

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070522\
 Data File : BF129135.D
 Acq On : 05 Jul 2022 21:10
 Operator : CG\JU
 Sample : N3571-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB16128

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/06/2022
 Supervised By : Jagrut Upadhyay 07/06/2022

Quant Time: Jul 06 02:26:41 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	313567	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	1086917	20.000	ng	# 0.00
39) Acenaphthene-d10	10.004	164	521008	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	908030	20.000	ng	# 0.00
76) Chrysene-d12	14.151	240	652710	20.000	ng	0.00
86) Perylene-d12	15.674	264	522802	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	131331	7.081	ng	-0.02
7) Phenol-d6	6.569	99	151567	6.580	ng	-0.02
23) Nitrobenzene-d5	7.516	82	82204	4.511	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	32870	5.802	ng	-0.01
45) 2-Fluorobiphenyl	9.316	172	159911	4.910	ng	0.00
79) Terphenyl-d14	13.080	244	161641	5.143	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.263	128	574864	11.650	ng	99
37) 2-Methylnaphthalene	8.951	142	159399	4.801	ng	97
38) 1-Methylnaphthalene	9.051	142	93392	2.896	ng	97
52) Acenaphthene	10.033	154	228017	7.964	ng	99
55) Dibenzofuran	10.204	168	270407	6.486	ng	98
58) Fluorene	10.551	166	356340	11.051	ng	96
71) Phenanthrene	11.521	178	2082743	48.006	ng	99
72) Anthracene	11.568	178	735751	17.200	ng	99
73) Carbazole	11.721	167	177620	4.144	ng	98
75) Fluoranthene	12.715	202	2544319	56.075	ng	96
78) Pyrene	12.951	202	2208361	48.811	ng	99
81) Benzo(a)anthracene	14.139	228	1075047	26.975	ng	98
83) Chrysene	14.174	228	882788m	23.860	ng	
87) Indeno(1,2,3-cd)pyrene	17.233	276	355577	11.089	ng	95
88) Benzo(b)fluoranthene	15.221	252	979303m	31.147	ng	
89) Benzo(k)fluoranthene	15.245	252	337417m	11.064	ng	
90) Benzo(a)pyrene	15.609	252	704437	27.484	ng	95
91) Dibenzo(a,h)anthracene	17.245	278	89984	3.443	ng	# 81
92) Benzo(g,h,i)perylene	17.709	276	321751	12.269	ng	96

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

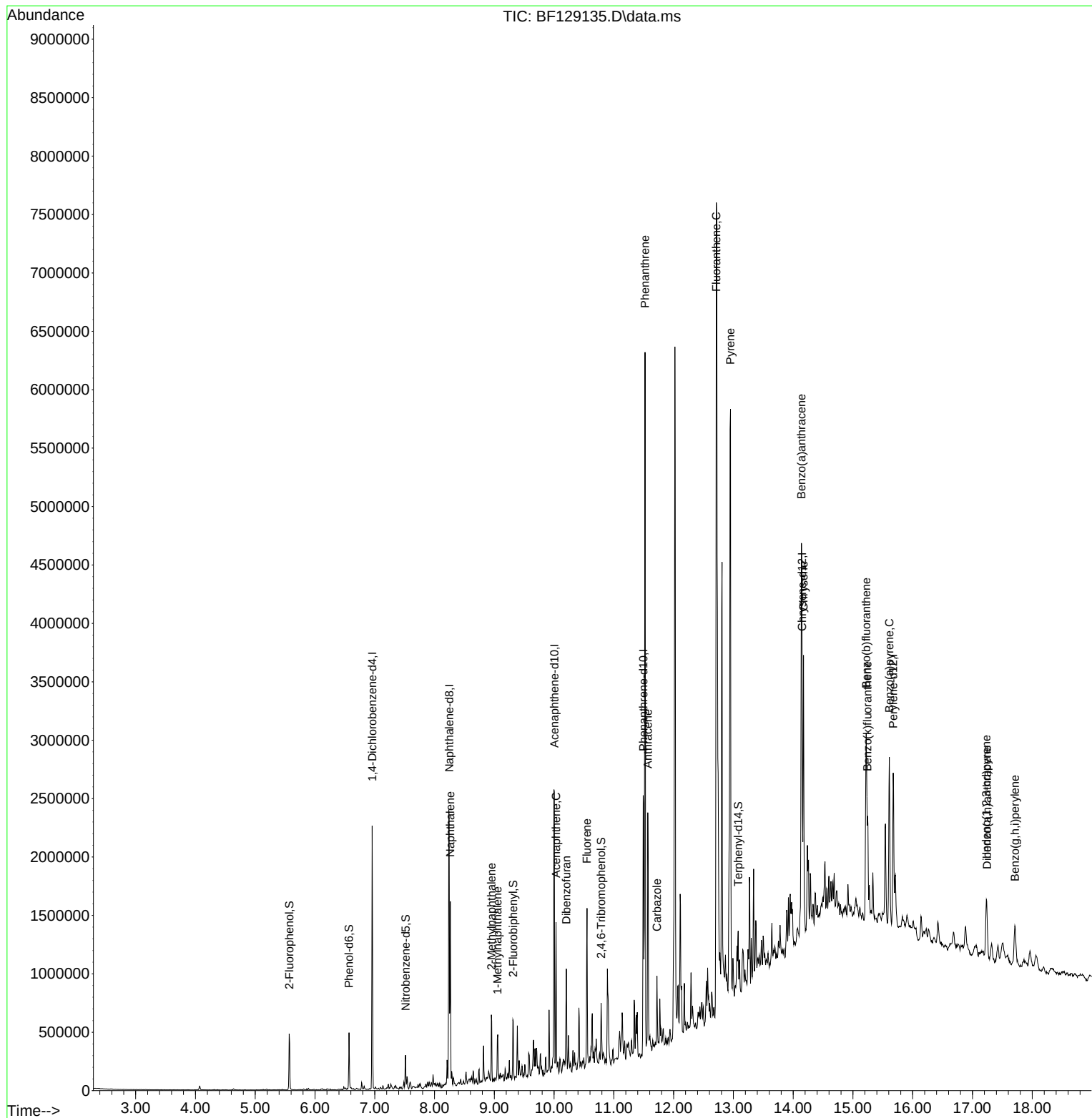
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070522\
Data File : BF129135.D
Acq On : 05 Jul 2022 21:10
Operator : CG\JU
Sample : N3571-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

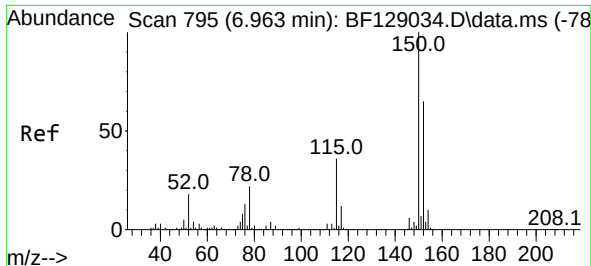
Instrument :
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Supervised By :Jagrut Upadhyay 07/06/2022

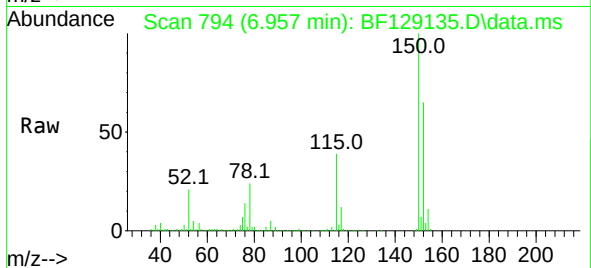
Quant Time: Jul 06 02:26:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 29 17:05:31 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

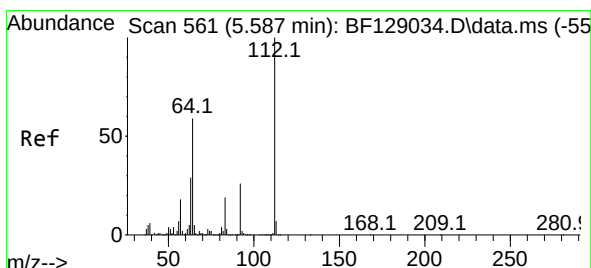
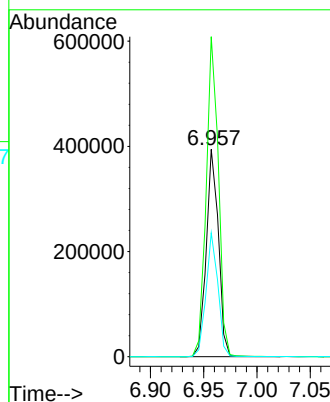
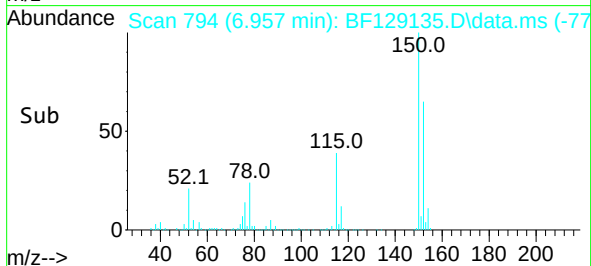
Instrument :
BNA_F
ClientSampleId :
VB16128



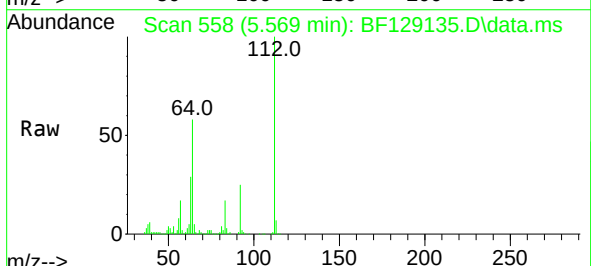
Tgt Ion:152 Resp: 31356
Ion Ratio Lower Upper
152 100
150 154.4 123.7 185.5
115 59.7 49.9 74.9

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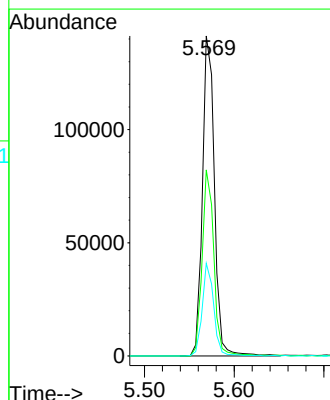
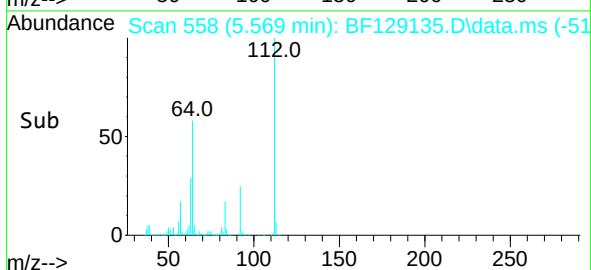
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022

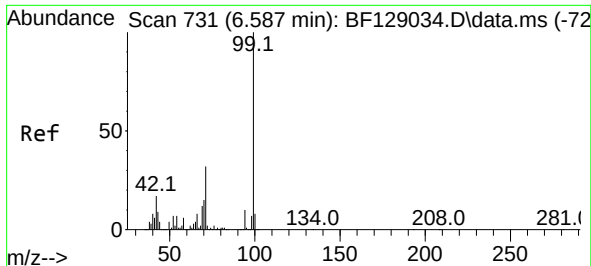


#5
2-Fluorophenol
Concen: 7.081 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.018 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10



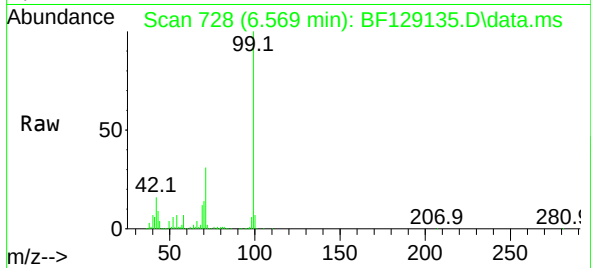
Tgt Ion:112 Resp: 131331
Ion Ratio Lower Upper
112 100
64 58.1 53.3 79.9
63 29.0 28.0 42.0





#7
Phenol-d6
Concen: 6.580 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

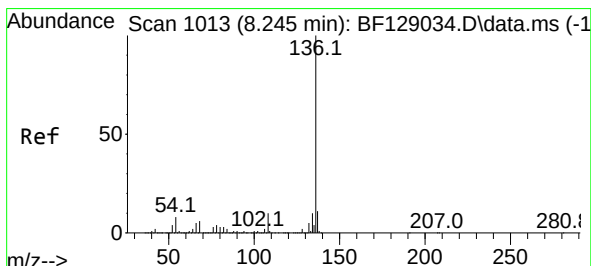
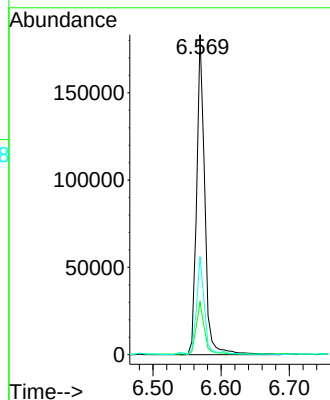
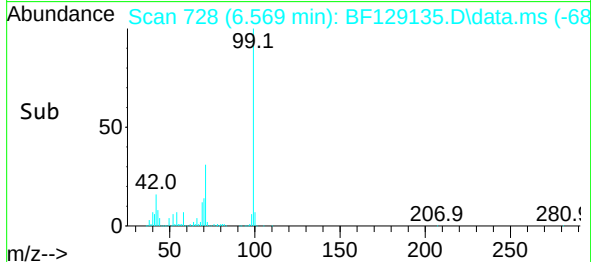
Instrument :
BNA_F
ClientSampleId :
VB16128



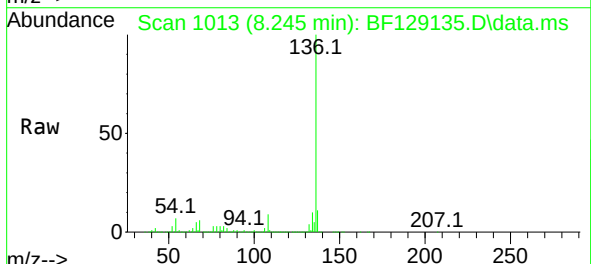
Tgt Ion: 99 Resp: 15156
Ion Ratio Lower Upper
99 100
42 16.4 17.3 25.9
71 30.6 28.9 43.3

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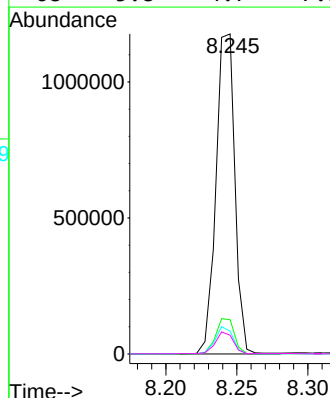
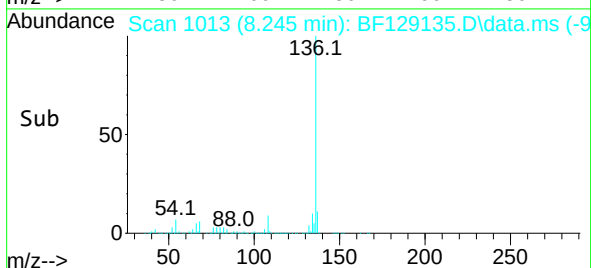
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022

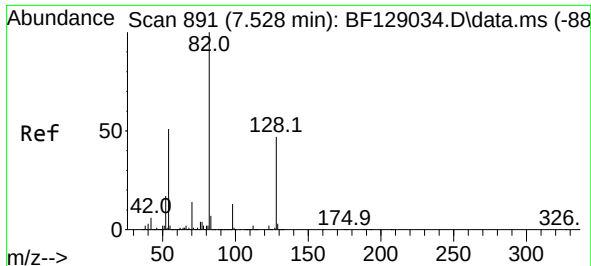


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10



Tgt Ion:136 Resp: 1086917
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.1 7.5 11.3
68 5.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 4.511 ng

RT: 7.516 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF129135.D

Acq: 05 Jul 2022 21:10

Instrument :

BNA_F

ClientSampleId :

VB16128

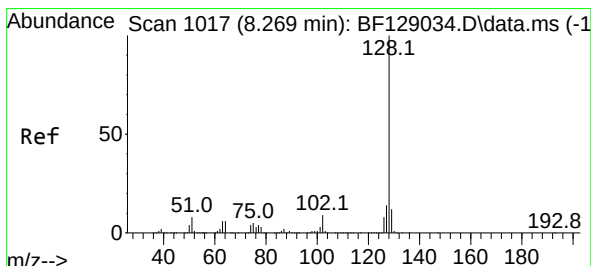
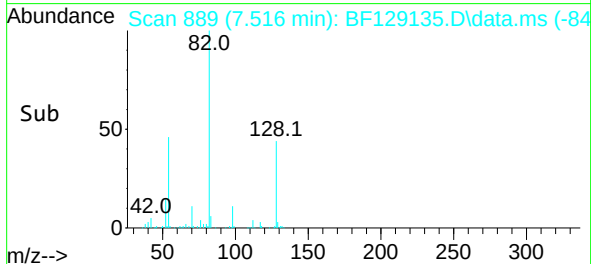
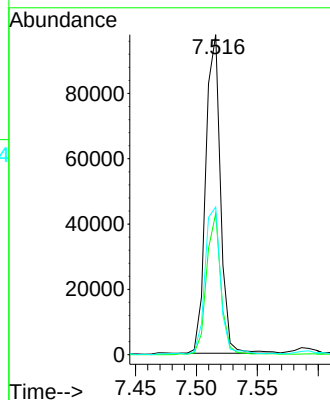
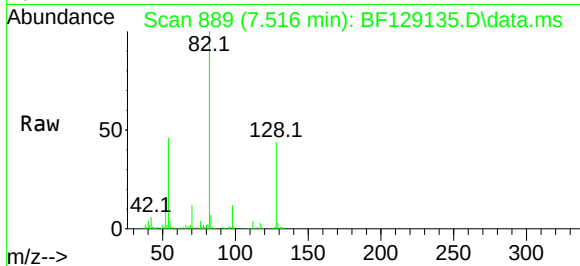
Tgt Ion: 82	Resp: 82204
Ion Ratio	Lower Upper
82 100	
128 44.2	34.0 51.0
54 46.2	46.9 70.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/06/2022



#31

Naphthalene

Concen: 11.650 ng

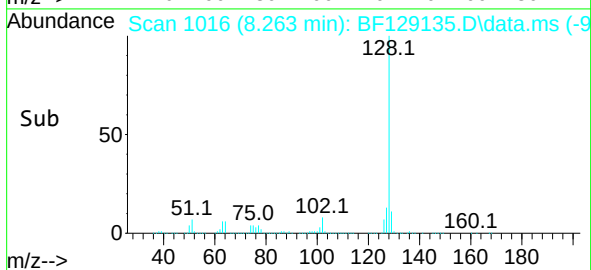
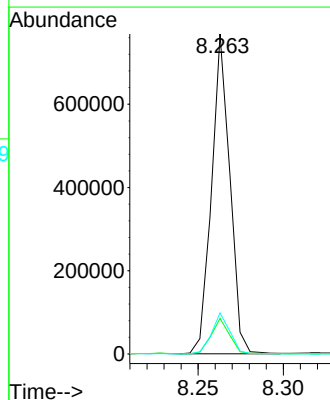
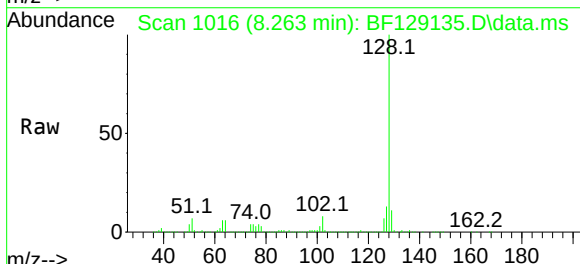
RT: 8.263 min Scan# 1016

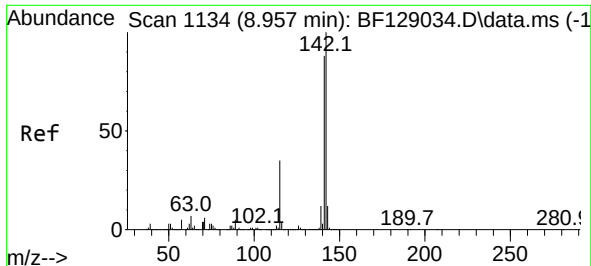
Delta R.T. -0.006 min

Lab File: BF129135.D

Acq: 05 Jul 2022 21:10

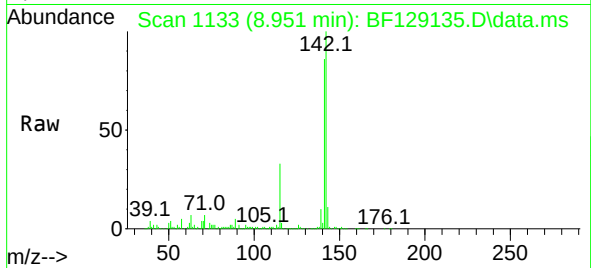
Tgt Ion:128	Resp: 574864
Ion Ratio	Lower Upper
128 100	
129 11.1	9.2 13.8
127 12.8	10.5 15.7





#37
2-Methylnaphthalene
Concen: 4.801 ng
RT: 8.951 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

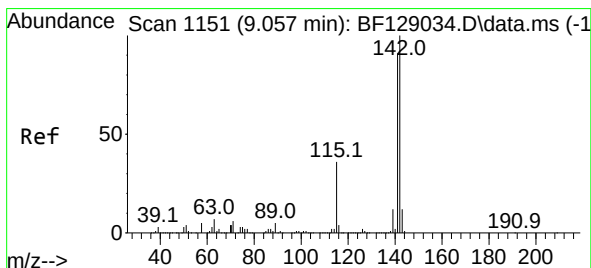
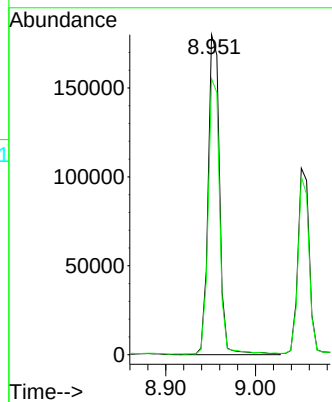
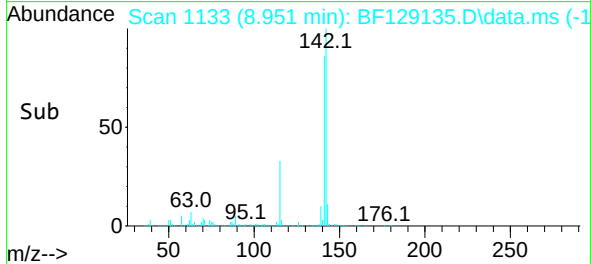
Instrument :
BNA_F
ClientSampleId :
VB16128



Tgt Ion:142 Resp: 159399
Ion Ratio Lower Upper
142 100
141 86.2 71.0 106.4

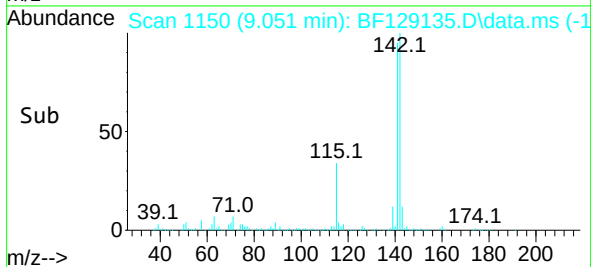
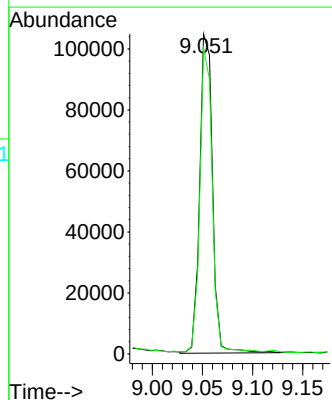
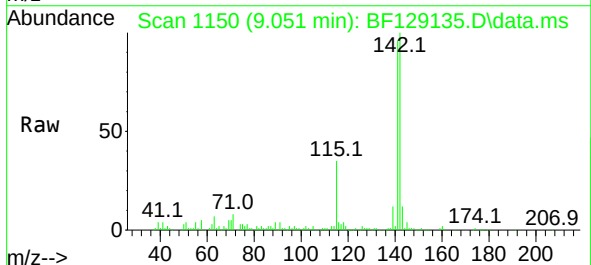
Manual Integrations
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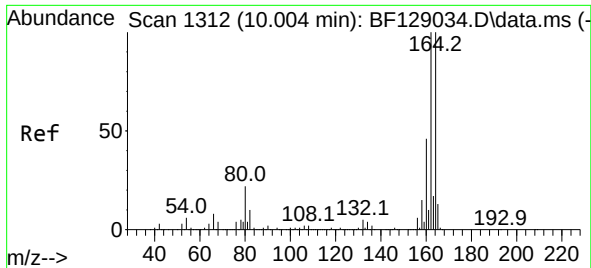
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022



#38
1-Methylnaphthalene
Concen: 2.896 ng
RT: 9.051 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

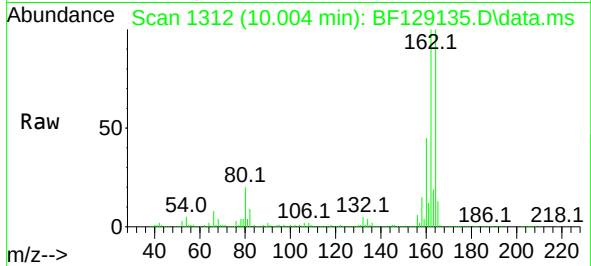
Tgt Ion:142 Resp: 93392
Ion Ratio Lower Upper
142 100
141 95.5 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

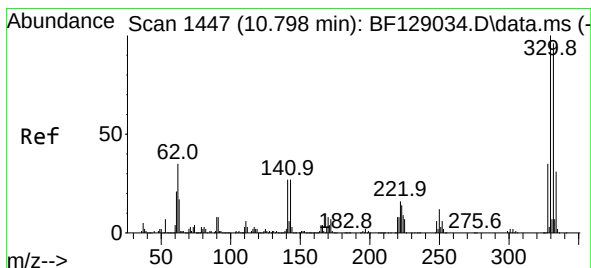
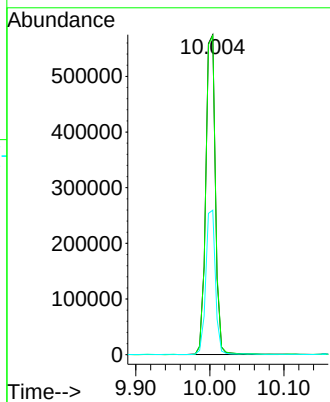
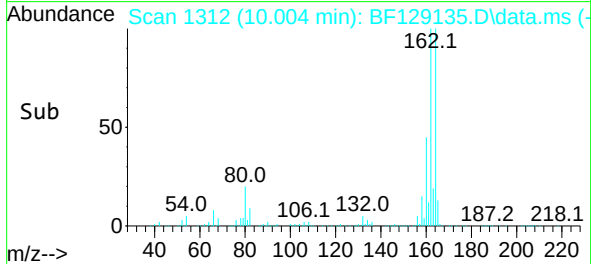
Instrument :
BNA_F
ClientSampleId :
VB16128



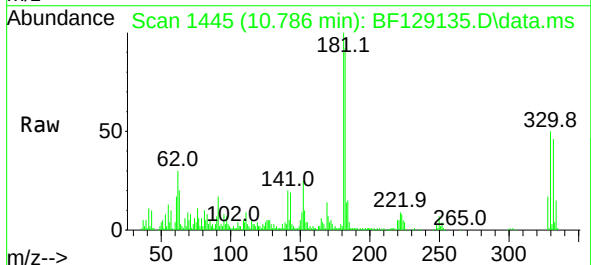
Tgt Ion:164 Resp: 521008
Ion Ratio Lower Upper
164 100
162 99.7 79.5 119.3
160 45.2 34.2 51.4

Manual Integrations
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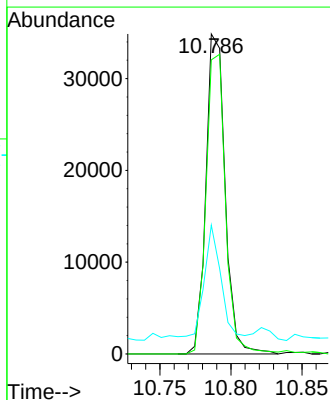
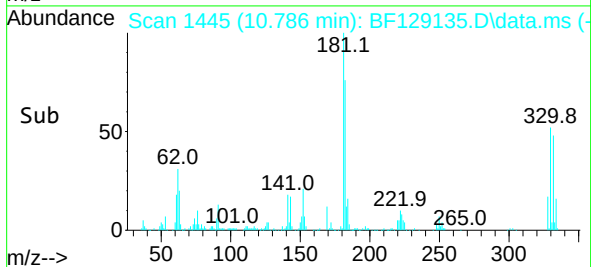
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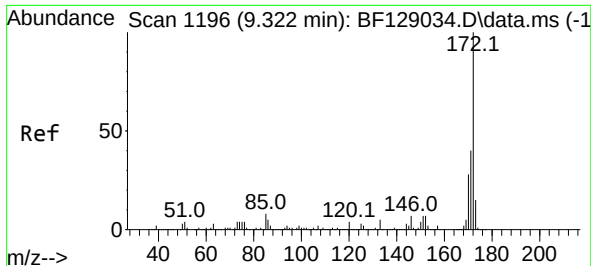


#42
2,4,6-Tribromophenol
Concen: 5.802 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10



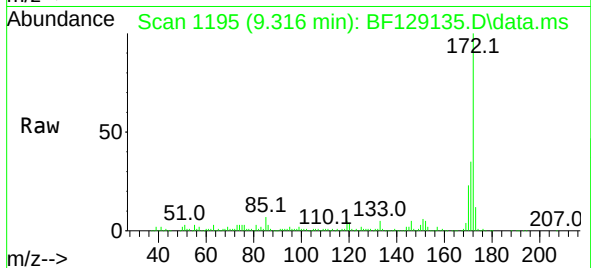
Tgt Ion:330 Resp: 32870
Ion Ratio Lower Upper
330 100
332 95.0 76.8 115.2
141 30.1 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 4.910 ng
RT: 9.316 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

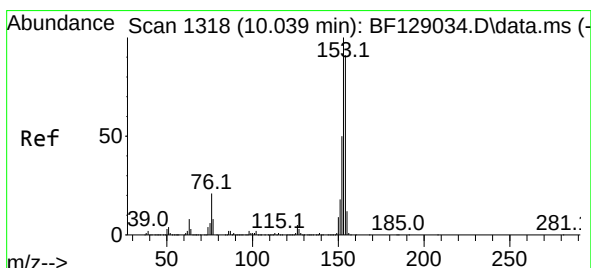
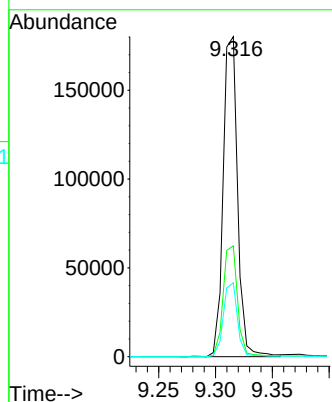
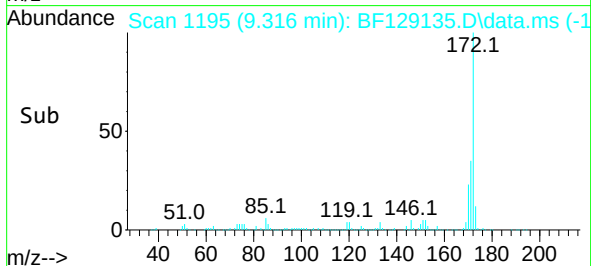
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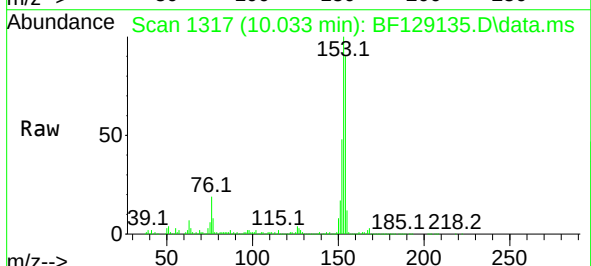
Tgt Ion:172 Resp: 15991
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.1 19.8 29.8

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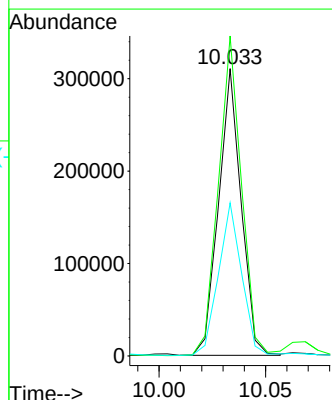
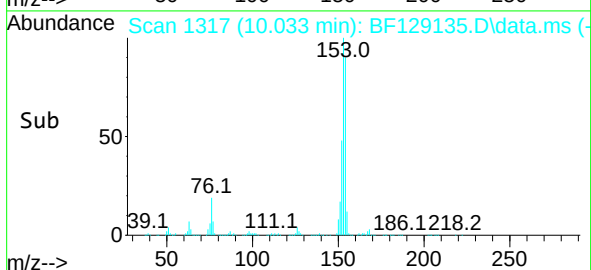
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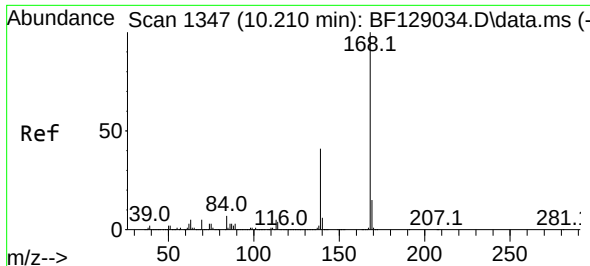


#52
Acenaphthene
Concen: 7.964 ng
RT: 10.033 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10



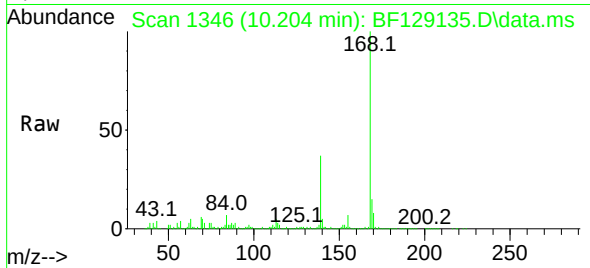
Tgt Ion:154 Resp: 228017
Ion Ratio Lower Upper
154 100
153 111.4 89.6 134.4
152 53.3 42.4 63.6





#55
Dibenzenofuran
Concen: 6.486 ng
RT: 10.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

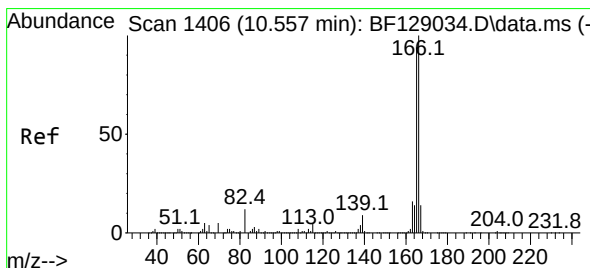
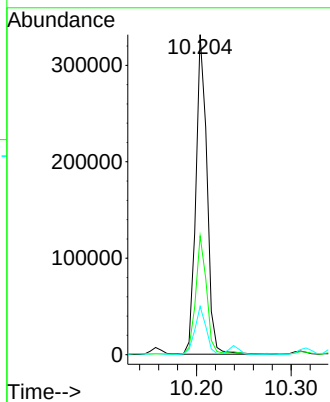
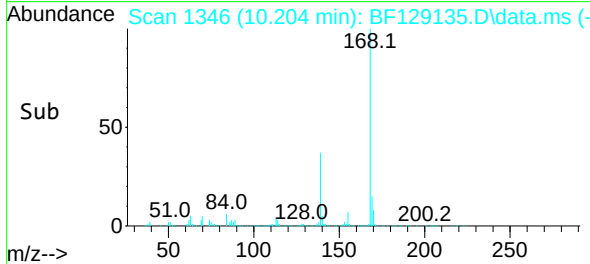
Instrument :
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Tgt Ion:168 Resp: 27040
Ion Ratio Lower Upper
168 100
139 37.2 30.6 46.0
169 15.1 11.0 16.6

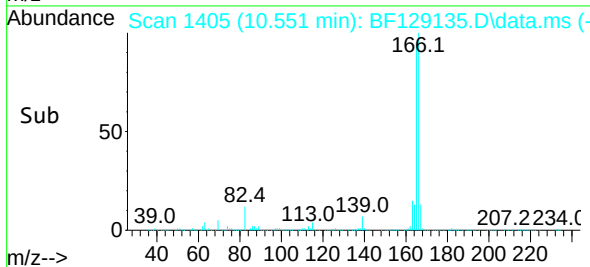
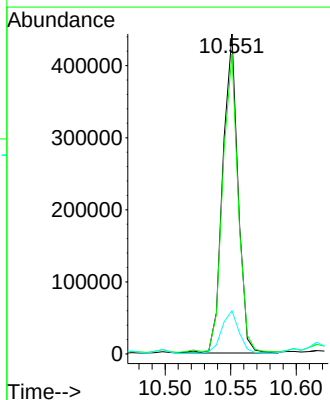
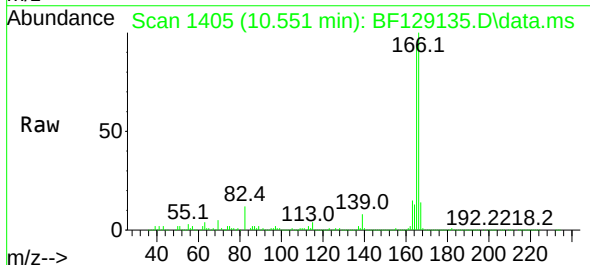
Manual Integrations
APPROVED

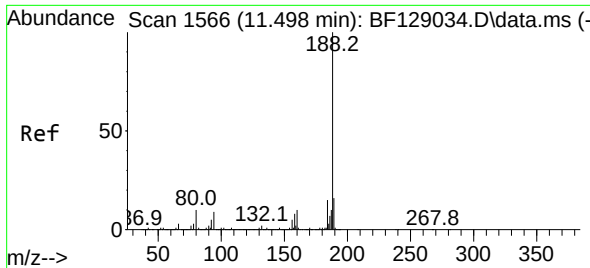
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022



#58
Fluorene
Concen: 11.051 ng
RT: 10.551 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

Tgt Ion:166 Resp: 356340
Ion Ratio Lower Upper
166 100
165 93.8 78.1 117.1
167 13.5 10.5 15.7





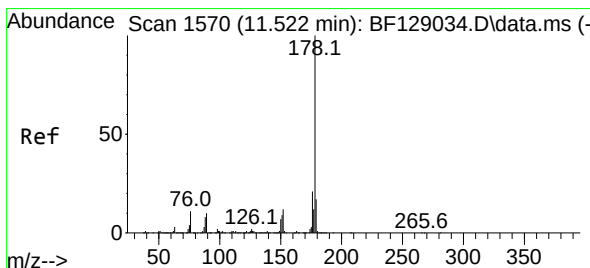
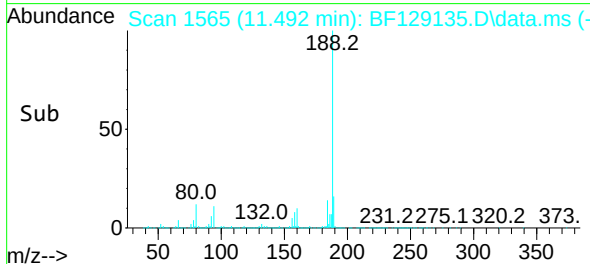
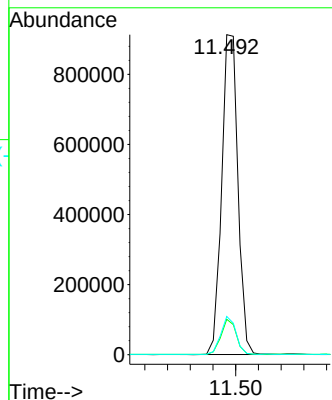
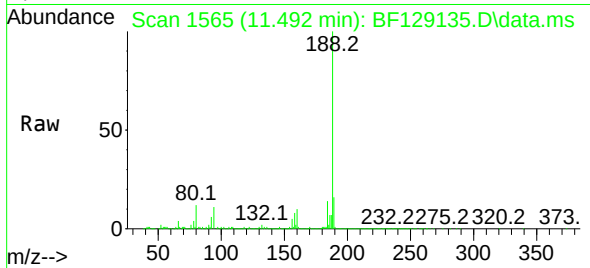
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

Instrument :
BNA_F
ClientSampleId :
VB16128

Tgt Ion:188 Resp: 908030
Ion Ratio Lower Upper
188 100
94 11.1 7.0 10.6
80 11.9 7.6 11.4

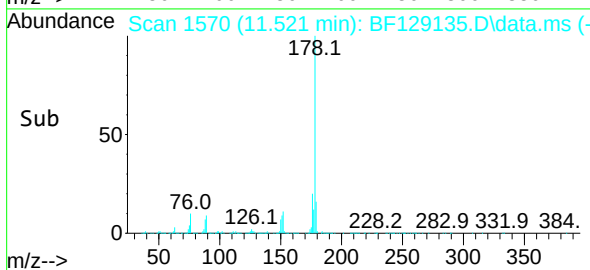
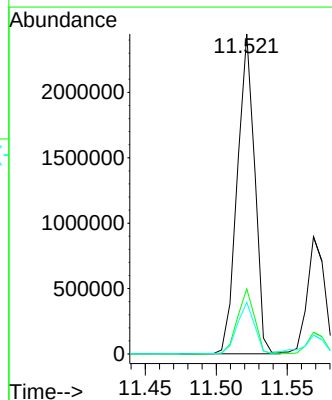
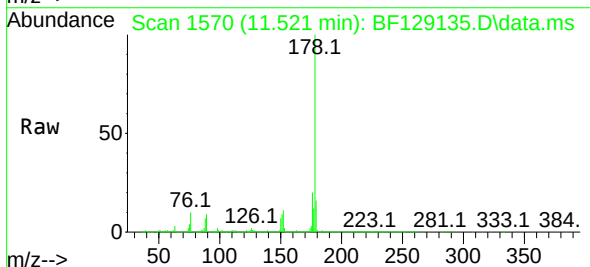
Manual Integrations
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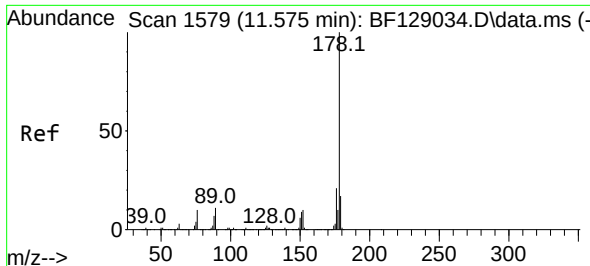
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022



#71
Phenanthrene
Concen: 48.006 ng
RT: 11.521 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

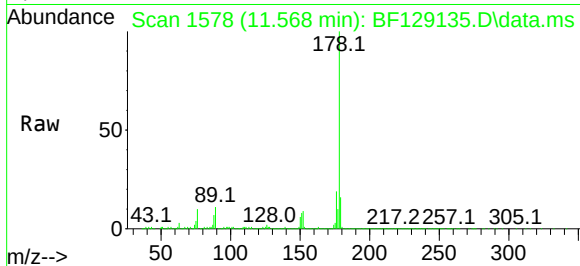
Tgt Ion:178 Resp: 2082743
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 16.2 12.6 19.0





#72
 Anthracene
 Concen: 17.200 ng
 RT: 11.568 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129135.D
 Acq: 05 Jul 2022 21:10

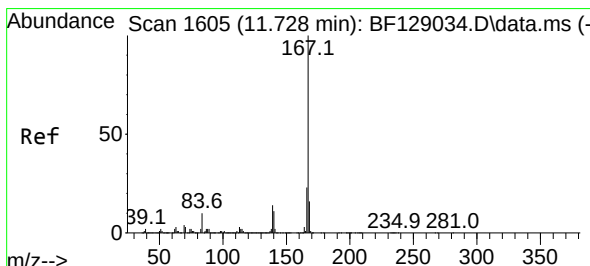
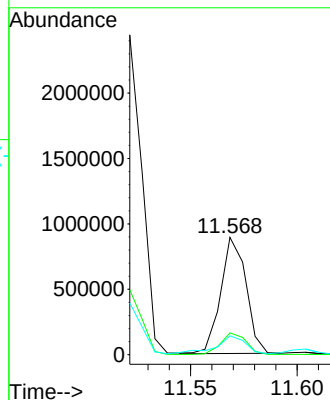
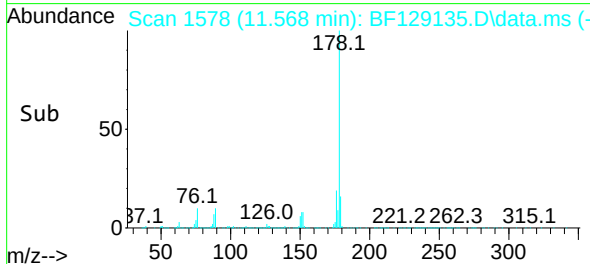
Instrument :
 BNA_F
 ClientSampleId :
 VB16128



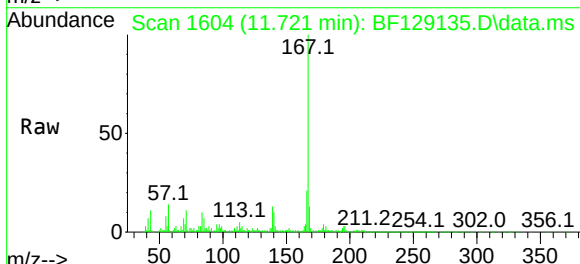
Tgt Ion:178 Resp: 73575
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 16.1 12.6 19.0

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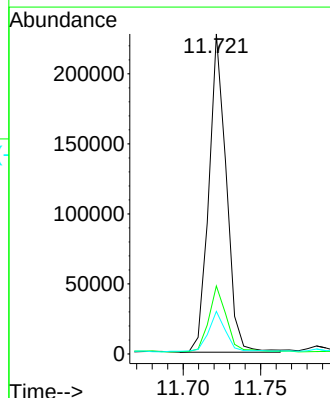
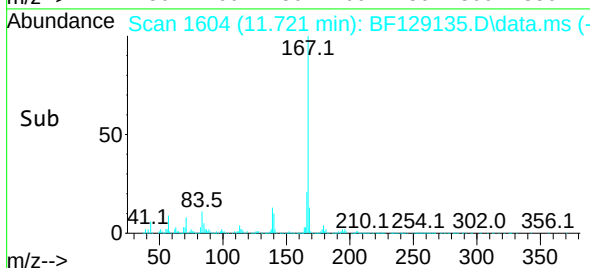
Reviewed By :Christian Giraldo 07/06/2022
 Supervised By :Jagrut Upadhyay 07/06/2022

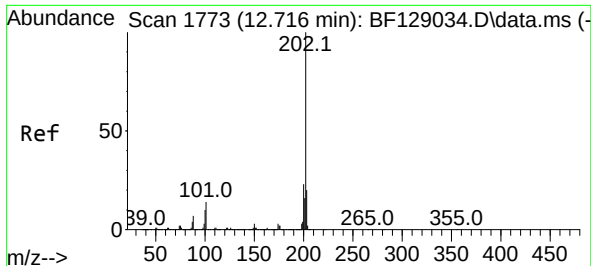


#73
 Carbazole
 Concen: 4.144 ng
 RT: 11.721 min Scan# 1604
 Delta R.T. -0.006 min
 Lab File: BF129135.D
 Acq: 05 Jul 2022 21:10



Tgt Ion:167 Resp: 177620
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.7 26.5
 139 13.3 11.2 16.8





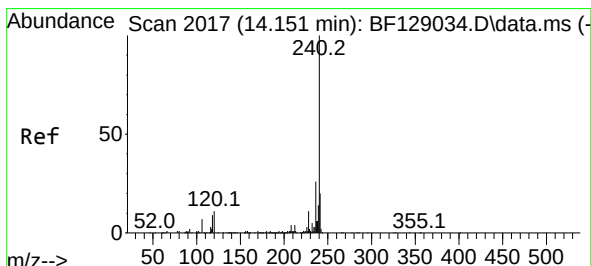
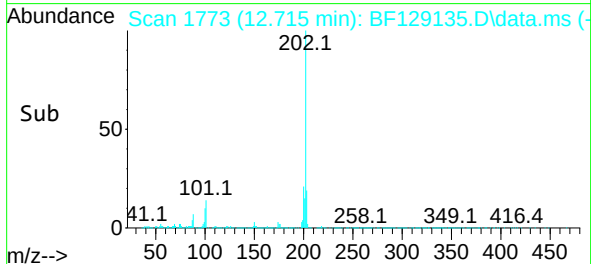
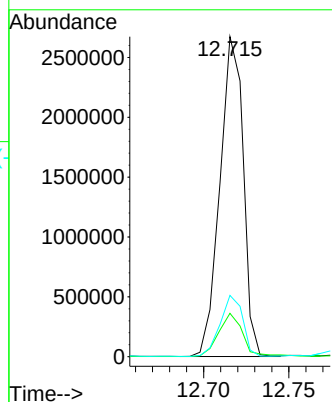
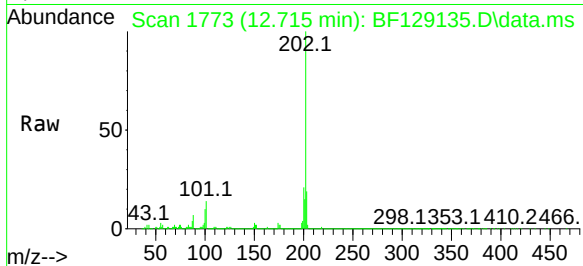
#75
Fluoranthene
Concen: 56.075 ng
RT: 12.715 min Scan# 1773
Delta R.T. -0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

Instrument :
BNA_F
ClientSampleId :
VB16128

Tgt Ion:202 Resp: 2544319
Ion Ratio Lower Upper
202 100
101 13.6 0.0 31.4
203 19.1 0.0 38.0

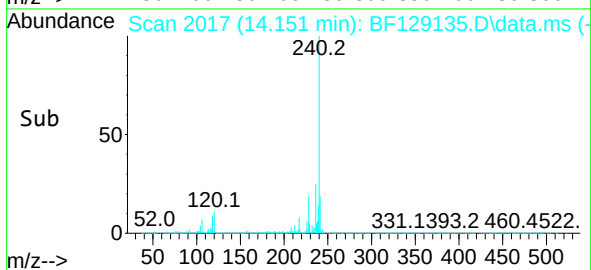
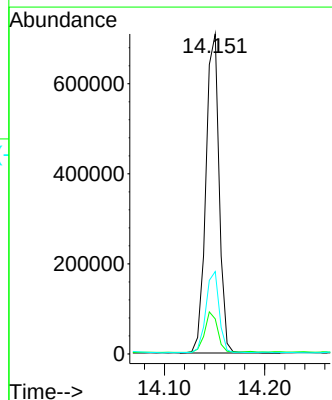
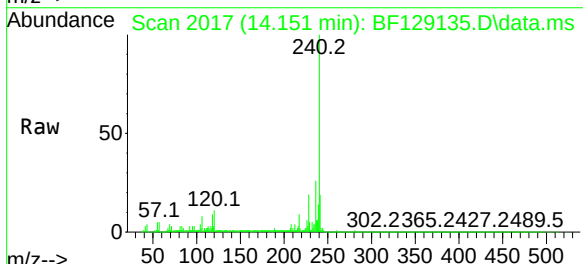
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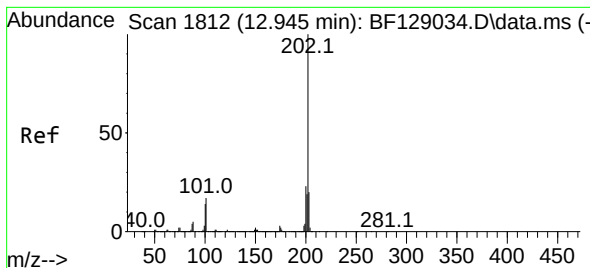
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.151 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

Tgt Ion:240 Resp: 652710
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 25.7 20.8 31.2





#78

Pyrene

Concen: 48.811 ng

RT: 12.951 min Scan# 1813

Delta R.T. 0.006 min

Lab File: BF129135.D

Acq: 05 Jul 2022 21:10

Instrument :

BNA_F

ClientSampleId :

VB16128

Tgt Ion:202 Resp: 220836

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

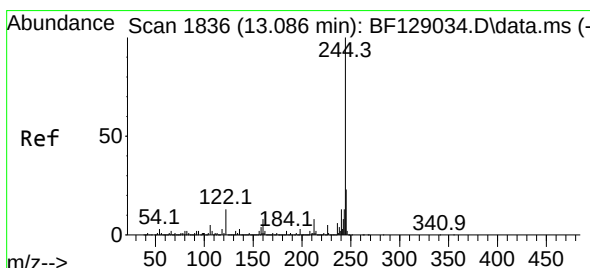
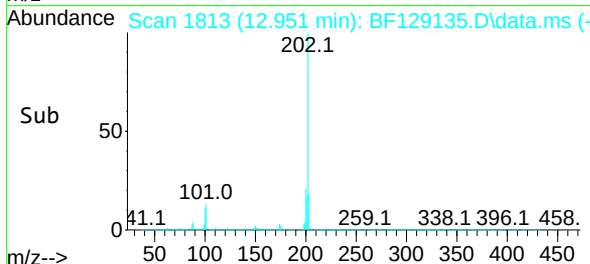
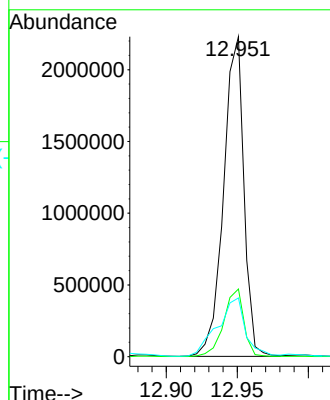
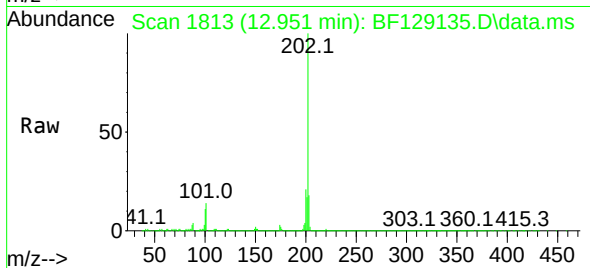
203 18.3 14.6 21.8

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Reviewed By :Christian Giraldo 07/06/2022

Supervised By :Jagrut Upadhyay 07/06/2022



#79

Terphenyl-d14

Concen: 5.143 ng

RT: 13.080 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF129135.D

Acq: 05 Jul 2022 21:10

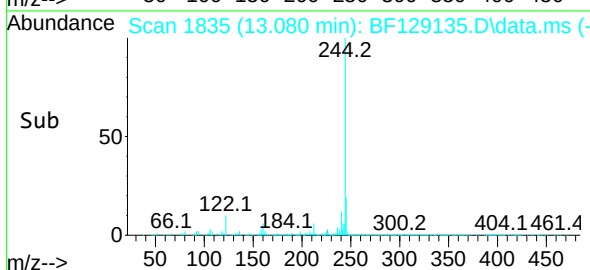
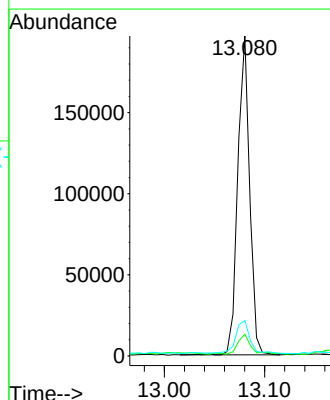
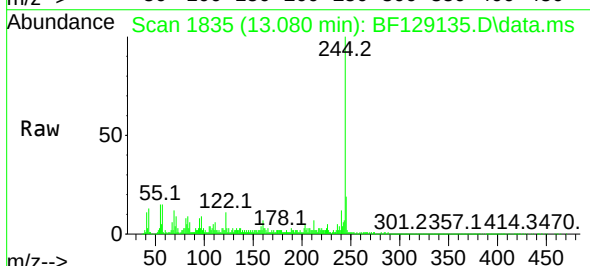
Tgt Ion:244 Resp: 161641

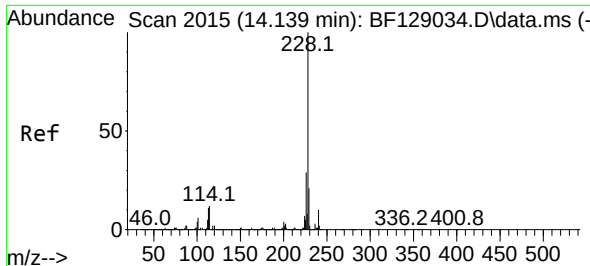
Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

122 11.0 8.8 13.2





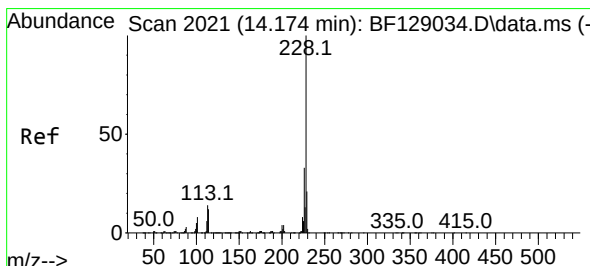
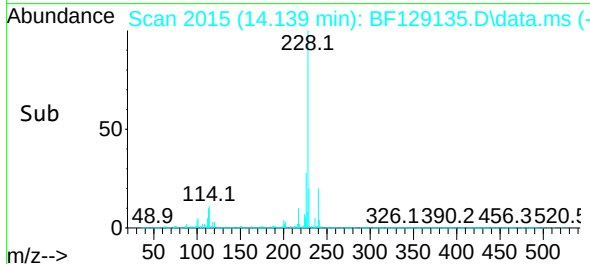
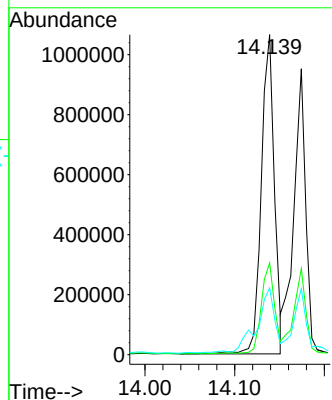
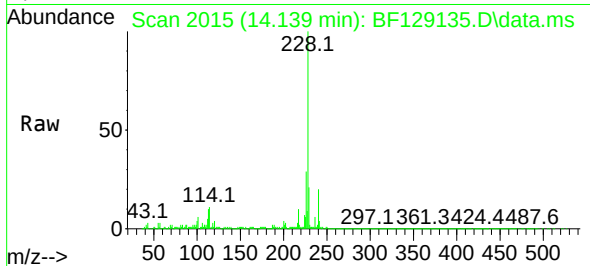
#81
Benzo(a)anthracene
Concen: 26.975 ng
RT: 14.139 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

Instrument :
BNA_F
ClientSampleId :
VB16128

Tgt Ion:228 Resp: 107504
Ion Ratio Lower Upper
228 100
226 28.7 22.1 33.1
229 20.9 15.8 23.8

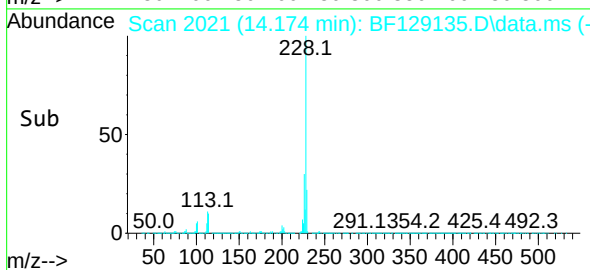
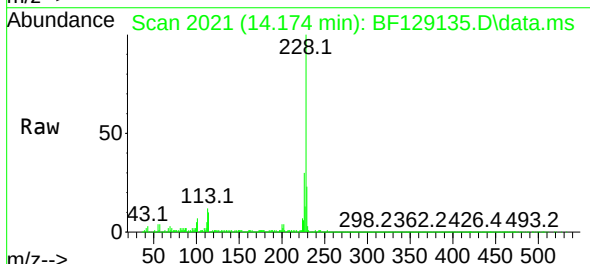
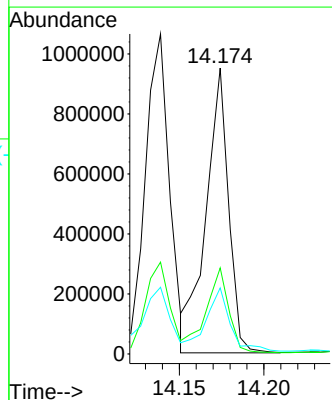
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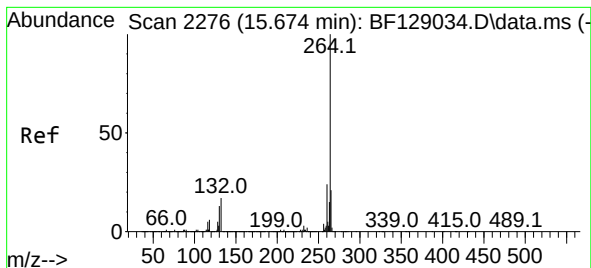
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022



#83
Chrysene
Concen: 23.860 ng m
RT: 14.174 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

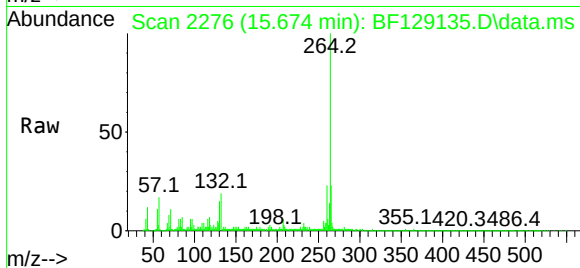
Tgt Ion:228 Resp: 882788
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 23.1 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

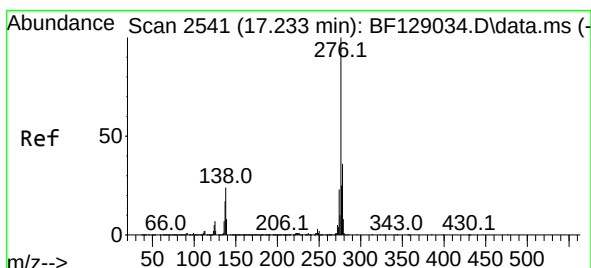
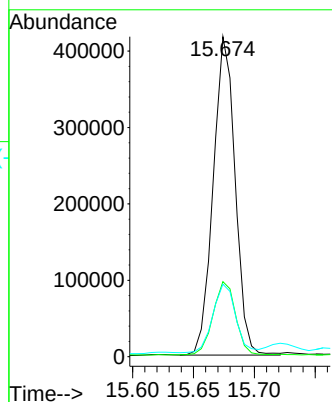
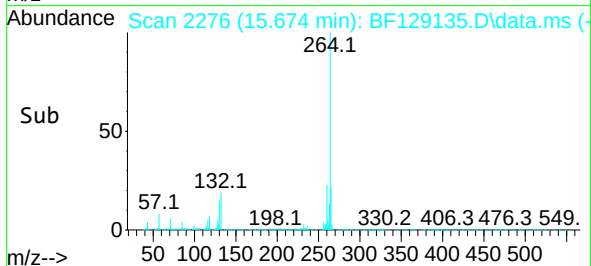
Instrument :
BNA_F
ClientSampleId :
VB16128



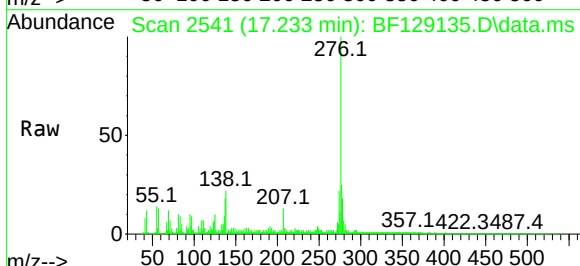
Tgt Ion:264 Resp: 52280
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 22.7 17.2 25.8

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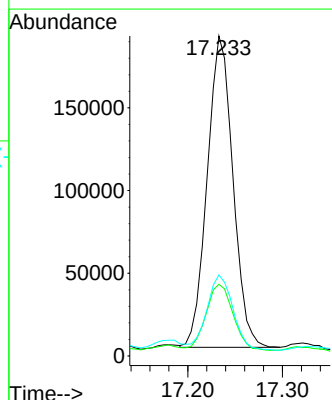
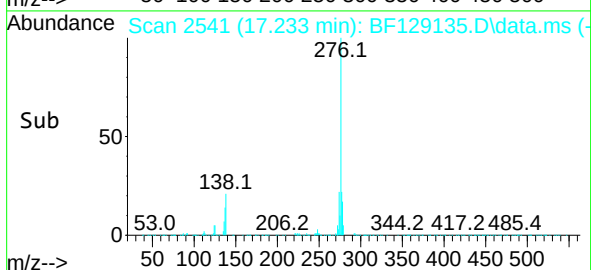
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022

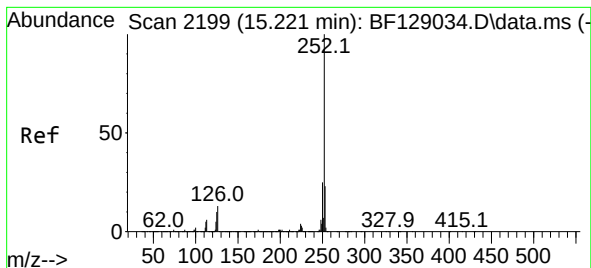


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.089 ng
RT: 17.233 min Scan# 2541
Delta R.T. -0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10



Tgt Ion:276 Resp: 355577
Ion Ratio Lower Upper
276 100
138 22.2 21.1 31.7
277 24.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 31.147 ng m

RT: 15.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129135.D

Acq: 05 Jul 2022 21:10

Instrument :

BNF

ClientSampleId :

VB16128

Tgt Ion:252 Resp: 97930

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

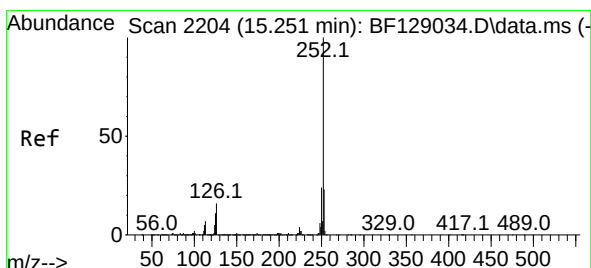
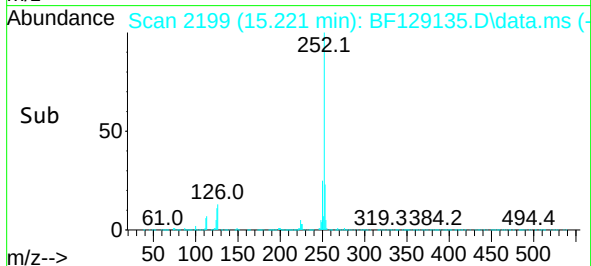
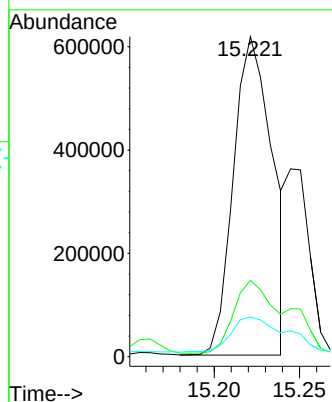
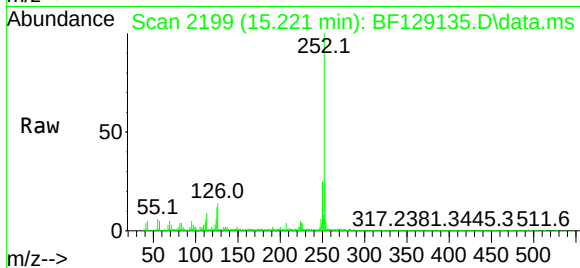
125 12.5 8.0 12.0

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Reviewed By :Christian Giraldo 07/06/2022

Supervised By :Jagrut Upadhyay 07/06/2022



#89

Benzo(k)fluoranthene

Concen: 11.064 ng m

RT: 15.245 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF129135.D

Acq: 05 Jul 2022 21:10

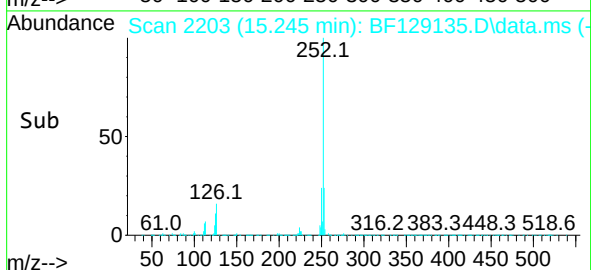
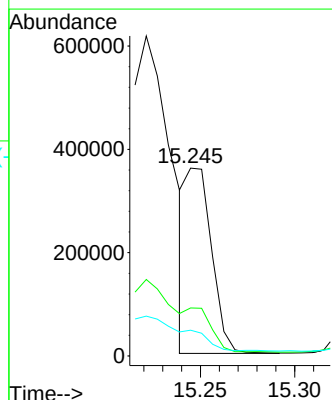
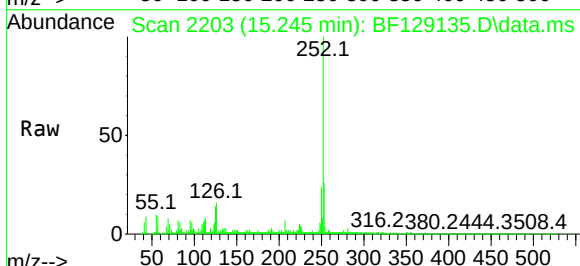
Tgt Ion:252 Resp: 337417

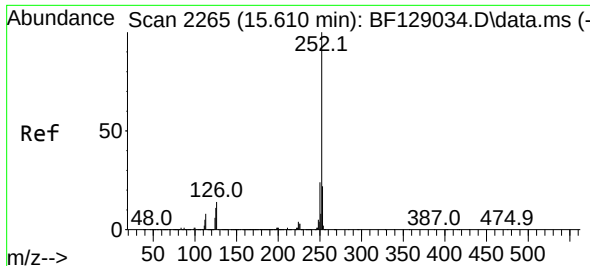
Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.6

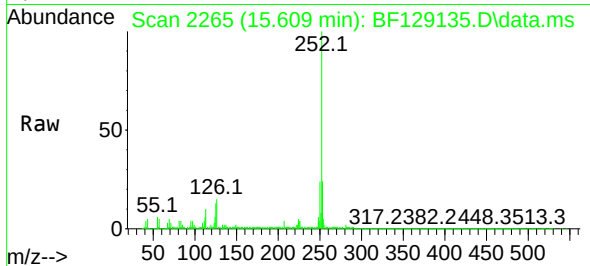
125 13.7 8.3 12.5





#90
Benzo(a)pyrene
Concen: 27.484 ng
RT: 15.609 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10

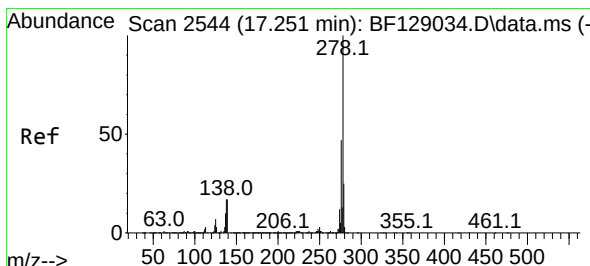
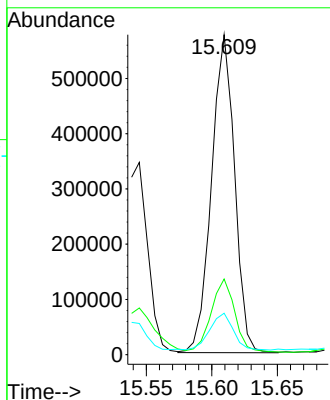
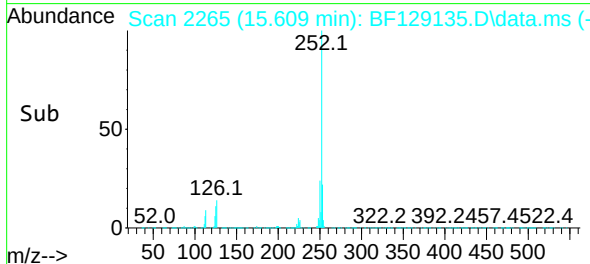
Instrument :
BNA_F
ClientSampleId :
VB16128



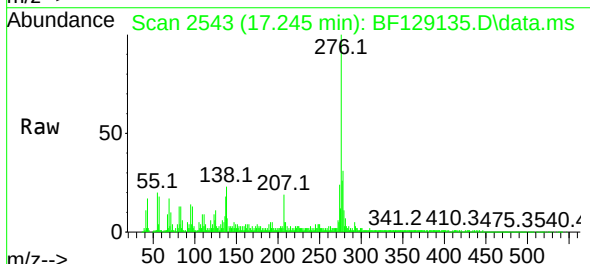
Tgt Ion:252 Resp: 70443
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 12.9 8.8 13.2

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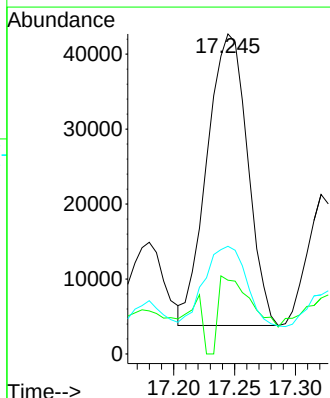
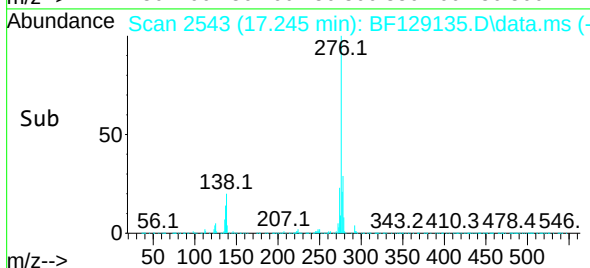
Reviewed By :Christian Giraldo 07/06/2022
Supervised By :Jagrut Upadhyay 07/06/2022

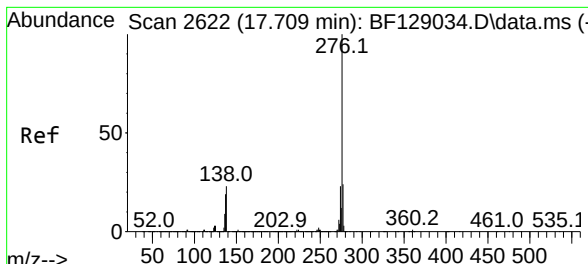


#91
Dibenzo(a,h)anthracene
Concen: 3.443 ng
RT: 17.245 min Scan# 2543
Delta R.T. -0.006 min
Lab File: BF129135.D
Acq: 05 Jul 2022 21:10



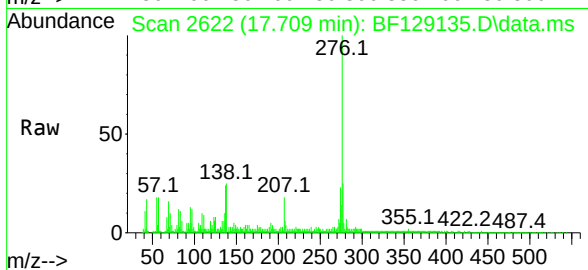
Tgt Ion:278 Resp: 89984
Ion Ratio Lower Upper
278 100
139 23.0 12.8 19.2#
279 33.6 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 12.269 ng
 RT: 17.709 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF129135.D
 Acq: 05 Jul 2022 21:10

Instrument :
 BNA_F
 ClientSampleId :
 VB16128



Tgt Ion: 276 Resp: 32175
 Ion Ratio Lower Upper
 276 100
 277 25.4 19.1 28.7
 138 25.3 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/06/2022
 Supervised By : Jagrut Upadhyay 07/06/2022

