

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127927.D
 Acq On : 26 Apr 2022 22:08
 Operator : CG\JU
 Sample : N2559-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-10D

Quant Time: Apr 27 01:49:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

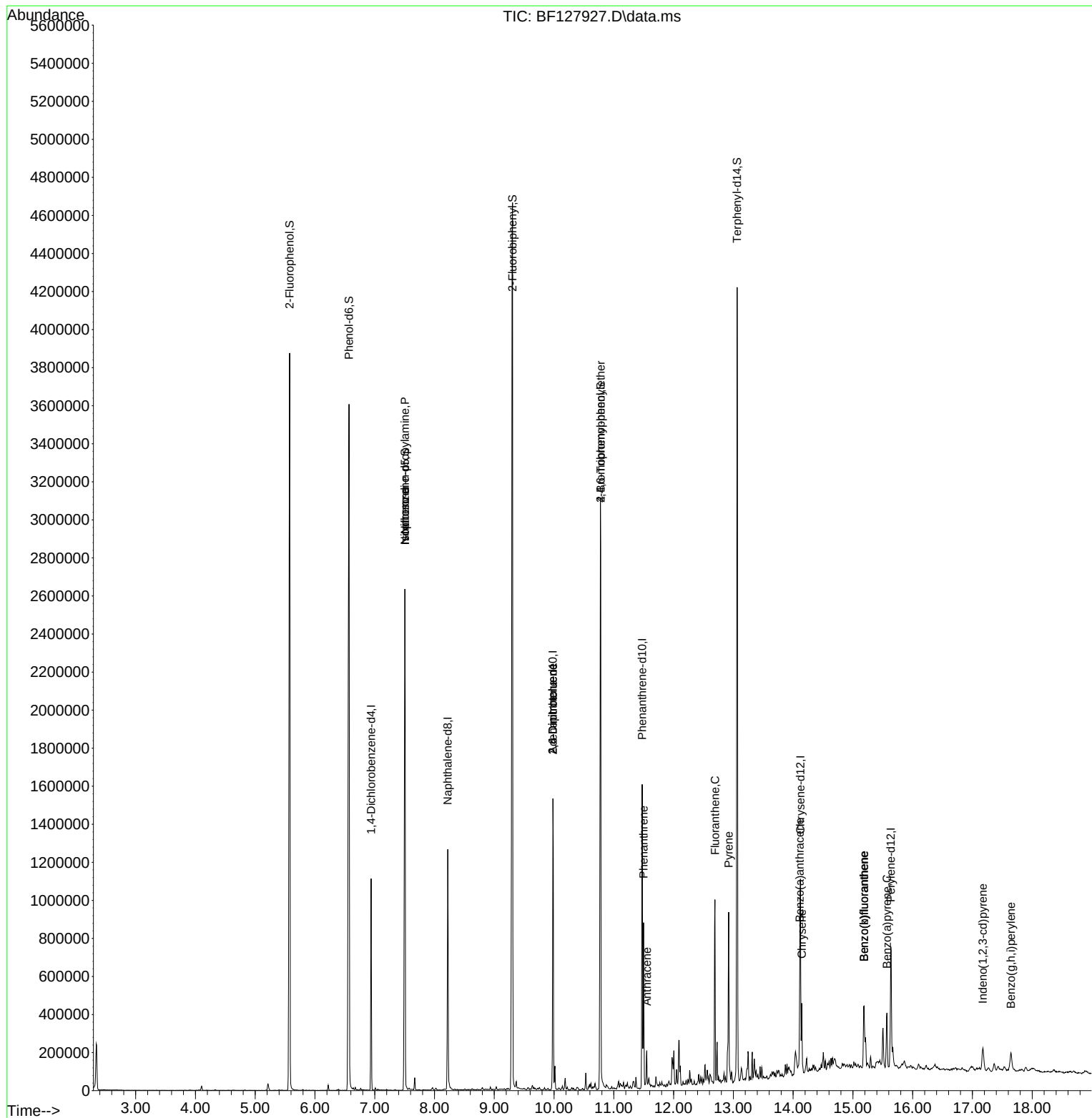
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	143067	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	573929	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	334338	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	562209	20.000	ng	0.00
76) Chrysene-d12	14.121	240	299642	20.000	ng	0.00
86) Perylene-d12	15.633	264	311714	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1084586	120.748	ng	0.01
7) Phenol-d6	6.569	99	1436497	123.251	ng	0.00
23) Nitrobenzene-d5	7.504	82	1052349	86.223	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	411337	122.215	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1731803	87.629	ng	0.00
79) Terphenyl-d14	13.063	244	1531121	93.436	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	143816	20.158	ng	# 79
25) Isophorone	7.504	82	1052338	51.229	ng	# 68
51) 2,6-Dinitrotoluene	9.981	165	43716	9.005	ng	# 21
57) 2,4-Dinitrotoluene	9.981	165	43716	6.798	ng	# 25
67) 4-Bromophenyl-phenylether	10.781	248	26253	4.212	ng	# 1
71) Phenanthrene	11.498	178	284636	9.672	ng	99
72) Anthracene	11.551	178	71568	2.441	ng	99
75) Fluoranthene	12.692	202	374360	12.087	ng	97
78) Pyrene	12.922	202	346710	14.334	ng	99
81) Benzo(a)anthracene	14.110	228	144388	7.230	ng	98
83) Chrysene	14.145	228	132798	6.962	ng	98
87) Indeno(1,2,3-cd)pyrene	17.174	276	82431	3.962	ng	97
88) Benzo(b)fluoranthene	15.186	252	256543	13.103	ng	98
89) Benzo(k)fluoranthene	15.186	252	256543	13.006	ng	# 96
90) Benzo(a)pyrene	15.568	252	146497	9.021	ng	98
92) Benzo(g,h,i)perylene	17.645	276	75760	4.308	ng	97

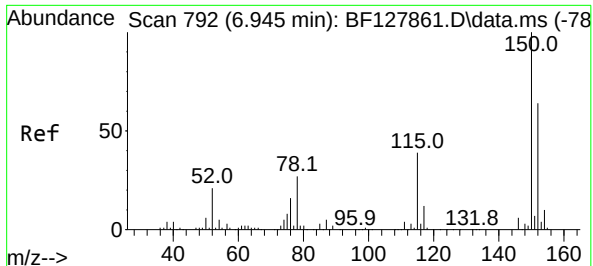
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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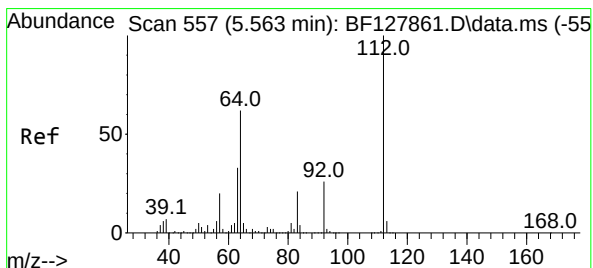
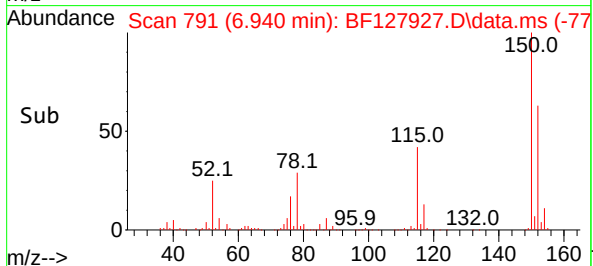
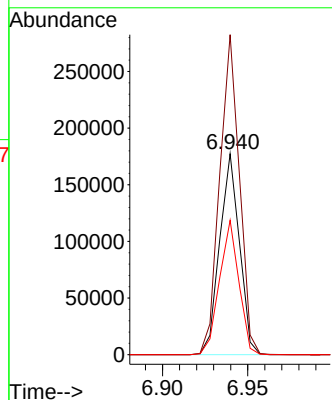
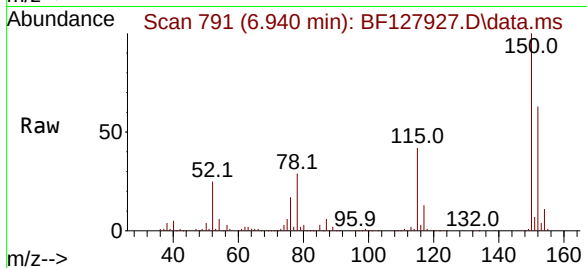




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.940 min Scan# 791
 Delta R.T. -0.005 min
 Lab File: BF127927.D
 Acq: 26 Apr 2022 22:08

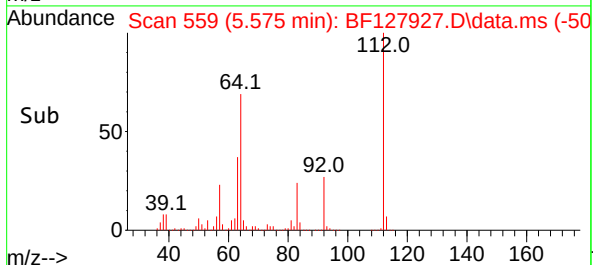
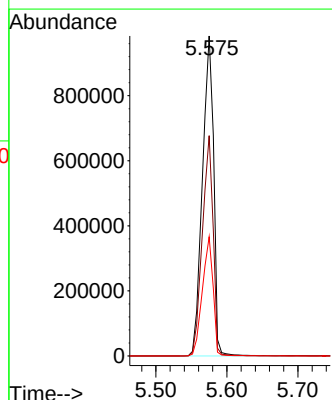
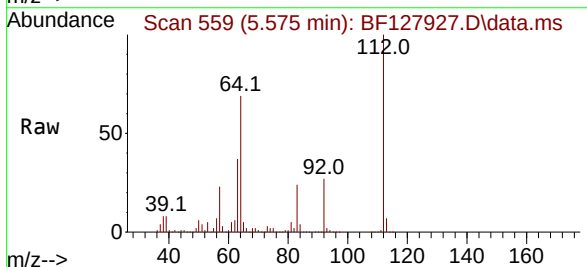
Instrument :
 BNA_F
 ClientSampleId :
 MH-10D

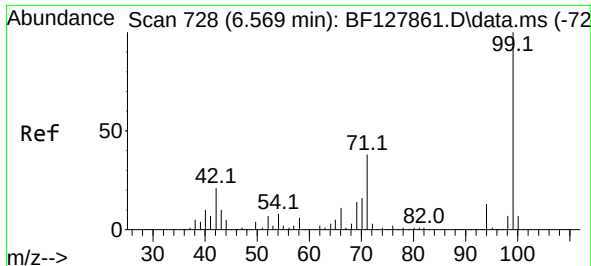
Tgt Ion:152 Resp: 143067
 Ion Ratio Lower Upper
 152 100
 150 159.2 125.3 187.9
 115 66.8 48.8 73.2



#5
 2-Fluorophenol
 Concen: 120.748 ng
 RT: 5.575 min Scan# 559
 Delta R.T. 0.012 min
 Lab File: BF127927.D
 Acq: 26 Apr 2022 22:08

Tgt Ion:112 Resp: 1084586
 Ion Ratio Lower Upper
 112 100
 64 68.9 49.5 74.3
 63 37.2 26.3 39.5



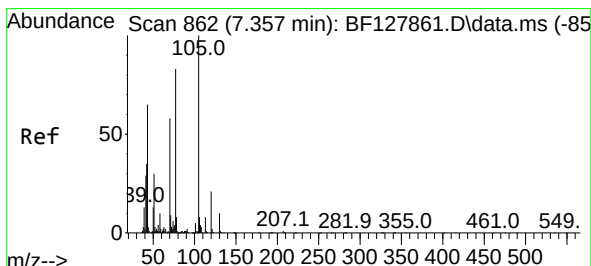
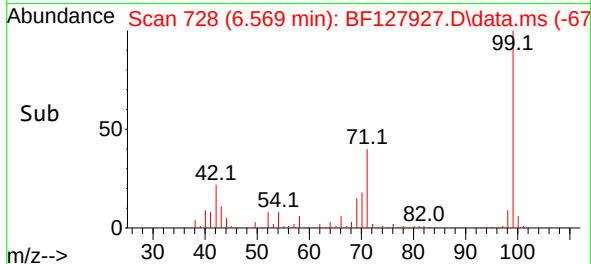
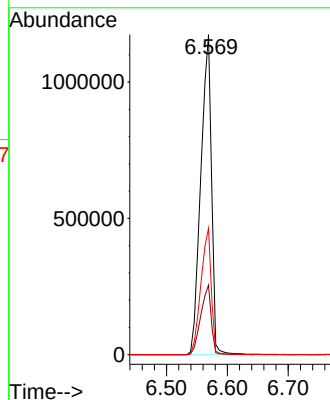
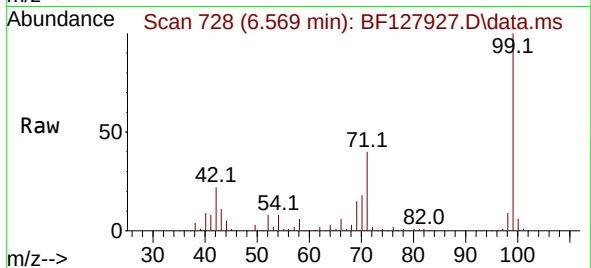


#7
Phenol-d6
Concen: 123.251 ng
RT: 6.569 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Instrument :
BNA_F
ClientSampleId :
MH-10D

Tgt Ion: 99 Resp: 1436497

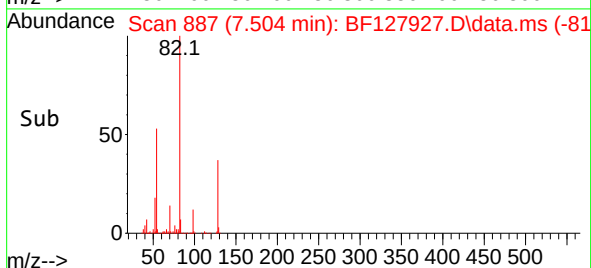
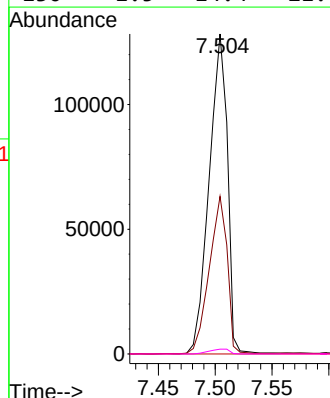
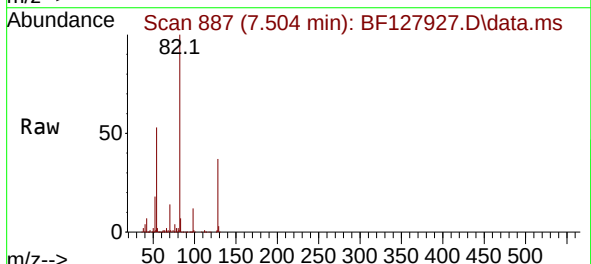
Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.6	24.8
71	39.5	30.0	45.0

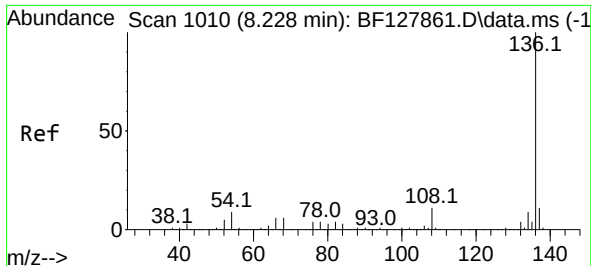


#19
n-Nitroso-di-n-propylamine
Concen: 20.158 ng
RT: 7.504 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Tgt Ion: 70 Resp: 143816

Ion	Ratio	Lower	Upper
70	100		
42	49.3	48.7	73.1
101	0.0	7.2	10.8#
130	1.5	14.4	21.6#

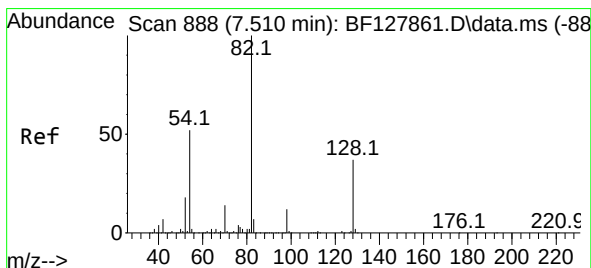
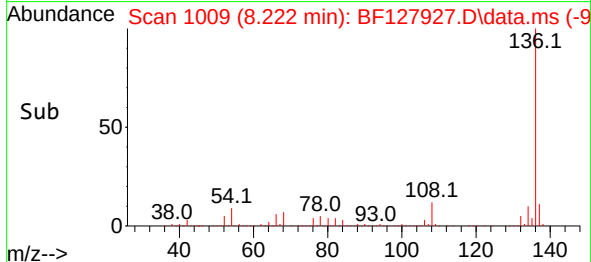
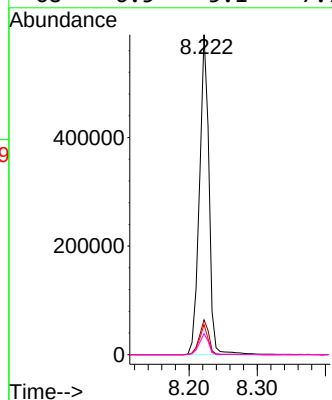
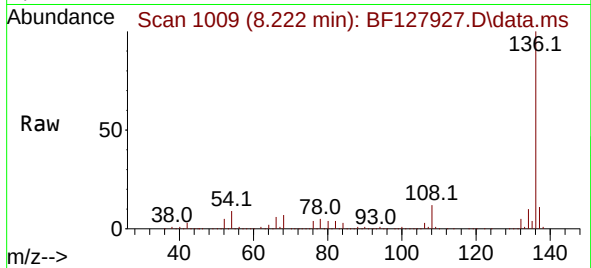




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

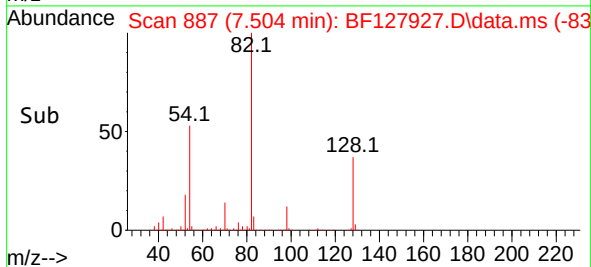
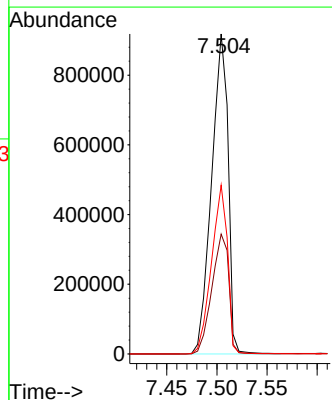
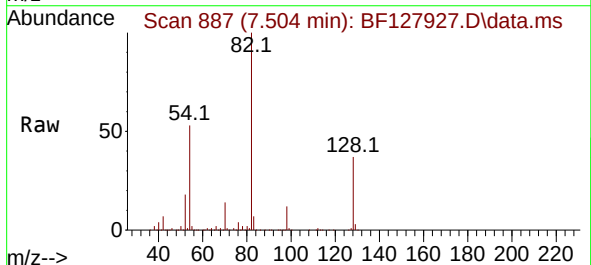
Instrument :
BNA_F
ClientSampleId :
MH-10D

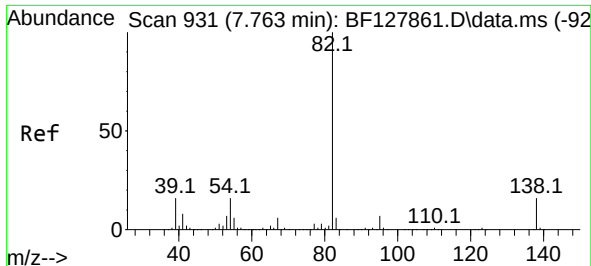
Tgt Ion:136	Resp: 573929
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 9.4	6.8 10.2
68 6.5	5.1 7.7



#23
Nitrobenzene-d5
Concen: 86.223 ng
RT: 7.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Tgt Ion: 82		Resp: 1052349	
Ion	Ratio	Lower	Upper
82	100		
128	37.5	30.0	45.0
54	52.8	41.3	61.9

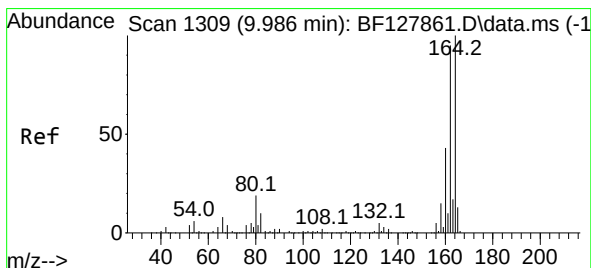
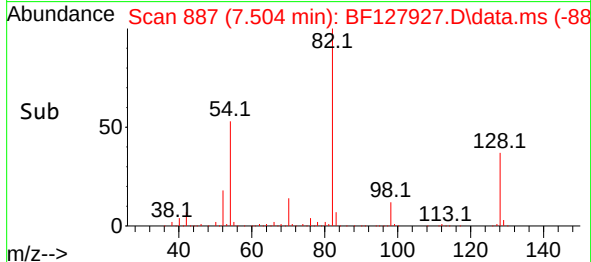
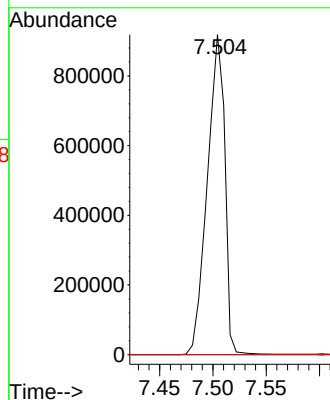
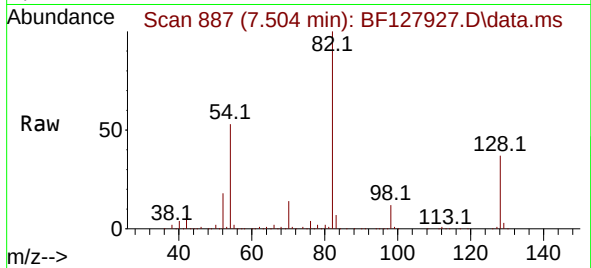




#25
Isophorone
Concen: 51.229 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

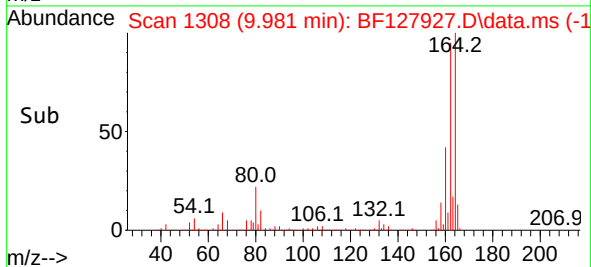
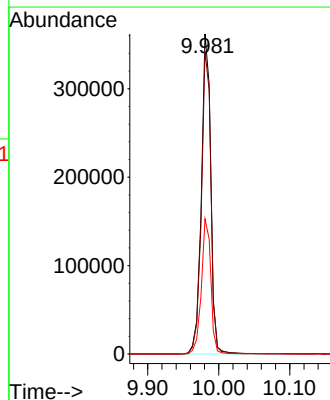
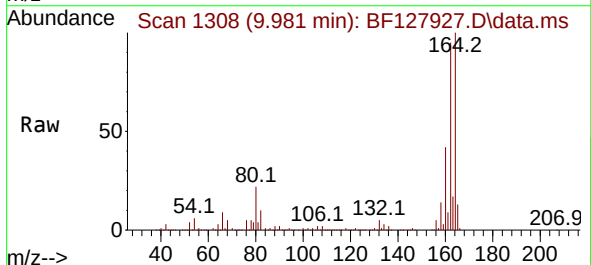
Instrument :
BNA_F
ClientSampleId :
MH-10D

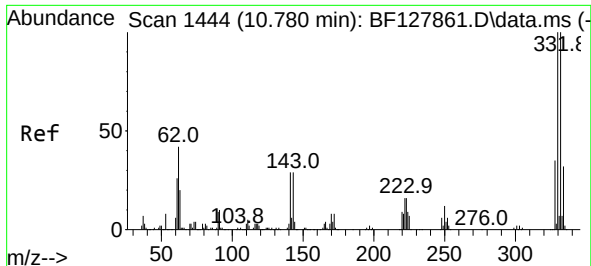
Tgt Ion: 82 Resp: 1052338
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Tgt Ion:164 Resp: 334338
Ion Ratio Lower Upper
164 100
162 94.6 76.0 114.0
160 42.2 34.8 52.2

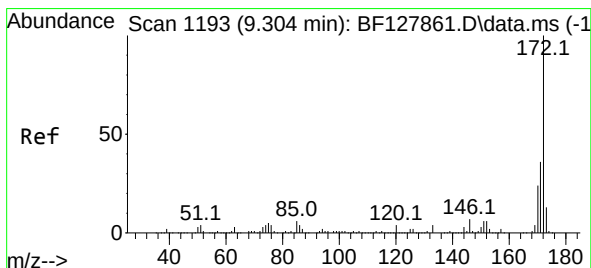
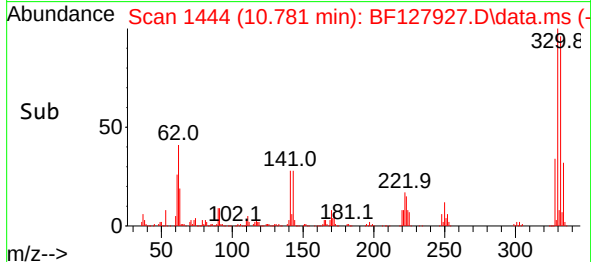
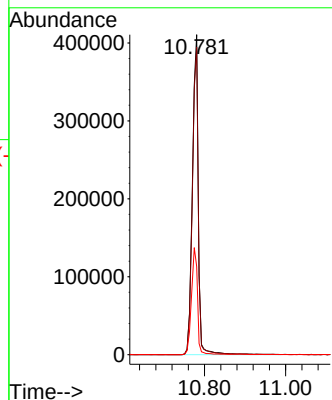
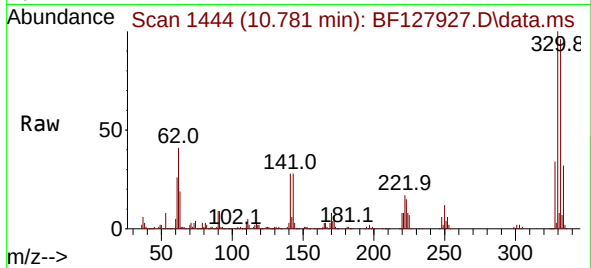




#42
 2,4,6-Tribromophenol
 Concen: 122.215 ng
 RT: 10.781 min Scan# 1444
 Delta R.T. 0.000 min
 Lab File: BF127927.D
 Acq: 26 Apr 2022 22:08

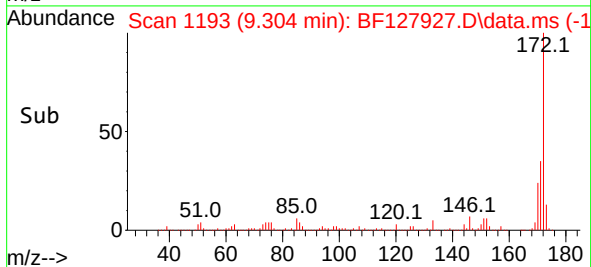
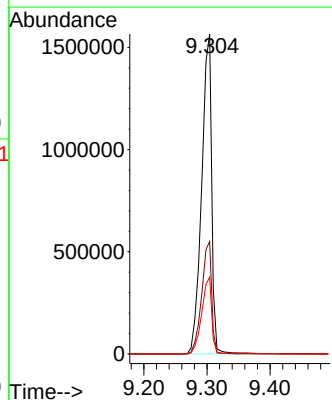
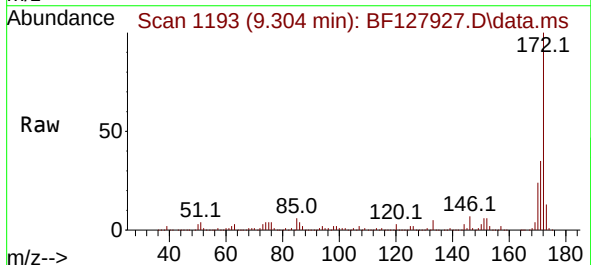
Instrument :
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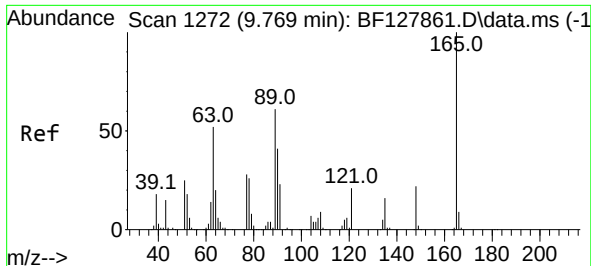
Tgt Ion:330 Resp: 411337
 Ion Ratio Lower Upper
 330 100
 332 96.0 79.0 118.4
 141 34.3 28.9 43.3



#45
 2-Fluorobiphenyl
 Concen: 87.629 ng
 RT: 9.304 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: BF127927.D
 Acq: 26 Apr 2022 22:08

Tgt Ion:172 Resp: 1731803
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 42.8
 170 24.0 19.1 28.7

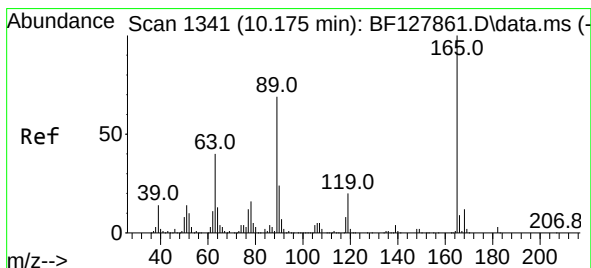
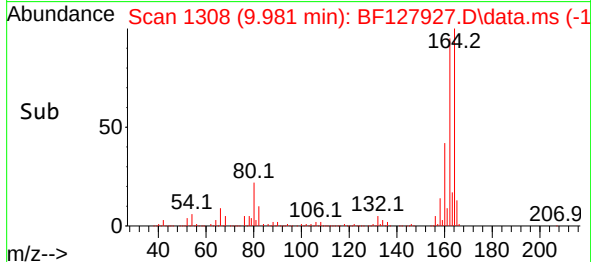
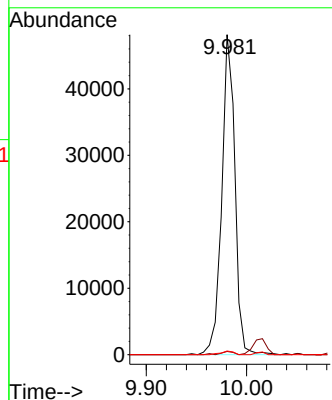
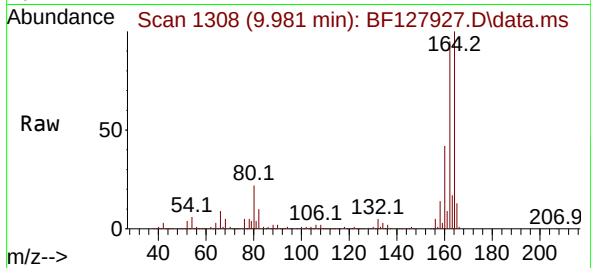




#51
2,6-Dinitrotoluene
Concen: 9.005 ng
RT: 9.981 min Scan# 1308
Delta R.T. 0.212 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

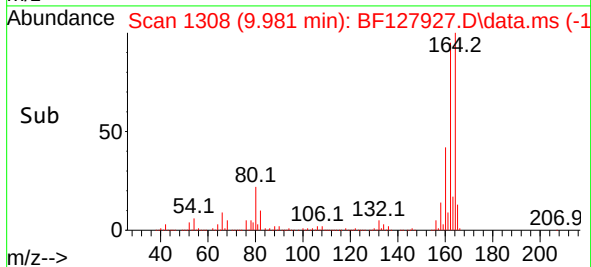
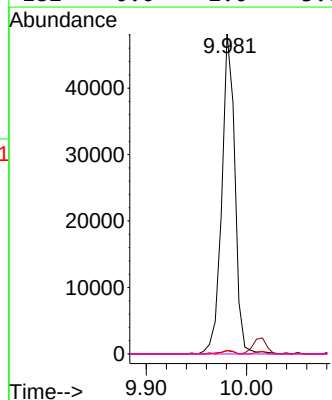
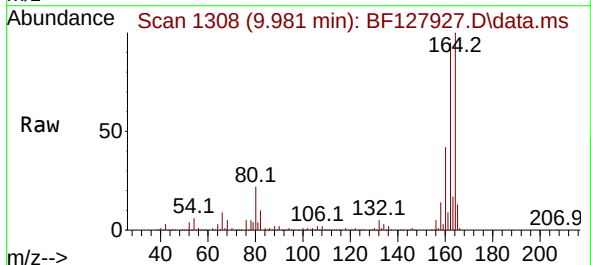
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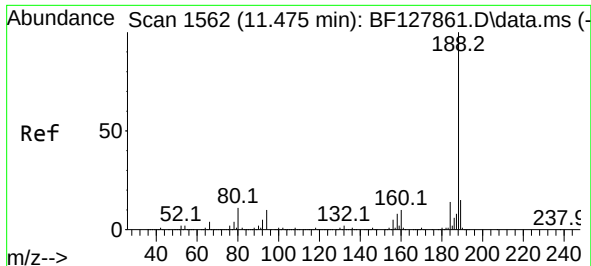
Tgt Ion:165 Resp: 43716
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.2 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.798 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.194 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Tgt Ion:165 Resp: 43716
Ion Ratio Lower Upper
165 100
63 1.0 32.6 49.0#
89 1.2 55.2 82.8#
182 0.0 2.0 3.0#

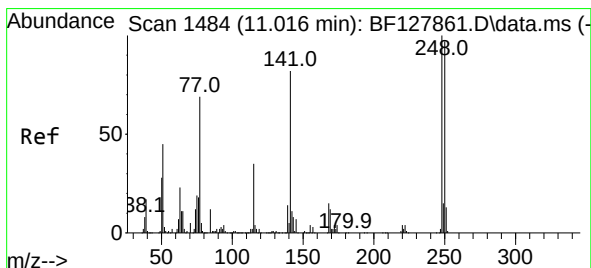
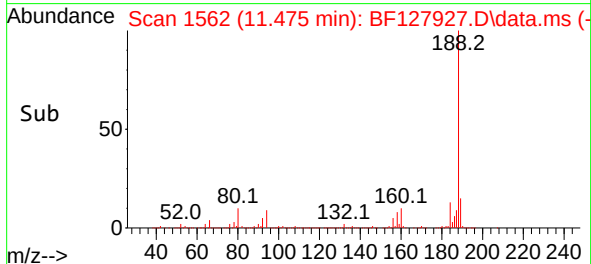
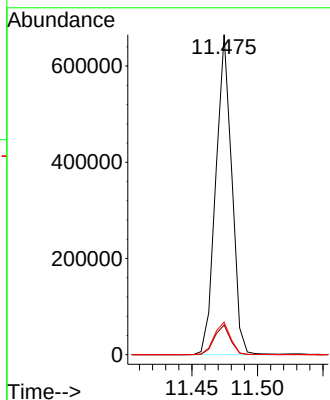
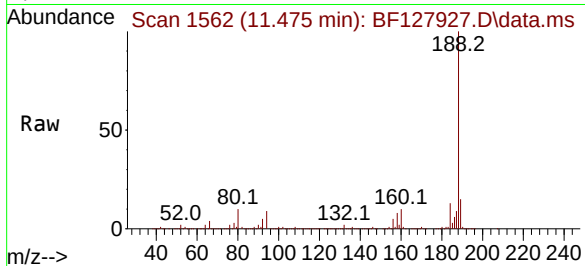




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

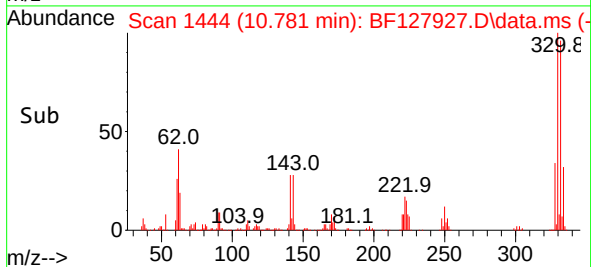
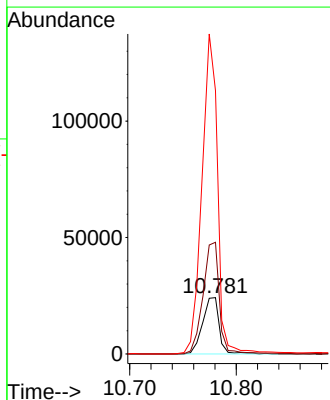
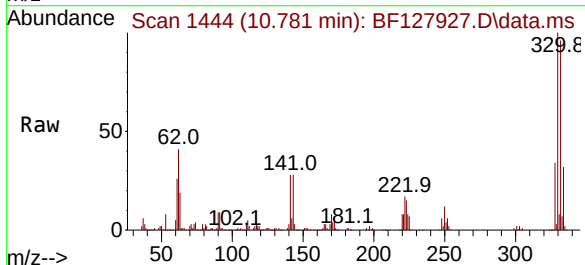
Instrument :
BNA_F
ClientSampleId :
MH-10D

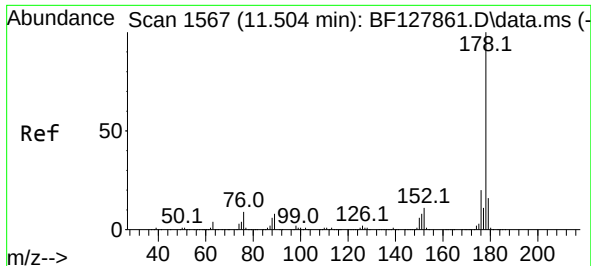
Tgt Ion:188 Resp: 562209
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.2 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 4.212 ng
RT: 10.781 min Scan# 1444
Delta R.T. -0.235 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Tgt Ion:248 Resp: 26253
Ion Ratio Lower Upper
248 100
250 198.0 77.7 116.5#
141 466.9 65.6 98.4#

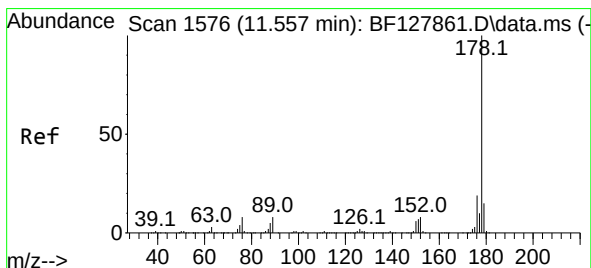
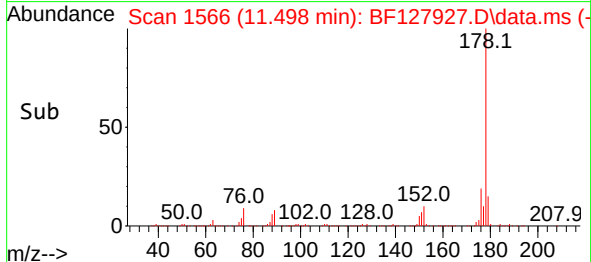
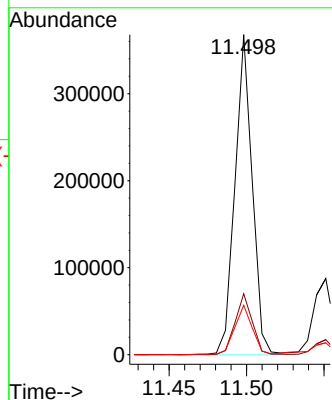
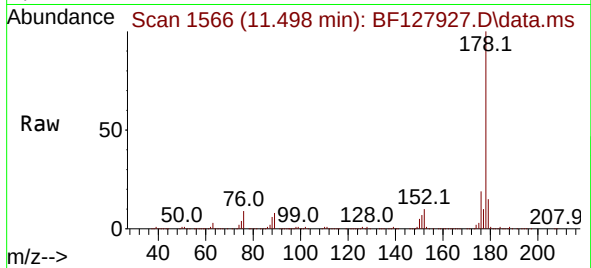




#71
Phenanthrene
Concen: 9.672 ng
RT: 11.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

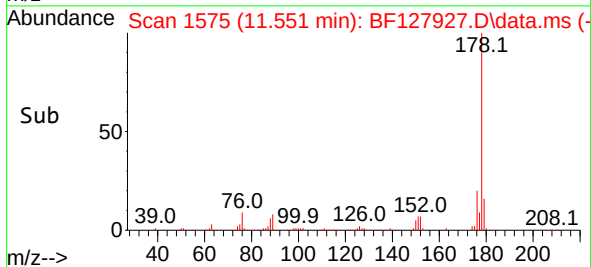
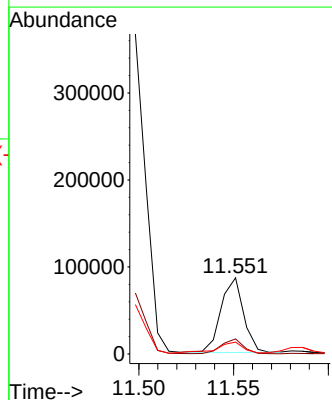
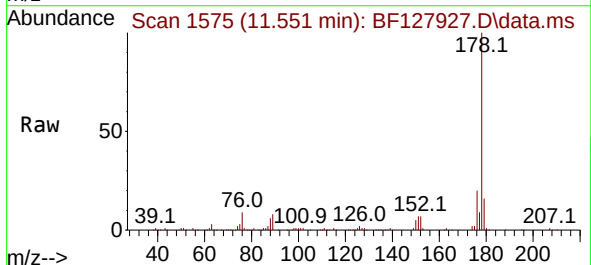
Instrument :
BNA_F
ClientSampleId :
MH-10D

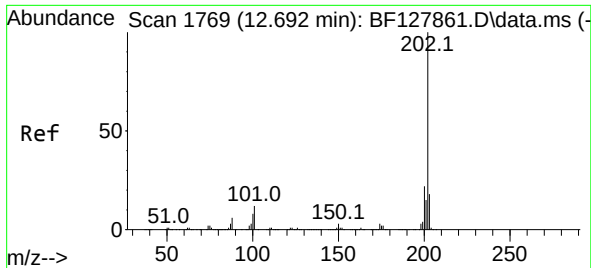
Tgt Ion:178 Resp: 284636
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.5 12.6 19.0



#72
Anthracene
Concen: 2.441 ng
RT: 11.551 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Tgt Ion:178 Resp: 71568
Ion Ratio Lower Upper
178 100
176 19.9 15.0 22.6
179 15.6 12.4 18.6

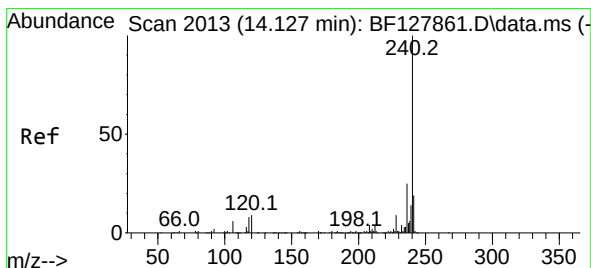
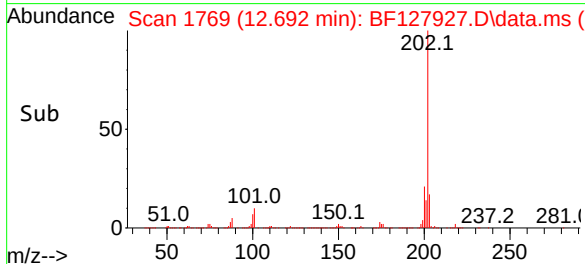
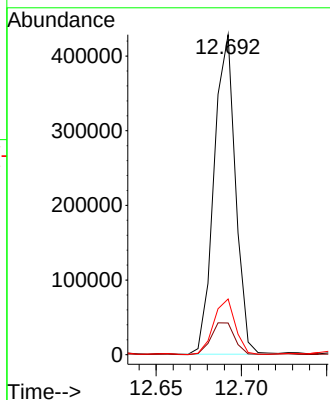
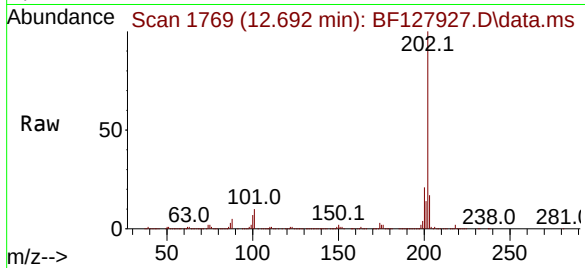




#75
Fluoranthene
Concen: 12.087 ng
RT: 12.692 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

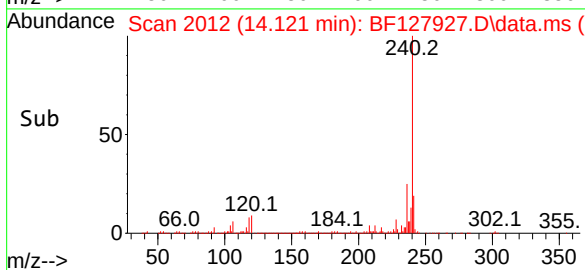
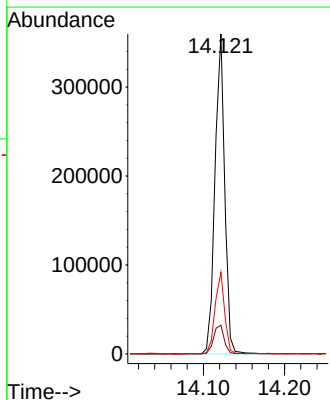
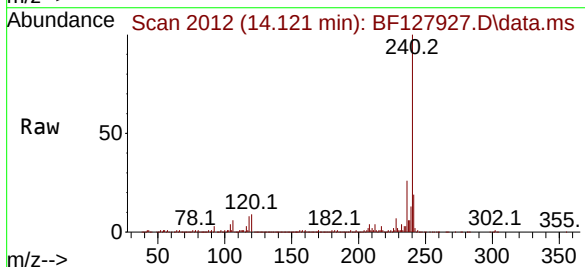
Instrument :
BNA_F
ClientSampleId :
MH-10D

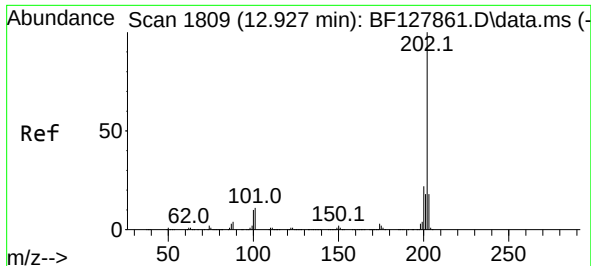
Tgt Ion:202 Resp: 374360
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.6
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Tgt Ion:240 Resp: 299642
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.6 20.3 30.5

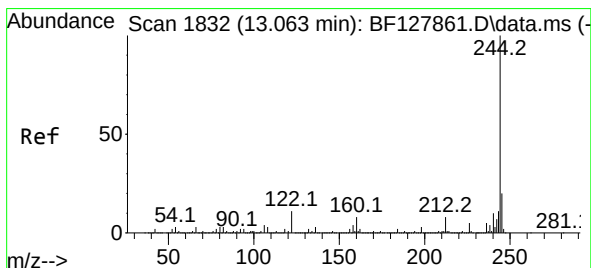
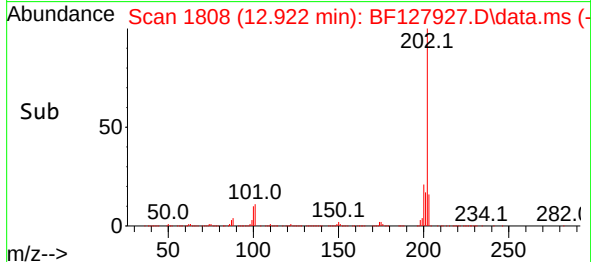
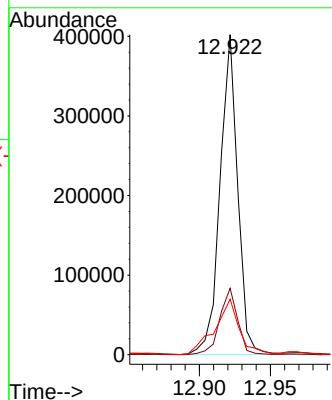
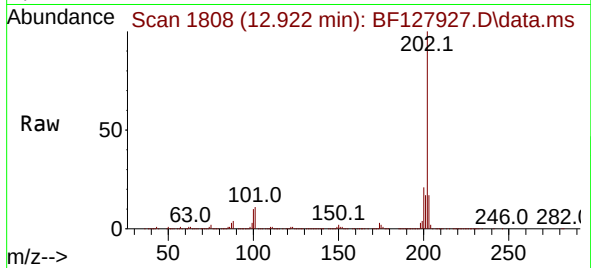




#78
 Pyrene
 Concen: 14.334 ng
 RT: 12.922 min Scan# 1808
 Delta R.T. -0.006 min
 Lab File: BF127927.D
 Acq: 26 Apr 2022 22:08

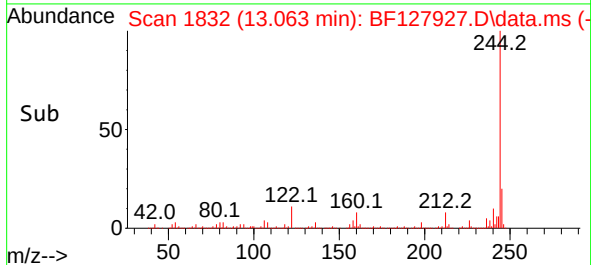
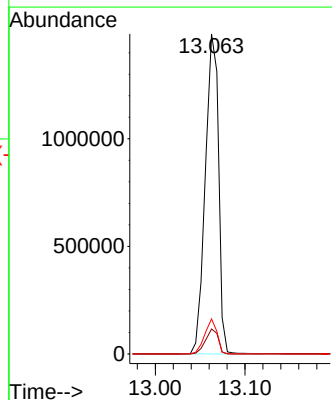
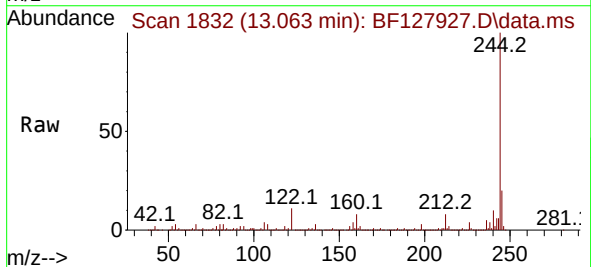
Instrument :
 BNA_F
 ClientSampleId :
 MH-10D

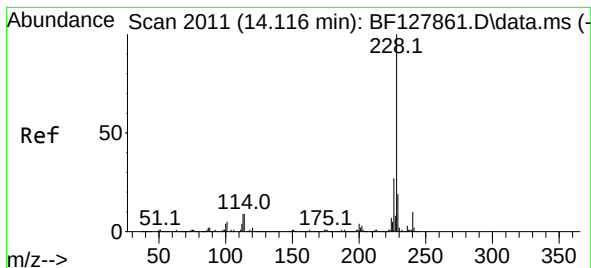
Tgt Ion:202 Resp: 346710
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.4 26.2
 203 17.3 14.0 21.0



#79
 Terphenyl-d14
 Concen: 93.436 ng
 RT: 13.063 min Scan# 1832
 Delta R.T. 0.000 min
 Lab File: BF127927.D
 Acq: 26 Apr 2022 22:08

Tgt Ion:244 Resp: 1531121
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.4
 122 11.0 8.6 12.8





#81

Benzo(a)anthracene

Concen: 7.230 ng

RT: 14.110 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF127927.D

Acq: 26 Apr 2022 22:08

Instrument :

BNA_F

ClientSampleId :

MH-10D

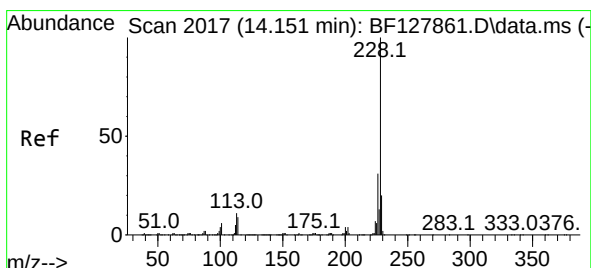
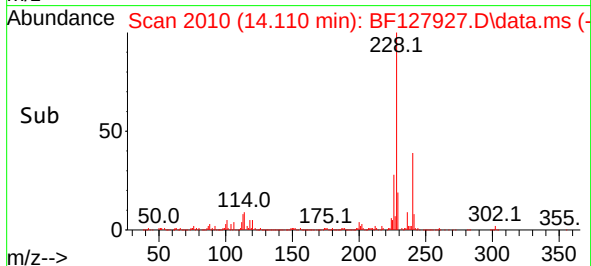
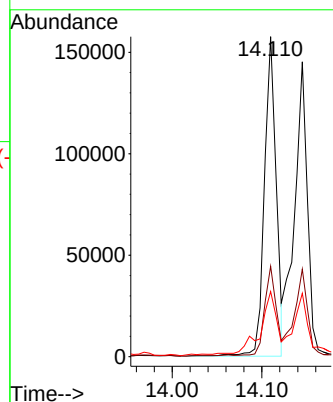
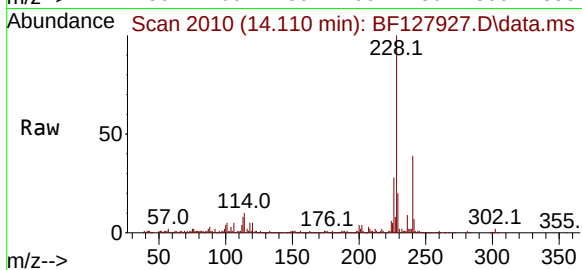
Tgt Ion:228 Resp: 144388

Ion Ratio Lower Upper

228 100

226 28.3 21.7 32.5

229 20.3 15.4 23.2



#83

Chrysene

Concen: 6.962 ng

RT: 14.145 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF127927.D

Acq: 26 Apr 2022 22:08

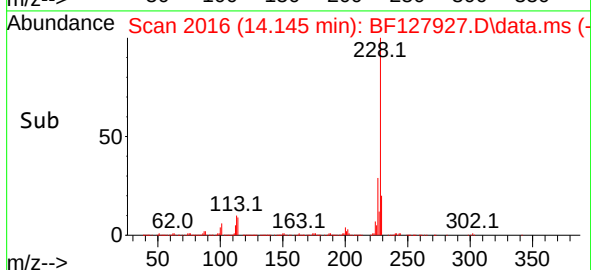
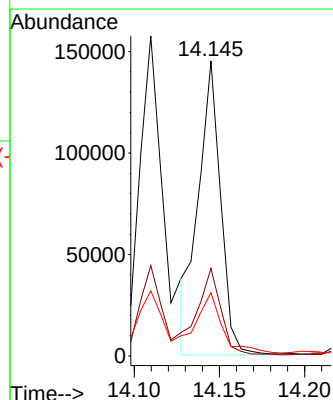
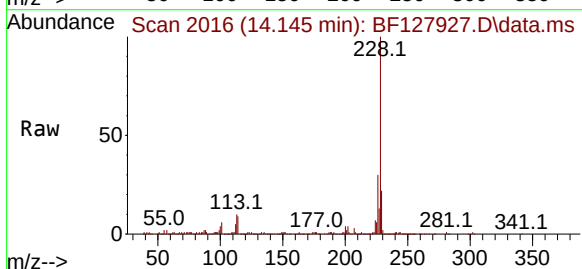
Tgt Ion:228 Resp: 132798

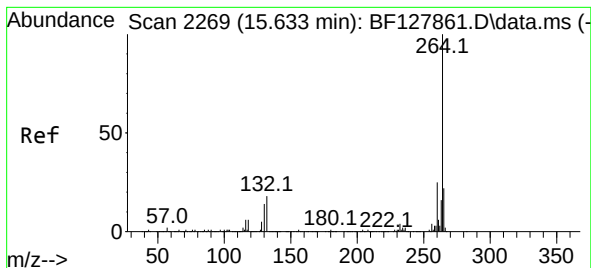
Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

229 21.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127927.D

Acq: 26 Apr 2022 22:08

Instrument :

BNA_F

ClientSampleId :

MH-10D

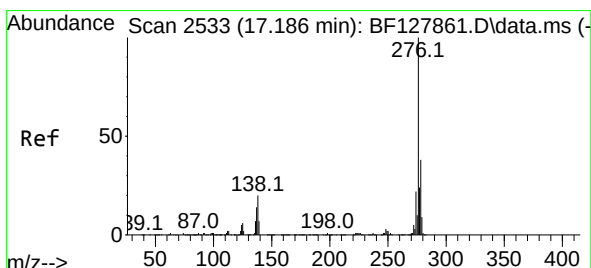
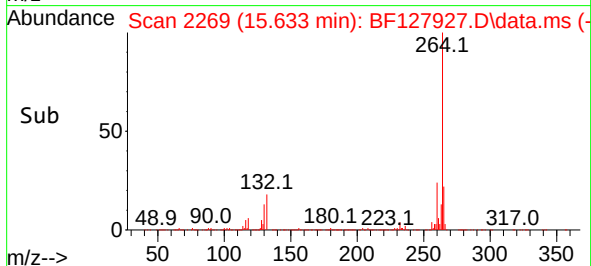
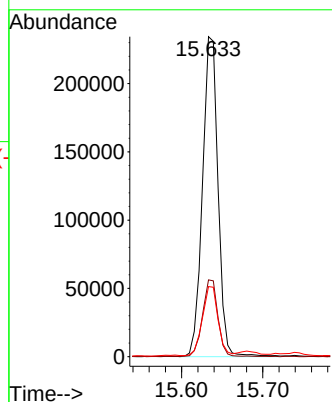
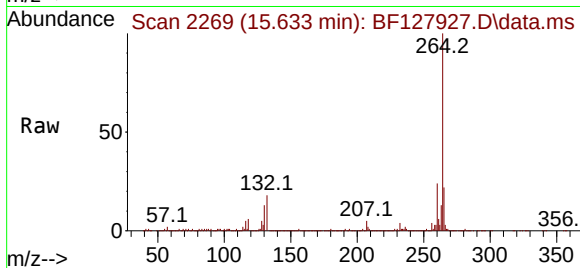
Tgt Ion:264 Resp: 311714

Ion Ratio Lower Upper

264 100

260 24.0 20.1 30.1

265 21.9 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.962 ng

RT: 17.174 min Scan# 2531

Delta R.T. -0.012 min

Lab File: BF127927.D

Acq: 26 Apr 2022 22:08

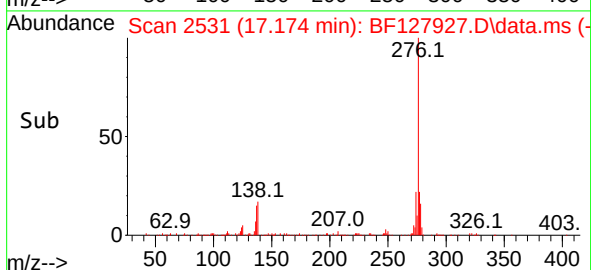
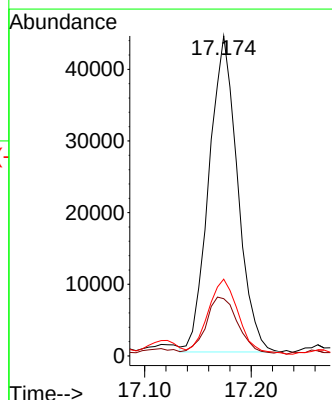
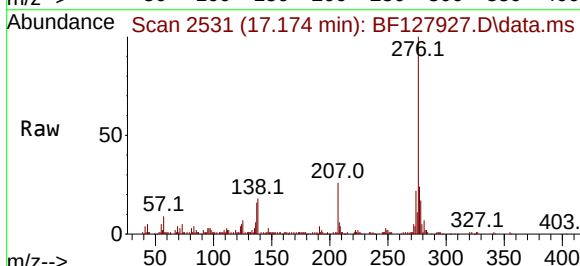
Tgt Ion:276 Resp: 82431

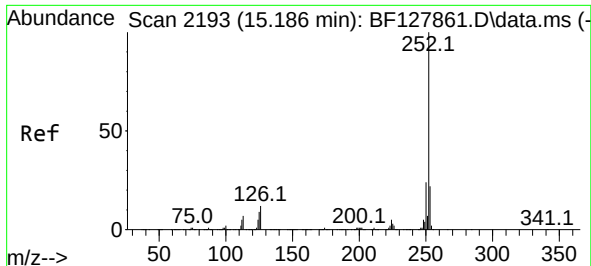
Ion Ratio Lower Upper

276 100

138 20.4 19.0 28.4

277 25.1 20.1 30.1

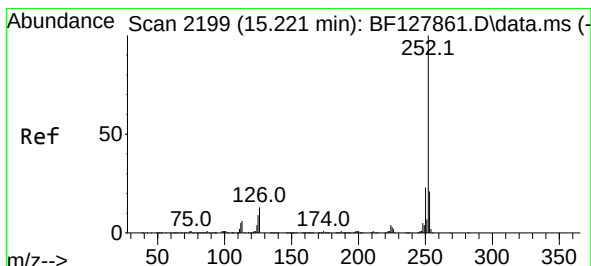
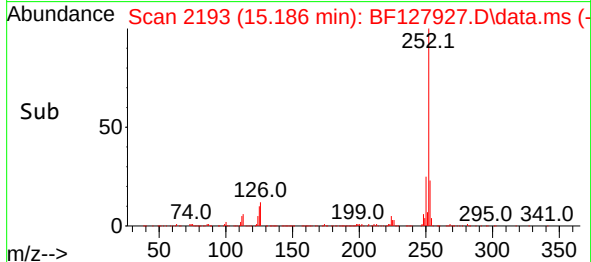
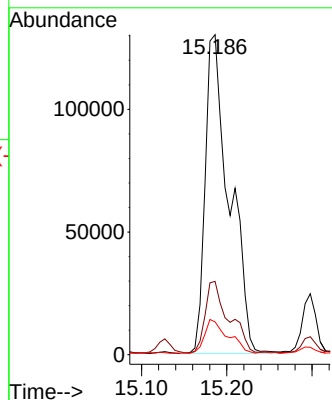
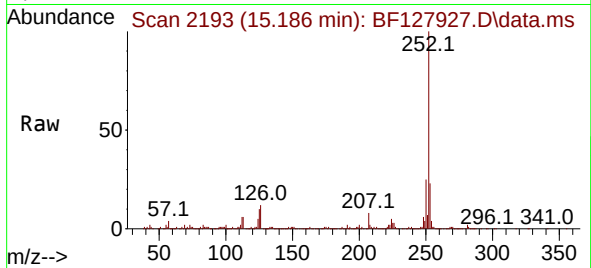




#88
Benzo(b)fluoranthene
Concen: 13.103 ng
RT: 15.186 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

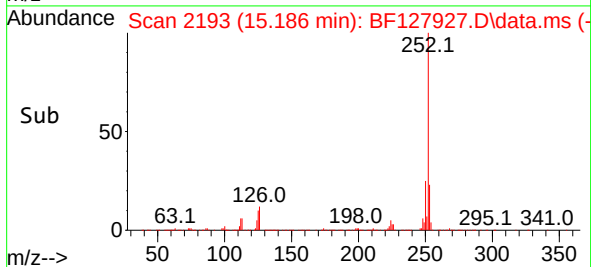
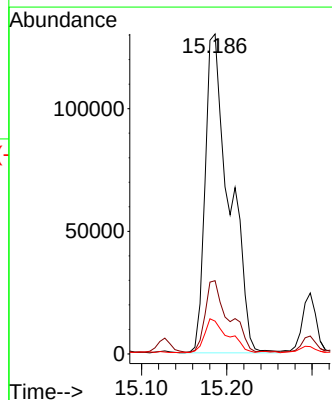
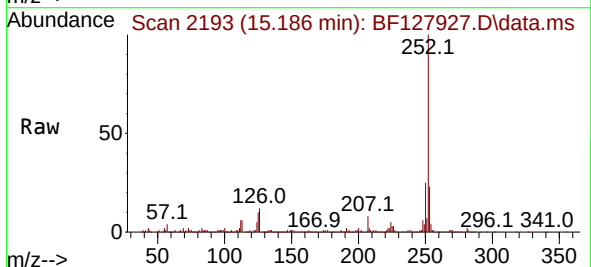
Instrument :
BNA_F
ClientSampleId :
MH-10D

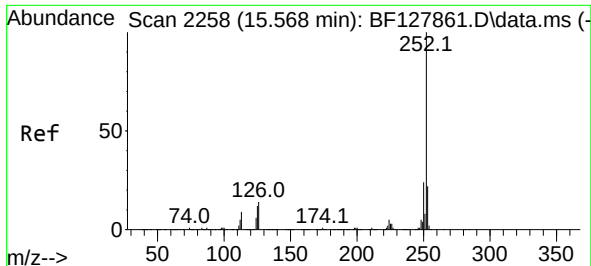
Tgt Ion:252 Resp: 256543
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 10.3 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 13.006 ng
RT: 15.186 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Tgt Ion:252 Resp: 256543
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 10.3 6.8 10.2#

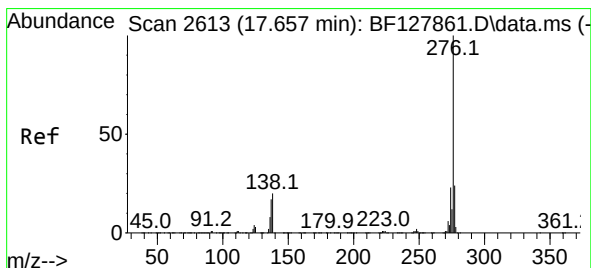
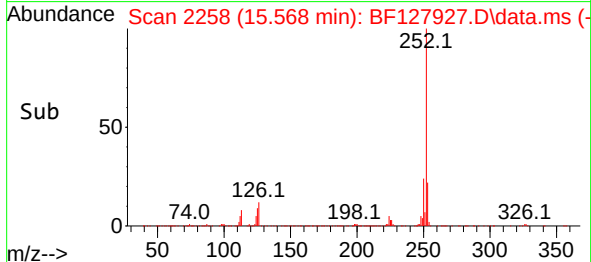
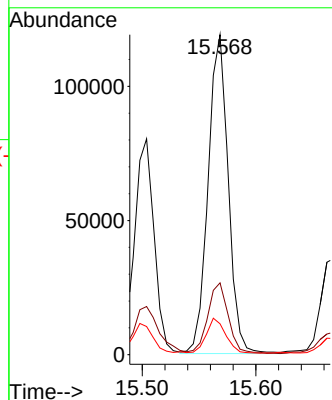
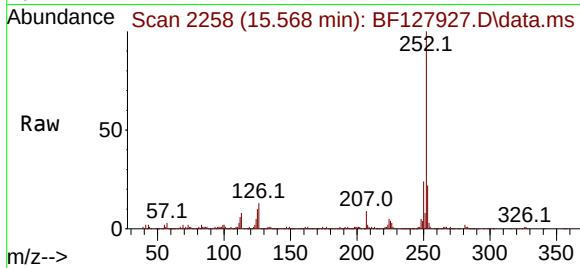




#90
Benzo(a)pyrene
Concen: 9.021 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Instrument :
BNA_F
ClientSampleId :
MH-10D

Tgt Ion:252 Resp: 146497
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 9.6 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 4.308 ng
RT: 17.645 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF127927.D
Acq: 26 Apr 2022 22:08

Tgt Ion:276 Resp: 75760
Ion Ratio Lower Upper
276 100
277 25.3 18.8 28.2
138 21.1 16.2 24.2

