

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129656.D
 Acq On : 09 Aug 2022 04:56
 Operator : CG\JU
 Sample : N4088-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 09 05:19:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	149488	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	519627	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	225453	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	353926	20.000	ng	#-0.01
76) Chrysene-d12	14.027	240	252321	20.000	ng	0.00
86) Perylene-d12	15.504	264	194125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	846368	92.230	ng	0.00
7) Phenol-d6	6.492	99	1010933	87.644	ng	-0.01
23) Nitrobenzene-d5	7.404	82	611028	64.191	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	194756	89.850	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	991911	68.060	ng	-0.01
79) Terphenyl-d14	12.957	244	991855	74.160	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.739	152	71309	3.528	ng	99
52) Acenaphthene	9.910	154	51283	3.885	ng	94
55) Dibenzofuran	10.086	168	55145	3.030	ng	99
58) Fluorene	10.428	166	88127	6.053	ng	98
71) Phenanthrene	11.398	178	1174460	60.790	ng	99
72) Anthracene	11.445	178	399956	21.066	ng	99
73) Carbazole	11.604	167	121359	6.790	ng	99
75) Fluoranthene	12.598	202	2453251	125.323	ng	98
78) Pyrene	12.827	202	2195879	104.071	ng	99
81) Benzo(a)anthracene	14.015	228	1160691	67.341	ng	97
83) Chrysene	14.057	228	915042	56.330	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	412640m	31.565	ng	
88) Benzo(b)fluoranthene	15.074	252	1061592m	82.442	ng	
89) Benzo(k)fluoranthene	15.098	252	322386m	25.548	ng	
90) Benzo(a)pyrene	15.445	252	700756	67.038	ng	96
91) Dibenzo(a,h)anthracene	16.998	278	111041	10.436	ng	# 77
92) Benzo(g,h,i)perylene	17.451	276	378989	34.859	ng	99

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

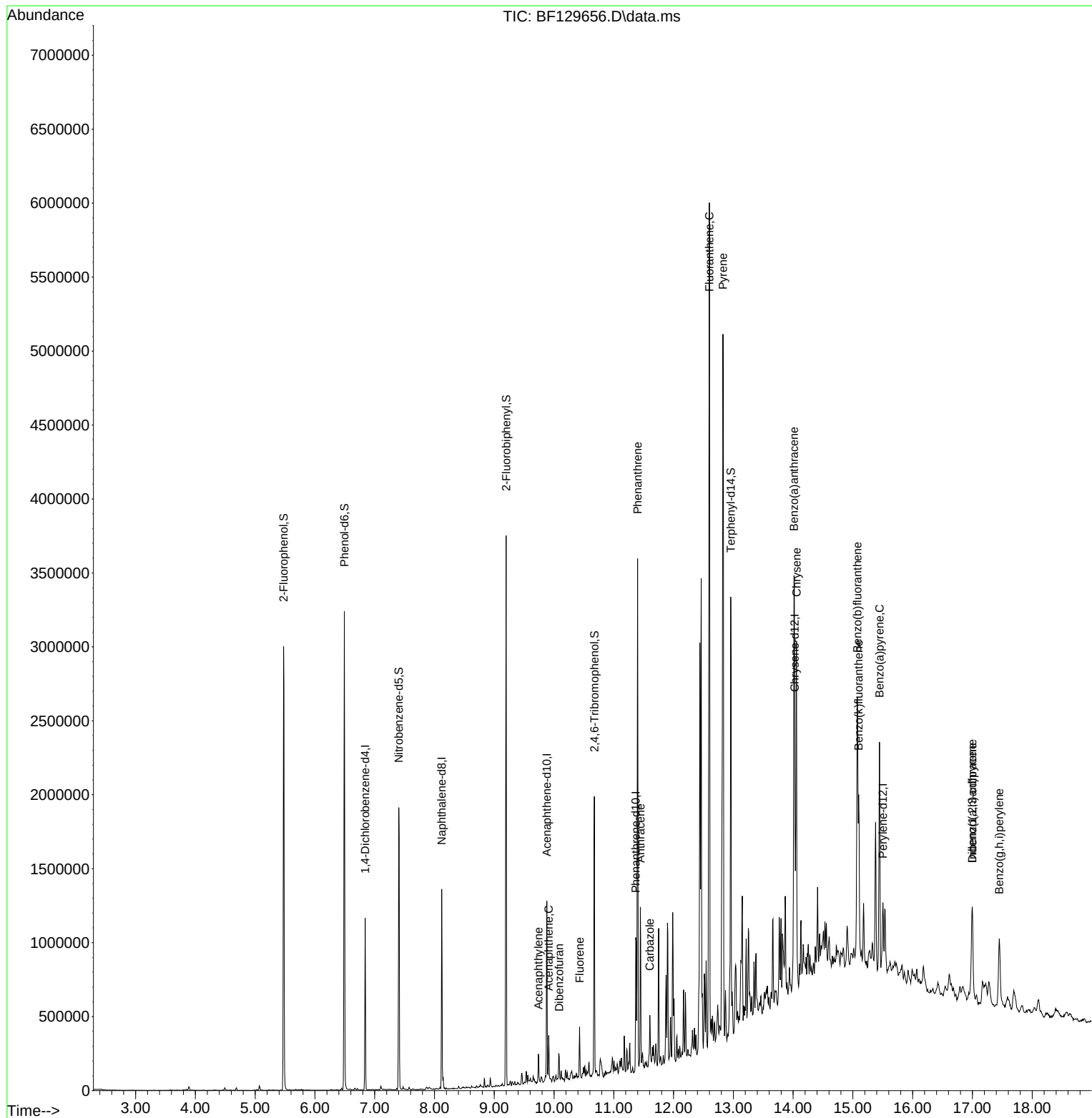
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
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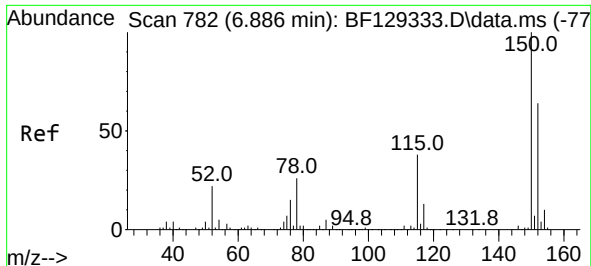
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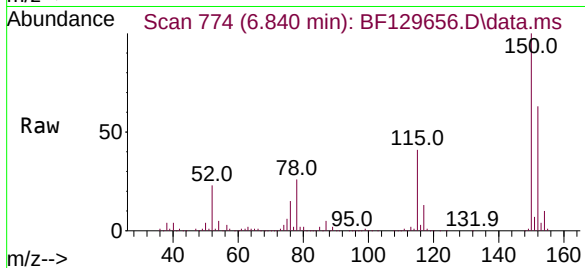
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

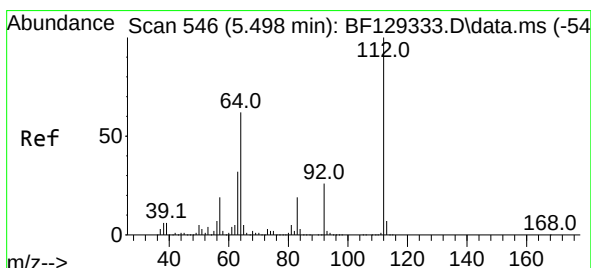
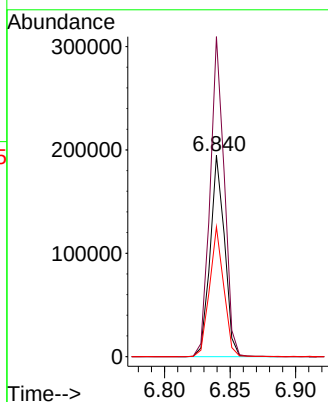
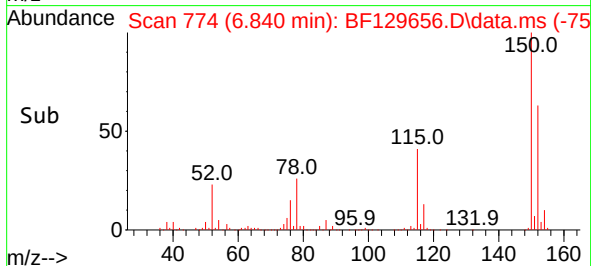
Instrument :
BNA_F
ClientSampleId :
PL-02-080522



Tgt Ion:152 Resp: 149488
Ion Ratio Lower Upper
152 100
150 159.0 123.7 185.5
115 64.5 49.9 74.9

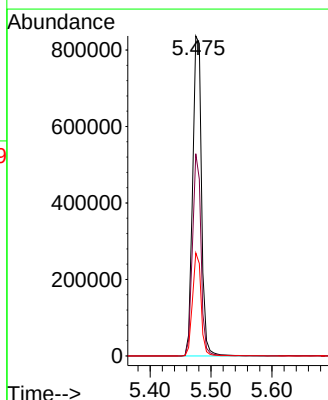
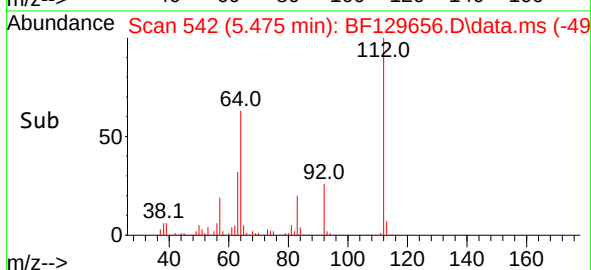
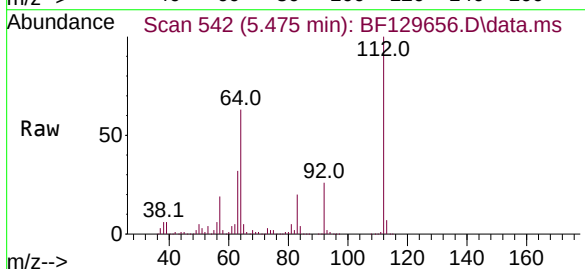
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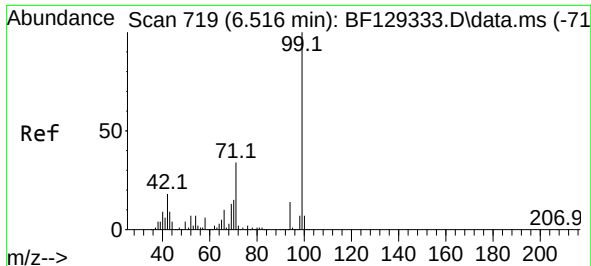
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 92.230 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.006 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

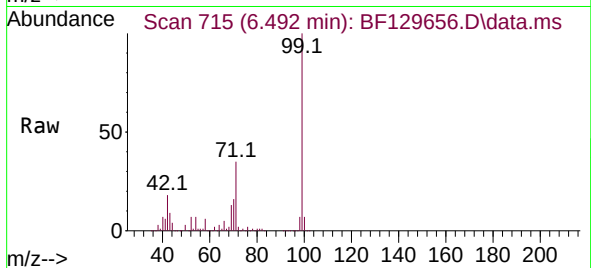
Tgt Ion:112 Resp: 846368
Ion Ratio Lower Upper
112 100
64 63.2 53.3 79.9
63 32.2 28.0 42.0





#7
Phenol-d6
Concen: 87.644 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

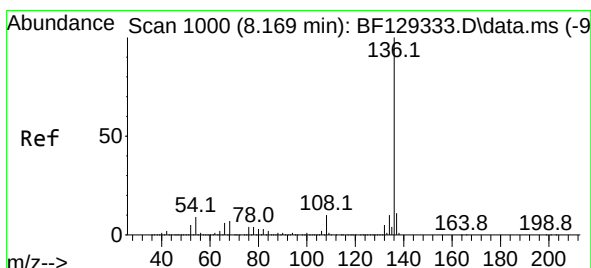
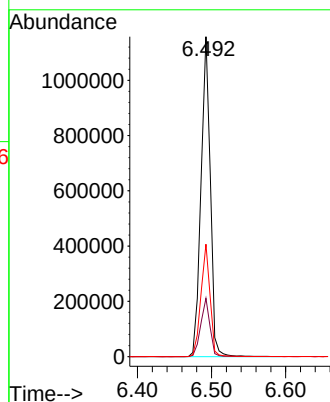
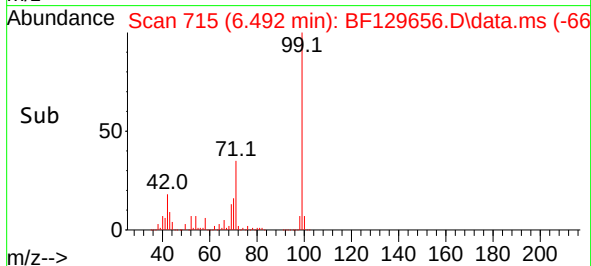
Instrument :
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ClientSampleId :
PL-02-080522



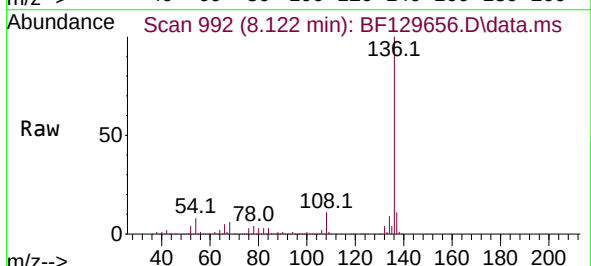
Tgt Ion: 99 Resp: 1010933
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 35.1 28.9 43.3

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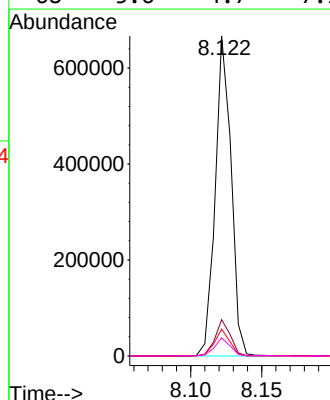
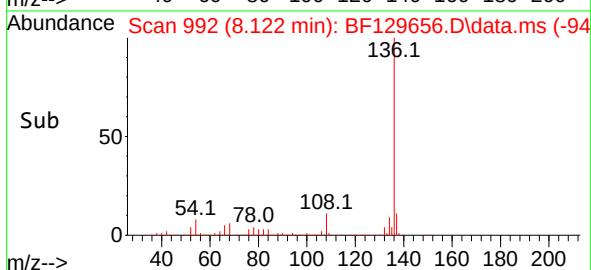
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

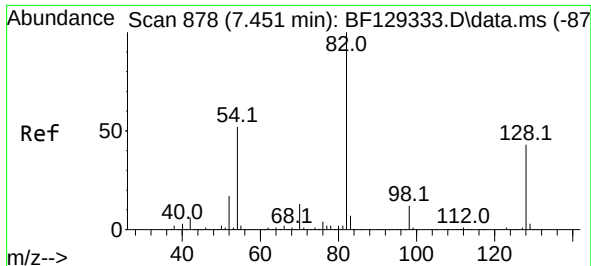


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56



Tgt Ion:136 Resp: 519627
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.4 7.5 11.3
68 5.6 4.7 7.1





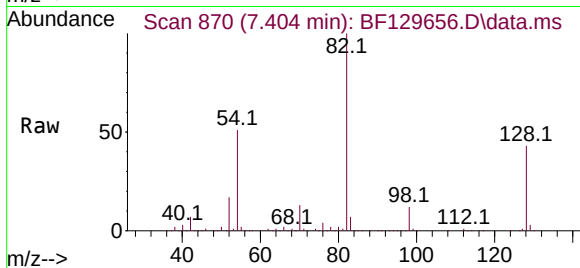
#23
Nitrobenzene-d5
Concen: 64.191 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

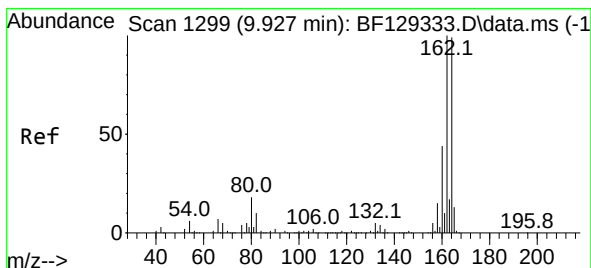
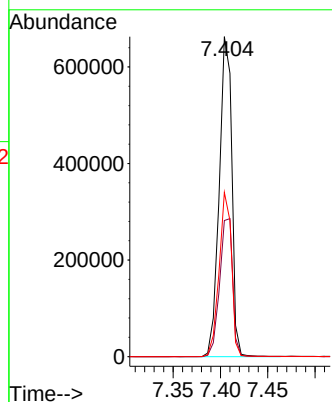
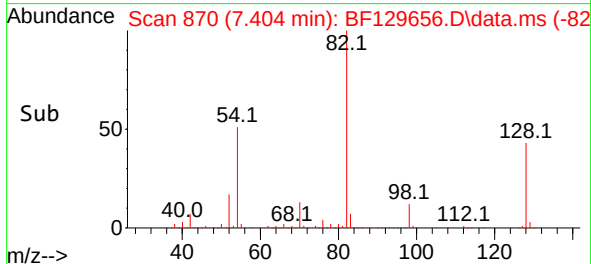


Tgt Ion: 82 Resp: 611028
Ion Ratio Lower Upper
82 100
128 42.5 34.0 51.0
54 51.4 46.9 70.3

Manual Integrations

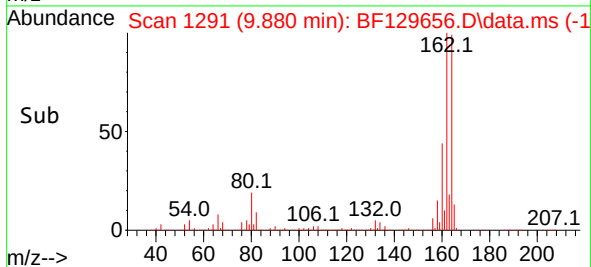
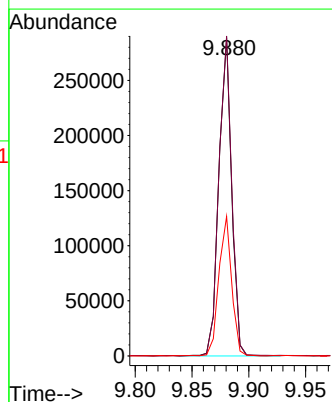
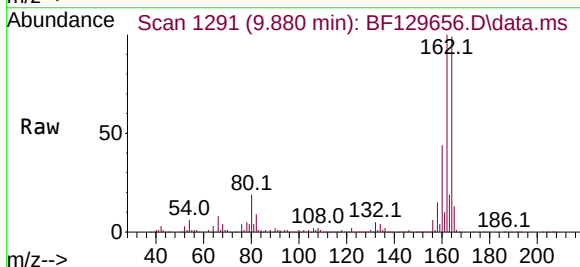
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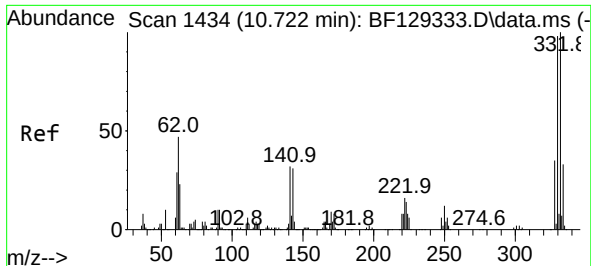
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:164 Resp: 225453
Ion Ratio Lower Upper
164 100
162 100.5 79.5 119.3
160 43.8 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 89.850 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

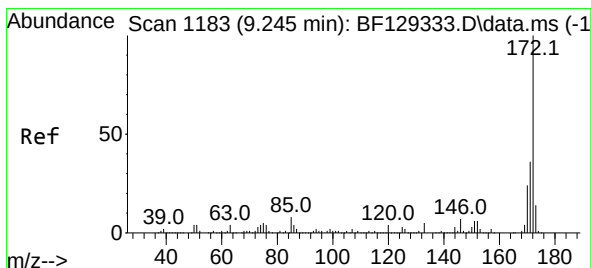
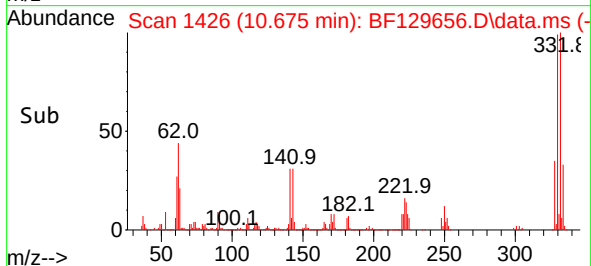
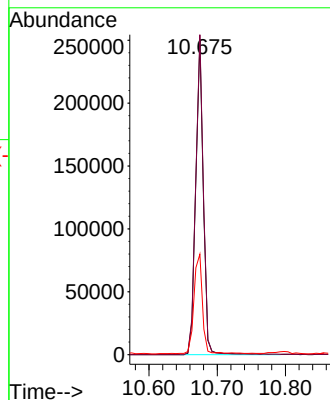
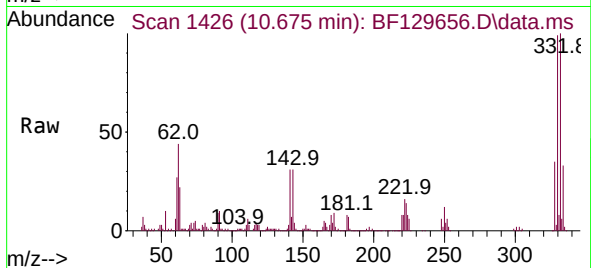
PL-02-080522

Tgt Ion:330 Resp: 194756
Ion Ratio Lower Upper
330 100
332 102.3 76.8 115.2
141 34.6 28.0 42.0

Manual Integrations

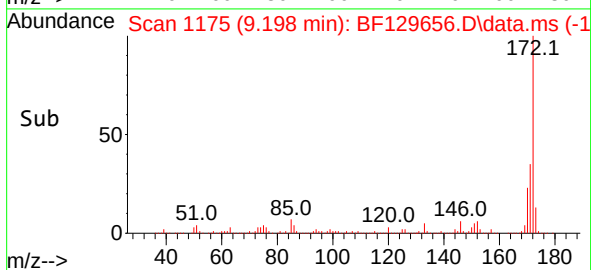
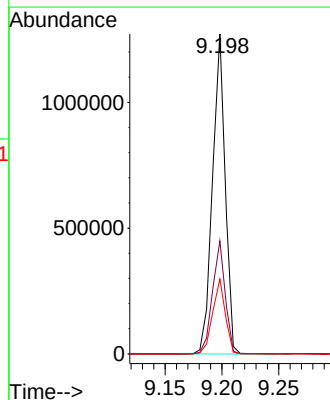
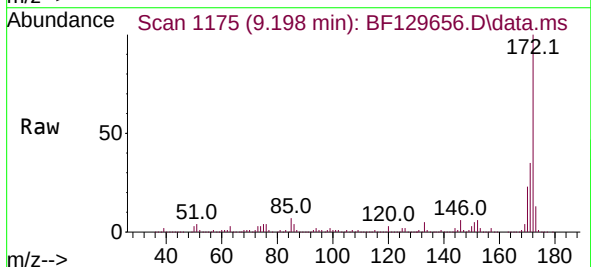
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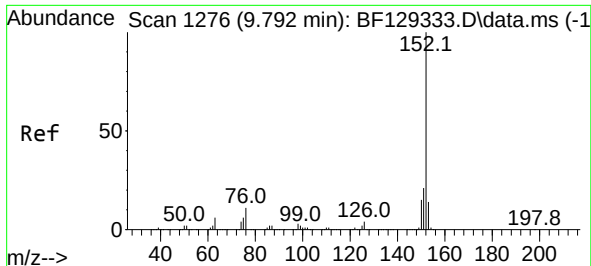
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#45
2-Fluorobiphenyl
Concen: 68.060 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:172 Resp: 991911
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.5 19.8 29.8





#49

Acenaphthylene

Concen: 3.528 ng

RT: 9.739 min Scan# 1267

Delta R.T. -0.018 min

Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

Tgt Ion:152 Resp: 71309

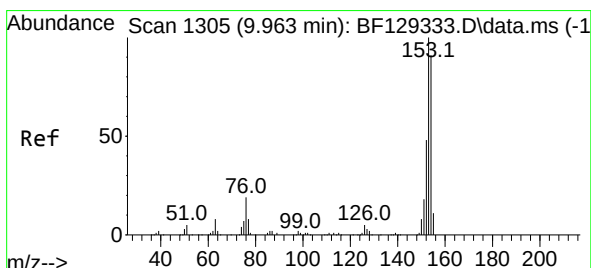
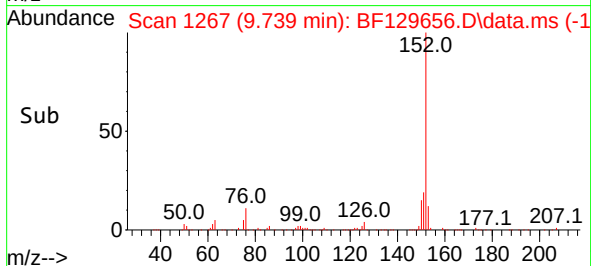
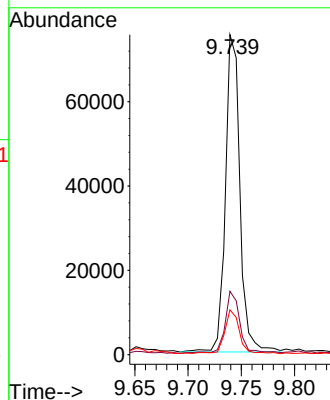
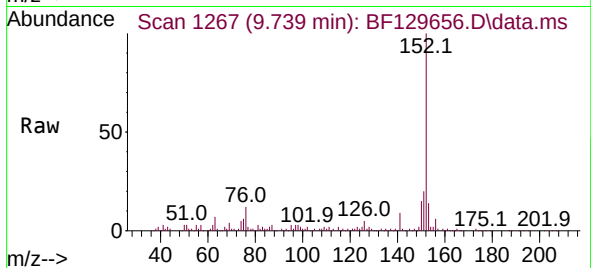
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.4
153	14.0	10.7	16.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/09/2022



#52

Acenaphthene

Concen: 3.885 ng

RT: 9.910 min Scan# 1296

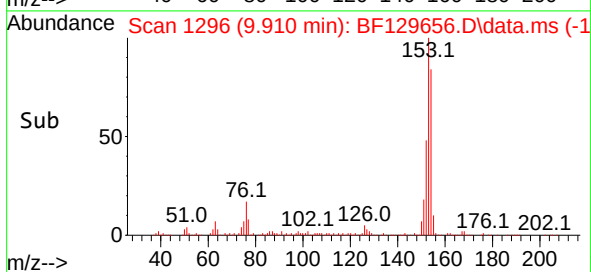
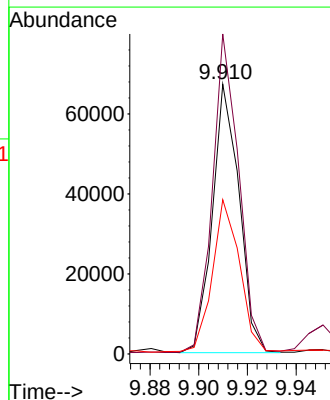
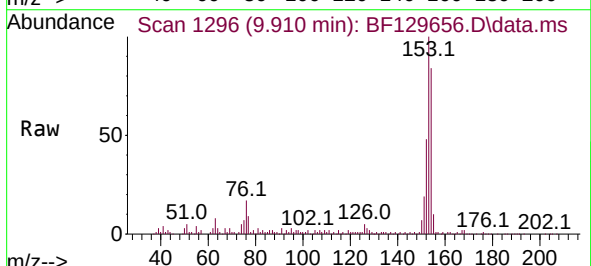
Delta R.T. -0.018 min

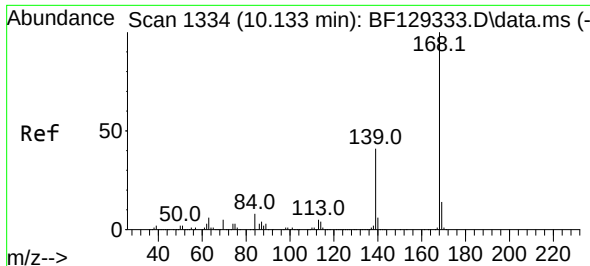
Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

Tgt Ion:154 Resp: 51283

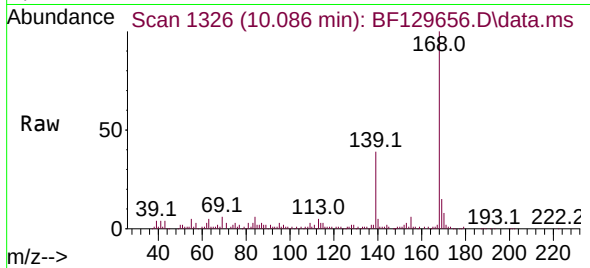
Ion	Ratio	Lower	Upper
154	100		
153	118.7	89.6	134.4
152	57.1	42.4	63.6





#55
Dibenzenofuran
Concen: 3.030 ng
RT: 10.086 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

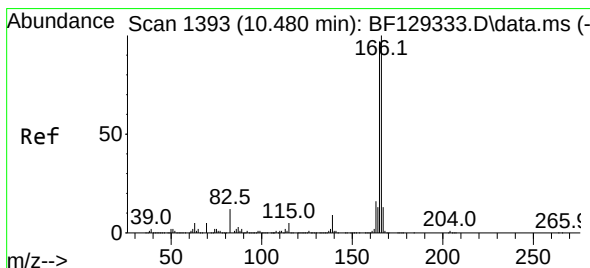
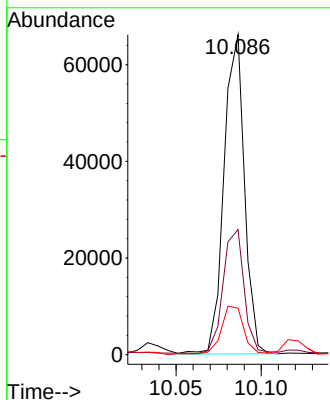
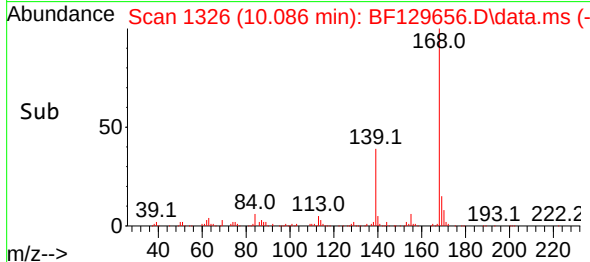
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Tgt Ion:168 Resp: 55145
Ion Ratio Lower Upper
168 100
139 39.1 30.6 46.0
169 14.5 11.0 16.6

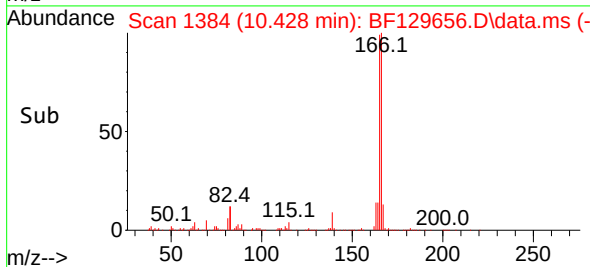
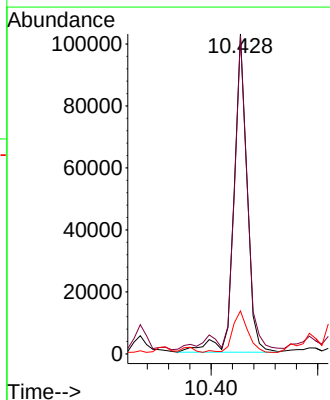
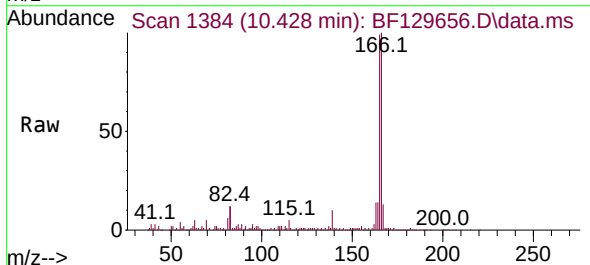
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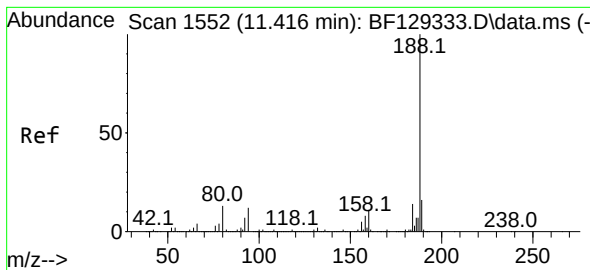
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#58
Fluorene
Concen: 6.053 ng
RT: 10.428 min Scan# 1384
Delta R.T. -0.018 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:166 Resp: 88127
Ion Ratio Lower Upper
166 100
165 99.3 78.1 117.1
167 13.4 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

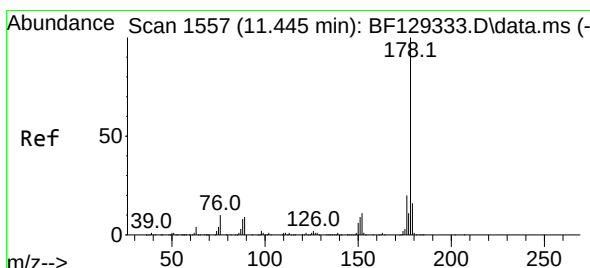
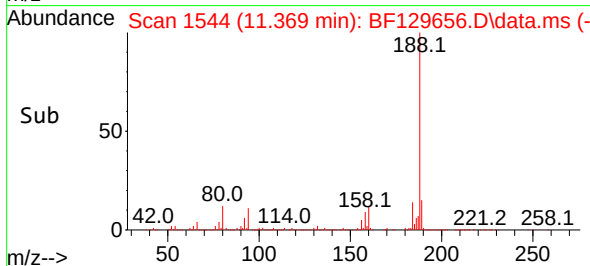
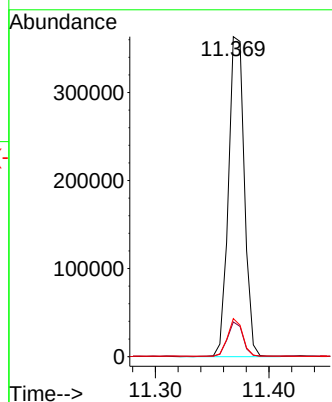
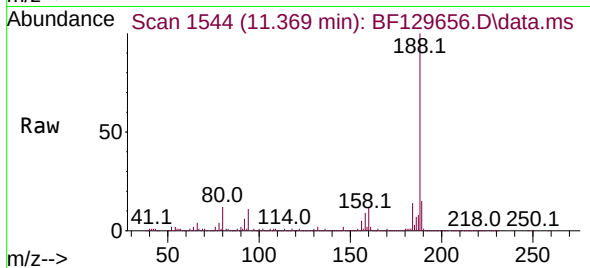
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Tgt Ion:188 Resp: 353926
Ion Ratio Lower Upper
188 100
94 10.8 7.0 10.6
80 11.9 7.6 11.4

Manual Integrations

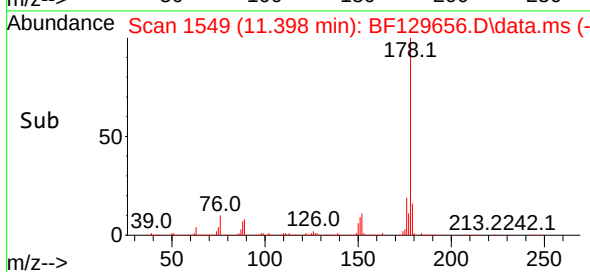
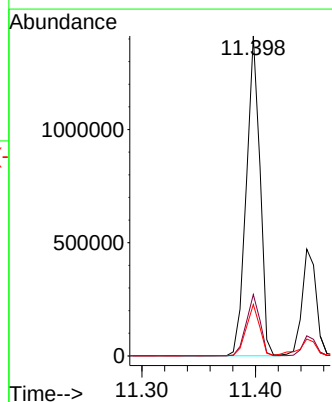
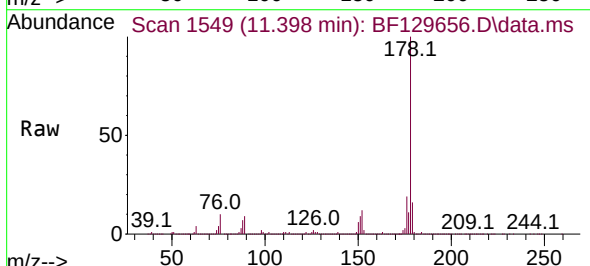
APPROVED

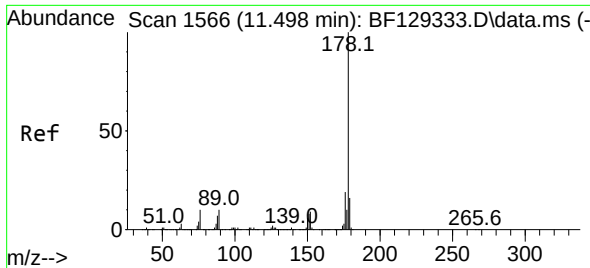
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#71
Phenanthrene
Concen: 60.790 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:178 Resp: 1174460
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 16.1 12.6 19.0





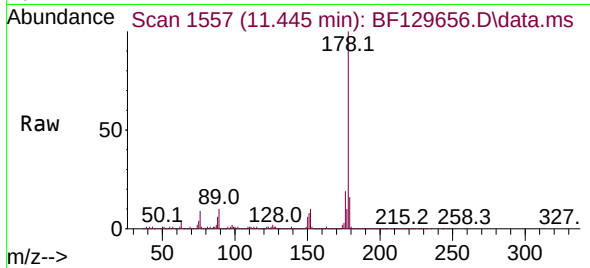
#72
 Anthracene
 Concen: 21.066 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129656.D
 Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

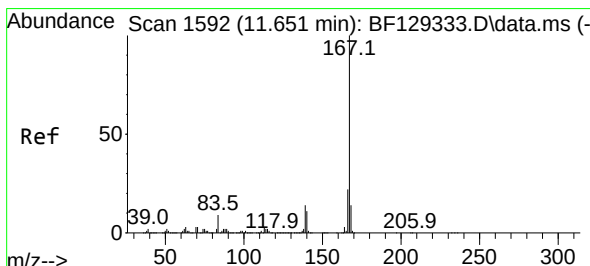
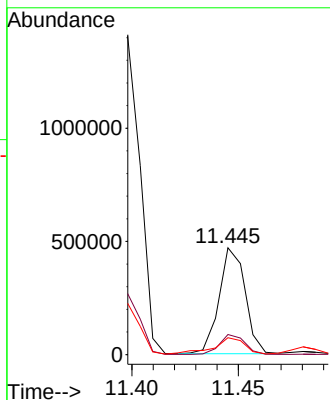
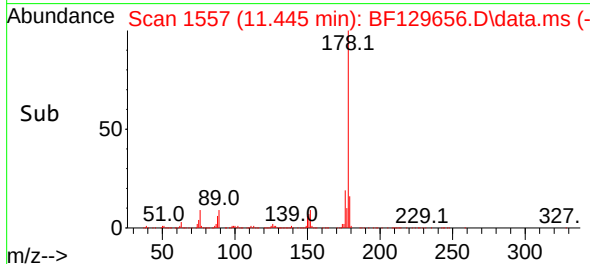


Tgt Ion:178 Resp: 399956
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.8 12.6 19.0

Manual Integrations

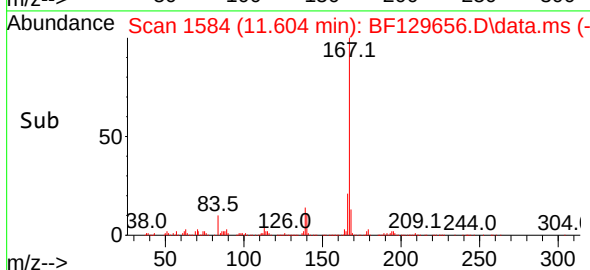
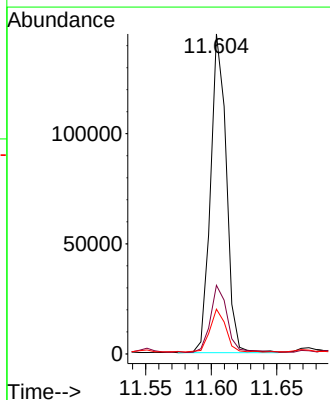
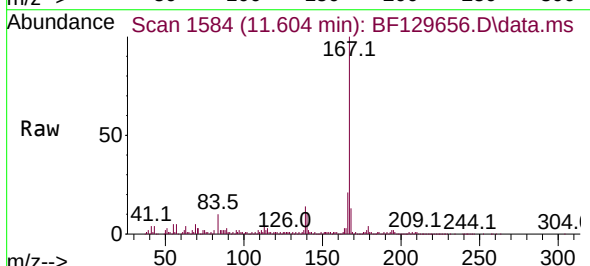
APPROVED

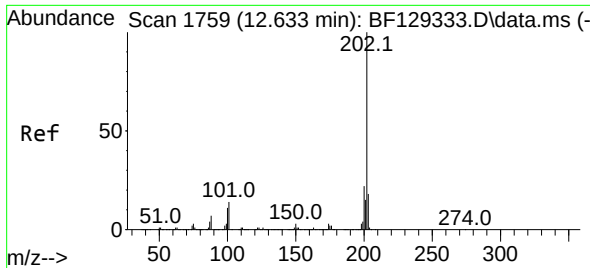
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022



#73
 Carbazole
 Concen: 6.790 ng
 RT: 11.604 min Scan# 1584
 Delta R.T. -0.012 min
 Lab File: BF129656.D
 Acq: 09 Aug 2022 04:56

Tgt Ion:167 Resp: 121359
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.7 26.5
 139 14.0 11.2 16.8





#75
Fluoranthene
Concen: 125.323 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

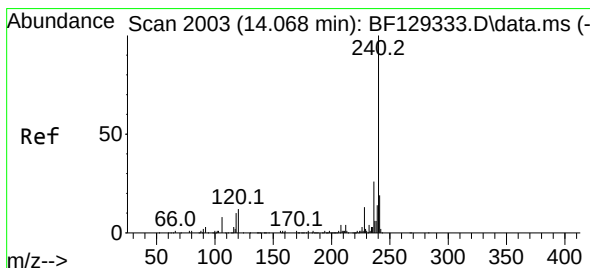
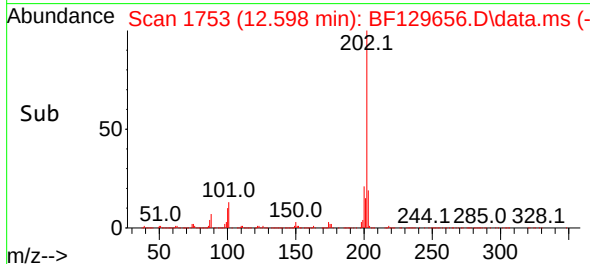
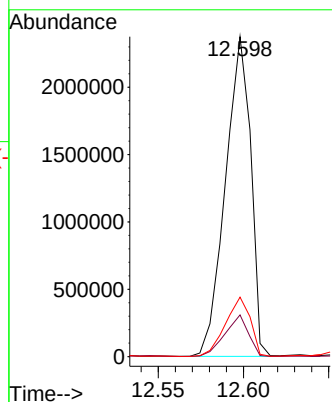
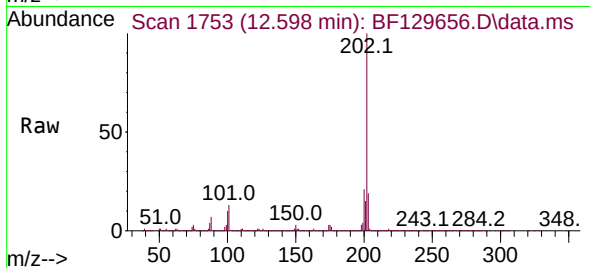
PL-02-080522

Tgt Ion:202 Resp: 245325
Ion Ratio Lower Upper
202 100
101 13.0 0.0 31.4
203 18.6 0.0 38.0

Manual Integrations

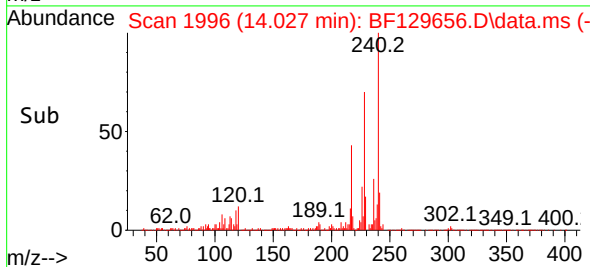
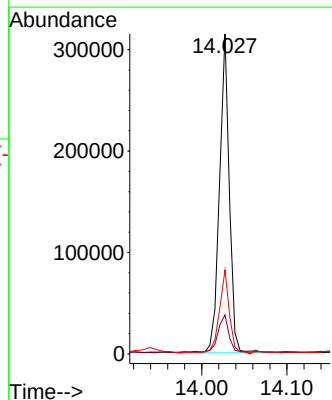
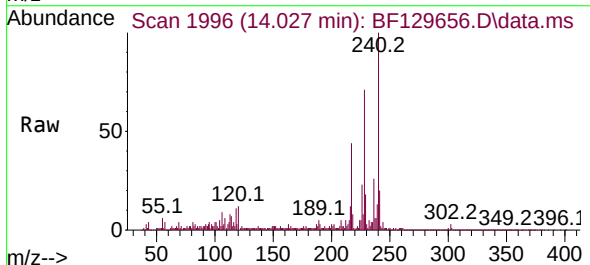
APPROVED

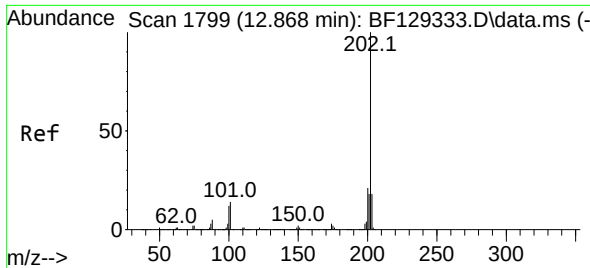
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:240 Resp: 252321
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 26.2 20.8 31.2





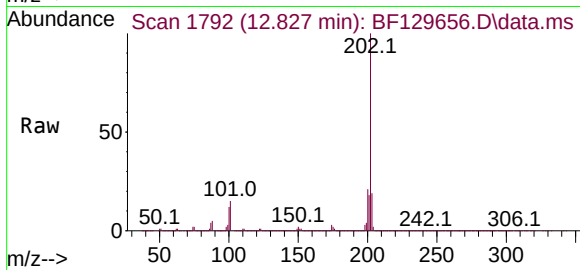
#78
Pyrene
Concen: 104.071 ng
RT: 12.827 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

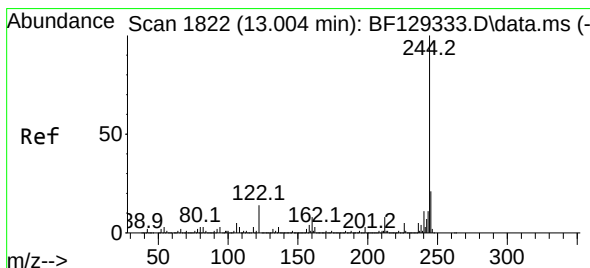
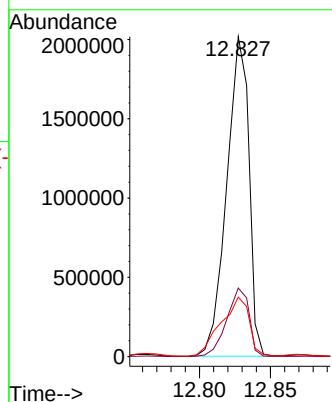
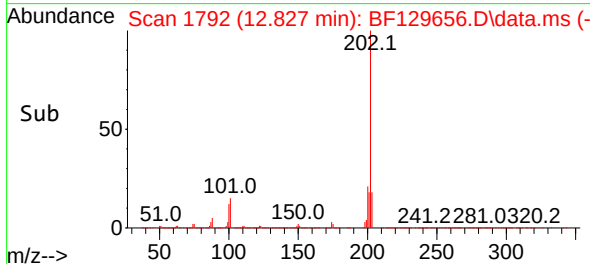


Tgt Ion:202 Resp: 2195879
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 18.6 14.6 21.8

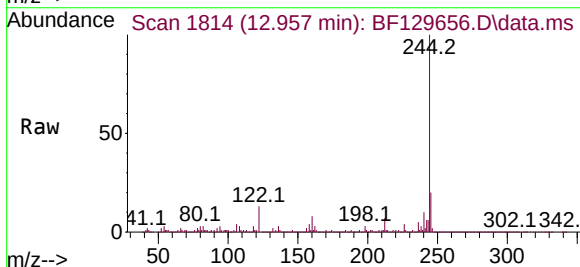
Manual Integrations

APPROVED

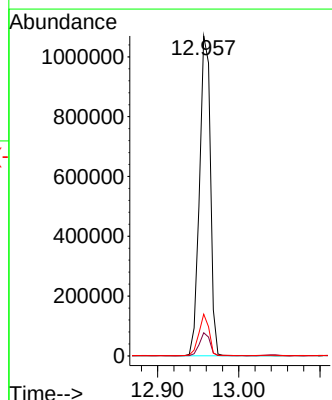
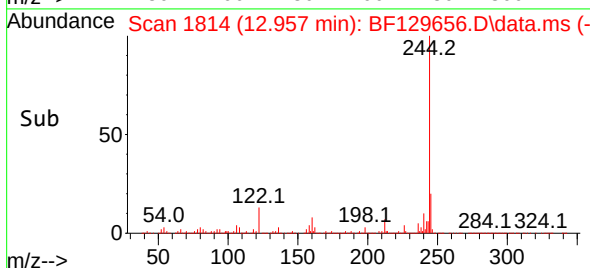
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

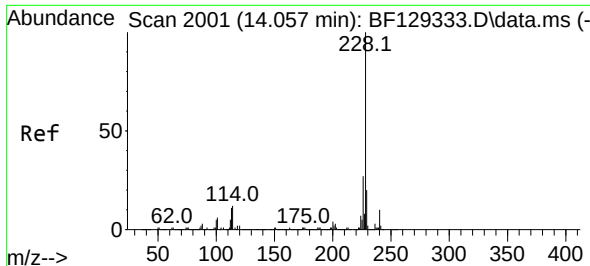


#79
Terphenyl-d14
Concen: 74.160 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56



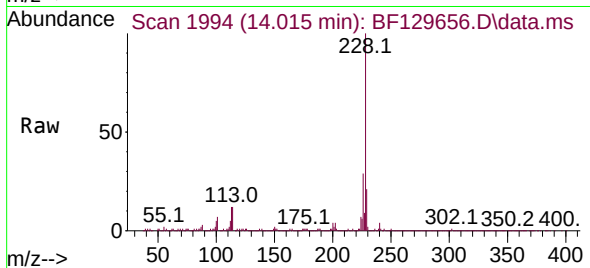
Tgt Ion:244 Resp: 991855
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 13.0 8.8 13.2





#81
Benzo(a)anthracene
Concen: 67.341 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

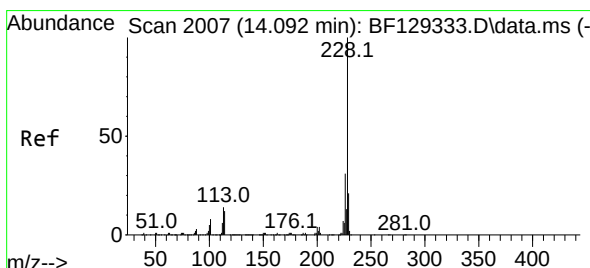
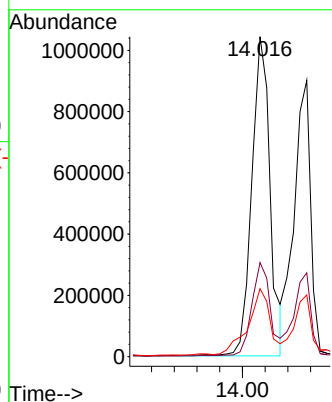
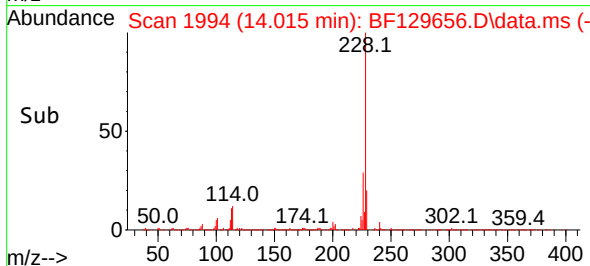
Instrument :
BNA_F
ClientSampleId :
PL-02-080522



Tgt Ion:228 Resp: 1160691
Ion Ratio Lower Upper
228 100
226 29.4 22.1 33.1
229 21.2 15.8 23.8

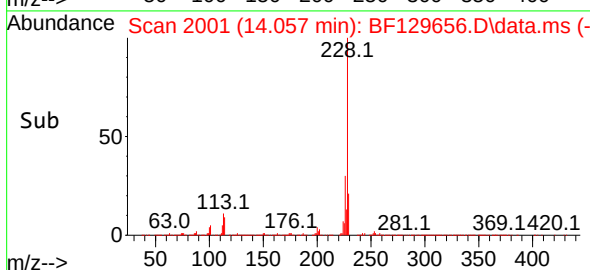
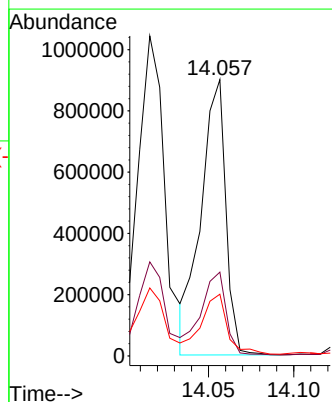
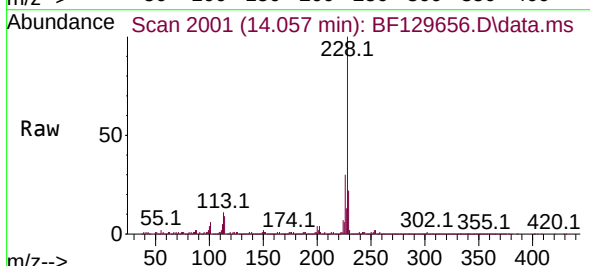
Manual Integrations
APPROVED

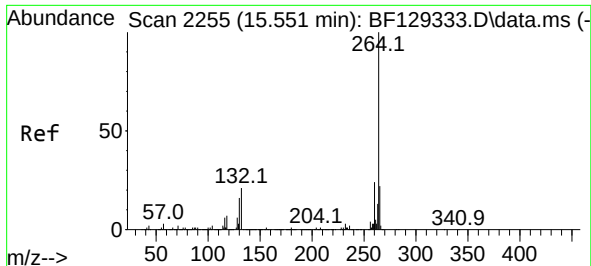
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#83
Chrysene
Concen: 56.330 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:228 Resp: 915042
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 22.3 15.9 23.9





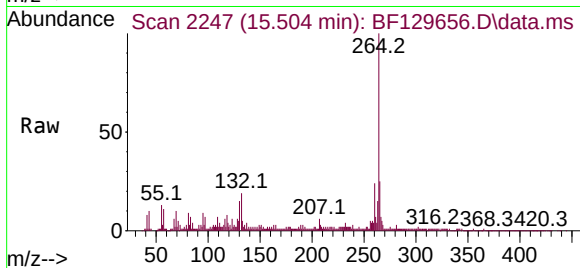
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

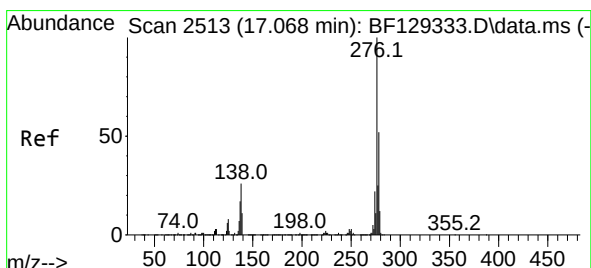
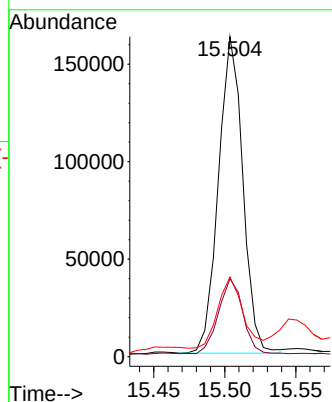
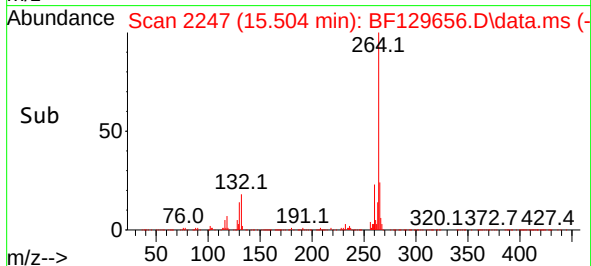


Tgt Ion:264 Resp: 194125
Ion Ratio Lower Upper
264 100
260 24.4 18.4 27.6
265 24.9 17.2 25.8

Manual Integrations

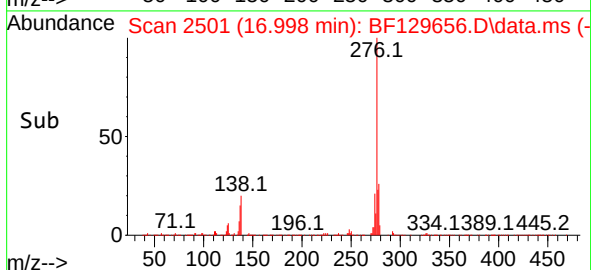
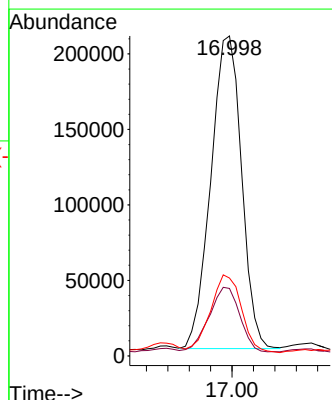
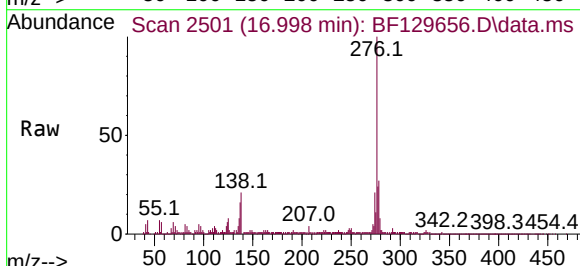
APPROVED

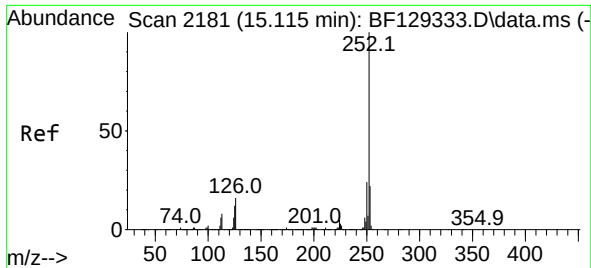
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 31.565 ng m
RT: 16.998 min Scan# 2501
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:276 Resp: 412640
Ion Ratio Lower Upper
276 100
138 4.6 21.1 31.7#
277 5.1 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 82.442 ng m
RT: 15.074 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :

BNF_F

ClientSampleId :

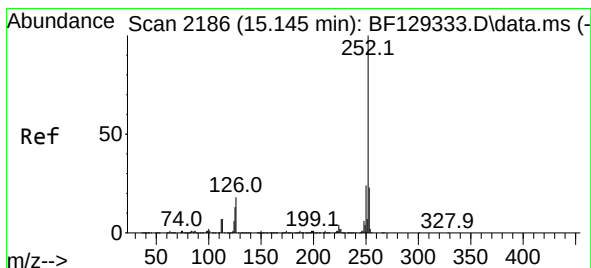
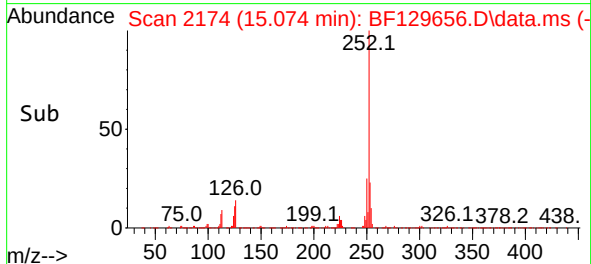
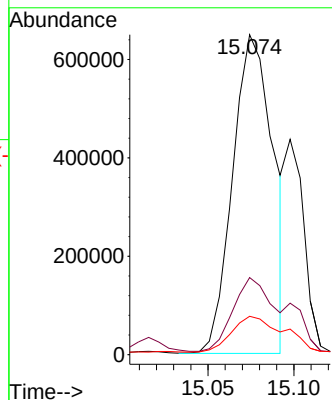
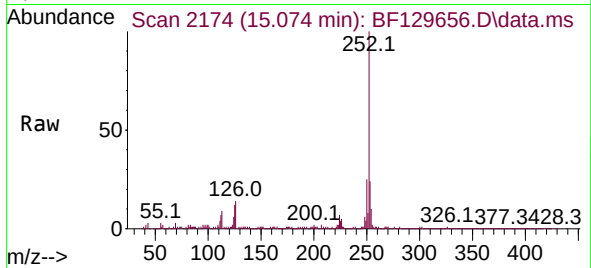
PL-02-080522

Tgt Ion:252 Resp: 1061592
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 12.0 8.0 12.0

Manual Integrations

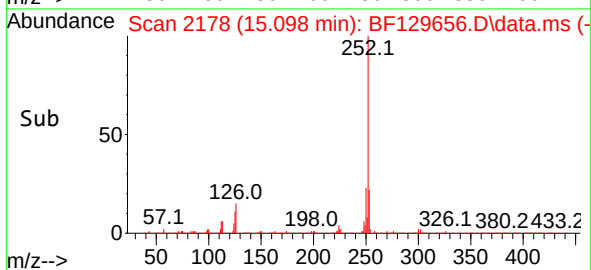
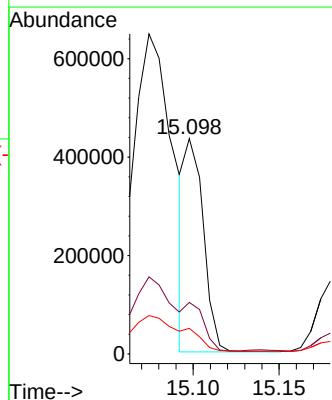
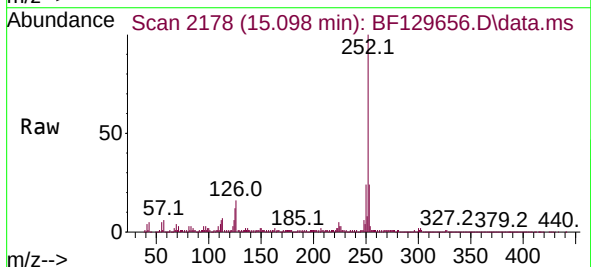
APPROVED

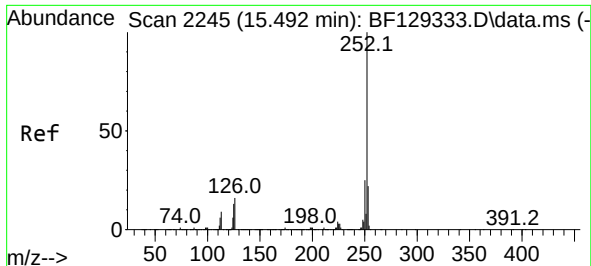
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#89
Benzo(k)fluoranthene
Concen: 25.548 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:252 Resp: 322386
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 11.8 8.3 12.5





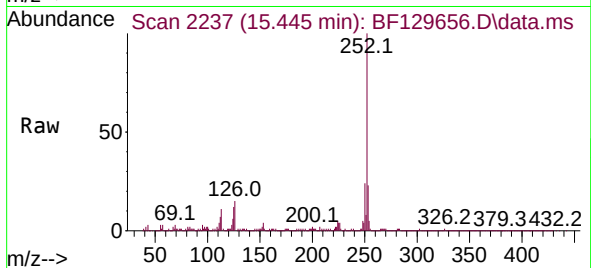
#90
Benzo(a)pyrene
Concen: 67.038 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

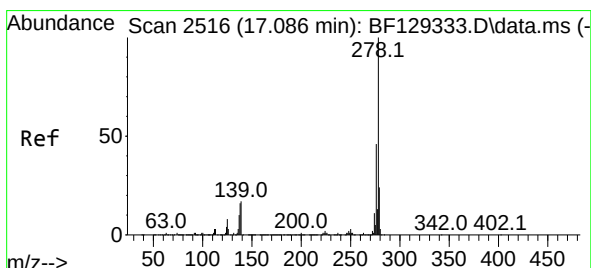
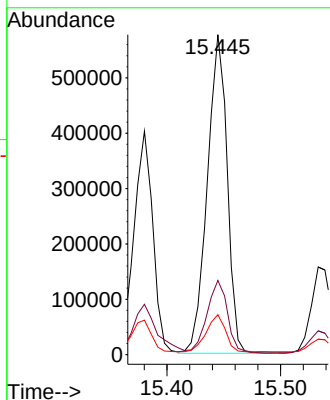
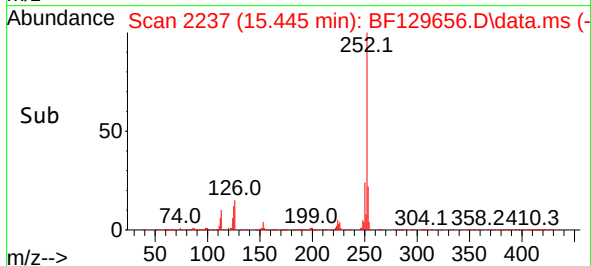


Tgt Ion:252 Resp: 700756
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 12.5 8.8 13.2

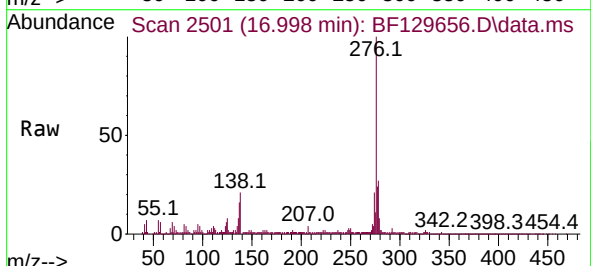
Manual Integrations

APPROVED

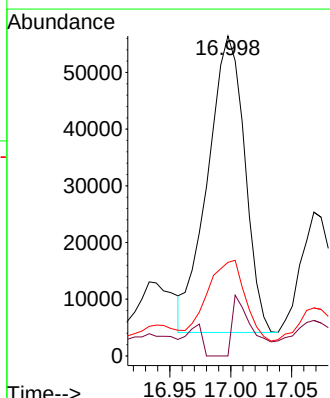
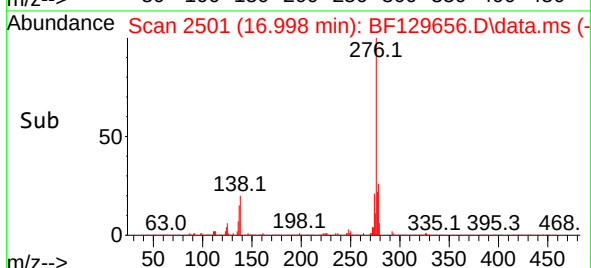
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

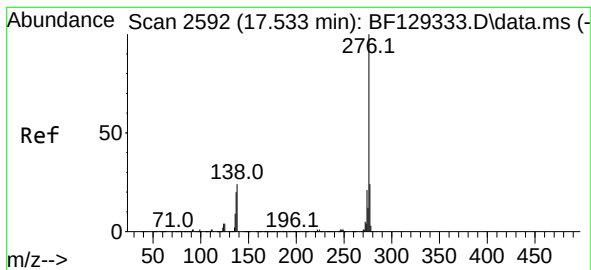


#91
Dibenzo(a,h)anthracene
Concen: 10.436 ng
RT: 16.998 min Scan# 2501
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56



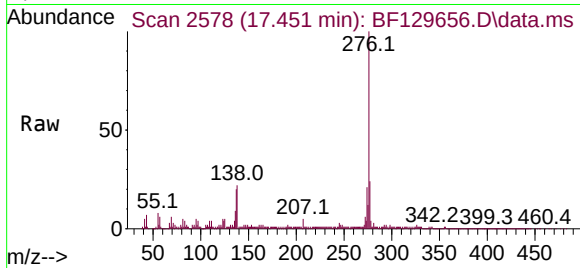
Tgt Ion:278 Resp: 111041
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 29.2 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 34.859 ng
RT: 17.451 min Scan# 2578
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :
BNA_F
ClientSampleId :
PL-02-080522



Tgt Ion: 276 Resp: 378989
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 21.9 18.0 27.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022

