

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041122\
 Data File : BF127746.D
 Acq On : 11 Apr 2022 18:50
 Operator : CG\JU
 Sample : N2335-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A350-CU

Quant Time: Apr 12 04:56:18 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 06 13:55:27 2022
 Response via : Initial Calibration

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

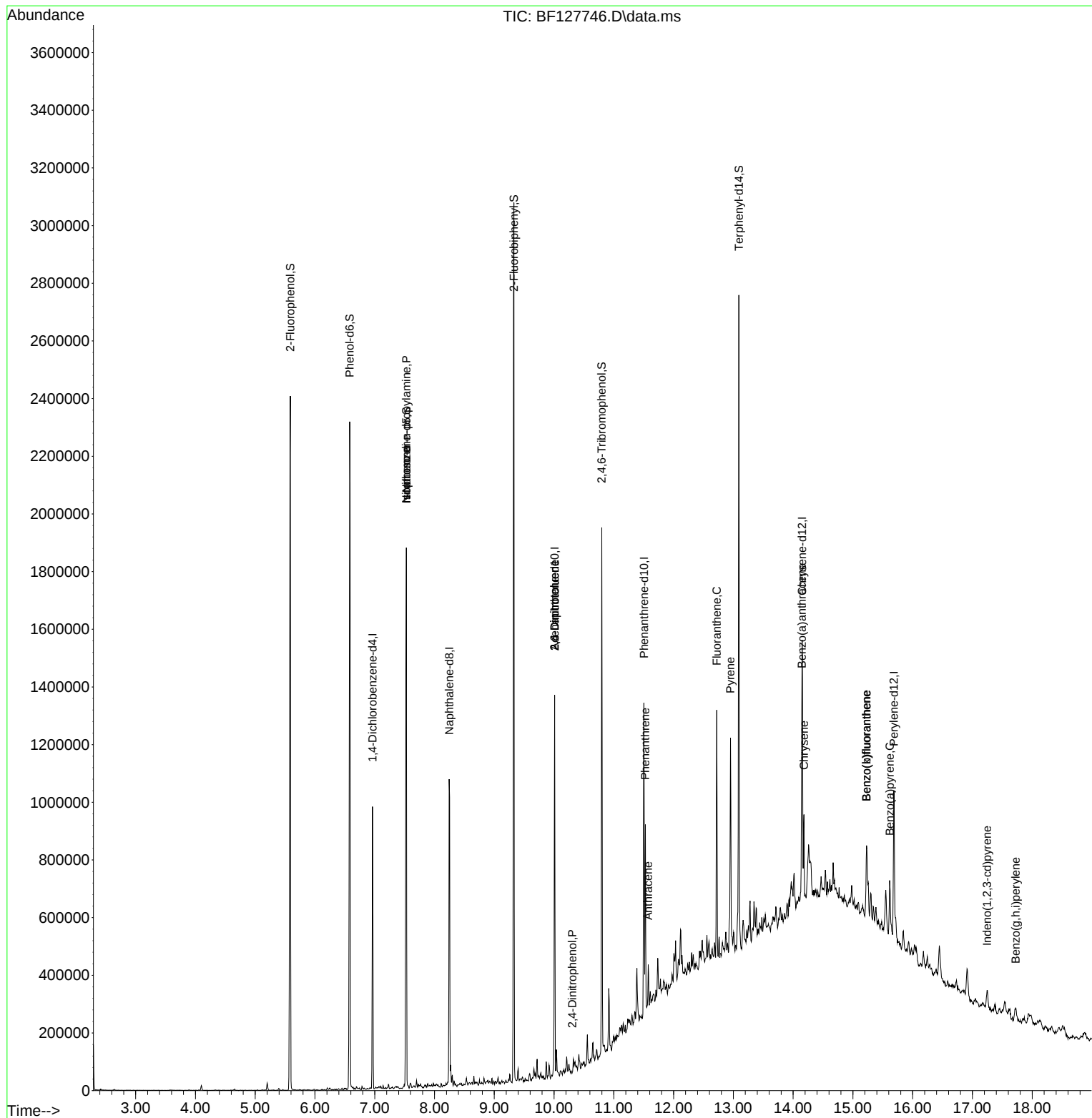
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	127580	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	453258	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	248904	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	368226	20.000	ng	0.00
76) Chrysene-d12	14.151	240	281178	20.000	ng	0.00
86) Perylene-d12	15.686	264	256639	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	637203	81.156	ng	0.00
7) Phenol-d6	6.581	99	827012	80.515	ng	0.00
23) Nitrobenzene-d5	7.528	82	574540	56.510	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	201649	76.131	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	970308	55.148	ng	0.00
79) Terphenyl-d14	13.092	244	758327	44.516	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	332	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.528	70	78287	11.784	ng	# 74
25) Isophorone	7.528	82	573923	32.351	ng	# 70
51) 2,6-Dinitrotoluene	10.010	165	33563	9.869	ng	# 17
54) 2,4-Dinitrophenol	10.304	184	305	5.477	ng	# 53
57) 2,4-Dinitrotoluene	10.010	165	33563	7.960	ng	# 14
71) Phenanthrene	11.528	178	219357	11.243	ng	99
72) Anthracene	11.575	178	56718	2.939	ng	98
75) Fluoranthene	12.722	202	325898	15.308	ng	99
78) Pyrene	12.951	202	296773	12.499	ng	100
81) Benzo(a)anthracene	14.145	228	137526	7.323	ng	96
83) Chrysene	14.180	228	130200	7.223	ng	97
87) Indeno(1,2,3-cd)pyrene	17.245	276	41256	2.573	ng	96
88) Benzo(b)fluoranthene	15.227	252	188594	11.423	ng	# 95
89) Benzo(k)fluoranthene	15.227	252	188594	11.518	ng	# 94
90) Benzo(a)pyrene	15.615	252	96911	7.222	ng	# 94
92) Benzo(g,h,i)perylene	17.721	276	38410	2.884	ng	# 92

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

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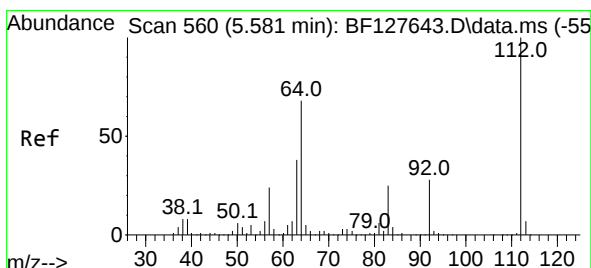
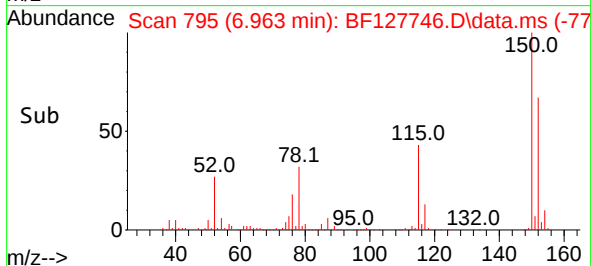
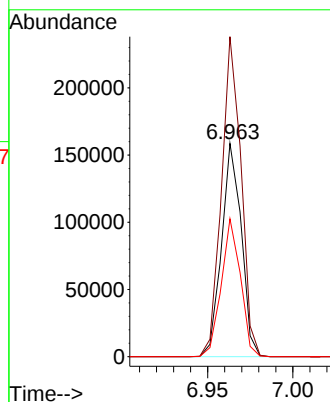
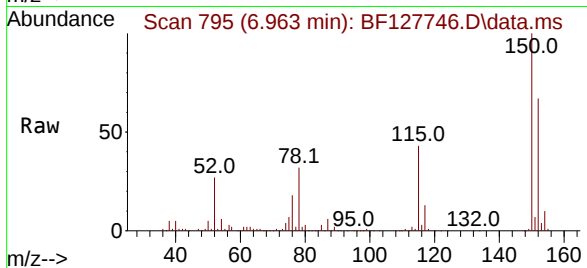




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF127746.D
 Acq: 11 Apr 2022 18:50

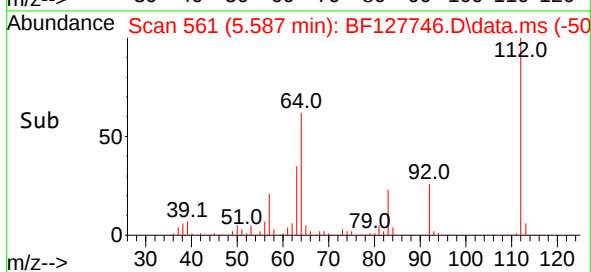
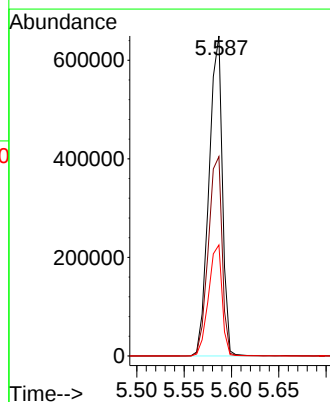
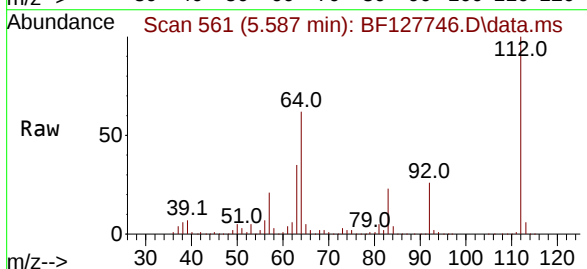
Instrument :
 BNA_F
 ClientSampleId :
 A350-CU

Tgt Ion:152 Resp: 127580
 Ion Ratio Lower Upper
 152 100
 150 150.0 117.2 175.8
 115 64.7 49.8 74.6



#5
 2-Fluorophenol
 Concen: 81.156 ng
 RT: 5.587 min Scan# 561
 Delta R.T. 0.006 min
 Lab File: BF127746.D
 Acq: 11 Apr 2022 18:50

Tgt Ion:112 Resp: 637203
 Ion Ratio Lower Upper
 112 100
 64 62.3 58.4 87.6
 63 34.7 30.1 45.1

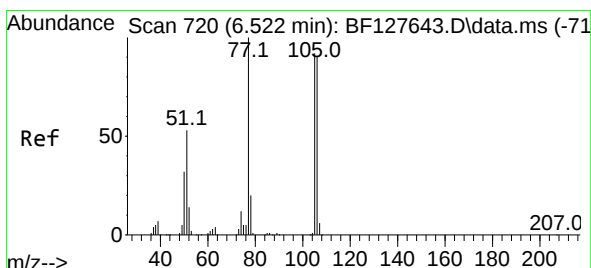
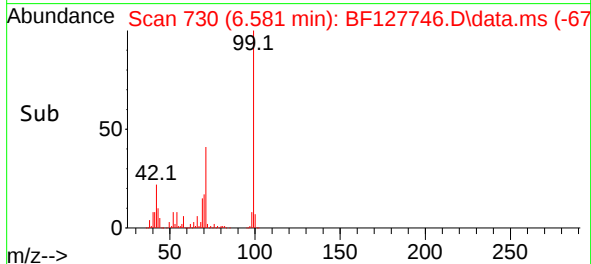
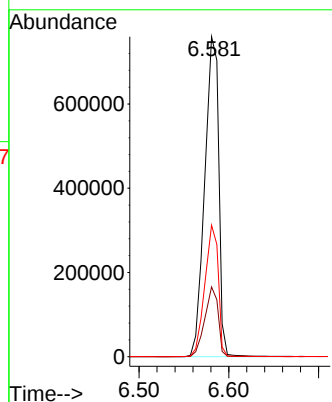
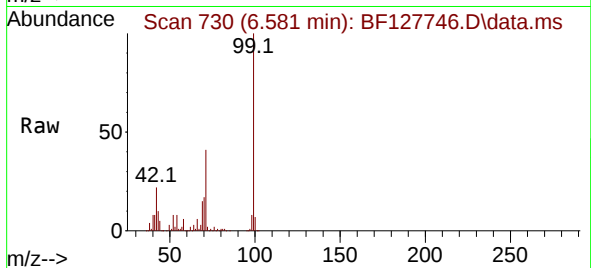




#7
Phenol-d6
Concen: 80.515 ng
RT: 6.581 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

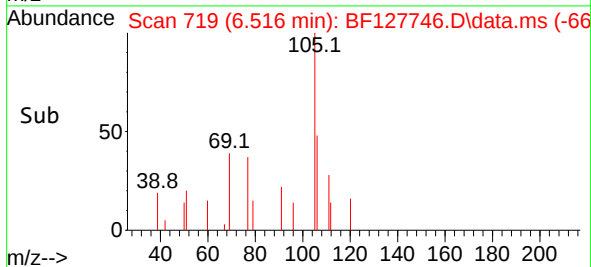
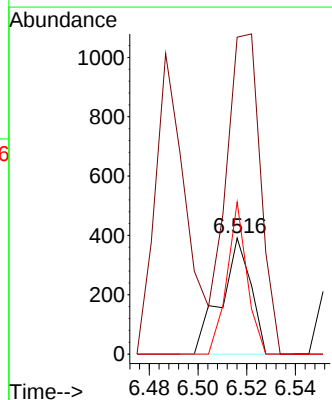
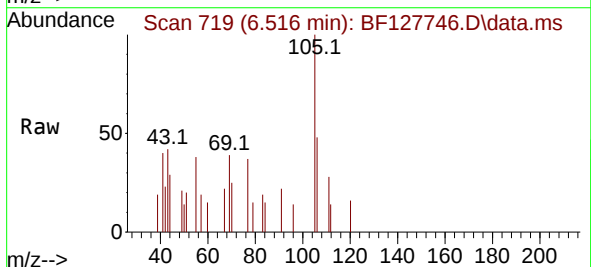
Instrument :
BNA_F
ClientSampleId :
A350-CU

Tgt Ion: 99 Resp: 827012
Ion Ratio Lower Upper
99 100
42 21.8 17.8 26.6
71 41.1 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

Tgt Ion: 77 Resp: 332
Ion Ratio Lower Upper
77 100
105 273.1 66.8 106.8#
106 131.2 64.3 104.3#

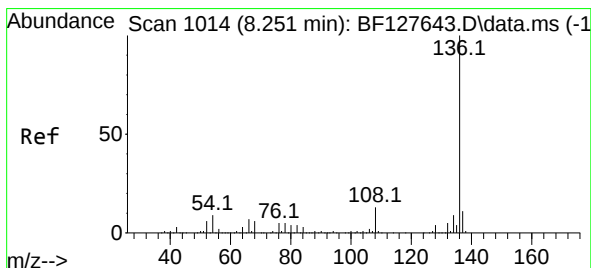
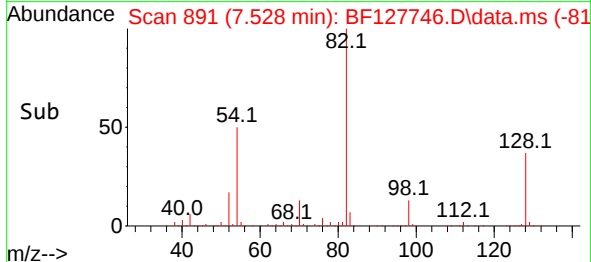
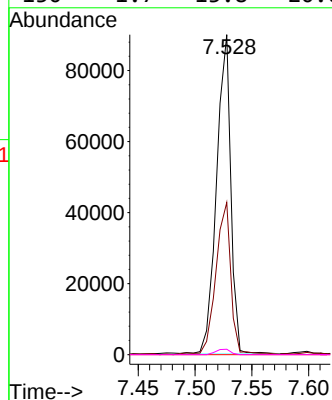
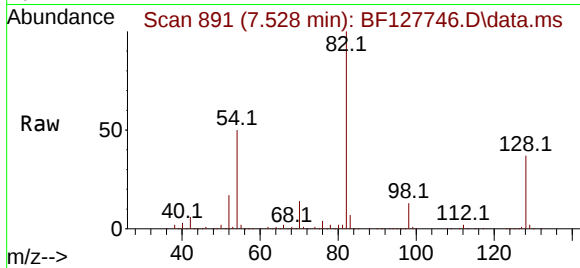




#19
n-Nitroso-di-n-propylamine
Concen: 11.784 ng
RT: 7.528 min Scan# 891
Delta R.T. 0.147 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

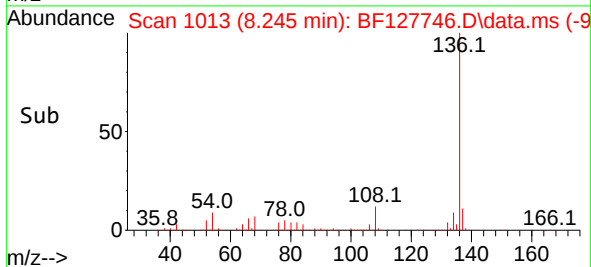
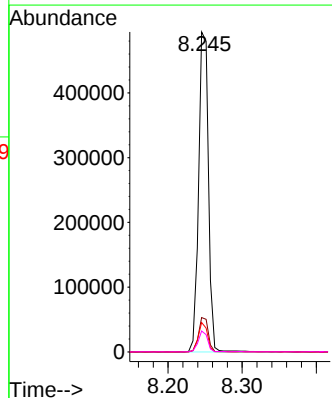
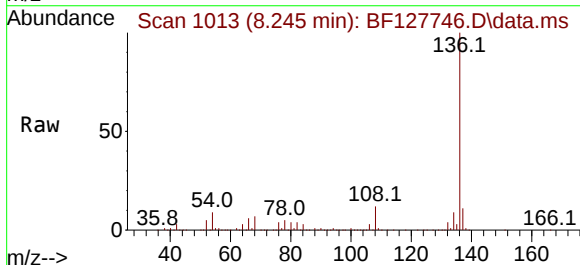
Instrument :
BNA_F
ClientSampleId :
A350-CU

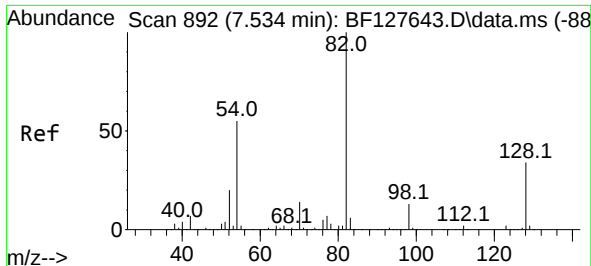
Tgt Ion: 70 Resp: 78287
Ion Ratio Lower Upper
70 100
42 47.6 53.0 79.6#
101 0.0 6.8 10.2#
130 1.7 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

Tgt Ion:136 Resp: 453258
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.2 9.2 13.8
68 6.6 5.4 8.0





#23

Nitrobenzene-d5

Concen: 56.510 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF127746.D

Acq: 11 Apr 2022 18:50

Instrument :

BNA_F

ClientSampleId :

A350-CU

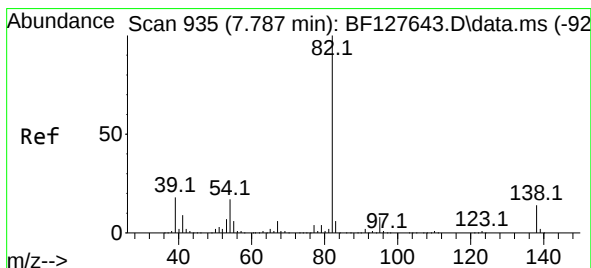
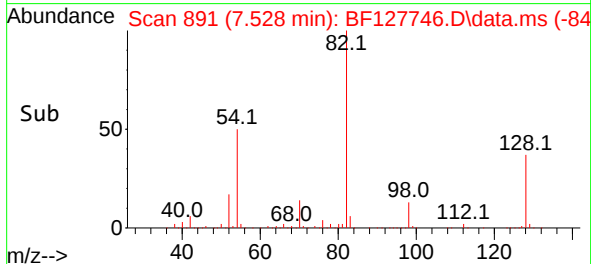
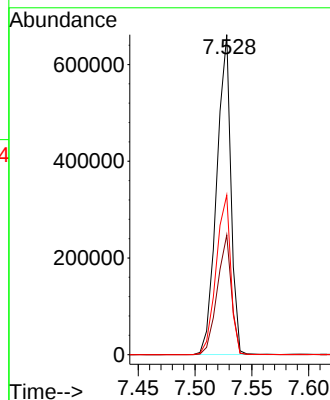
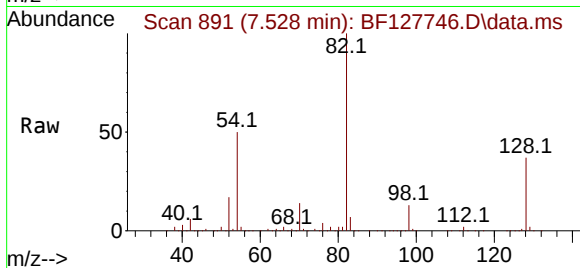
Tgt Ion: 82 Resp: 574540

Ion Ratio Lower Upper

82 100

128 37.4 30.6 45.8

54 49.8 48.2 72.2



#25

Isophorone

Concen: 32.351 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.259 min

Lab File: BF127746.D

Acq: 11 Apr 2022 18:50

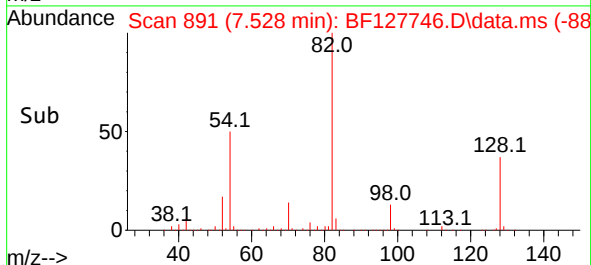
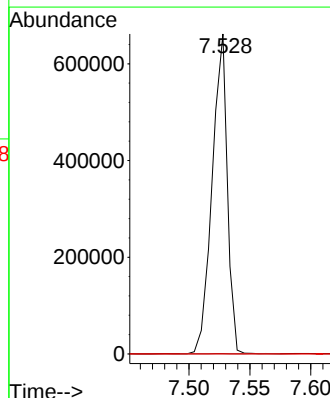
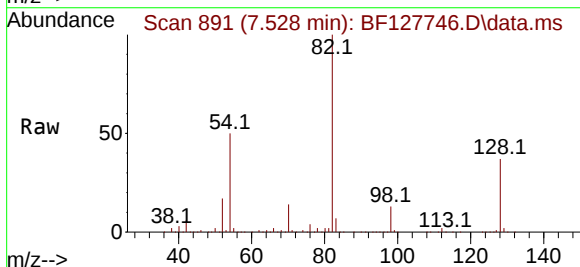
Tgt Ion: 82 Resp: 573923

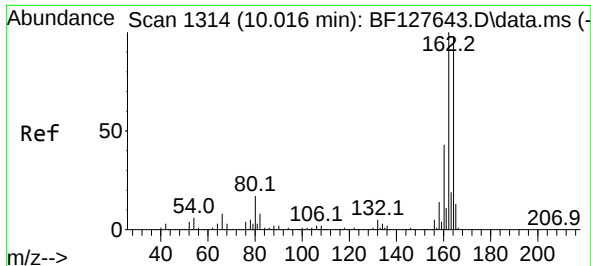
Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

138 0.0 11.6 17.4#

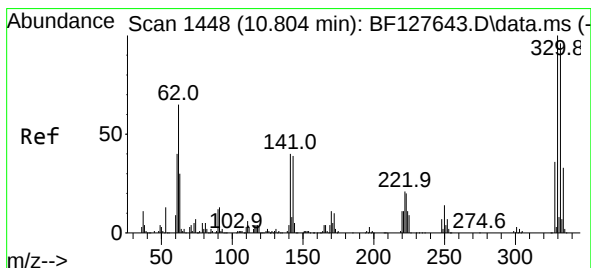
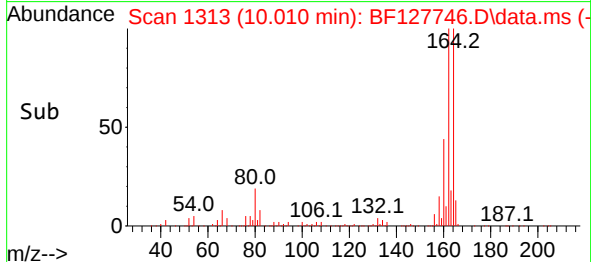
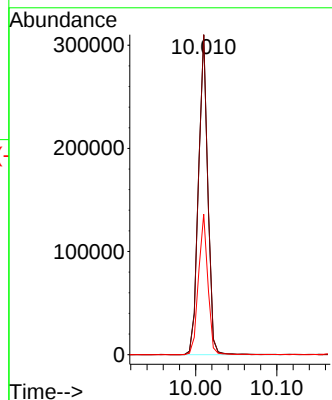
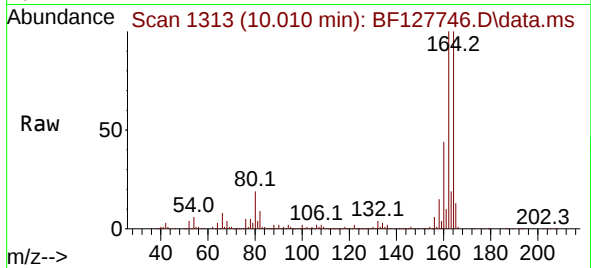




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

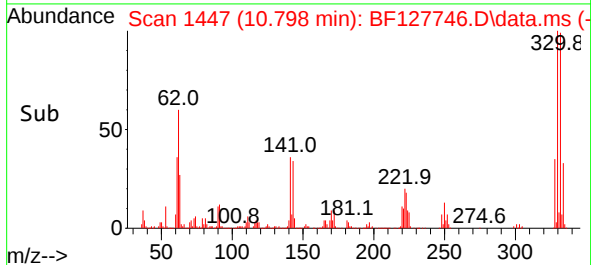
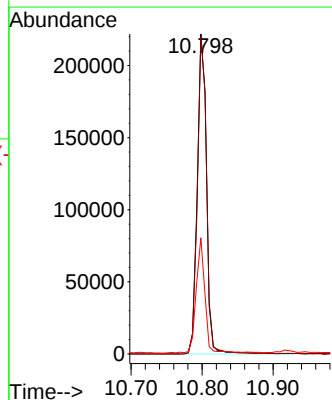
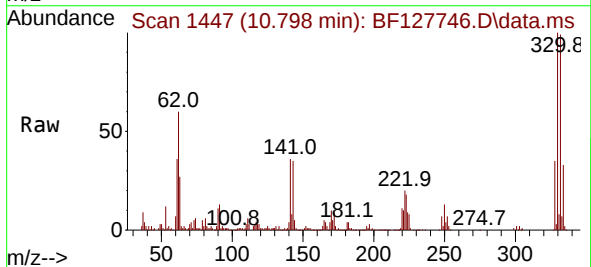
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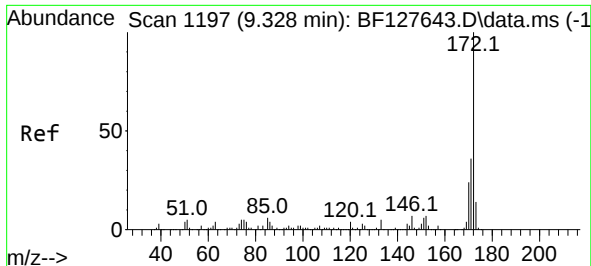
Tgt Ion:164 Resp: 248904
Ion Ratio Lower Upper
164 100
162 100.1 81.2 121.8
160 43.9 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 76.131 ng
RT: 10.798 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

Tgt Ion:330 Resp: 201649
Ion Ratio Lower Upper
330 100
332 98.4 79.1 118.7
141 34.2 26.2 39.4

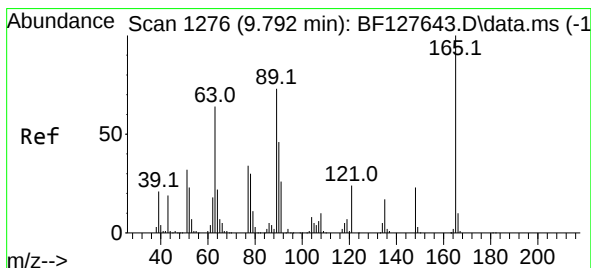
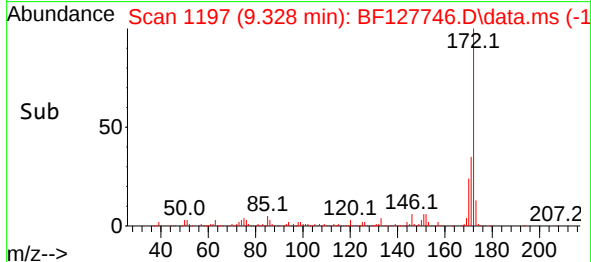
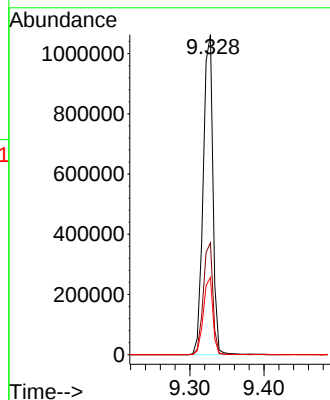
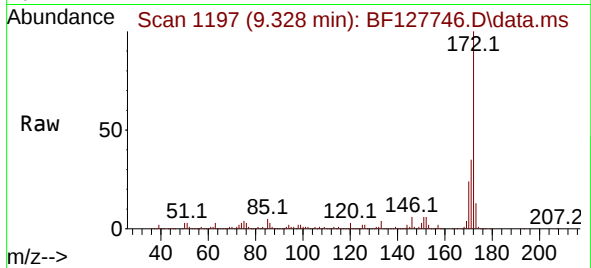




#45
2-Fluorobiphenyl
Concen: 55.148 ng
RT: 9.328 min Scan# 1197
Delta R.T. 0.000 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

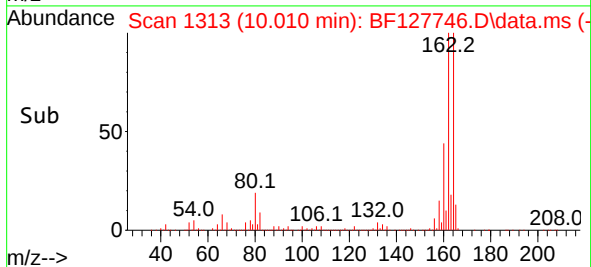
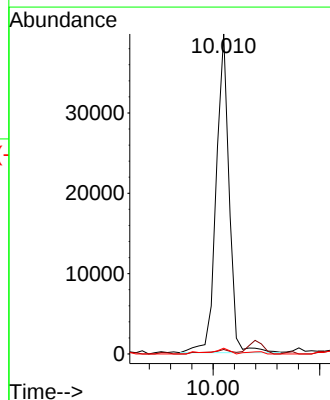
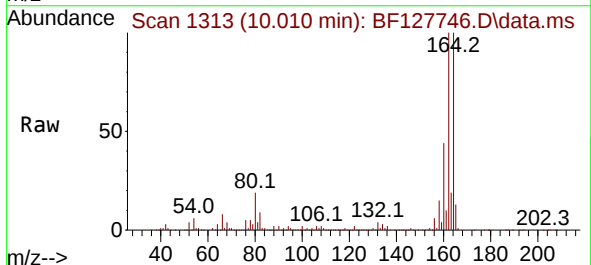
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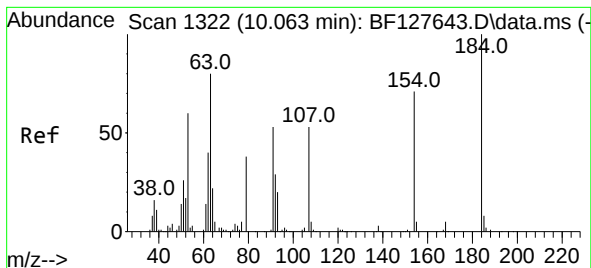
Tgt Ion:172 Resp: 970308
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 24.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.869 ng
RT: 10.010 min Scan# 1313
Delta R.T. 0.218 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

Tgt Ion:165 Resp: 33563
Ion Ratio Lower Upper
165 100
63 1.4 58.3 87.5#
89 1.8 51.5 77.3#

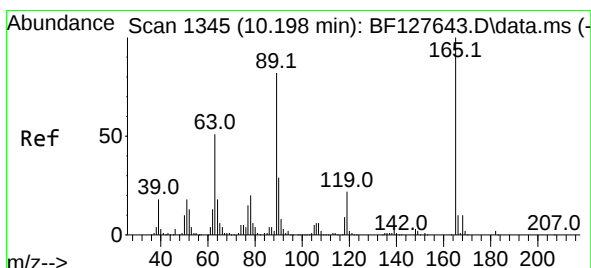
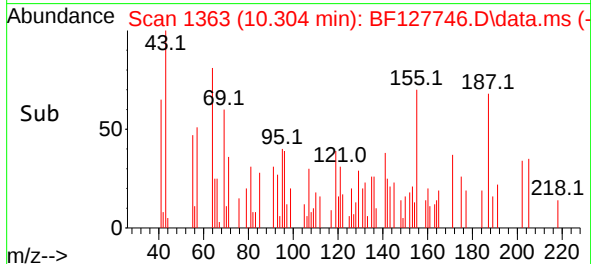
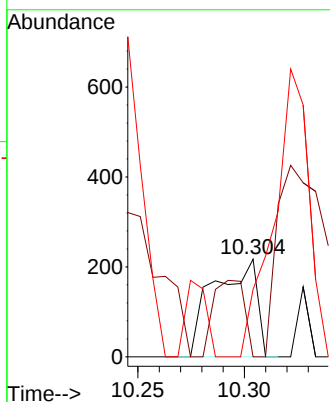
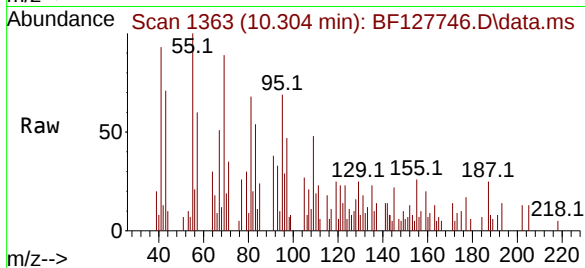




#54
2,4-Dinitrophenol
Concen: 5.477 ng
RT: 10.304 min Scan# 11
Delta R.T. 0.241 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

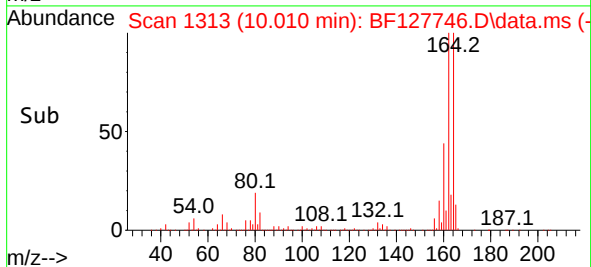
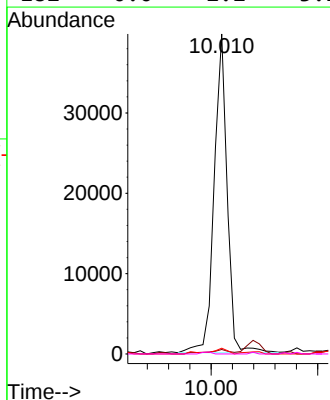
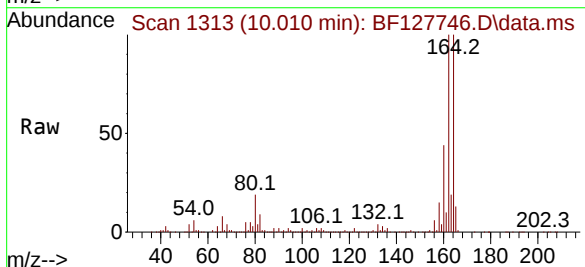
Instrument :
BNA_F
ClientSampleId :
A350-CU

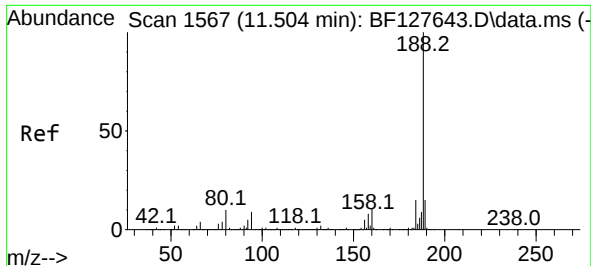
Tgt Ion:184 Resp: 305
Ion Ratio Lower Upper
184 100
63 0.0 58.1 87.1#
154 69.1 53.2 79.8



#57
2,4-Dinitrotoluene
Concen: 7.960 ng
RT: 10.010 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

Tgt Ion:165 Resp: 33563
Ion Ratio Lower Upper
165 100
63 1.4 53.1 79.7#
89 1.8 69.2 103.8#
182 0.0 2.2 3.2#

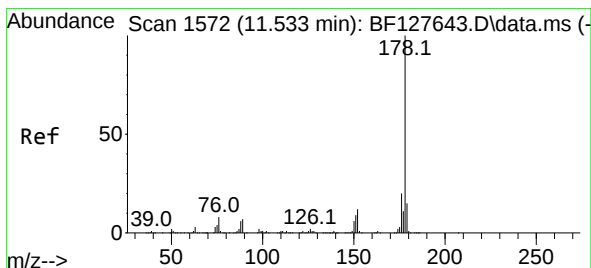
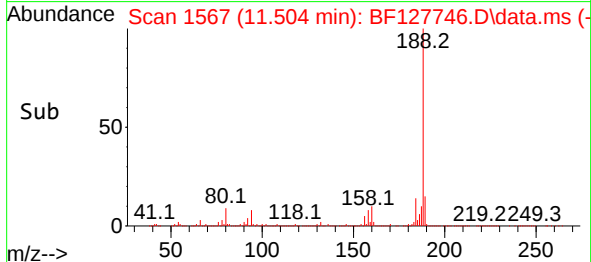
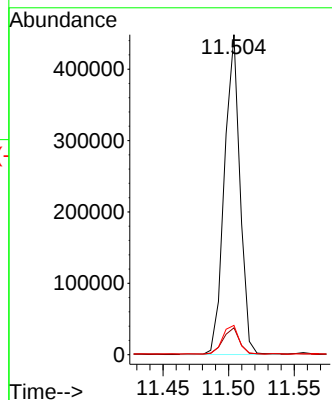
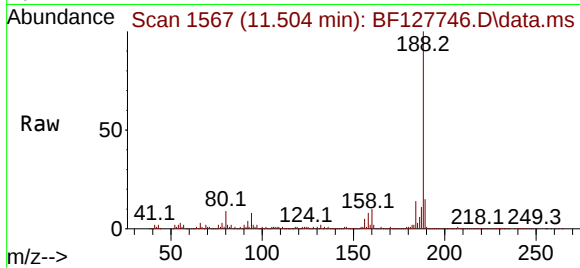




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

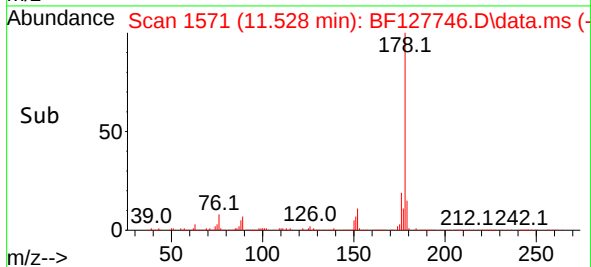
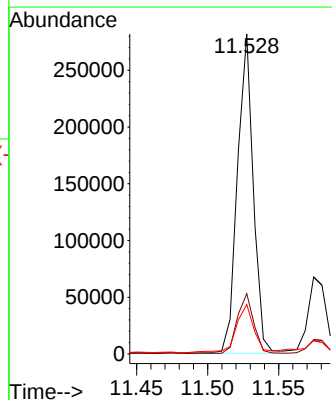
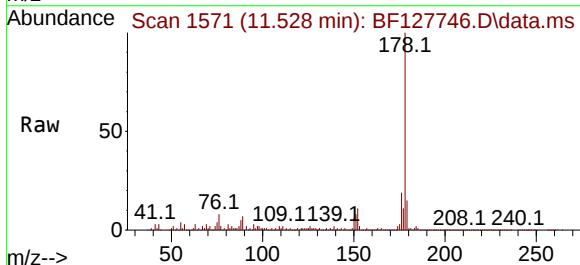
Instrument :
BNA_F
ClientSampleId :
A350-CU

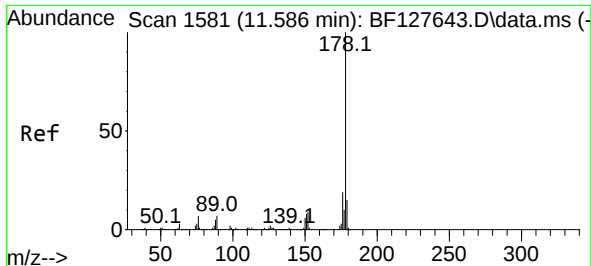
Tgt Ion:188 Resp: 368226
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.0
80 9.2 8.0 12.0



#71
Phenanthrene
Concen: 11.243 ng
RT: 11.528 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

Tgt Ion:178 Resp: 219357
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.4 12.4 18.6

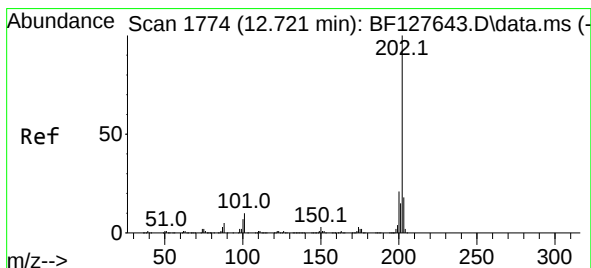
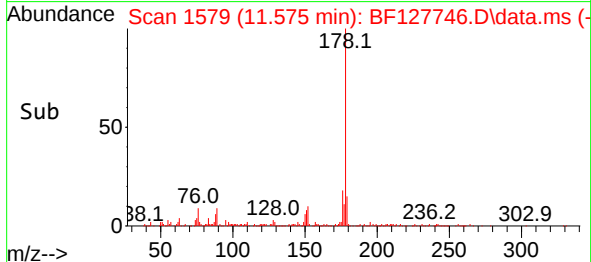
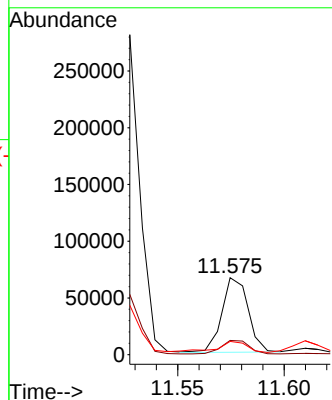
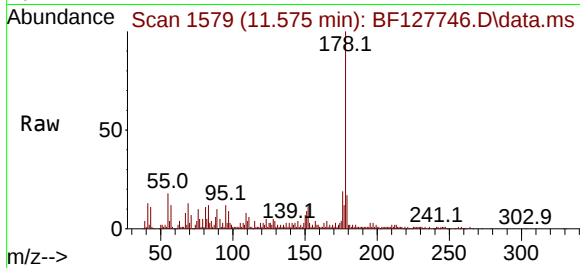




#72
 Anthracene
 Concen: 2.939 ng
 RT: 11.575 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF127746.D
 Acq: 11 Apr 2022 18:50

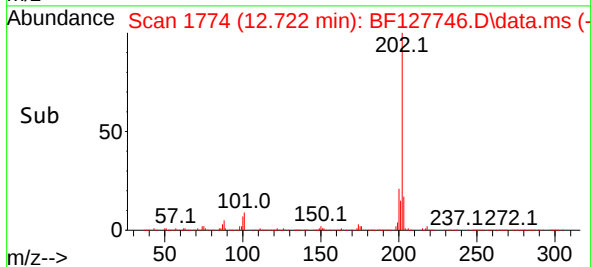
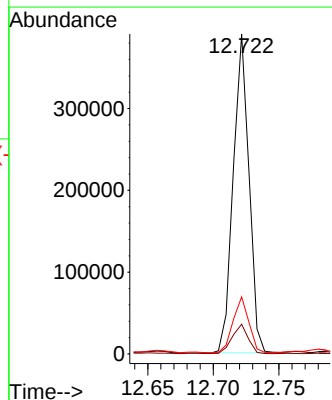
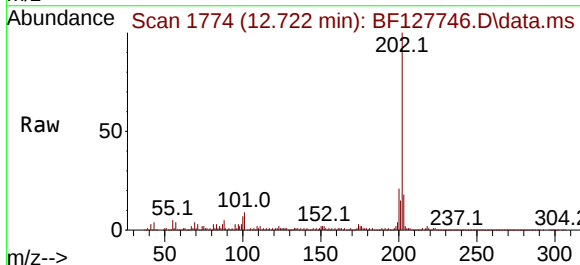
Instrument :
 BNA_F
 ClientSampleId :
 A350-CU

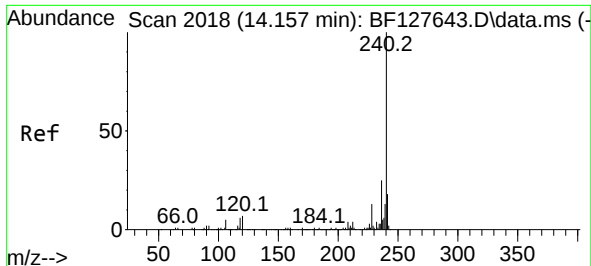
Tgt Ion:178 Resp: 56718
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 22.0
 179 17.2 12.4 18.6



#75
 Fluoranthene
 Concen: 15.308 ng
 RT: 12.722 min Scan# 1774
 Delta R.T. 0.000 min
 Lab File: BF127746.D
 Acq: 11 Apr 2022 18:50

Tgt Ion:202 Resp: 325898
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 29.0
 203 17.8 0.0 37.7

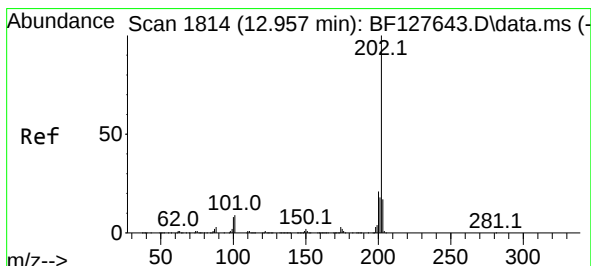
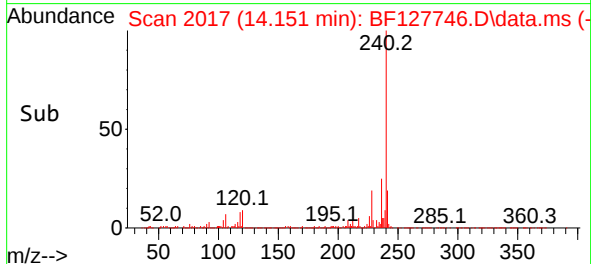
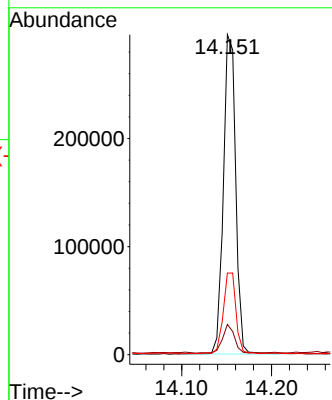
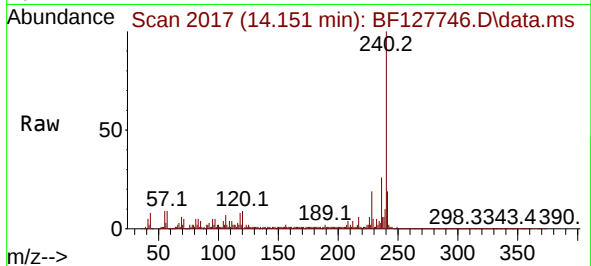




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.151 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

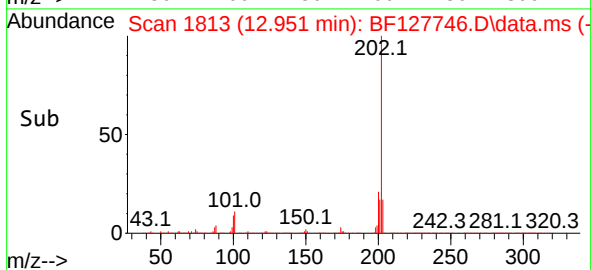
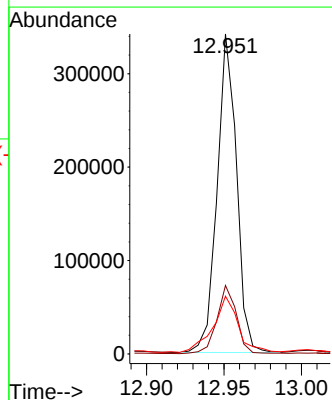
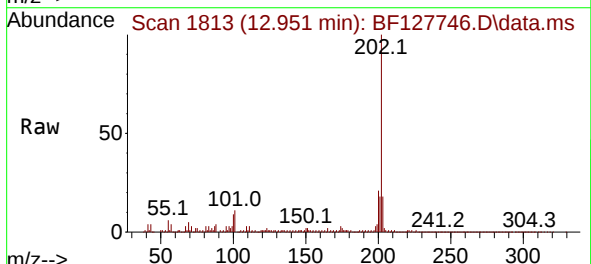
Instrument :
BNA_F
ClientSampleId :
A350-CU

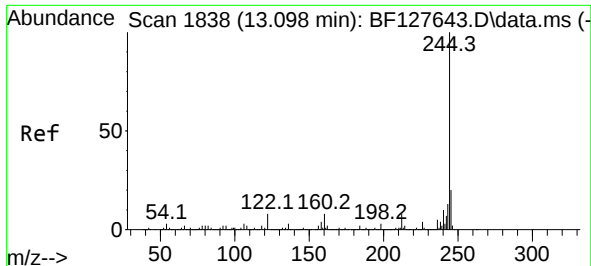
Tgt Ion:240 Resp: 281178
Ion Ratio Lower Upper
240 100
120 9.4 7.1 10.7
236 25.5 20.7 31.1



#78
Pyrene
Concen: 12.499 ng
RT: 12.951 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

Tgt Ion:202 Resp: 296773
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.1 14.3 21.5

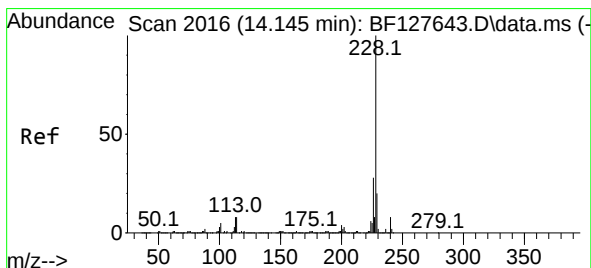
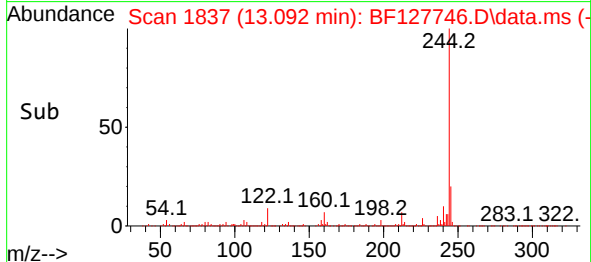
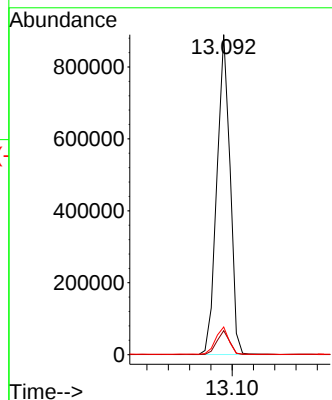
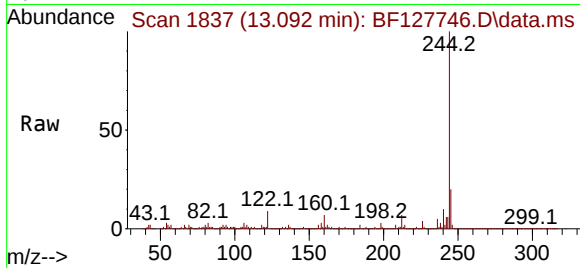




#79
 Terphenyl-d14
 Concen: 44.516 ng
 RT: 13.092 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF127746.D
 Acq: 11 Apr 2022 18:50

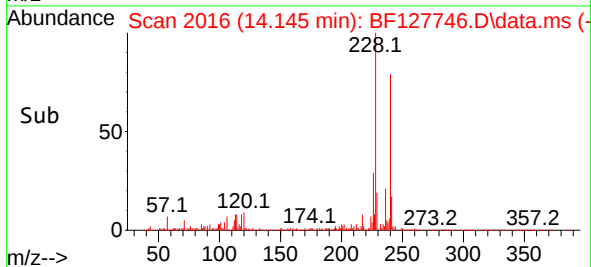
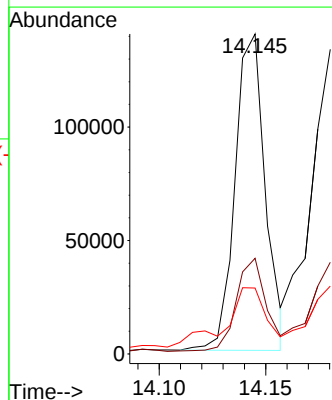
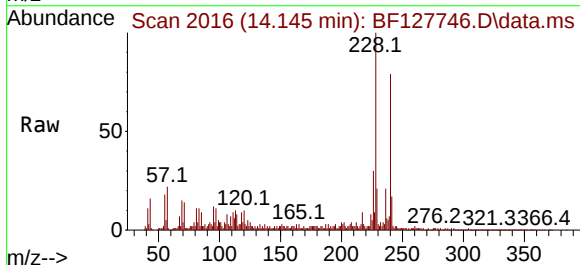
Instrument :
 BNA_F
 ClientSampleId :
 A350-CU

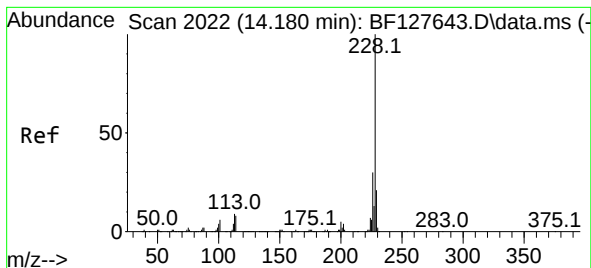
Tgt Ion:244 Resp: 758327
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 8.7 6.2 9.2



#81
 Benzo(a)anthracene
 Concen: 7.323 ng
 RT: 14.145 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: BF127746.D
 Acq: 11 Apr 2022 18:50

Tgt Ion:228 Resp: 137526
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.6 32.4
 229 20.6 15.4 23.2





#83

Chrysene

Concen: 7.223 ng

RT: 14.180 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF127746.D

Acq: 11 Apr 2022 18:50

Instrument :

BNA_F

ClientSampleId :

A350-CU

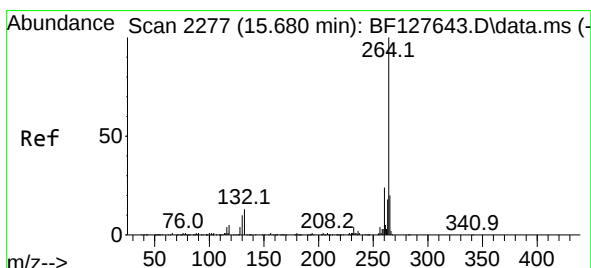
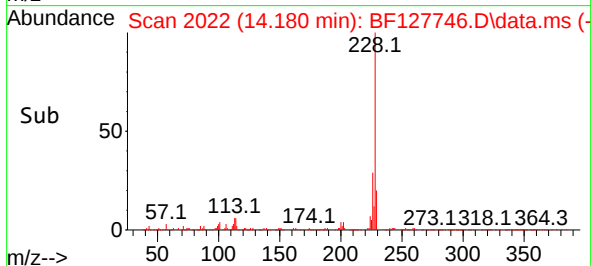
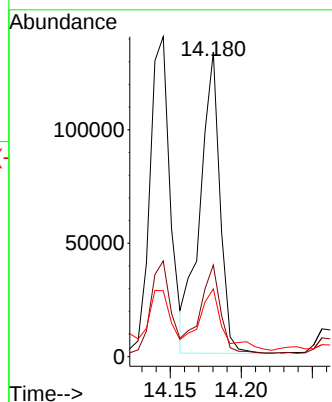
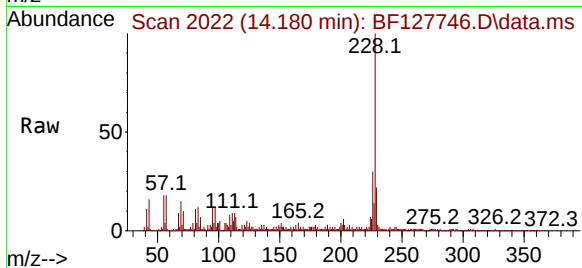
Tgt Ion:228 Resp: 130200

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

229 22.3 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF127746.D

Acq: 11 Apr 2022 18:50

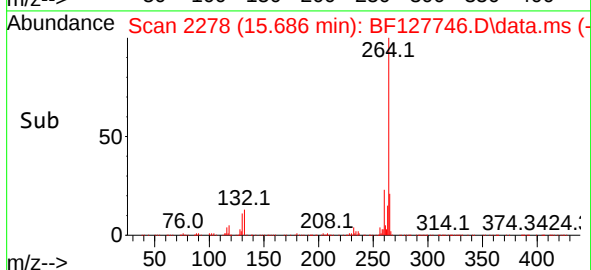
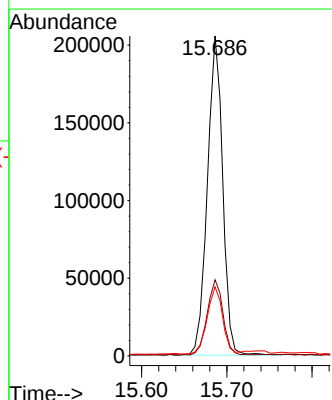
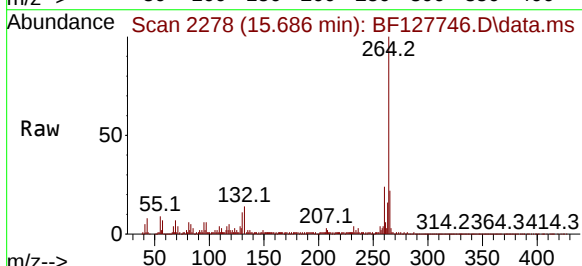
Tgt Ion:264 Resp: 256639

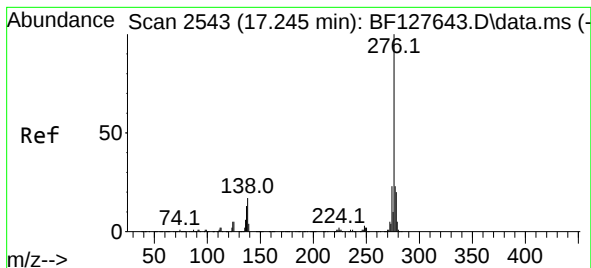
Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.573 ng

RT: 17.245 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127746.D

Acq: 11 Apr 2022 18:50

Instrument :

BNA_F

ClientSampleId :

A350-CU

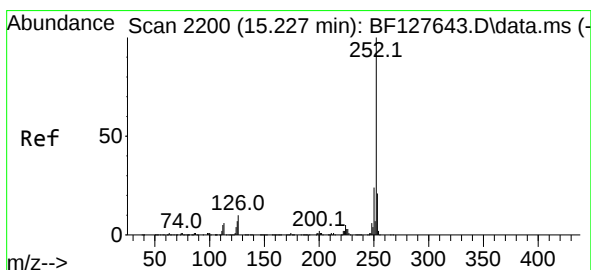
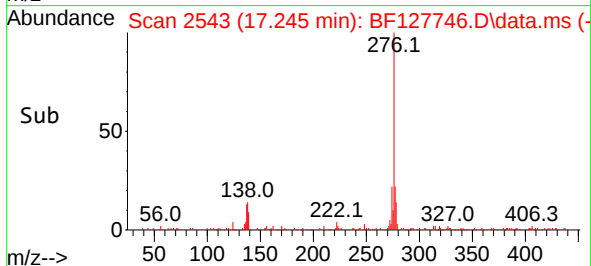
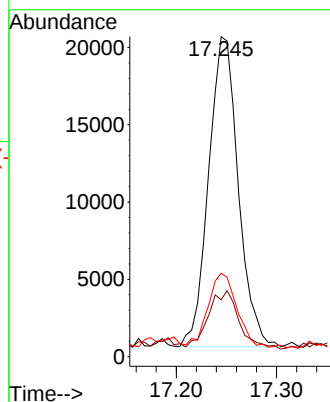
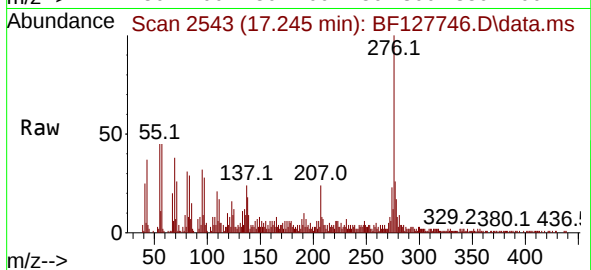
Tgt Ion:276 Resp: 41256

Ion Ratio Lower Upper

276 100

138 19.5 17.1 25.7

277 22.5 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 11.423 ng

RT: 15.227 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF127746.D

Acq: 11 Apr 2022 18:50

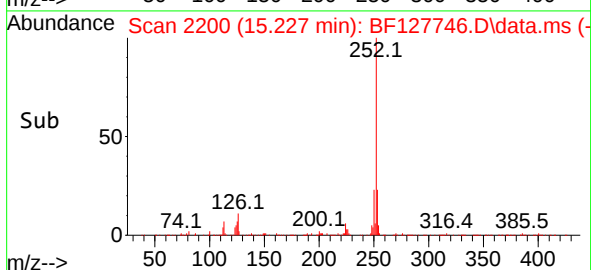
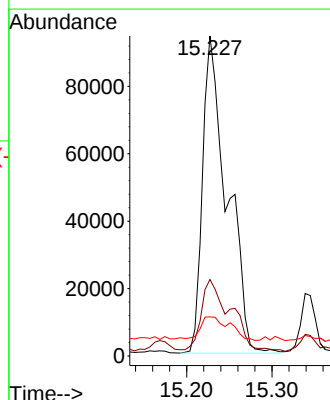
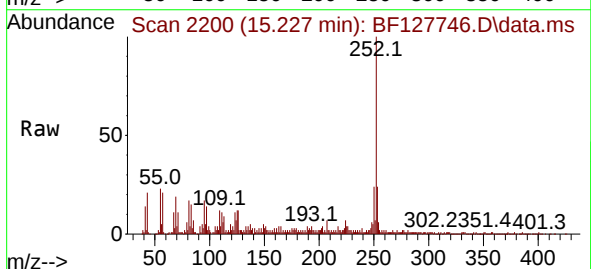
Tgt Ion:252 Resp: 188594

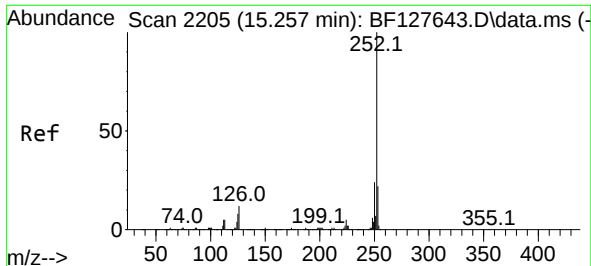
Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 12.2 7.0 10.4#

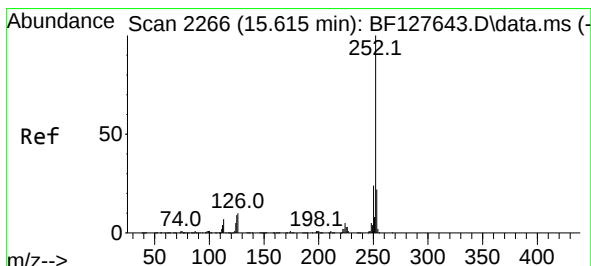
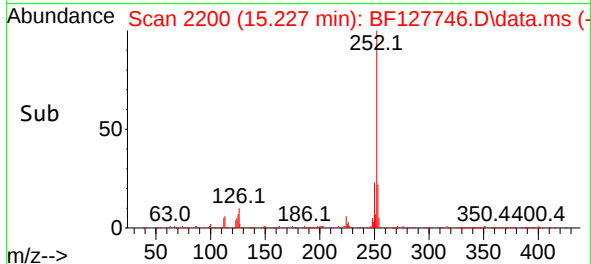
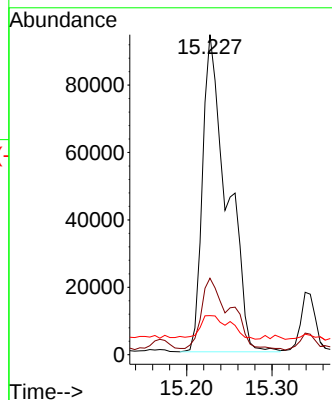
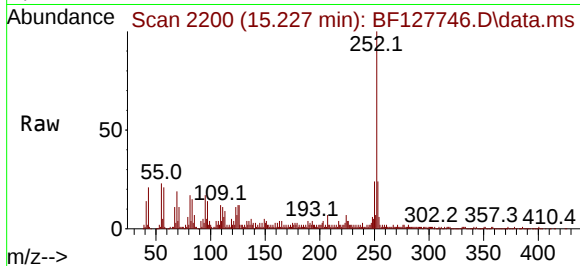




#89
Benzo(k)fluoranthene
Concen: 11.518 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

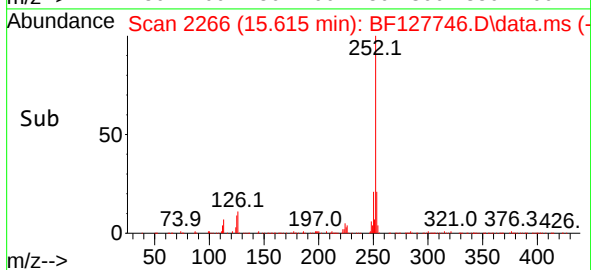
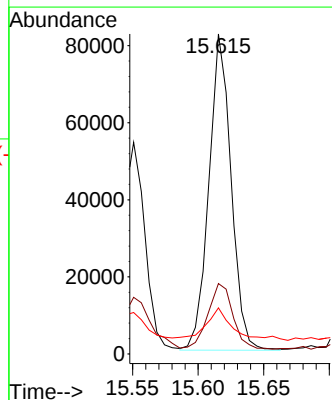
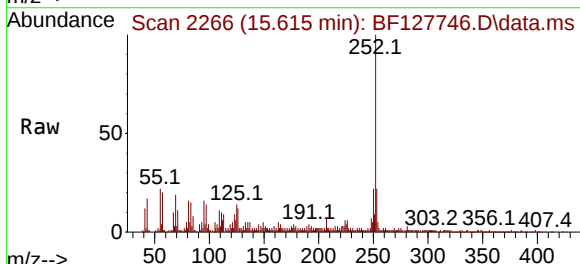
Instrument :
BNA_F
ClientSampleId :
A350-CU

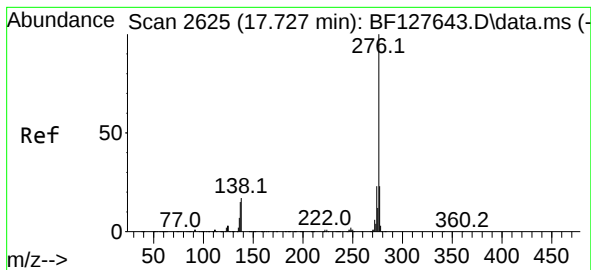
Tgt Ion:252 Resp: 188594
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 12.2 6.9 10.3#



#90
Benzo(a)pyrene
Concen: 7.222 ng
RT: 15.615 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF127746.D
Acq: 11 Apr 2022 18:50

Tgt Ion:252 Resp: 96911
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 14.4 6.7 10.1#





#92

Benzo(g,h,i)perylene

Concen: 2.884 ng

RT: 17.721 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127746.D

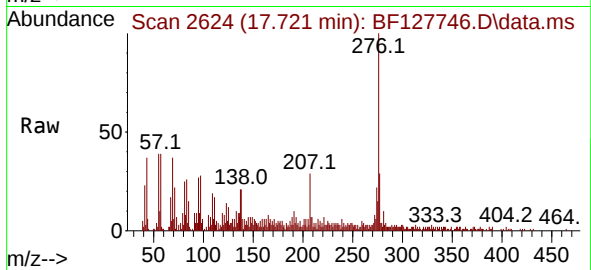
Acq: 11 Apr 2022 18:50

Instrument :

BNA_F

ClientSampleId :

A350-CU



Tgt Ion:	276	Resp:	38410
Ion Ratio	Lower	Upper	
276	100		
277	28.7	19.0	28.4#
138	20.9	14.6	22.0

