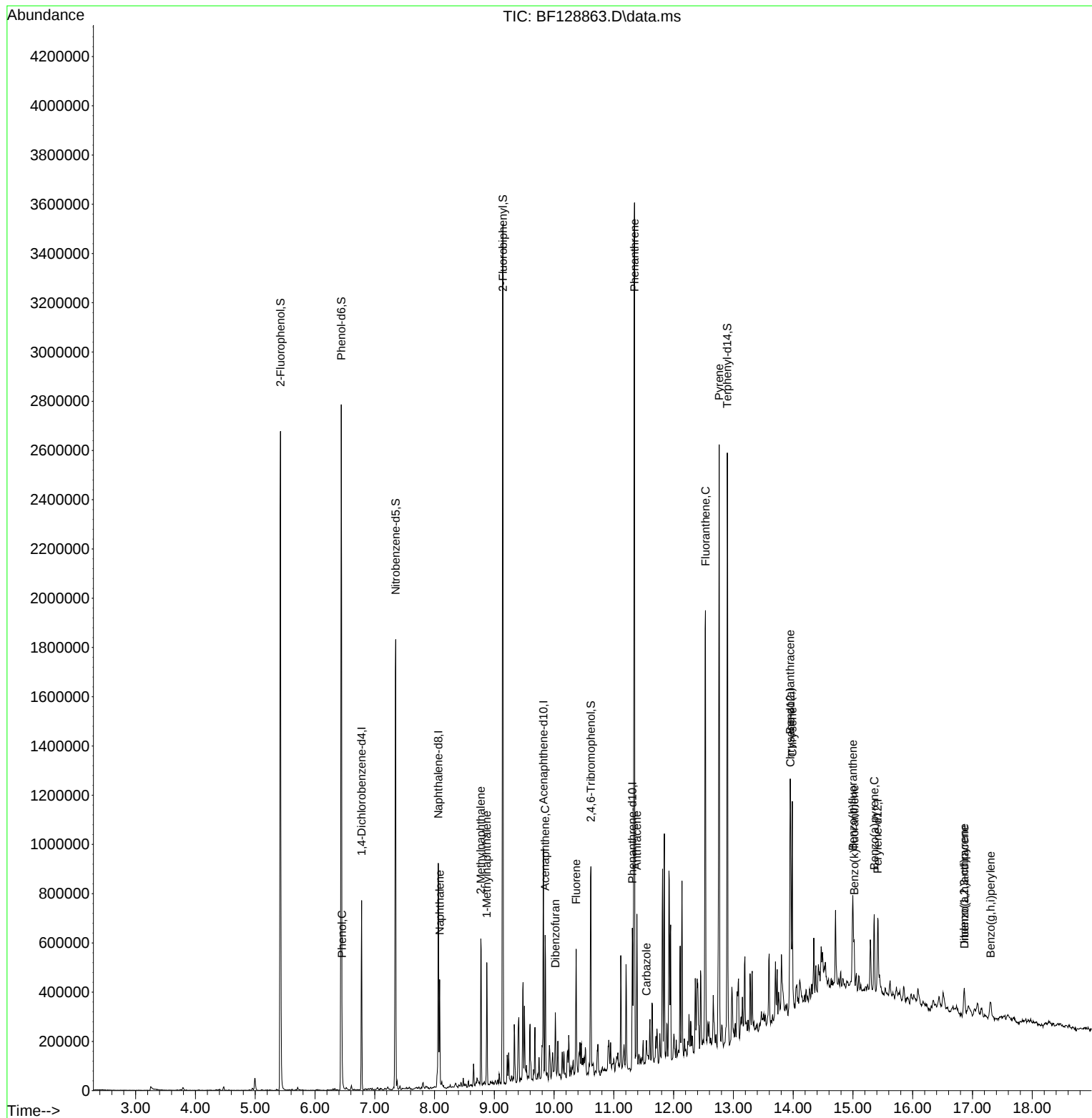
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061722\
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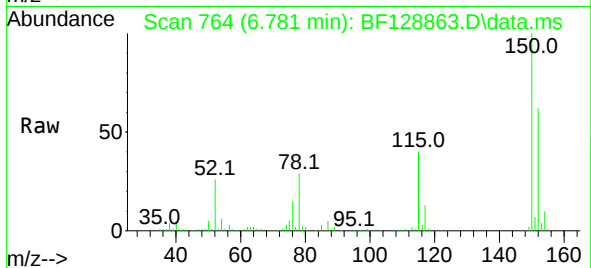
Reviewed By : Christian Giraldo 06/20/2022
Supervised By : Jagrut Upadhyay 06/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

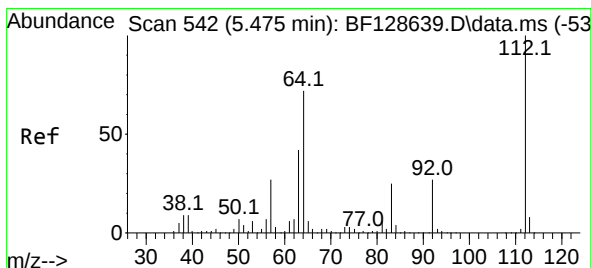
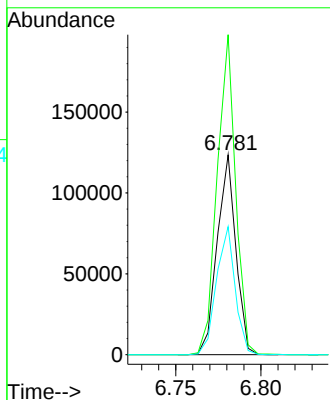
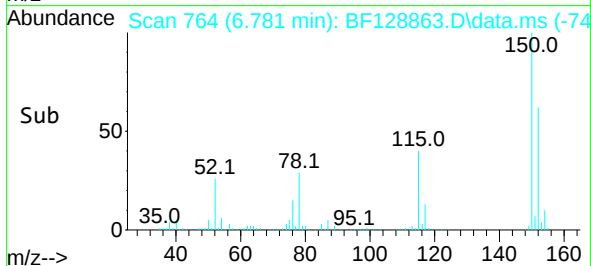
Instrument :
BNA_F
ClientSampleId :
RB-04-(3-5)



Tgt Ion:152 Resp: 94332
Ion Ratio Lower Upper
152 100
150 160.1 123.7 185.5
115 64.0 49.9 74.9

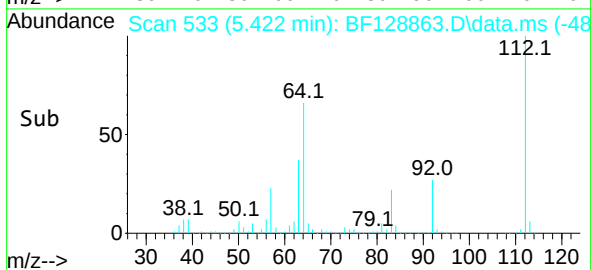
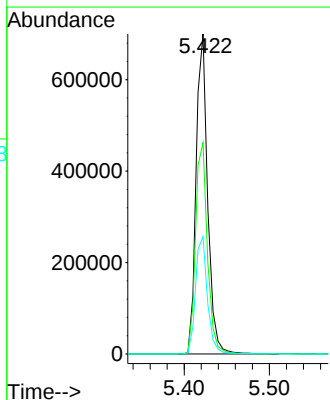
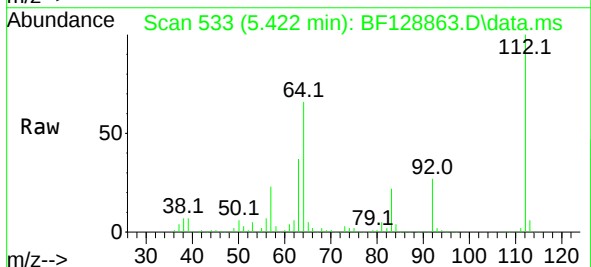
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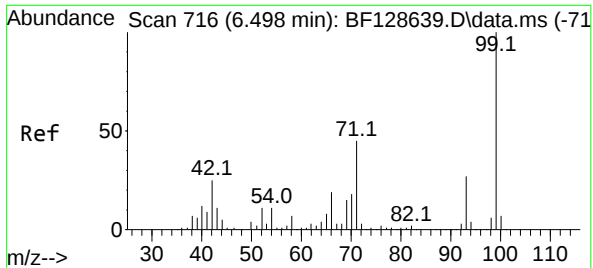
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#5
2-Fluorophenol
Concen: 111.383 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

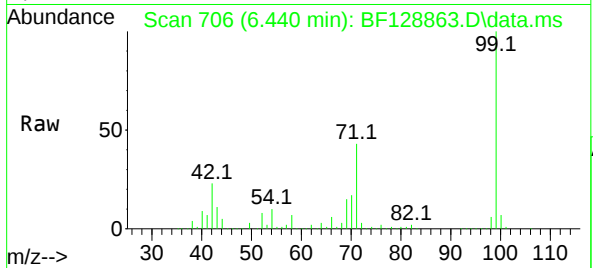
Tgt Ion:112 Resp: 659641
Ion Ratio Lower Upper
112 100
64 66.0 53.3 79.9
63 36.7 28.0 42.0





#7
Phenol-d6
Concen: 117.361 ng
RT: 6.440 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

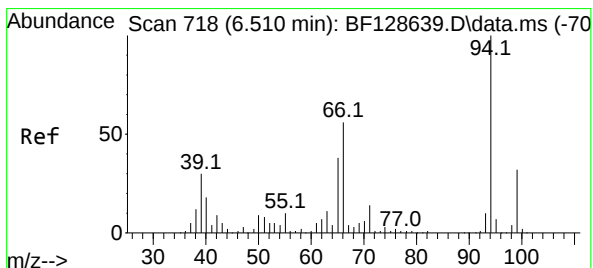
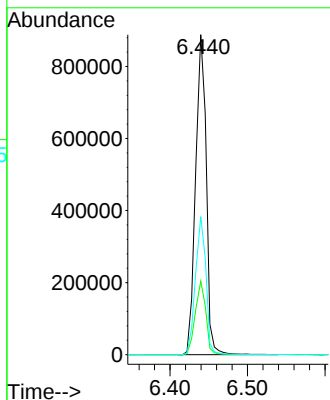
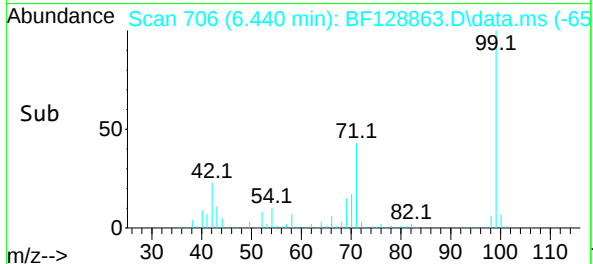
Instrument :
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RB-04-(3-5)



Tgt Ion: 99 Resp: 84842
Ion Ratio Lower Upper
99 100
42 23.0 17.3 25.9
71 43.2 28.9 43.3

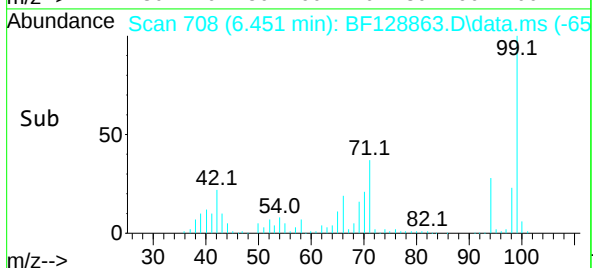
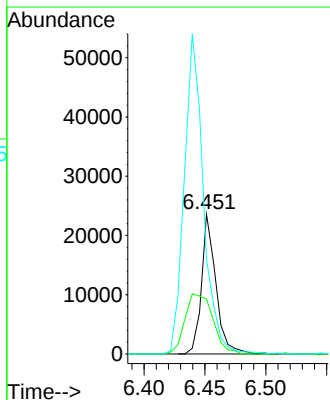
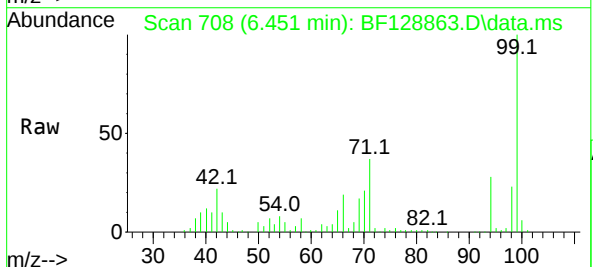
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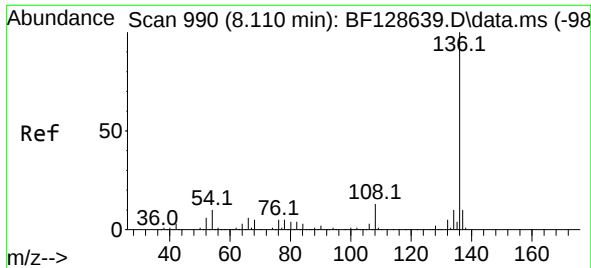
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#10
Phenol
Concen: 2.540 ng
RT: 6.451 min Scan# 708
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

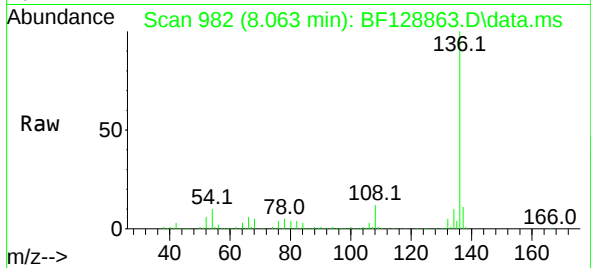
Tgt Ion: 94 Resp: 19410
Ion Ratio Lower Upper
94 100
65 39.1 11.4 51.4
66 67.5 21.4 61.4#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

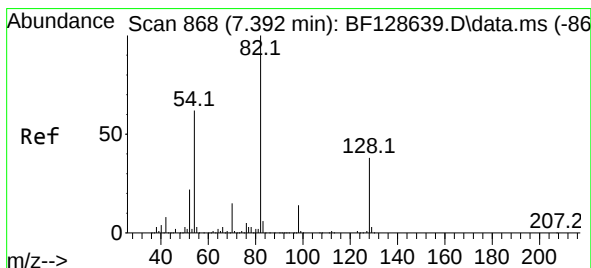
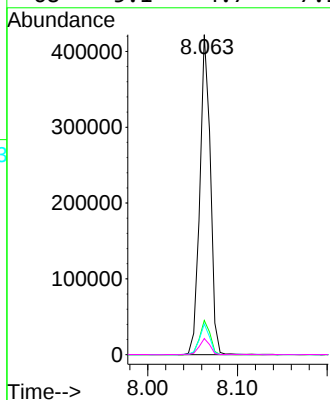
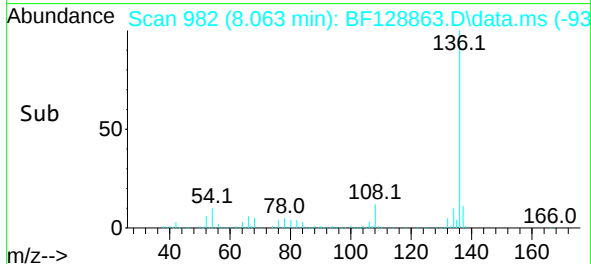
Instrument :
BNA_F
ClientSampleId :
RB-04-(3-5)



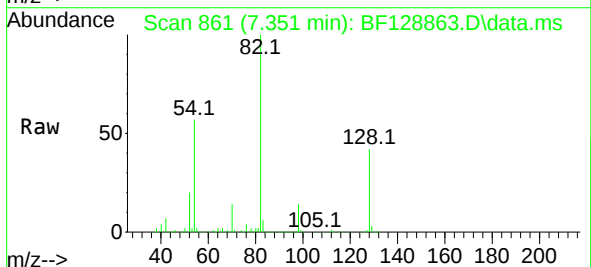
Tgt Ion:136 Resp: 34352
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.6 7.5 11.3
68 5.1 4.7 7.1

Manual Integrations
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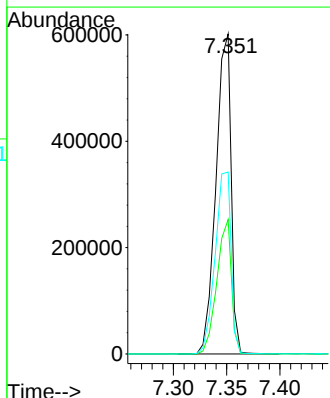
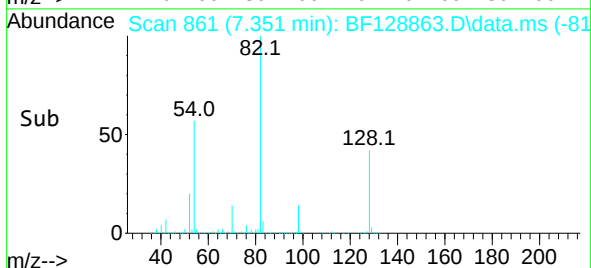
Reviewed By :Christian Giraldo 06/20/2022
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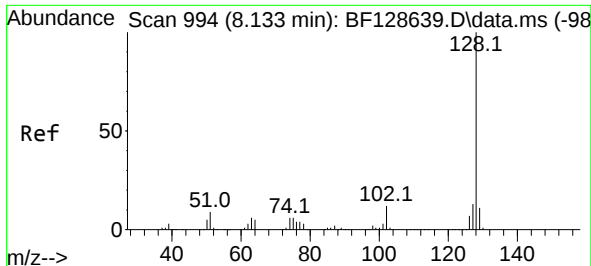


#23
Nitrobenzene-d5
Concen: 80.206 ng
RT: 7.351 min Scan# 861
Delta R.T. -0.000 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40



Tgt Ion: 82 Resp: 591782
Ion Ratio Lower Upper
82 100
128 42.0 34.0 51.0
54 56.8 46.9 70.3





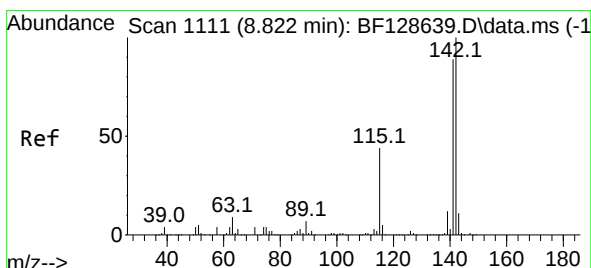
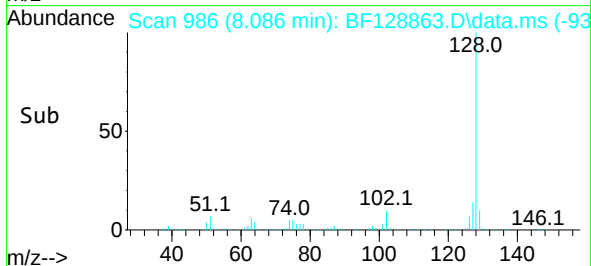
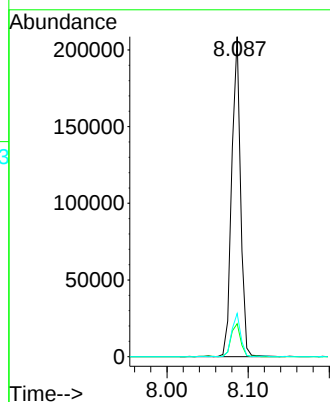
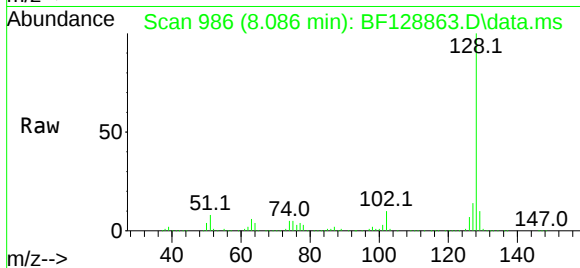
#31
Naphthalene
Concen: 8.994 ng
RT: 8.086 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

Instrument :
BNA_F
ClientSampleId :
RB-04-(3-5)

Tgt Ion:128 Resp: 15855
Ion Ratio Lower Upper
128 100
129 10.3 9.2 13.8
127 13.5 10.5 15.7

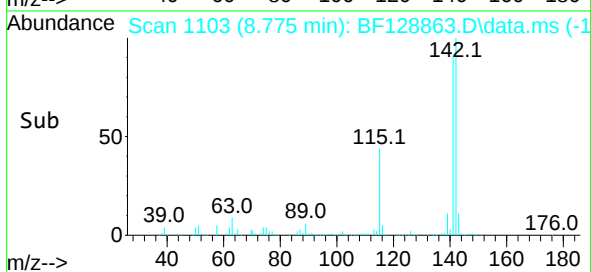
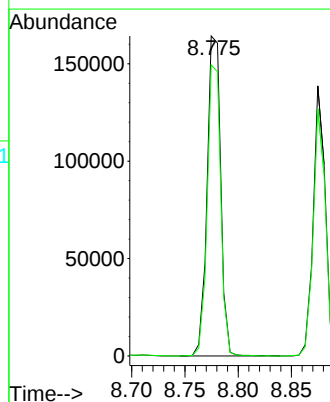
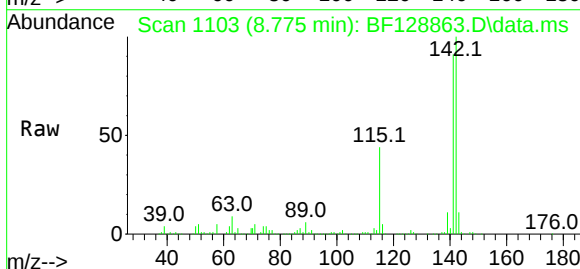
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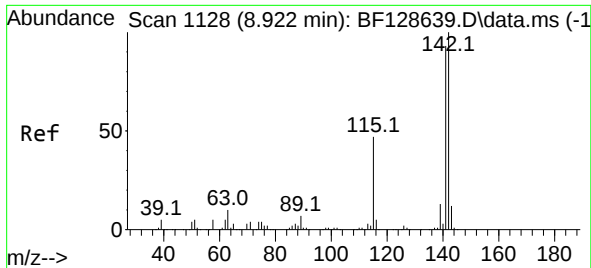
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#37
2-Methylnaphthalene
Concen: 13.061 ng
RT: 8.775 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

Tgt Ion:142 Resp: 146458
Ion Ratio Lower Upper
142 100
141 91.0 71.0 106.4





#38
 1-Methylnaphthalene
 Concen: 10.060 ng
 RT: 8.875 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: BF128863.D
 Acq: 17 Jun 2022 19:40

Instrument :

BNA_F

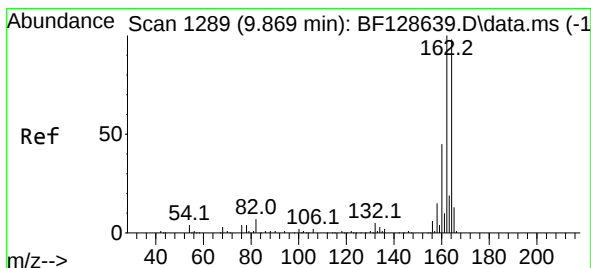
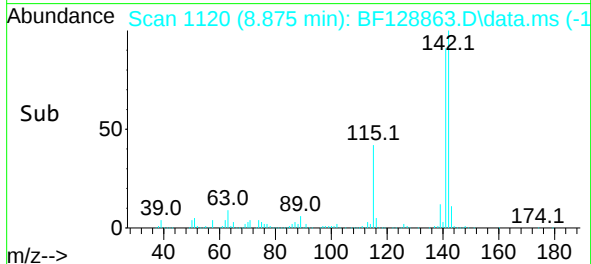
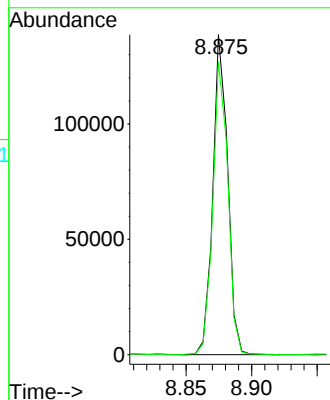
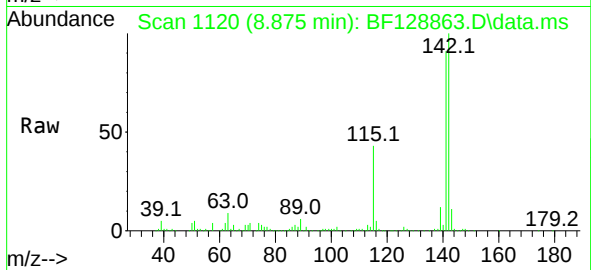
ClientSampleId :

RB-04-(3-5)

Tgt Ion:142 Resp: 108994
 Ion Ratio Lower Upper
 142 100
 141 91.5 74.2 111.4

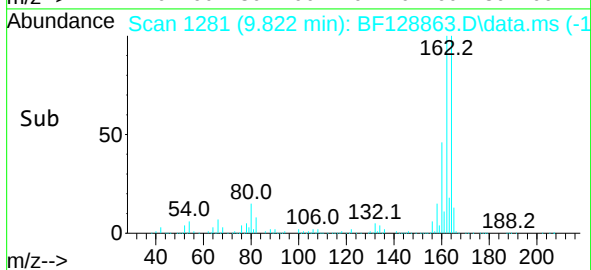
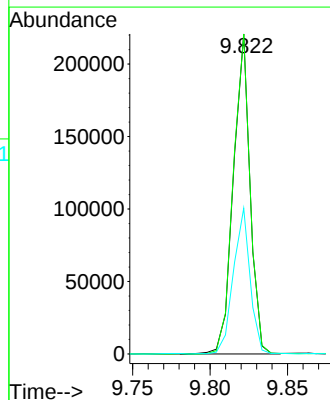
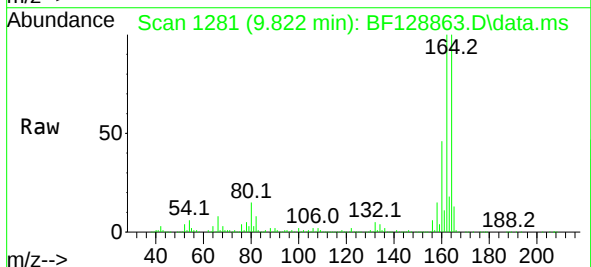
Manual Integrations
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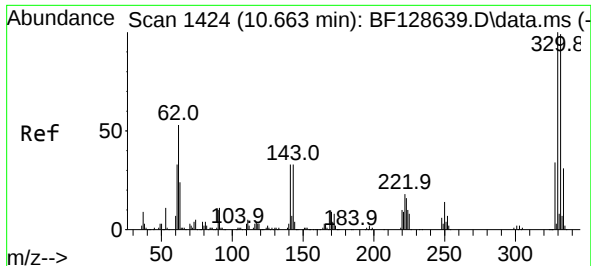
Reviewed By :Christian Giraldo 06/20/2022
 Supervised By :Jagrut Upadhyay 06/20/2022



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.822 min Scan# 1281
 Delta R.T. -0.006 min
 Lab File: BF128863.D
 Acq: 17 Jun 2022 19:40

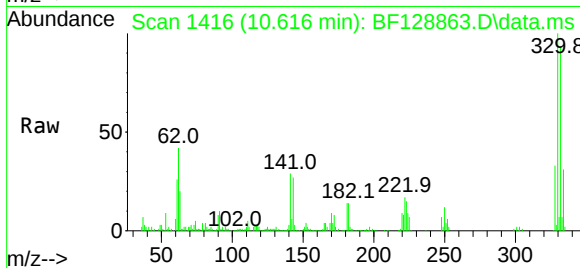
Tgt Ion:164 Resp: 165107
 Ion Ratio Lower Upper
 164 100
 162 100.0 79.5 119.3
 160 45.6 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 48.873 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

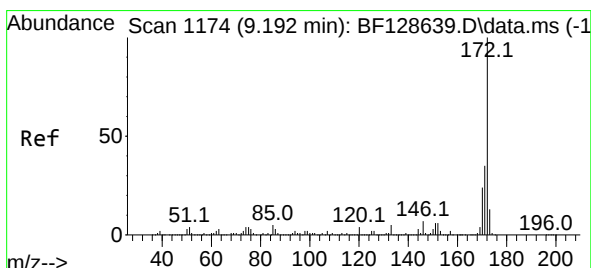
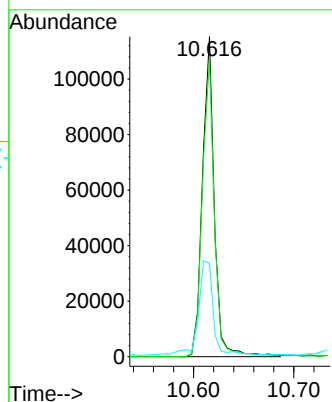
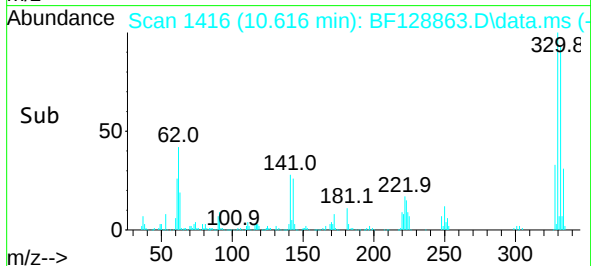
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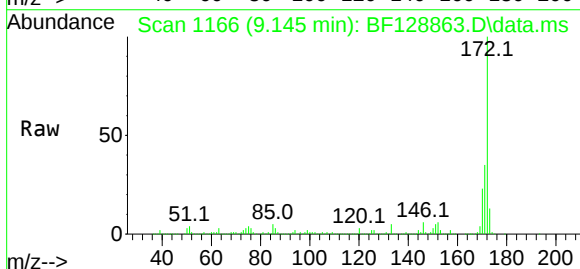
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Ion Ratio Lower Upper
330 100
332 93.8 76.8 115.2
141 37.9 28.0 42.0

Manual Integrations
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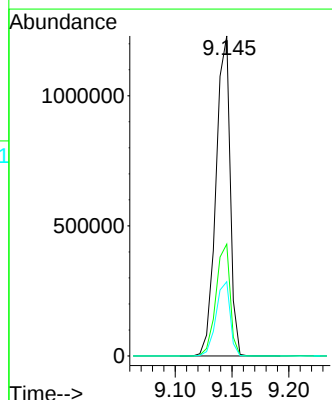
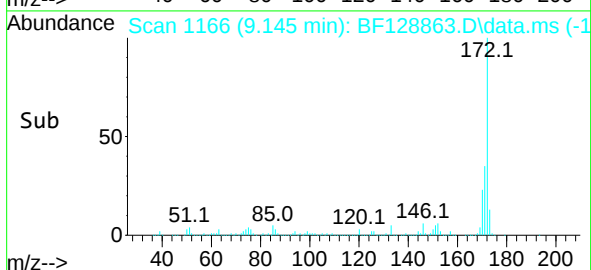
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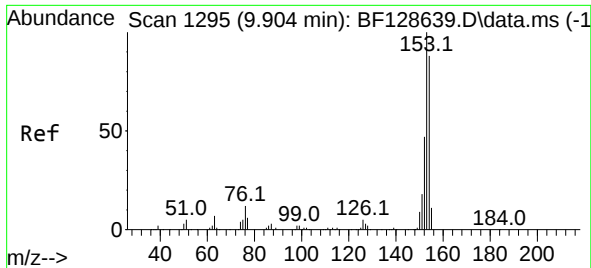


#45
2-Fluorobiphenyl
Concen: 90.487 ng
RT: 9.145 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40



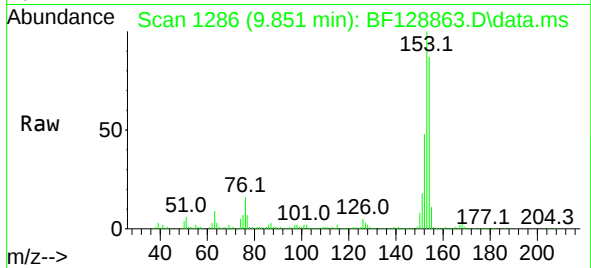
Tgt Ion: 172 Resp: 1066537
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.2 19.8 29.8





#52
Acenaphthene
Concen: 11.367 ng
RT: 9.851 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

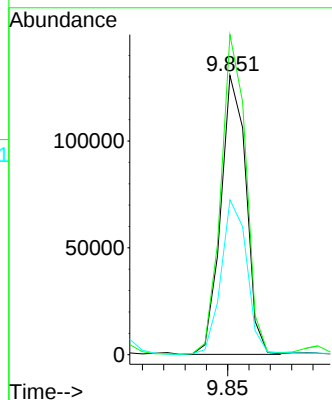
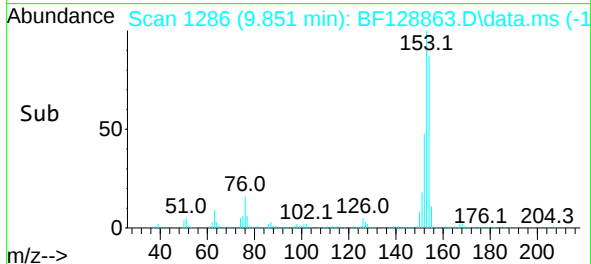
Instrument :
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RB-04-(3-5)



Tgt Ion:154 Resp: 10712
Ion Ratio Lower Upper
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153 114.6 89.6 134.4
152 55.5 42.4 63.6

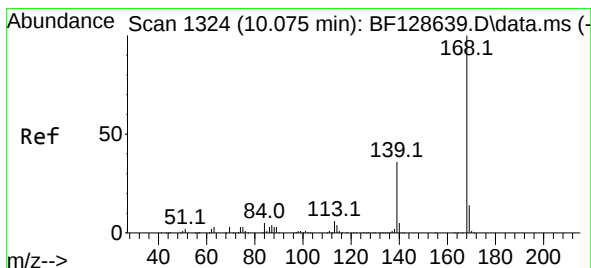
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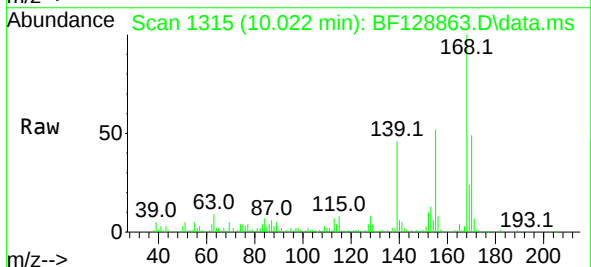


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Upadhyay

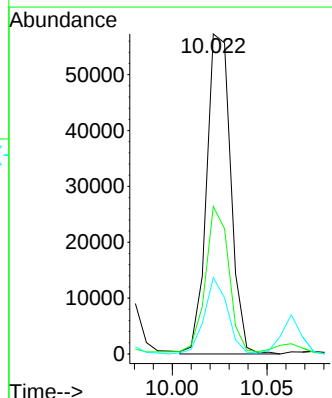
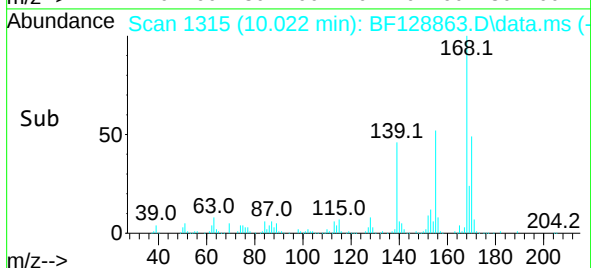
06/20/2022

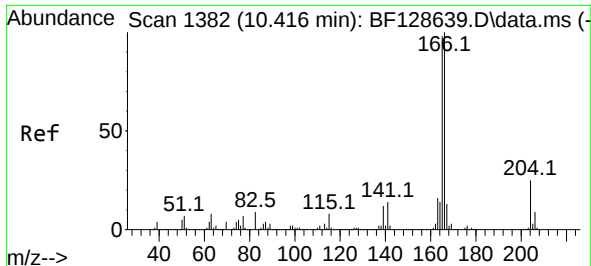


#55
Dibenzofuran
Concen: 3.757 ng
RT: 10.022 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40



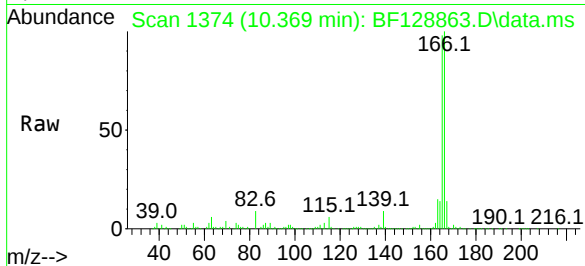
Tgt Ion:168 Resp: 50888
Ion Ratio Lower Upper
168 100
139 46.1 30.6 46.0#
169 23.8 11.0 16.6#





#58
Fluorene
Concen: 11.105 ng
RT: 10.369 min Scan# 11664
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

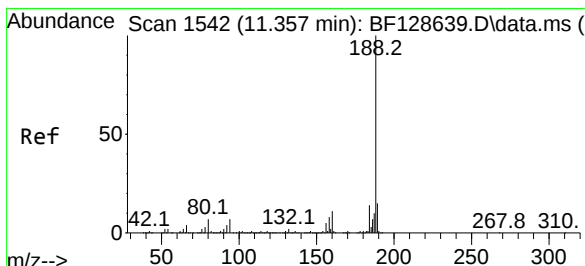
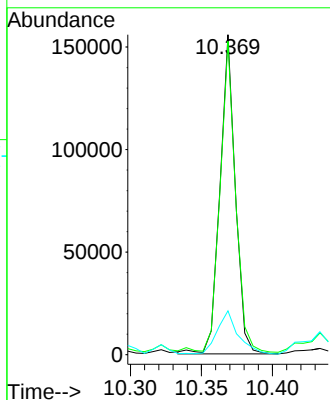
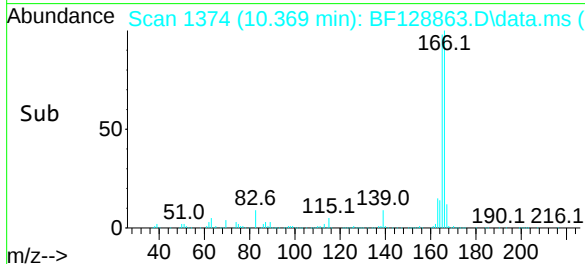
Instrument :
BNA_F
ClientSampleId :
RB-04-(3-5)



Tgt Ion:166 Resp: 116640
Ion Ratio Lower Upper
166 100
165 97.9 78.1 117.1
167 13.7 10.5 15.7

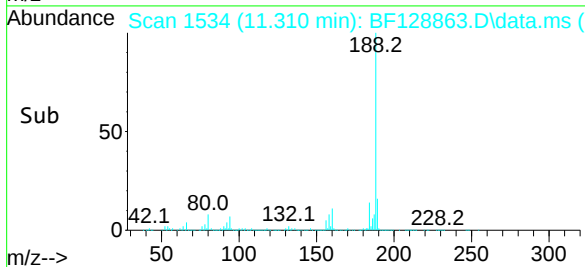
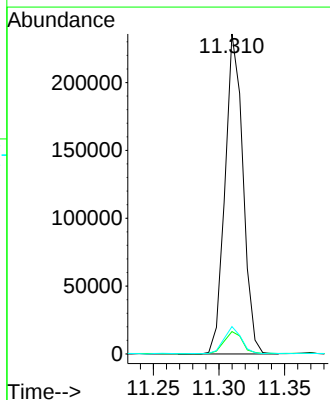
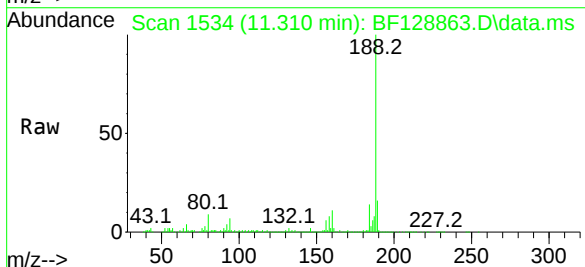
Manual Integrations
APPROVED

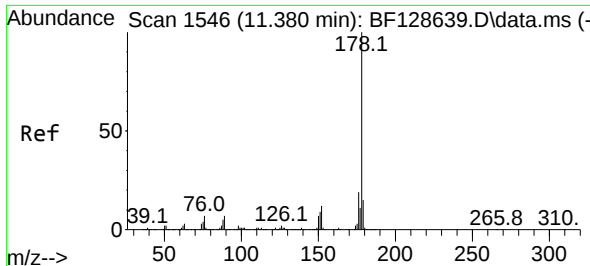
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

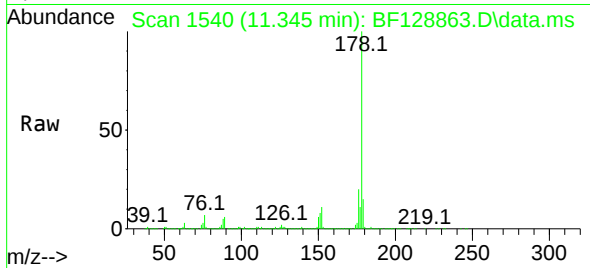
Tgt Ion:188 Resp: 224142
Ion Ratio Lower Upper
188 100
94 7.0 7.0 10.6#
80 8.5 7.6 11.4





#71
Phenanthrene
Concen: 127.788 ng
RT: 11.345 min Scan# 11345
Delta R.T. 0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

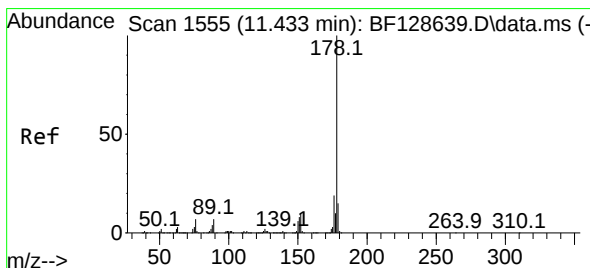
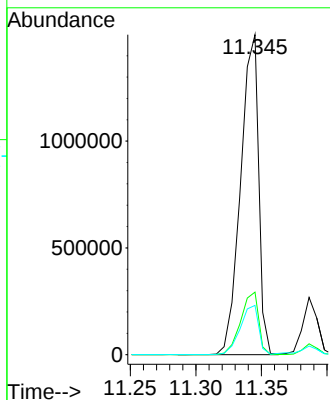
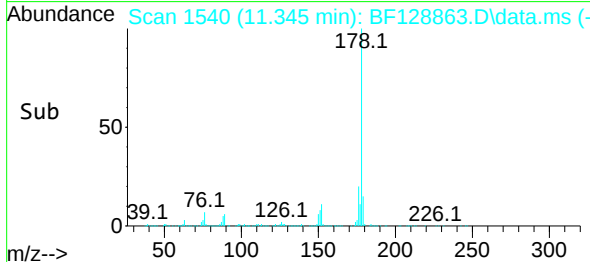
Instrument :
BNA_F
ClientSampleId :
RB-04-(3-5)



Tgt Ion:178 Resp: 1436659
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.4 12.6 19.0

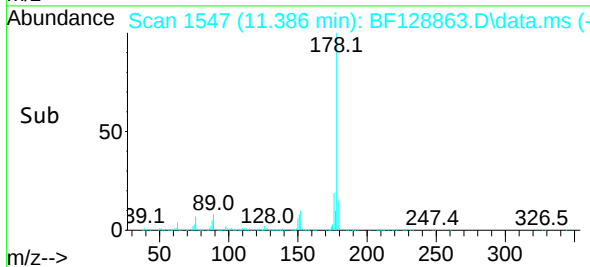
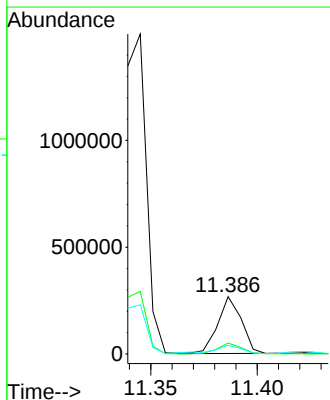
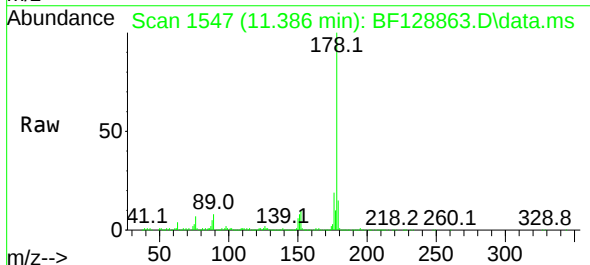
Manual Integrations
APPROVED

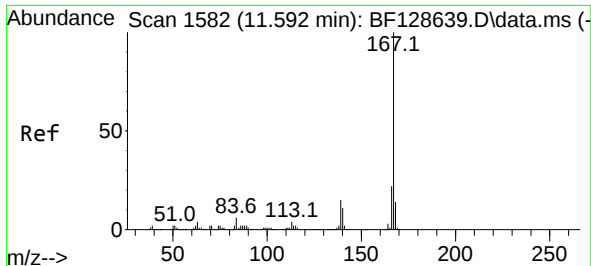
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#72
Anthracene
Concen: 18.411 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

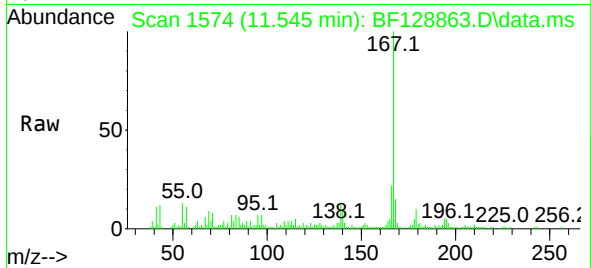
Tgt Ion:178 Resp: 204869
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.1 12.6 19.0





#73
 Carbazole
 Concen: 2.826 ng
 RT: 11.545 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128863.D
 Acq: 17 Jun 2022 19:40

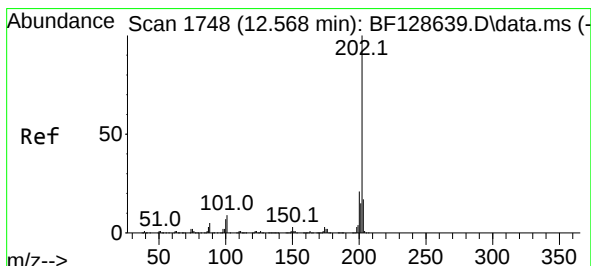
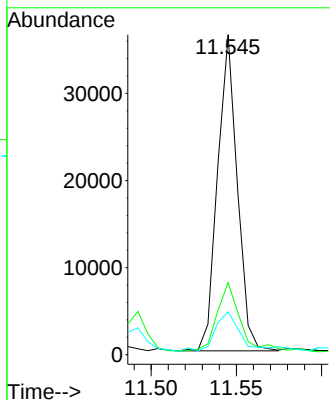
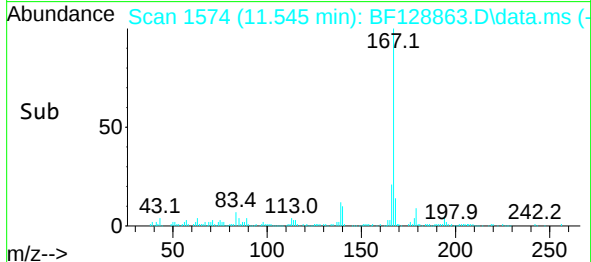
Instrument :
 BNA_F
 ClientSampleId :
 RB-04-(3-5)



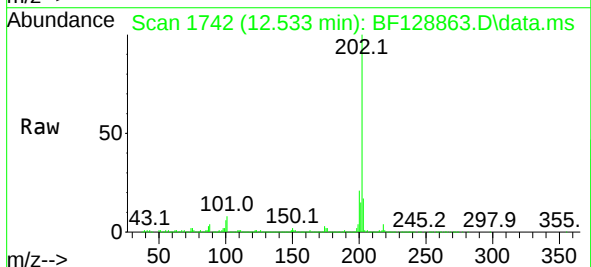
Tgt Ion:167 Resp: 2920
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.7 26.5
 139 13.4 11.2 16.8

Manual Integrations
 APPROVED

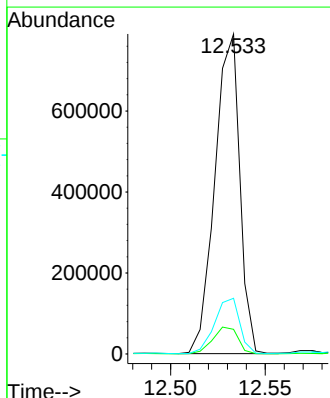
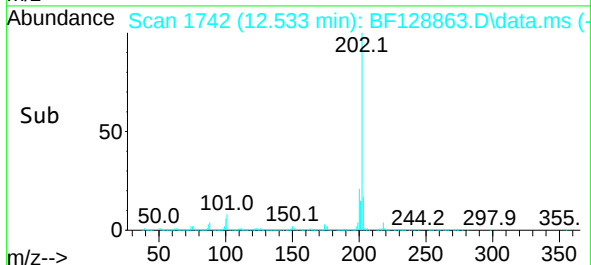
Reviewed By :Christian Giraldo 06/20/2022
 Supervised By :Jagrut Upadhyay 06/20/2022

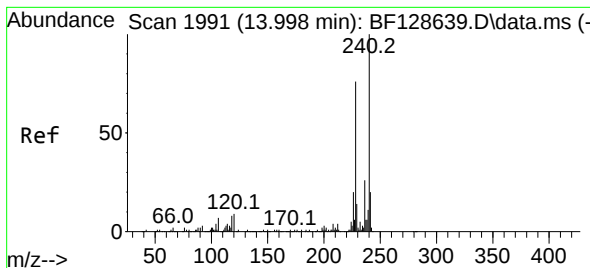


#75
 Fluoranthene
 Concen: 61.552 ng
 RT: 12.533 min Scan# 1742
 Delta R.T. 0.006 min
 Lab File: BF128863.D
 Acq: 17 Jun 2022 19:40



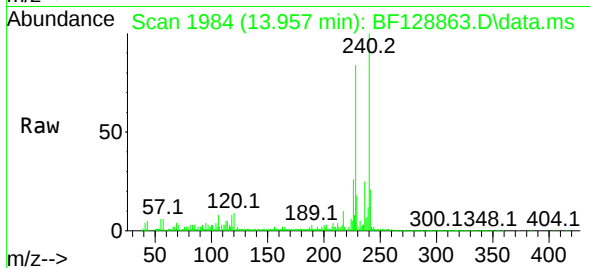
Tgt Ion:202 Resp: 723345
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 31.4
 203 17.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

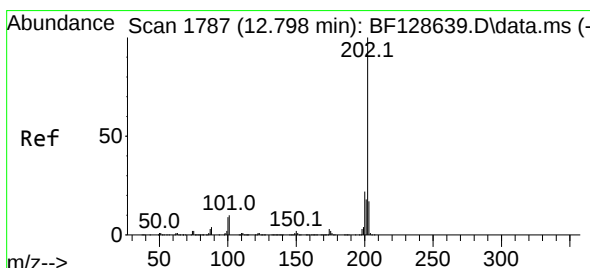
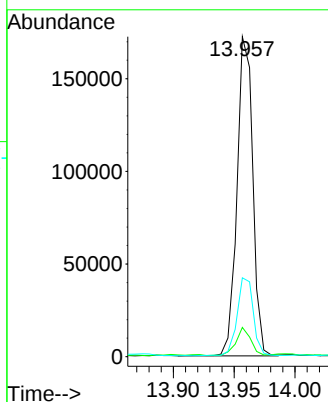
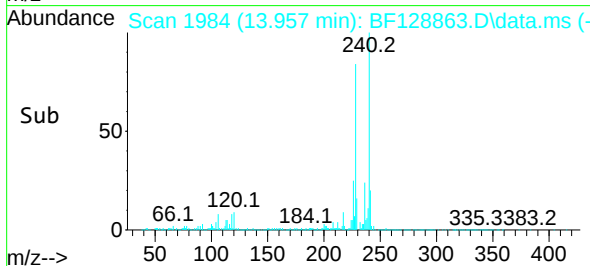
Instrument :
BNA_F
ClientSampleId :
RB-04-(3-5)



Tgt Ion:240 Resp: 15545
Ion Ratio Lower Upper
240 100
120 9.2 8.9 13.3
236 24.7 20.8 31.2

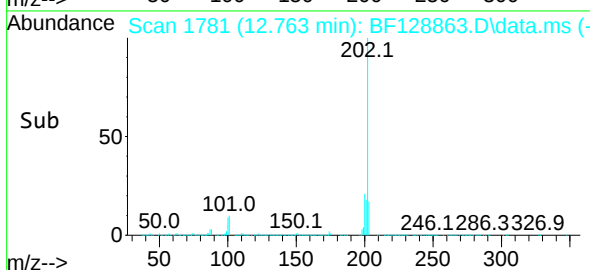
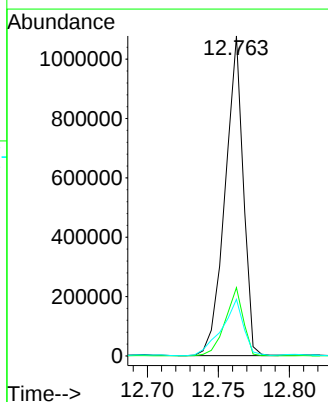
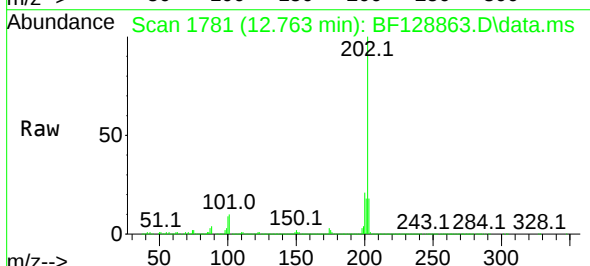
Manual Integrations
APPROVED

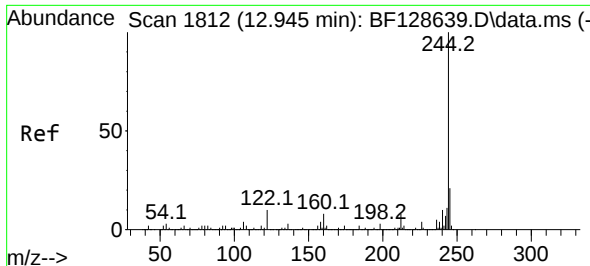
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#78
Pyrene
Concen: 82.684 ng
RT: 12.763 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

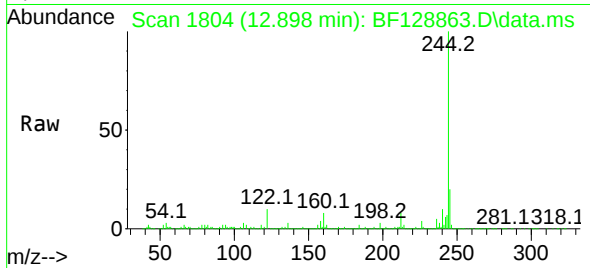
Tgt Ion:202 Resp: 956298
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 17.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 90.325 ng
 RT: 12.898 min Scan# 1804
 Delta R.T. -0.006 min
 Lab File: BF128863.D
 Acq: 17 Jun 2022 19:40

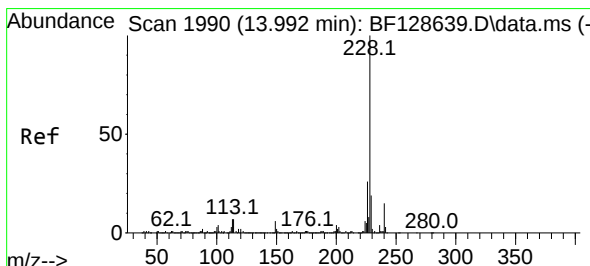
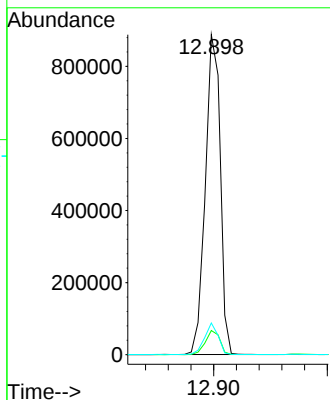
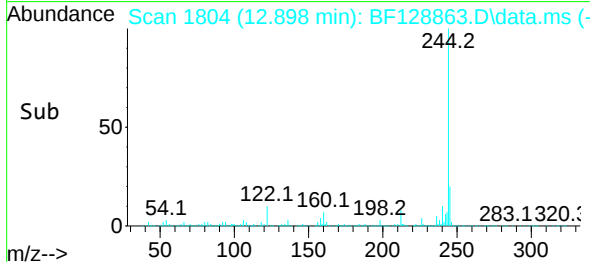
Instrument :
 BNA_F
 ClientSampleId :
 RB-04-(3-5)



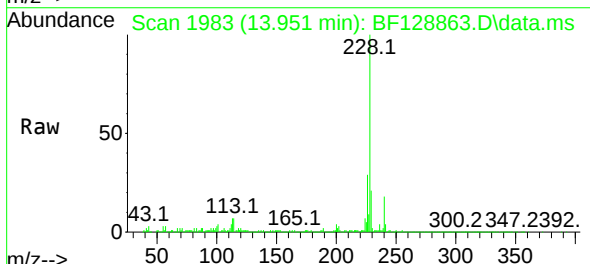
Tgt Ion:244 Resp: 808065
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 9.9 8.8 13.2

Manual Integrations
 APPROVED

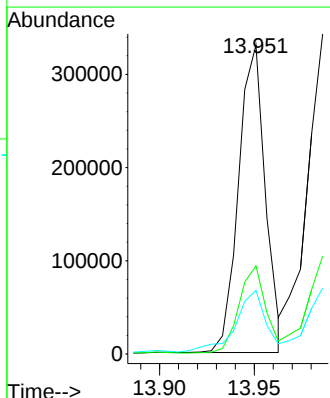
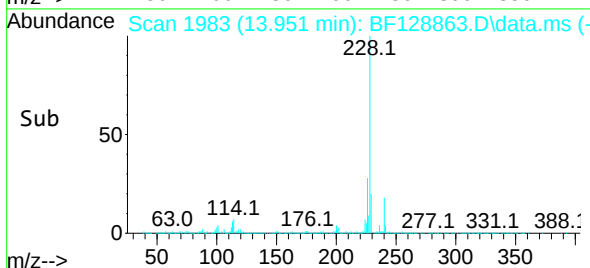
Reviewed By :Christian Giraldo 06/20/2022
 Supervised By :Jagrut Upadhyay 06/20/2022

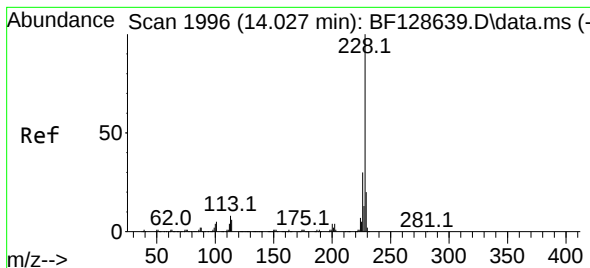


#81
 Benzo(a)anthracene
 Concen: 33.466 ng
 RT: 13.951 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: BF128863.D
 Acq: 17 Jun 2022 19:40



Tgt Ion:228 Resp: 324279
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.1 33.1
 229 20.5 15.8 23.8





#83

Chrysene

Concen: 33.108 ng

RT: 13.986 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF128863.D

Acq: 17 Jun 2022 19:40

Instrument :

BNA_F

ClientSampleId :

RB-04-(3-5)

Tgt Ion:228 Resp: 30585

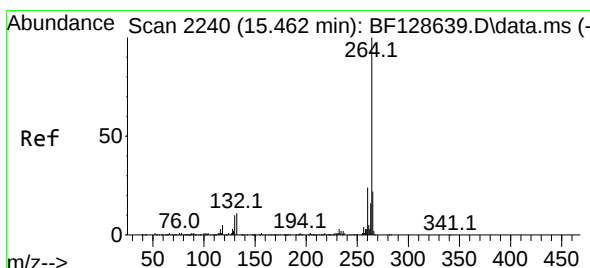
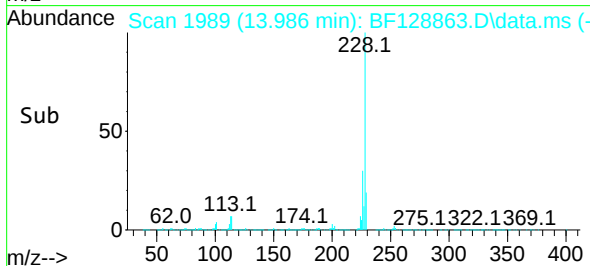
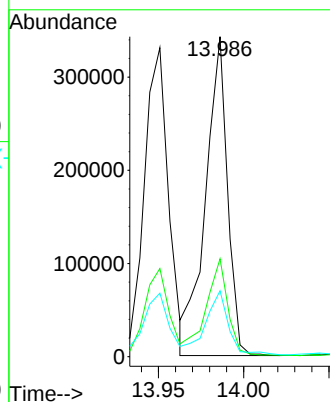
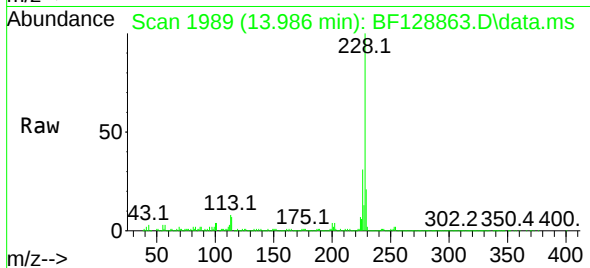
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	20.6	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 06/20/2022

Supervised By :Jagrut Upadhyay 06/20/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2232

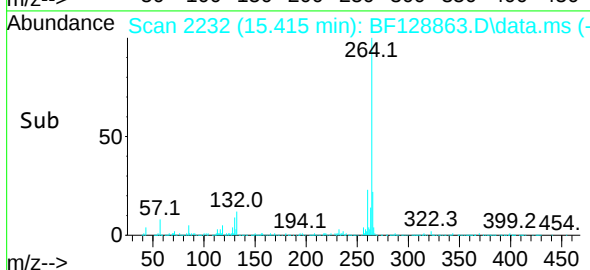
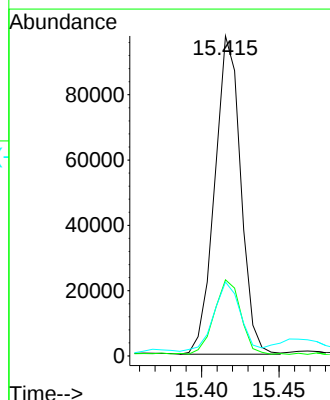
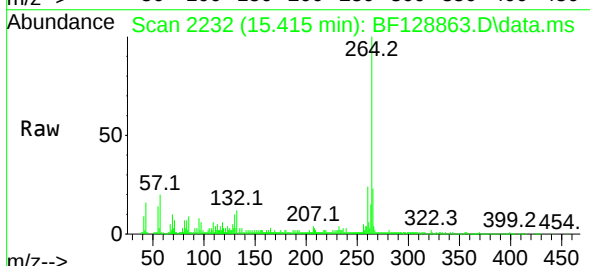
Delta R.T. -0.000 min

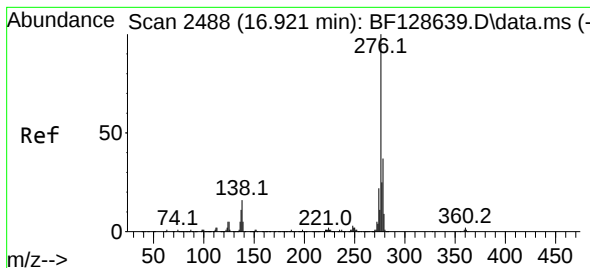
Lab File: BF128863.D

Acq: 17 Jun 2022 19:40

Tgt Ion:264 Resp: 113513

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	23.1	17.2	25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.829 ng

RT: 16.862 min Scan# 2488

Delta R.T. -0.000 min

Lab File: BF128863.D

Acq: 17 Jun 2022 19:40

Instrument :

BNA_F

ClientSampleId :

RB-04-(3-5)

Tgt Ion:276 Resp: 67249

Ion Ratio Lower Upper

276 100

138 16.9 21.1 31.7

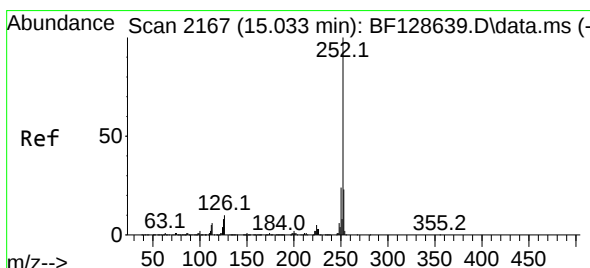
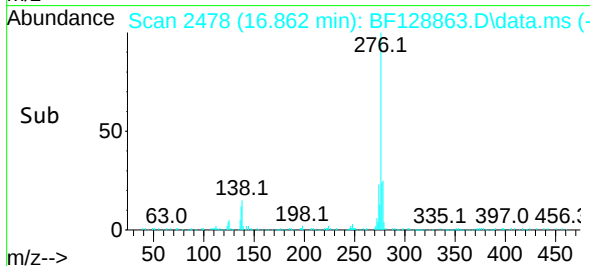
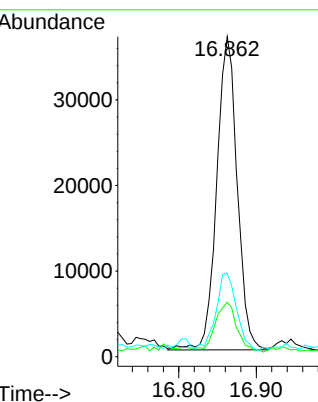
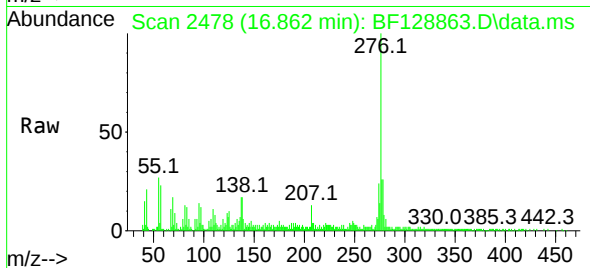
277 24.7 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/20/2022

Supervised By :Jagrut Upadhyay 06/20/2022



#88

Benzo(b)fluoranthene

Concen: 28.925 ng m

RT: 14.998 min Scan# 2161

Delta R.T. 0.006 min

Lab File: BF128863.D

Acq: 17 Jun 2022 19:40

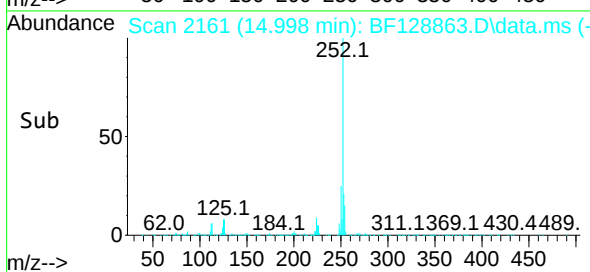
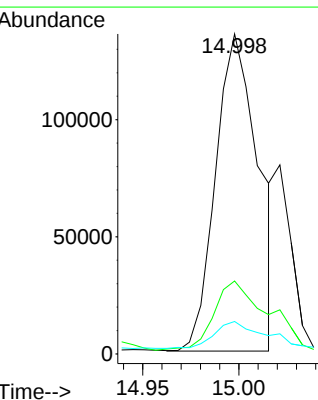
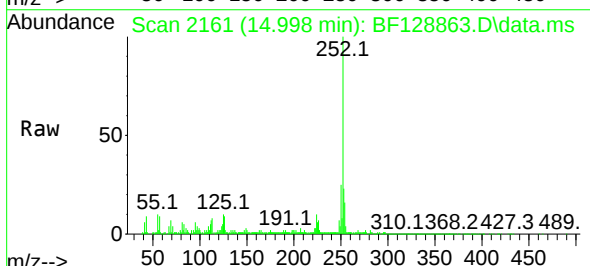
Tgt Ion:252 Resp: 209803

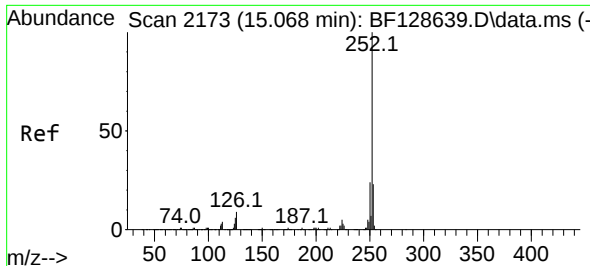
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 10.2 8.0 12.0





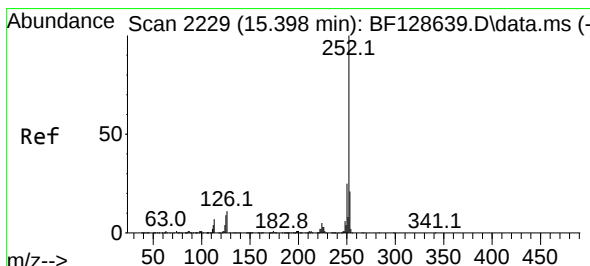
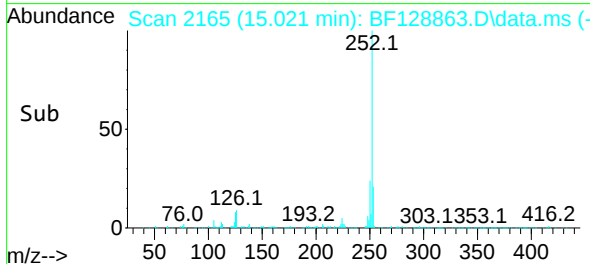
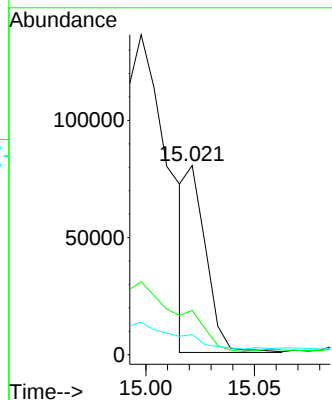
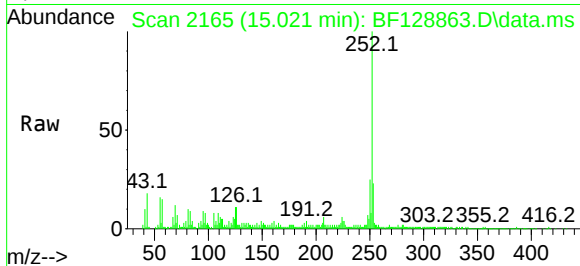
#89
Benzo(k)fluoranthene
Concen: 7.347 ng m
RT: 15.021 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

Instrument :
BNA_F
ClientSampleId :
RB-04-(3-5)

Tgt Ion:252 Resp: 50128
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.6 8.3 12.5

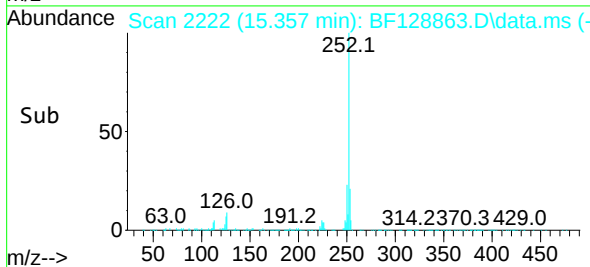
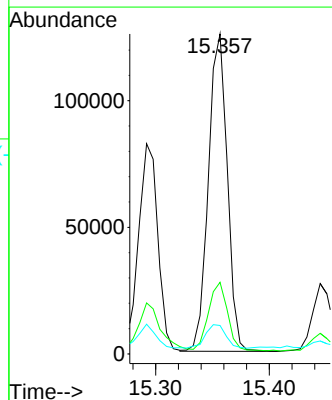
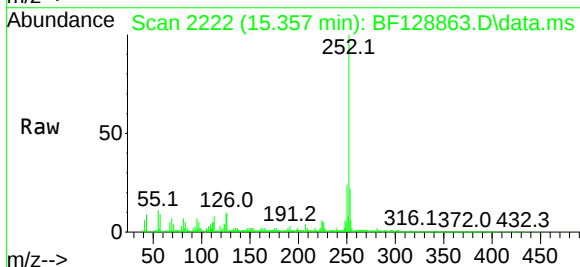
Manual Integrations
APPROVED

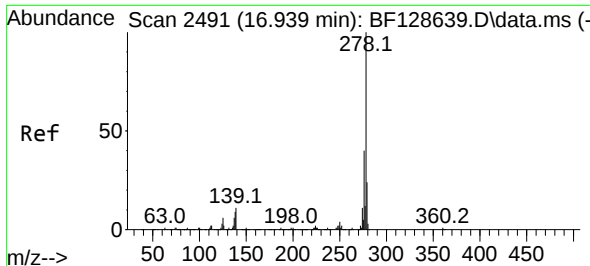
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#90
Benzo(a)pyrene
Concen: 25.407 ng
RT: 15.357 min Scan# 2222
Delta R.T. -0.000 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

Tgt Ion:252 Resp: 144841
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 8.9 8.8 13.2





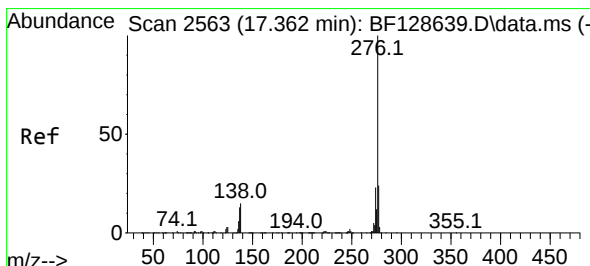
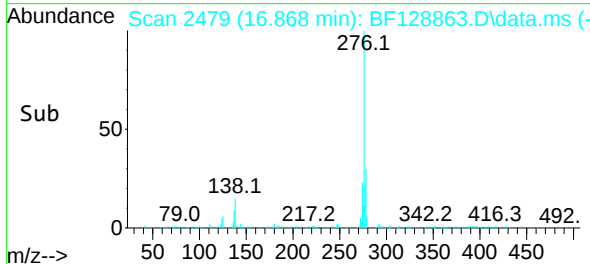
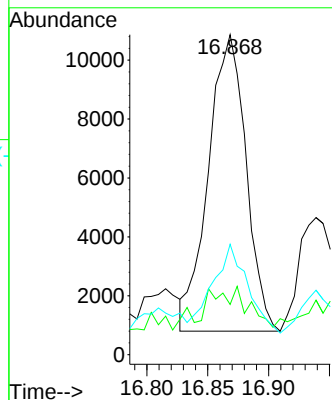
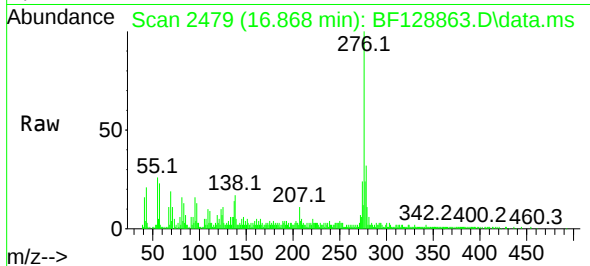
#91
Dibenzo(a,h)anthracene
Concen: 3.815 ng
RT: 16.868 min Scan# 2491
Delta R.T. -0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

Instrument :
BNA_F
ClientSampleId :
RB-04-(3-5)

Tgt Ion:278 Resp: 2165
Ion Ratio Lower Upper
278 100
139 15.7 12.8 19.2
279 34.5 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#92
Benzo(g,h,i)perylene
Concen: 11.396 ng
RT: 17.304 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BF128863.D
Acq: 17 Jun 2022 19:40

Tgt Ion:276 Resp: 64094
Ion Ratio Lower Upper
276 100
277 28.1 19.1 28.7
138 12.3 18.0 27.0

