

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129486.D
 Acq On : 01 Aug 2022 22:03
 Operator : CG\JU
 Sample : N3970-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHB-LOWER

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/02/2022
 Supervised By : Jagrut Upadhyay 08/02/2022

Quant Time: Aug 02 01:18:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	169476	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	642902	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	282598	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	366906	20.000	ng	0.00
76) Chrysene-d12	14.045	240	326128	20.000	ng	0.00
86) Perylene-d12	15.527	264	379655	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1084908	104.281	ng	0.01
7) Phenol-d6	6.522	99	1326791	101.461	ng	0.00
23) Nitrobenzene-d5	7.439	82	834862	70.888	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	206974	76.178	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1357726	74.322	ng	0.00
79) Terphenyl-d14	12.986	244	873653	50.539	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	207134	10.342	ng	98
72) Anthracene	11.475	178	43397	2.205	ng	97
75) Fluoranthene	12.616	202	296961	14.633	ng	99
78) Pyrene	12.845	202	263208	9.651	ng	98
81) Benzo(a)anthracene	14.033	228	160042	7.184	ng	99
83) Chrysene	14.068	228	132955	6.332	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	77292	3.023	ng	96
88) Benzo(b)fluoranthene	15.092	252	193376m	7.679	ng	
89) Benzo(k)fluoranthene	15.115	252	62029m	2.513	ng	
90) Benzo(a)pyrene	15.463	252	138855	6.792	ng	98
92) Benzo(g,h,i)perylene	17.480	276	69695	3.278	ng	96

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

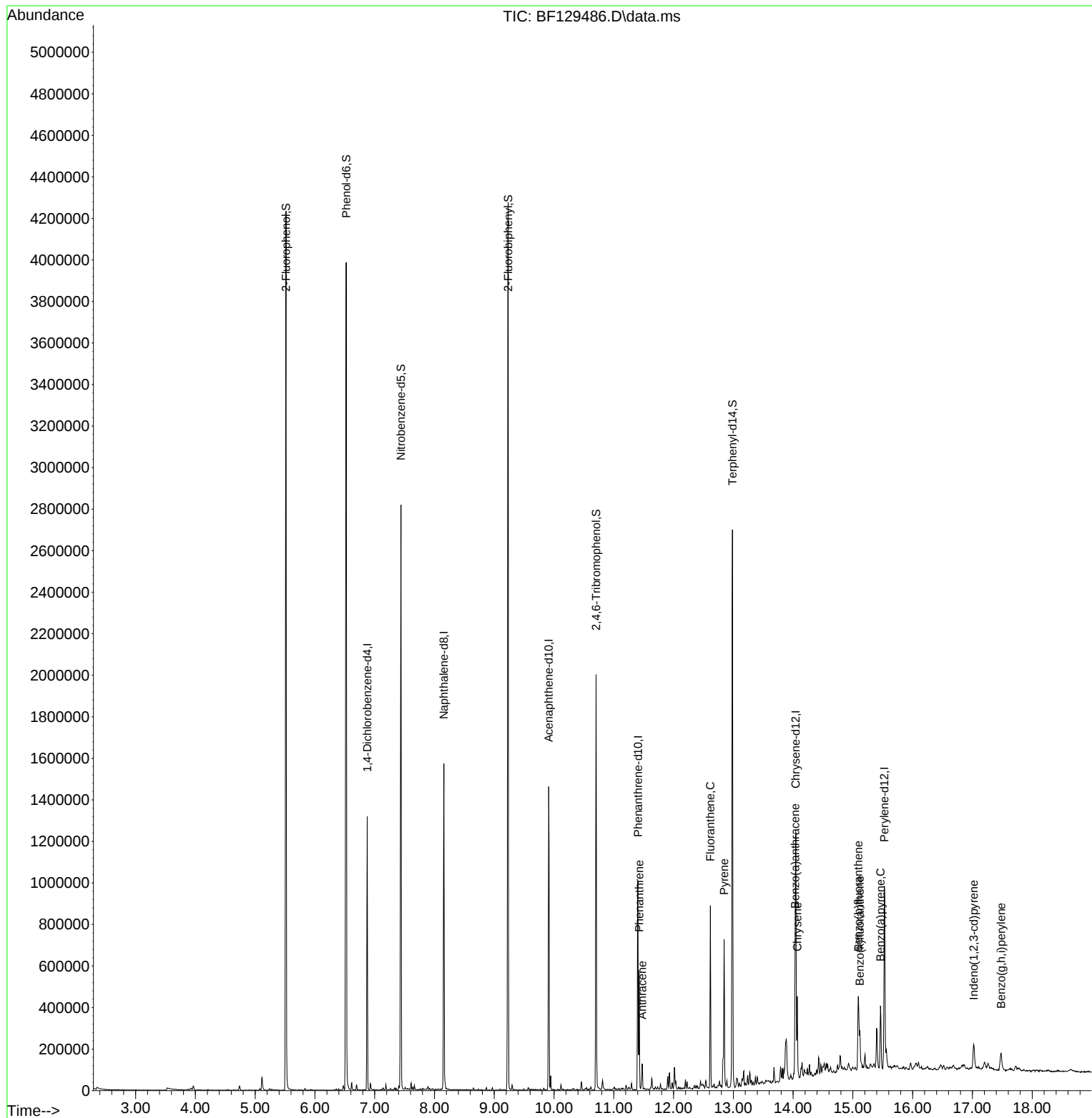
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129486.D
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QLast Update : Tue Aug 02 01:11:25 2022
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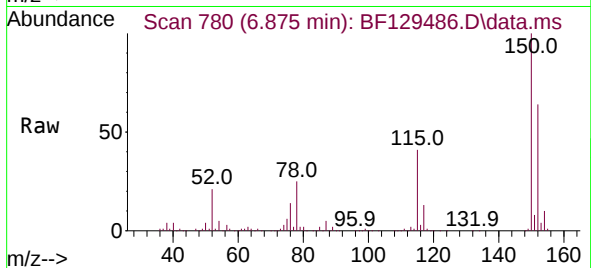
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

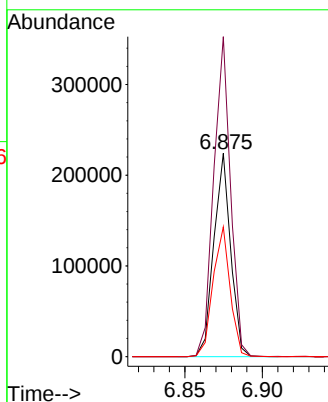
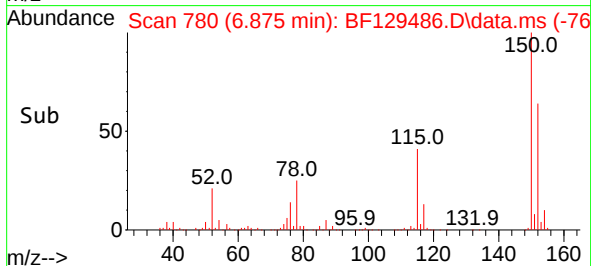
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER



Tgt Ion:152 Resp: 169476
Ion Ratio Lower Upper
152 100
150 157.5 123.7 185.5
115 63.8 49.9 74.9

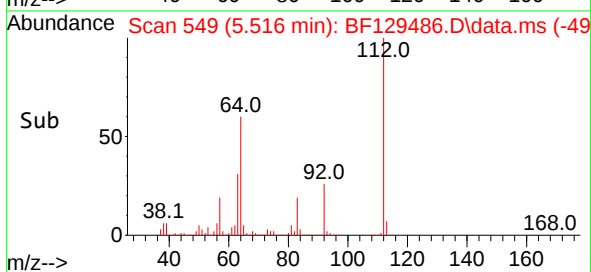
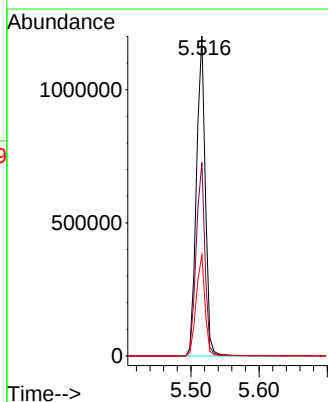
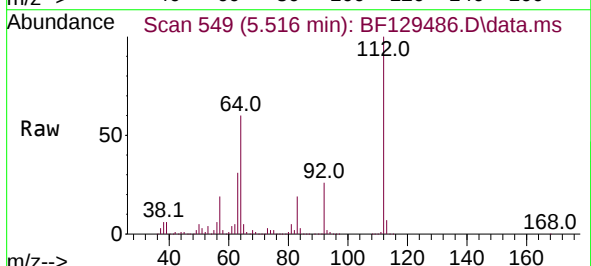
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#5
2-Fluorophenol
Concen: 104.281 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.012 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

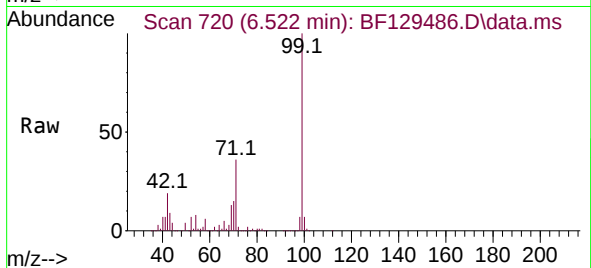
Tgt Ion:112 Resp: 1084908
Ion Ratio Lower Upper
112 100
64 60.4 53.3 79.9
63 31.5 28.0 42.0





#7
Phenol-d6
Concen: 101.461 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

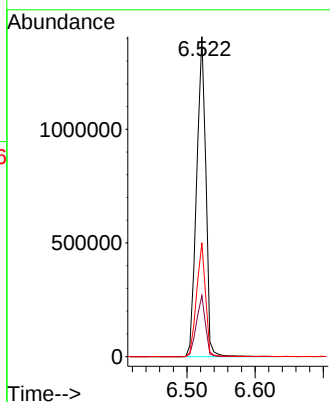
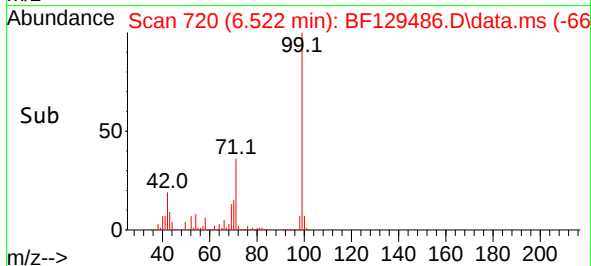
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER



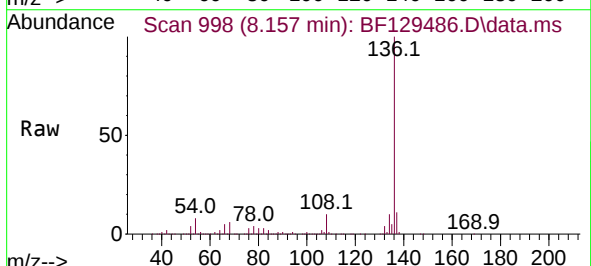
Tgt Ion: 99 Resp: 1326791
Ion Ratio Lower Upper
99 100
42 19.1 17.3 25.9
71 35.6 28.9 43.3

Manual Integrations
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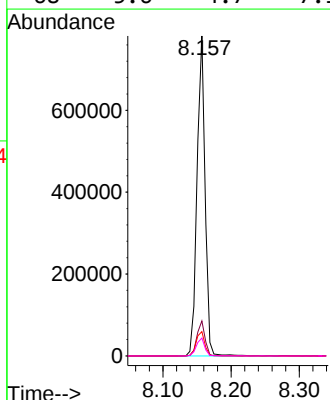
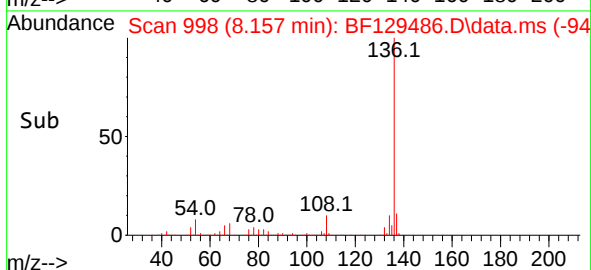
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

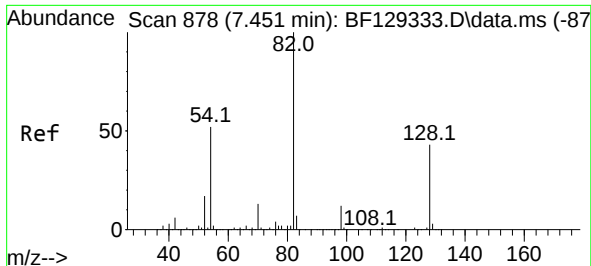


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03



Tgt Ion:136 Resp: 642902
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 7.5 11.3
68 5.6 4.7 7.1





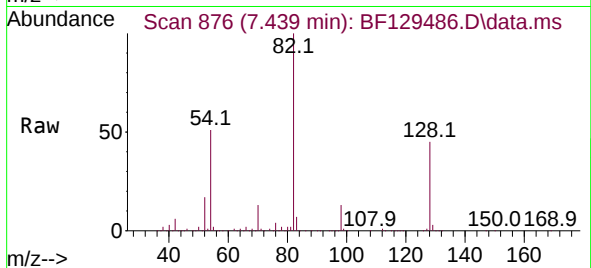
#23
Nitrobenzene-d5
Concen: 70.888 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

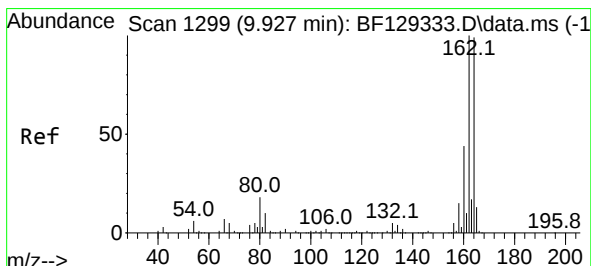
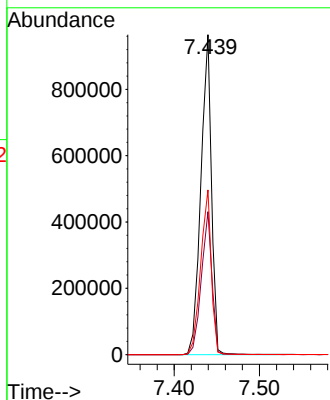
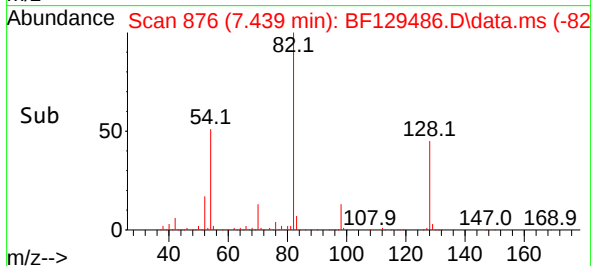
MHB-LOWER



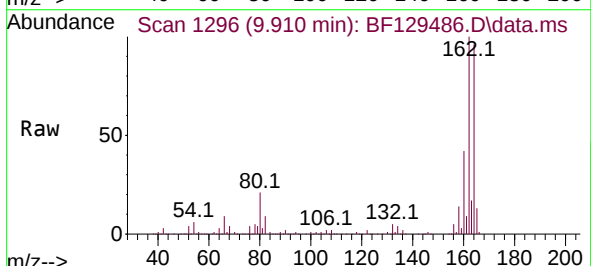
Tgt Ion: 82 Resp: 834862
Ion Ratio Lower Upper
82 100
128 44.7 34.0 51.0
54 51.5 46.9 70.3

Manual Integrations
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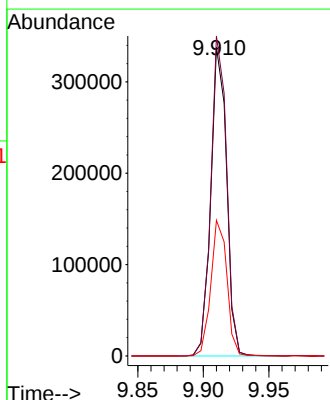
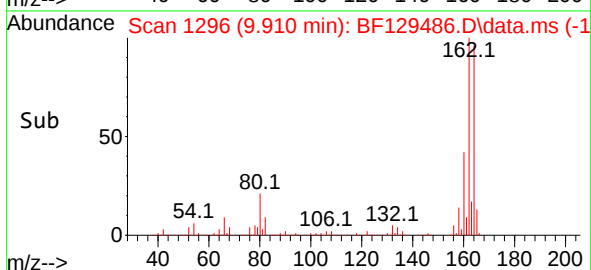
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03



Tgt Ion:164 Resp: 282598
Ion Ratio Lower Upper
164 100
162 103.7 79.5 119.3
160 44.0 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 76.178 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

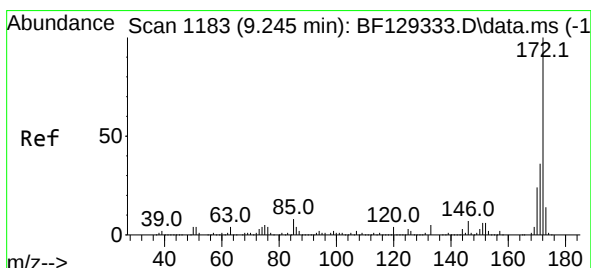
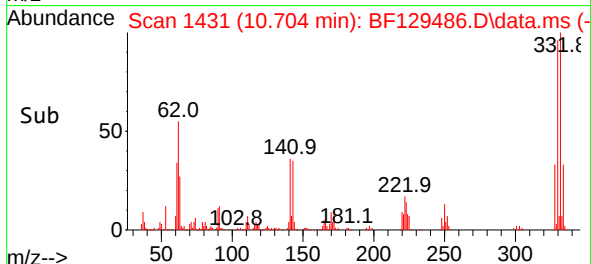
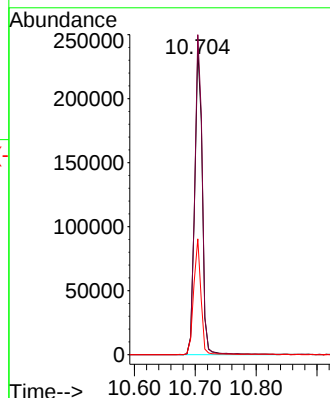
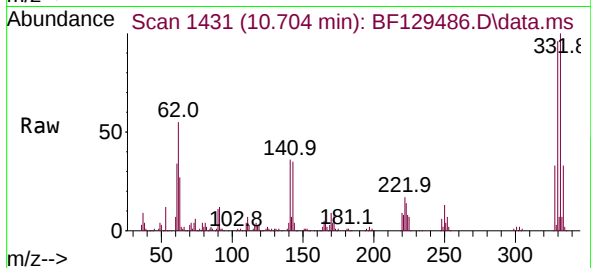
MHB-LOWER

Tgt Ion: 330 Resp: 206974
Ion Ratio Lower Upper
330 100
332 102.3 76.8 115.2
141 36.0 28.0 42.0

Manual Integrations

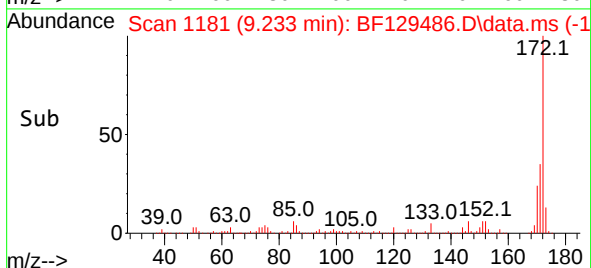
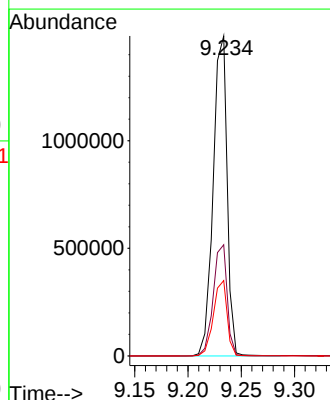
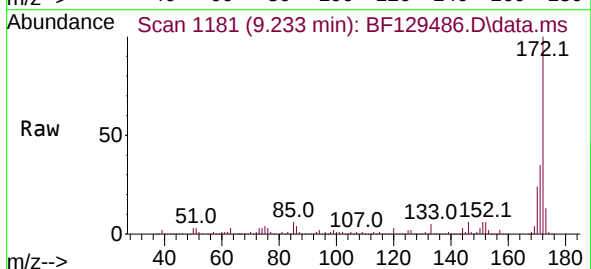
APPROVED

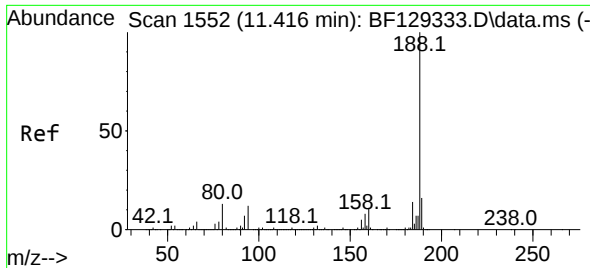
Reviewed By : Christian Giraldo 08/02/2022
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#45
2-Fluorobiphenyl
Concen: 74.322 ng
RT: 9.233 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Tgt Ion: 172 Resp: 1357726
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.5 19.8 29.8





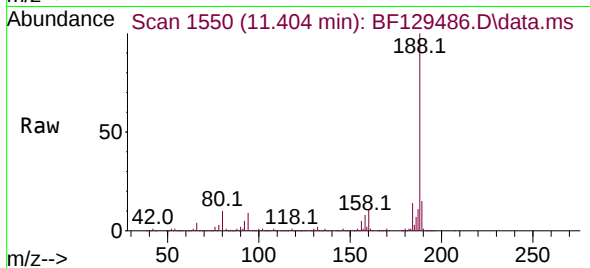
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

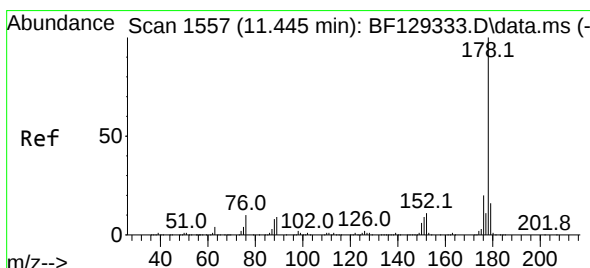
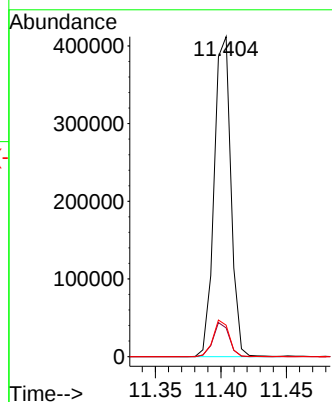
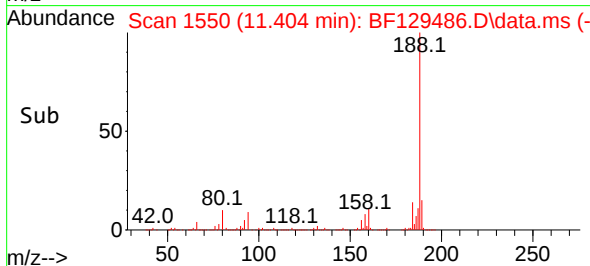


Tgt Ion:188 Resp: 366906
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.8 7.6 11.4

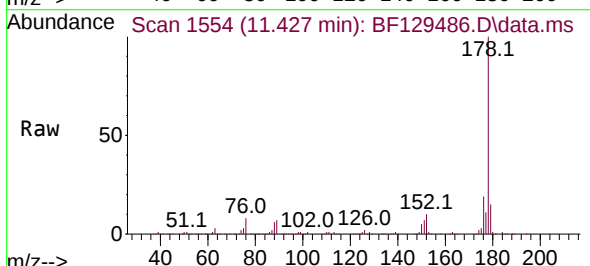
Manual Integrations

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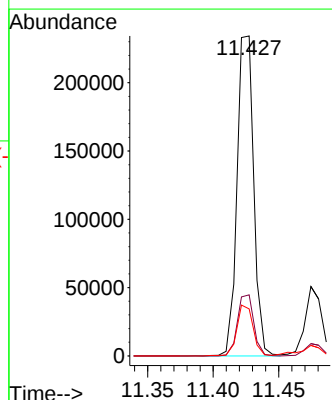
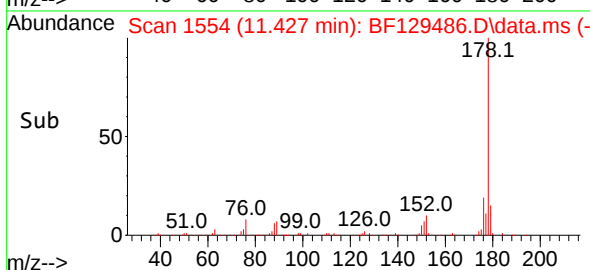
Reviewed By :Christian Giraldo 08/02/2022
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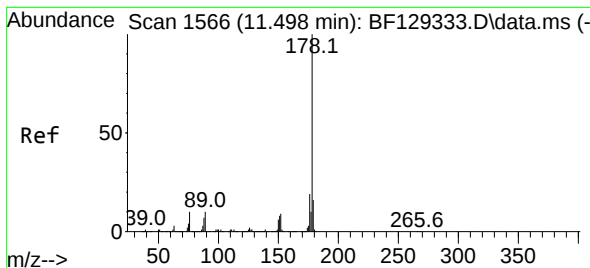


#71
Phenanthrene
Concen: 10.342 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03



Tgt Ion:178 Resp: 207134
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.7 12.6 19.0





#72

Anthracene

Concen: 2.205 ng

RT: 11.475 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

Tgt Ion:178 Resp: 43397

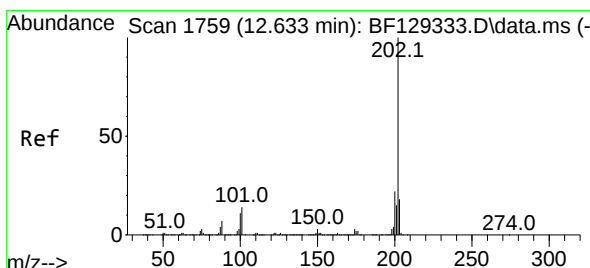
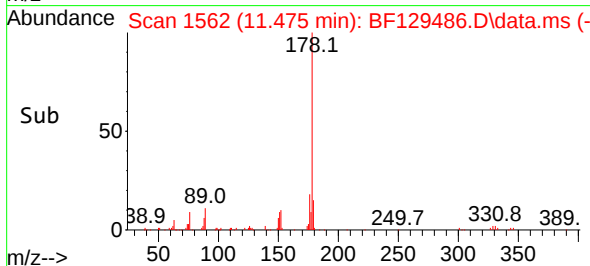
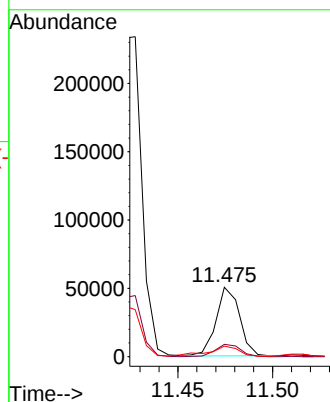
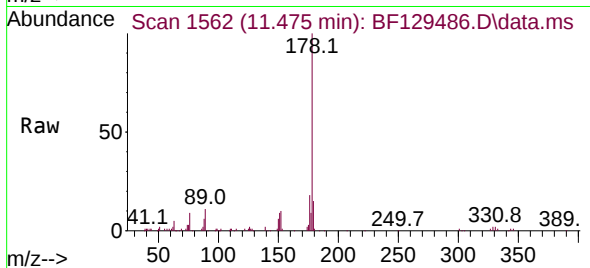
Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.1	12.6	19.0

Manual Integrations

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#75

Fluoranthene

Concen: 14.633 ng

RT: 12.616 min Scan# 1756

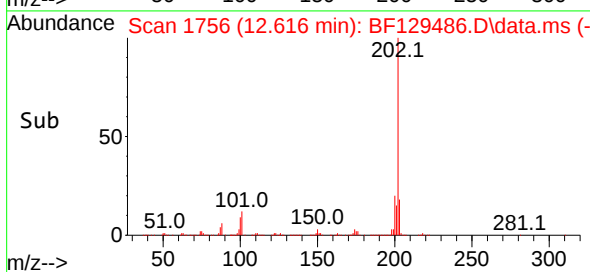
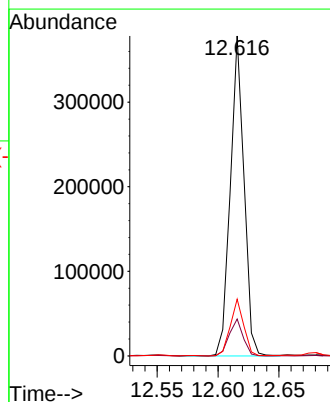
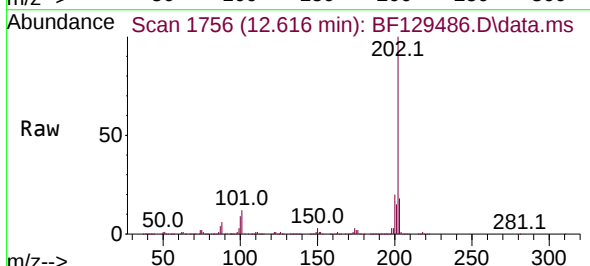
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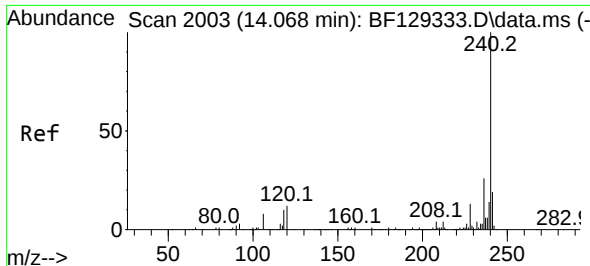
Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

Tgt Ion:202 Resp: 296961

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	17.7	0.0	38.0





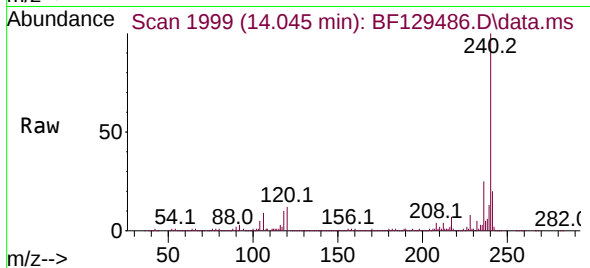
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

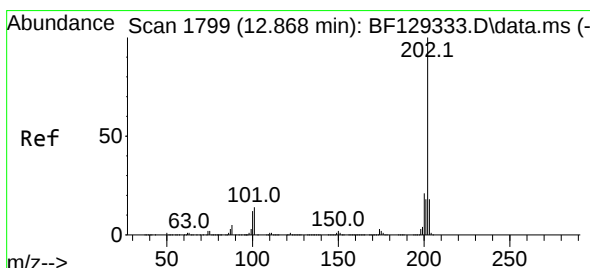
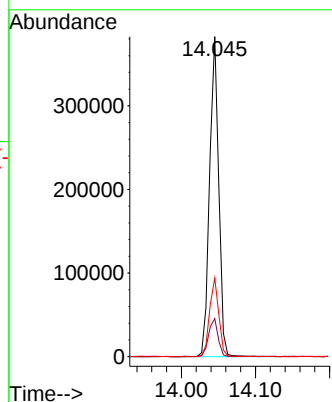
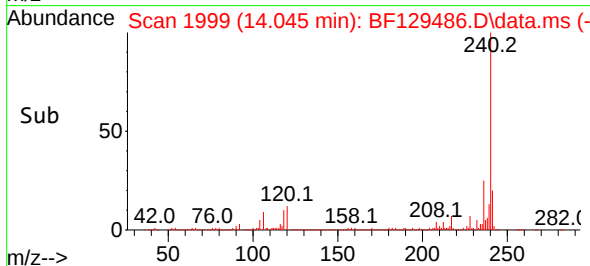


Tgt Ion:240 Resp: 326128
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 24.6 20.8 31.2

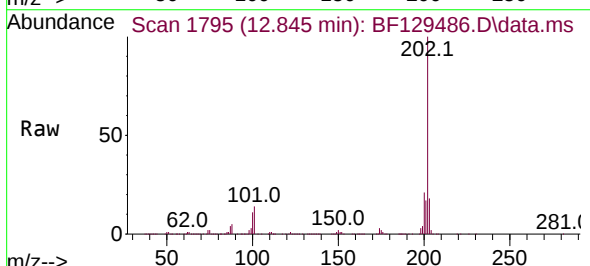
Manual Integrations

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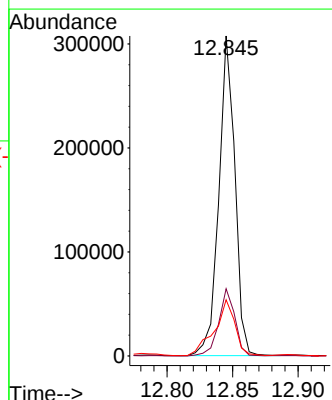
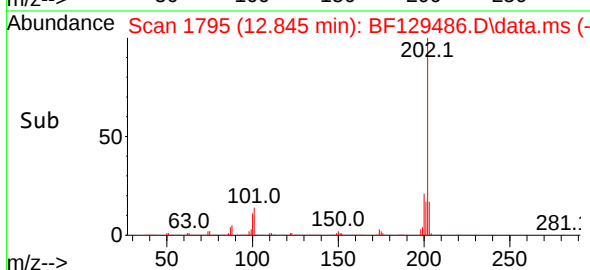
Reviewed By :Christian Giraldo 08/02/2022
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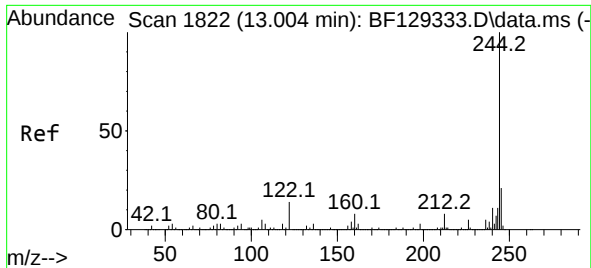


#78
Pyrene
Concen: 9.651 ng
RT: 12.845 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03



Tgt Ion:202 Resp: 263208
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.5 14.6 21.8





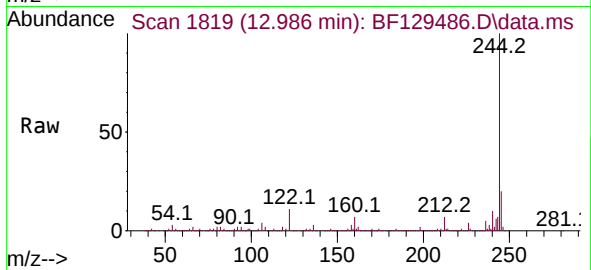
#79
Terphenyl-d14
Concen: 50.539 ng
RT: 12.986 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

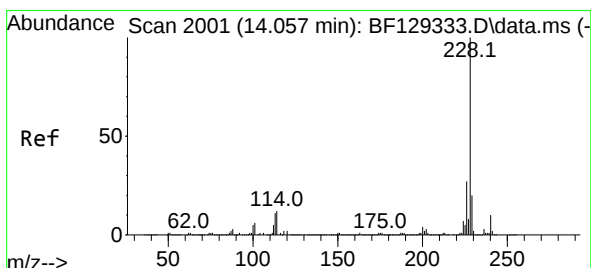
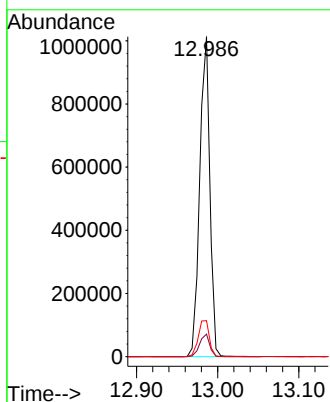
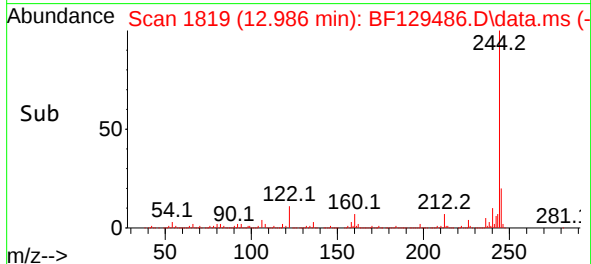


Tgt Ion:244 Resp: 873653
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 11.2 8.8 13.2

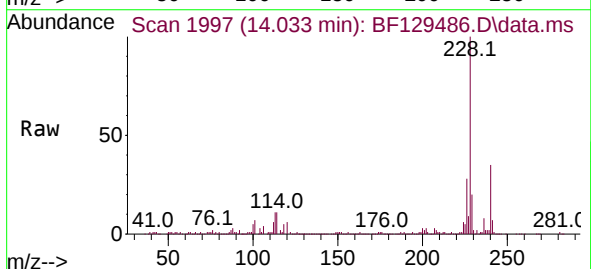
Manual Integrations

APPROVED

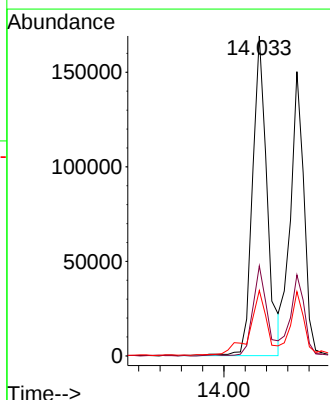
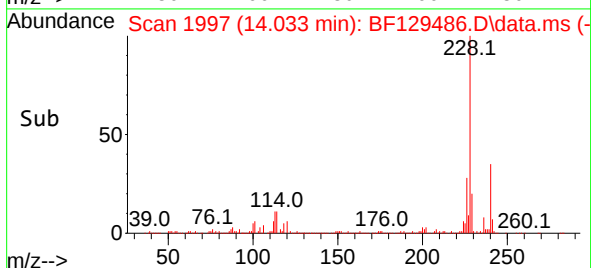
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

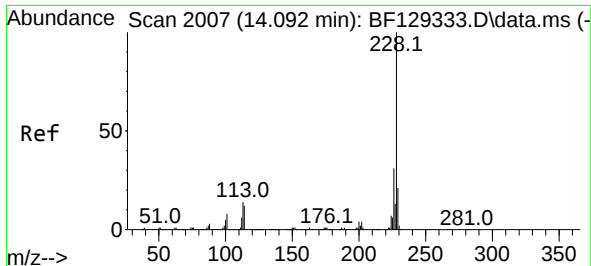


#81
Benzo(a)anthracene
Concen: 7.184 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03



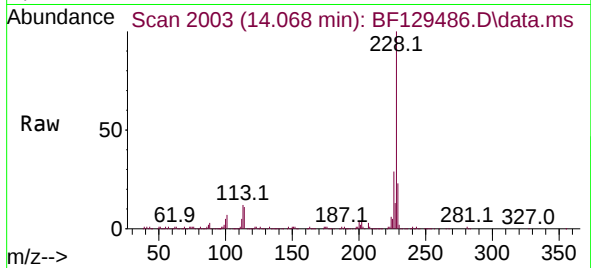
Tgt Ion:228 Resp: 160042
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 20.4 15.8 23.8





#83
Chrysene
Concen: 6.332 ng
RT: 14.068 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

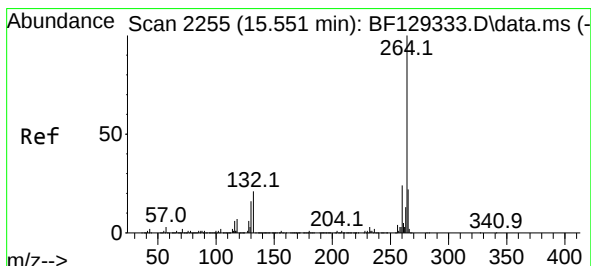
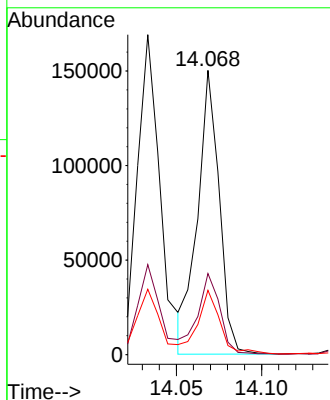
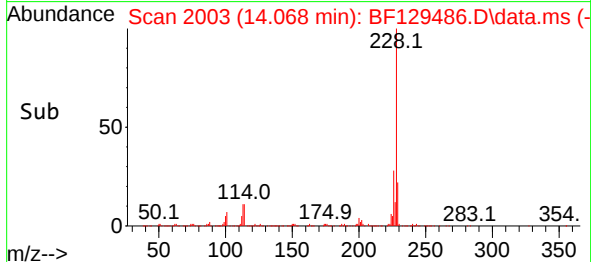
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER



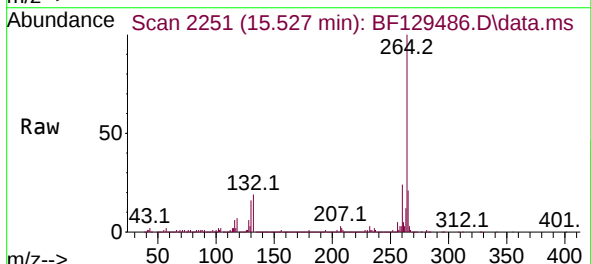
Tgt Ion:228 Resp: 132955
Ion Ratio Lower Upper
228 100
226 28.5 24.3 36.5
229 22.6 15.9 23.9

Manual Integrations
APPROVED

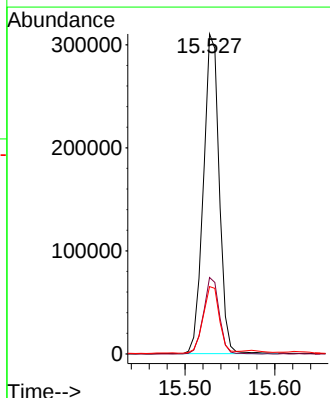
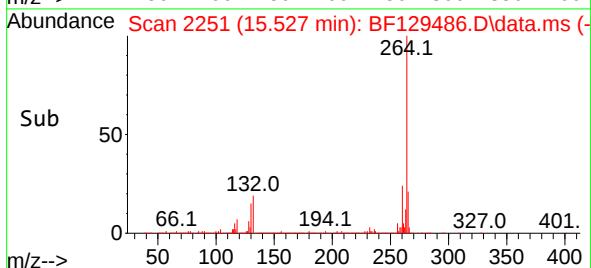
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

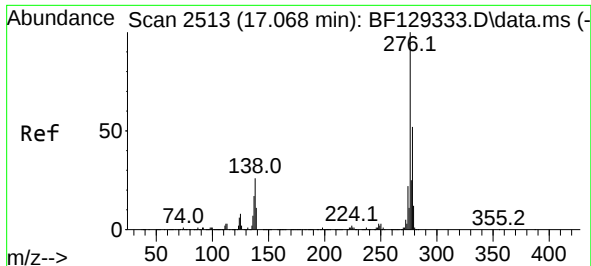


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2251
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03



Tgt Ion:264 Resp: 379655
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 21.0 17.2 25.8





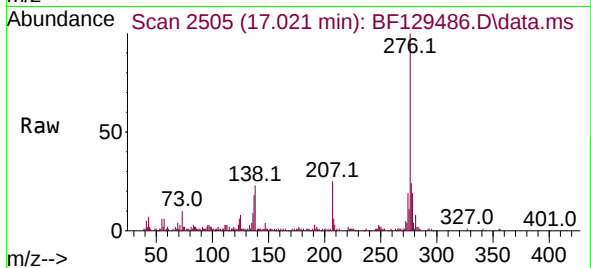
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.023 ng
RT: 17.021 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

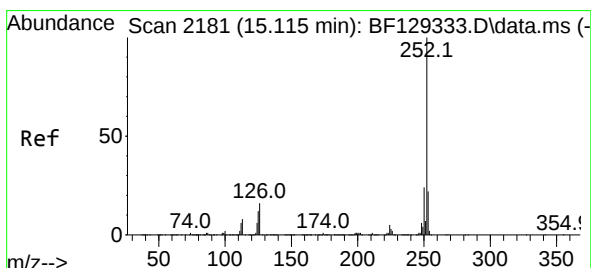
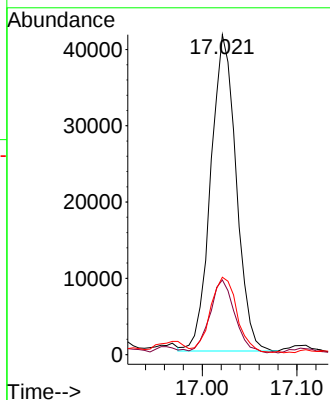
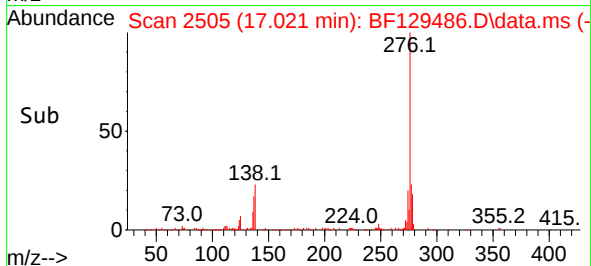
MHB-LOWER



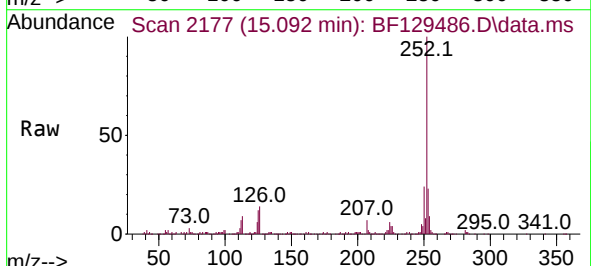
Tgt Ion:276 Resp: 77292
Ion Ratio Lower Upper
276 100
138 22.5 21.1 31.7
277 25.2 20.3 30.5

Manual Integrations
APPROVED

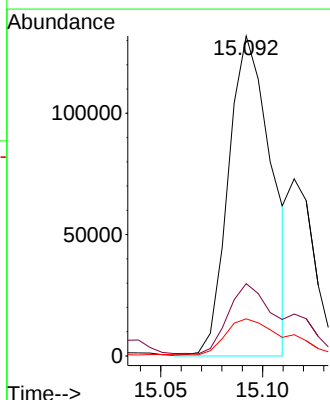
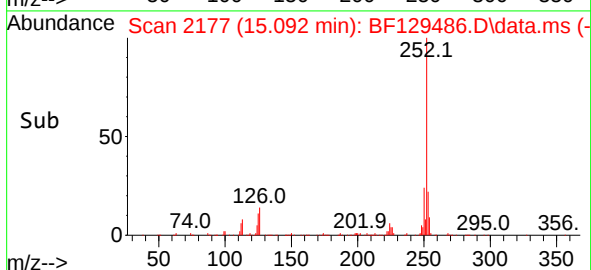
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022

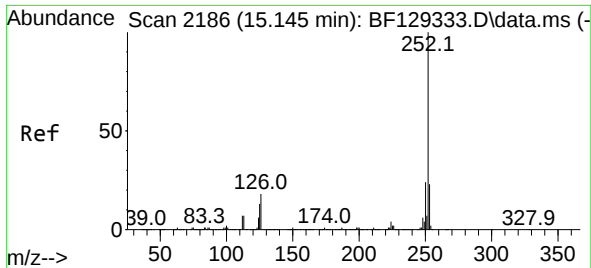


#88
Benzo(b)fluoranthene
Concen: 7.679 ng m
RT: 15.092 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03



Tgt Ion:252 Resp: 193376
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 11.6 8.0 12.0





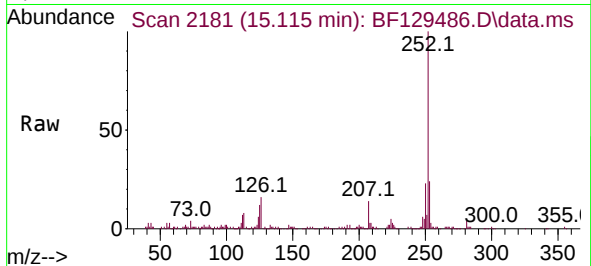
#89
Benzo(k)fluoranthene
Concen: 2.513 ng m
RT: 15.115 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

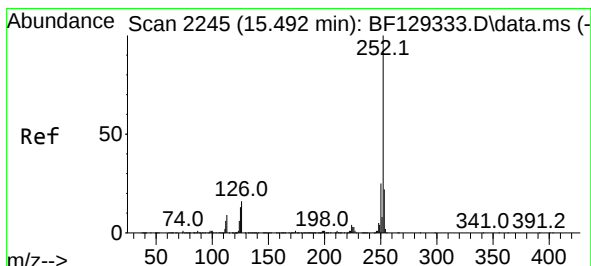
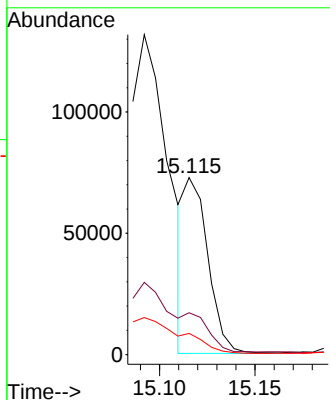
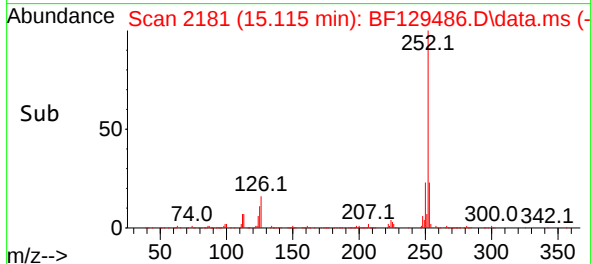


Tgt Ion:252 Resp: 62029
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 12.0 8.3 12.5

Manual Integrations

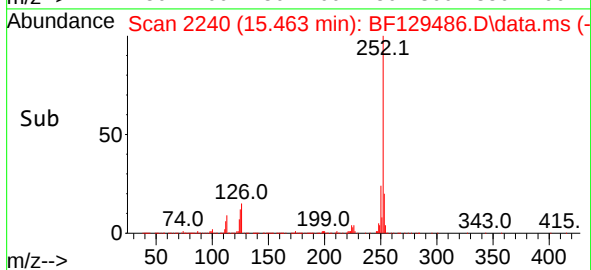
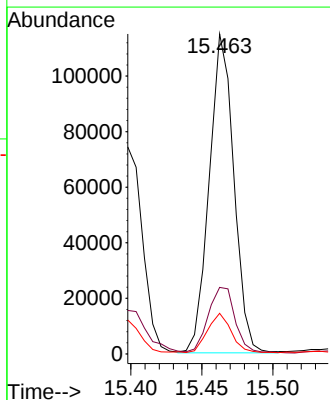
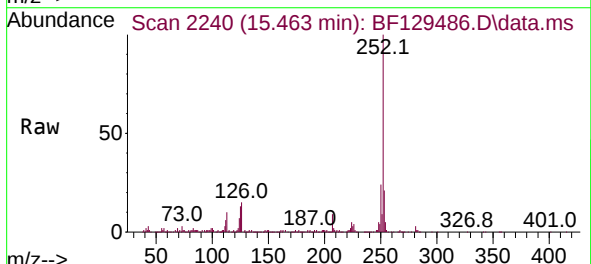
APPROVED

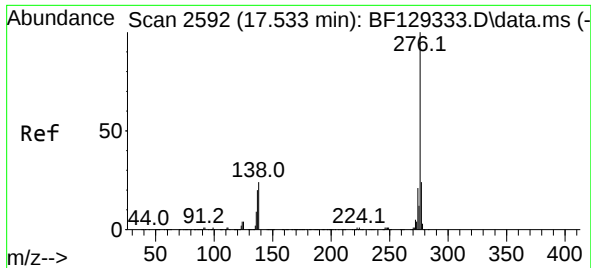
Reviewed By :Christian Giraldo 08/02/2022
Supervised By :Jagrut Upadhyay 08/02/2022



#90
Benzo(a)pyrene
Concen: 6.792 ng
RT: 15.463 min Scan# 2240
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Tgt Ion:252 Resp: 138855
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.6
125 12.7 8.8 13.2





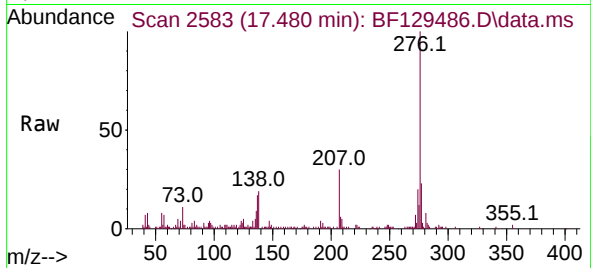
#92
 Benzo(g,h,i)perylene
 Concen: 3.278 ng
 RT: 17.480 min Scan# 2583
 Delta R.T. -0.012 min
 Lab File: BF129486.D
 Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER



Tgt Ion:276	Resp:	6969
Ion Ratio	Lower	Upper
276	100	
277	23.4	19.1 28.7
138	19.5	18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/02/2022
 Supervised By :Jagrut Upadhyay 08/02/2022

