

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
 Data File : BF129111.D
 Acq On : 02 Jul 2022 01:00
 Operator : CG\JU
 Sample : N3562-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12B

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

Quant Time: Jul 02 02:49:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	321093	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	1137429	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	512255	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	832487	20.000	ng	0.00
76) Chrysene-d12	14.145	240	651063	20.000	ng	0.00
86) Perylene-d12	15.668	264	492040	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	2041979	107.515	ng	0.00
7) Phenol-d6	6.581	99	2487163	105.442	ng	0.00
23) Nitrobenzene-d5	7.522	82	1528323	80.145	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	554561	99.562	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	2695761	84.189	ng	0.00
79) Terphenyl-d14	13.080	244	2566092	81.848	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.516	178	651574	16.381	ng	99
72) Anthracene	11.568	178	206036	5.254	ng	98
75) Fluoranthene	12.710	202	1280293	30.778	ng	97
78) Pyrene	12.939	202	1169119	25.906	ng	98
81) Benzo(a)anthracene	14.133	228	612882	15.417	ng	95
83) Chrysene	14.168	228	503493	13.643	ng	97
87) Indeno(1,2,3-cd)pyrene	17.227	276	252628	8.371	ng	96
88) Benzo(b)fluoranthene	15.215	252	597681m	20.198	ng	
89) Benzo(k)fluoranthene	15.239	252	204717m	7.133	ng	
90) Benzo(a)pyrene	15.604	252	415517	17.225	ng	# 94
91) Dibenzo(a,h)anthracene	17.239	278	64156	2.608	ng	# 67
92) Benzo(g,h,i)perylene	17.703	276	240339	9.738	ng	96

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

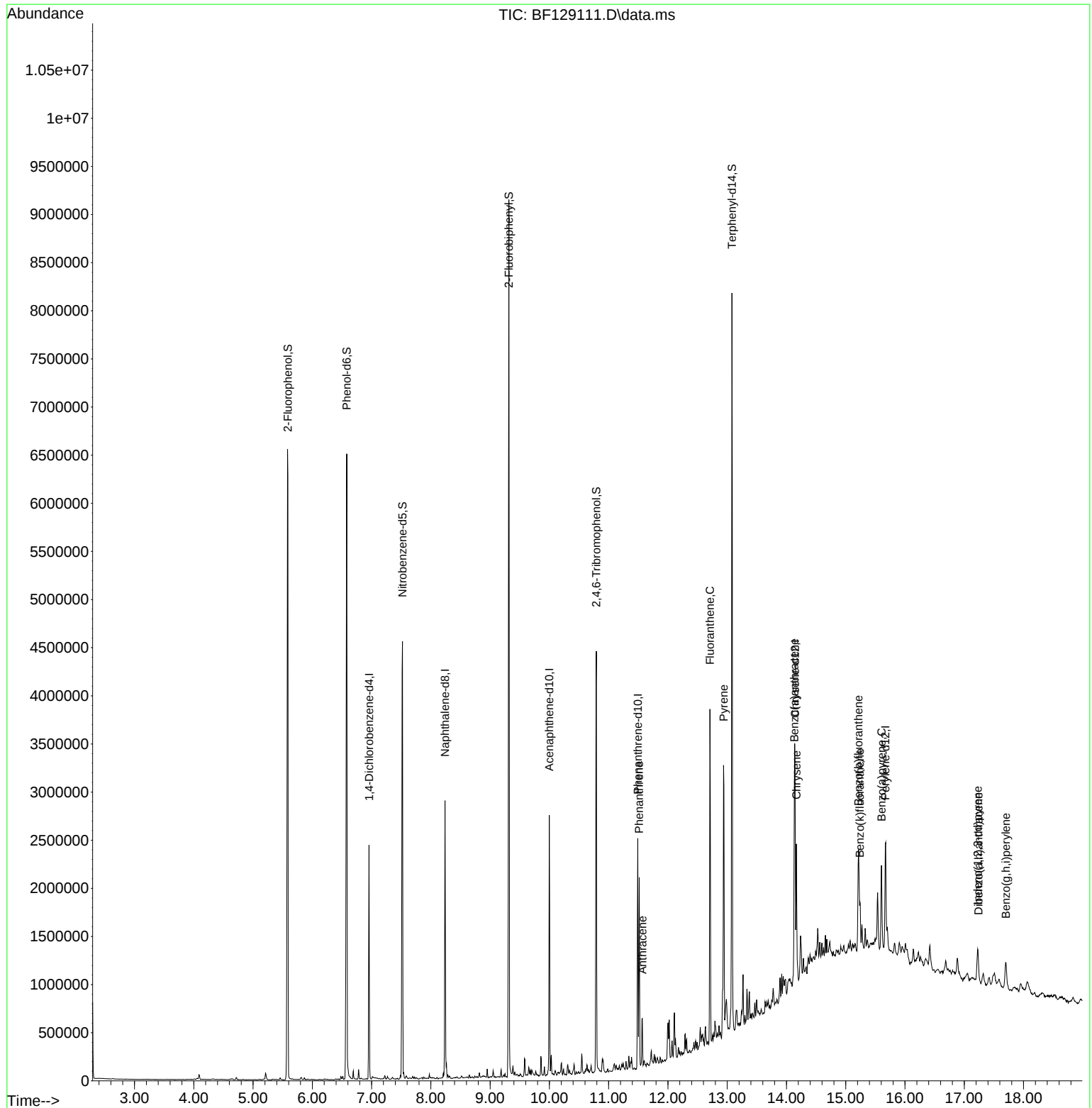
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
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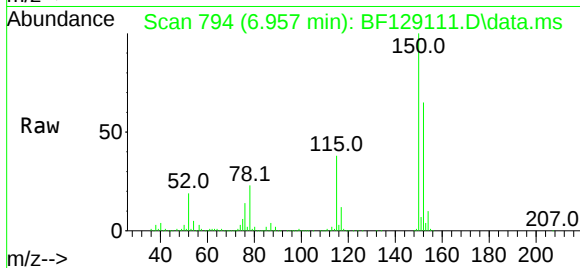
Reviewed By : Christian Giraldo 07/05/2022
Supervised By : Jagrut Upadhyay 07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00

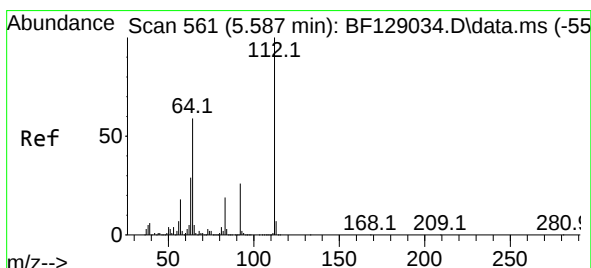
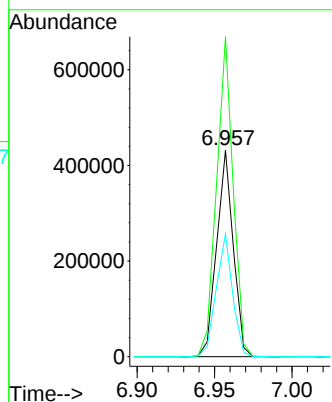
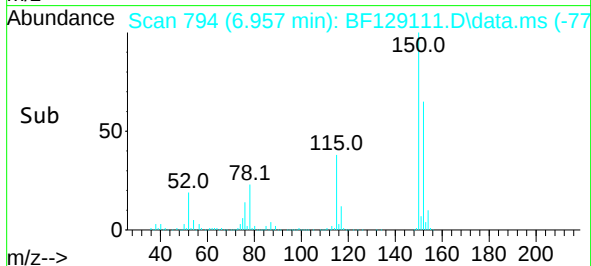
Instrument :
BNA_F
ClientSampleId :
SB-12B



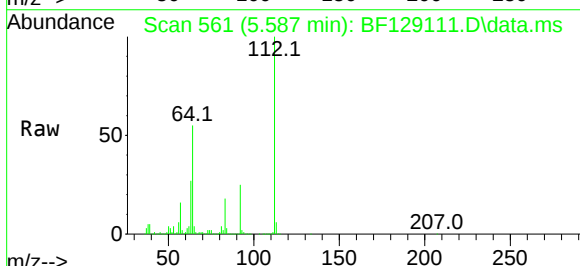
Tgt Ion:152 Resp: 321091
Ion Ratio Lower Upper
152 100
150 154.9 123.7 185.5
115 59.5 49.9 74.9

Manual Integrations
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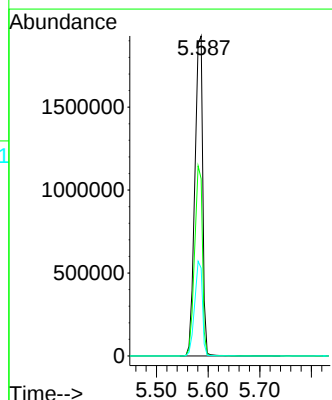
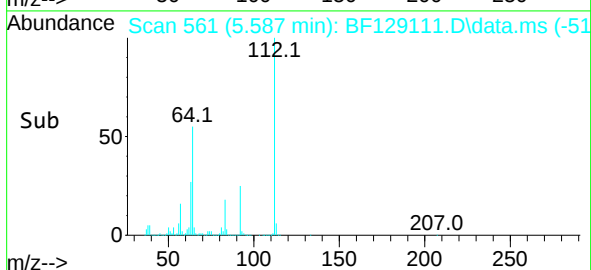
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#5
2-Fluorophenol
Concen: 107.515 ng
RT: 5.587 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00



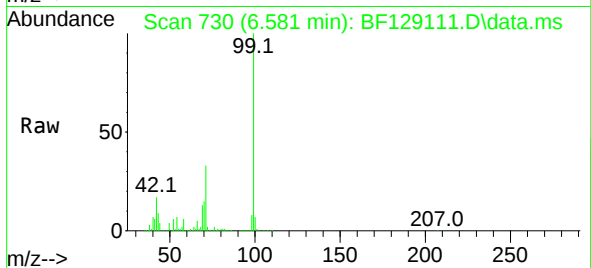
Tgt Ion:112 Resp: 2041979
Ion Ratio Lower Upper
112 100
64 55.3 53.3 79.9
63 27.4 28.0 42.0#





#7
Phenol-d6
Concen: 105.442 ng
RT: 6.581 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00

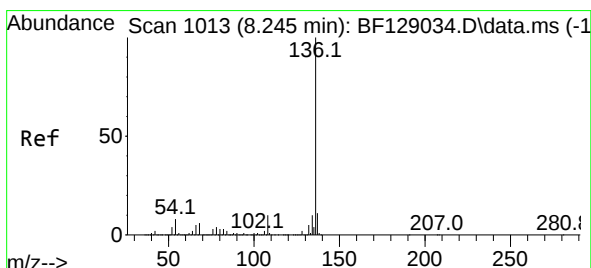
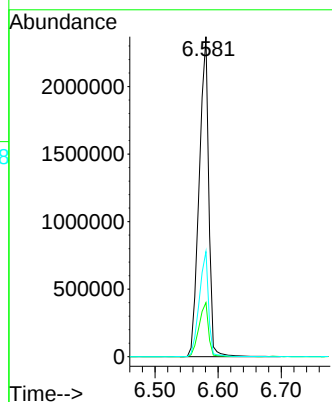
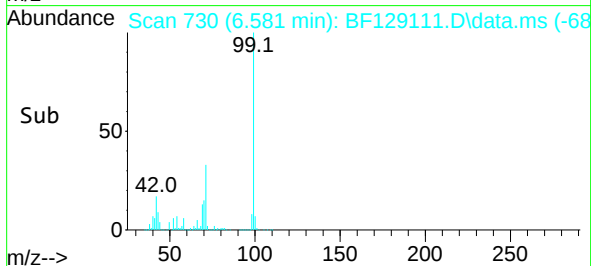
Instrument :
BNA_F
ClientSampleId :
SB-12B



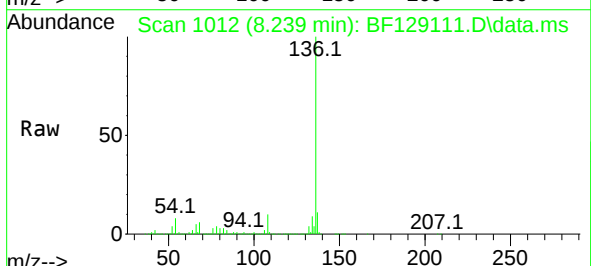
Tgt Ion: 99 Resp: 248716
Ion Ratio Lower Upper
99 100
42 16.9 17.3 25.9
71 32.8 28.9 43.3

Manual Integrations
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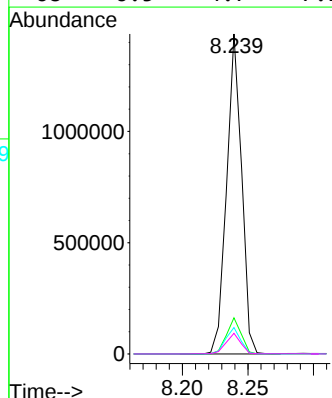
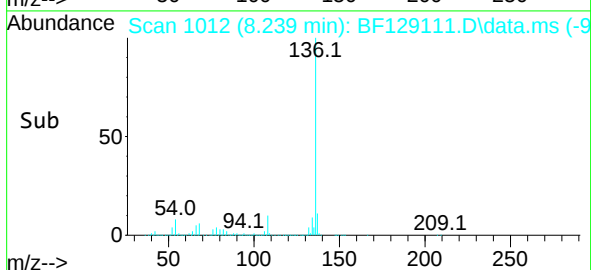
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00



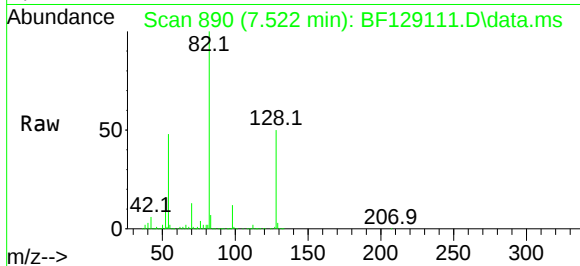
Tgt Ion:136 Resp: 1137429
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.3 7.5 11.3
68 6.5 4.7 7.1





#23
Nitrobenzene-d5
Concen: 80.145 ng
RT: 7.522 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00

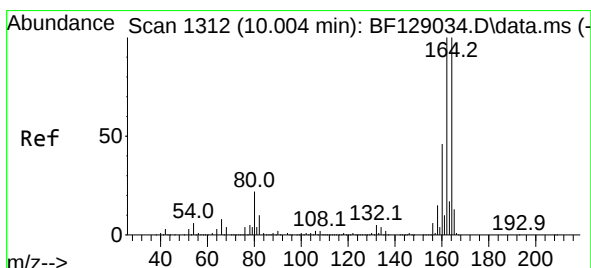
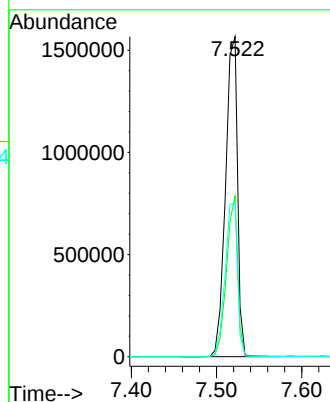
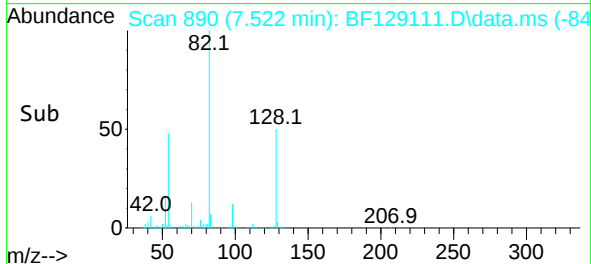
Instrument :
BNA_F
ClientSampleId :
SB-12B



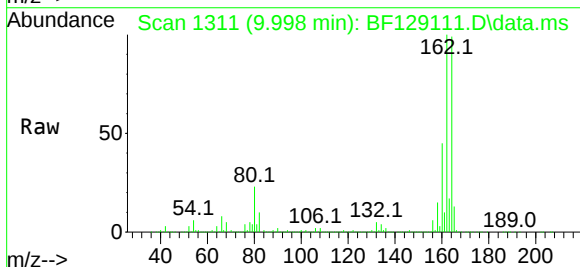
Tgt Ion: 82 Resp: 152832
Ion Ratio Lower Upper
82 100
128 50.2 34.0 51.0
54 48.0 46.9 70.3

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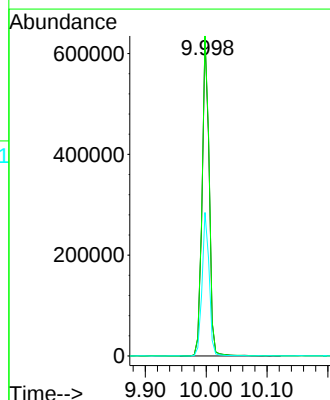
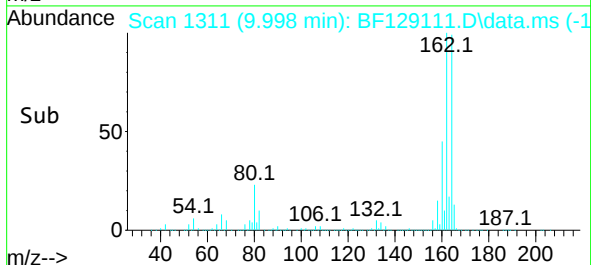
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

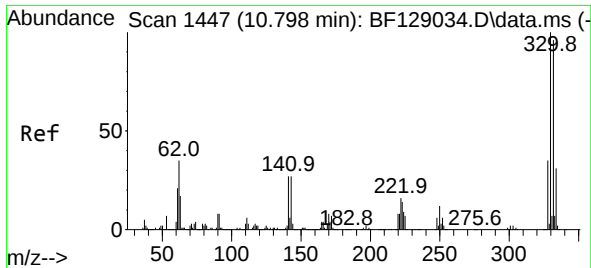


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00



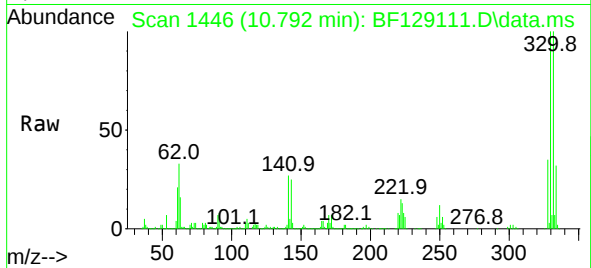
Tgt Ion:164 Resp: 512255
Ion Ratio Lower Upper
164 100
162 100.6 79.5 119.3
160 45.1 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 99.562 ng
RT: 10.792 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00

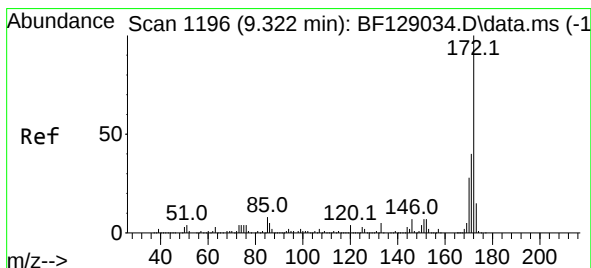
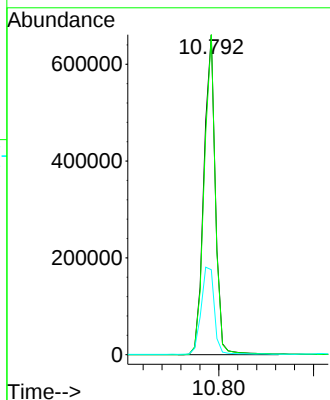
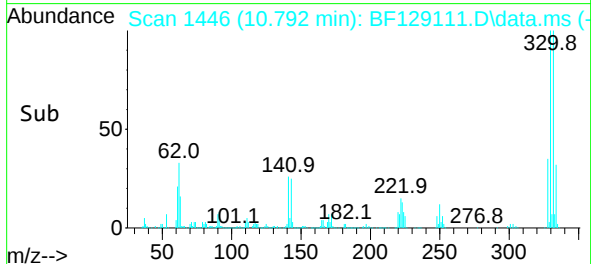
Instrument :
BNA_F
ClientSampleId :
SB-12B



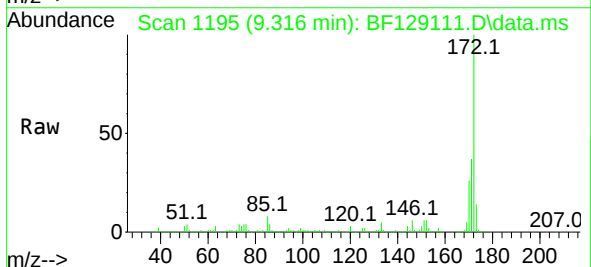
Tgt Ion:330 Resp: 55456
Ion Ratio Lower Upper
330 100
332 98.0 76.8 115.2
141 31.5 28.0 42.0

Manual Integrations
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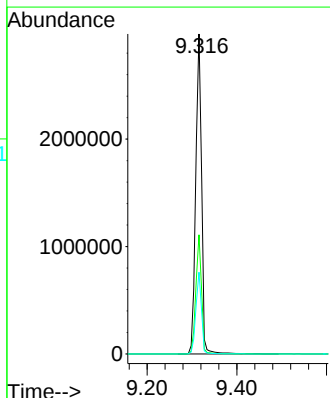
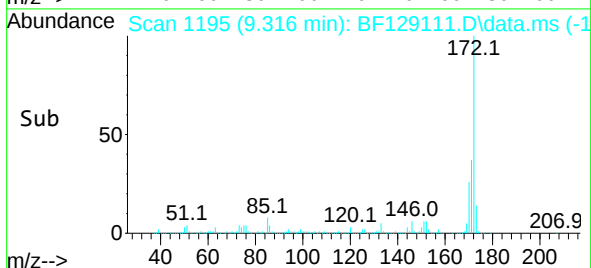
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

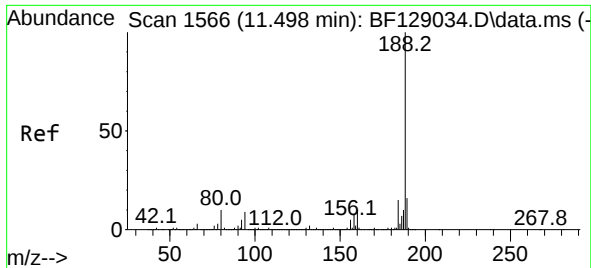


#45
2-Fluorobiphenyl
Concen: 84.189 ng
RT: 9.316 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00



Tgt Ion:172 Resp: 2695761
Ion Ratio Lower Upper
172 100
171 37.2 28.8 43.2
170 25.6 19.8 29.8





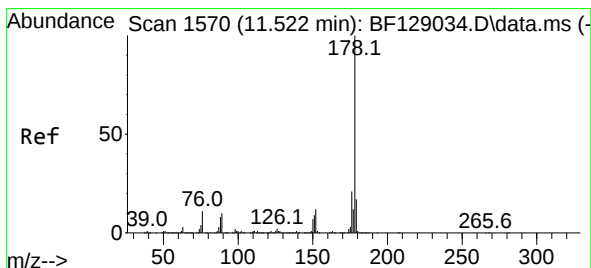
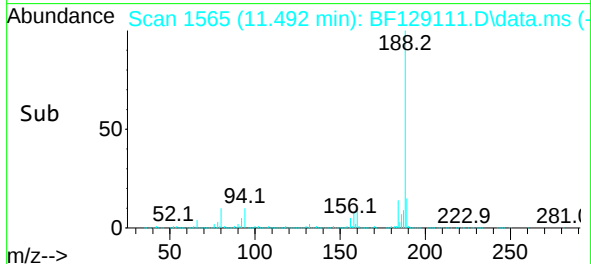
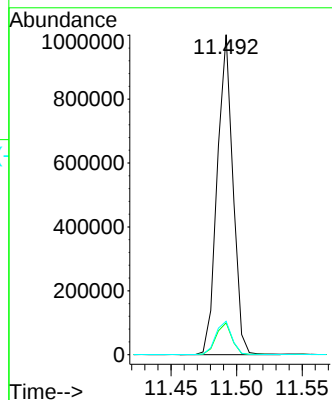
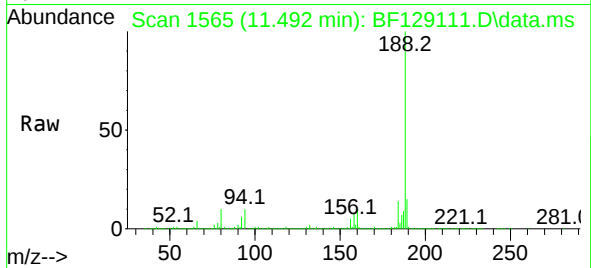
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00

Instrument :
BNA_F
ClientSampleId :
SB-12B

Tgt Ion:188 Resp: 83248
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.4 7.6 11.4

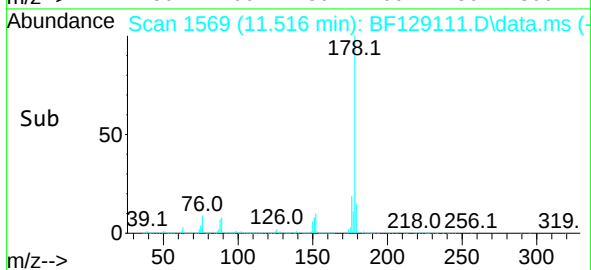
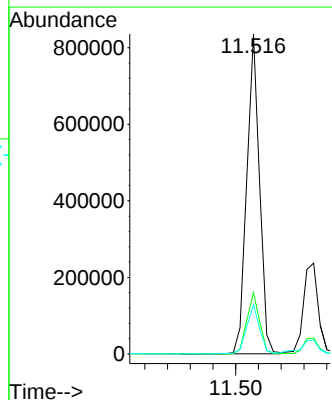
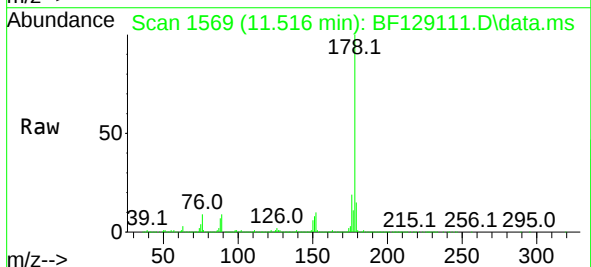
Manual Integrations
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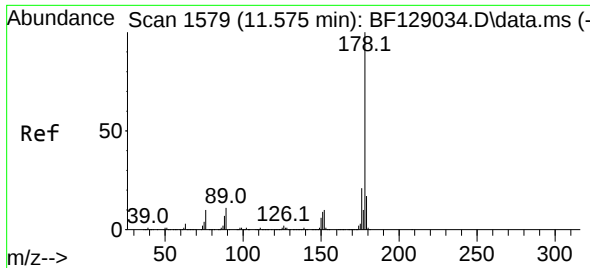
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#71
Phenanthrene
Concen: 16.381 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00

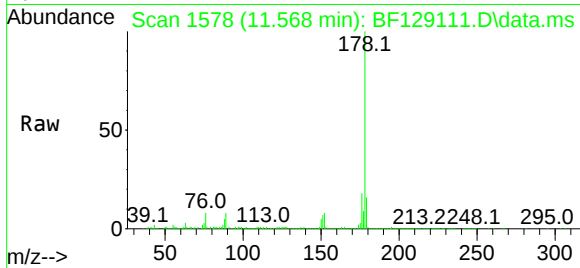
Tgt Ion:178 Resp: 651574
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.4 12.6 19.0





#72
 Anthracene
 Concen: 5.254 ng
 RT: 11.568 min Scan# 1157
 Delta R.T. -0.006 min
 Lab File: BF129111.D
 Acq: 02 Jul 2022 01:00

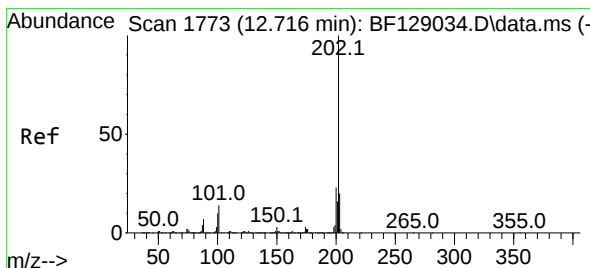
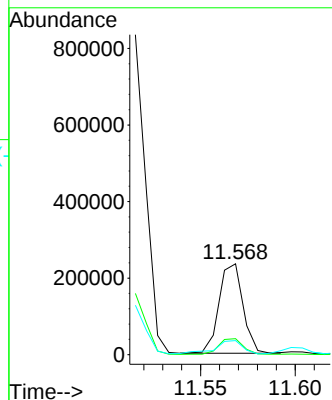
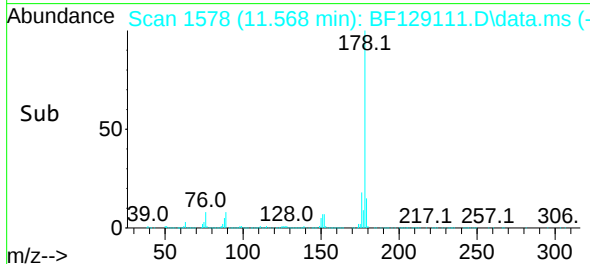
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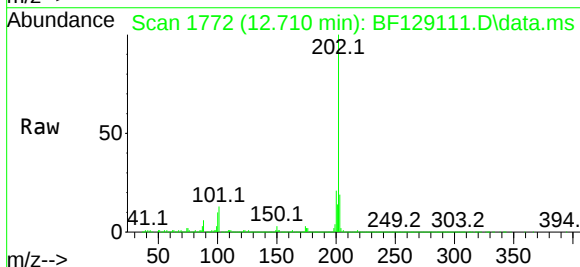
Tgt Ion:178 Resp: 206030
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.2
 179 15.5 12.6 19.0

Manual Integrations
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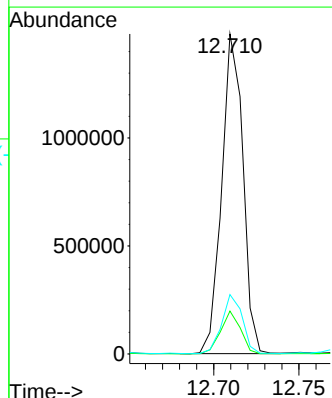
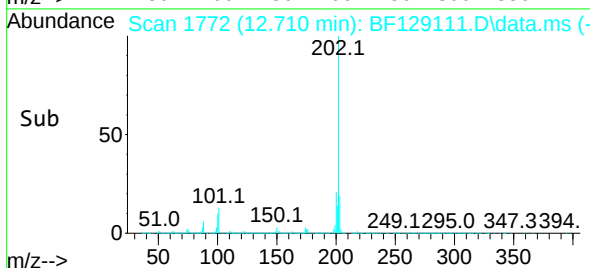
Reviewed By :Christian Giraldo 07/05/2022
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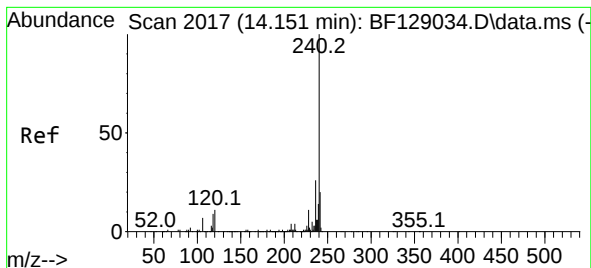


#75
 Fluoranthene
 Concen: 30.778 ng
 RT: 12.710 min Scan# 1772
 Delta R.T. -0.006 min
 Lab File: BF129111.D
 Acq: 02 Jul 2022 01:00



Tgt Ion:202 Resp: 1280293
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 31.4
 203 18.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129111.D

Acq: 02 Jul 2022 01:00

Instrument :

BNA_F

ClientSampleId :

SB-12B

Tgt Ion:240 Resp: 65106

Ion Ratio Lower Upper

240 100

120 11.6 8.9 13.3

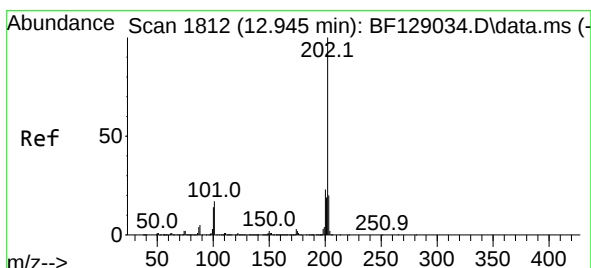
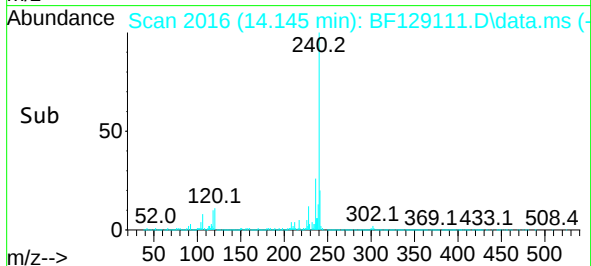
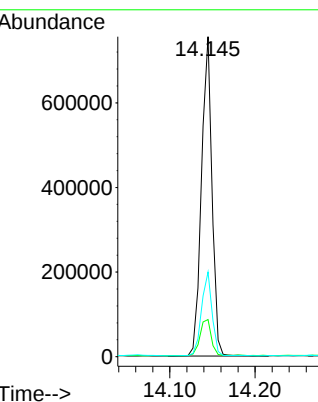
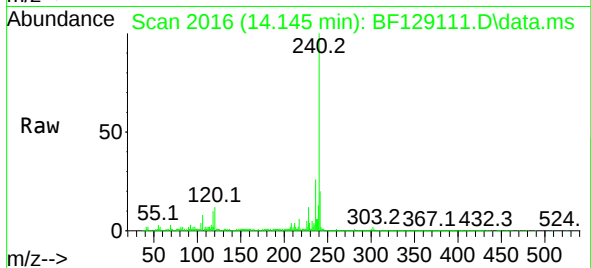
236 26.5 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#78

Pyrene

Concen: 25.906 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF129111.D

Acq: 02 Jul 2022 01:00

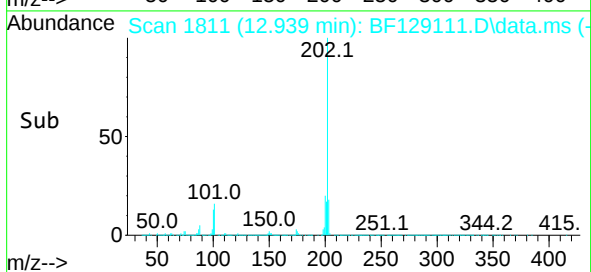
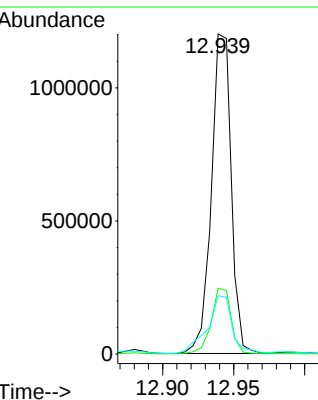
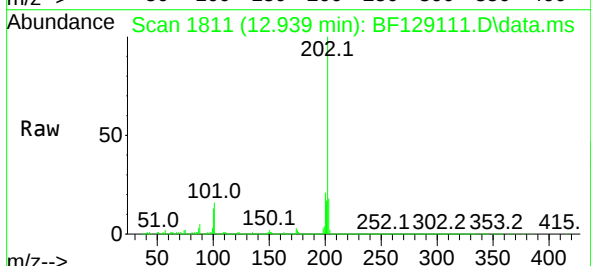
Tgt Ion:202 Resp: 1169119

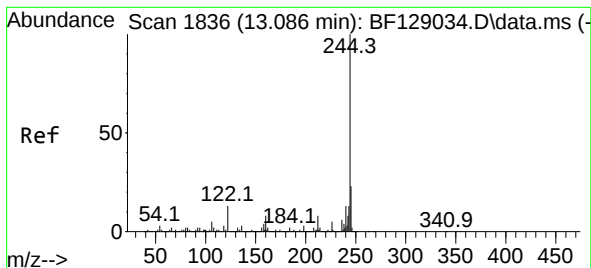
Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

203 18.2 14.6 21.8





#79

Terphenyl-d14

Concen: 81.848 ng

RT: 13.080 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129111.D

Acq: 02 Jul 2022 01:00

Instrument :

BNA_F

ClientSampleId :

SB-12B

Tgt Ion:244 Resp: 2566092

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

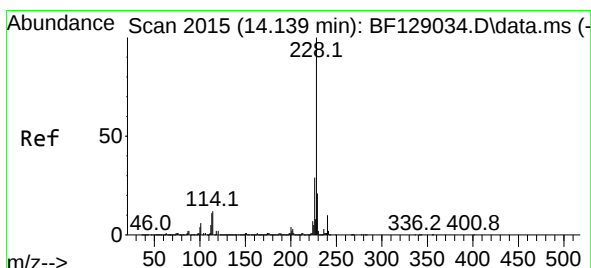
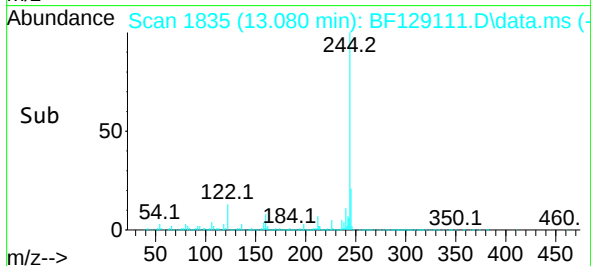
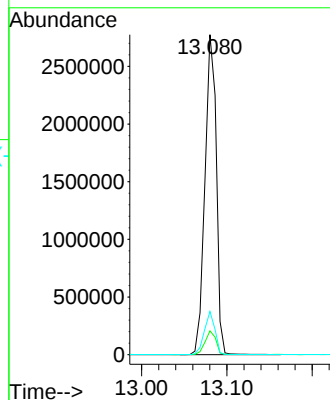
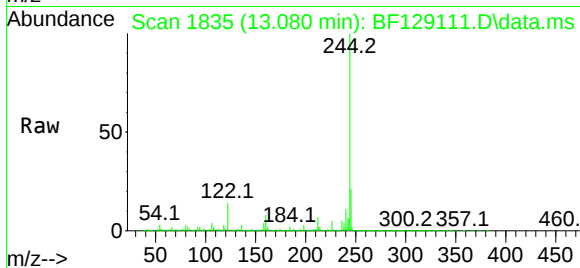
122 13.5 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#81

Benzo(a)anthracene

Concen: 15.417 ng

RT: 14.133 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF129111.D

Acq: 02 Jul 2022 01:00

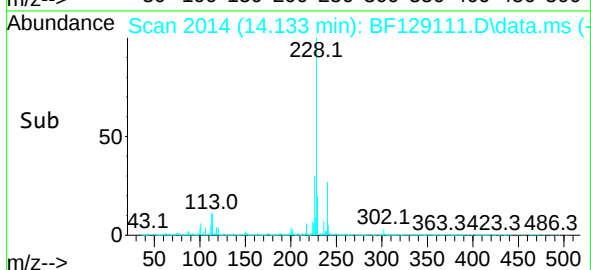
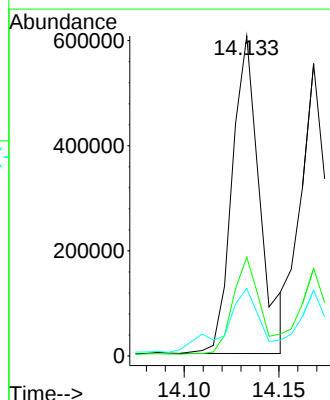
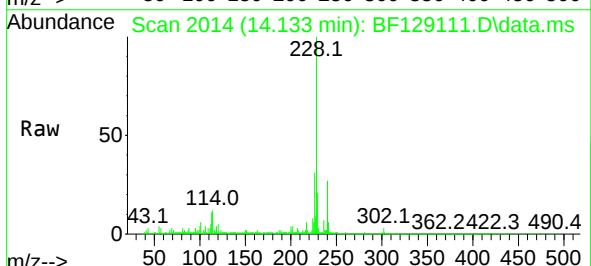
Tgt Ion:228 Resp: 612882

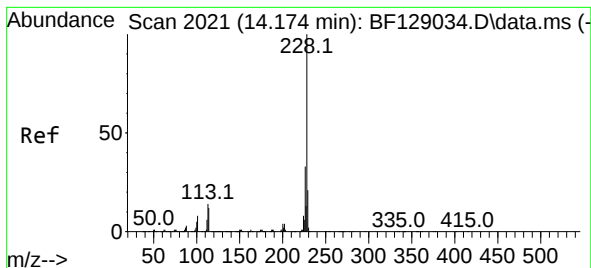
Ion Ratio Lower Upper

228 100

226 30.9 22.1 33.1

229 21.1 15.8 23.8





#83

Chrysene

Concen: 13.643 ng

RT: 14.168 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129111.D

Acq: 02 Jul 2022 01:00

Instrument :

BNA_F

ClientSampleId :

SB-12B

Tgt Ion:228 Resp: 50349

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

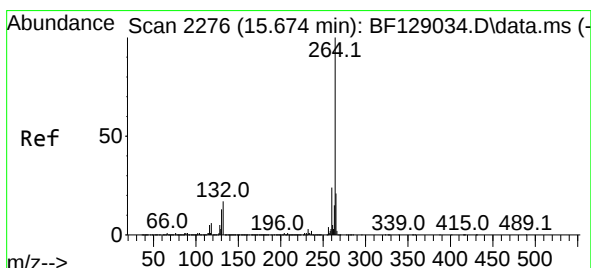
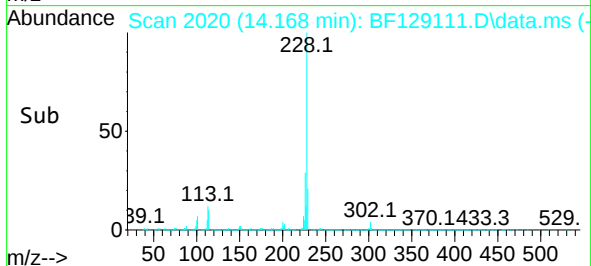
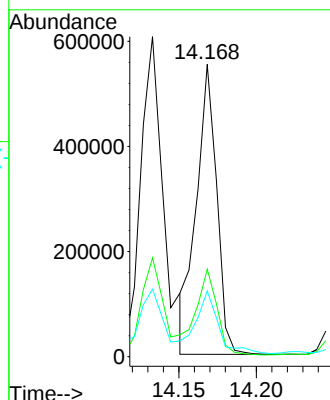
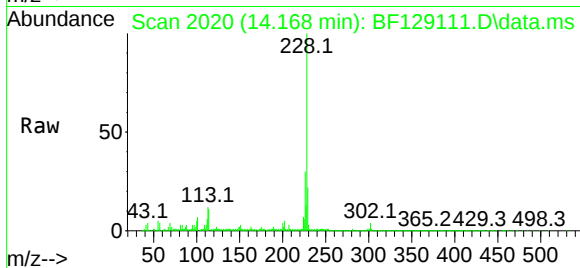
229 22.5 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.668 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF129111.D

Acq: 02 Jul 2022 01:00

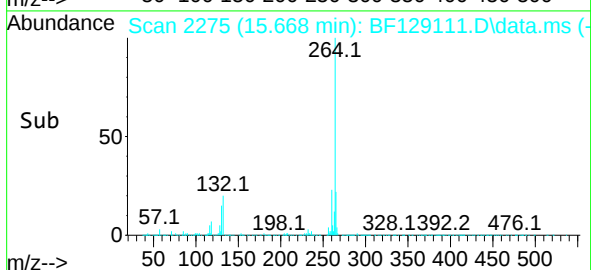
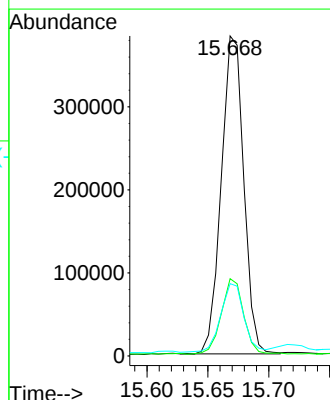
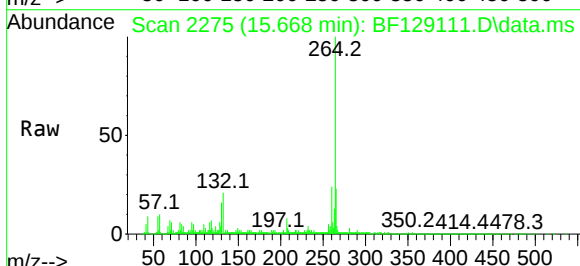
Tgt Ion:264 Resp: 492040

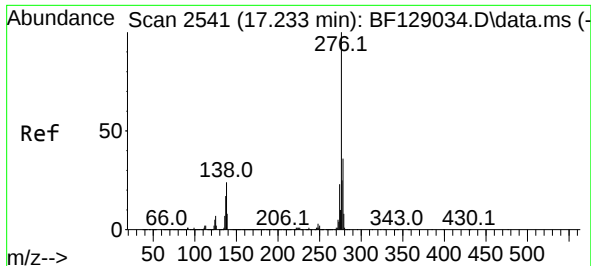
Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

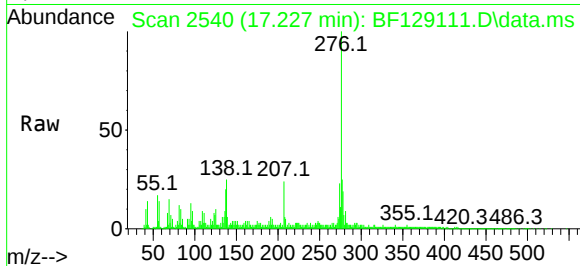
265 22.6 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.371 ng
RT: 17.227 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00

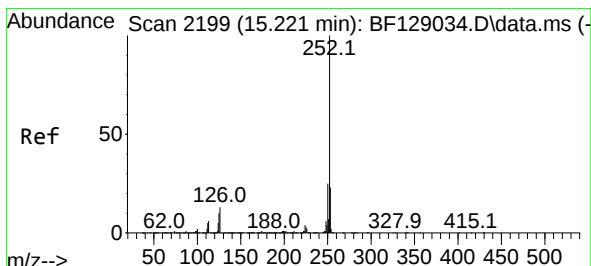
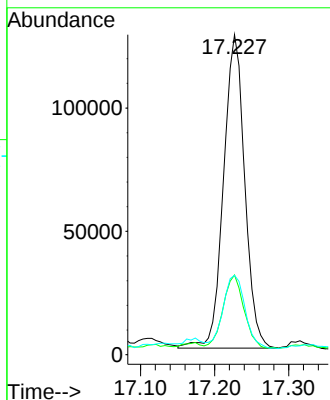
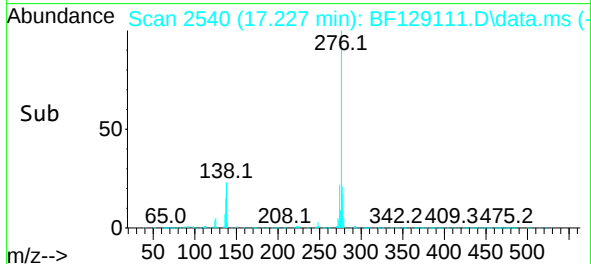
Instrument :
BNA_F
ClientSampleId :
SB-12B



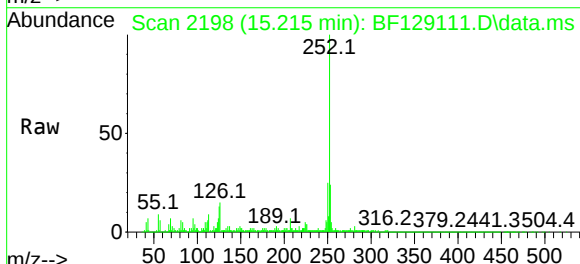
Tgt Ion: 276 Resp: 252628
Ion Ratio Lower Upper
276 100
138 23.3 21.1 31.7
277 24.7 20.3 30.5

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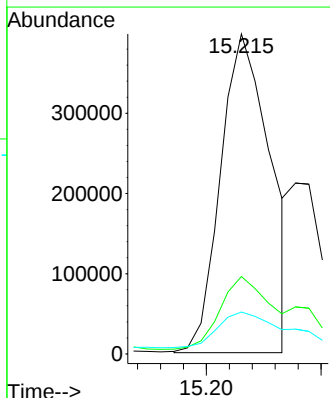
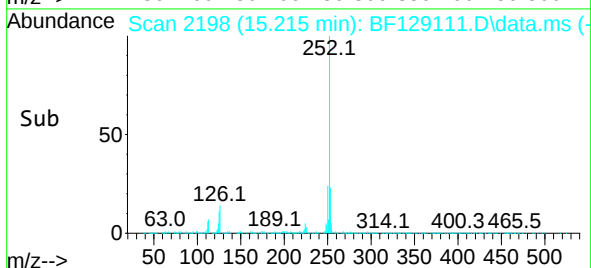
Reviewed By : Christian Giraldo 07/05/2022
Supervised By : Jagrut Upadhyay 07/05/2022

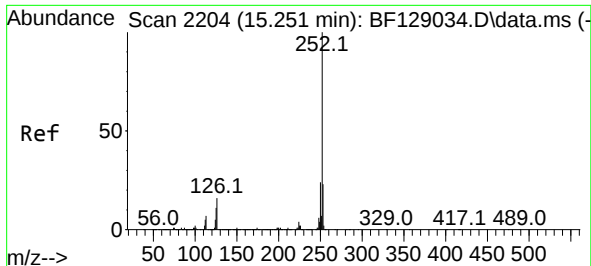


#88
Benzo(b)fluoranthene
Concen: 20.198 ng m
RT: 15.215 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00



Tgt Ion: 252 Resp: 597681
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 13.1 8.0 12.0#





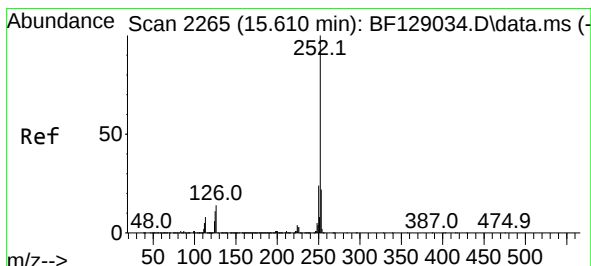
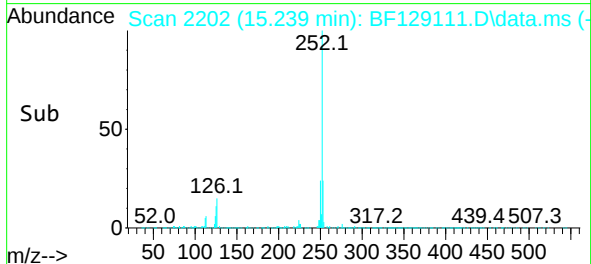
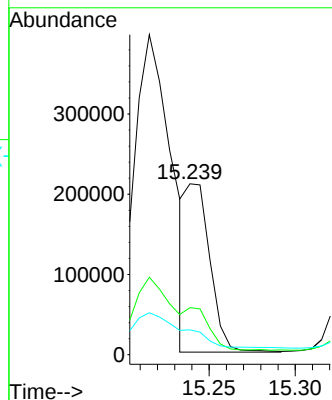
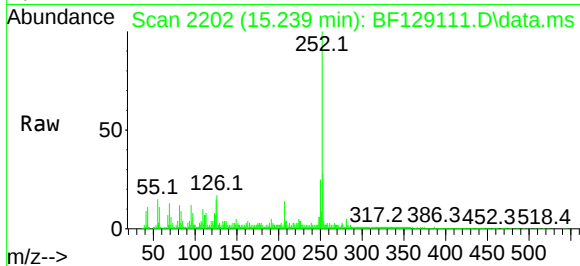
#89
Benzo(k)fluoranthene
Concen: 7.133 ng m
RT: 15.239 min Scan# 20471
Delta R.T. -0.012 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00

Instrument :
BNA_F
ClientSampleId :
SB-12B

Tgt Ion:252 Resp: 20471
Ion Ratio Lower Upper
252 100
253 27.5 17.8 26.6
125 14.5 8.3 12.5

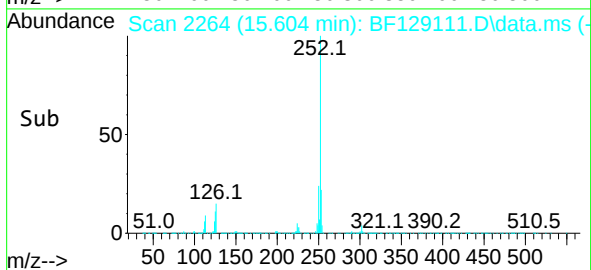
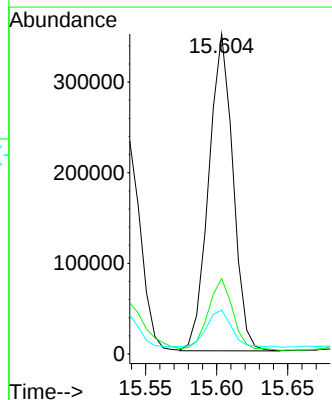
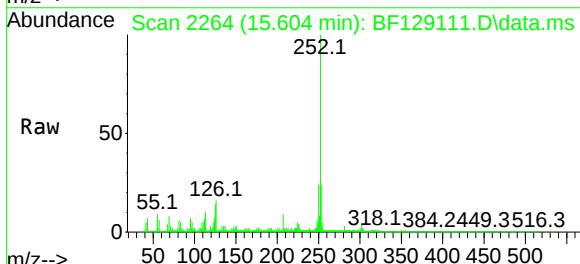
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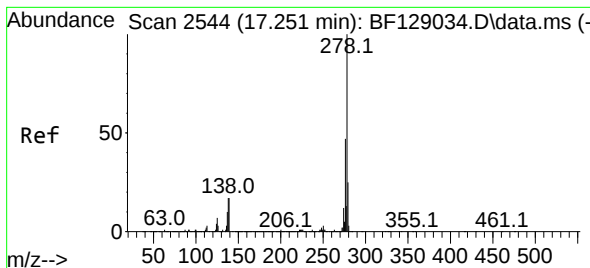
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#90
Benzo(a)pyrene
Concen: 17.225 ng
RT: 15.604 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF129111.D
Acq: 02 Jul 2022 01:00

Tgt Ion:252 Resp: 415517
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 13.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.608 ng

RT: 17.239 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129111.D

Acq: 02 Jul 2022 01:00

Instrument :

BNF_F

ClientSampleId :

SB-12B

Tgt Ion:278 Resp: 64150

Ion Ratio Lower Upper

278 100

139 30.4 12.8 19.2

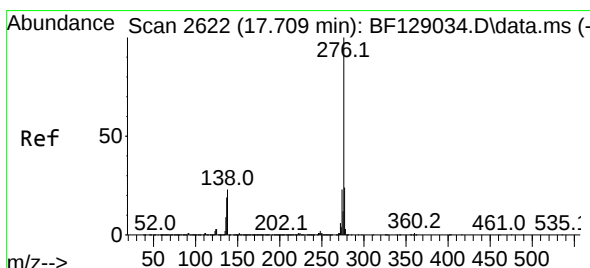
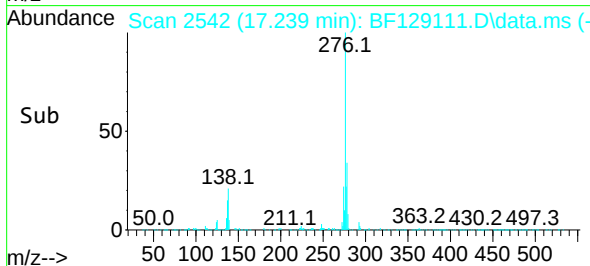
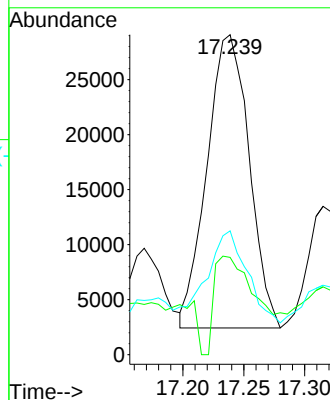
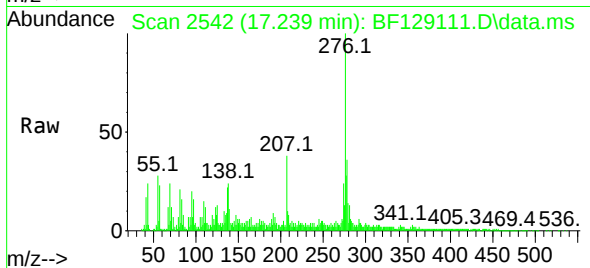
279 38.7 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#92

Benzo(g,h,i)perylene

Concen: 9.738 ng

RT: 17.703 min Scan# 2621

Delta R.T. -0.006 min

Lab File: BF129111.D

Acq: 02 Jul 2022 01:00

Tgt Ion:276 Resp: 240339

Ion Ratio Lower Upper

276 100

277 26.1 19.1 28.7

138 24.1 18.0 27.0

