

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF127998.D
 Acq On : 29 Apr 2022 16:48
 Operator : CG\JU
 Sample : N2616-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-18D

Quant Time: Apr 29 17:58:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

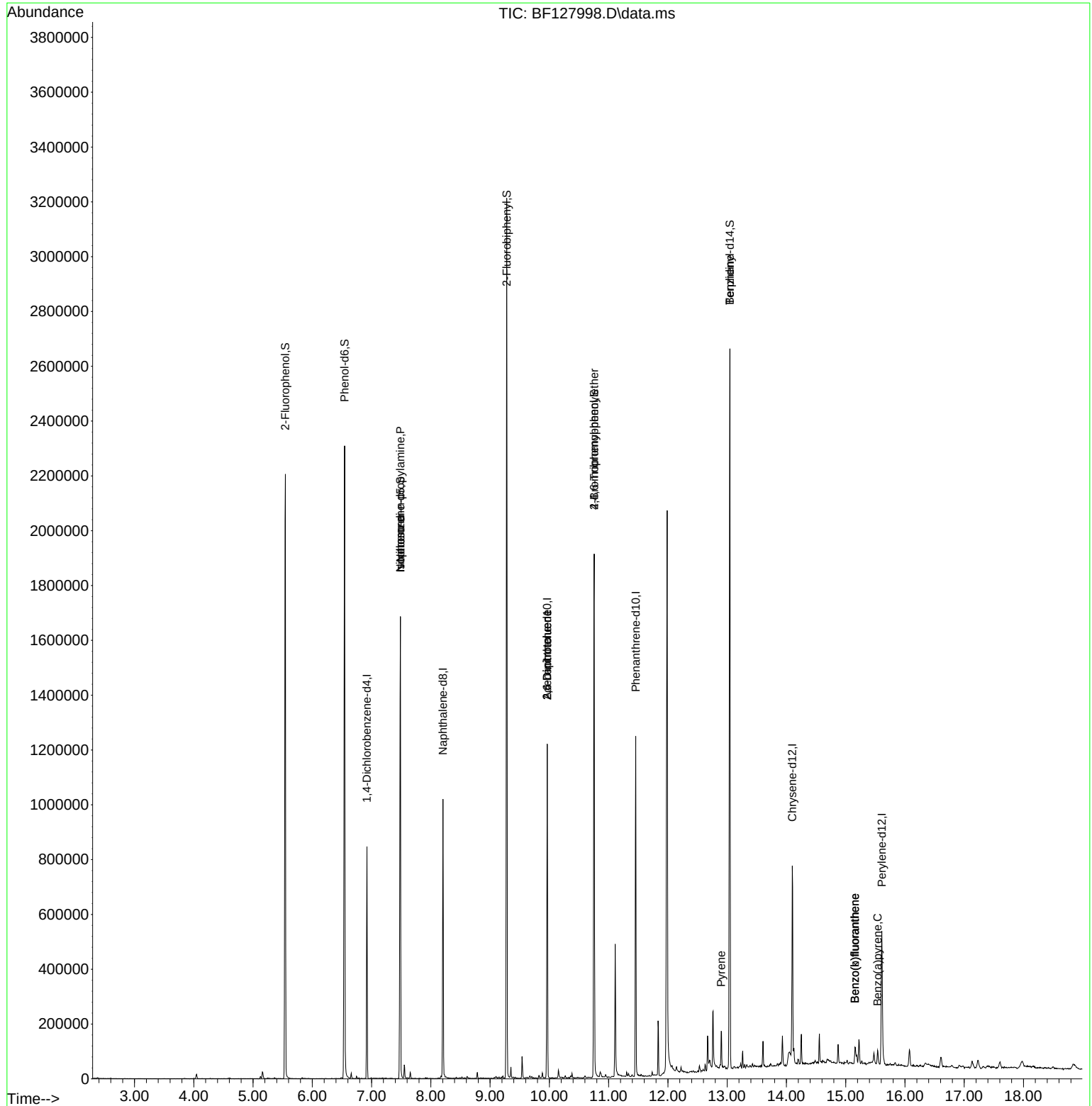
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	105373	20.000	ng	-0.01
21) Naphthalene-d8	8.204	136	408622	20.000	ng	-0.01
39) Acenaphthene-d10	9.963	164	236662	20.000	ng	-0.01
64) Phenanthrene-d10	11.457	188	421153	20.000	ng	-0.01
76) Chrysene-d12	14.098	240	238578	20.000	ng	#-0.02
86) Perylene-d12	15.610	264	220101	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	571957	86.455	ng	0.00
7) Phenol-d6	6.546	99	759413	88.466	ng	-0.02
23) Nitrobenzene-d5	7.487	82	570594	65.664	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	224971	94.430	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	938586	67.093	ng	-0.01
79) Terphenyl-d14	13.045	244	886492	67.944	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	78952	15.025	ng	# 78
25) Isophorone	7.487	82	568441	38.867	ng	# 68
51) 2,6-Dinitrotoluene	9.963	165	30718	8.939	ng	# 22
57) 2,4-Dinitrotoluene	9.963	165	30718	6.748	ng	# 26
67) 4-Bromophenyl-phenylether	10.757	248	13956	2.989	ng	# 1
77) Benzidine	13.045	184	12302	2.725	ng	# 92
78) Pyrene	12.898	202	46001	2.389	ng	99
88) Benzo(b)fluoranthene	15.157	252	44310	3.205	ng	# 95
89) Benzo(k)fluoranthene	15.157	252	44310	3.181	ng	# 94
90) Benzo(a)pyrene	15.539	252	24152	2.106	ng	97

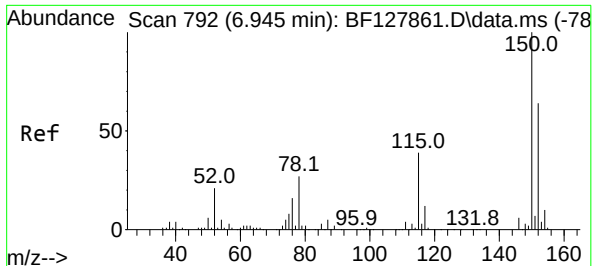
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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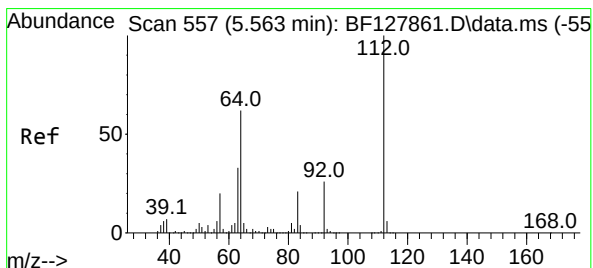
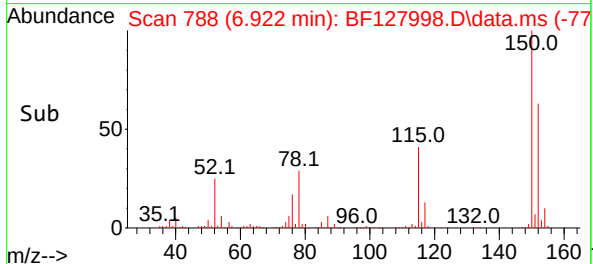
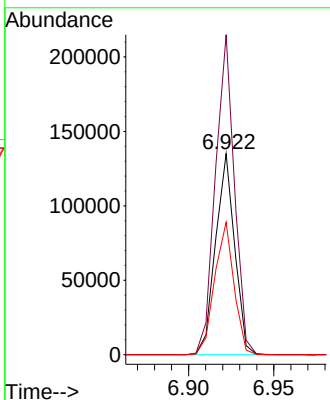
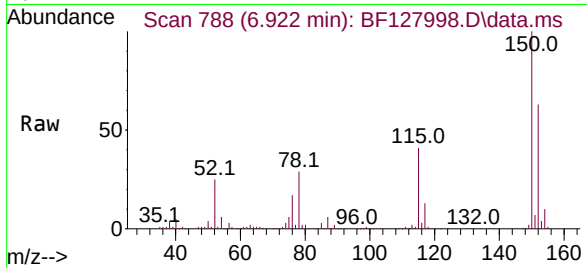




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

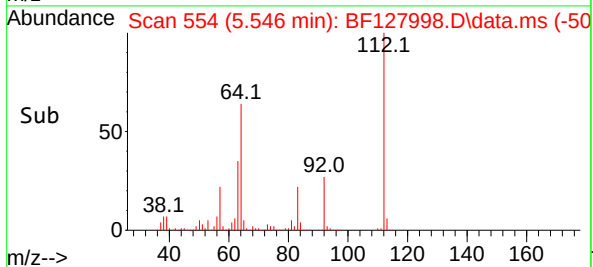
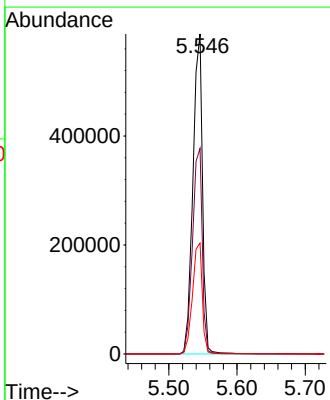
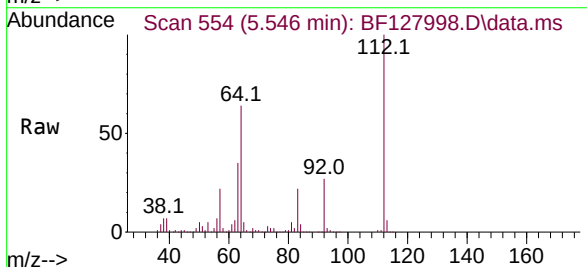
Instrument :
BNA_F
ClientSampleId :
MH-18D

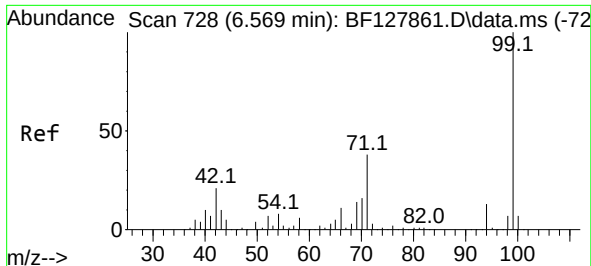
Tgt Ion:152 Resp: 105373
Ion Ratio Lower Upper
152 100
150 159.2 125.3 187.9
115 65.9 48.8 73.2



#5
2-Fluorophenol
Concen: 86.455 ng
RT: 5.546 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

Tgt Ion:112 Resp: 571957
Ion Ratio Lower Upper
112 100
64 64.2 49.5 74.3
63 34.6 26.3 39.5

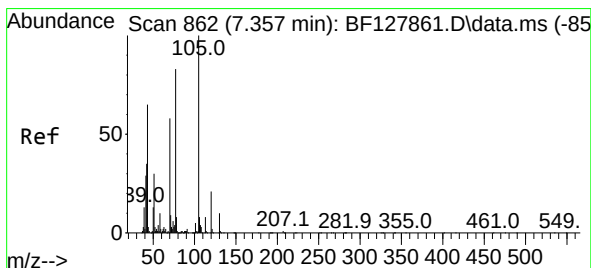
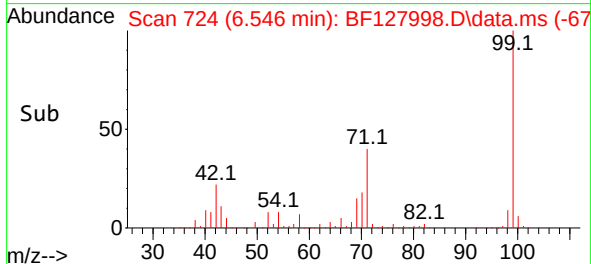
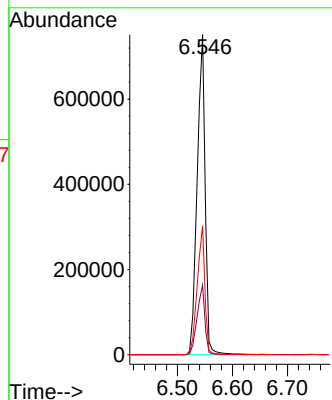
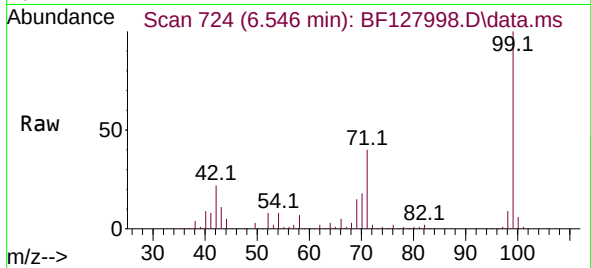




#7
Phenol-d6
Concen: 88.466 ng
RT: 6.546 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

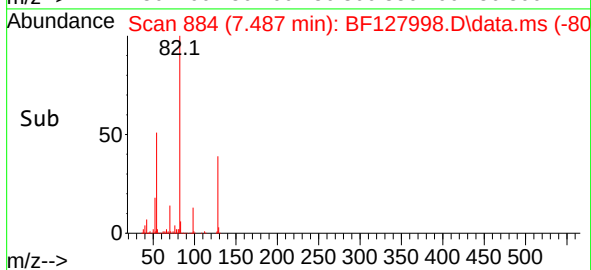
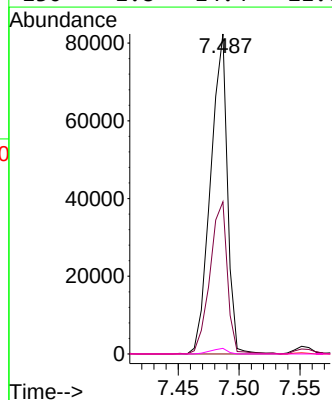
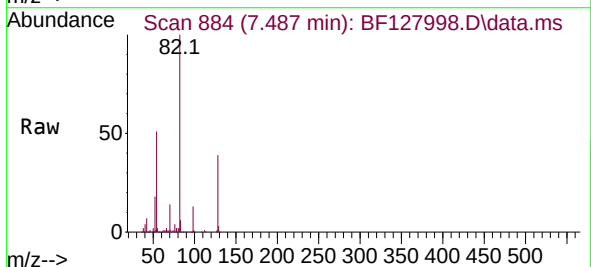
Instrument :
BNA_F
ClientSampleId :
MH-18D

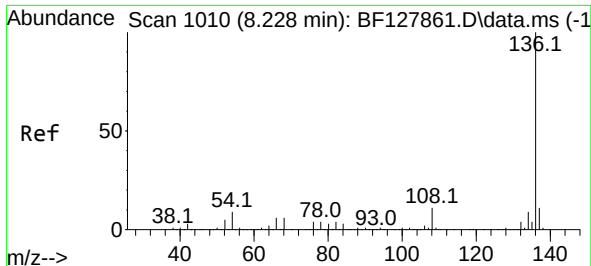
Tgt Ion: 99 Resp: 759413
Ion Ratio Lower Upper
99 100
42 21.7 16.6 24.8
71 40.3 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.025 ng
RT: 7.487 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

Tgt Ion: 70 Resp: 78952
Ion Ratio Lower Upper
70 100
42 47.6 48.7 73.1#
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#

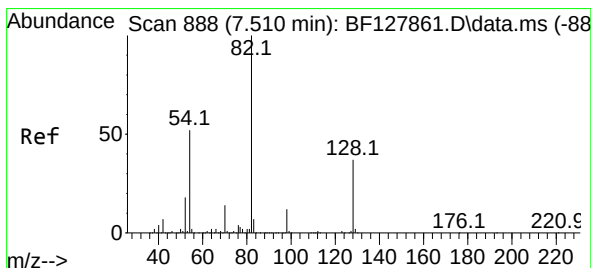
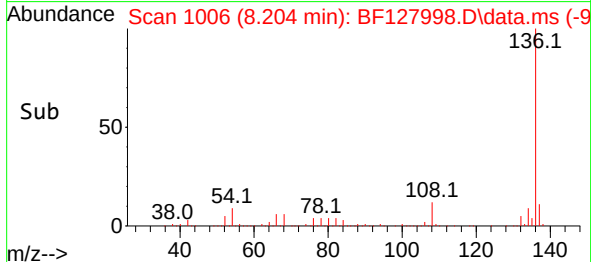
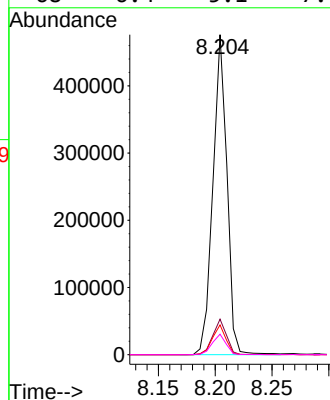
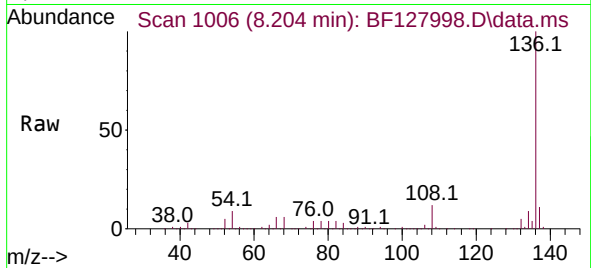




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.012 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

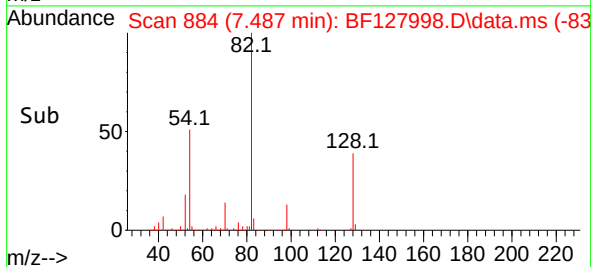
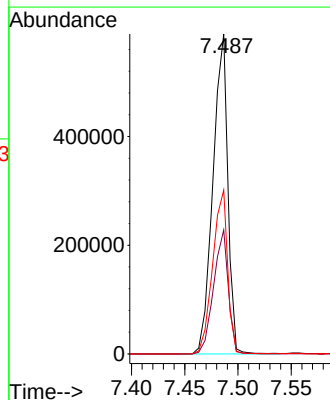
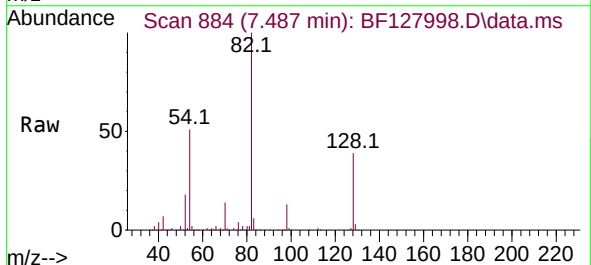
Instrument :
BNA_F
ClientSampleId :
MH-18D

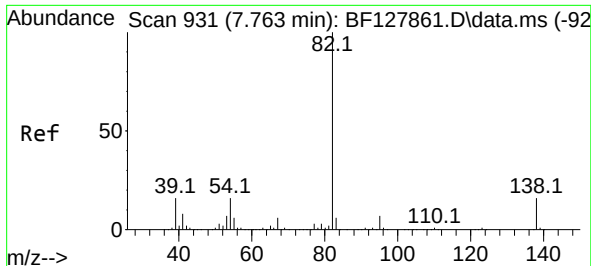
Tgt Ion:	136	Resp:	408622
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.3	6.8	10.2
68	6.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 65.664 ng
RT: 7.487 min Scan# 884
Delta R.T. -0.017 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

Tgt Ion:	82	Resp:	570594
Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.0	45.0
54	51.2	41.3	61.9

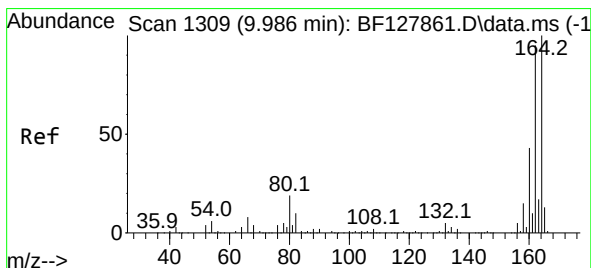
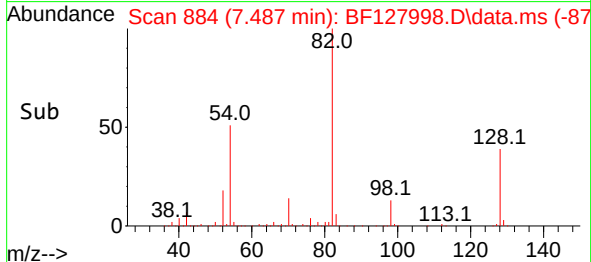
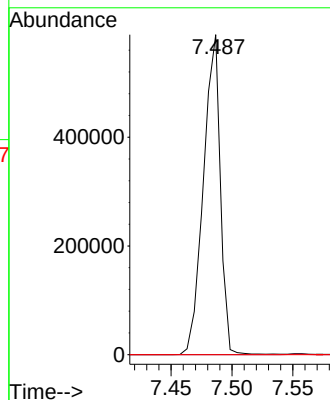
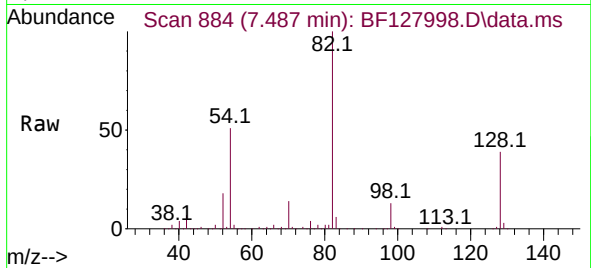




#25
Isophorone
Concen: 38.867 ng
RT: 7.487 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

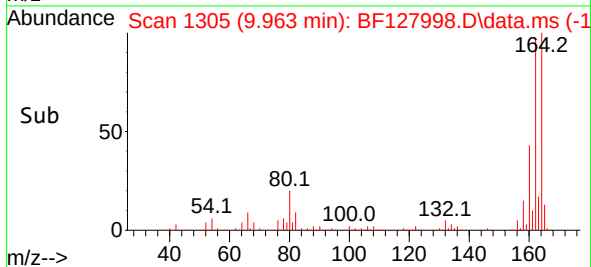
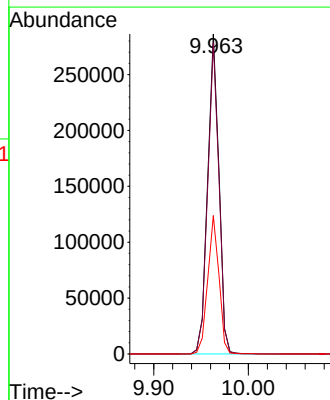
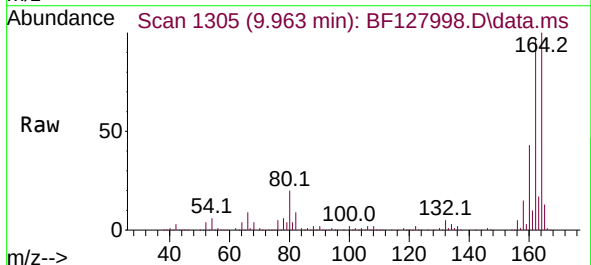
Instrument :
BNA_F
ClientSampleId :
MH-18D

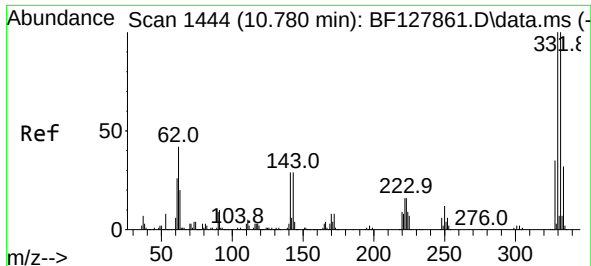
Tgt Ion: 82 Resp: 568441
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

Tgt Ion:164 Resp: 236662
Ion Ratio Lower Upper
164 100
162 97.3 76.0 114.0
160 43.3 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 94.430 ng

RT: 10.757 min Scan# 1440

Delta R.T. -0.012 min

Lab File: BF127998.D

Acq: 29 Apr 2022 16:48

Instrument :

BNA_F

ClientSampleId :

MH-18D

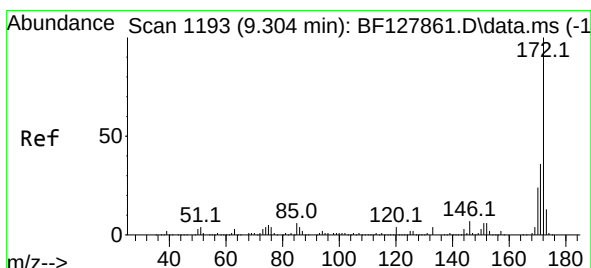
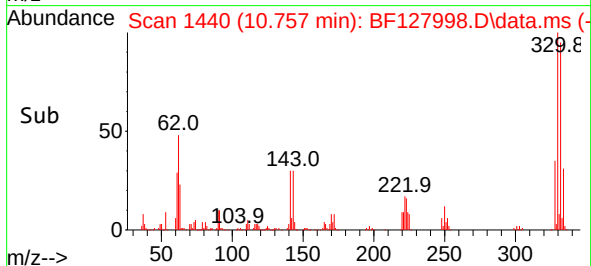
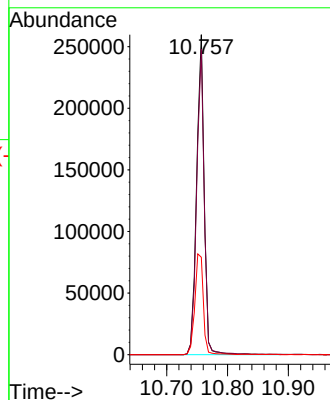
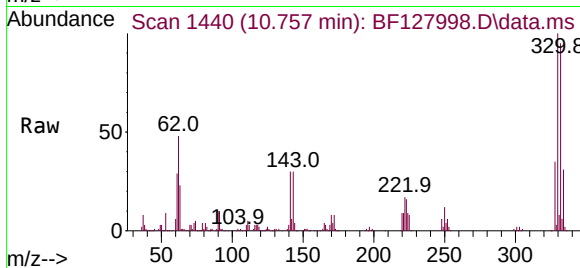
Tgt Ion:330 Resp: 224971

Ion Ratio Lower Upper

330 100

332 95.7 79.0 118.4

141 35.3 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 67.093 ng

RT: 9.281 min Scan# 1189

Delta R.T. -0.012 min

Lab File: BF127998.D

Acq: 29 Apr 2022 16:48

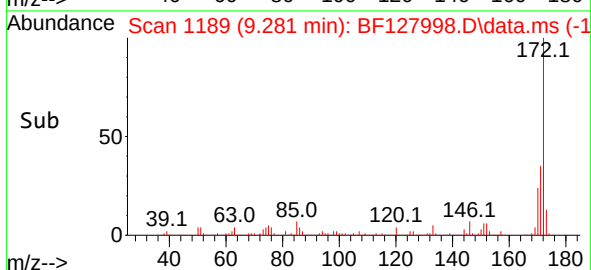
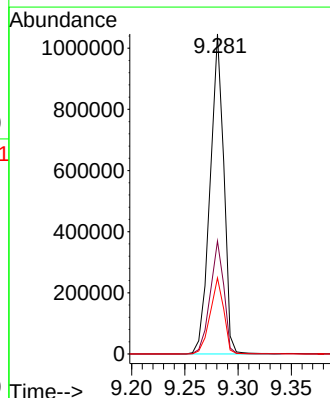
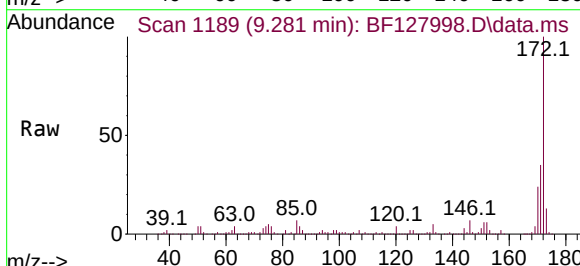
Tgt Ion:172 Resp: 938586

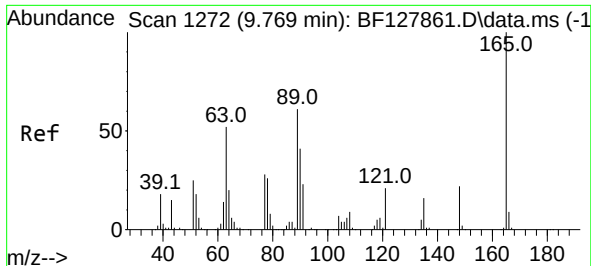
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.7 19.1 28.7

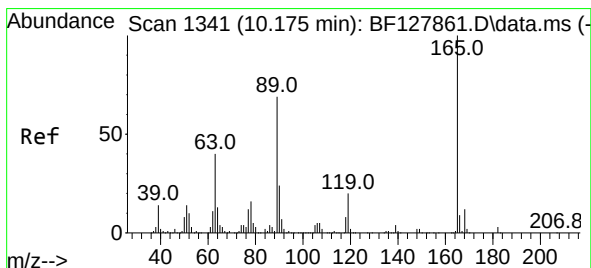
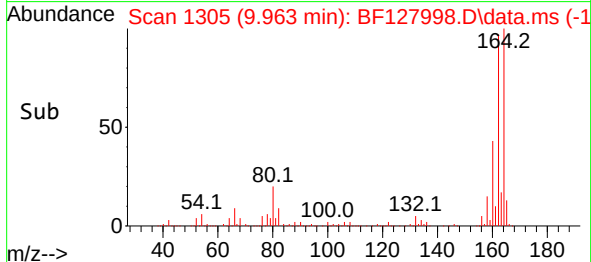
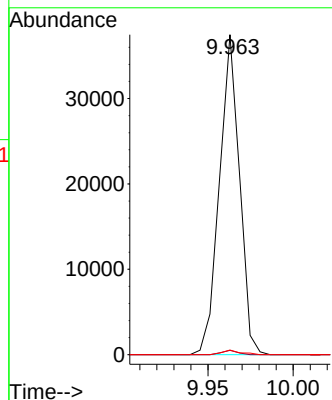
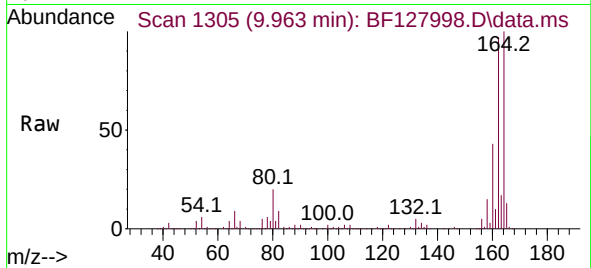




#51
2,6-Dinitrotoluene
Concen: 8.939 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

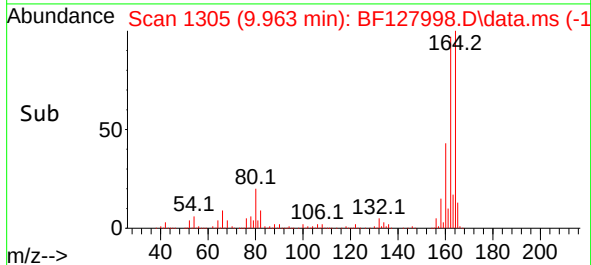
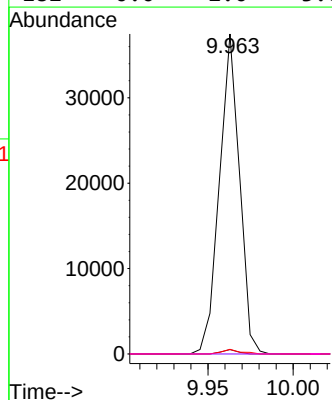
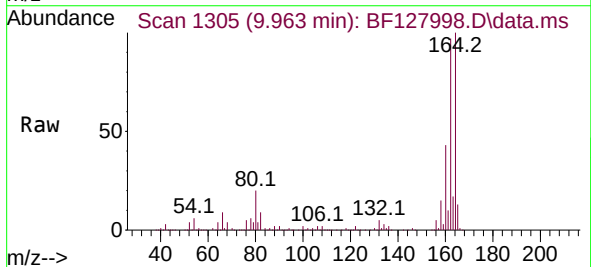
Instrument :
BNA_F
ClientSampleId :
MH-18D

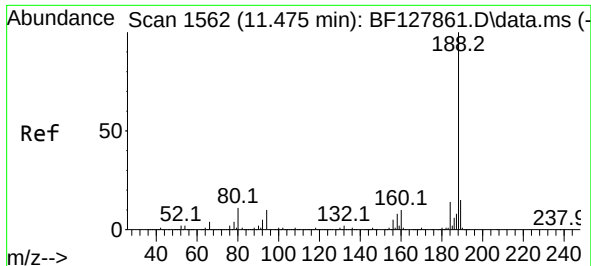
Tgt Ion:165 Resp: 30718
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.4 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.748 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.200 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

Tgt Ion:165 Resp: 30718
Ion Ratio Lower Upper
165 100
63 1.3 32.6 49.0#
89 1.4 55.2 82.8#
182 0.0 2.0 3.0#

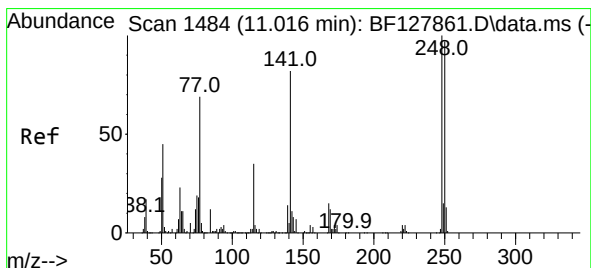
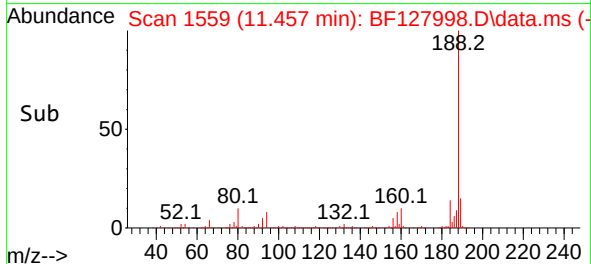
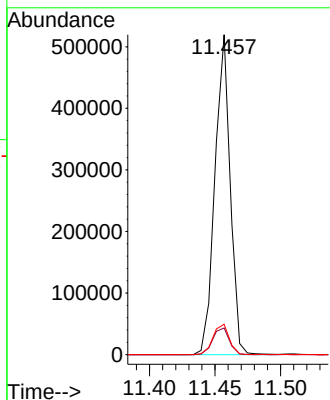
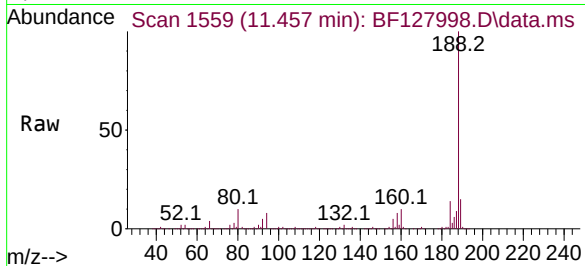




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

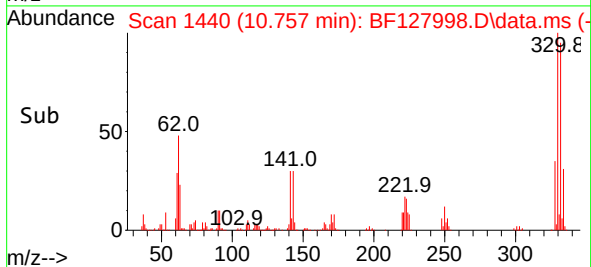
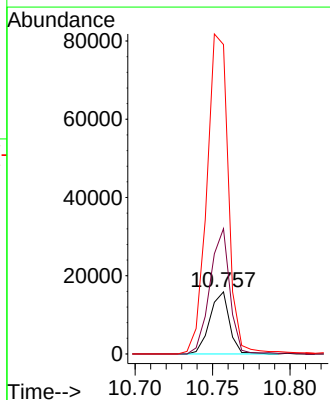
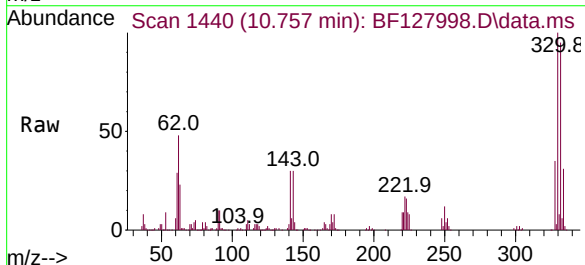
Instrument :
BNA_F
ClientSampleId :
MH-18D

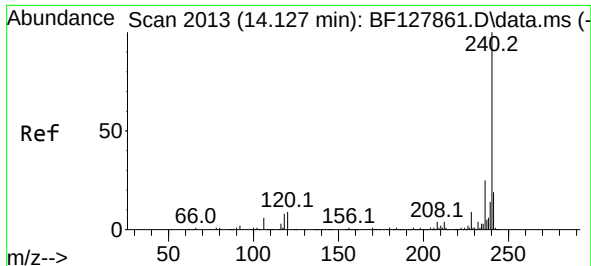
Tgt Ion:188 Resp: 421153
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 9.5 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 2.989 ng
RT: 10.757 min Scan# 1440
Delta R.T. -0.253 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

Tgt Ion:248 Resp: 13956
Ion Ratio Lower Upper
248 100
250 202.1 77.7 116.5#
141 498.8 65.6 98.4#

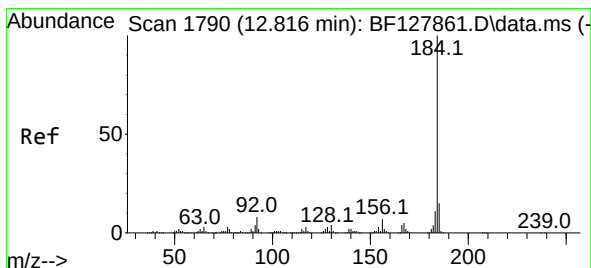
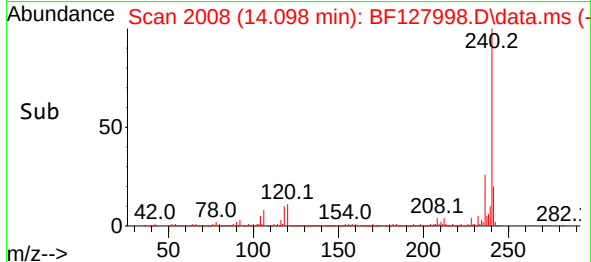
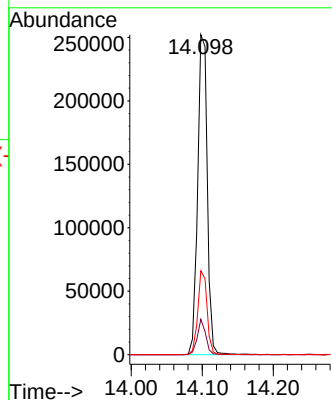
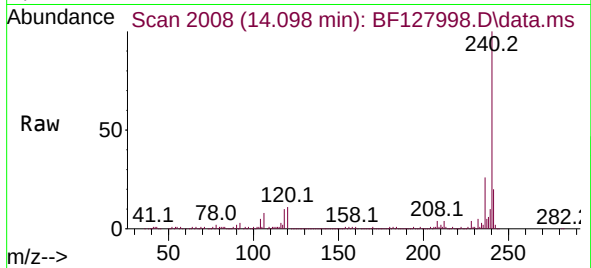




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2013
Delta R.T. -0.017 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

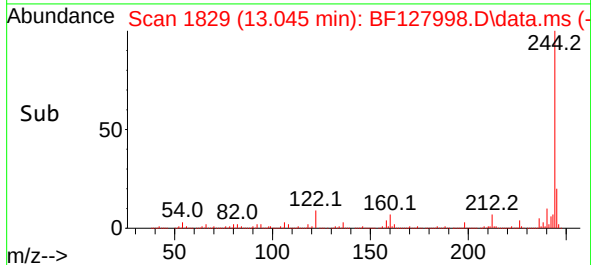
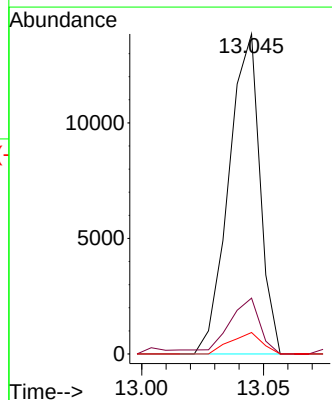
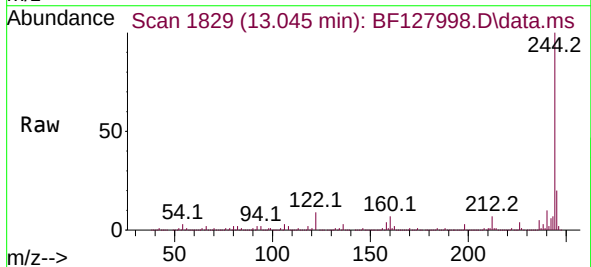
Instrument :
BNA_F
ClientSampleId :
MH-18D

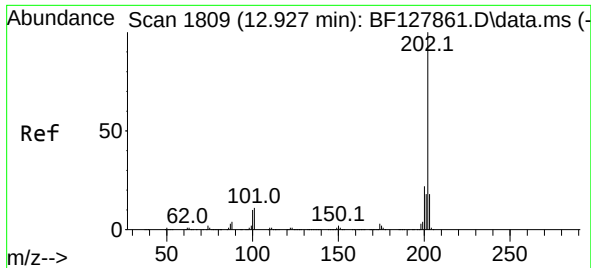
Tgt Ion:240 Resp: 238578
Ion Ratio Lower Upper
240 100
120 11.0 7.0 10.6#
236 26.2 20.3 30.5



#77
Benzidine
Concen: 2.725 ng
RT: 13.045 min Scan# 1829
Delta R.T. 0.241 min
Lab File: BF127998.D
Acq: 29 Apr 2022 16:48

Tgt Ion:184 Resp: 12302
Ion Ratio Lower Upper
184 100
185 17.5 12.1 18.1
183 6.7 9.0 13.4#

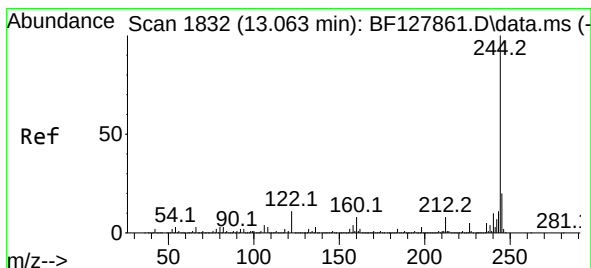
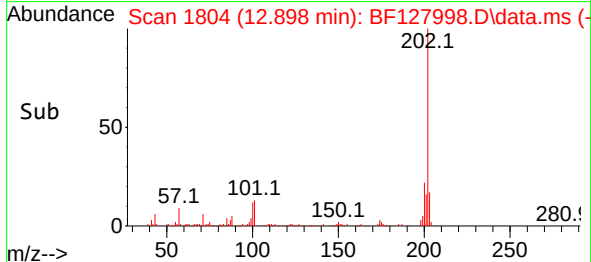
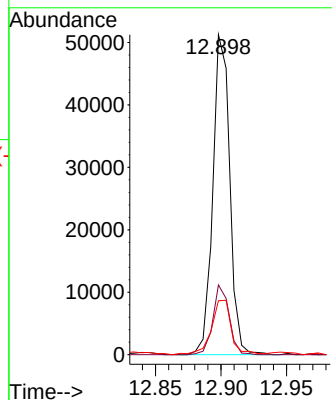
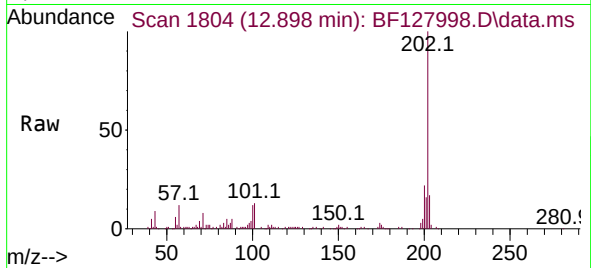




#78
 Pyrene
 Concen: 2.389 ng
 RT: 12.898 min Scan# 1804
 Delta R.T. -0.017 min
 Lab File: BF127998.D
 Acq: 29 Apr 2022 16:48

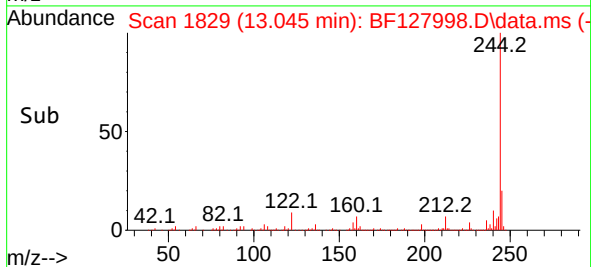
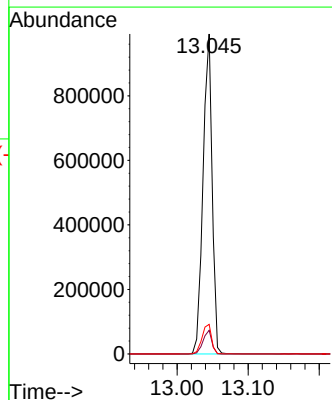
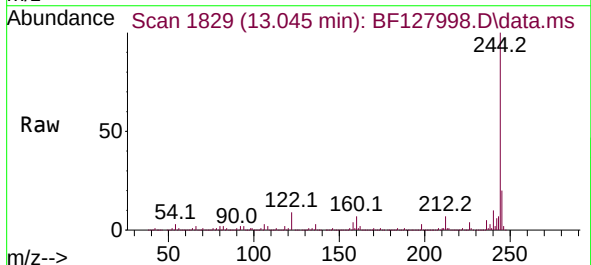
Instrument :
 BNA_F
 ClientSampleId :
 MH-18D

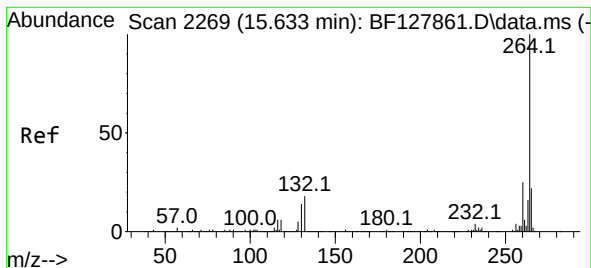
Tgt Ion:202 Resp: 46001
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.4 26.2
 203 16.8 14.0 21.0



#79
 Terphenyl-d14
 Concen: 67.944 ng
 RT: 13.045 min Scan# 1829
 Delta R.T. -0.012 min
 Lab File: BF127998.D
 Acq: 29 Apr 2022 16:48

Tgt Ion:244 Resp: 886492
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 9.2 8.6 12.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 2188

Delta R.T. -0.012 min

Lab File: BF127998.D

Acq: 29 Apr 2022 16:48

Instrument :

BNA_F

ClientSampleId :

MH-18D

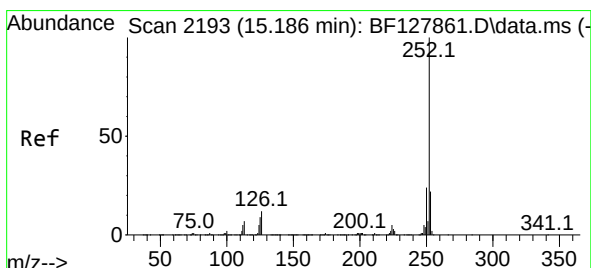
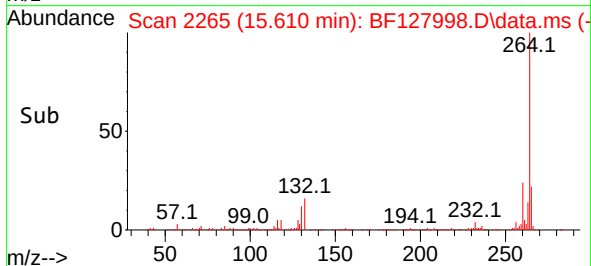
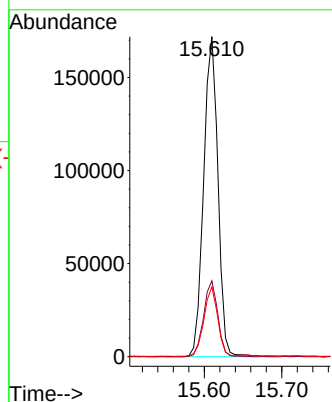
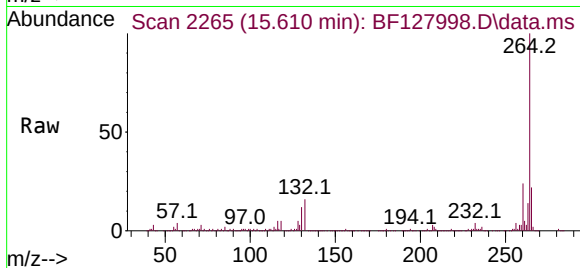
Tgt Ion:264 Resp: 220101

Ion Ratio Lower Upper

264 100

260 23.7 20.1 30.1

265 21.8 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.205 ng

RT: 15.157 min Scan# 2188

Delta R.T. -0.018 min

Lab File: BF127998.D

Acq: 29 Apr 2022 16:48

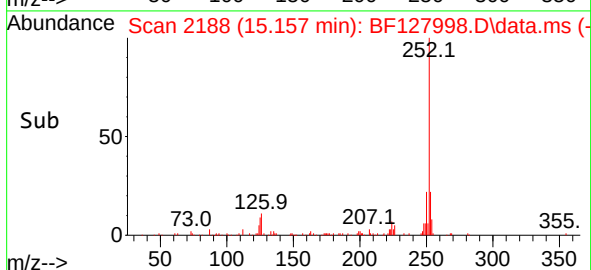
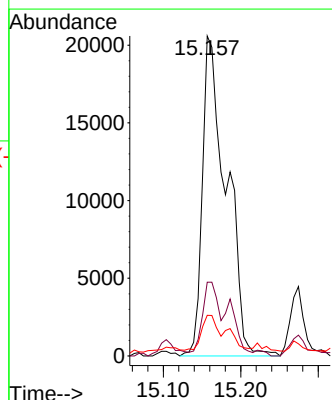
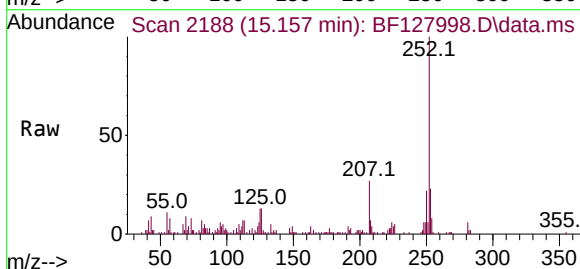
Tgt Ion:252 Resp: 44310

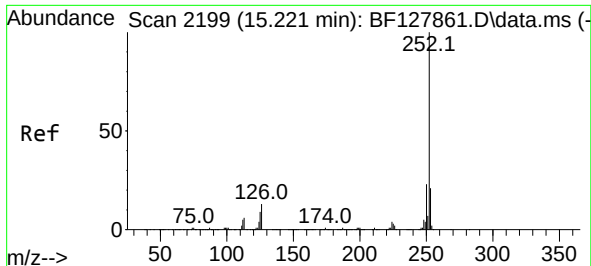
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 12.7 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.181 ng

RT: 15.157 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF127998.D

Acq: 29 Apr 2022 16:48

Instrument :

BNA_F

ClientSampleId :

MH-18D

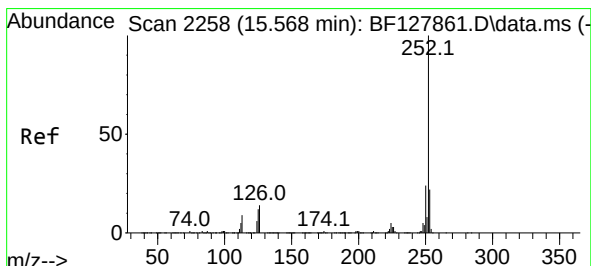
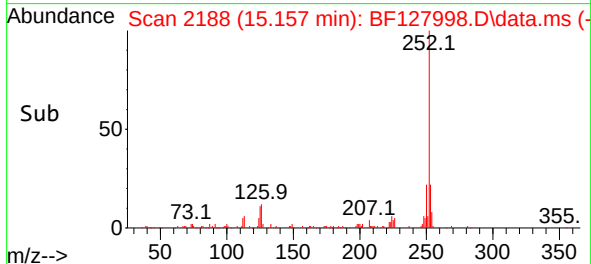
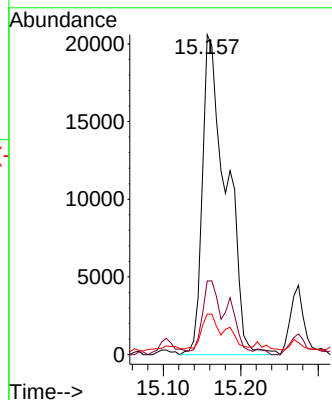
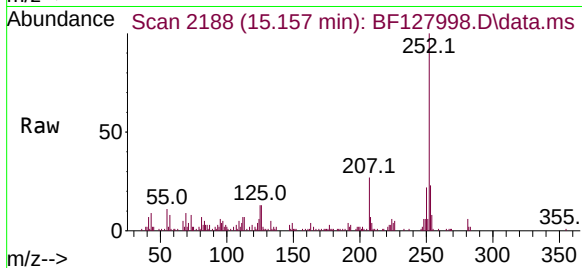
Tgt Ion:252 Resp: 44310

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

125 12.7 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 2.106 ng

RT: 15.539 min Scan# 2253

Delta R.T. -0.017 min

Lab File: BF127998.D

Acq: 29 Apr 2022 16:48

Tgt Ion:252 Resp: 24152

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 11.8 9.2 13.8

