

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129633.D
 Acq On : 08 Aug 2022 15:20
 Operator : CG\JU
 Sample : N4054-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080422DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 15:43:31 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	6.839	152	185507	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	711452	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	343263	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	497718	20.000	ng	0.00
76) Chrysene-d12	14.027	240	367788	20.000	ng	0.00
86) Perylene-d12	15.504	264	279631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	171805	15.087	ng	-0.01
7) Phenol-d6	6.487	99	216649	15.136	ng	-0.02
23) Nitrobenzene-d5	7.404	82	126365	9.696	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	42403	12.849	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	239032	10.772	ng	-0.01
79) Terphenyl-d14	12.957	244	217450	11.154	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.916	154	45930	2.285	ng	99
58) Fluorene	10.427	166	65608	2.960	ng	99
71) Phenanthrene	11.398	178	501252	18.449	ng	98
72) Anthracene	11.451	178	165294	6.191	ng	97
75) Fluoranthene	12.592	202	1118852	40.643	ng	98
78) Pyrene	12.827	202	1054782	34.296	ng	98
81) Benzo(a)anthracene	14.015	228	514770	20.490	ng	97
83) Chrysene	14.051	228	447370	18.894	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	195540	10.384	ng	# 94
88) Benzo(b)fluoranthene	15.068	252	513760m	27.698	ng	
89) Benzo(k)fluoranthene	15.092	252	163908m	9.017	ng	
90) Benzo(a)pyrene	15.439	252	339069	22.518	ng	96
91) Dibenzo(a,h)anthracene	16.992	278	50047	3.265	ng	# 77
92) Benzo(g,h,i)perylene	17.445	276	184182	11.761	ng	100

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

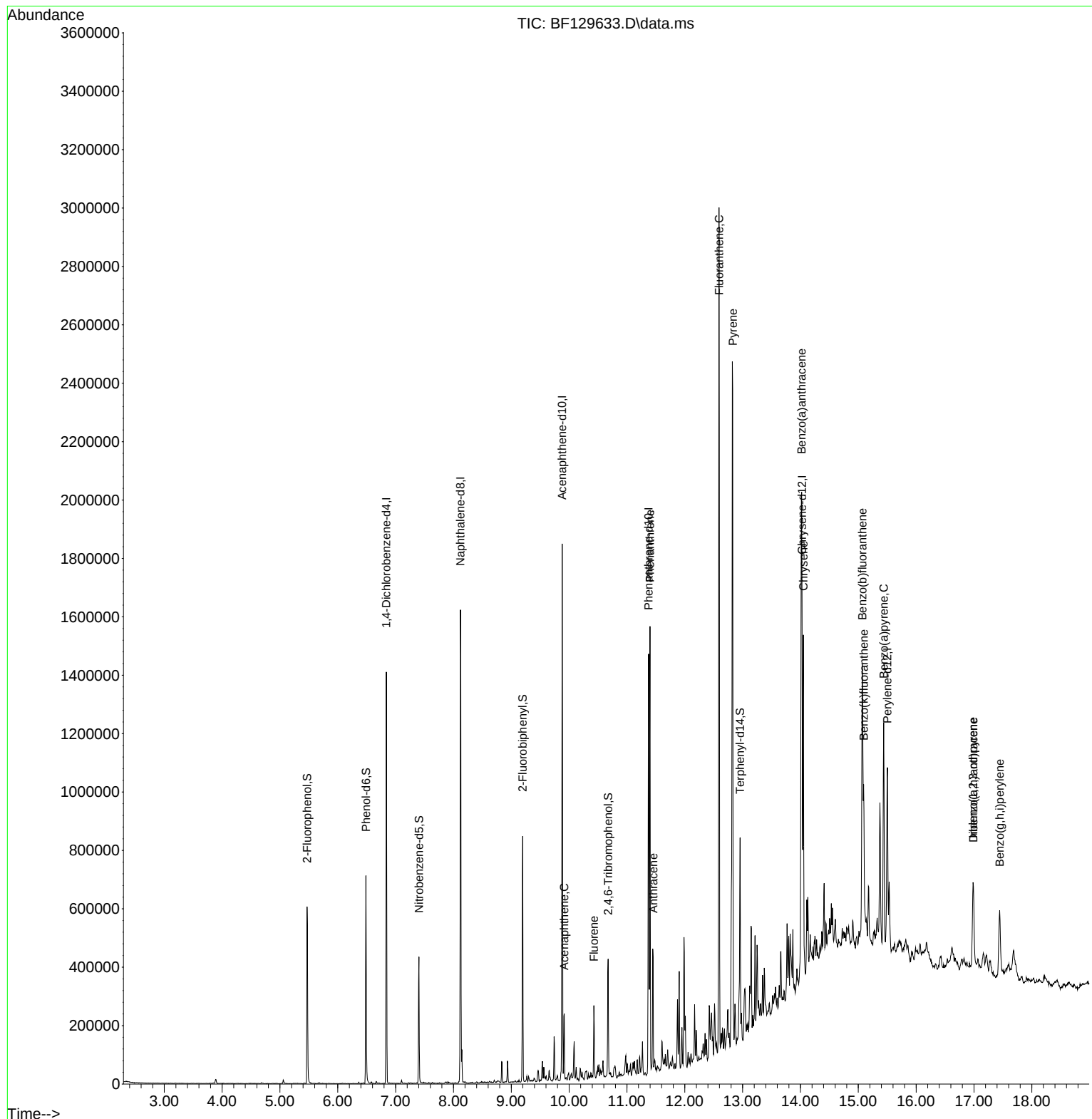
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
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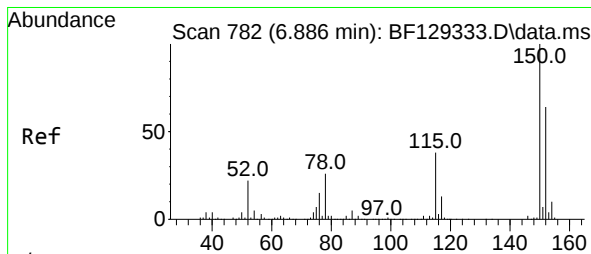
Instrument :
BNA_F
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OR-02-080422DL

Quant Time: Aug 08 15:43:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
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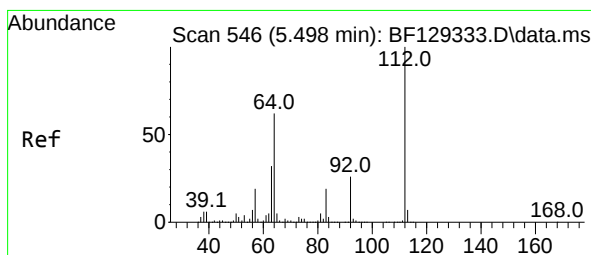
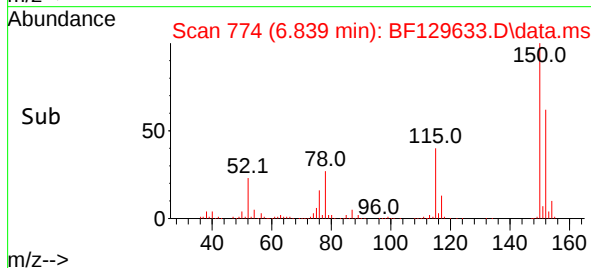
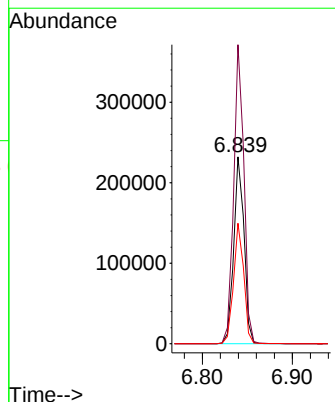
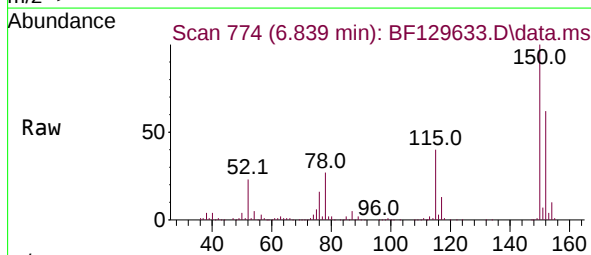
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL

Tgt Ion:152 Resp: 18556
Ion Ratio Lower Upper
152 100
150 160.0 123.7 185.5
115 64.5 49.9 74.9

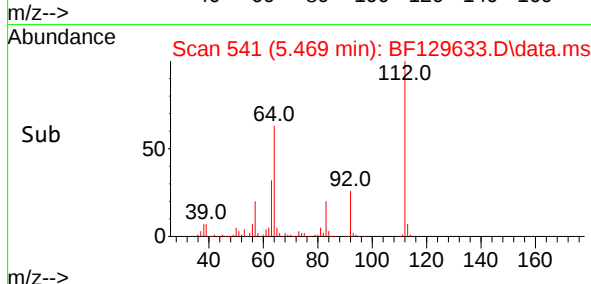
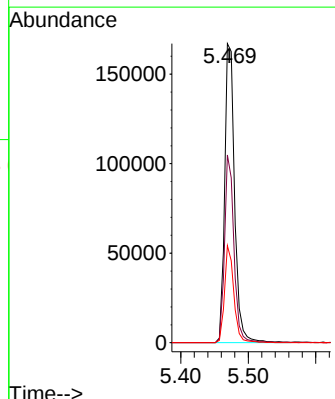
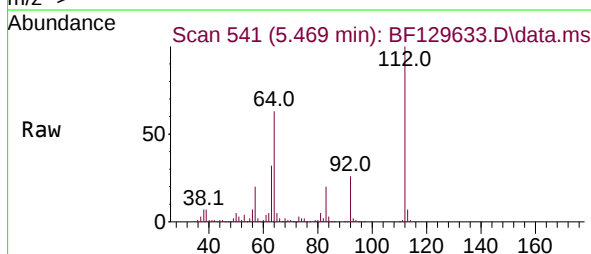
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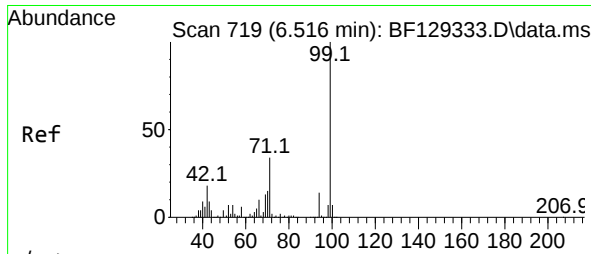
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 15.087 ng
RT: 5.469 min Scan# 541
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

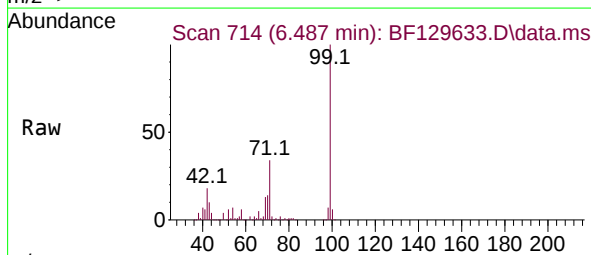
Tgt Ion:112 Resp: 171805
Ion Ratio Lower Upper
112 100
64 62.7 53.3 79.9
63 32.5 28.0 42.0





#7
Phenol-d6
Concen: 15.136 ng
RT: 6.487 min Scan# 719
Delta R.T. -0.018 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

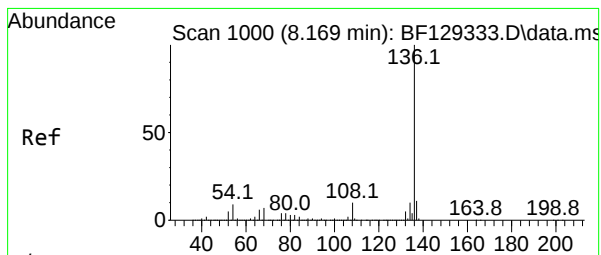
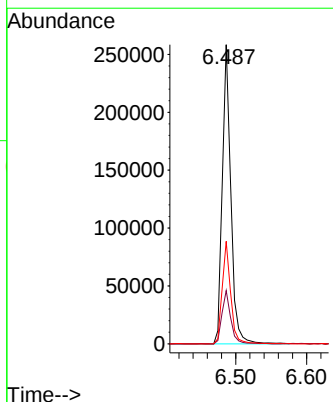
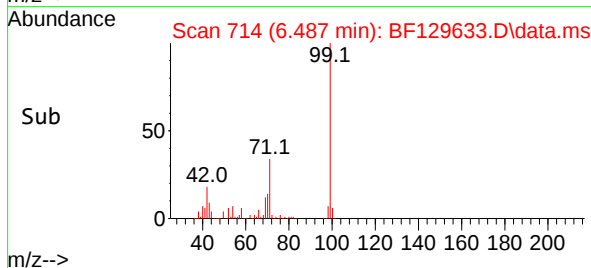
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL



Tgt Ion:	99	Resp:	21664
Ion	Ratio	Lower	Upper
99	100		
42	17.8	17.3	25.9
71	34.3	28.9	43.3

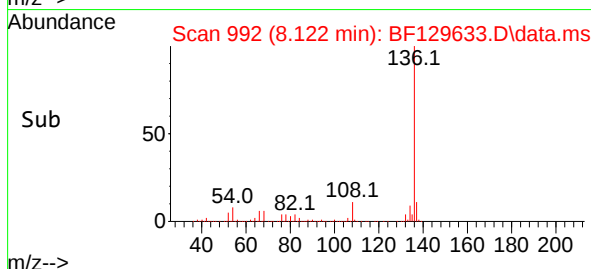
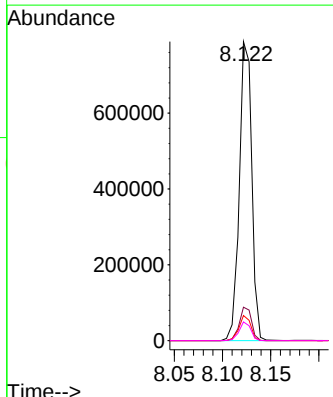
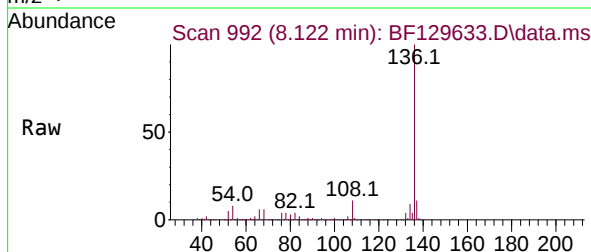
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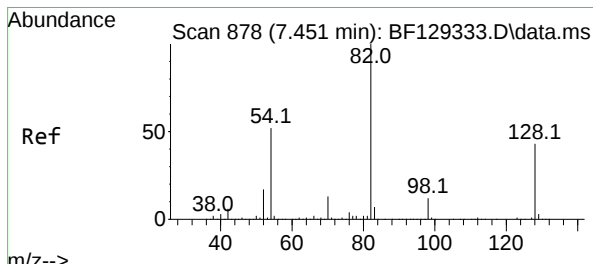
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

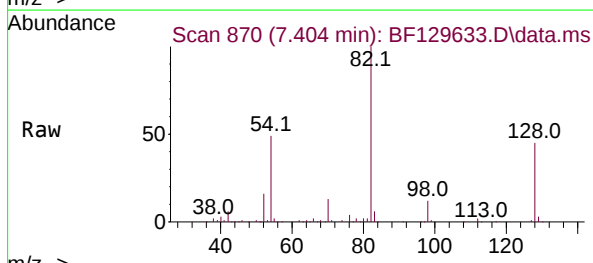
Tgt Ion:	136	Resp:	711452
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.4	7.5	11.3
68	6.3	4.7	7.1





#23
Nitrobenzene-d5
Concen: 9.696 ng
RT: 7.404 min Scan# 878
Delta R.T. -0.018 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

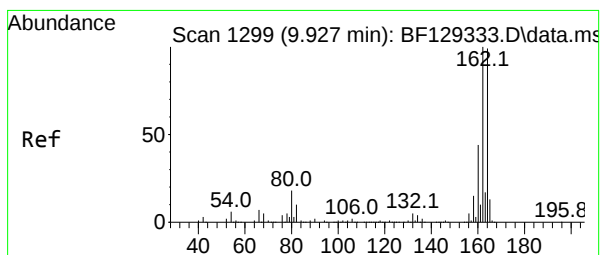
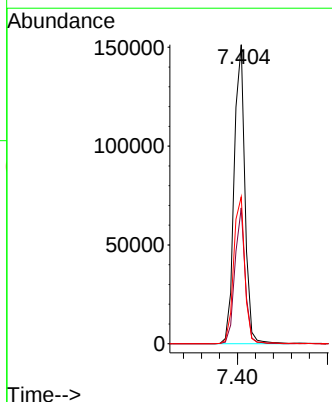
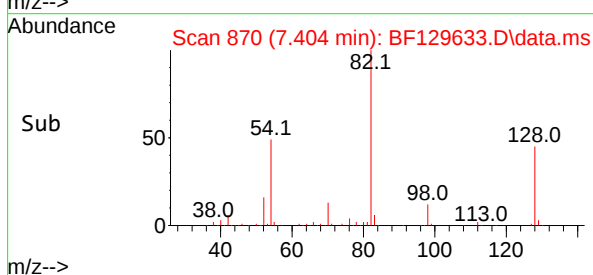
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL



Tgt Ion: 82 Resp: 12636
Ion Ratio Lower Upper
82 100
128 45.4 34.0 51.0
54 49.1 46.9 70.3

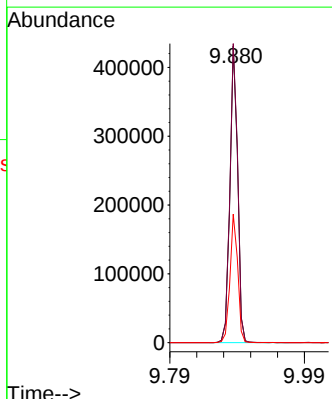
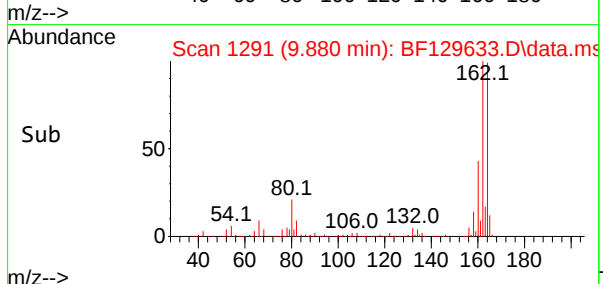
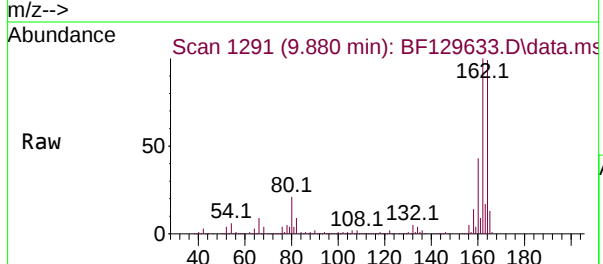
Manual Integrations
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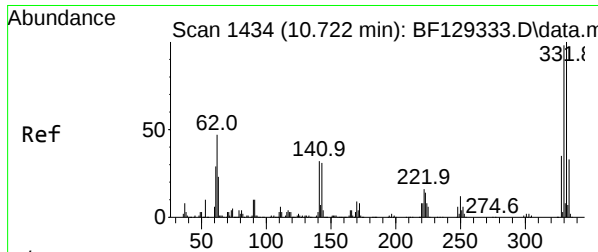
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:164 Resp: 343263
Ion Ratio Lower Upper
164 100
162 100.8 79.5 119.3
160 43.3 34.2 51.4





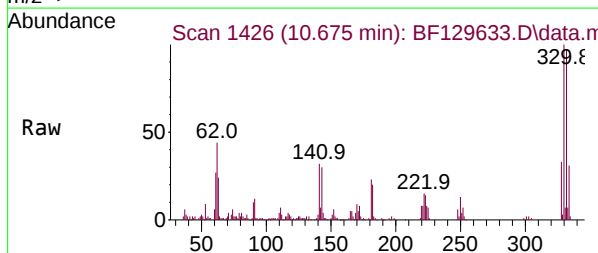
#42
2,4,6-Tribromophenol
Concen: 12.849 ng
RT: 10.675 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

OR-02-080422DL

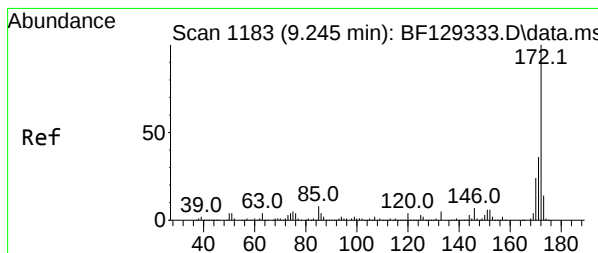
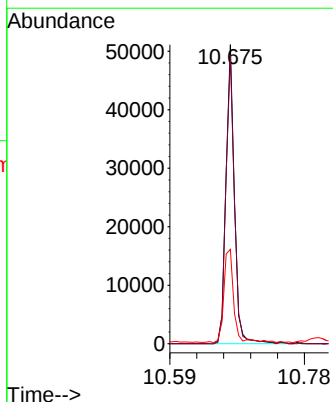
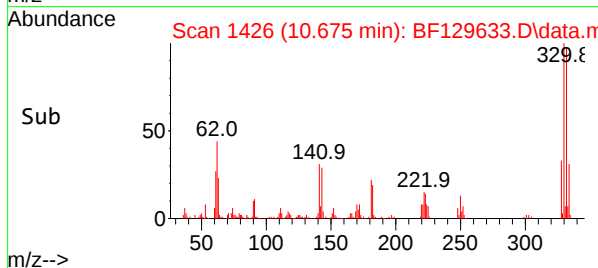


Tgt Ion: 330 Resp: 4246
Ion Ratio Lower Upper
330 100
332 97.6 76.8 115.2
141 35.4 28.0 42.0

Manual Integrations

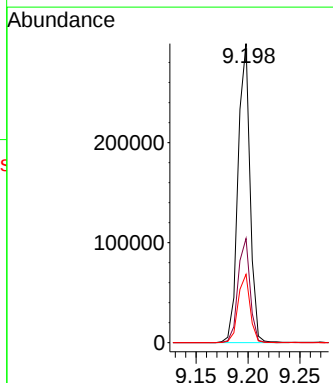
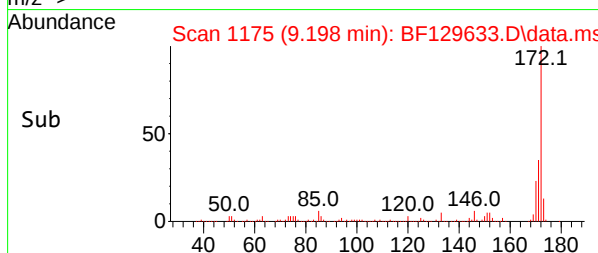
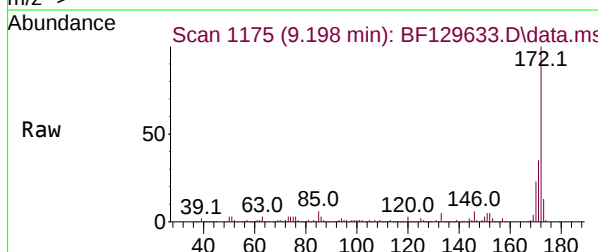
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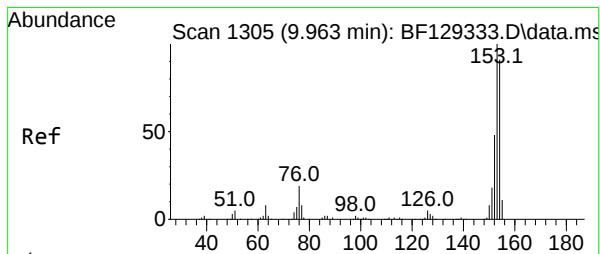
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022



#45
2-Fluorobiphenyl
Concen: 10.772 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

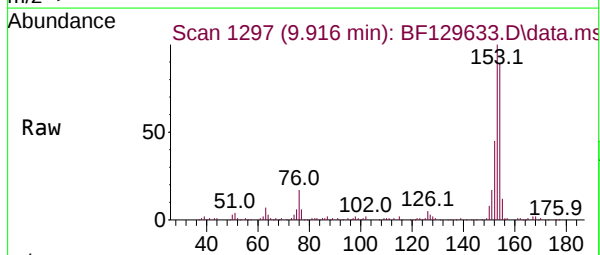
Tgt Ion: 172 Resp: 239032
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 22.9 19.8 29.8





#52
Acenaphthene
Concen: 2.285 ng
RT: 9.916 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

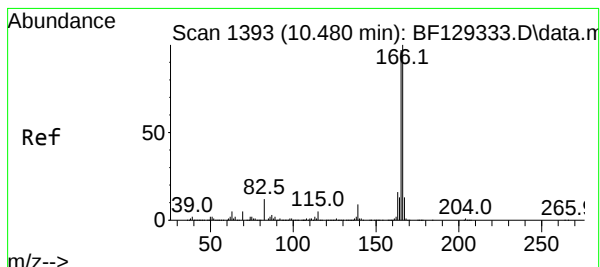
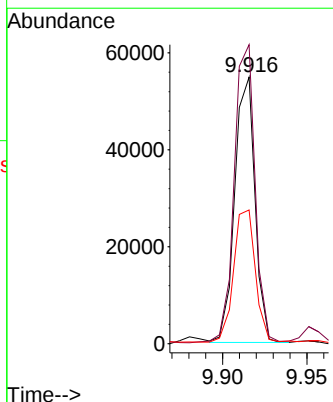
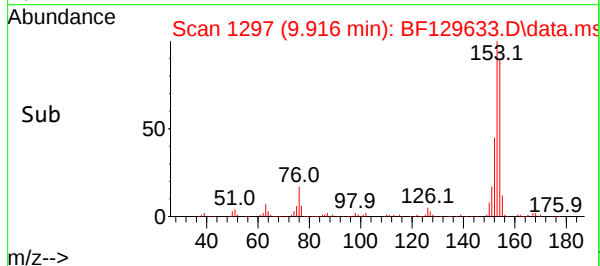
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL



Tgt Ion:154 Resp: 4593
Ion Ratio Lower Upper
154 100
153 112.2 89.6 134.4
152 50.2 42.4 63.6

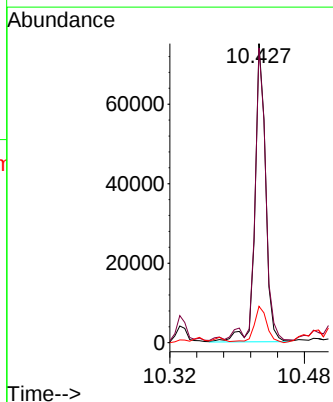
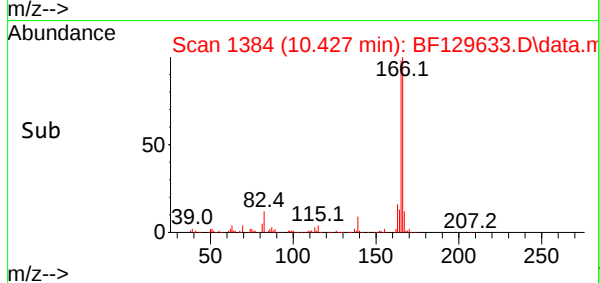
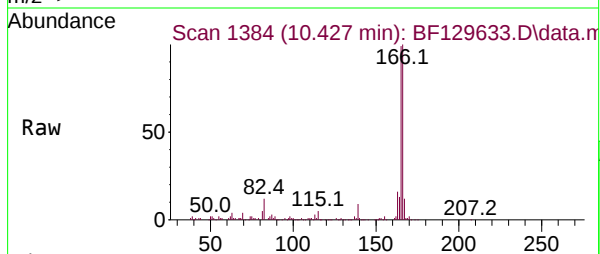
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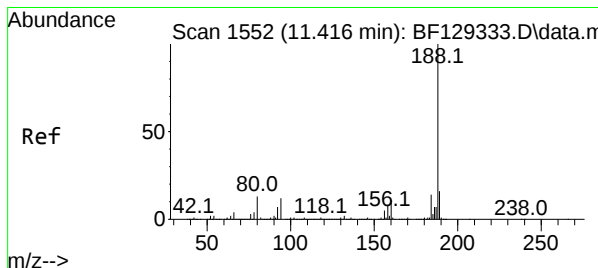
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#58
Fluorene
Concen: 2.960 ng
RT: 10.427 min Scan# 1384
Delta R.T. -0.018 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:166 Resp: 65608
Ion Ratio Lower Upper
166 100
165 98.5 78.1 117.1
167 12.1 10.5 15.7





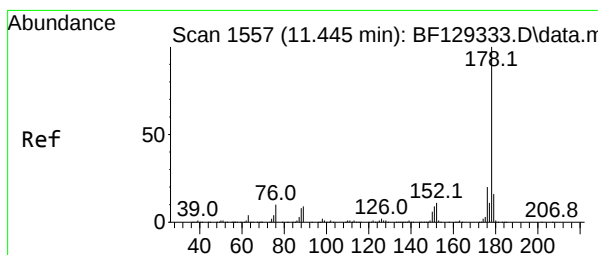
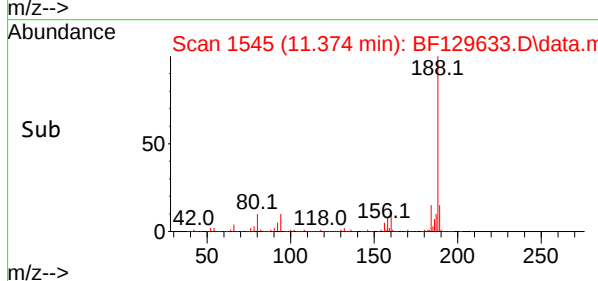
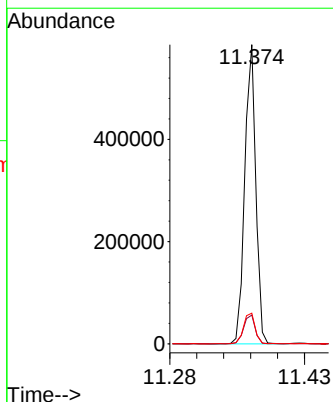
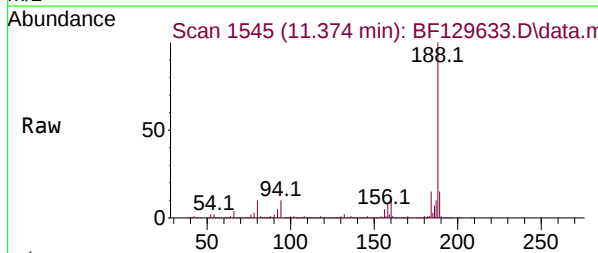
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.0	10.6
80	10.2	7.6	11.4

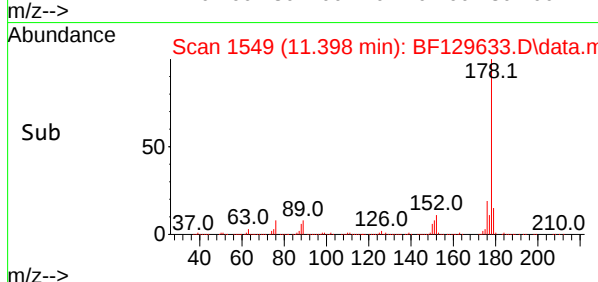
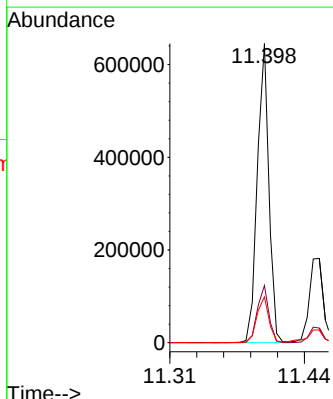
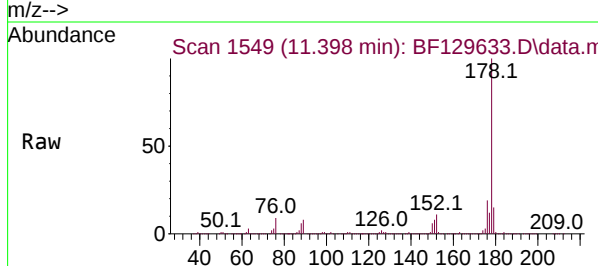
Manual Integrations
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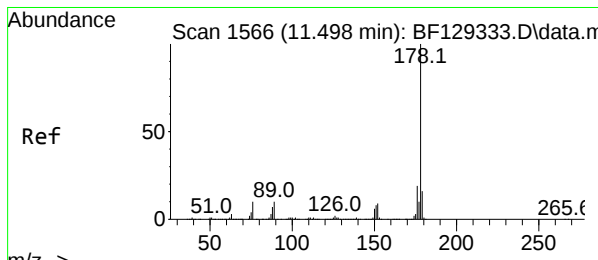
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#71
Phenanthrene
Concen: 18.449 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

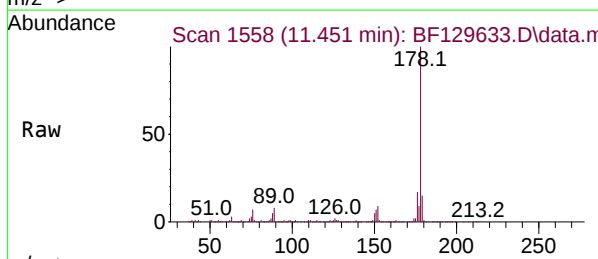
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.0	24.0
179	15.3	12.6	19.0





#72
 Anthracene
 Concen: 6.191 ng
 RT: 11.451 min Scan# 1558
 Delta R.T. -0.012 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20

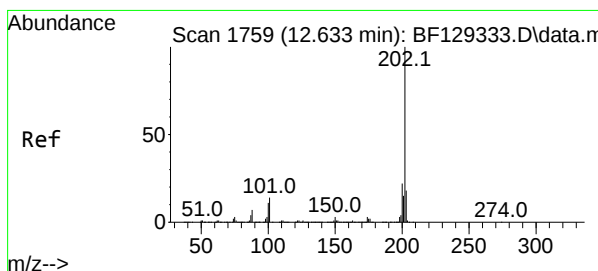
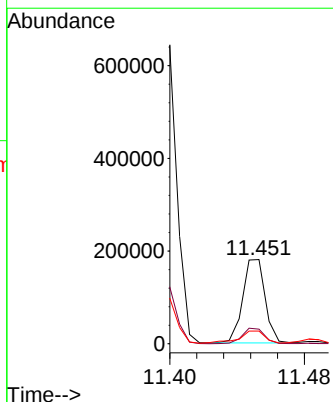
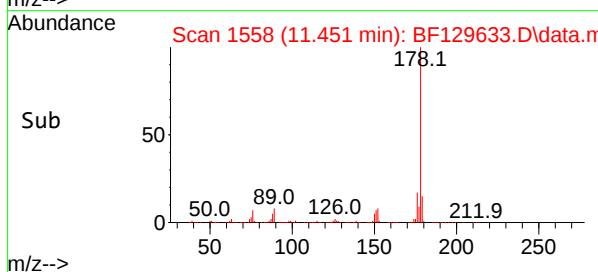
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080422DL



Tgt Ion:178 Resp: 16529
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.4 23.2
 179 15.1 12.6 19.6

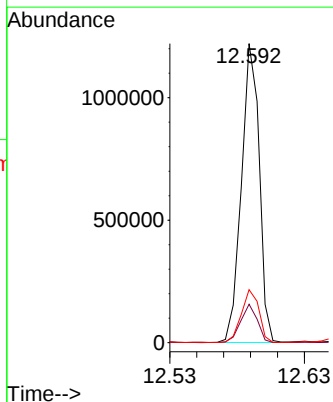
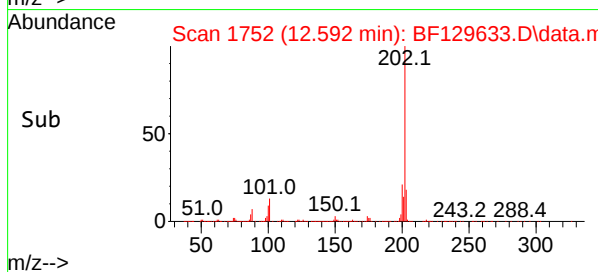
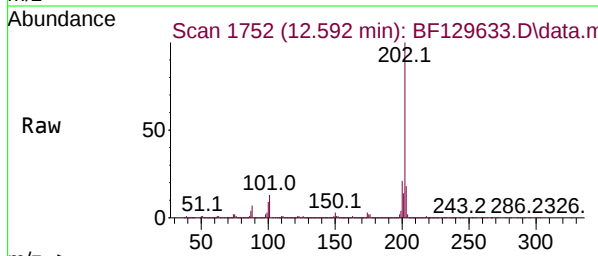
Manual Integrations
 APPROVED

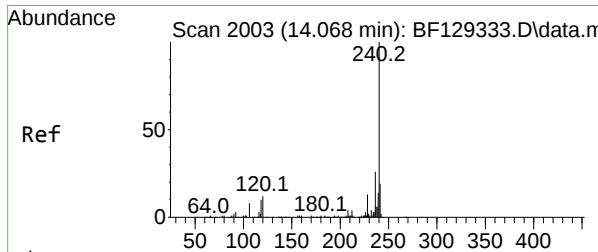
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022



#75
 Fluoranthene
 Concen: 40.643 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20

Tgt Ion:202 Resp: 1118852
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 31.4
 203 17.7 0.0 38.0





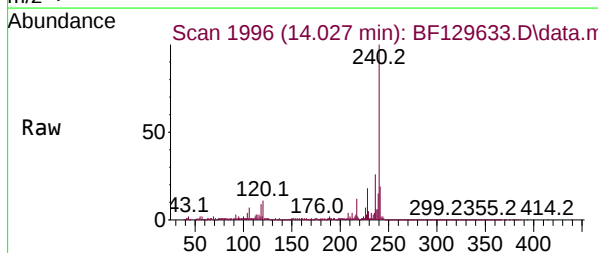
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

OR-02-080422DL

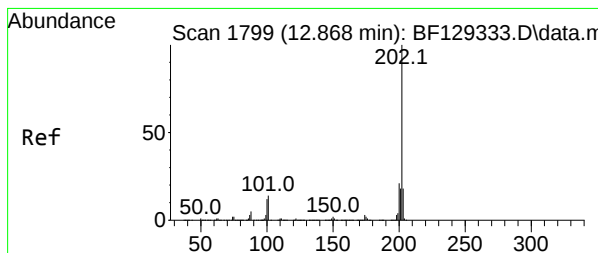
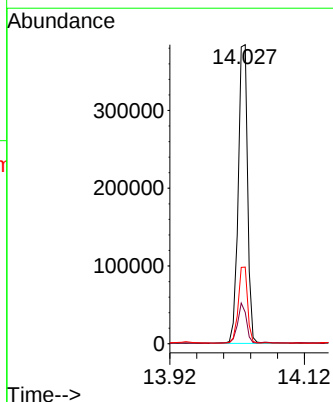
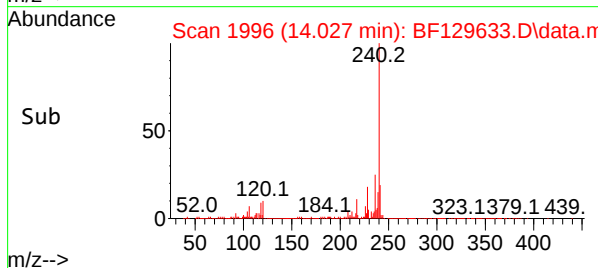


Tgt Ion:240 Resp: 36778
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.6 20.8 31.2

Manual Integrations

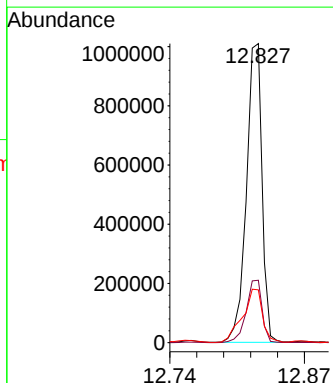
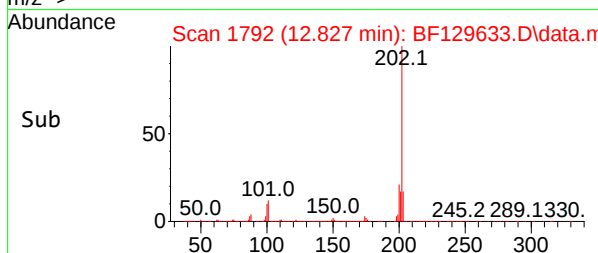
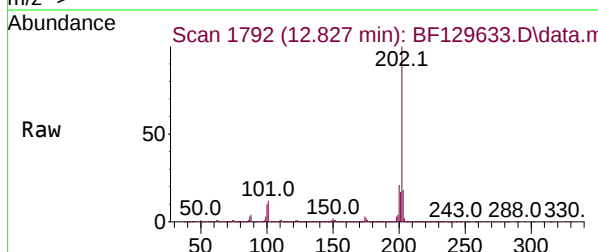
APPROVED

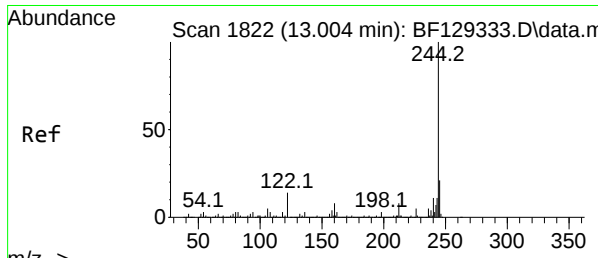
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#78
Pyrene
Concen: 34.296 ng
RT: 12.827 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:202 Resp: 1054782
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.7 14.6 21.8





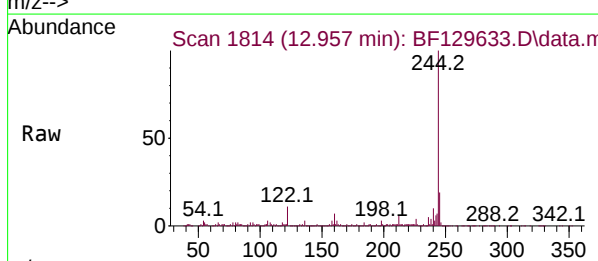
#79
 Terphenyl-d14
 Concen: 11.154 ng
 RT: 12.957 min Scan# 1993
 Delta R.T. -0.012 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

OR-02-080422DL

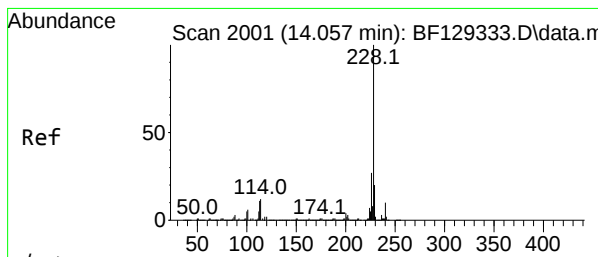
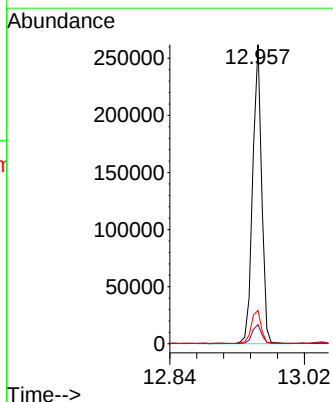
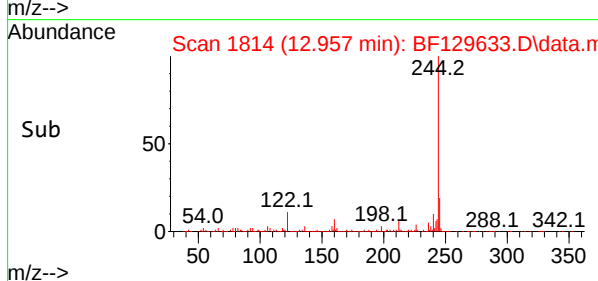


Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.1	9.1
122	11.2	8.8	13.2

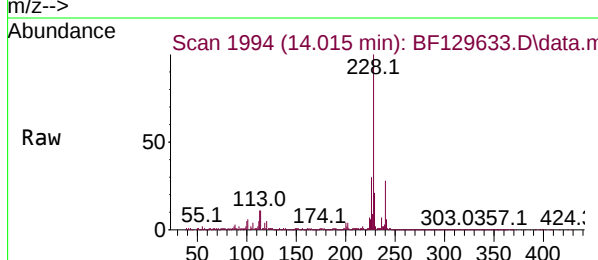
Manual Integrations

APPROVED

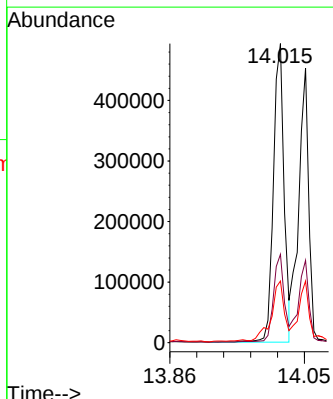
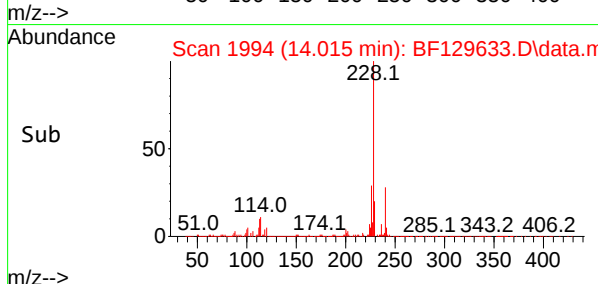
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022

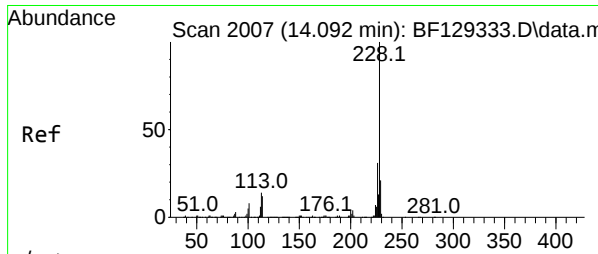


#81
 Benzo(a)anthracene
 Concen: 20.490 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20



Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.1	33.1
229	20.6	15.8	23.8





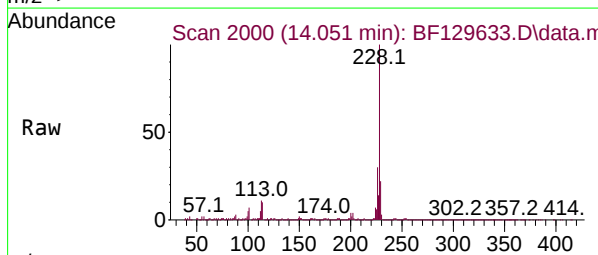
#83
Chrysene
Concen: 18.894 ng
RT: 14.051 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

OR-02-080422DL

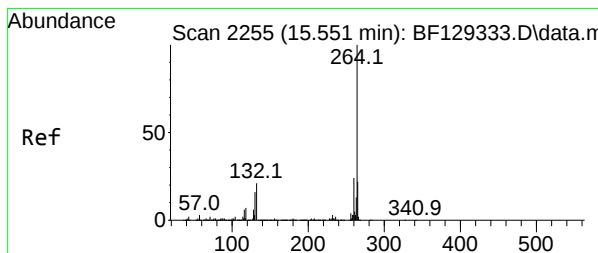
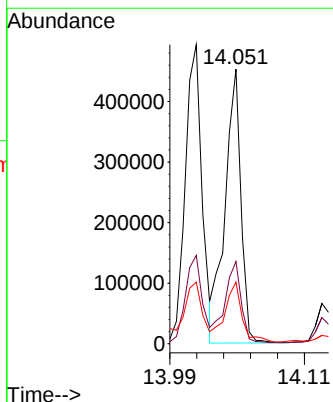
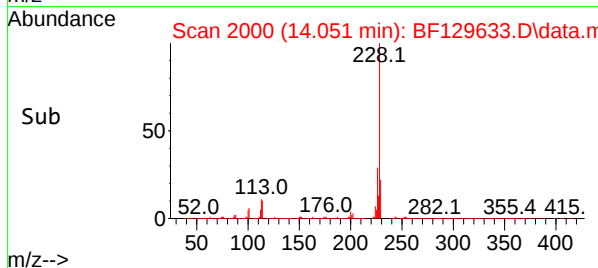


Tgt Ion:228 Resp: 44737
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 22.5 15.9 23.9

Manual Integrations

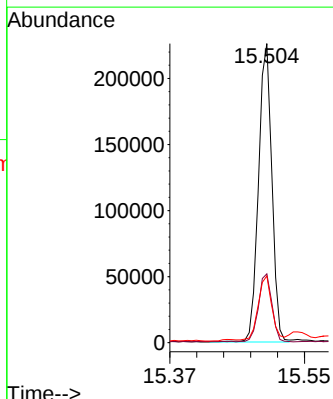
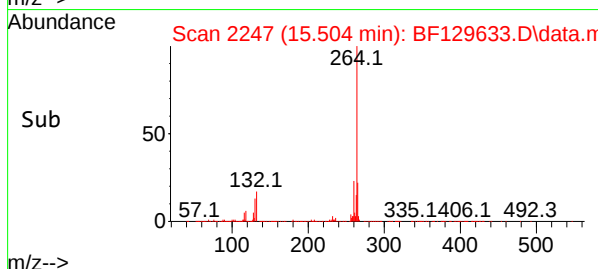
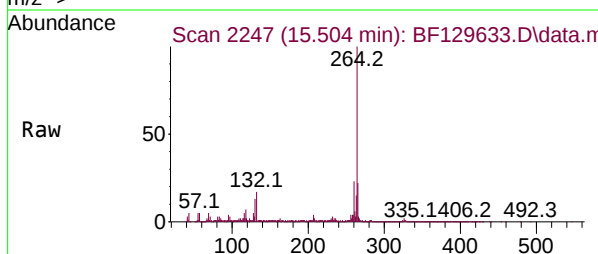
APPROVED

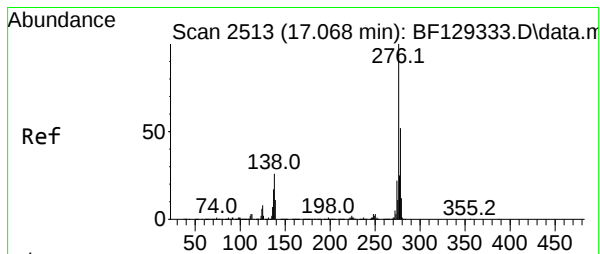
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:264 Resp: 279631
Ion Ratio Lower Upper
264 100
260 23.0 18.4 27.6
265 22.3 17.2 25.8





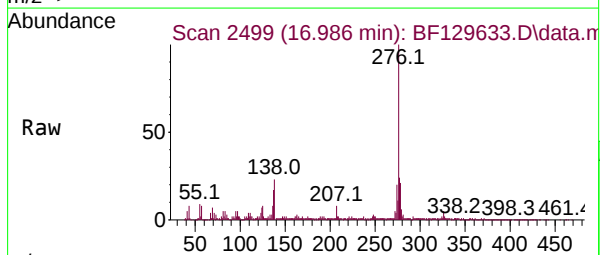
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.384 ng
RT: 16.986 min Scan# 2173
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

OR-02-080422DL

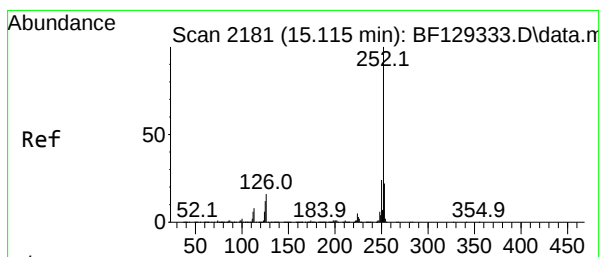
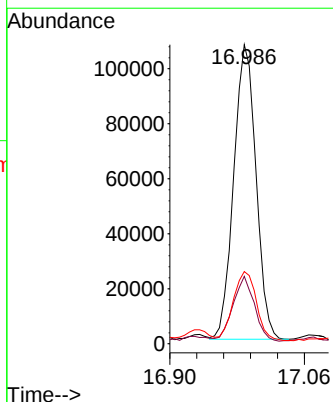
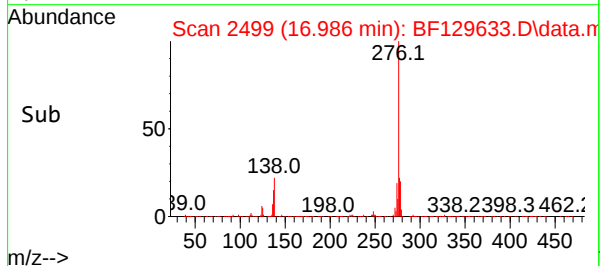


Tgt Ion: 276 Resp: 19554
Ion Ratio Lower Upper
276 100
138 21.1 21.1 31.7
277 24.5 20.3 30.5

Manual Integrations

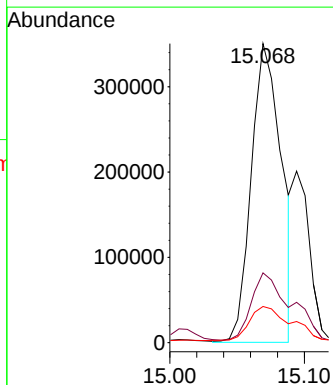
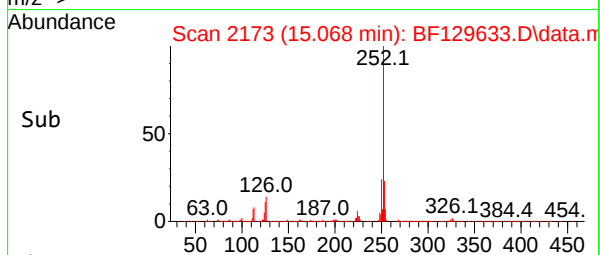
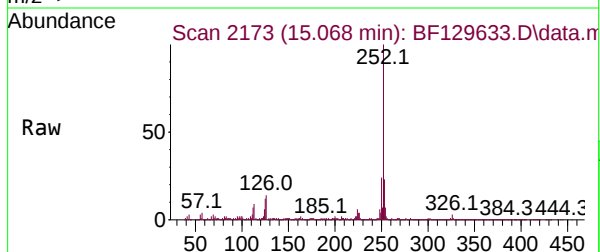
APPROVED

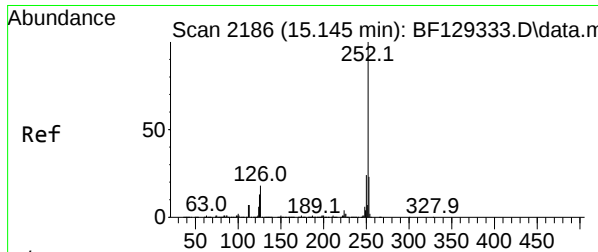
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022



#88
Benzo(b)fluoranthene
Concen: 27.698 ng m
RT: 15.068 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion: 252 Resp: 513760
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 12.1 8.0 12.0#





#89
Benzo(k)fluoranthene
Concen: 9.017 ng/ml
RT: 15.092 min Scan# 2186
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

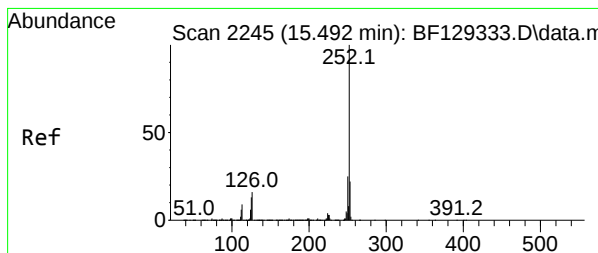
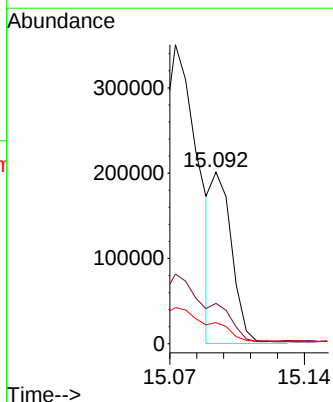
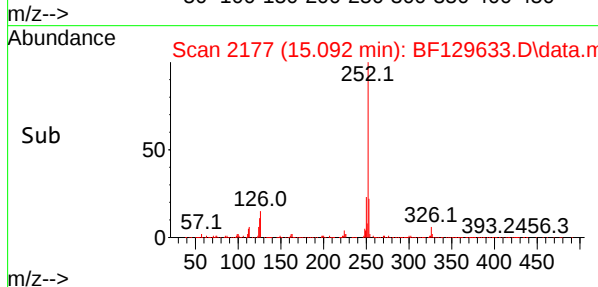
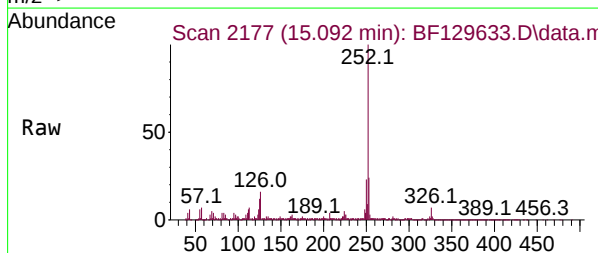
OR-02-080422DL

Tgt Ion: 252 Resp: 16396
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 12.4 8.3 12.5

Manual Integrations

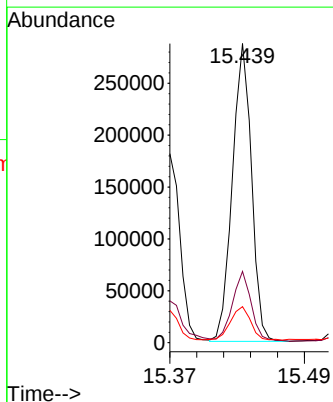
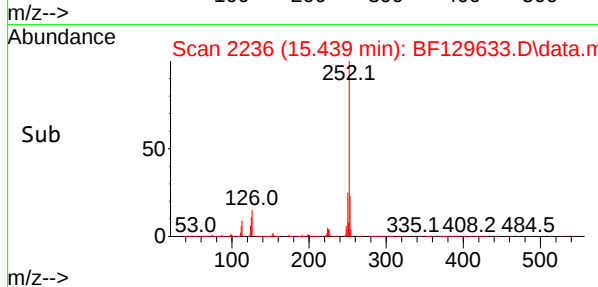
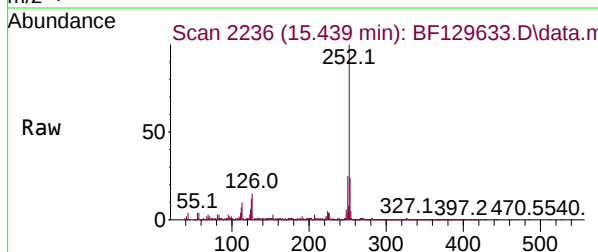
APPROVED

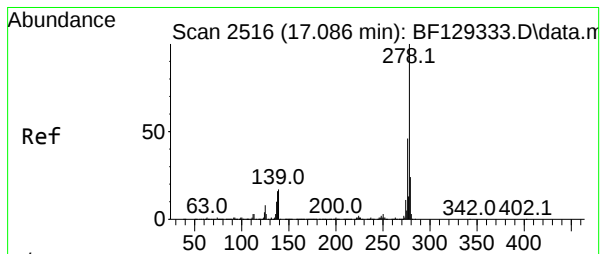
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022



#90
Benzo(a)pyrene
Concen: 22.518 ng/ml
RT: 15.439 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion: 252 Resp: 339069
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 12.1 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 3.265 ng
RT: 16.992 min Scan# 2500
Delta R.T. -0.018 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

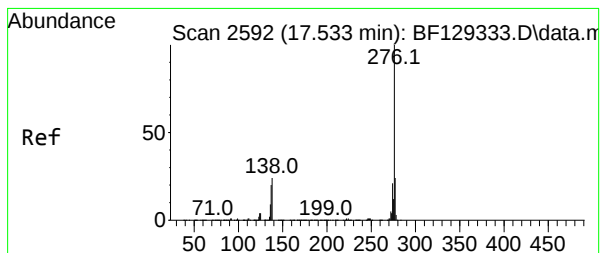
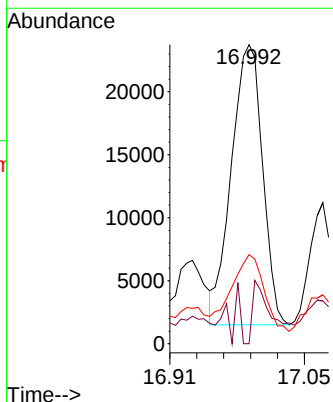
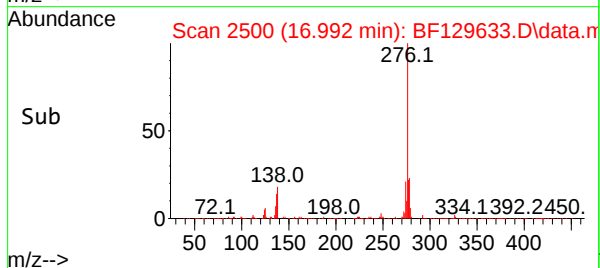
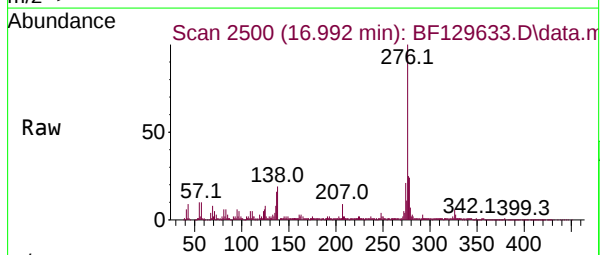
OR-02-080422DL

Tgt Ion:278 Resp: 5004
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2
279 29.8 18.6 28.0

Manual Integrations

APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 11.761 ng
RT: 17.445 min Scan# 2577
Delta R.T. -0.006 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:276 Resp: 184182
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 22.5 18.0 27.0

