

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
 Data File : BF127831.D
 Acq On : 18 Apr 2022 18:01
 Operator : CG\JU
 Sample : N2446-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 339

Quant Time: Apr 19 05:16:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

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

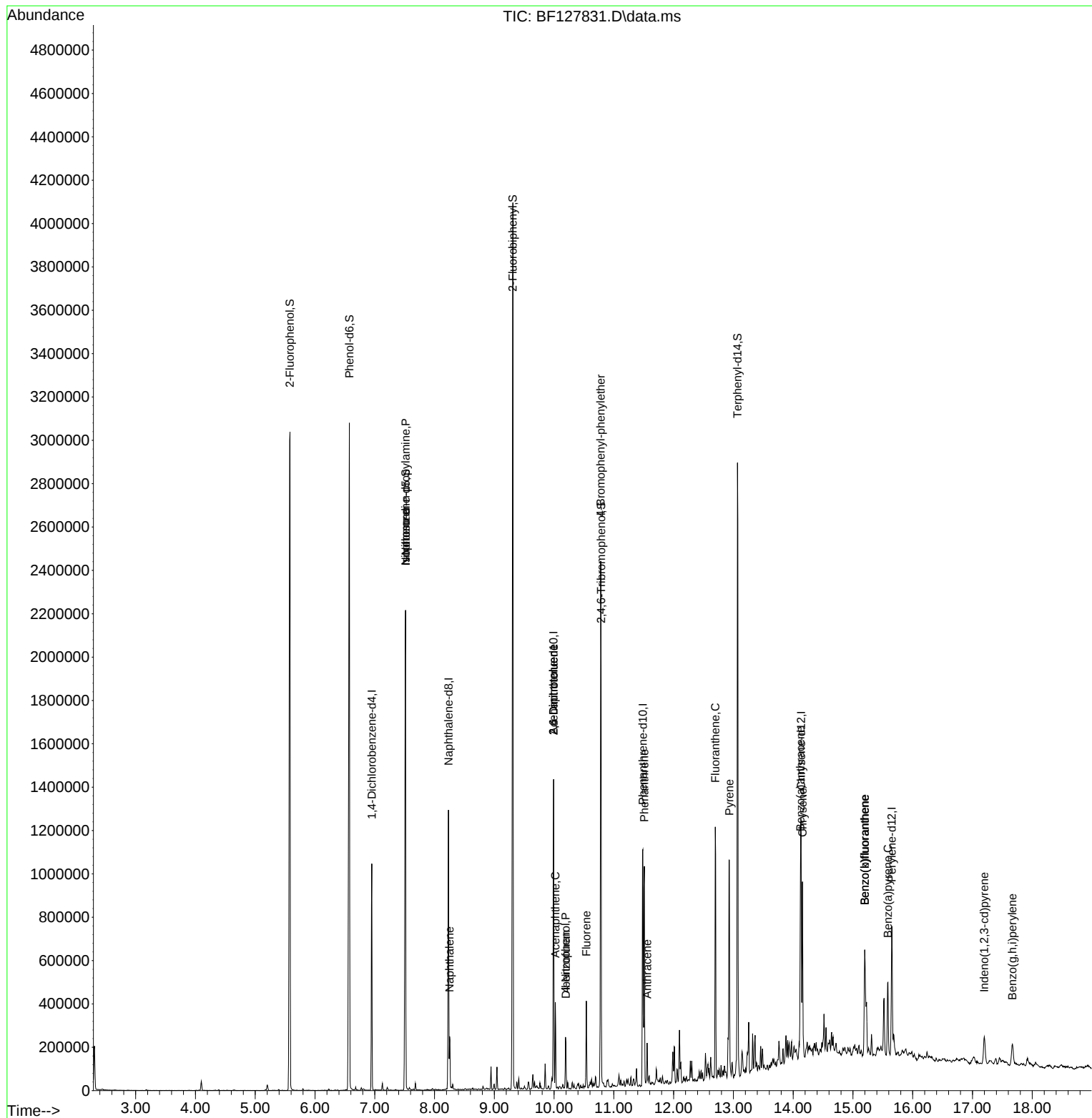
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	143826	20.000	ng	-0.01
21) Naphthalene-d8	8.234	136	520996	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	274263	20.000	ng	-0.01
64) Phenanthrene-d10	11.486	188	435073	20.000	ng	0.00
76) Chrysene-d12	14.133	240	316129	20.000	ng	-0.01
86) Perylene-d12	15.651	264	286471	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	871417	98.450	ng	0.00
7) Phenol-d6	6.575	99	1107144	95.613	ng	-0.01
23) Nitrobenzene-d5	7.516	82	788785	67.496	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	285926	97.968	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1206995	62.258	ng	-0.01
79) Terphenyl-d14	13.069	244	1040811	54.344	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.498	77	314	Below Cal	#	66
19) n-Nitroso-di-n-propyla...	7.516	70	107106	14.301	ng	# 72
25) Isophorone	7.516	82	784112	38.452	ng	# 70
31) Naphthalene	8.251	128	99999	3.663	ng	100
51) 2,6-Dinitrotoluene	9.992	165	36687	9.790	ng	# 17
52) Acenaphthene	10.022	154	71526	4.478	ng	96
55) Dibenzofuran	10.198	168	87081	3.736	ng	97
56) 4-Nitrophenol	10.192	139	33434	10.752	ng	# 1
57) 2,4-Dinitrotoluene	9.992	165	36687	7.897	ng	# 14
58) Fluorene	10.539	166	96048	5.577	ng	99
67) 4-Bromophenyl-phenylether	10.780	248	18826	3.565	ng	# 1
71) Phenanthrene	11.510	178	373785	16.215	ng	98
72) Anthracene	11.557	178	66693	2.925	ng	98
75) Fluoranthene	12.698	202	468802	18.637	ng	99
78) Pyrene	12.933	202	443578	16.617	ng	100
81) Benzo(a)anthracene	14.121	228	223937	10.606	ng	93
83) Chrysene	14.157	228	306608	15.128	ng	98
87) Indeno(1,2,3-cd)pyrene	17.198	276	93441	5.221	ng	98
88) Benzo(b)fluoranthene	15.198	252	390358	21.182	ng	99
89) Benzo(k)fluoranthene	15.198	252	390358	21.357	ng	99
90) Benzo(a)pyrene	15.586	252	180239	12.033	ng	96
92) Benzo(g,h,i)perylene	17.668	276	86311	5.805	ng	98

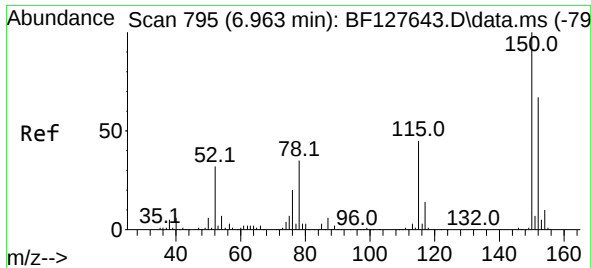
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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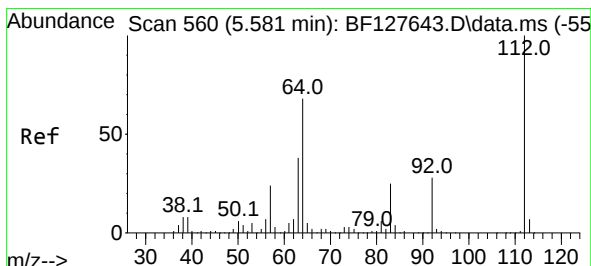
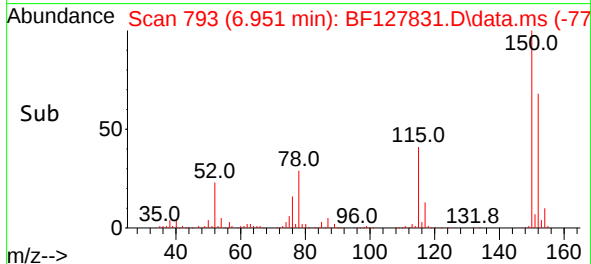
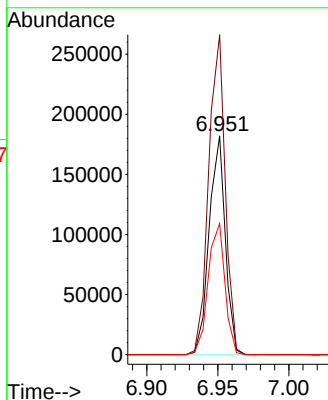
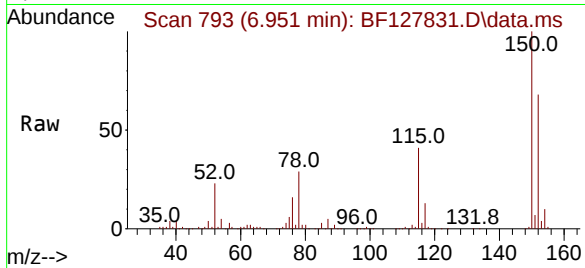




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

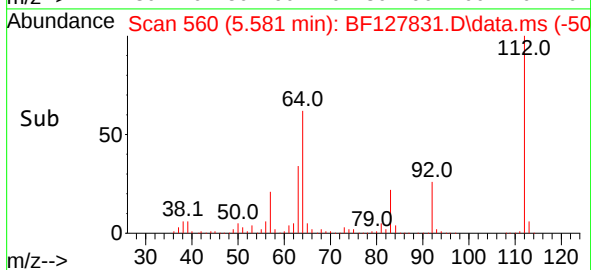
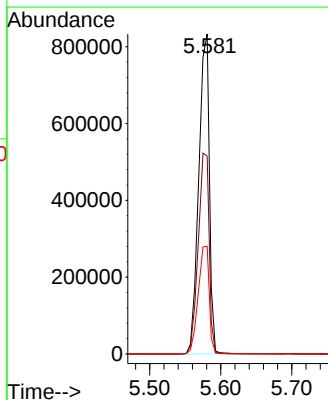
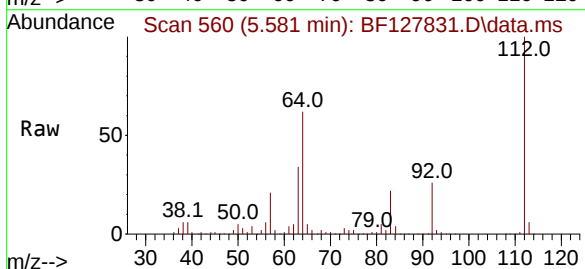
Instrument :
BNA_F
ClientSampleId :
339

Tgt Ion:152 Resp: 143826
Ion Ratio Lower Upper
152 100
150 146.2 117.2 175.8
115 60.0 49.8 74.6



#5
2-Fluorophenol
Concen: 98.450 ng
RT: 5.581 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:112 Resp: 871417
Ion Ratio Lower Upper
112 100
64 61.8 58.4 87.6
63 33.7 30.1 45.1

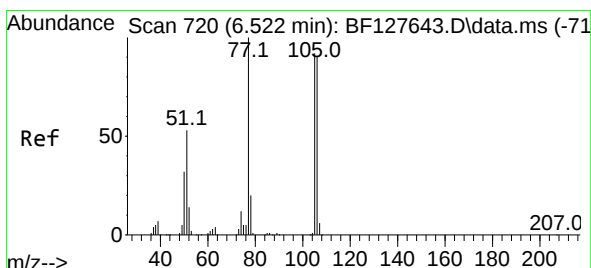
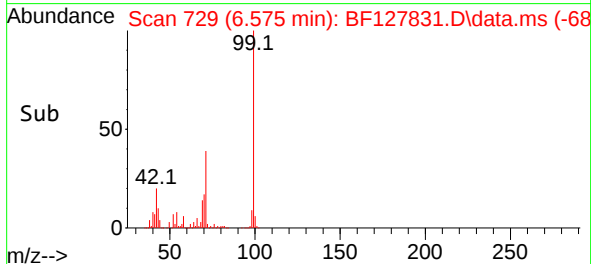
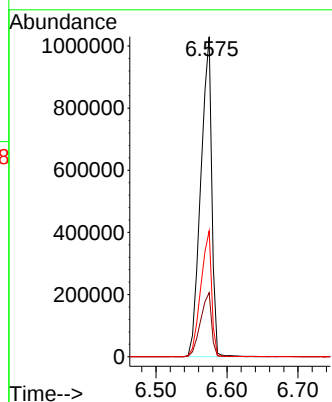
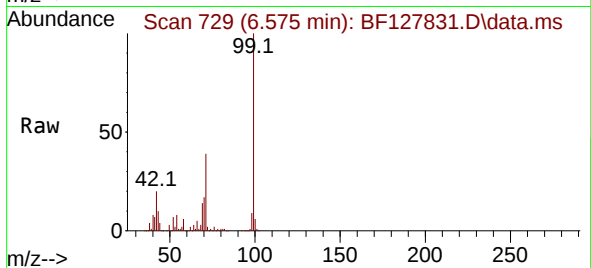




#7
Phenol-d6
Concen: 95.613 ng
RT: 6.575 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

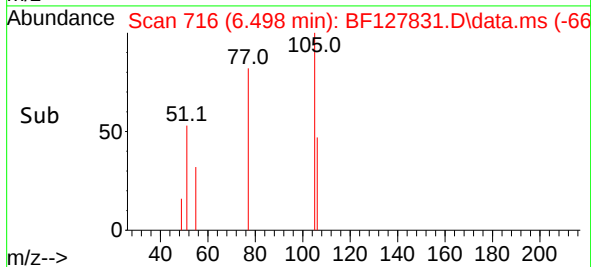
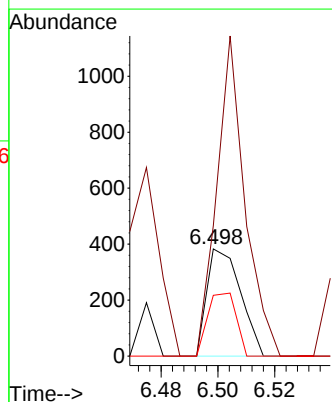
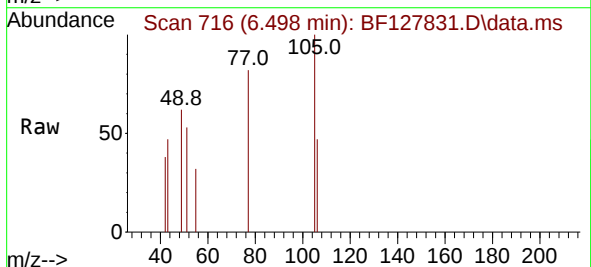
Instrument :
BNA_F
ClientSampleId :
339

Tgt Ion: 99 Resp: 1107144
Ion Ratio Lower Upper
99 100
42 20.0 17.8 26.6
71 39.3 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.498 min Scan# 716
Delta R.T. -0.018 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion: 77 Resp: 314
Ion Ratio Lower Upper
77 100
105 121.7 66.8 106.8#
106 56.7 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 14.301 ng

RT: 7.516 min Scan# 81

Delta R.T. 0.141 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

Instrument :

BNA_F

ClientSampleId :

339

Tgt Ion: 70 Resp: 107106

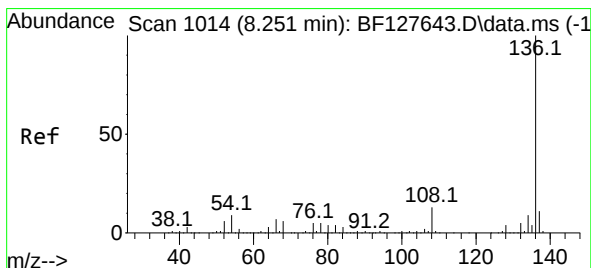
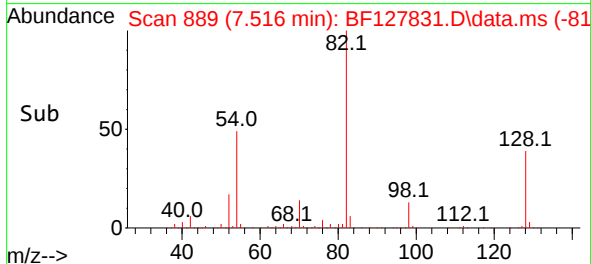
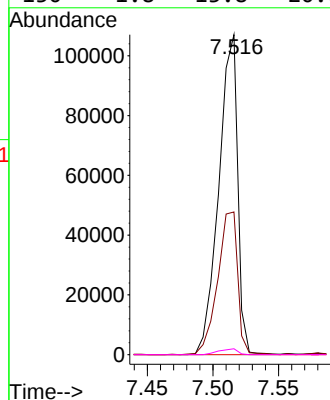
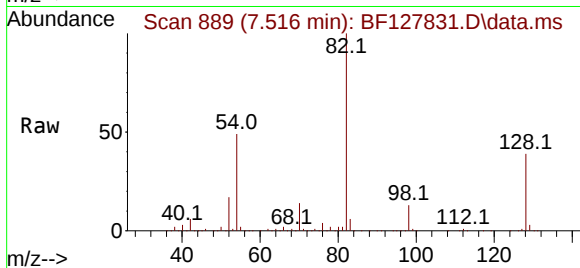
Ion Ratio Lower Upper

70 100

42 44.6 53.0 79.6#

101 0.0 6.8 10.2#

130 1.8 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.234 min Scan# 1011

Delta R.T. -0.012 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

Tgt Ion: 136 Resp: 520996

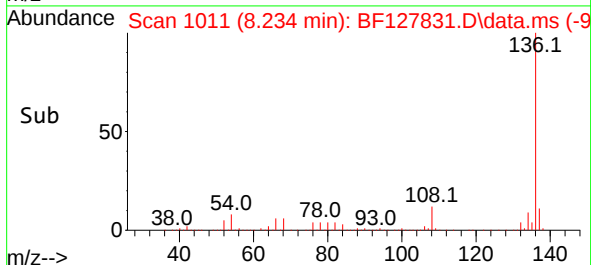
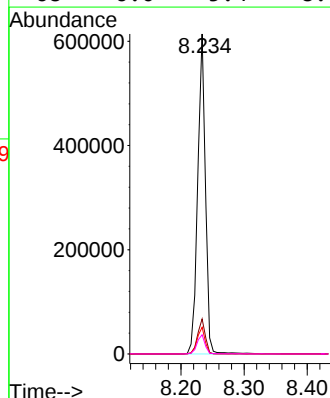
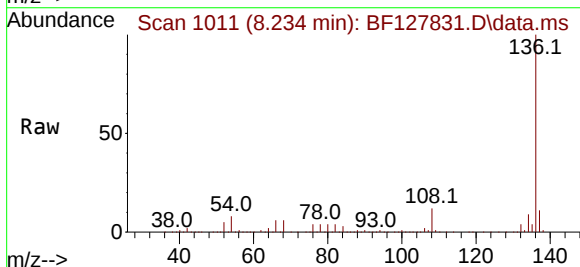
Ion Ratio Lower Upper

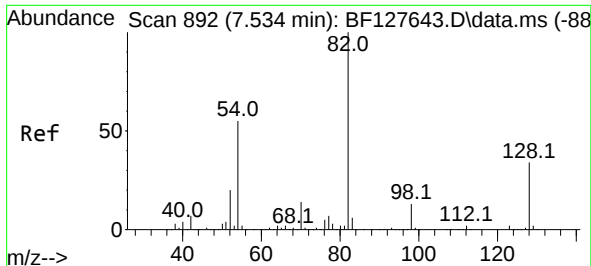
136 100

137 10.9 8.6 13.0

54 8.3 9.2 13.8#

68 6.0 5.4 8.0





#23

Nitrobenzene-d5

Concen: 67.496 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

Instrument :

BNA_F

ClientSampleId :

339

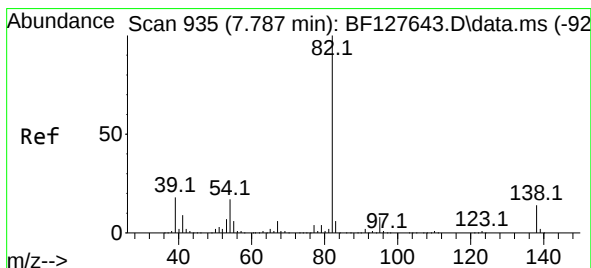
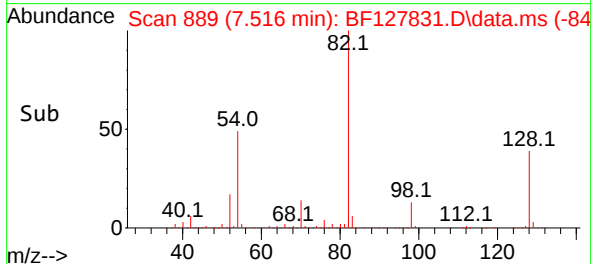
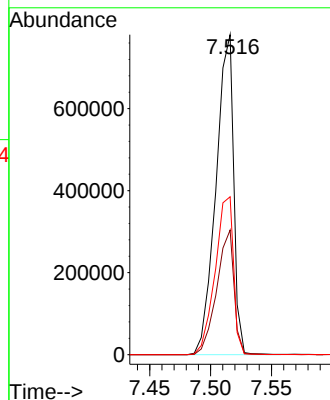
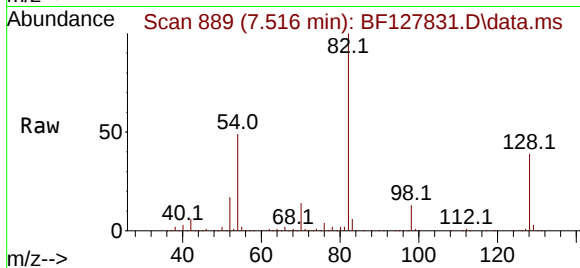
Tgt Ion: 82 Resp: 788785

Ion Ratio Lower Upper

82 100

128 38.9 30.6 45.8

54 49.4 48.2 72.2



#25

Isophorone

Concen: 38.452 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.271 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

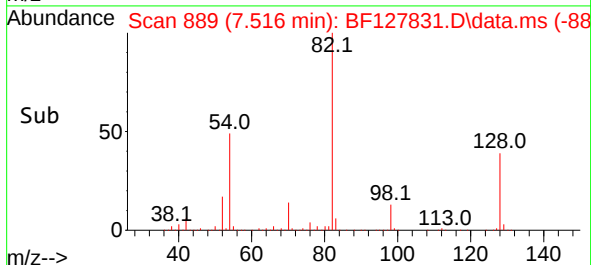
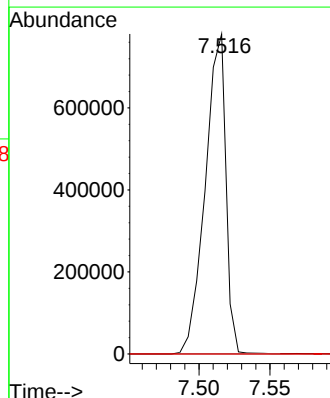
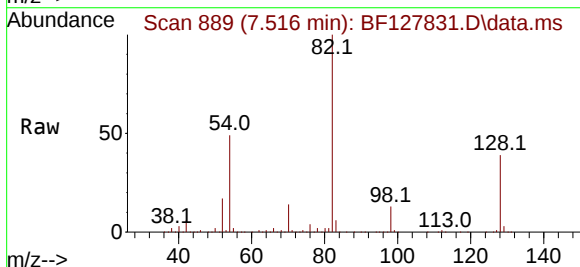
Tgt Ion: 82 Resp: 784112

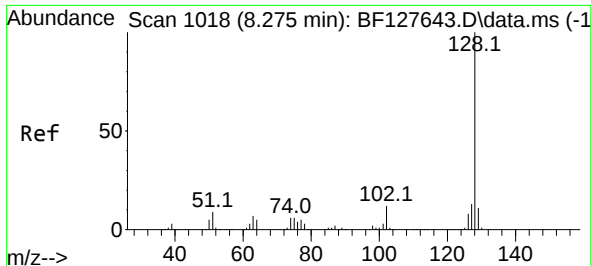
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

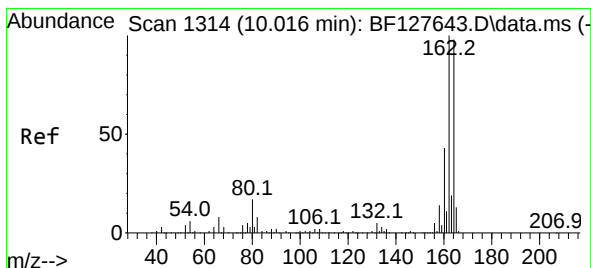
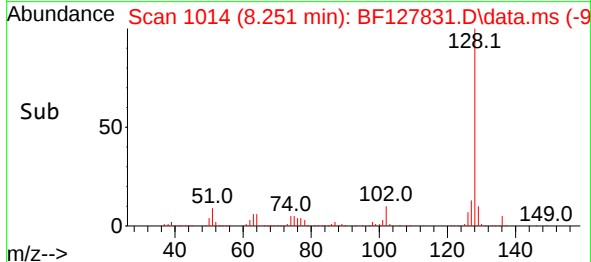
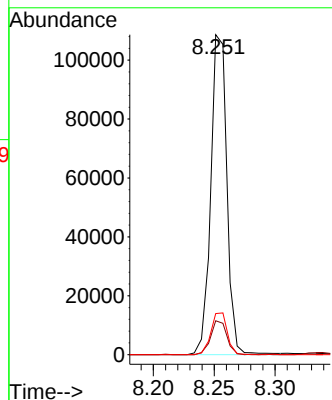
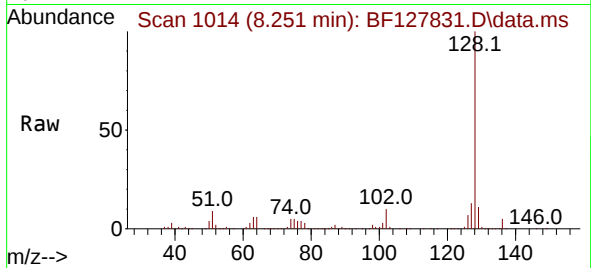




#31
Naphthalene
Concen: 3.663 ng
RT: 8.251 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

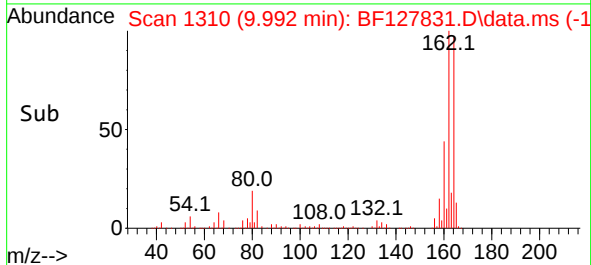
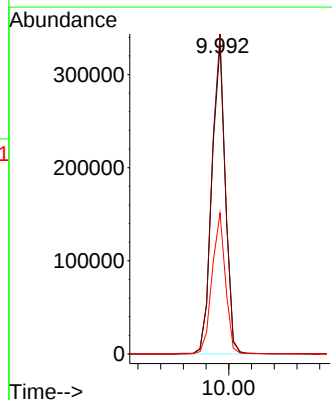
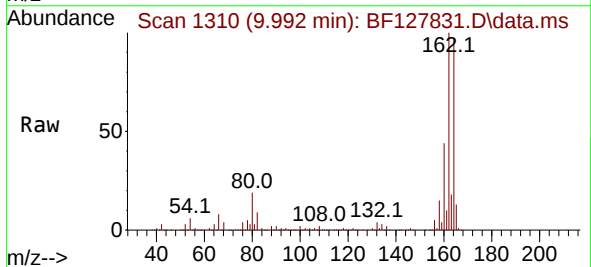
Instrument :
BNA_F
ClientSampleId :
339

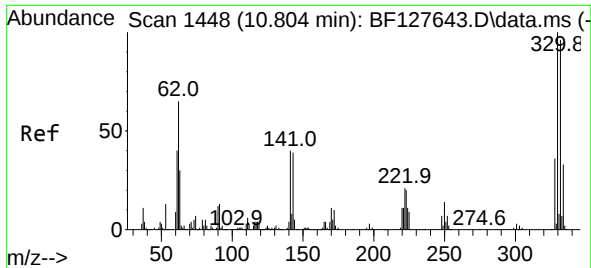
Tgt Ion:128 Resp: 99999
Ion Ratio Lower Upper
128 100
129 10.6 8.4 12.6
127 12.8 10.2 15.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

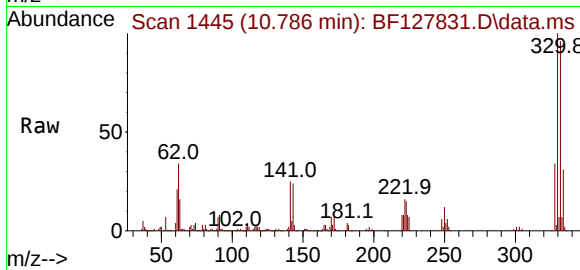
Tgt Ion:164 Resp: 274263
Ion Ratio Lower Upper
164 100
162 103.2 81.2 121.8
160 45.5 34.6 52.0



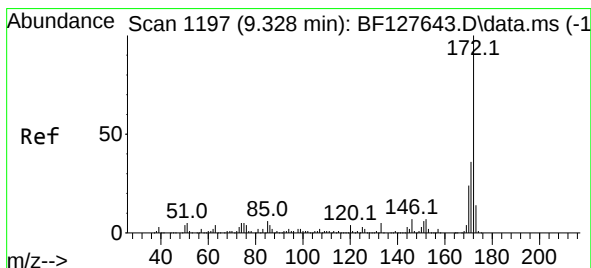
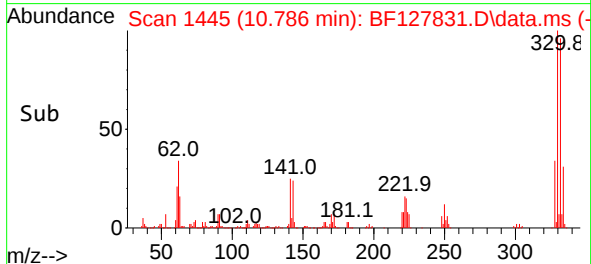
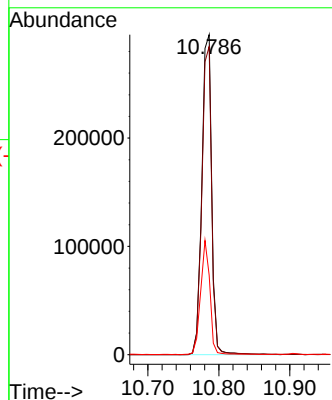


#42
2,4,6-Tribromophenol
Concen: 97.968 ng
RT: 10.786 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Instrument :
BNA_F
ClientSampleId :
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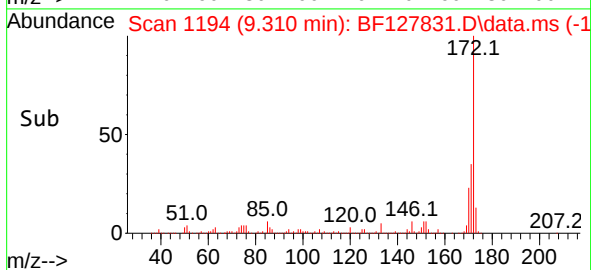
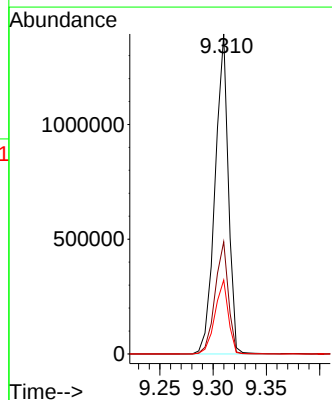
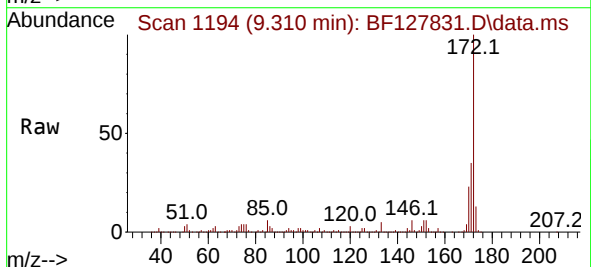


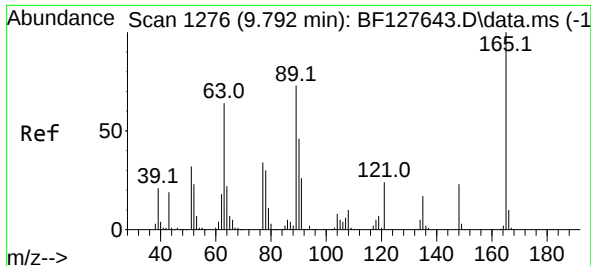
Tgt Ion:330 Resp: 285926
Ion Ratio Lower Upper
330 100
332 95.8 79.1 118.7
141 33.7 26.2 39.4



#45
2-Fluorobiphenyl
Concen: 62.258 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:172 Resp: 1206995
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.1 18.6 27.8

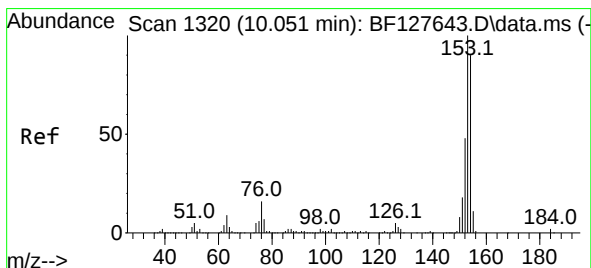
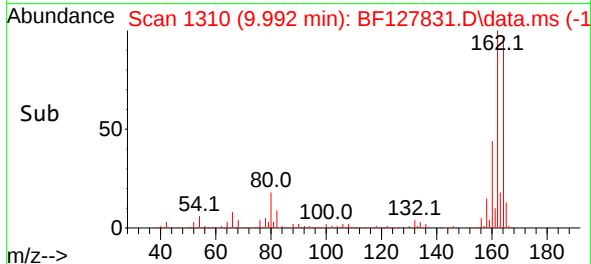
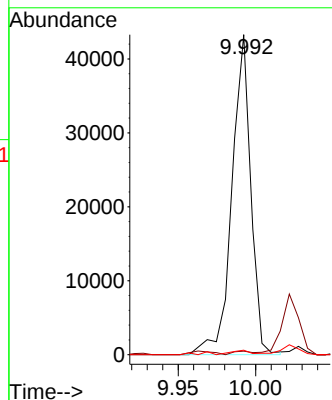
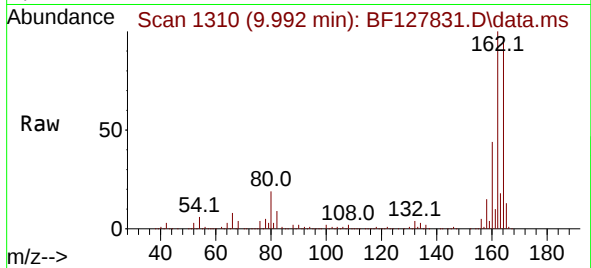




#51
2,6-Dinitrotoluene
Concen: 9.790 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

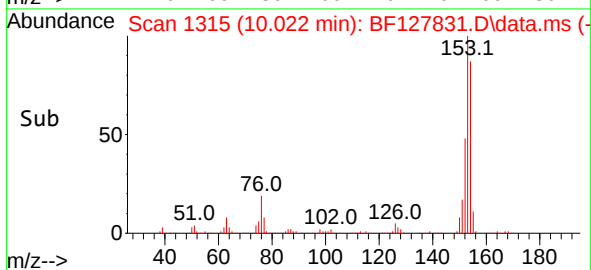
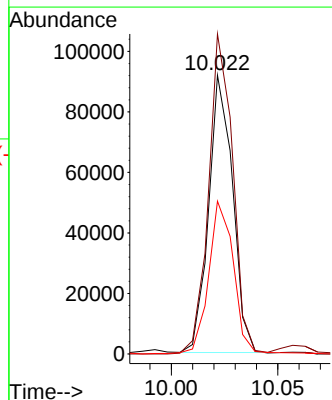
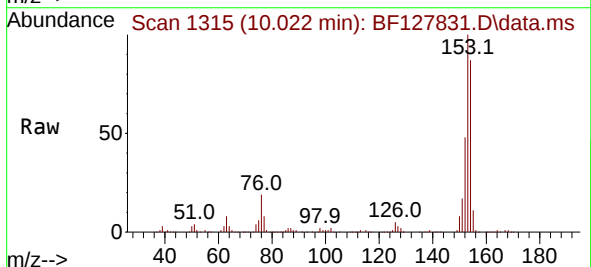
Instrument :
BNA_F
ClientSampleId :
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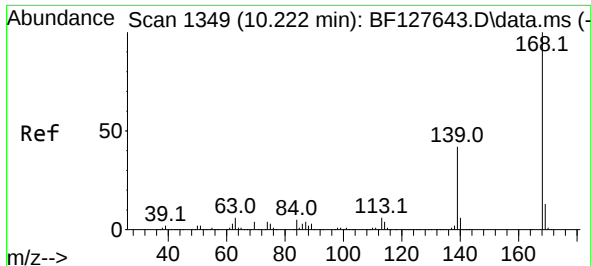
Tgt Ion:165 Resp: 36687
Ion Ratio Lower Upper
165 100
63 1.1 58.3 87.5#
89 1.4 51.5 77.3#



#52
Acenaphthene
Concen: 4.478 ng
RT: 10.022 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:154 Resp: 71526
Ion Ratio Lower Upper
154 100
153 114.8 87.6 131.4
152 54.9 42.9 64.3

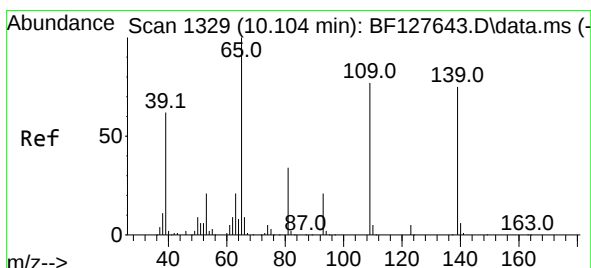
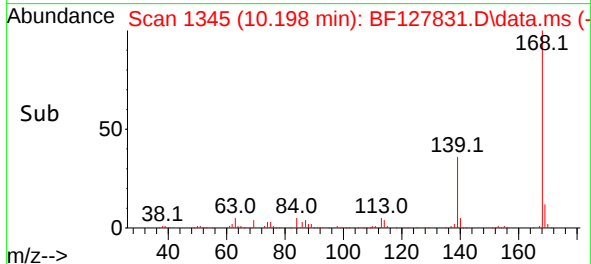
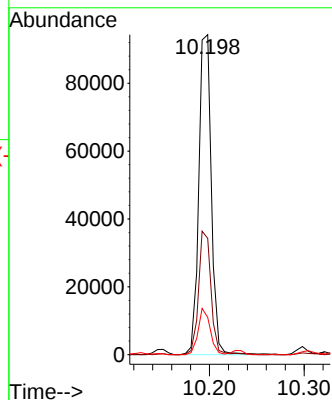
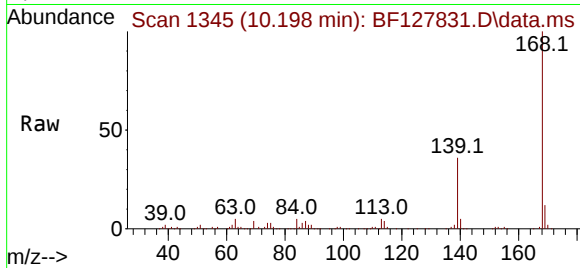




#55
Dibenzenofuran
Concen: 3.736 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

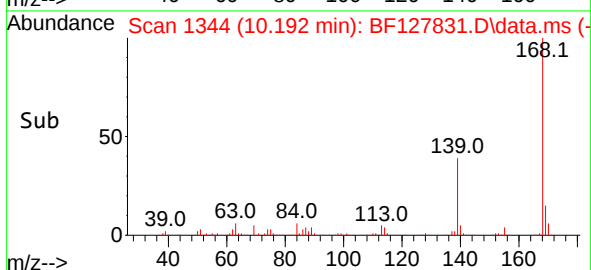
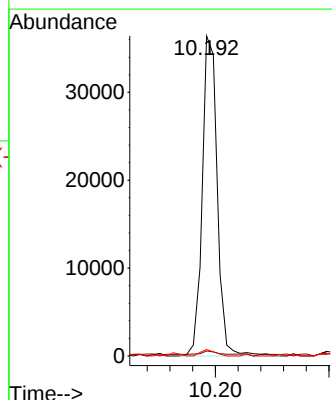
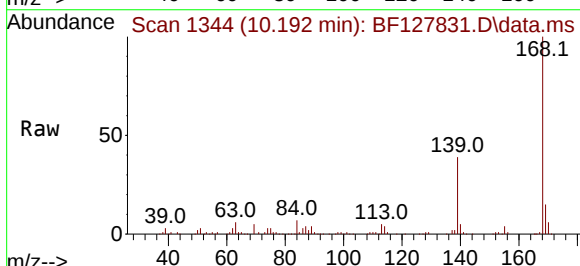
Instrument :
BNA_F
ClientSampleId :
339

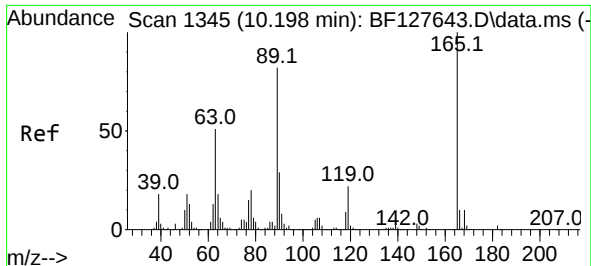
Tgt Ion:168 Resp: 87081
Ion Ratio Lower Upper
168 100
139 36.4 30.3 45.5
169 11.6 10.8 16.2



#56
4-Nitrophenol
Concen: 10.752 ng
RT: 10.192 min Scan# 1344
Delta R.T. 0.082 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

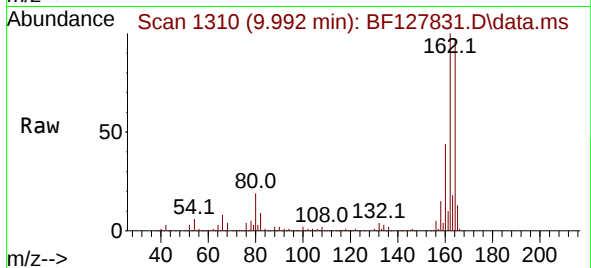
Tgt Ion:139 Resp: 33434
Ion Ratio Lower Upper
139 100
109 1.5 64.3 104.3#
65 2.0 117.5 157.5#



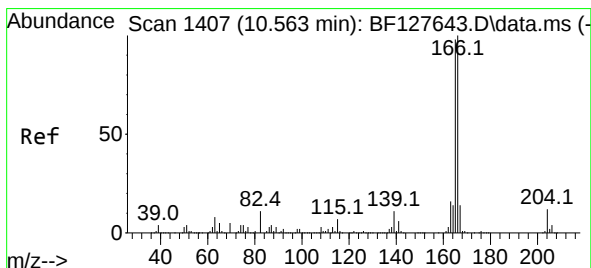
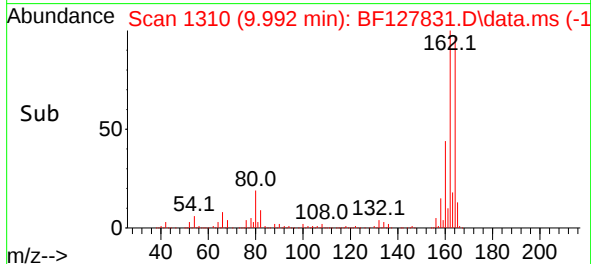
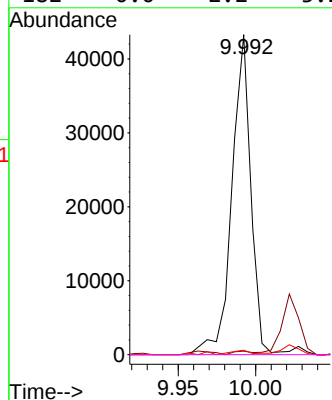


#57
2,4-Dinitrotoluene
Concen: 7.897 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Instrument :
BNA_F
ClientSampleId :
339

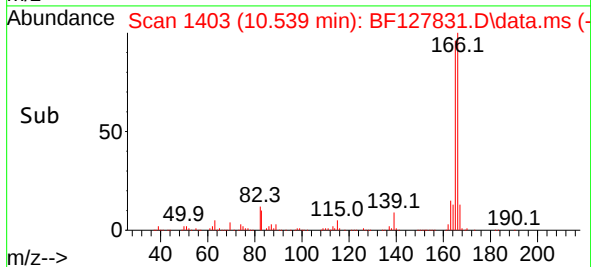
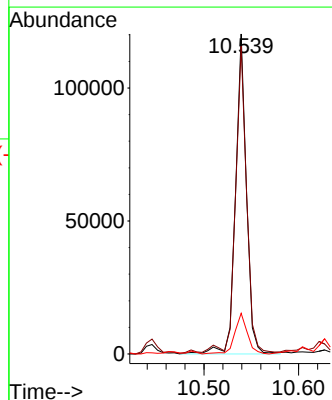
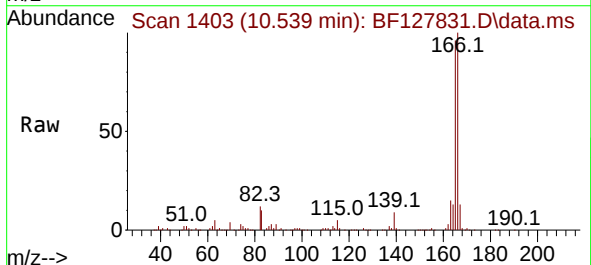


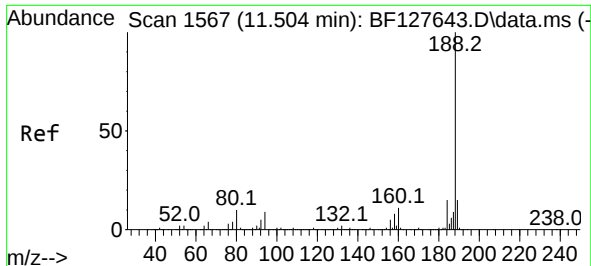
Tgt Ion:165 Resp: 36687
Ion Ratio Lower Upper
165 100
63 1.1 53.1 79.7#
89 1.4 69.2 103.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 5.577 ng
RT: 10.539 min Scan# 1403
Delta R.T. -0.018 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:166 Resp: 96048
Ion Ratio Lower Upper
166 100
165 96.2 78.1 117.1
167 12.7 10.5 15.7

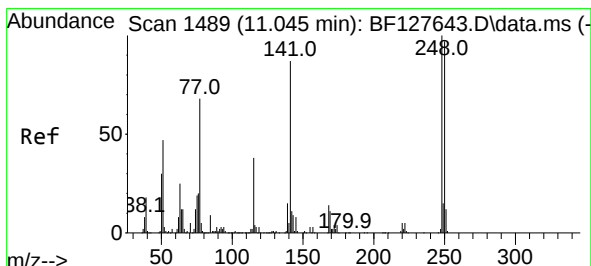
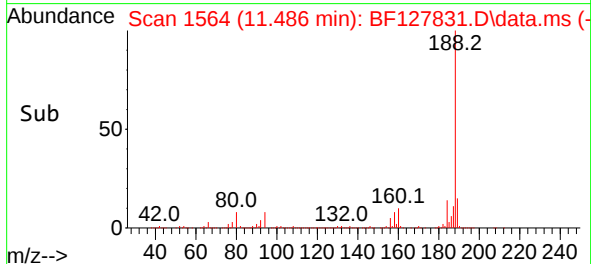
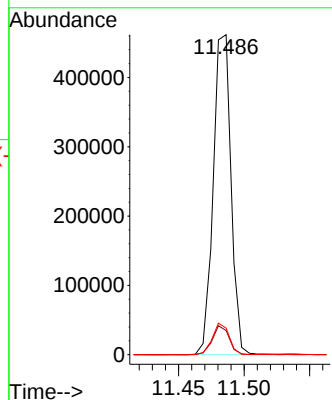
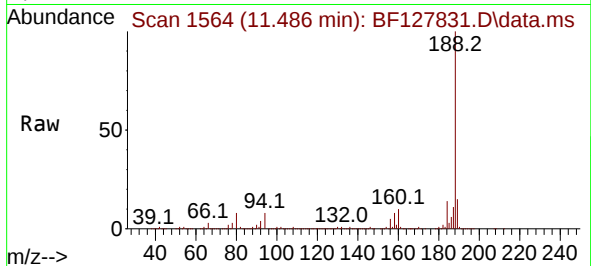




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

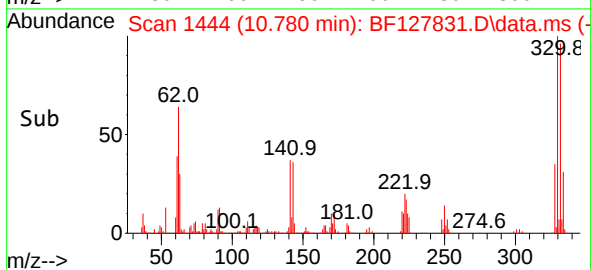
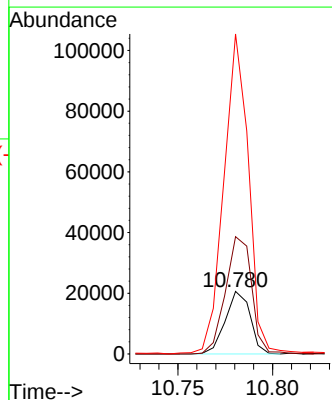
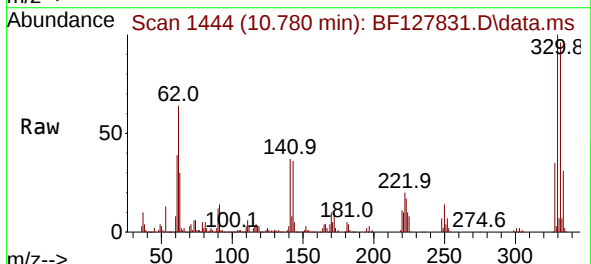
Instrument :
BNA_F
ClientSampleId :
339

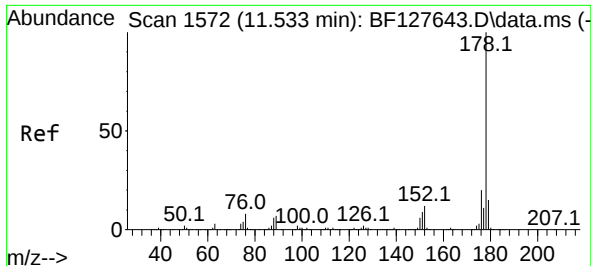
Tgt Ion:188 Resp: 435073
Ion Ratio Lower Upper
188 100
94 7.6 7.4 11.0
80 8.3 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 3.565 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.259 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:248 Resp: 18826
Ion Ratio Lower Upper
248 100
250 187.7 76.6 115.0#
141 511.8 52.2 78.2#

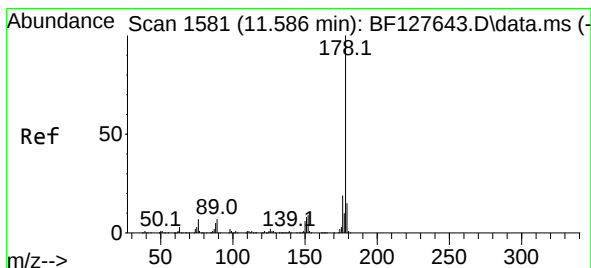
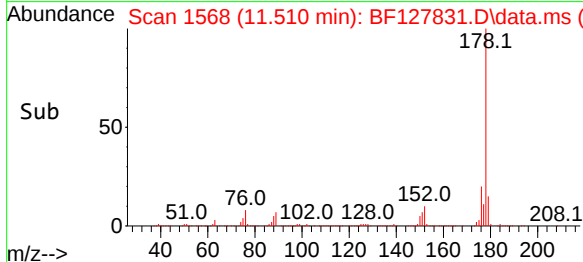
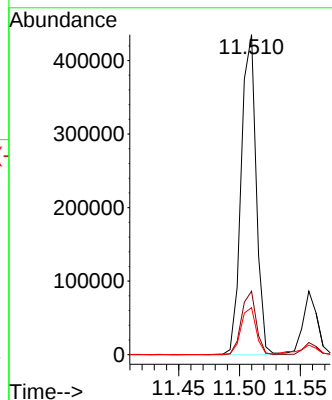
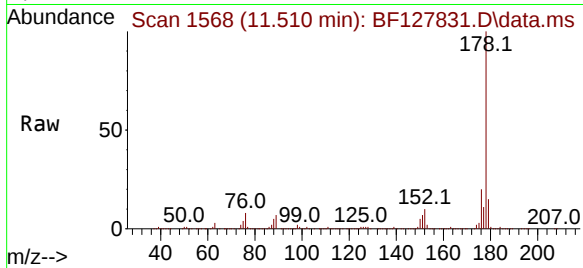




#71
Phenanthrene
Concen: 16.215 ng
RT: 11.510 min Scan# 1157
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

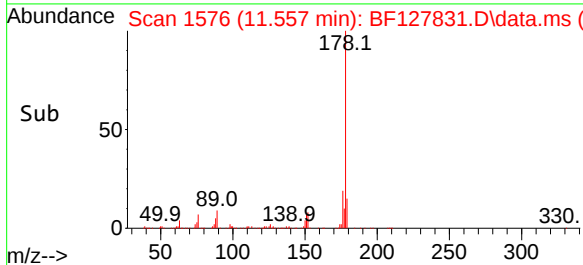
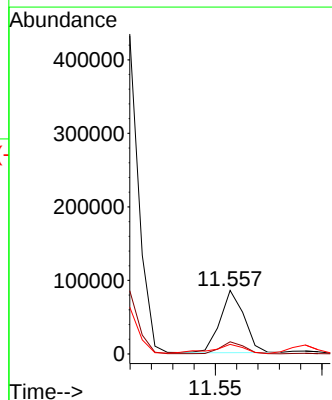
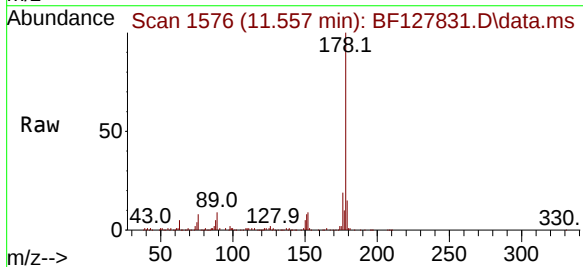
Instrument :
BNA_F
ClientSampleId :
339

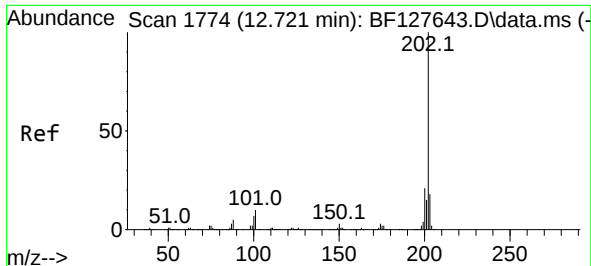
Tgt Ion:178 Resp: 373785
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 14.7 12.4 18.6



#72
Anthracene
Concen: 2.925 ng
RT: 11.557 min Scan# 1576
Delta R.T. -0.018 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:178 Resp: 66693
Ion Ratio Lower Upper
178 100
176 19.1 14.6 22.0
179 15.1 12.4 18.6

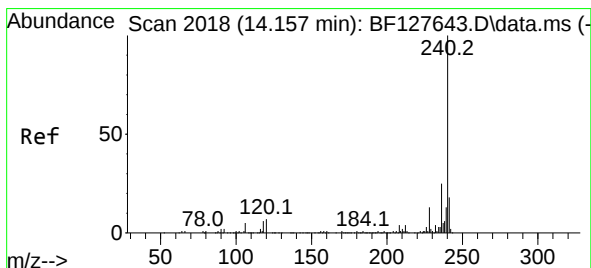
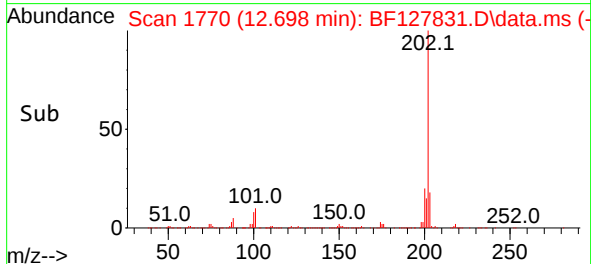
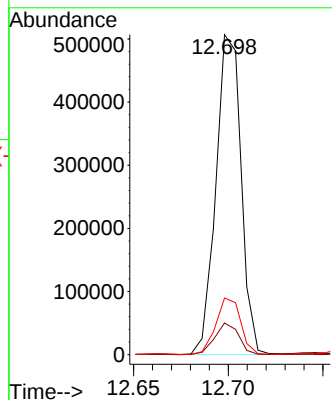
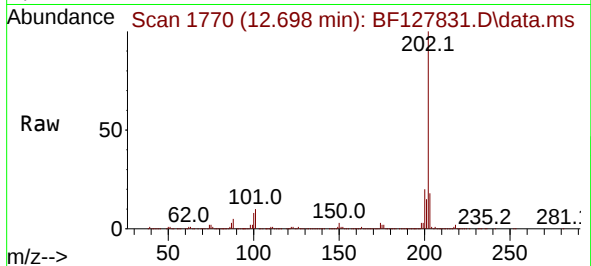




#75
Fluoranthene
Concen: 18.637 ng
RT: 12.698 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

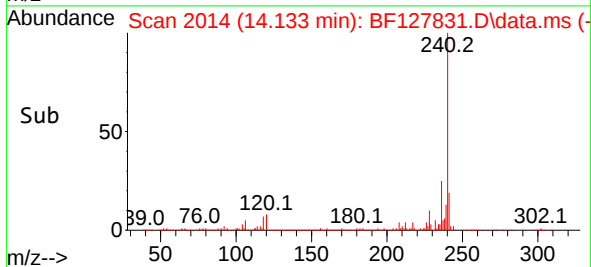
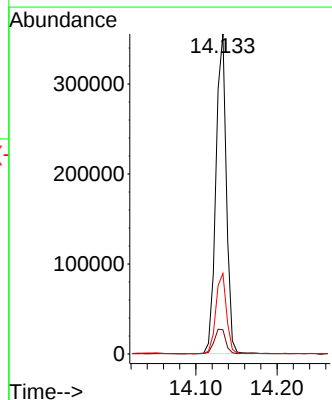
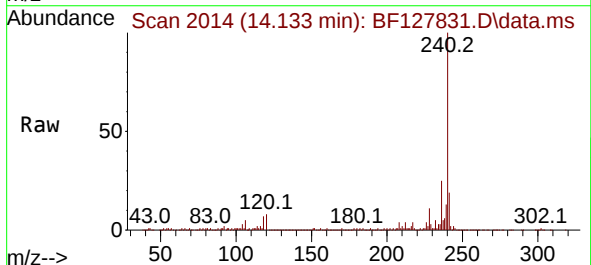
Instrument :
BNA_F
ClientSampleId :
339

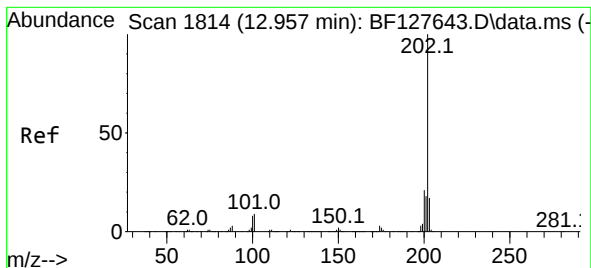
Tgt Ion:202 Resp: 468802
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.0
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:240 Resp: 316129
Ion Ratio Lower Upper
240 100
120 7.6 7.1 10.7
236 25.1 20.7 31.1





#78

Pyrene

Concen: 16.617 ng

RT: 12.933 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

Instrument :

BNA_F

ClientSampleId :

339

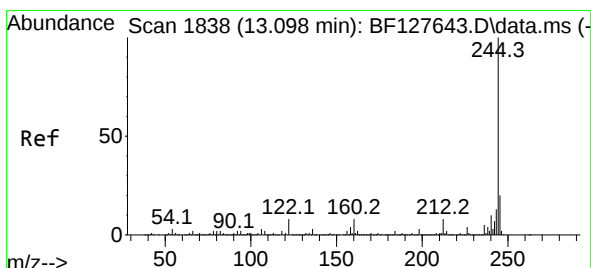
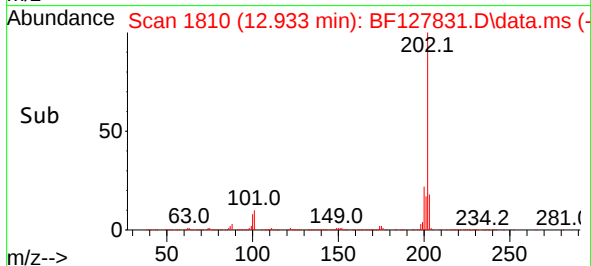
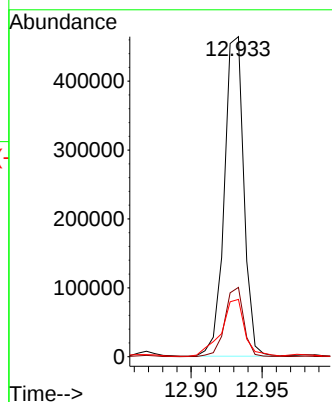
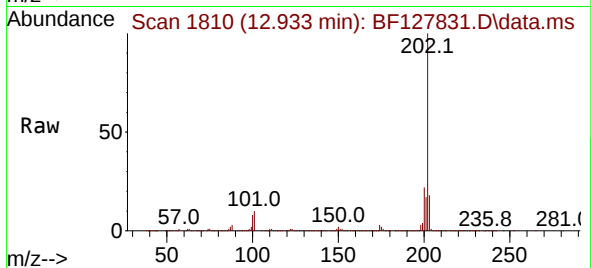
Tgt Ion:202 Resp: 443578

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 17.9 14.3 21.5



#79

Terphenyl-d14

Concen: 54.344 ng

RT: 13.069 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

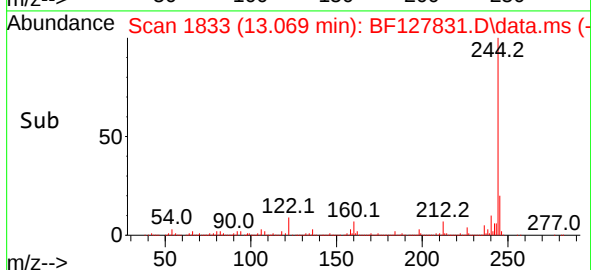
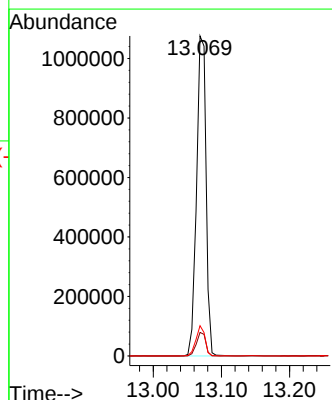
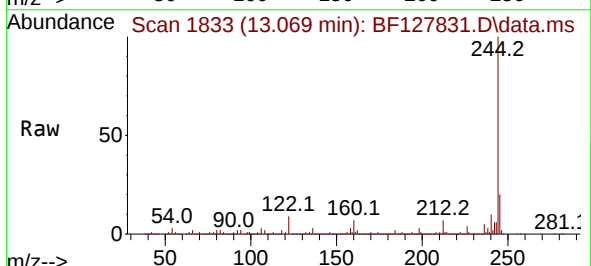
Tgt Ion:244 Resp: 1040811

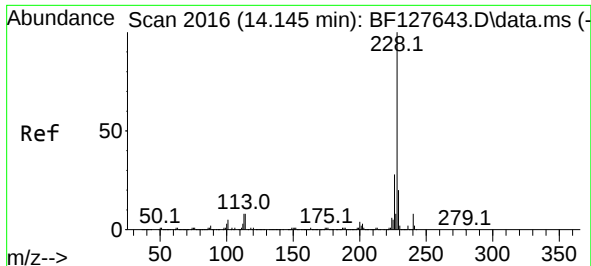
Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 9.5 6.2 9.2#

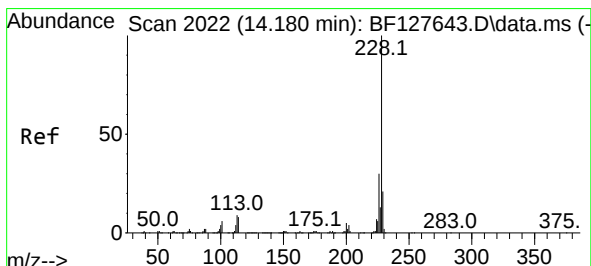
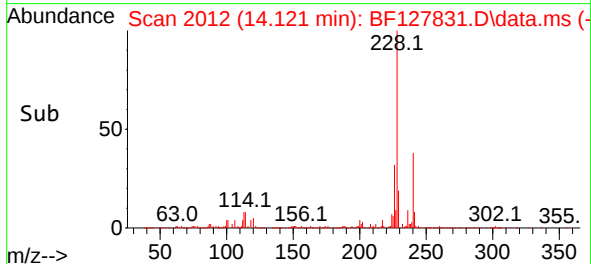
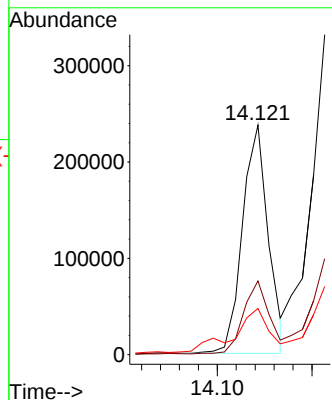
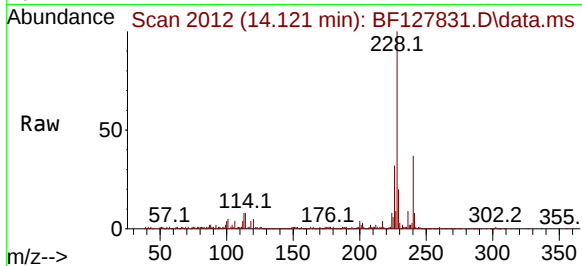




#81
Benzo(a)anthracene
Concen: 10.606 ng
RT: 14.121 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

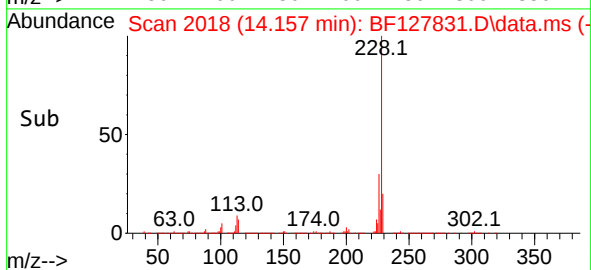
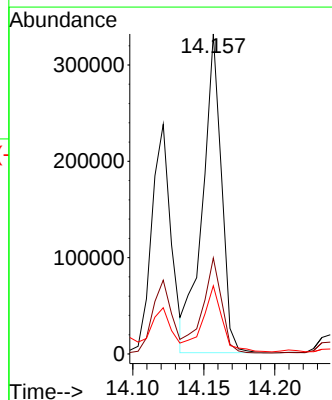
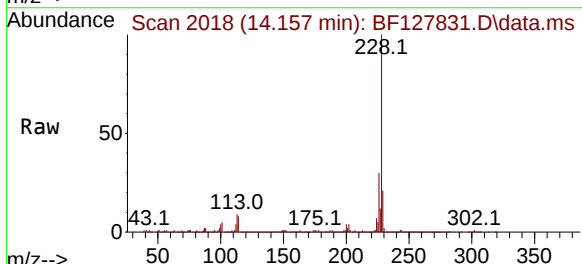
Instrument :
BNA_F
ClientSampleId :
339

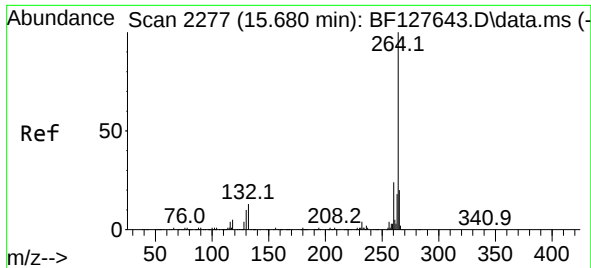
Tgt Ion:228 Resp: 223937
Ion Ratio Lower Upper
228 100
226 32.1 21.6 32.4
229 20.1 15.4 23.2



#83
Chrysene
Concen: 15.128 ng
RT: 14.157 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:228 Resp: 306608
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 21.3 15.4 23.2

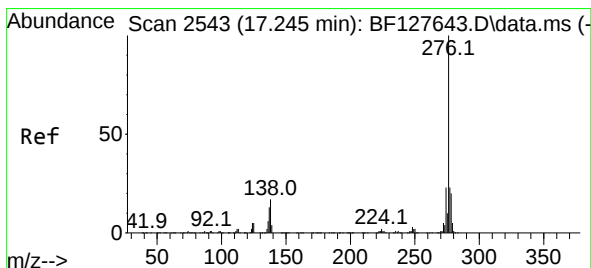
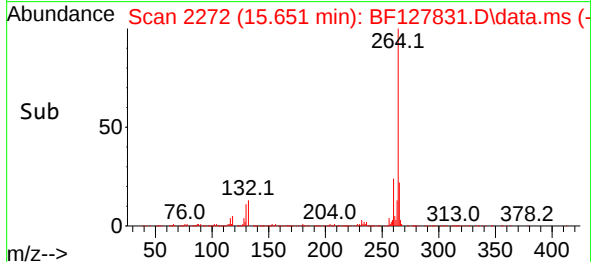
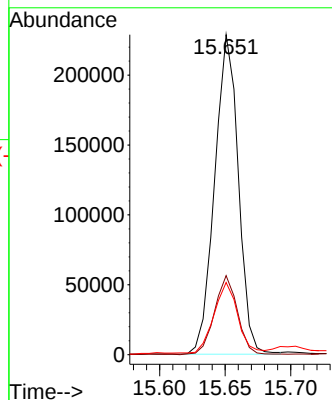
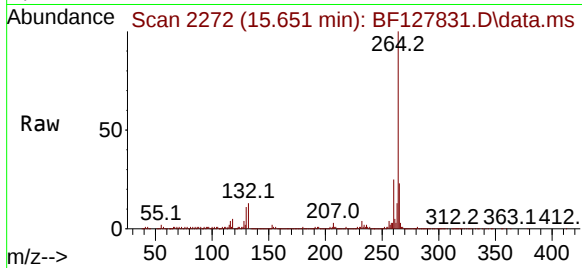




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

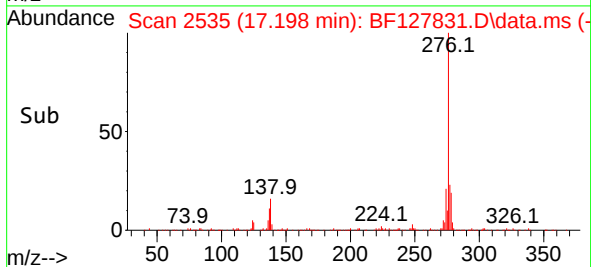
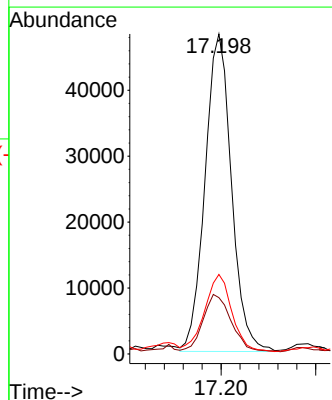
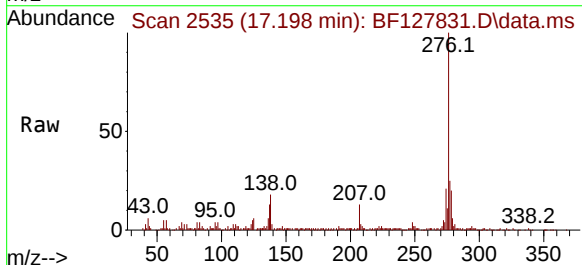
Instrument :
BNA_F
ClientSampleId :
339

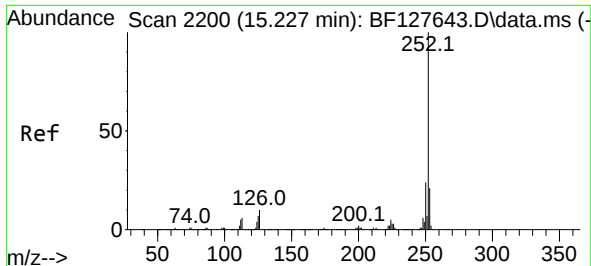
Tgt Ion:264 Resp: 286471
Ion Ratio Lower Upper
264 100
260 24.7 19.1 28.7
265 22.6 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.221 ng
RT: 17.198 min Scan# 2535
Delta R.T. -0.029 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:276 Resp: 93441
Ion Ratio Lower Upper
276 100
138 19.2 17.1 25.7
277 24.9 19.9 29.9

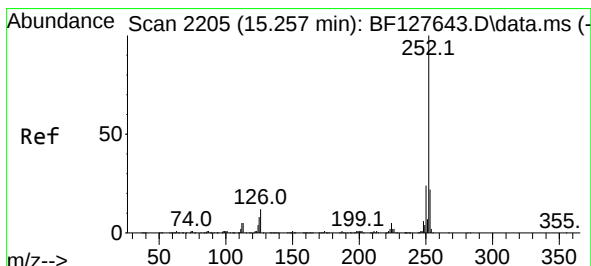
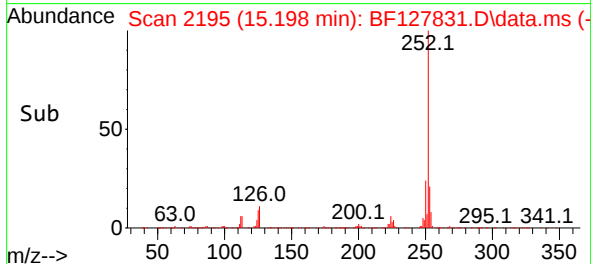
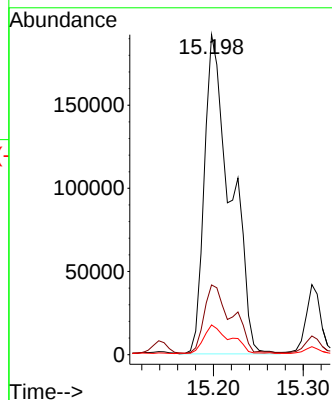
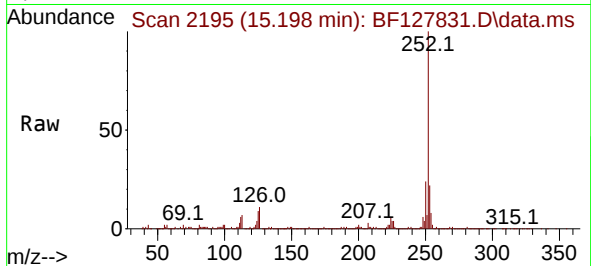




#88
Benzo(b)fluoranthene
Concen: 21.182 ng
RT: 15.198 min Scan# 21195
Delta R.T. -0.012 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

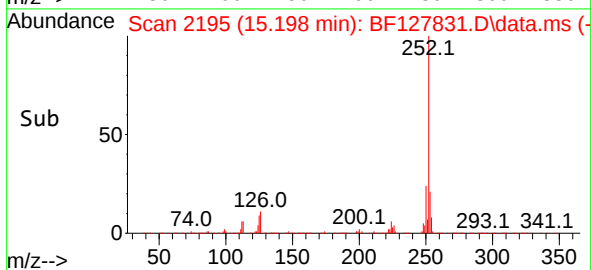
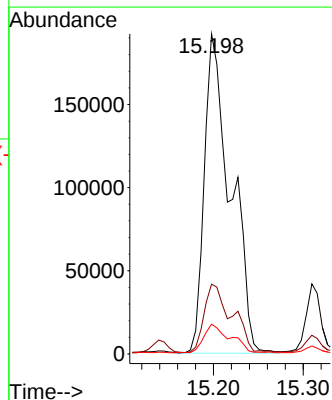
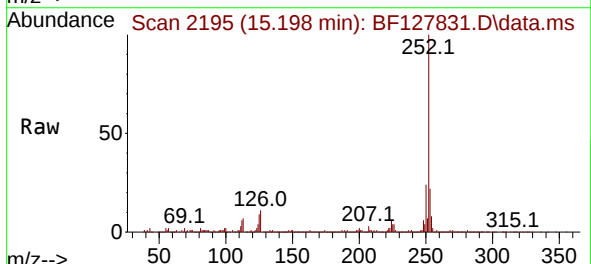
Instrument :
BNA_F
ClientSampleId :
339

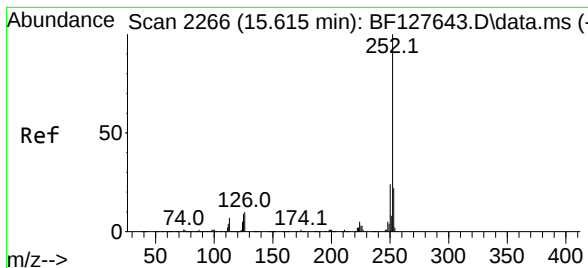
Tgt Ion:252 Resp: 390358
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 9.3 7.0 10.4



#89
Benzo(k)fluoranthene
Concen: 21.357 ng
RT: 15.198 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF127831.D
Acq: 18 Apr 2022 18:01

Tgt Ion:252 Resp: 390358
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 9.3 6.9 10.3





#90

Benzo(a)pyrene

Concen: 12.033 ng

RT: 15.586 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

Instrument :

BNA_F

ClientSampleId :

339

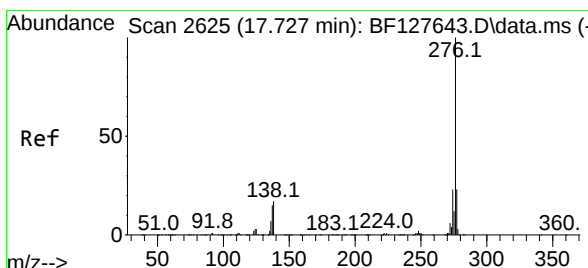
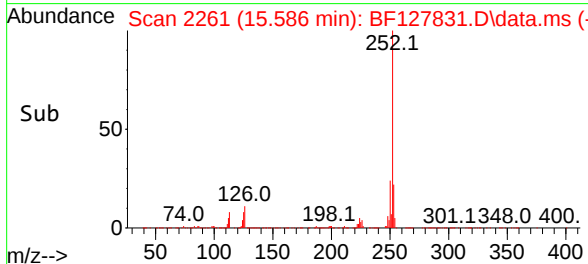
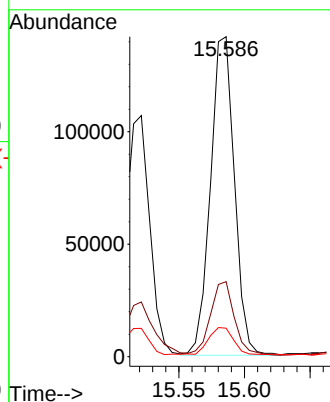
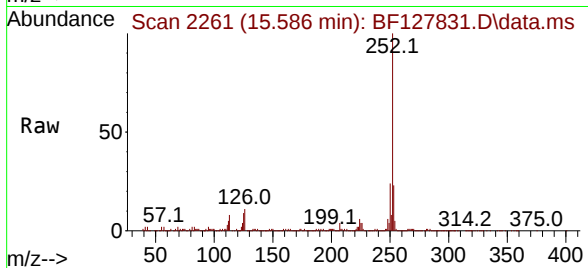
Tgt Ion:252 Resp: 180239

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 8.9 6.7 10.1



#92

Benzo(g,h,i)perylene

Concen: 5.805 ng

RT: 17.668 min Scan# 2615

Delta R.T. -0.035 min

Lab File: BF127831.D

Acq: 18 Apr 2022 18:01

Tgt Ion:276 Resp: 86311

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 17.0 14.6 22.0

