

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

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)

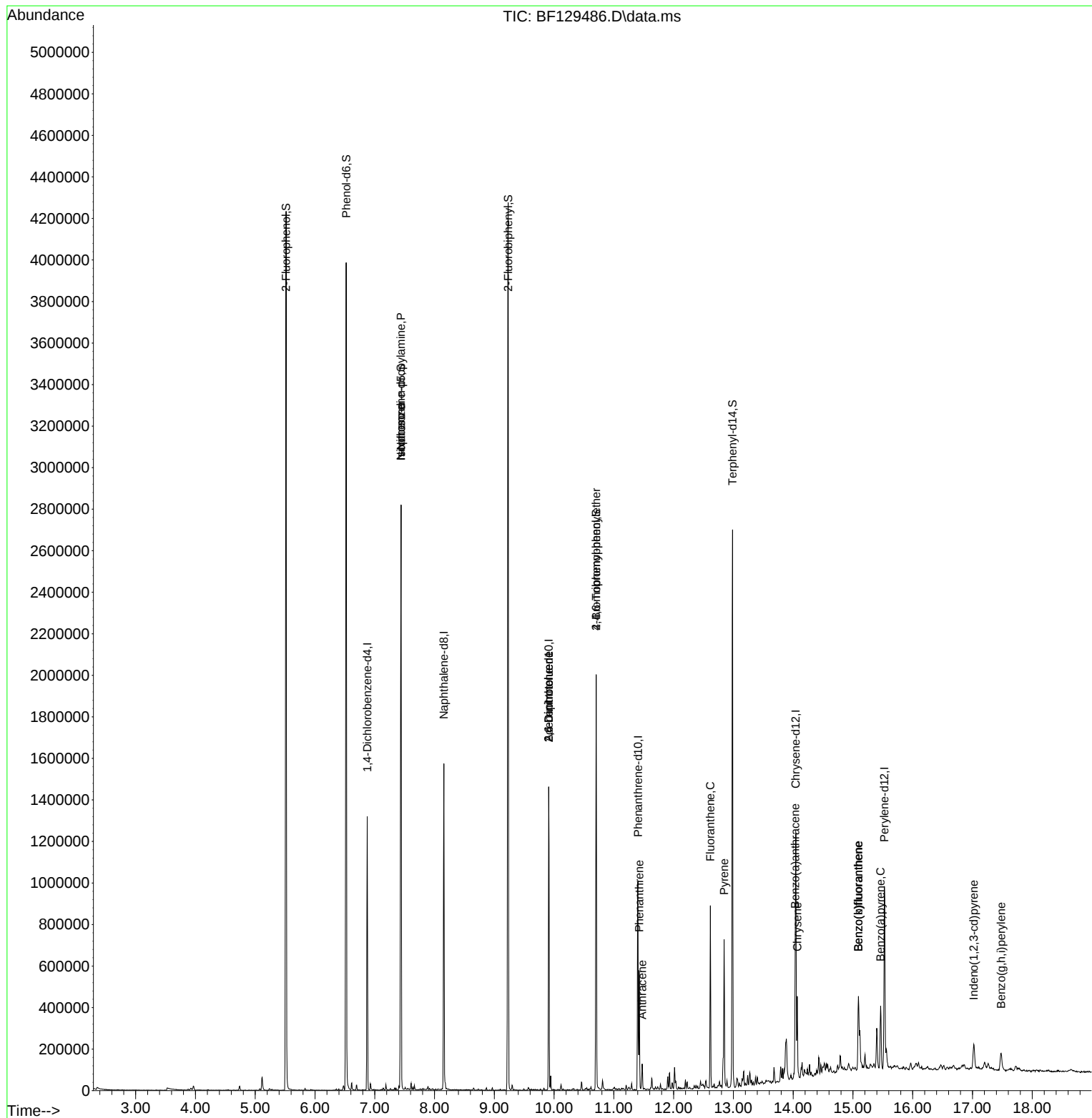
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	169476	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	642902	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	282598	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	366906	20.000	ng	0.00
76) Chrysene-d12	14.045	240	326128	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.439	70	109812	13.871	ng	# 74
25) Isophorone	7.439	82	834850	39.546	ng	# 65
51) 2,6-Dinitrotoluene	9.910	165	36961	8.465	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	36961	6.480	ng	# 21
67) 4-Bromophenyl-phenylether	10.704	248	12438	3.096	ng	# 1
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	255745	10.155	ng	98
89) Benzo(k)fluoranthene	15.092	252	255745	10.363	ng	98
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

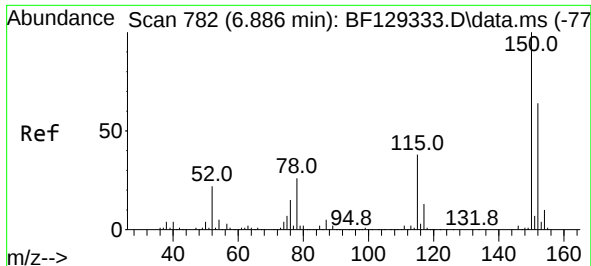
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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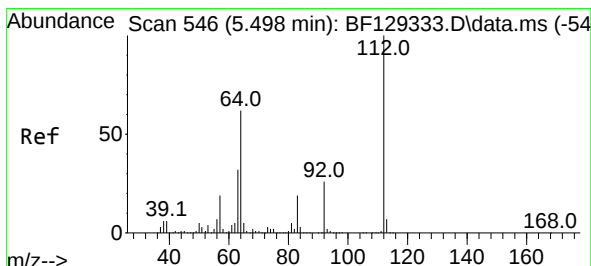
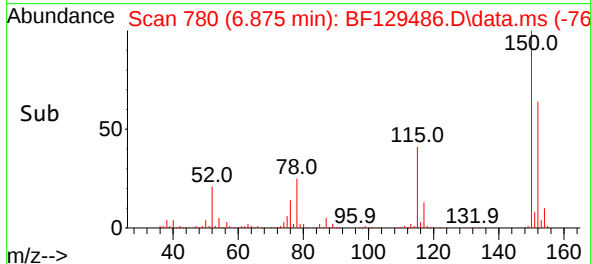
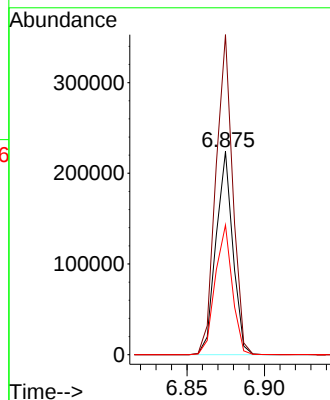
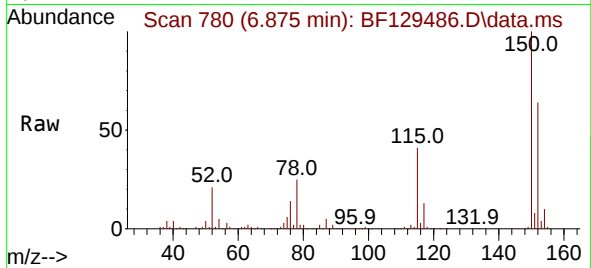




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

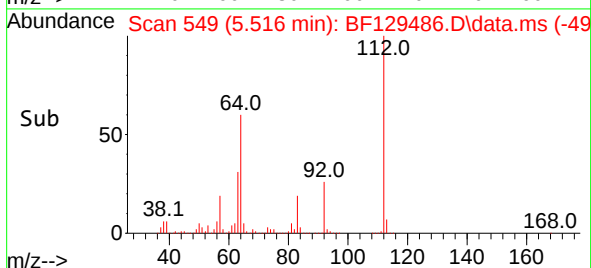
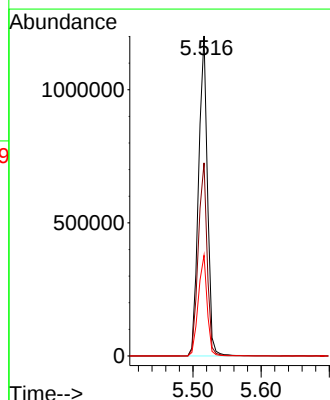
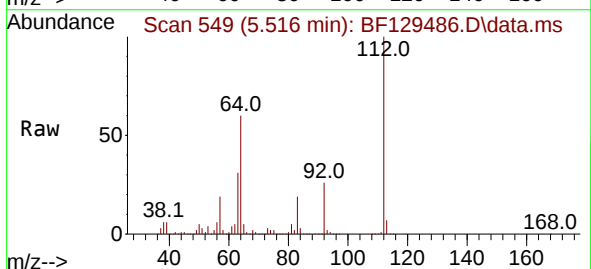
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER

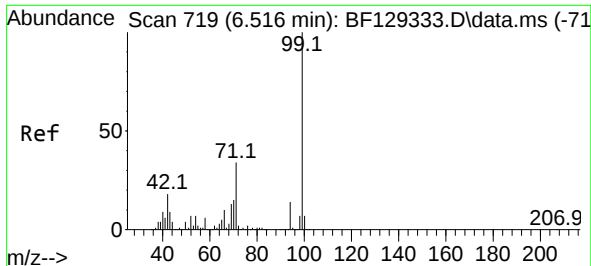
Tgt Ion:152 Resp: 169476
Ion Ratio Lower Upper
152 100
150 157.5 123.7 185.5
115 63.8 49.9 74.9



#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

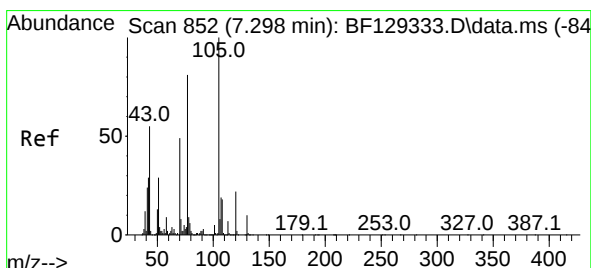
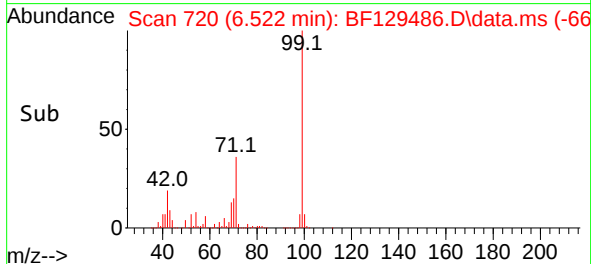
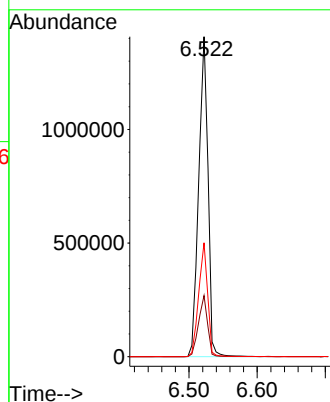
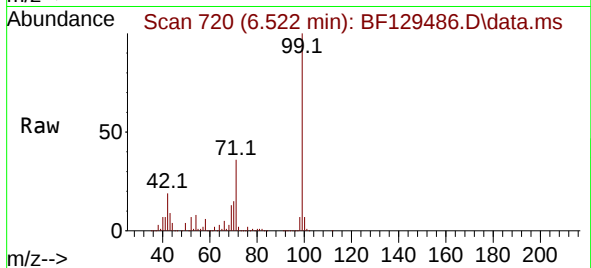




#7
Phenol-d6
Concen: 101.461 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

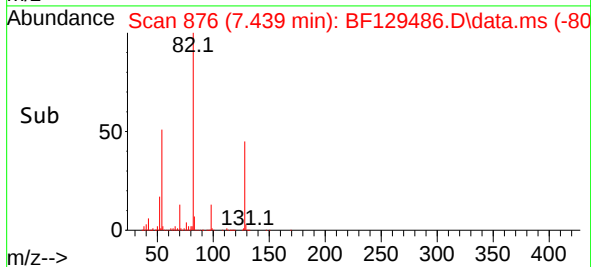
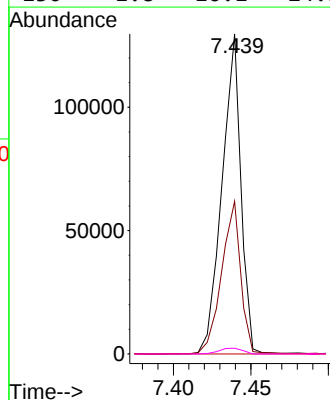
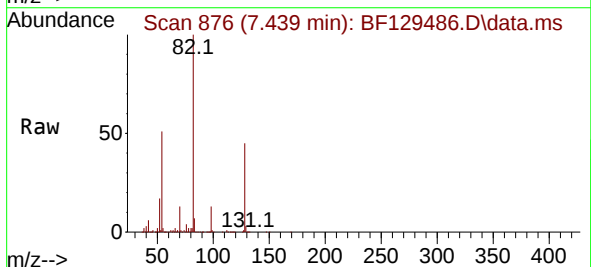
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER

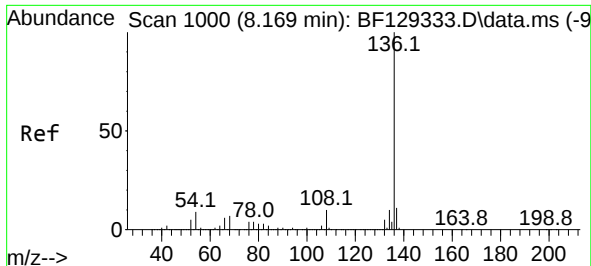
Tgt Ion: 99 Resp: 1326791
Ion Ratio Lower Upper
99 100
42 19.1 17.3 25.9
71 35.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.871 ng
RT: 7.439 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Tgt Ion: 70 Resp: 109812
Ion Ratio Lower Upper
70 100
42 47.7 52.3 78.5#
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#



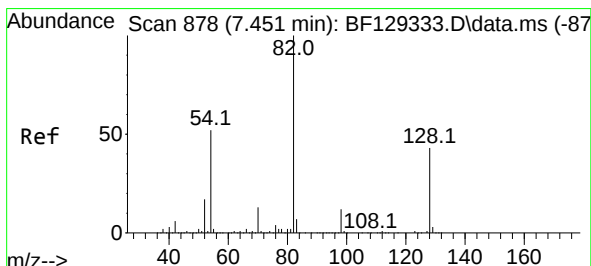
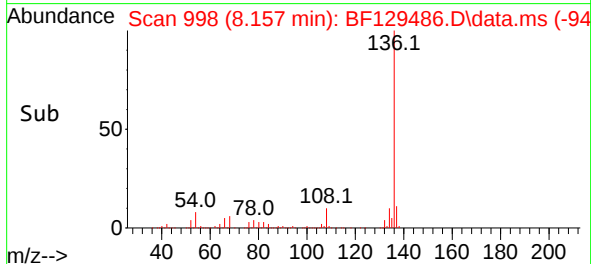
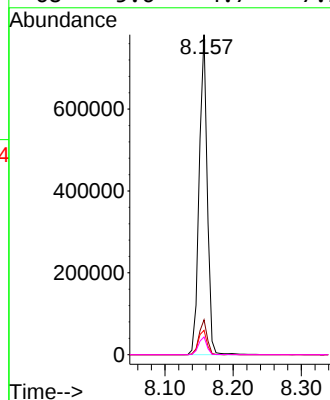
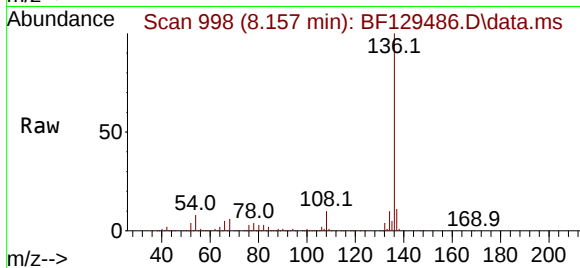


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Instrument :
BNA_F
ClientSampleId :
MHB-LOWER

Tgt Ion:136 Resp: 642902

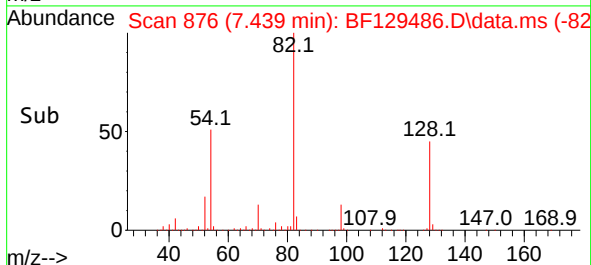
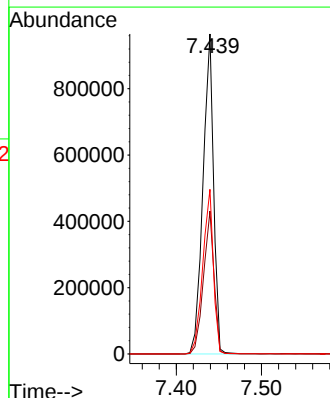
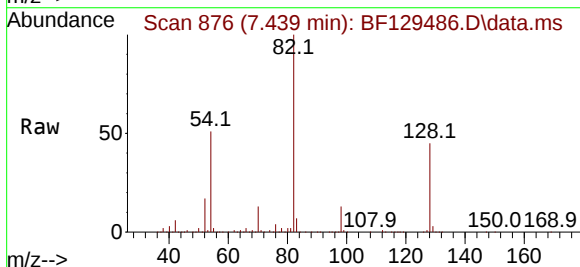
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.6	7.5	11.3
68	5.6	4.7	7.1

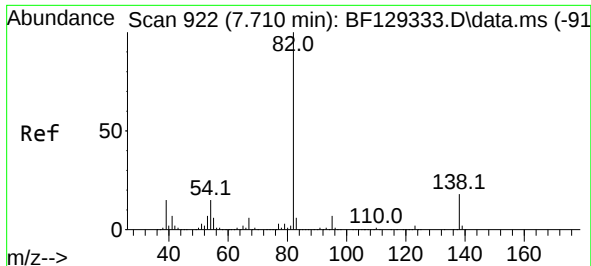


#23
Nitrobenzene-d5
Concen: 70.888 ng
RT: 7.439 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

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

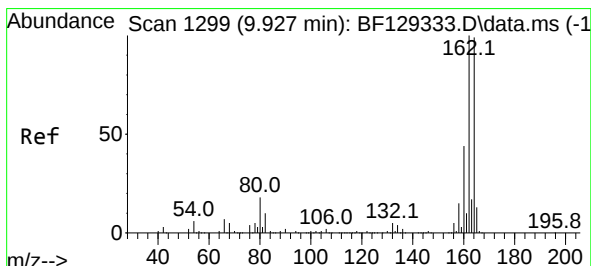
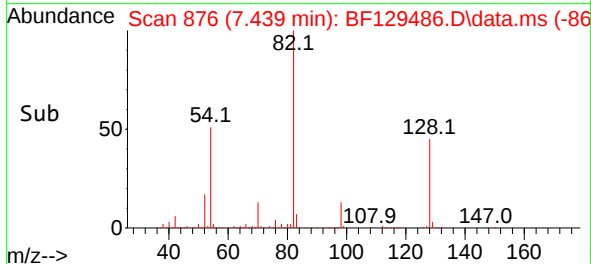
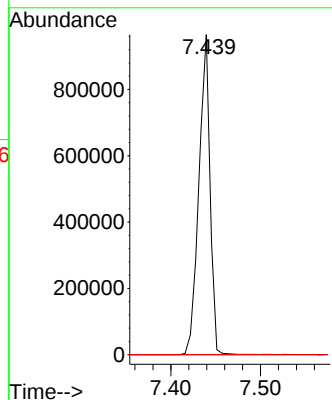
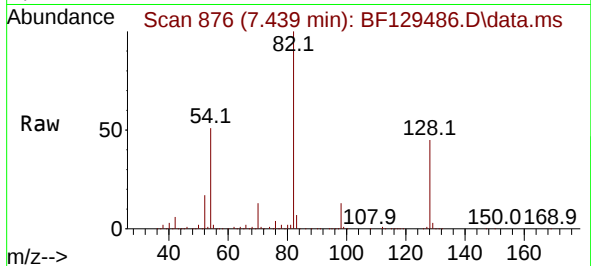




#25
Isophorone
Concen: 39.546 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

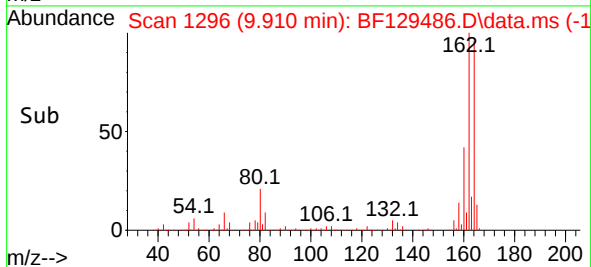
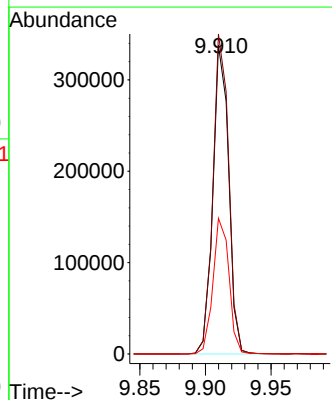
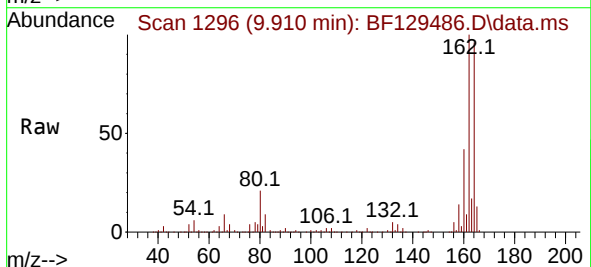
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER

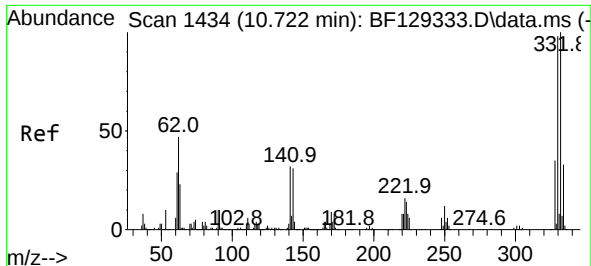
Tgt Ion: 82 Resp: 834850
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#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# 1434

Delta R.T. -0.006 min

Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

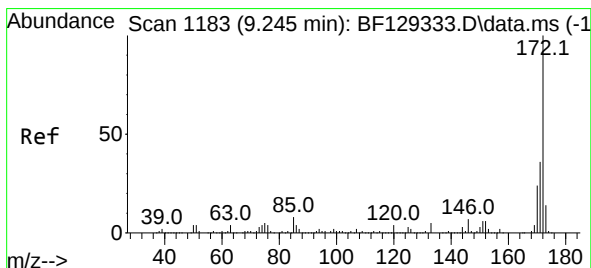
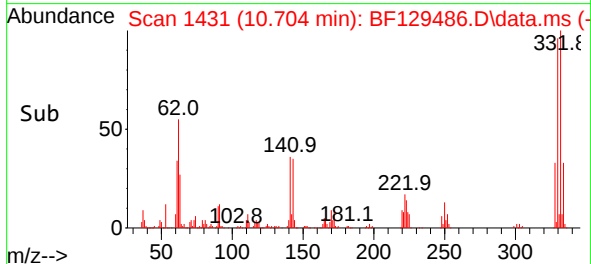
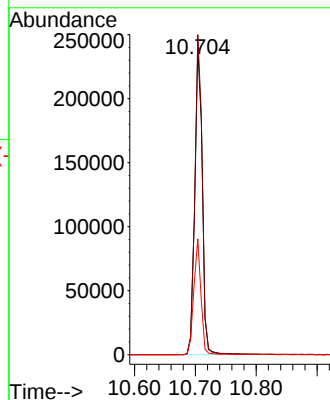
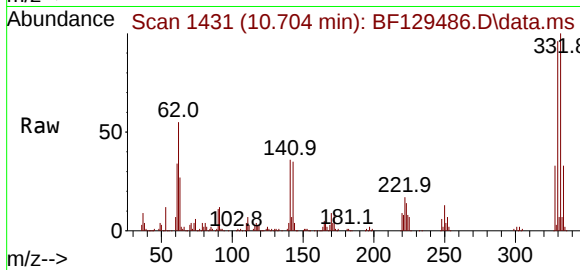
Tgt Ion:330 Resp: 206974

Ion Ratio Lower Upper

330 100

332 102.3 76.8 115.2

141 36.0 28.0 42.0



#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

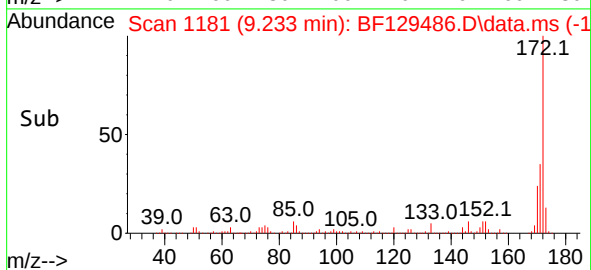
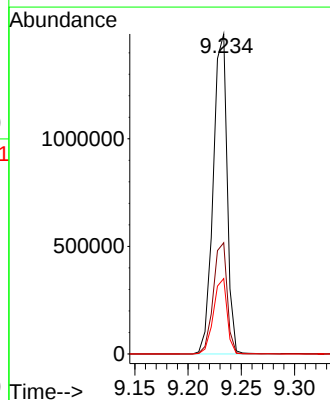
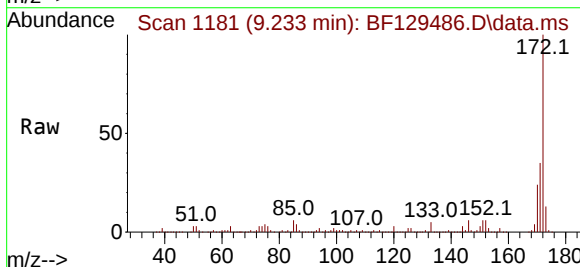
Tgt Ion:172 Resp: 1357726

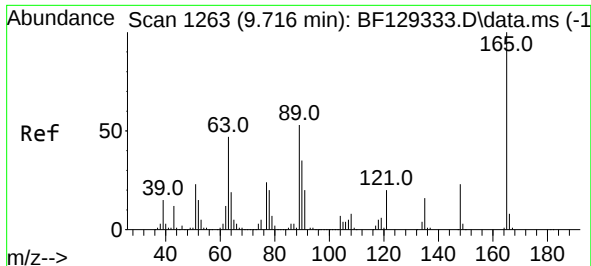
Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 23.5 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.465 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.206 min

Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

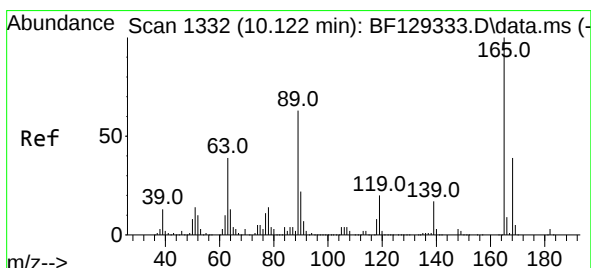
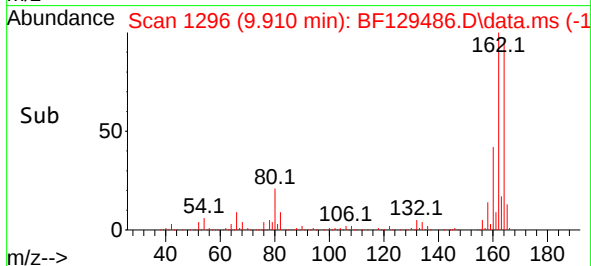
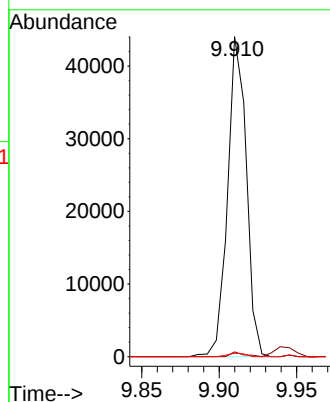
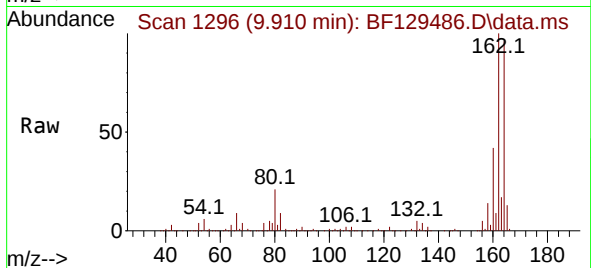
Tgt Ion:165 Resp: 36961

Ion Ratio Lower Upper

165 100

63 1.5 44.9 67.3#

89 1.1 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.480 ng

RT: 9.910 min Scan# 1296

Delta R.T. -0.200 min

Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

Tgt Ion:165 Resp: 36961

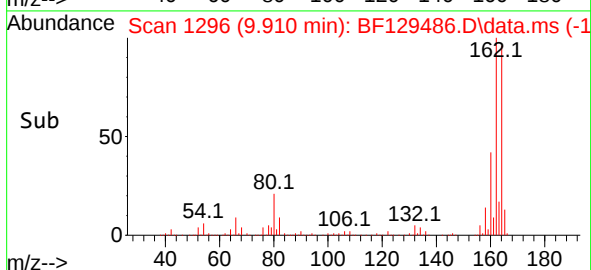
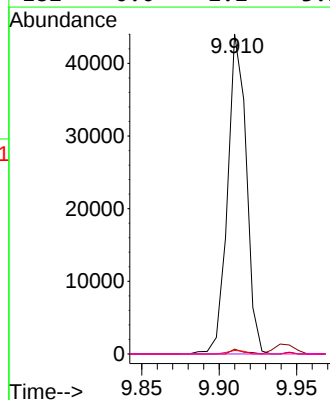
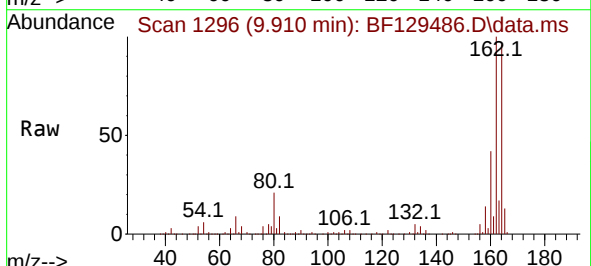
Ion Ratio Lower Upper

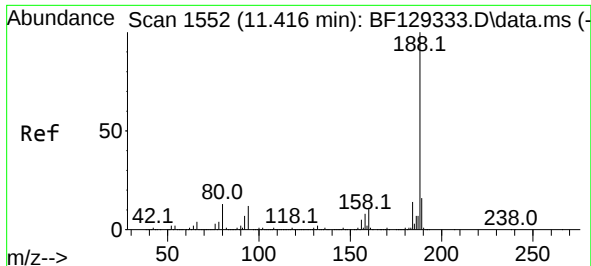
165 100

63 1.5 39.8 59.6#

89 1.1 60.2 90.2#

182 0.0 2.2 3.2#

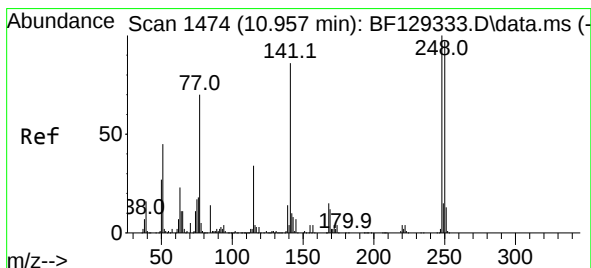
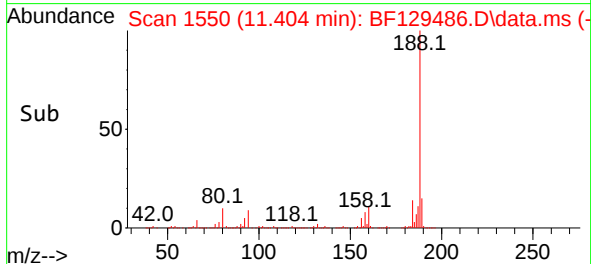
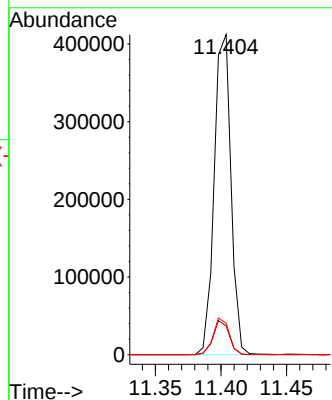
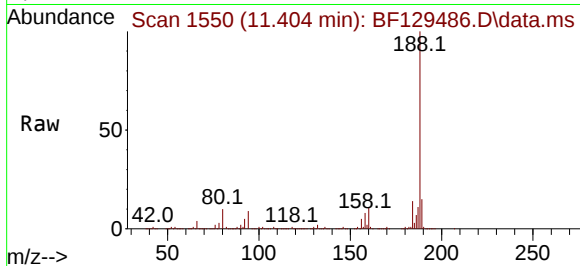




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

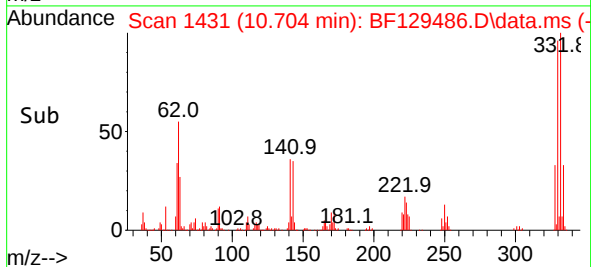
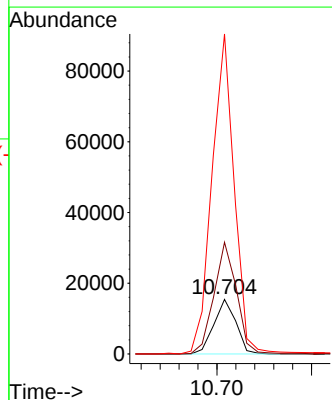
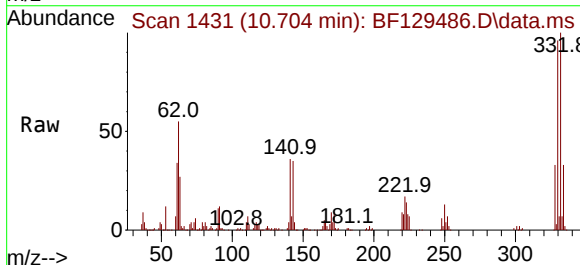
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER

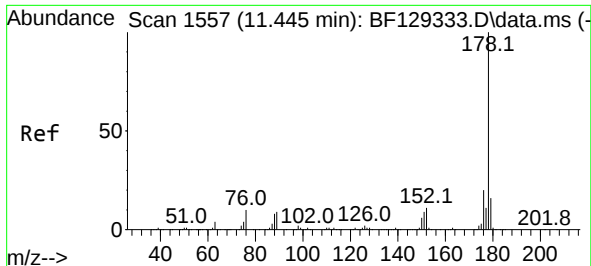
Tgt Ion:188 Resp: 366906
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.8 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.096 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.241 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Tgt Ion:248 Resp: 12438
Ion Ratio Lower Upper
248 100
250 204.5 80.6 120.8#
141 586.0 58.9 88.3#

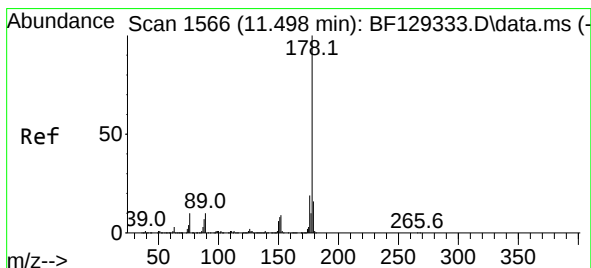
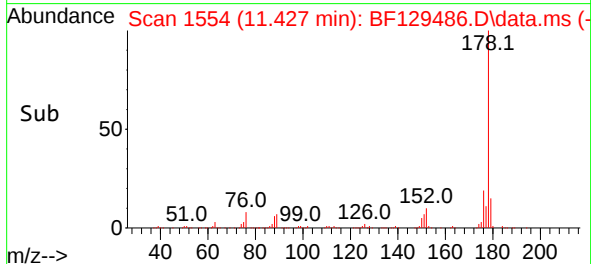
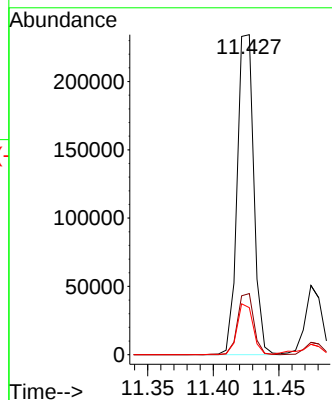
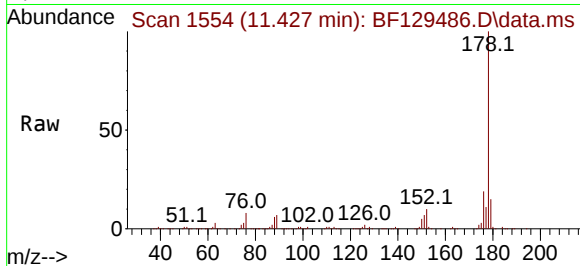




#71
Phenanthrene
Concen: 10.342 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

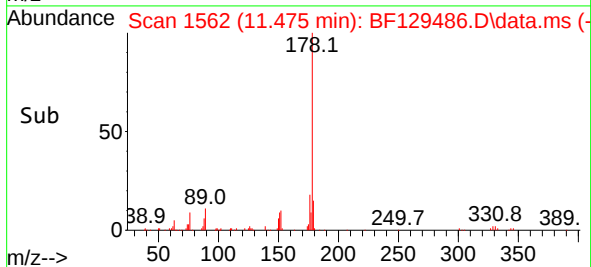
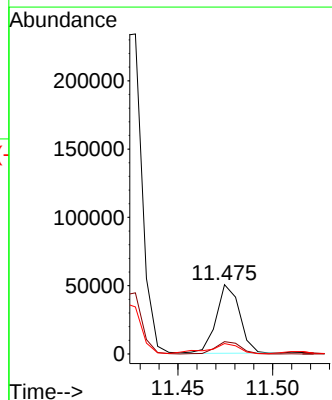
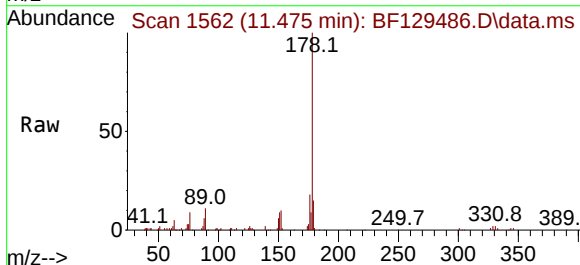
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER

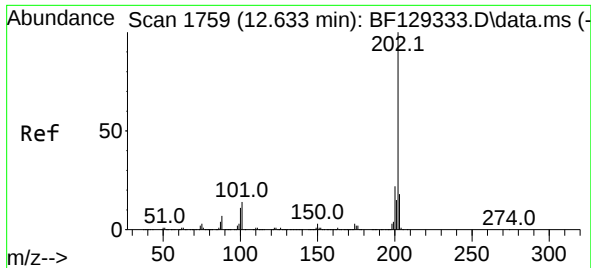
Tgt Ion:178 Resp: 207134
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.7 12.6 19.0



#72
Anthracene
Concen: 2.205 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

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

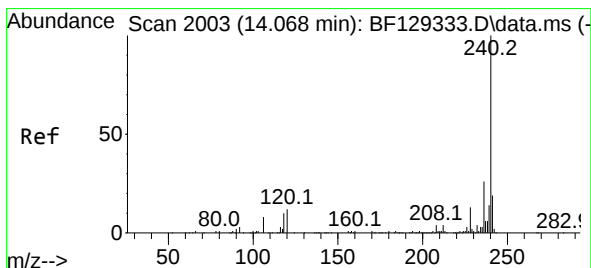
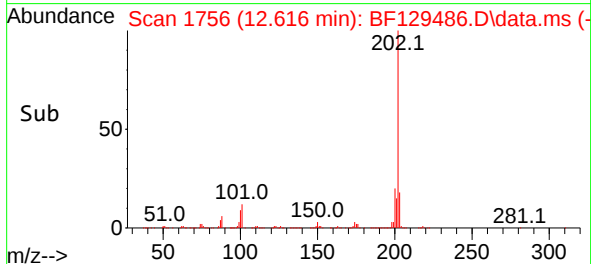
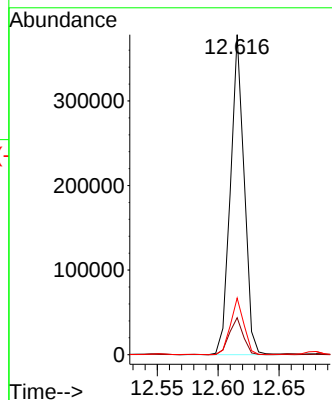
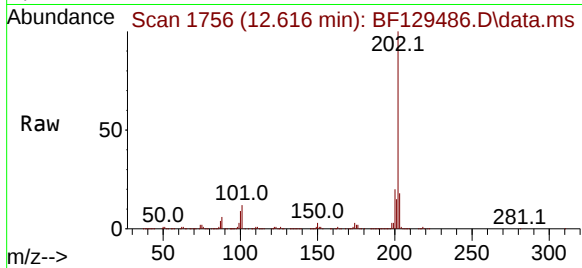




#75
Fluoranthene
Concen: 14.633 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

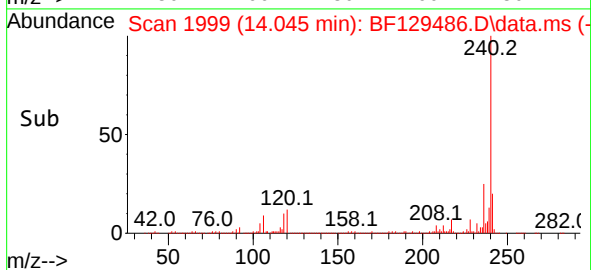
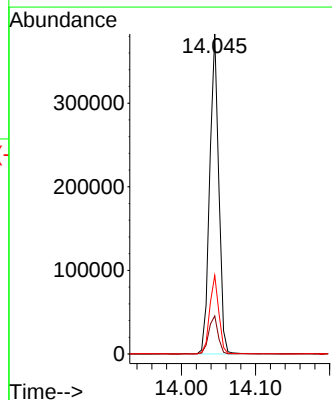
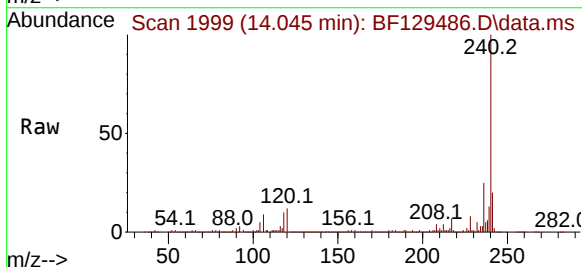
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER

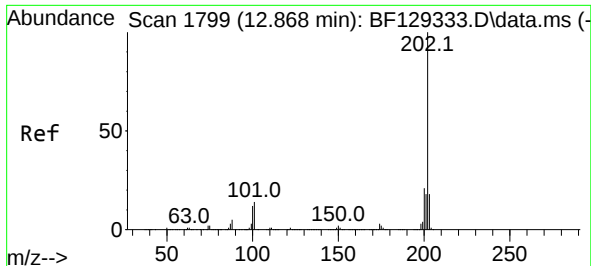
Tgt Ion:202 Resp: 296961
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 17.7 0.0 38.0



#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

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

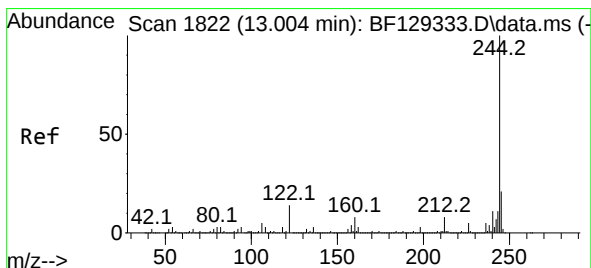
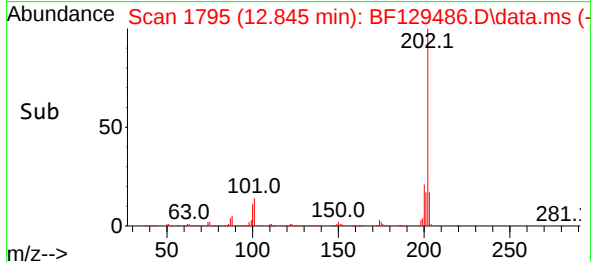
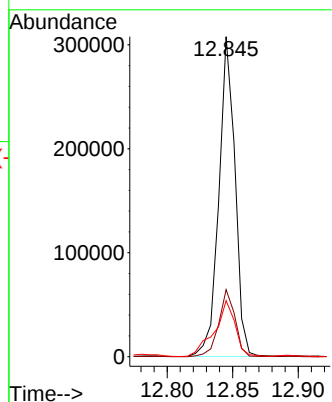
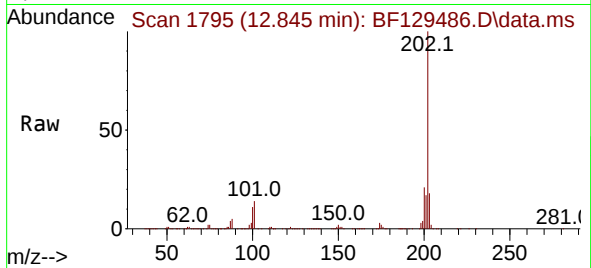




#78
Pyrene
Concen: 9.651 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

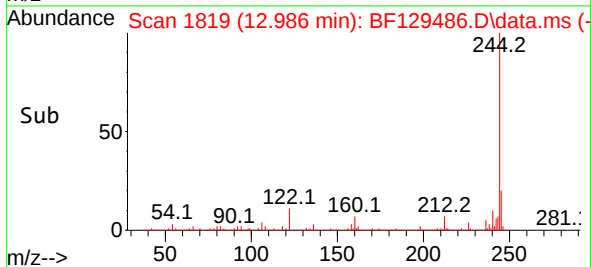
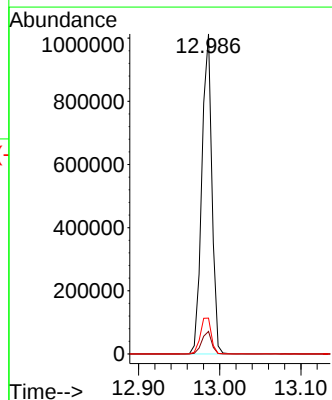
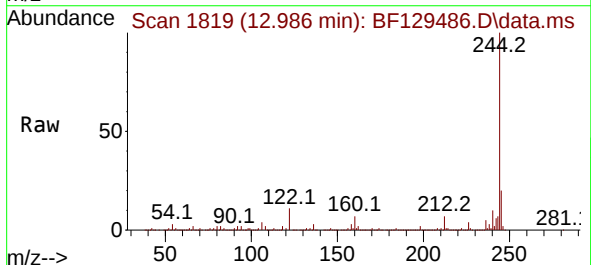
Instrument :
BNA_F
ClientSampleId :
MHB-LOWER

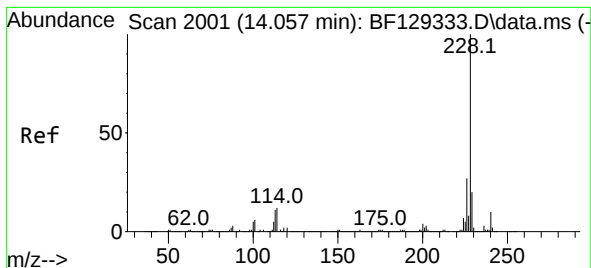
Tgt Ion:202 Resp: 263208
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.5 14.6 21.8



#79
Terphenyl-d14
Concen: 50.539 ng
RT: 12.986 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

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





#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

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

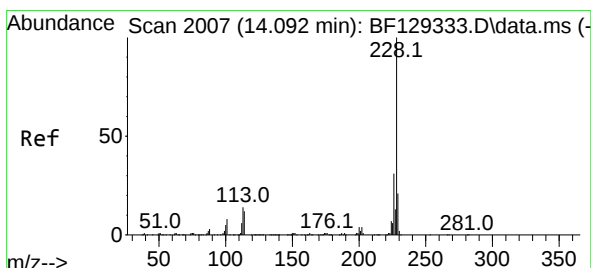
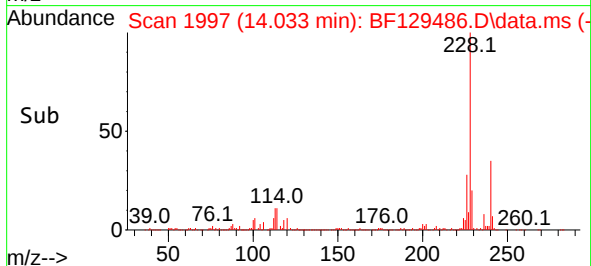
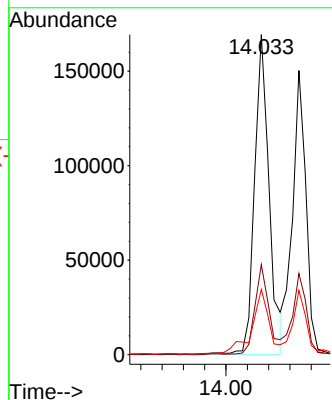
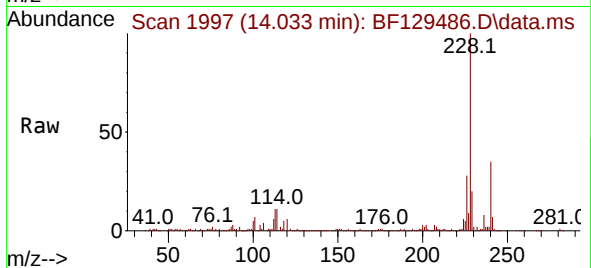
Tgt Ion:228 Resp: 160042

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# 2003

Delta R.T. -0.006 min

Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

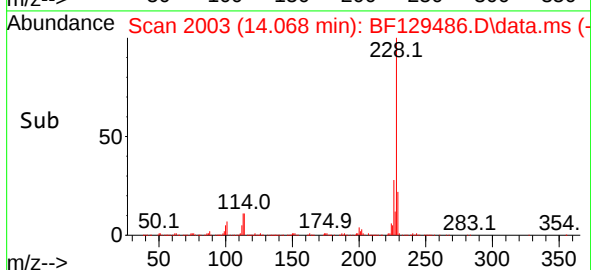
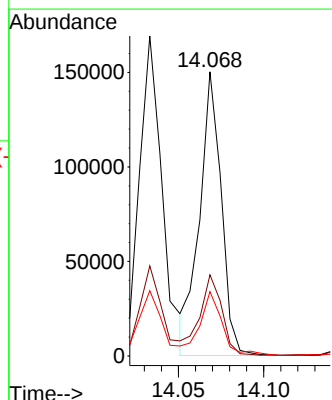
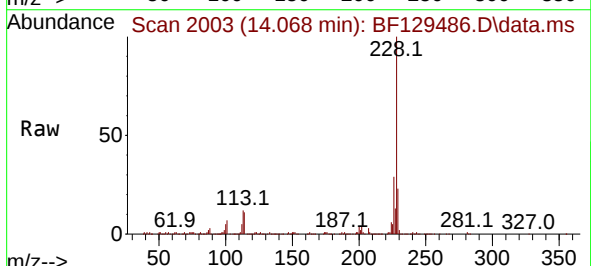
Tgt Ion:228 Resp: 132955

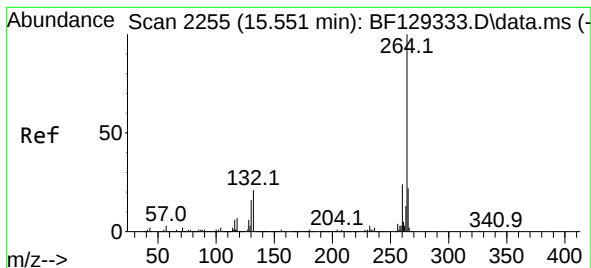
Ion Ratio Lower Upper

228 100

226 28.5 24.3 36.5

229 22.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

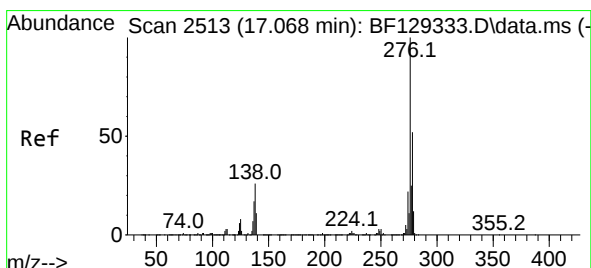
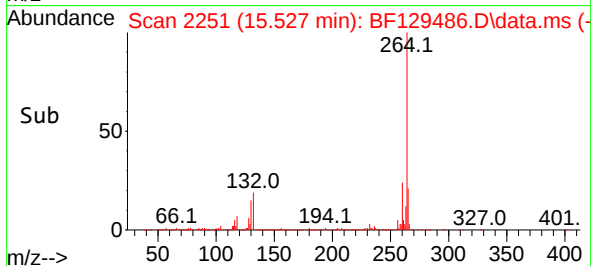
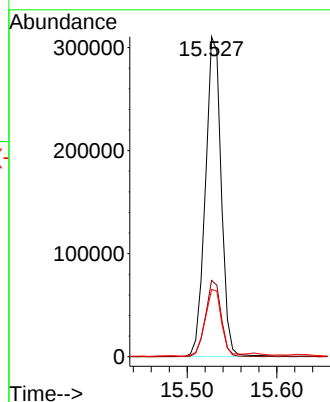
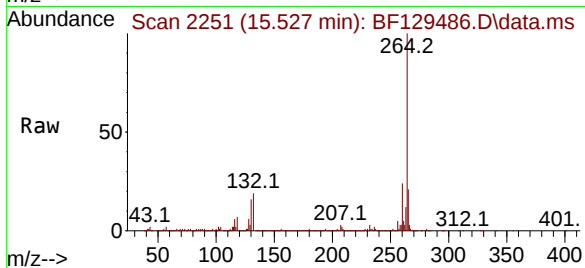
Tgt Ion:264 Resp: 379655

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# 2505

Delta R.T. -0.012 min

Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

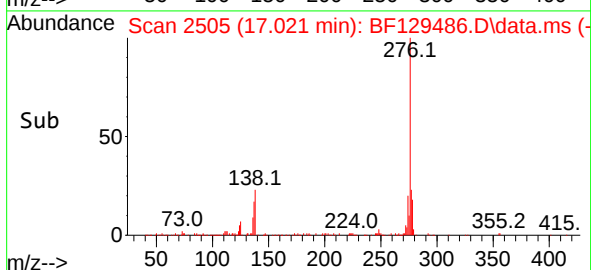
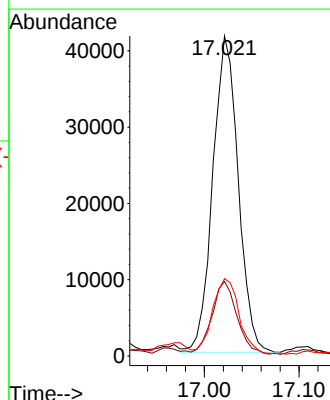
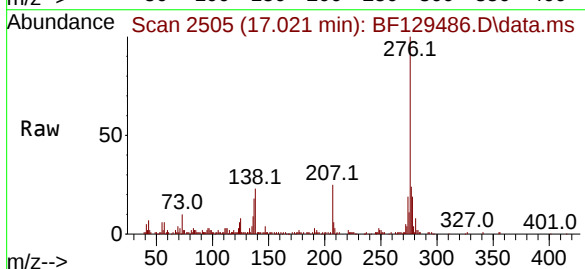
Tgt Ion:276 Resp: 77292

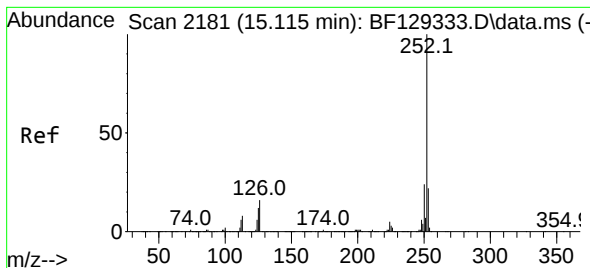
Ion Ratio Lower Upper

276 100

138 22.5 21.1 31.7

277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 10.155 ng

RT: 15.092 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

Instrument :

BNA_F

ClientSampleId :

MHB-LOWER

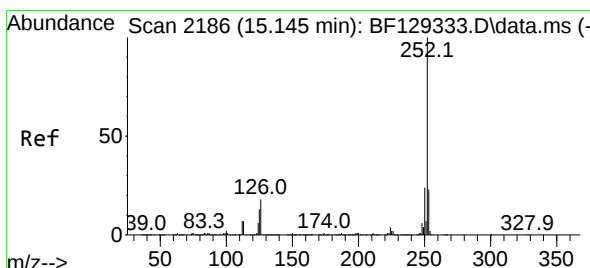
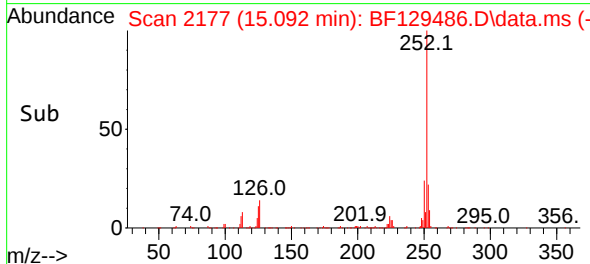
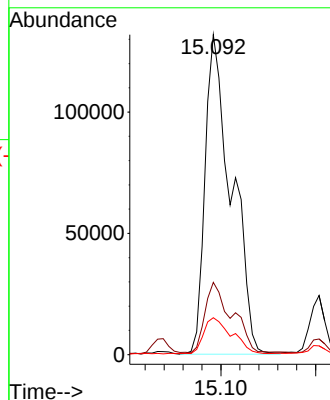
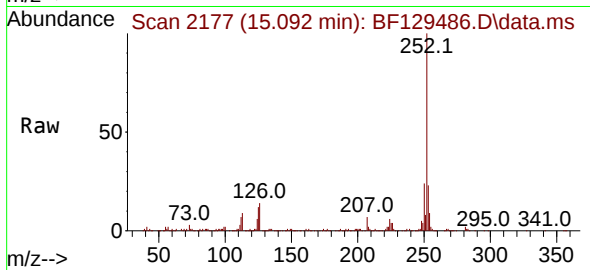
Tgt Ion:252 Resp: 255745

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: 10.363 ng

RT: 15.092 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF129486.D

Acq: 01 Aug 2022 22:03

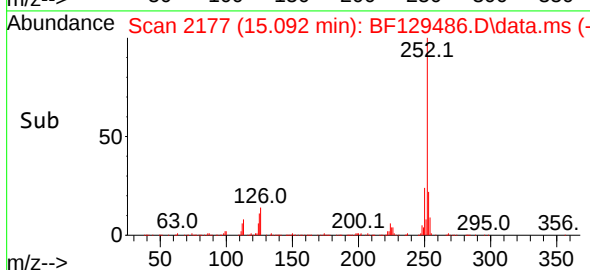
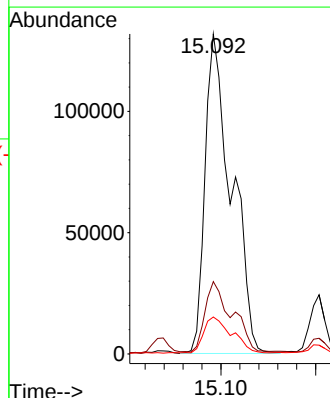
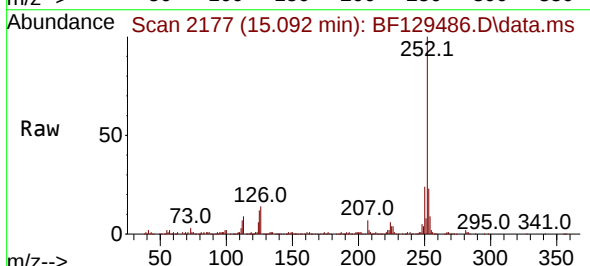
Tgt Ion:252 Resp: 255745

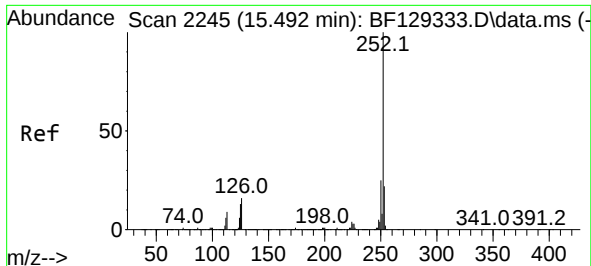
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 11.6 8.3 12.5

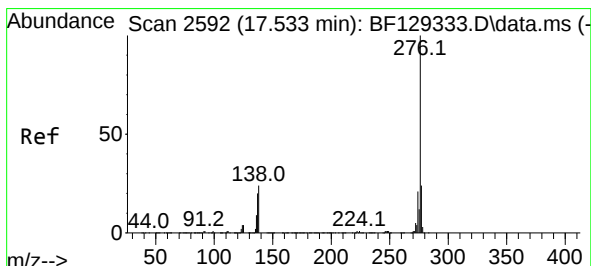
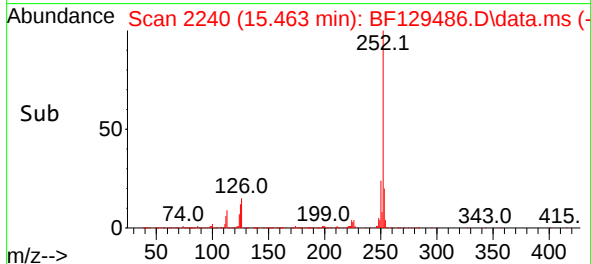
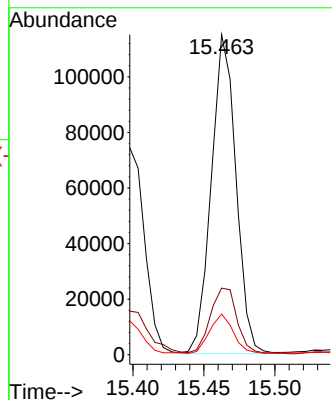
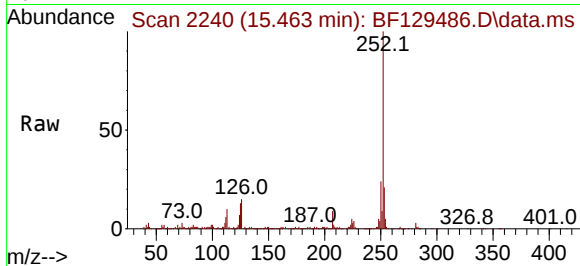




#90
Benzo(a)pyrene
Concen: 6.792 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129486.D
Acq: 01 Aug 2022 22:03

Instrument :
BNA_F
ClientSampleId :
MHB-LOWER

Tgt Ion:252 Resp: 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

Tgt Ion:276 Resp: 69695
Ion Ratio Lower Upper
276 100
277 23.4 19.1 28.7
138 19.5 18.0 27.0

