

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129833.D
 Acq On : 17 Aug 2022 03:10
 Operator : CG\JU
 Sample : N4191-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-211

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/17/2022
 Supervised By : Jagrut Upadhyay 08/17/2022

Quant Time: Aug 17 04:47:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	114482	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	384922	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	178312	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	305649	20.000	ng	0.00
76) Chrysene-d12	14.027	240	185682	20.000	ng	0.02
86) Perylene-d12	15.504	264	154793	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	893050	129.158	ng	0.00
7) Phenol-d6	6.481	99	1016507	117.396	ng	0.00
23) Nitrobenzene-d5	7.392	82	608491	84.624	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	228499	127.680	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1016635	86.594	ng	0.00
79) Terphenyl-d14	12.945	244	1050021	94.095	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.728	152	418098	25.724	ng	99
52) Acenaphthene	9.892	154	47255	4.792	ng	95
55) Dibenzofuran	10.069	168	87438	5.902	ng	99
58) Fluorene	10.410	166	88195	7.130	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.198	232	11424	4.490	ng	# 72
70) Pentachlorophenol	11.175	266	96072	82.477	ng	95
71) Phenanthrene	11.386	178	1885248	110.439	ng	99
72) Anthracene	11.439	178	1241395	73.128	ng	99
73) Carbazole	11.592	167	646833	41.975	ng	99
75) Fluoranthene	12.598	202	4793005	274.388	ng	94
78) Pyrene	12.827	202	4393890	272.309	ng	96
81) Benzo(a)anthracene	14.016	228	1830149	143.280	ng	# 88
83) Chrysene	14.063	228	3815424	319.104	ng	96
84) Bis(2-ethylhexyl)phtha...	13.974	149	37280	4.602	ng	# 89
87) Indeno(1,2,3-cd)pyrene	17.009	276	696626	65.554	ng	# 92
88) Benzo(b)fluoranthene	15.086	252	3249885m	306.607	ng	
89) Benzo(k)fluoranthene	15.110	252	746404m	73.429	ng	
90) Benzo(a)pyrene	15.451	252	897284	107.497	ng	95
91) Dibenzo(a,h)anthracene	17.004	278	171000m	19.502	ng	
92) Benzo(g,h,i)perylene	17.462	276	569268	65.076	ng	96

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

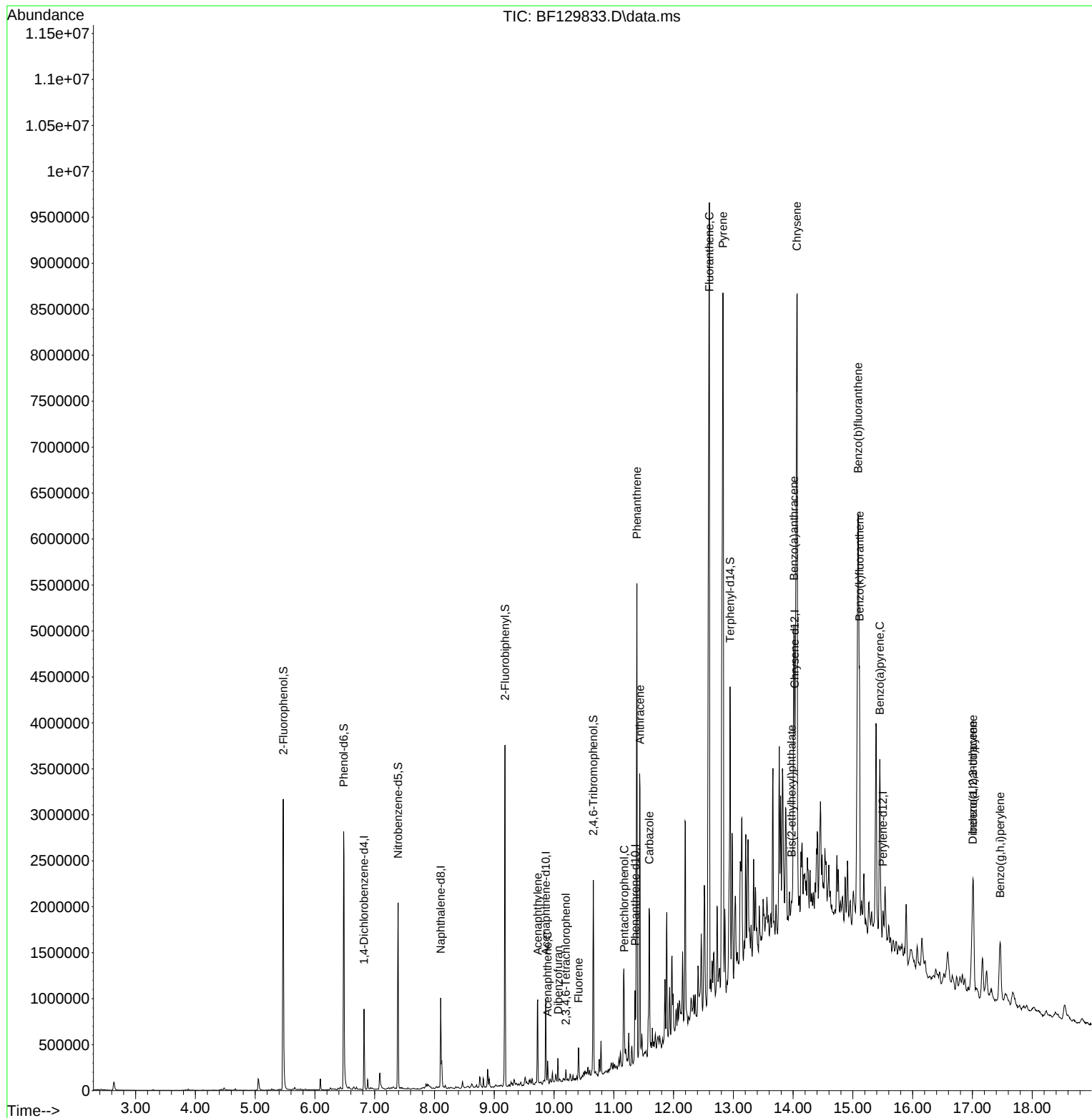
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
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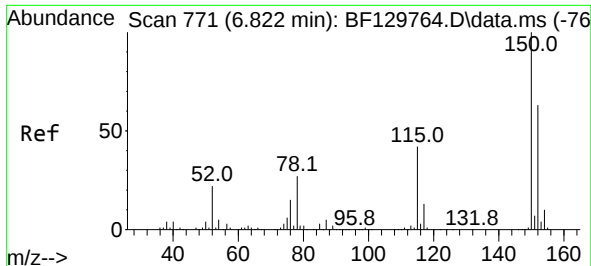
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Aug 17 04:47:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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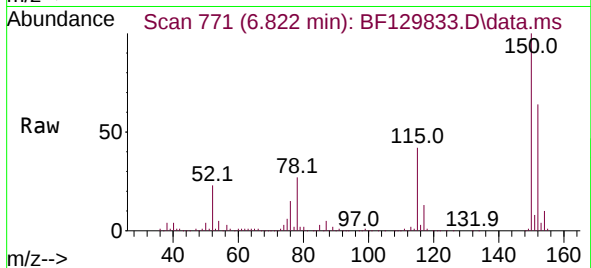
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

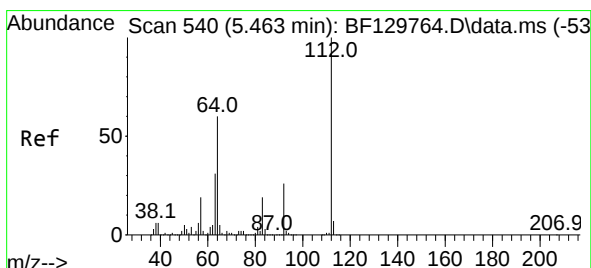
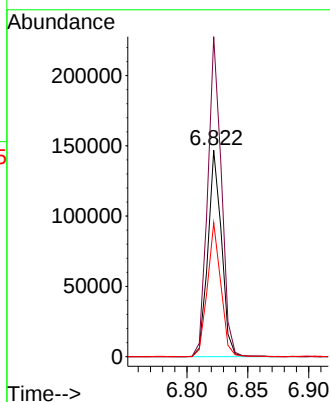
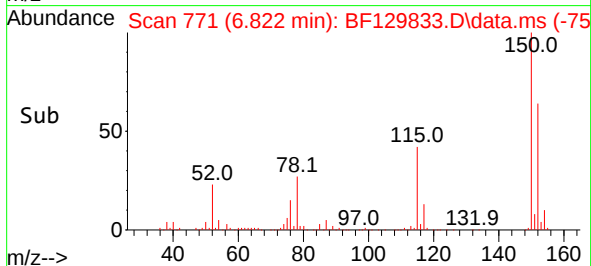
Instrument :
BNA_F
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RO-211



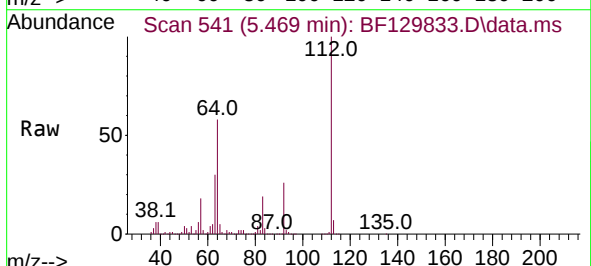
Tgt Ion:152 Resp: 114482
Ion Ratio Lower Upper
152 100
150 155.1 126.9 190.3
115 64.9 53.4 80.0

Manual Integrations
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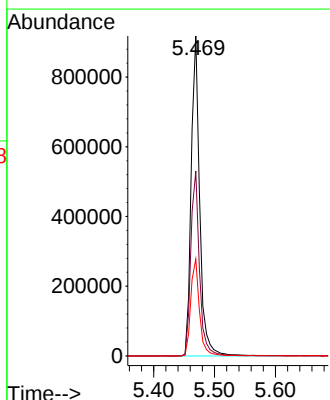
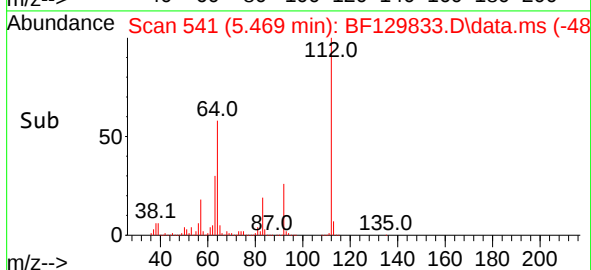
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

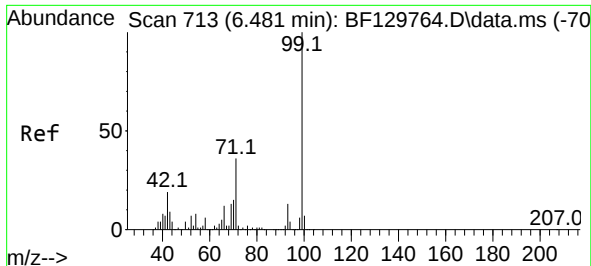


#5
2-Fluorophenol
Concen: 129.158 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10



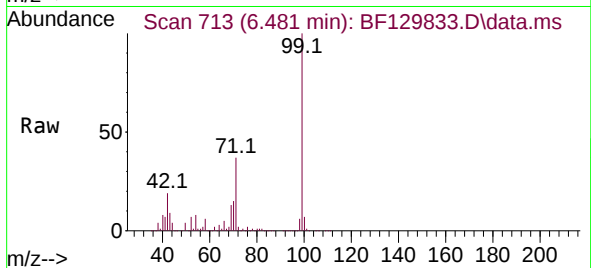
Tgt Ion:112 Resp: 893050
Ion Ratio Lower Upper
112 100
64 57.7 47.6 71.4
63 30.3 24.6 37.0





#7
Phenol-d6
Concen: 117.396 ng
RT: 6.481 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

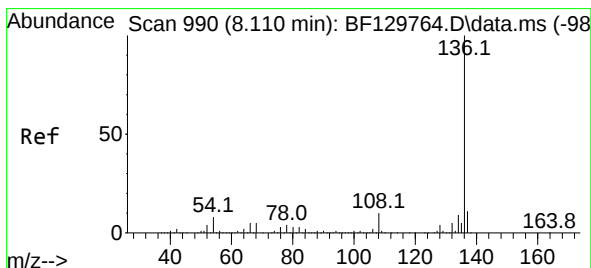
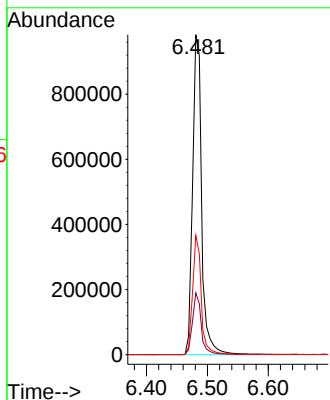
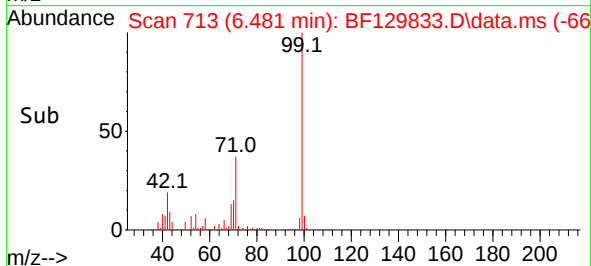
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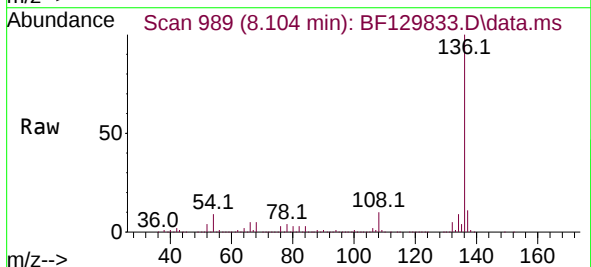
Tgt Ion: 99 Resp: 101650
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.4
71 37.2 28.8 43.2

Manual Integrations
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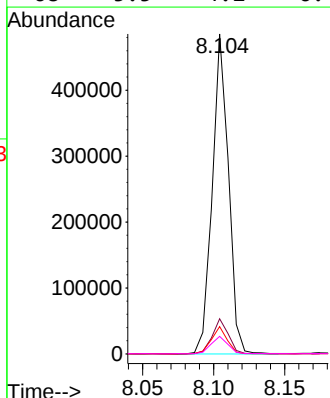
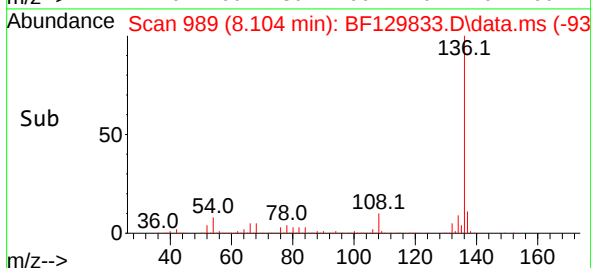
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

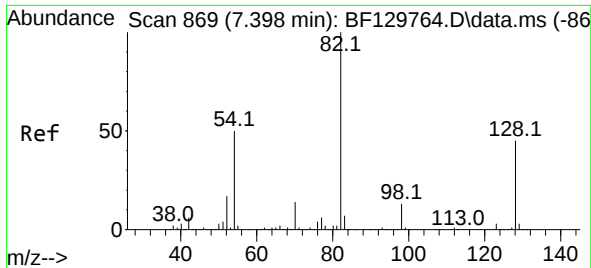


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10



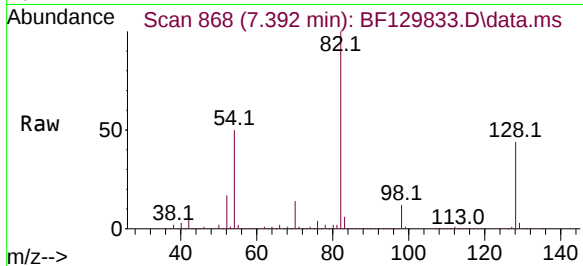
Tgt Ion:136 Resp: 384922
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.5 6.2 9.2
68 5.5 4.2 6.4





#23
Nitrobenzene-d5
Concen: 84.624 ng
RT: 7.392 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

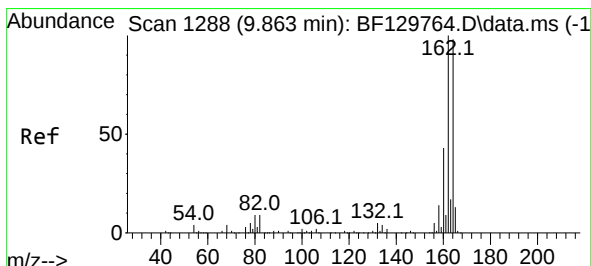
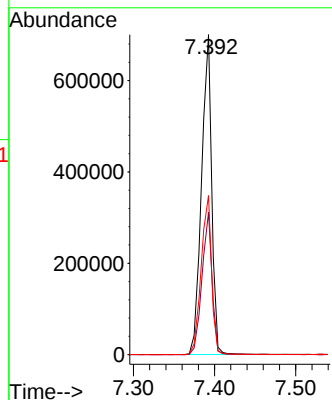
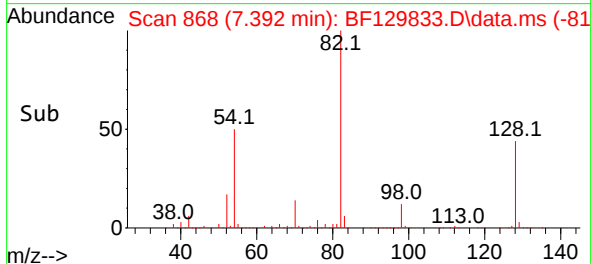
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 608491
Ion Ratio Lower Upper
82 100
128 44.4 36.1 54.1
54 49.7 40.0 60.0

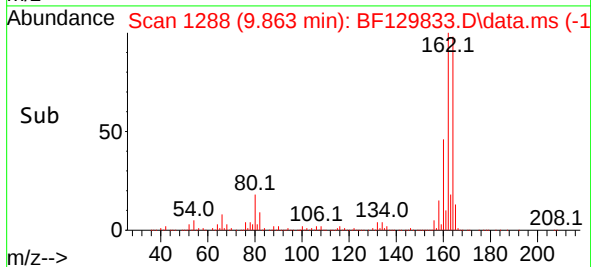
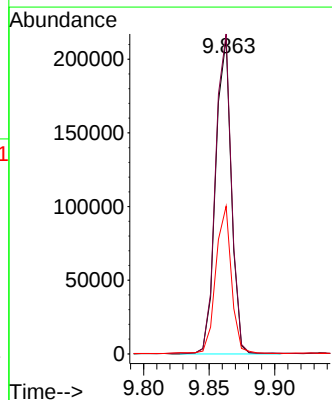
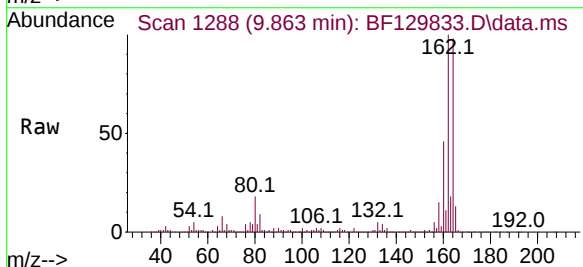
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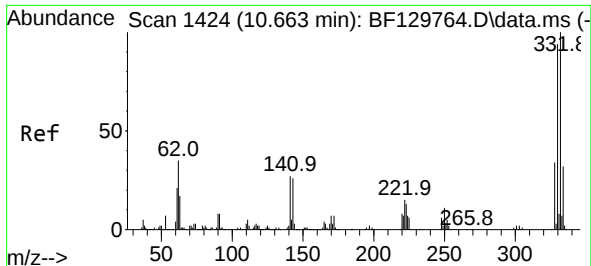
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

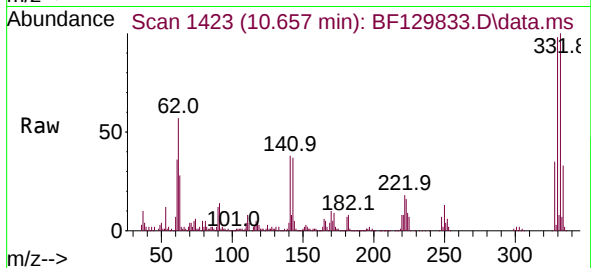
Tgt Ion:164 Resp: 178312
Ion Ratio Lower Upper
164 100
162 101.6 82.0 123.0
160 46.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 127.680 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

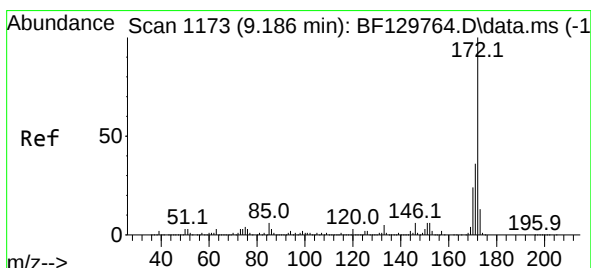
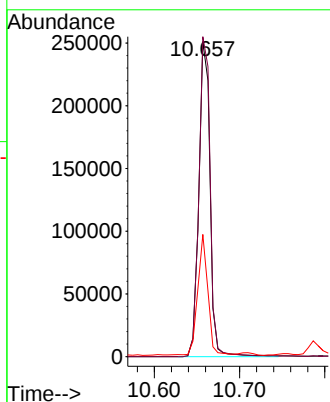
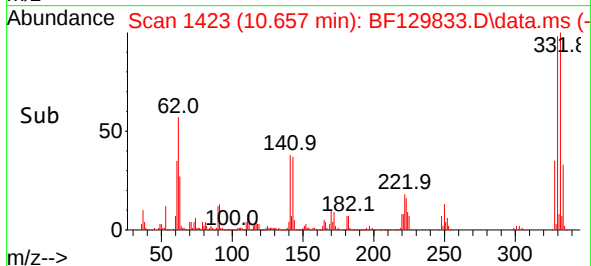
Instrument :
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ClientSampleId :
RO-211



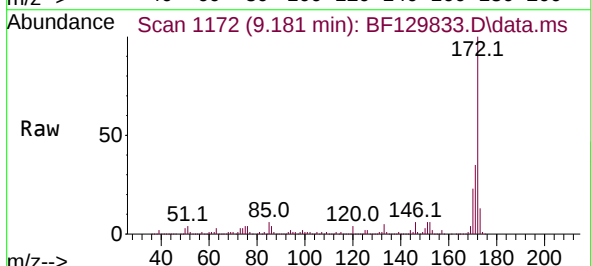
Tgt Ion: 330 Resp: 228499
Ion Ratio Lower Upper
330 100
332 103.0 82.6 124.0
141 34.4 27.6 41.4

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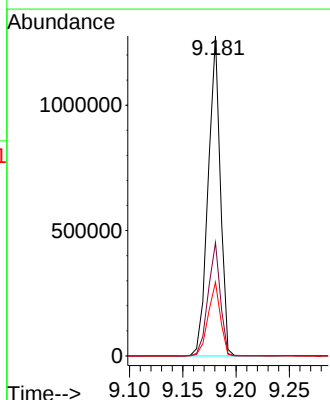
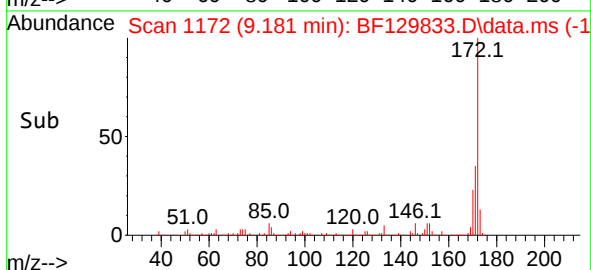
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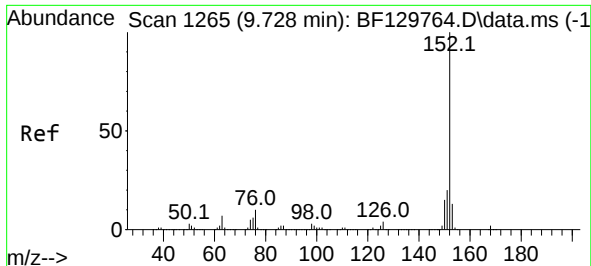


#45
2-Fluorobiphenyl
Concen: 86.594 ng
RT: 9.181 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10



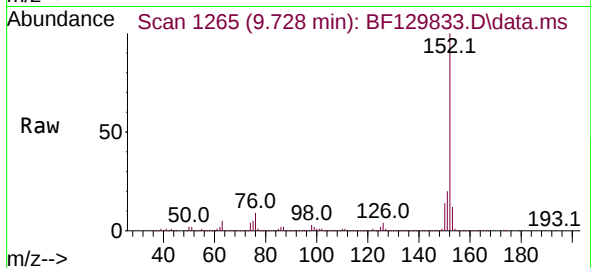
Tgt Ion: 172 Resp: 1016635
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.0 19.1 28.7





#49
Acenaphthylene
Concen: 25.724 ng
RT: 9.728 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

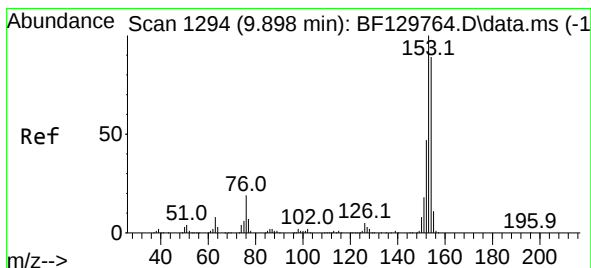
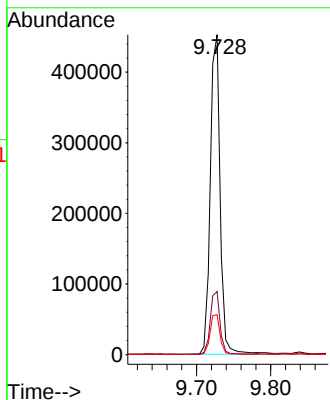
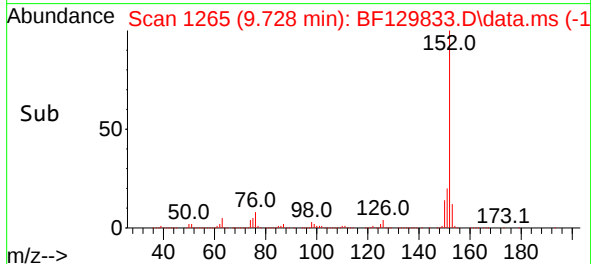
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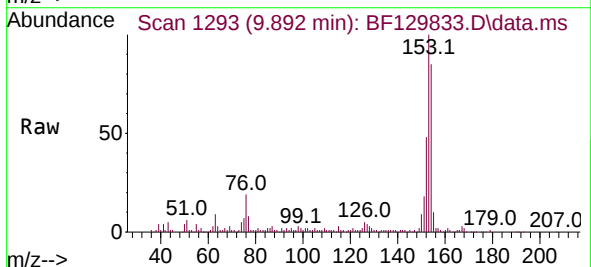
Tgt Ion:152 Resp: 418098
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 12.5 10.6 16.0

Manual Integrations
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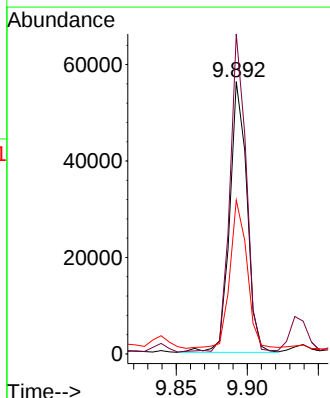
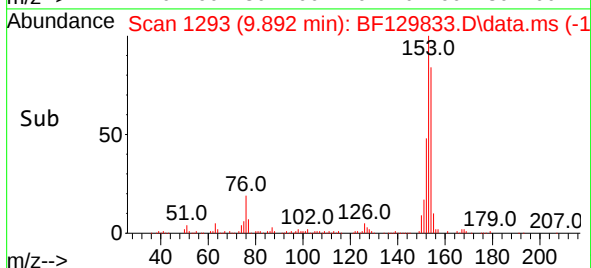
Reviewed By :Christian Giraldo 08/17/2022
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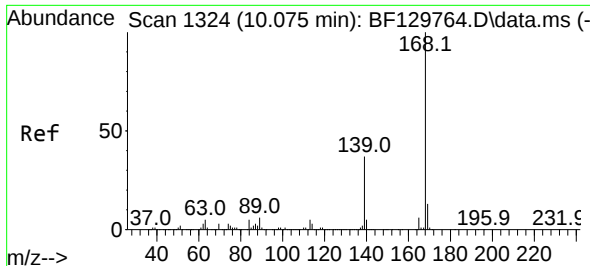


#52
Acenaphthene
Concen: 4.792 ng
RT: 9.892 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10



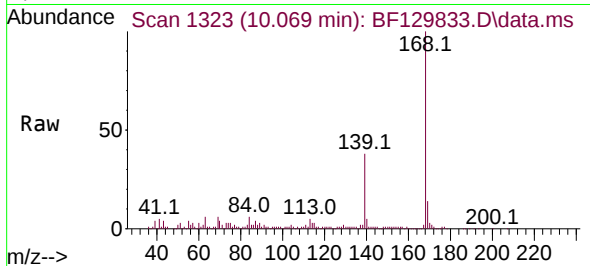
Tgt Ion:154 Resp: 47255
Ion Ratio Lower Upper
154 100
153 117.5 89.8 134.6
152 56.5 42.1 63.1





#55
Dibenzofuran
Concen: 5.902 ng
RT: 10.069 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

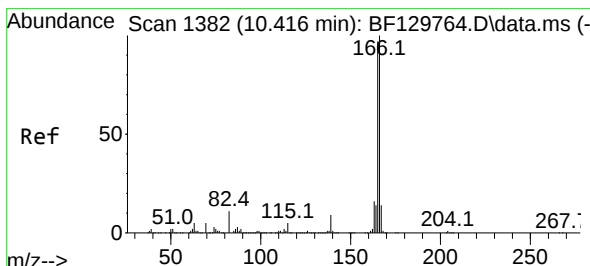
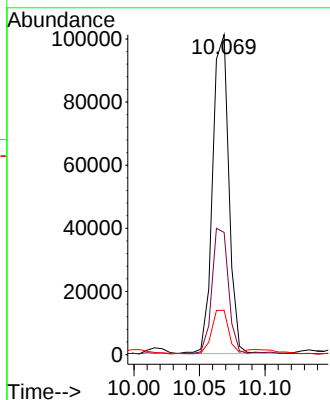
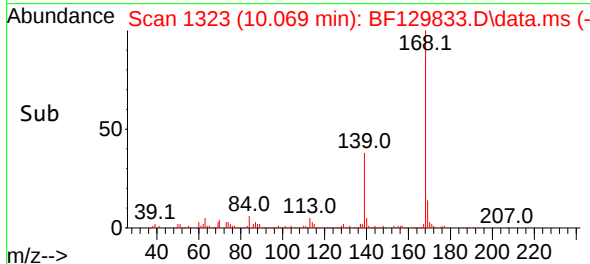
Instrument :
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RO-211



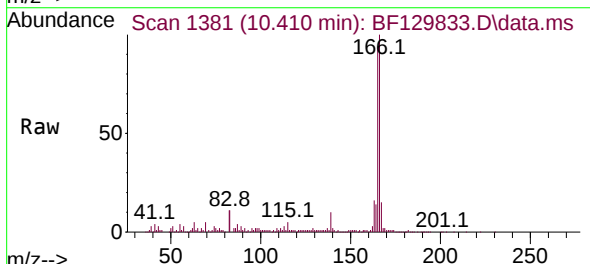
Tgt Ion:168 Resp: 87438
Ion Ratio Lower Upper
168 100
139 38.2 31.3 46.9
169 13.9 10.7 16.1

Manual Integrations
APPROVED

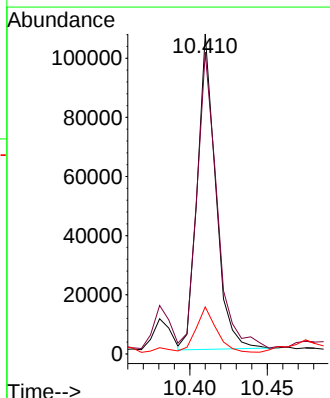
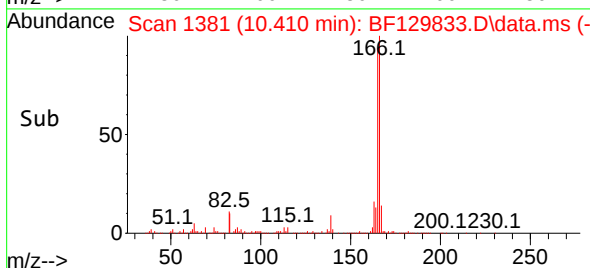
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

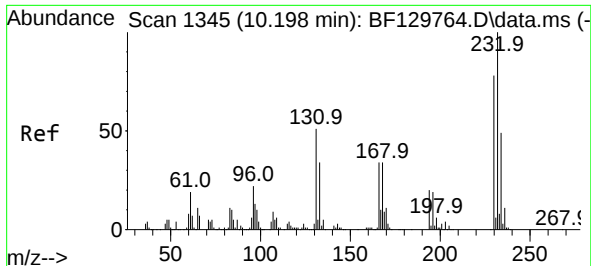


#58
Fluorene
Concen: 7.130 ng
RT: 10.410 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10



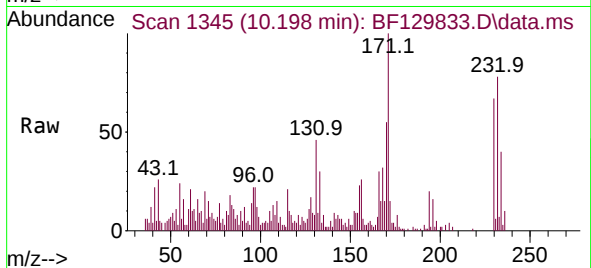
Tgt Ion:166 Resp: 88195
Ion Ratio Lower Upper
166 100
165 94.3 77.9 116.9
167 14.7 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.490 ng
RT: 10.198 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

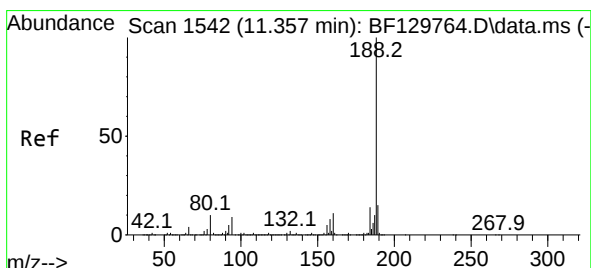
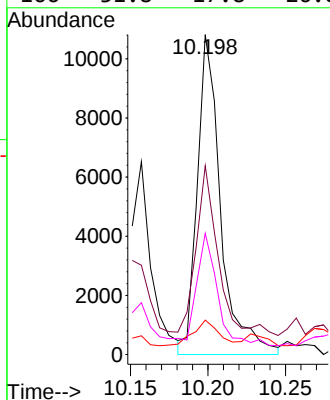
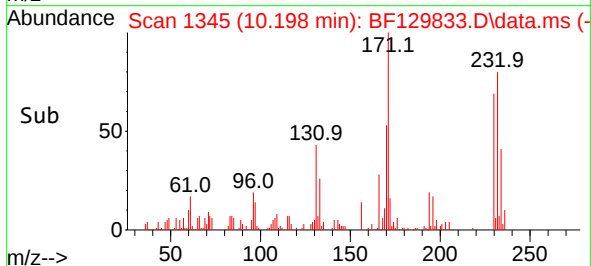
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:232 Resp: 11424
Ion Ratio Lower Upper
232 100
131 57.4 29.9 44.9
130 8.5 1.5 2.3
166 31.8 17.8 26.8

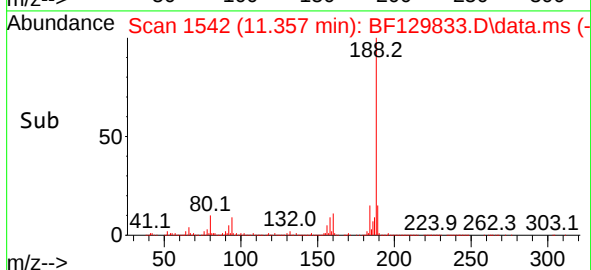
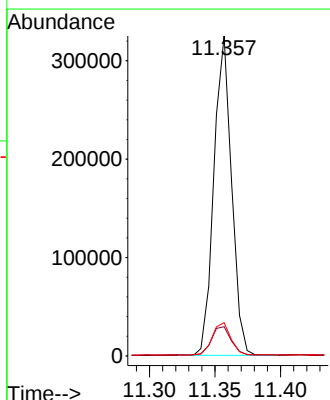
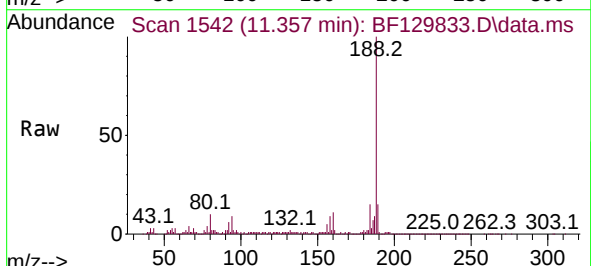
Manual Integrations
APPROVED

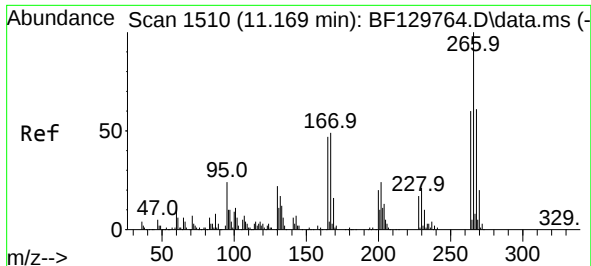
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

Tgt Ion:188 Resp: 305649
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 10.4 7.9 11.9





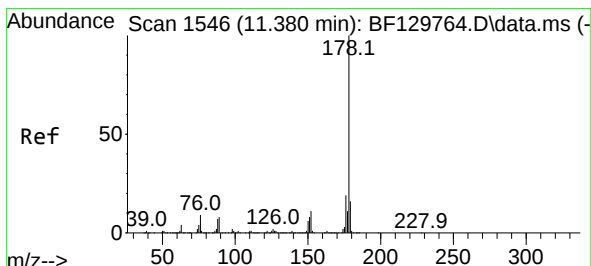
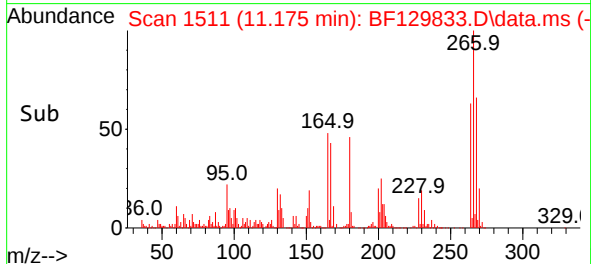
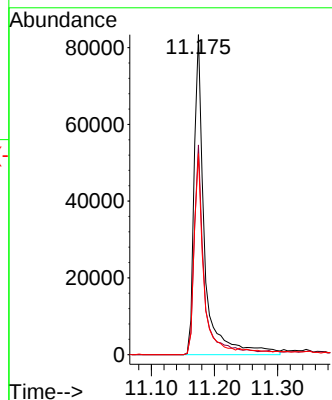
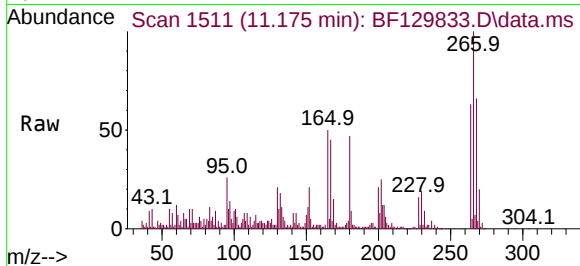
#70
Pentachlorophenol
Concen: 82.477 ng
RT: 11.175 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

Instrument :
BNA_F
ClientSampleId :
RO-211

Tgt Ion:266 Resp: 96072
Ion Ratio Lower Upper
266 100
268 65.5 49.0 73.4
264 62.8 47.9 71.9

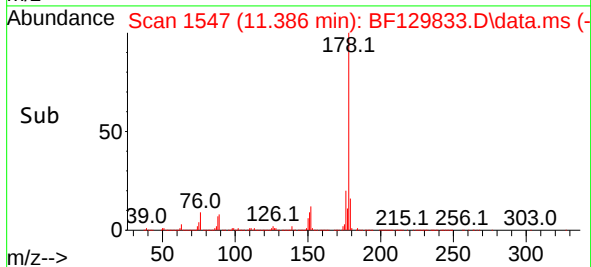
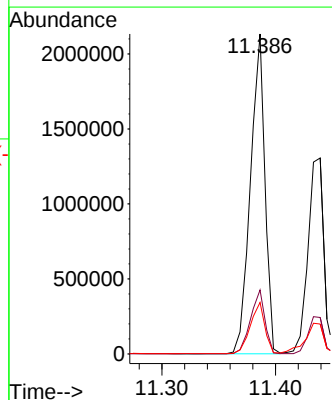
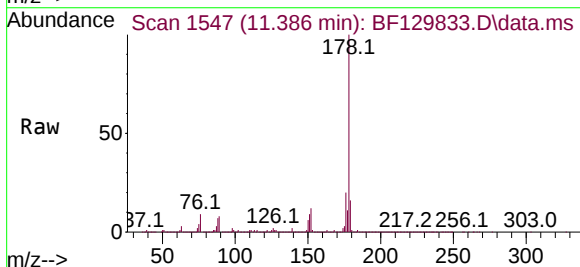
Manual Integrations
APPROVED

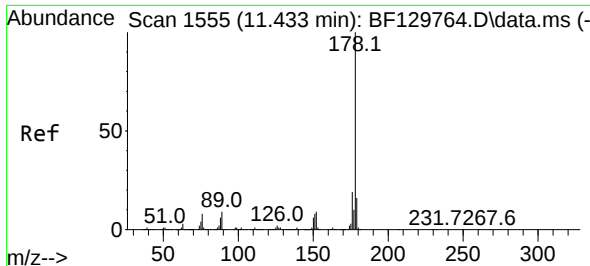
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#71
Phenanthrene
Concen: 110.439 ng
RT: 11.386 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

Tgt Ion:178 Resp: 1885248
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 16.1 12.5 18.7





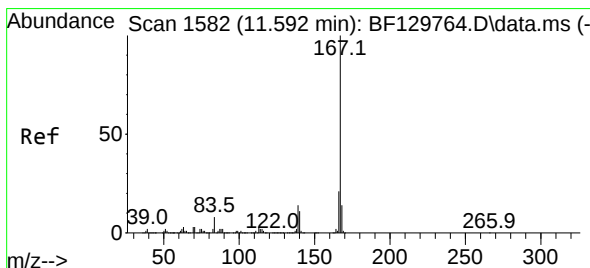
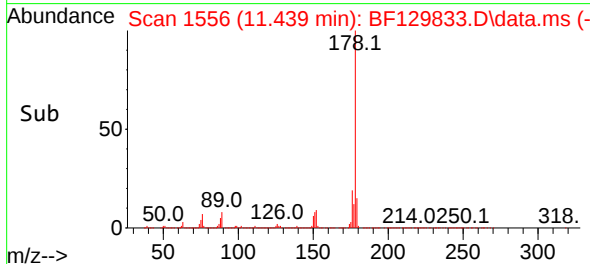
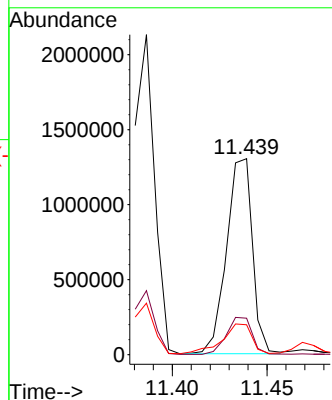
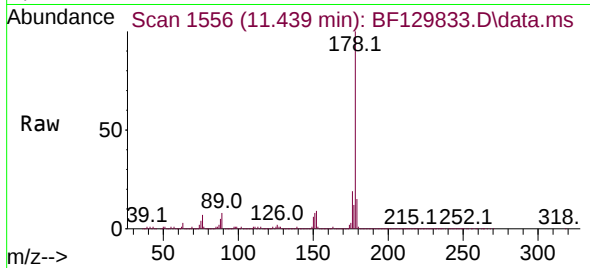
#72
 Anthracene
 Concen: 73.128 ng
 RT: 11.439 min Scan# 1555
 Delta R.T. 0.006 min
 Lab File: BF129833.D
 Acq: 17 Aug 2022 03:10

Instrument :
 BNA_F
 ClientSampleId :
 RO-211

Tgt Ion:178 Resp: 1241395
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.1 22.7
 179 15.3 12.6 18.8

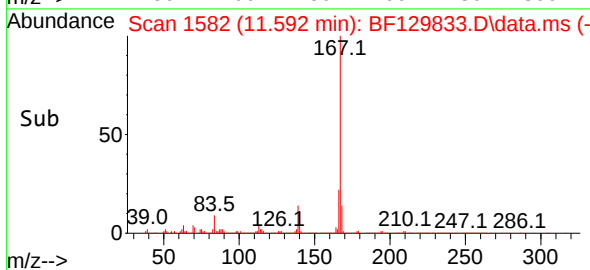
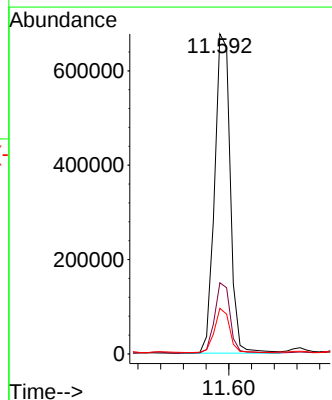
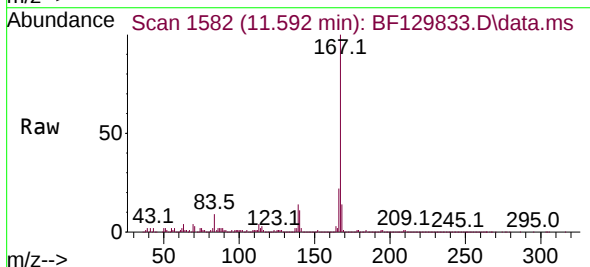
Manual Integrations
 APPROVED

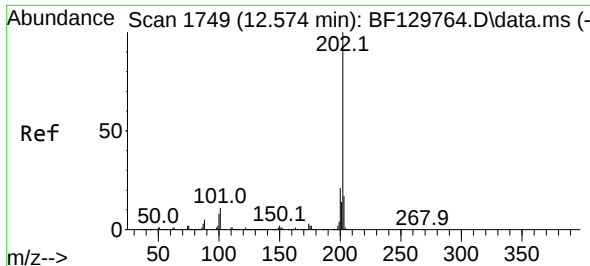
Reviewed By :Christian Giraldo 08/17/2022
 Supervised By :Jagrut Upadhyay 08/17/2022



#73
 Carbazole
 Concen: 41.975 ng
 RT: 11.592 min Scan# 1582
 Delta R.T. 0.000 min
 Lab File: BF129833.D
 Acq: 17 Aug 2022 03:10

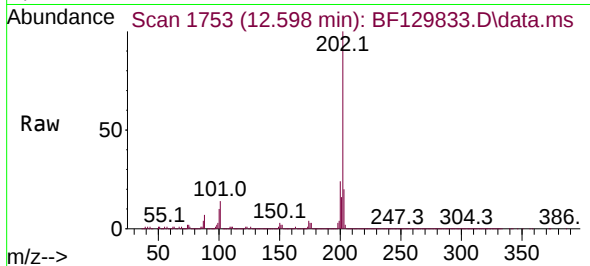
Tgt Ion:167 Resp: 646833
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.1 25.7
 139 14.2 11.0 16.6





#75
Fluoranthene
Concen: 274.388 ng
RT: 12.598 min Scan# 1753
Delta R.T. 0.024 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

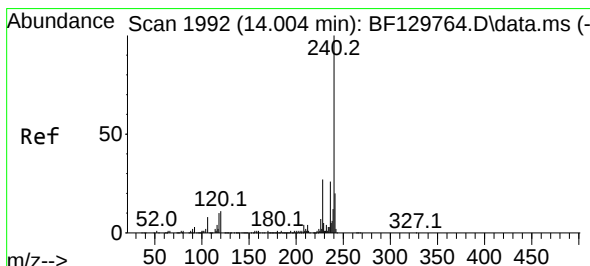
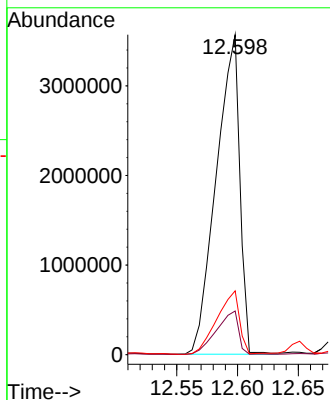
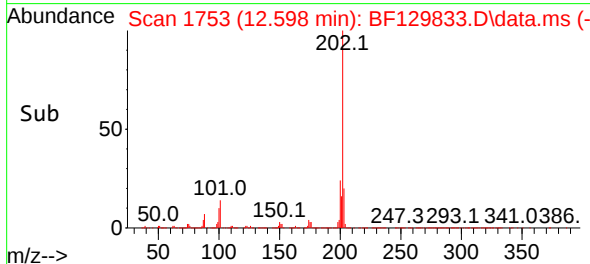
Instrument :
BNA_F
ClientSampleId :
RO-211



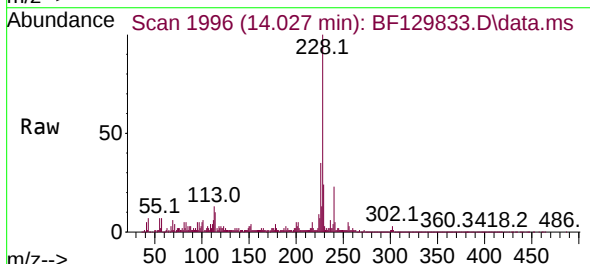
Tgt Ion:202 Resp: 4793005
Ion Ratio Lower Upper
202 100
101 13.6 0.0 30.7
203 19.9 0.0 37.5

Manual Integrations
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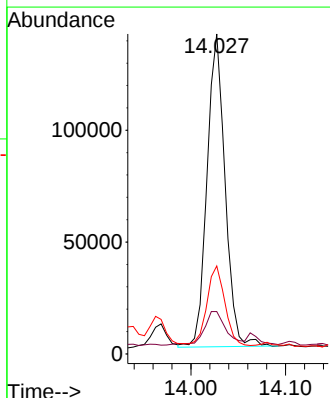
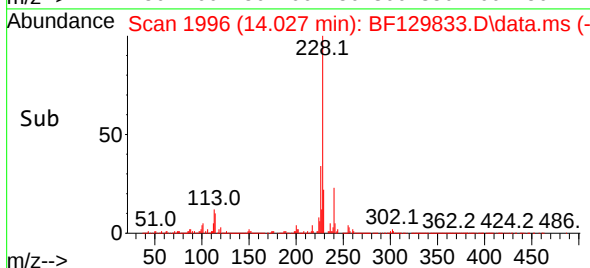
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

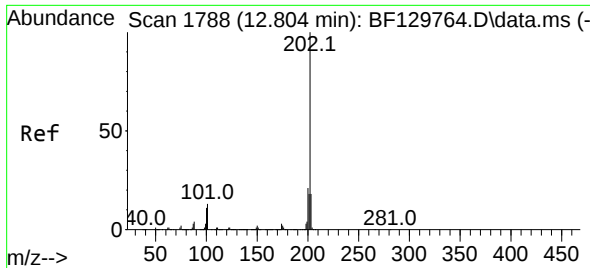


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. 0.024 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10



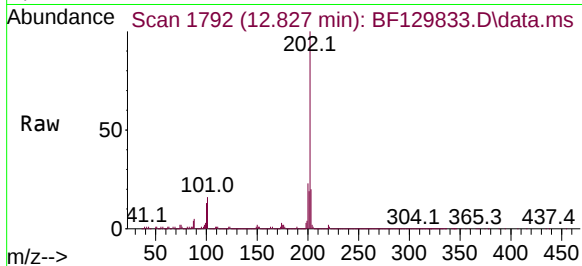
Tgt Ion:240 Resp: 185682
Ion Ratio Lower Upper
240 100
120 13.2 9.2 13.8
236 27.5 20.7 31.1





#78
Pyrene
Concen: 272.309 ng
RT: 12.827 min Scan# 1792
Delta R.T. 0.024 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

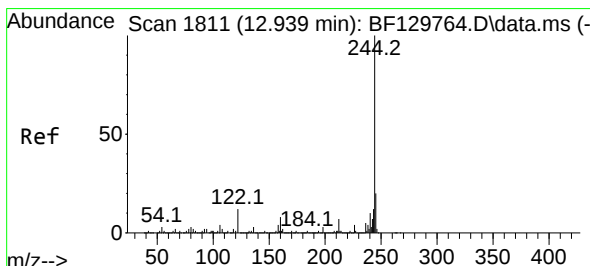
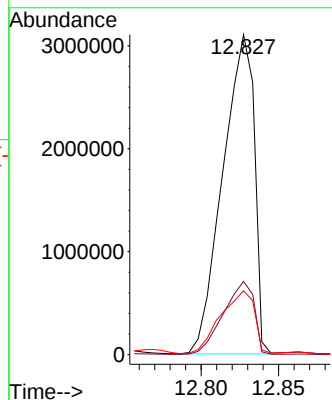
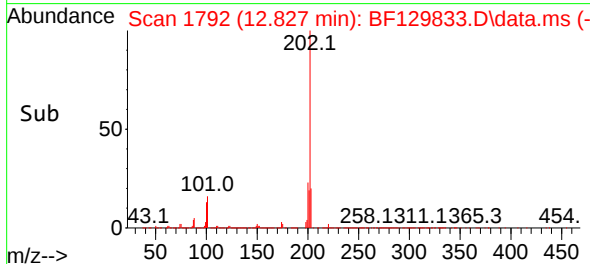
Instrument :
BNA_F
ClientSampleId :
RO-211



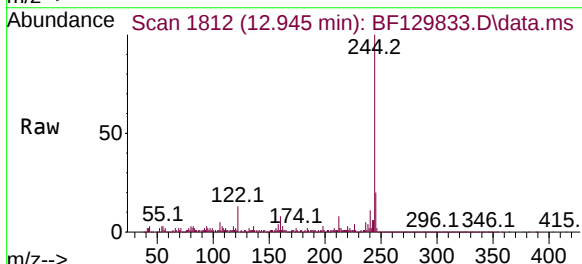
Tgt Ion:202 Resp: 4393896
Ion Ratio Lower Upper
202 100
200 22.9 17.0 25.6
203 19.9 14.1 21.1

Manual Integrations
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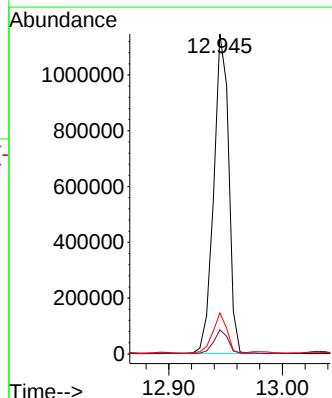
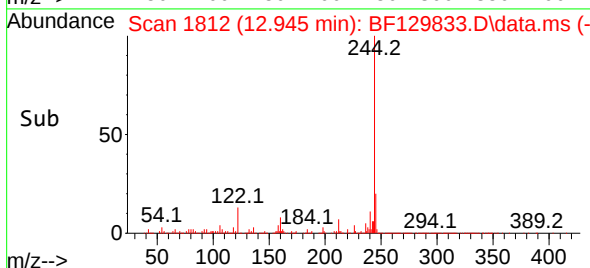
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

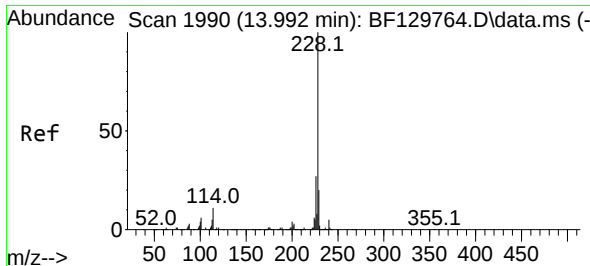


#79
Terphenyl-d14
Concen: 94.095 ng
RT: 12.945 min Scan# 1812
Delta R.T. 0.006 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10



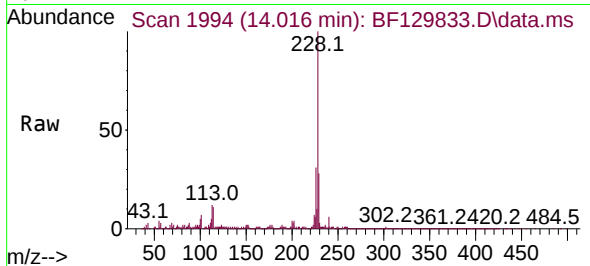
Tgt Ion:244 Resp: 1050021
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 12.8 9.9 14.9





#81
Benzo(a)anthracene
Concen: 143.280 ng
RT: 14.016 min Scan# 1990
Delta R.T. 0.024 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

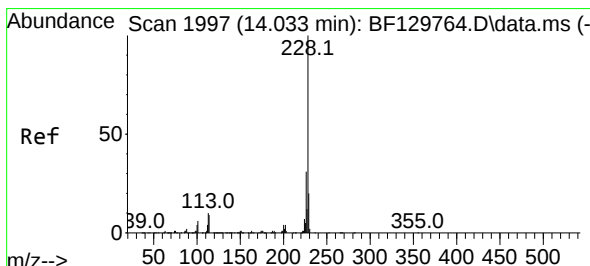
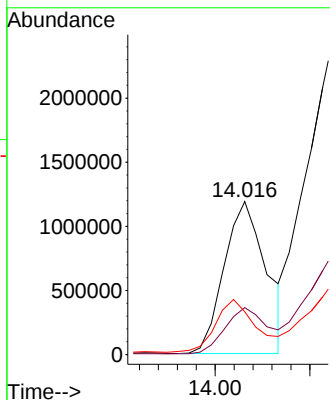
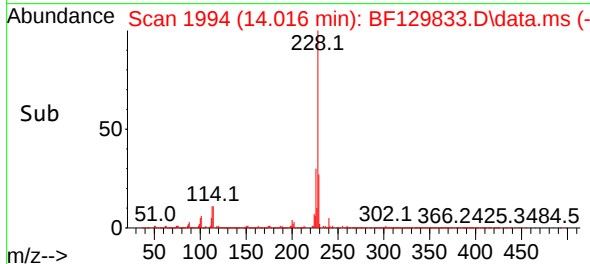
Instrument :
BNA_F
ClientSampleId :
RO-211



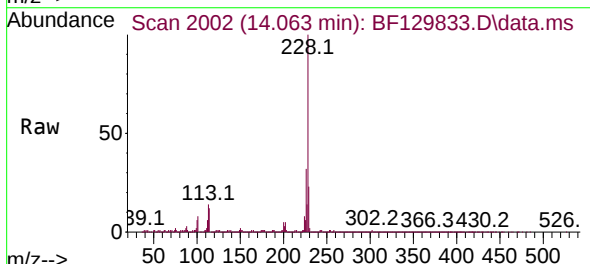
Tgt Ion:228 Resp: 1830149
Ion Ratio Lower Upper
228 100
226 30.7 21.4 32.0
229 28.0 16.1 24.1

Manual Integrations
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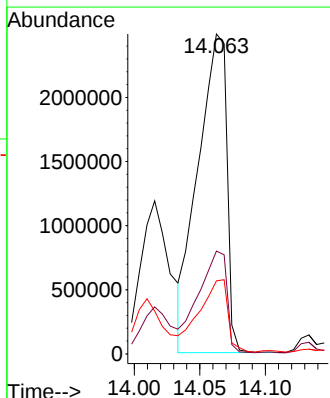
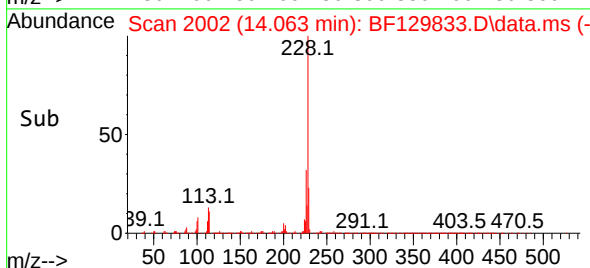
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

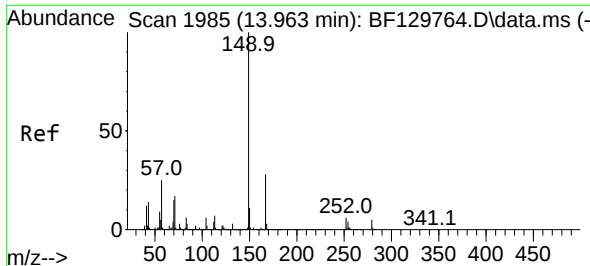


#83
Chrysene
Concen: 319.104 ng
RT: 14.063 min Scan# 2002
Delta R.T. 0.029 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10



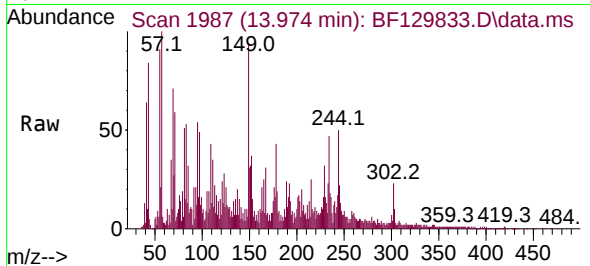
Tgt Ion:228 Resp: 3815424
Ion Ratio Lower Upper
228 100
226 32.1 24.4 36.6
229 22.8 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.602 ng
RT: 13.974 min Scan# 1985
Delta R.T. 0.012 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

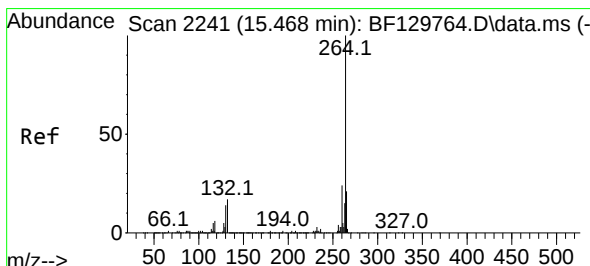
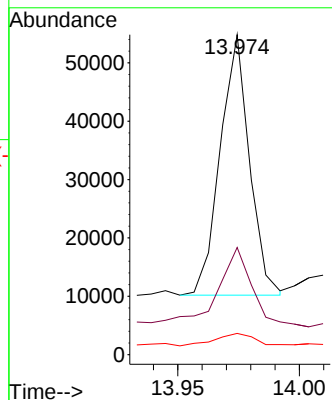
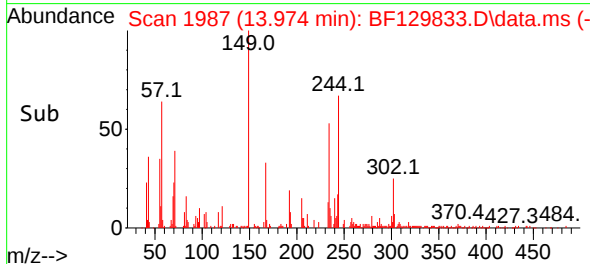
Instrument :
BNA_F
ClientSampleId :
RO-211



Tgt Ion:149 Resp: 37280
Ion Ratio Lower Upper
149 100
167 33.5 22.0 33.0
279 6.6 3.6 5.4

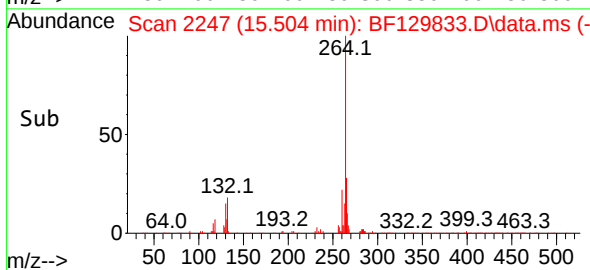
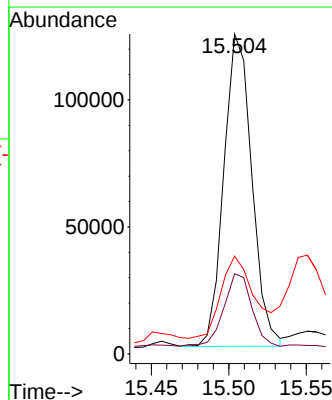
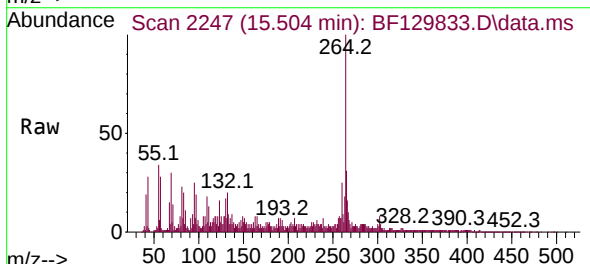
Manual Integrations
APPROVED

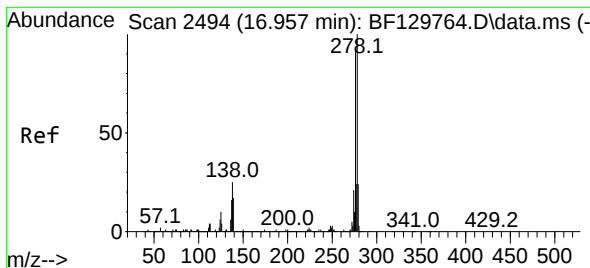
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. 0.035 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

Tgt Ion:264 Resp: 154793
Ion Ratio Lower Upper
264 100
260 25.0 19.1 28.7
265 30.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 65.554 ng

RT: 17.009 min Scan# 2176

Delta R.T. 0.053 min

Lab File: BF129833.D

Acq: 17 Aug 2022 03:10

Instrument :

BNA_F

ClientSampleId :

RO-211

Tgt Ion:276 Resp: 696626

Ion Ratio Lower Upper

276 100

138 19.5 19.8 29.8

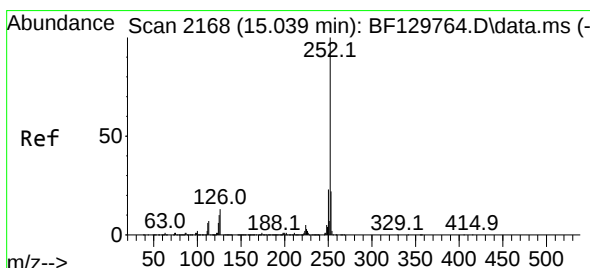
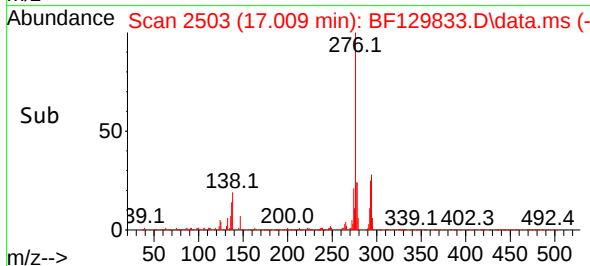
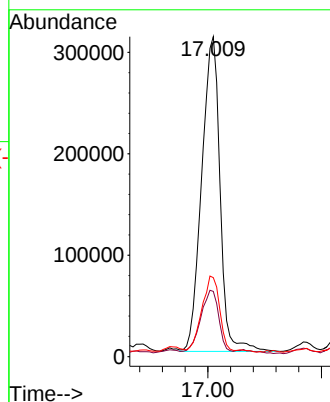
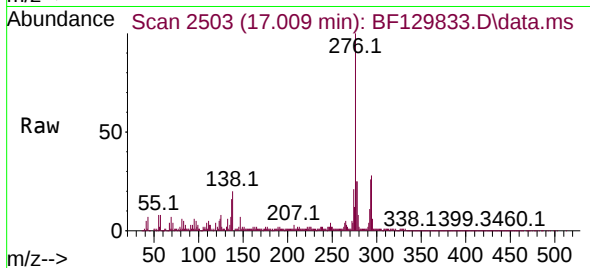
277 22.4 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/17/2022

Supervised By :Jagrut Upadhyay 08/17/2022



#88

Benzo(b)fluoranthene

Concen: 306.607 ng m

RT: 15.086 min Scan# 2176

Delta R.T. 0.047 min

Lab File: BF129833.D

Acq: 17 Aug 2022 03:10

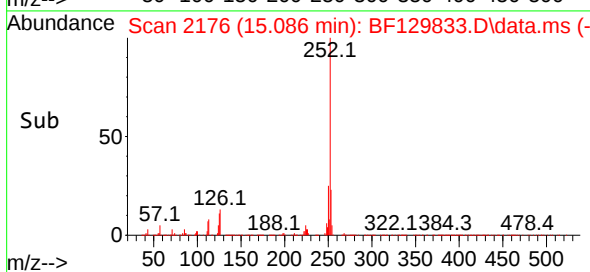
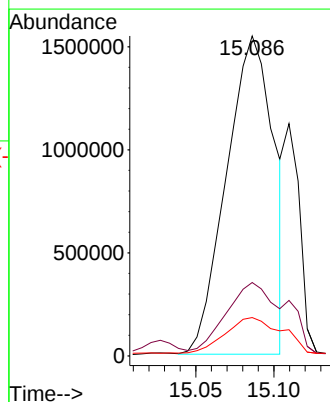
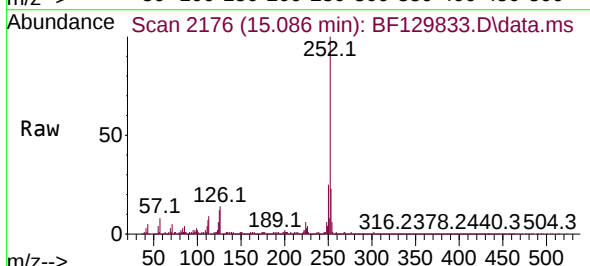
Tgt Ion:252 Resp: 3249885

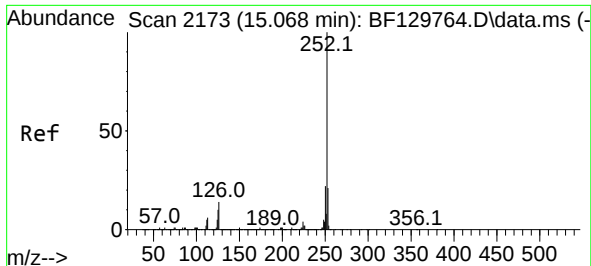
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 12.0 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 73.429 ng m

RT: 15.110 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF129833.D

Acq: 17 Aug 2022 03:10

Instrument :

BNF

ClientSampleId :

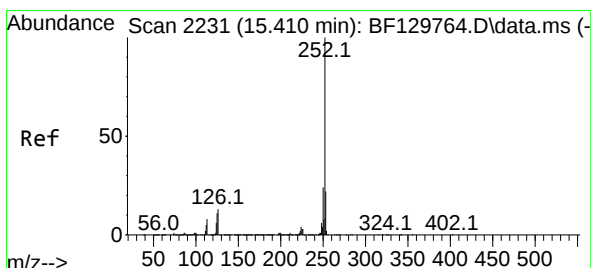
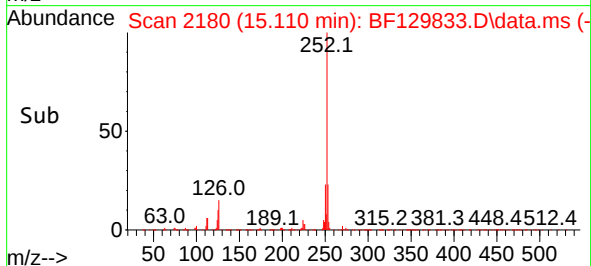
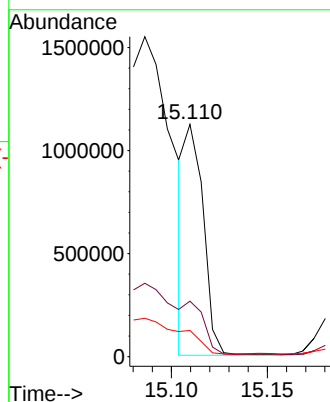
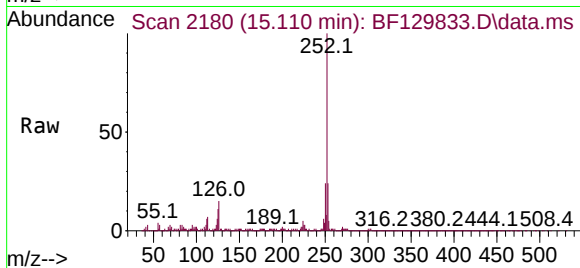
RO-211

Tgt Ion:252 Resp: 746404
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.1 25.7
 125 11.2 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/17/2022
 Supervised By :Jagrut Upadhyay 08/17/2022



#90

Benzo(a)pyrene

Concen: 107.497 ng

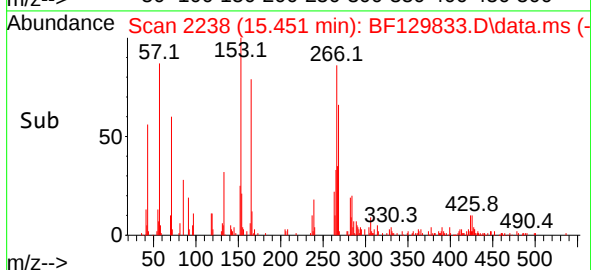
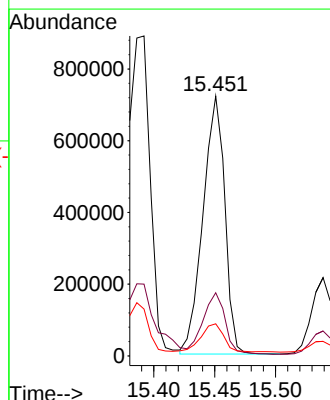
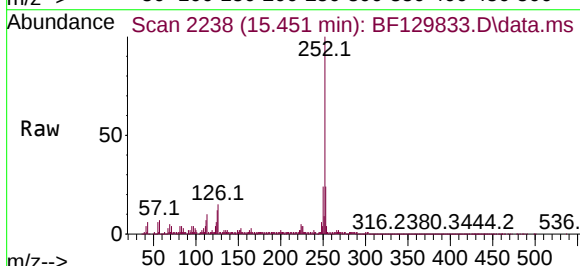
RT: 15.451 min Scan# 2238

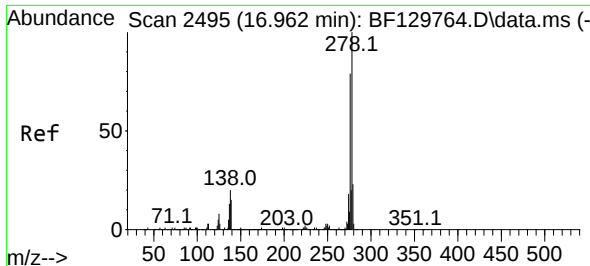
Delta R.T. 0.041 min

Lab File: BF129833.D

Acq: 17 Aug 2022 03:10

Tgt Ion:252 Resp: 897284
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.2 25.8
 125 12.3 8.8 13.2





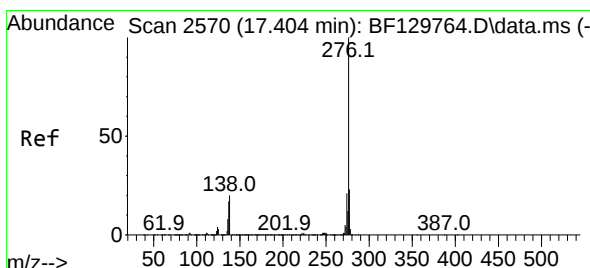
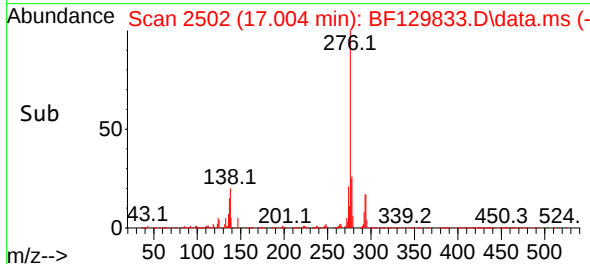
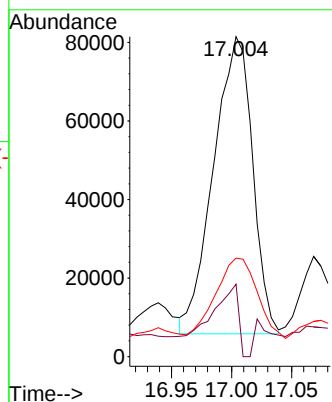
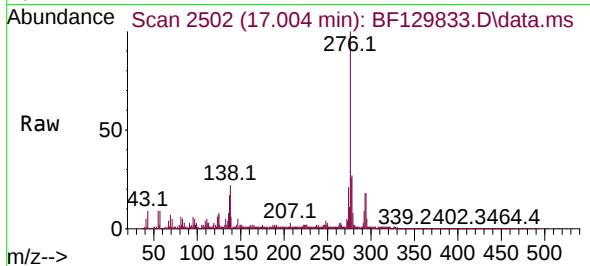
#91
Dibenzo(a,h)anthracene
Concen: 19.502 ng m
RT: 17.004 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

Instrument :
BNA_F
ClientSampleId :
RO-211

Tgt Ion:278 Resp: 171000
Ion Ratio Lower Upper
278 100
139 22.6 12.2 18.4
279 30.8 18.7 28.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#92
Benzo(g,h,i)perylene
Concen: 65.076 ng
RT: 17.462 min Scan# 2580
Delta R.T. 0.059 min
Lab File: BF129833.D
Acq: 17 Aug 2022 03:10

Tgt Ion:276 Resp: 569268
Ion Ratio Lower Upper
276 100
277 24.3 18.2 27.4
138 22.0 15.8 23.8

