

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
 Data File : BF128058.D
 Acq On : 03 May 2022 21:06
 Operator : CG\JU
 Sample : N2659-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L097-A

Quant Time: May 04 04:28:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 04:23:29 2022
 Response via : Initial Calibration

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

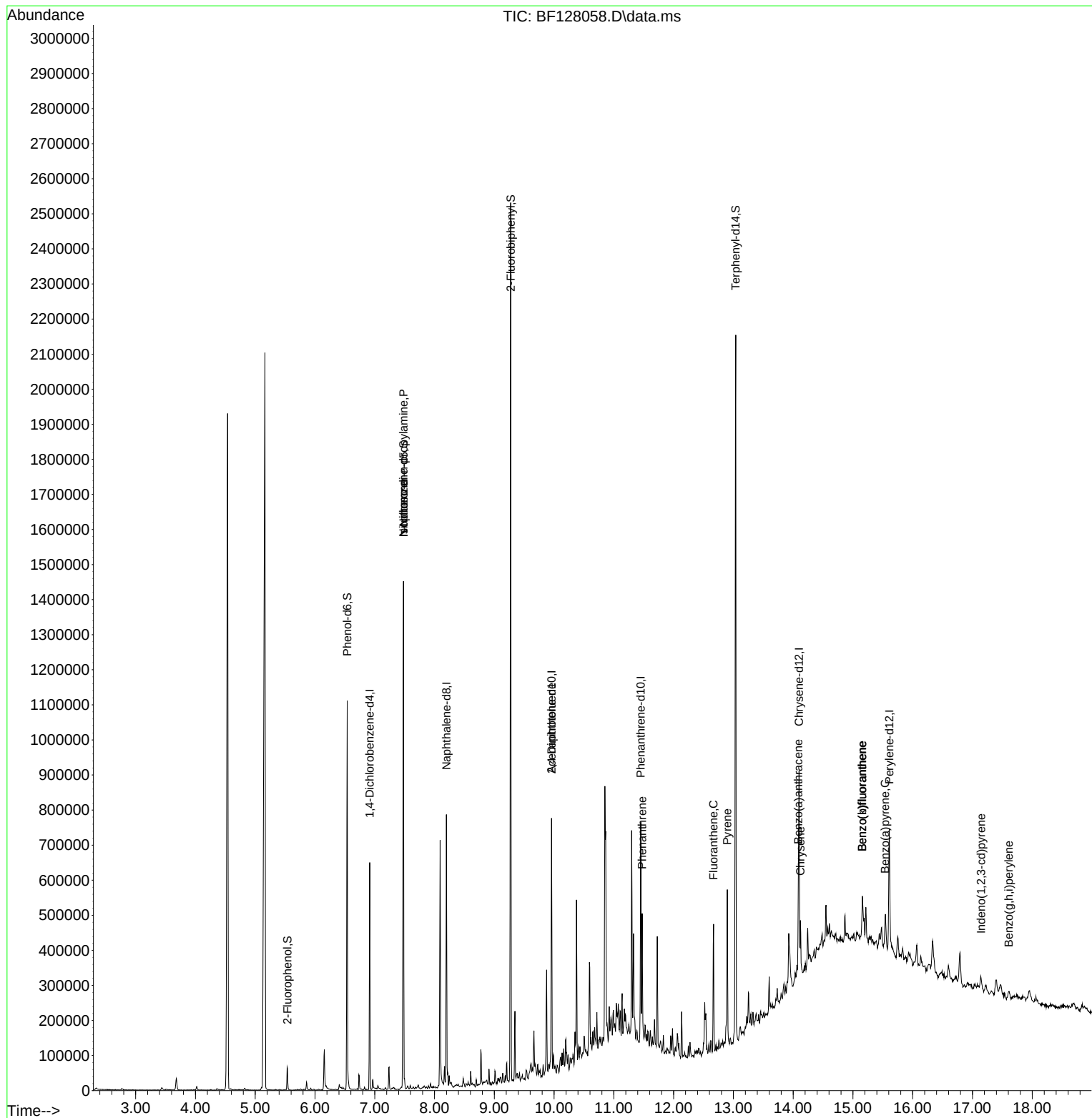
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	78201	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	280653	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	130421	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	206784	20.000	ng	0.00
76) Chrysene-d12	14.098	240	171909	20.000	ng	0.00
86) Perylene-d12	15.609	264	130170	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	17223	3.508	ng	0.00
7) Phenol-d6	6.539	99	312545	49.060	ng	-0.01
23) Nitrobenzene-d5	7.481	82	441017	73.894	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	345	0.263	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	680979	88.332	ng	0.00
79) Terphenyl-d14	13.039	244	677280	72.041	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	63046	16.167	ng	# 78
25) Isophorone	7.481	82	441017	43.904	ng	# 68
57) 2,4-Dinitrotoluene	9.957	165	18116	7.222	ng	# 26
71) Phenanthrene	11.474	178	109452	10.112	ng	98
75) Fluoranthene	12.668	202	137905	12.105	ng	95
78) Pyrene	12.898	202	143459	10.338	ng	98
81) Benzo(a)anthracene	14.086	228	67635	5.903	ng	99
83) Chrysene	14.121	228	60464	5.525	ng	95
87) Indeno(1,2,3-cd)pyrene	17.145	276	21645	2.491	ng	95
88) Benzo(b)fluoranthene	15.157	252	77880	9.526	ng	# 87
89) Benzo(k)fluoranthene	15.157	252	77880	9.455	ng	# 85
90) Benzo(a)pyrene	15.539	252	39190	5.779	ng	# 89
92) Benzo(g,h,i)perylene	17.609	276	19579	2.666	ng	# 93

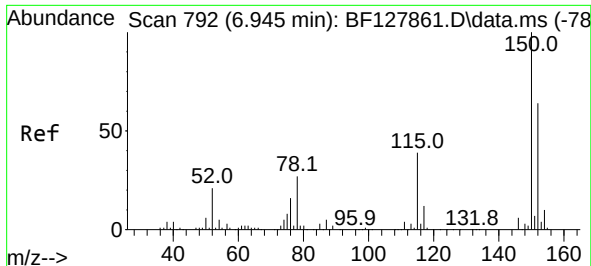
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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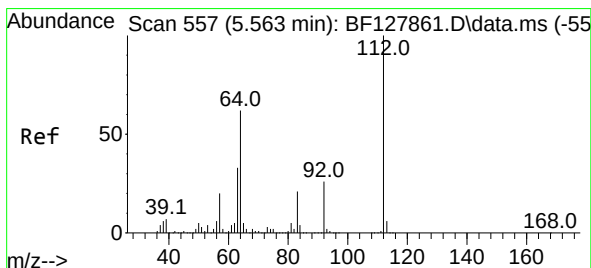
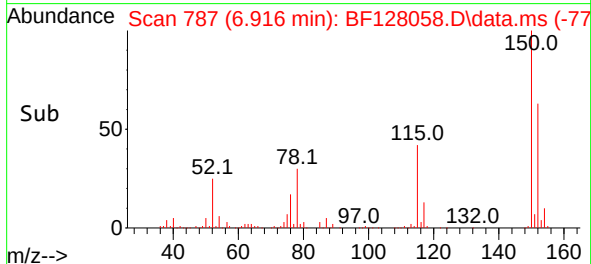
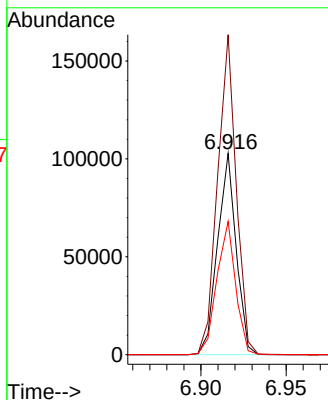
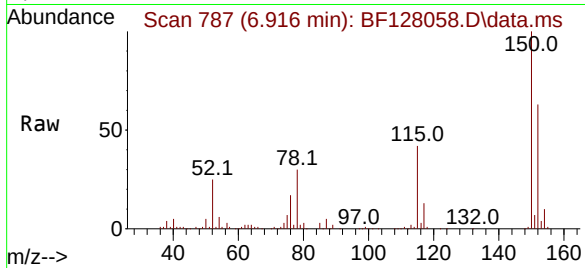




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.916 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF128058.D
 Acq: 03 May 2022 21:06

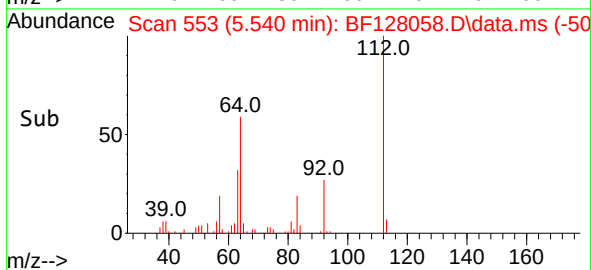
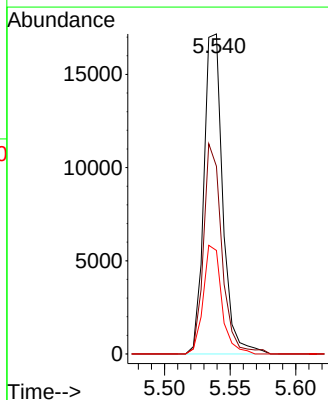
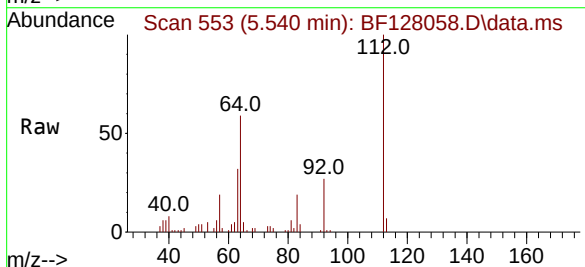
Instrument :
 BNA_F
 ClientSampleId :
 22L097-A

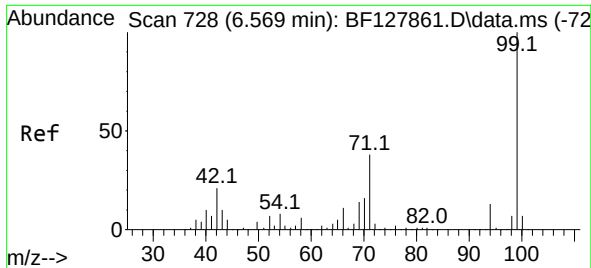
Tgt Ion:152 Resp: 78201
 Ion Ratio Lower Upper
 152 100
 150 159.0 125.3 187.9
 115 66.3 48.8 73.2



#5
 2-Fluorophenol
 Concen: 3.508 ng
 RT: 5.540 min Scan# 553
 Delta R.T. -0.000 min
 Lab File: BF128058.D
 Acq: 03 May 2022 21:06

Tgt Ion:112 Resp: 17223
 Ion Ratio Lower Upper
 112 100
 64 58.6 49.5 74.3
 63 32.3 26.3 39.5

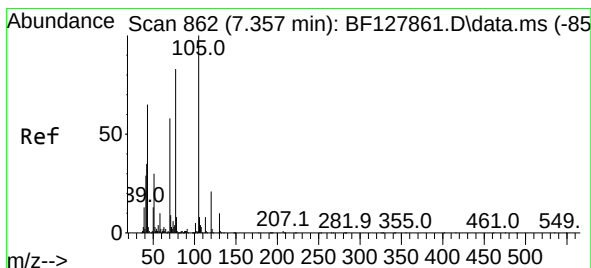
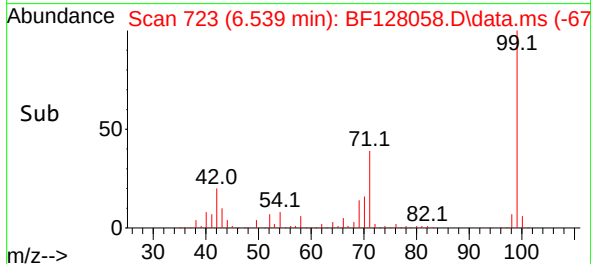
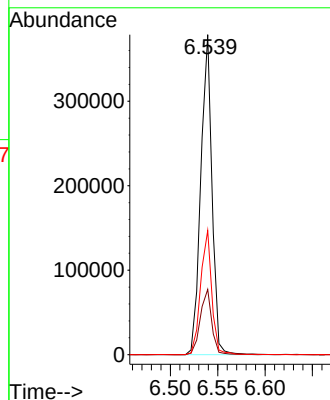
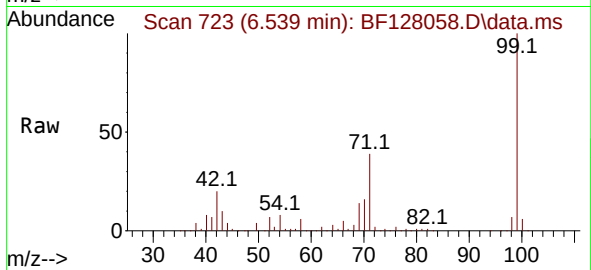




#7
Phenol-d6
Concen: 49.060 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

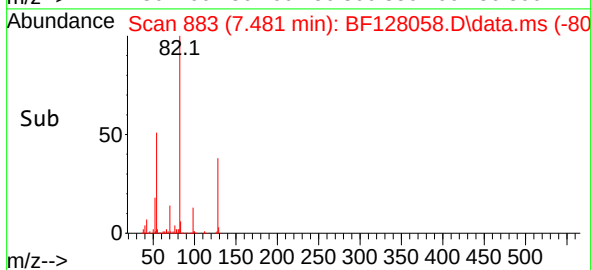
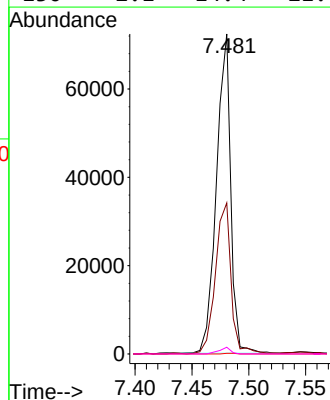
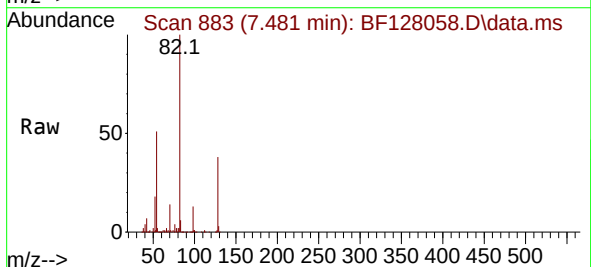
Instrument :
BNA_F
ClientSampleId :
22L097-A

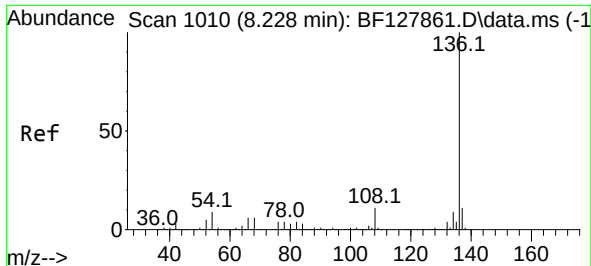
Tgt Ion: 99 Resp: 312545
Ion Ratio Lower Upper
99 100
42 20.4 16.6 24.8
71 38.8 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.167 ng
RT: 7.481 min Scan# 883
Delta R.T. 0.147 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

Tgt Ion: 70 Resp: 63046
Ion Ratio Lower Upper
70 100
42 47.2 48.7 73.1#
101 0.2 7.2 10.8#
130 2.1 14.4 21.6#

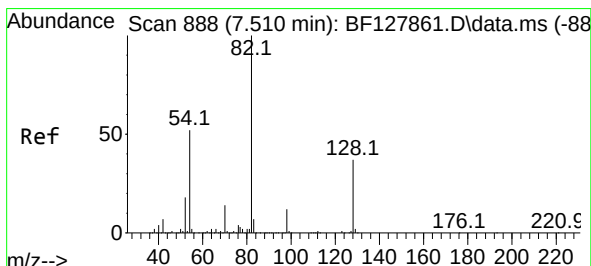
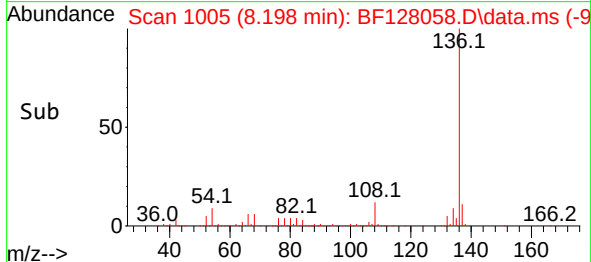
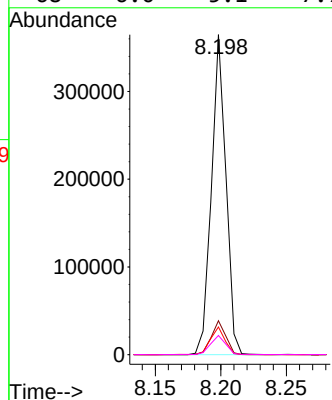
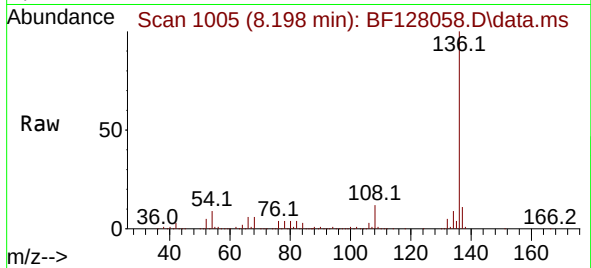




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

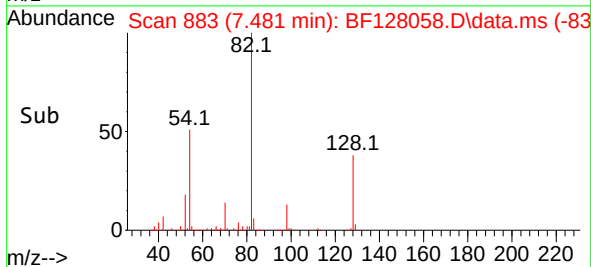
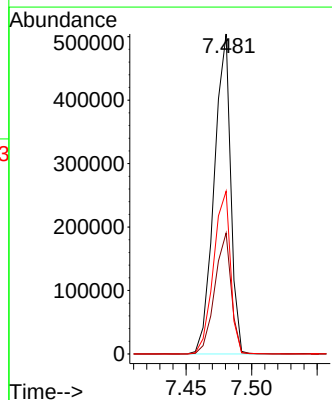
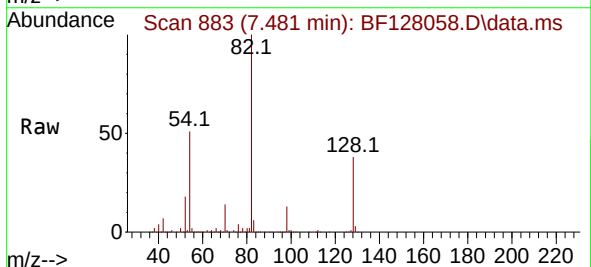
Instrument :
BNA_F
ClientSampleId :
22L097-A

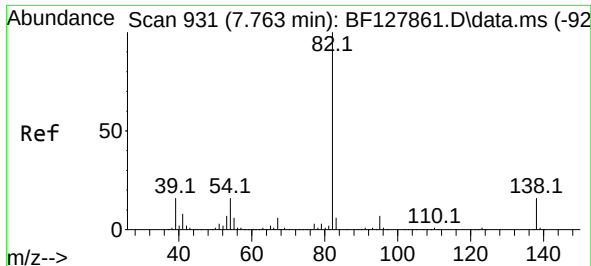
Tgt Ion:	136	Resp:	280653
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.7	6.8	10.2
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 73.894 ng
RT: 7.481 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

Tgt Ion:	82	Resp:	441017
Ion	Ratio	Lower	Upper
82	100		
128	37.8	30.0	45.0
54	50.8	41.3	61.9

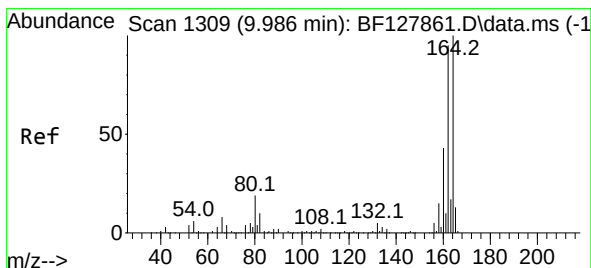
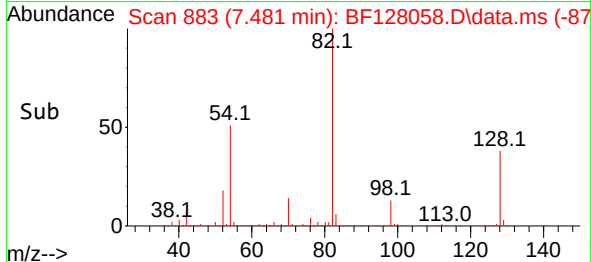
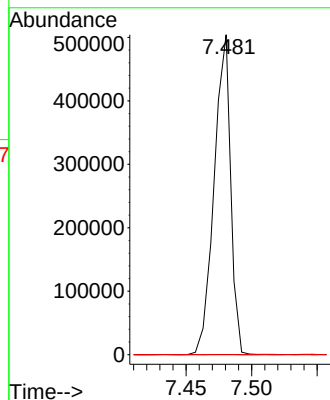
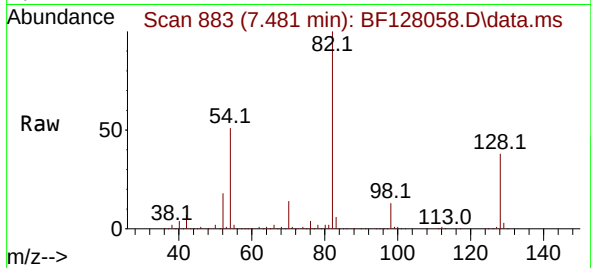




#25
Isophorone
Concen: 43.904 ng
RT: 7.481 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

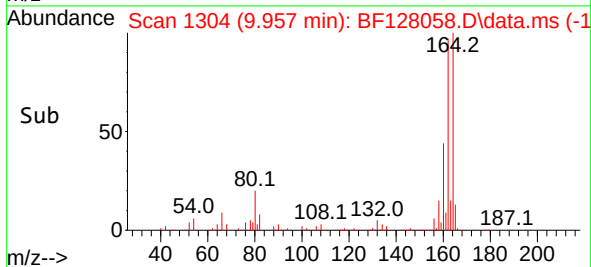
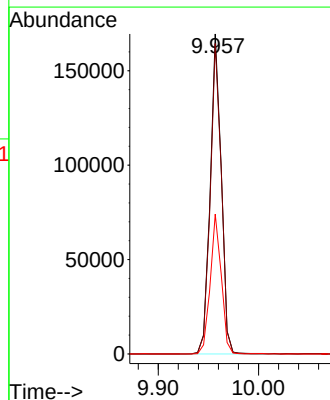
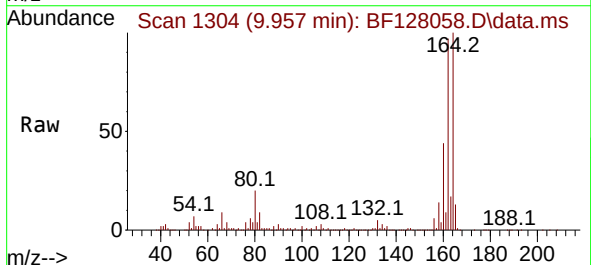
Instrument :
BNA_F
ClientSampleId :
22L097-A

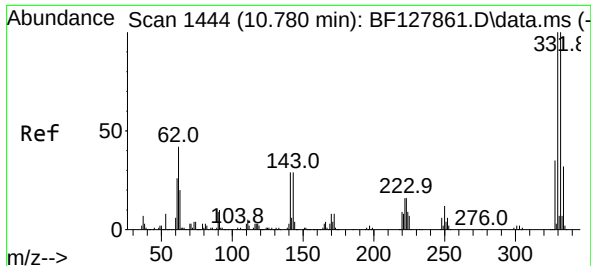
Tgt Ion: 82 Resp: 441017
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

Tgt Ion:164 Resp: 130421
Ion Ratio Lower Upper
164 100
162 97.0 76.0 114.0
160 43.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 0.263 ng

RT: 10.751 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF128058.D

Acq: 03 May 2022 21:06

Instrument :

BNA_F

ClientSampleId :

22L097-A

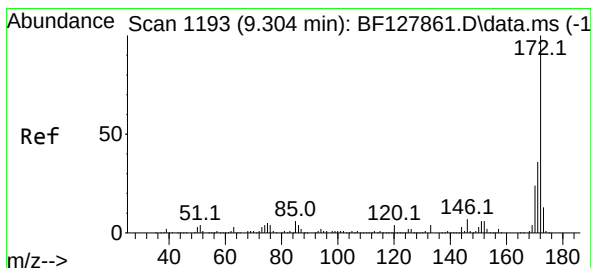
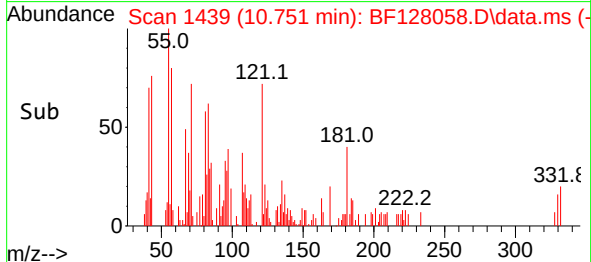
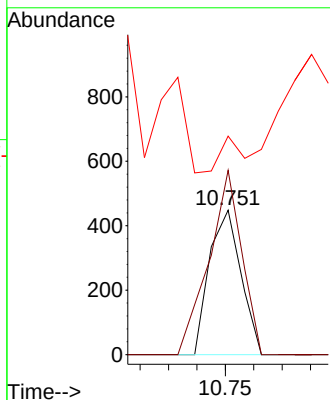
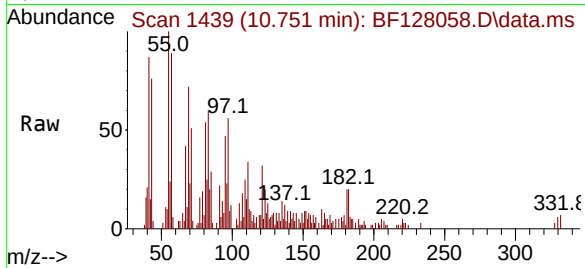
Tgt Ion:330 Resp: 345

Ion Ratio Lower Upper

330 100

332 133.0 79.0 118.4#

141 0.0 28.9 43.3#



#45

2-Fluorobiphenyl

Concen: 88.332 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF128058.D

Acq: 03 May 2022 21:06

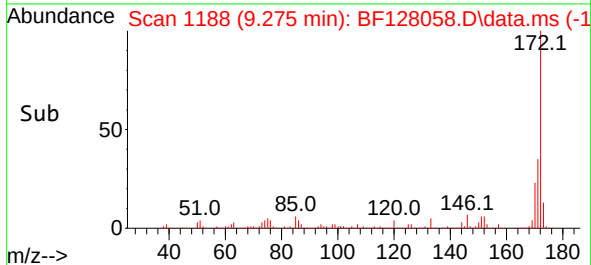
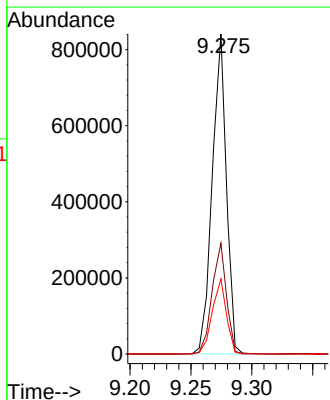
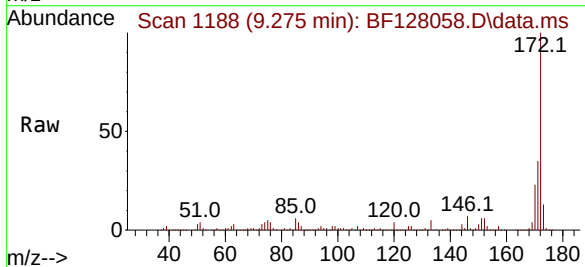
Tgt Ion:172 Resp: 680979

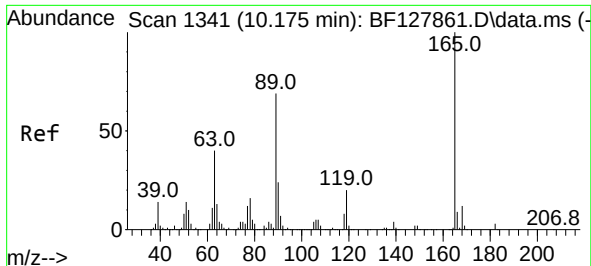
Ion Ratio Lower Upper

172 100

171 34.6 28.6 42.8

170 23.4 19.1 28.7

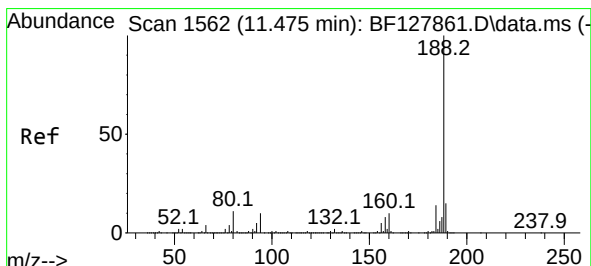
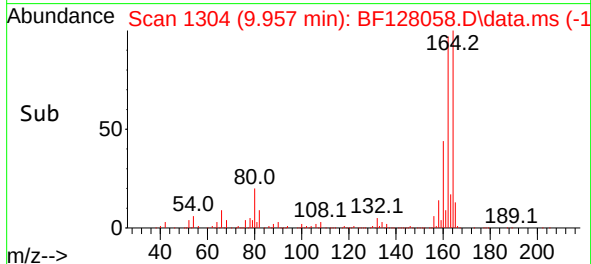
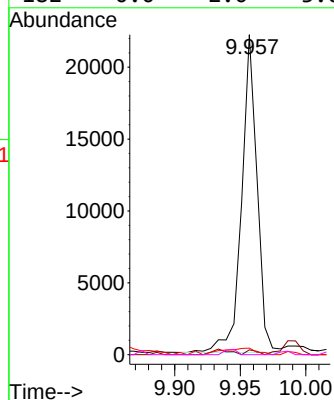
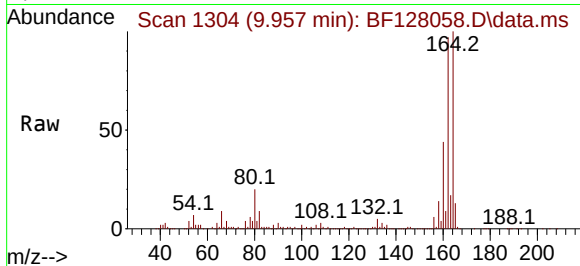




#57
2,4-Dinitrotoluene
Concen: 7.222 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

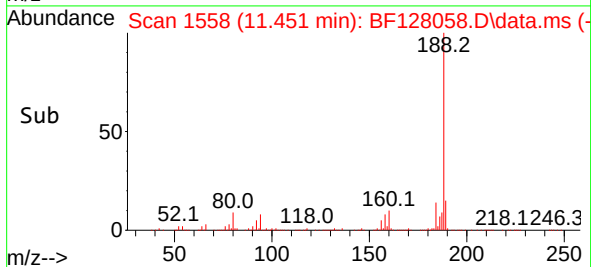
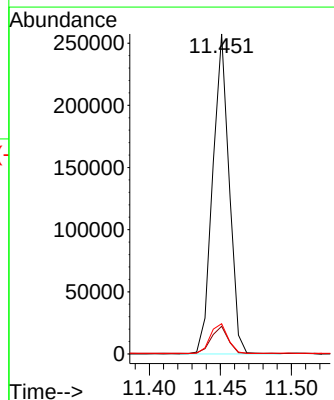
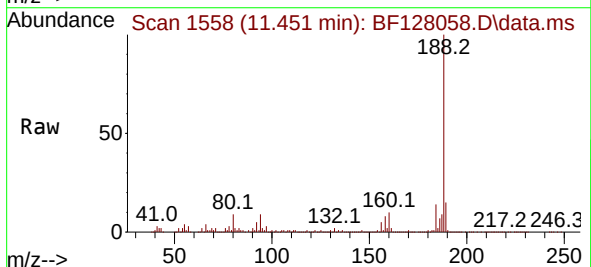
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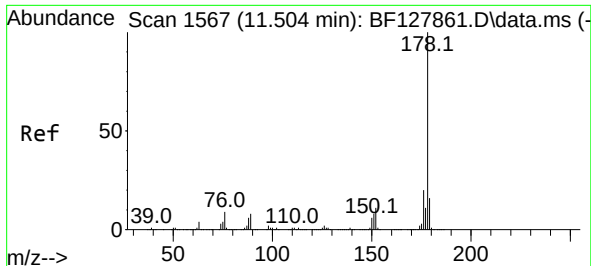
Tgt Ion:165 Resp: 18116
Ion Ratio Lower Upper
165 100
63 1.5 32.6 49.0#
89 2.0 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

Tgt Ion:188 Resp: 206784
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 9.5 8.9 13.3

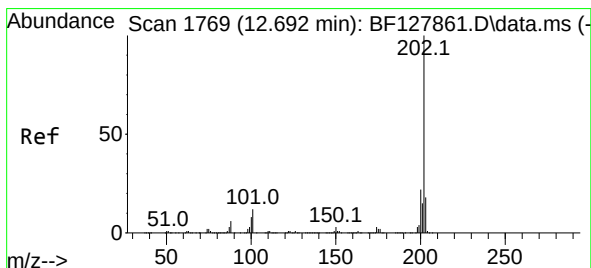
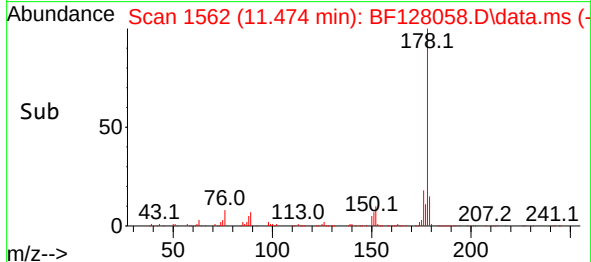
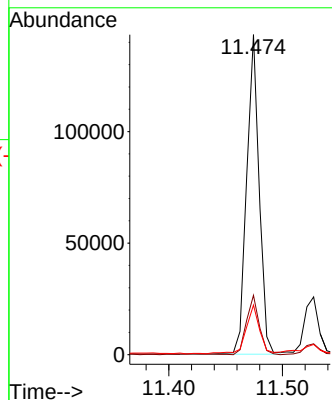
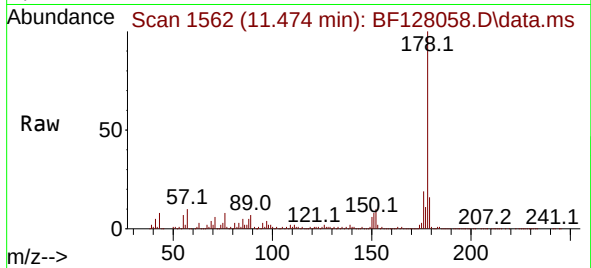




#71
Phenanthrene
Concen: 10.112 ng
RT: 11.474 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

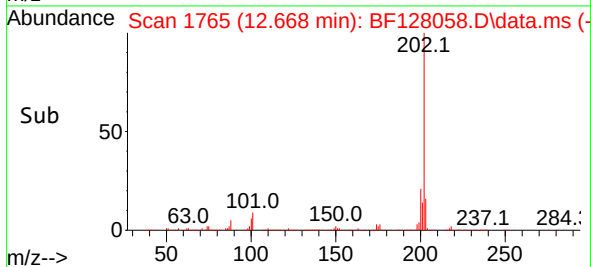
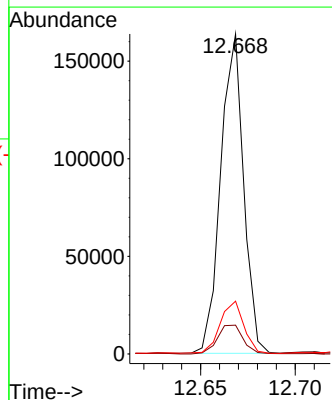
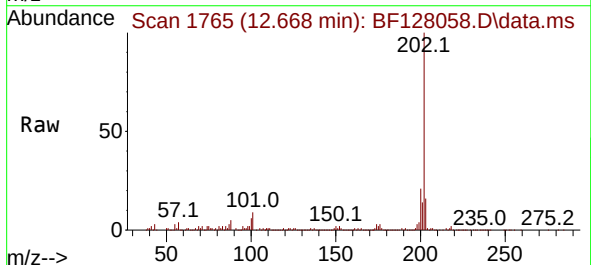
Instrument :
BNA_F
ClientSampleId :
22L097-A

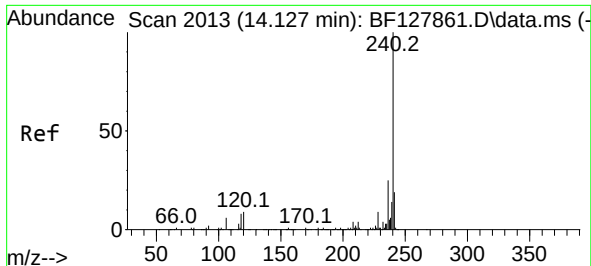
Tgt Ion:178 Resp: 109452
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.5 12.6 19.0



#75
Fluoranthene
Concen: 12.105 ng
RT: 12.668 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

Tgt Ion:202 Resp: 137905
Ion Ratio Lower Upper
202 100
101 9.0 0.0 31.6
203 16.5 0.0 38.1

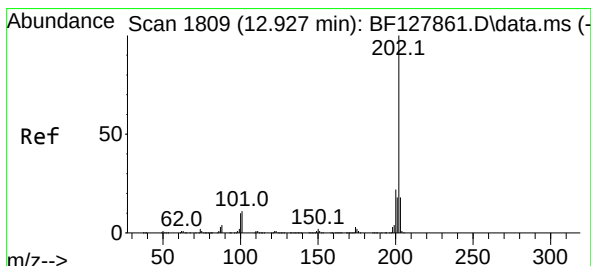
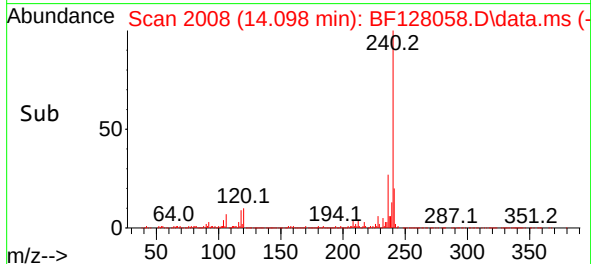
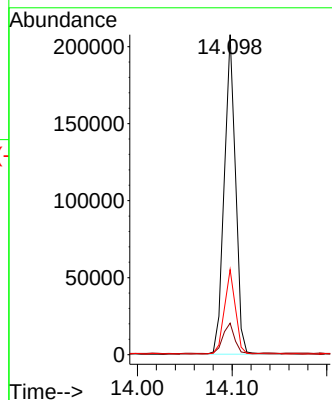
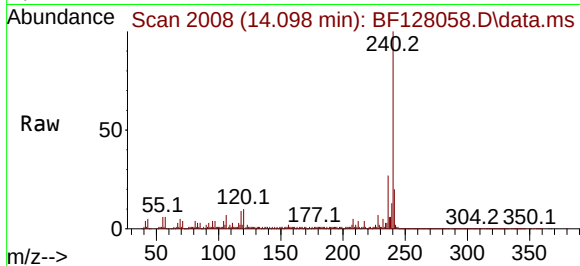




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

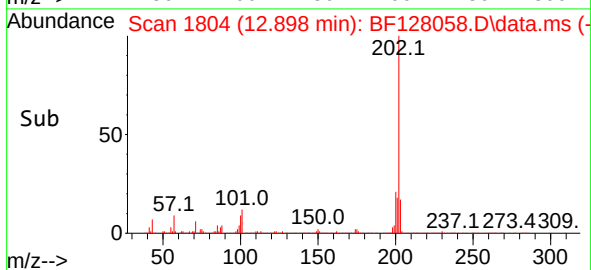
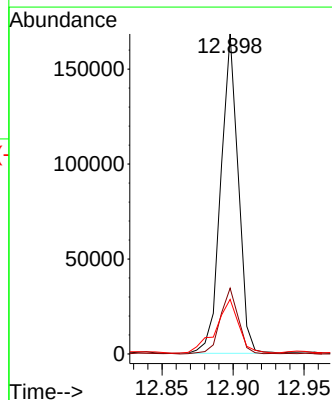
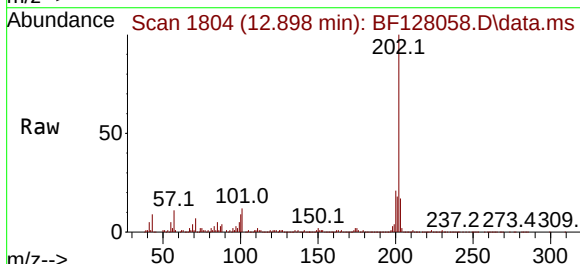
Instrument :
BNA_F
ClientSampleId :
22L097-A

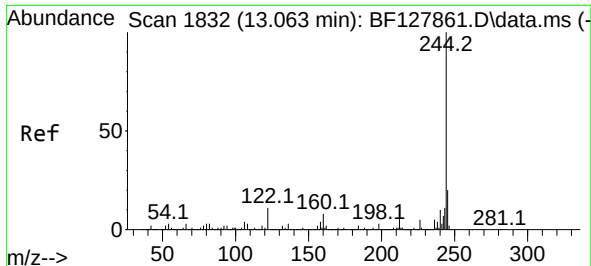
Tgt Ion:240 Resp: 171909
Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.6
236 26.6 20.3 30.5



#78
Pyrene
Concen: 10.338 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

Tgt Ion:202 Resp: 143459
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 17.0 14.0 21.0

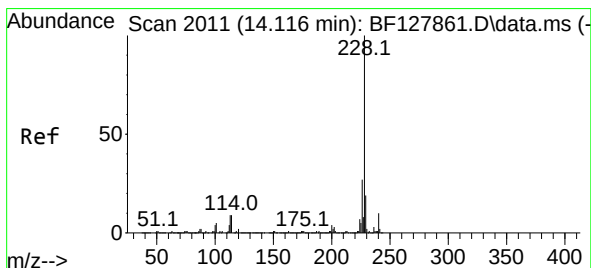
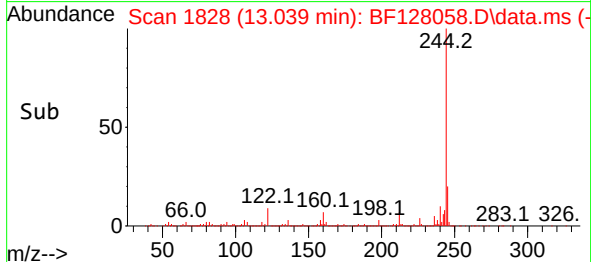
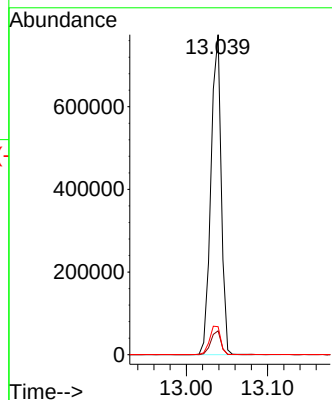
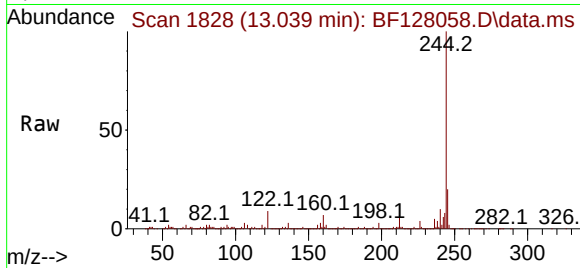




#79
 Terphenyl-d14
 Concen: 72.041 ng
 RT: 13.039 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128058.D
 Acq: 03 May 2022 21:06

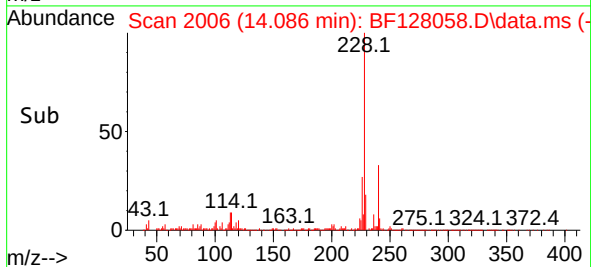
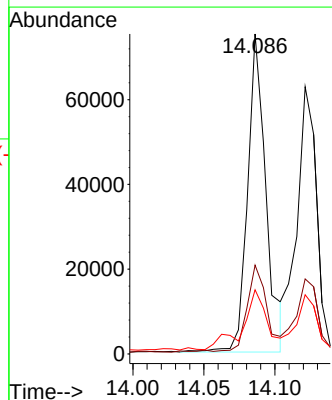
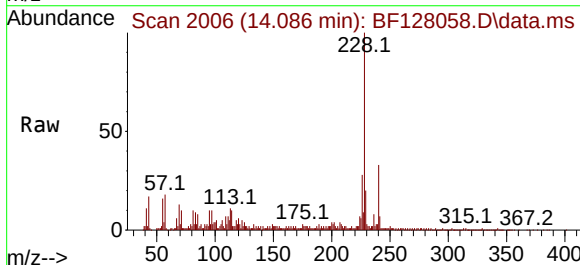
Instrument :
 BNA_F
 ClientSampleId :
 22L097-A

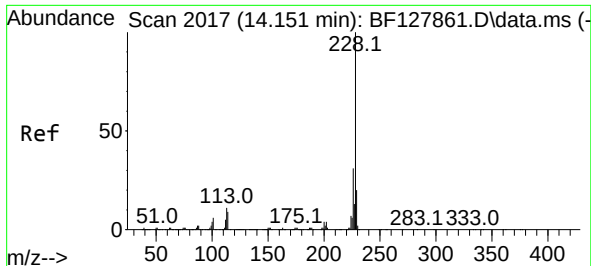
Tgt Ion:244 Resp: 677280
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 8.8 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 5.903 ng
 RT: 14.086 min Scan# 2006
 Delta R.T. -0.006 min
 Lab File: BF128058.D
 Acq: 03 May 2022 21:06

Tgt Ion:228 Resp: 67635
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.7 32.5
 229 20.0 15.4 23.2

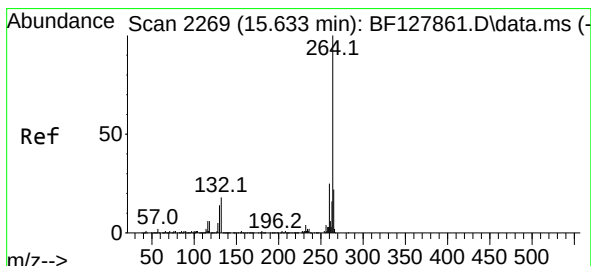
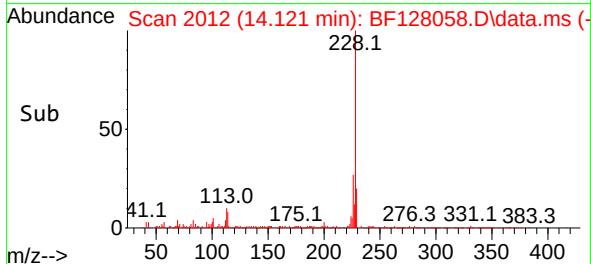
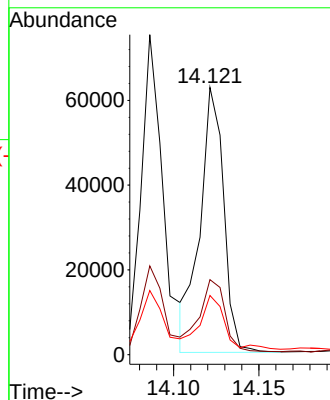
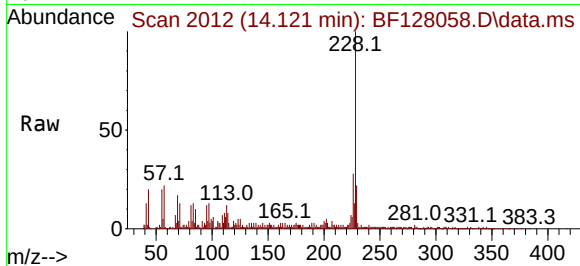




#83
Chrysene
Concen: 5.525 ng
RT: 14.121 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

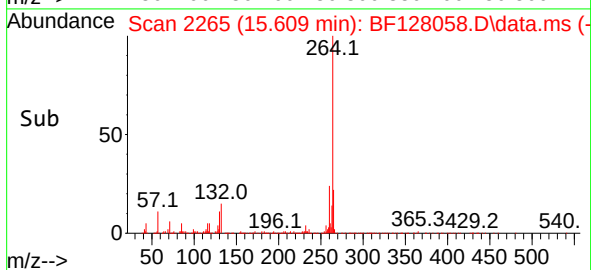
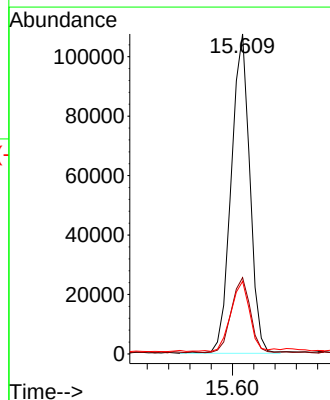
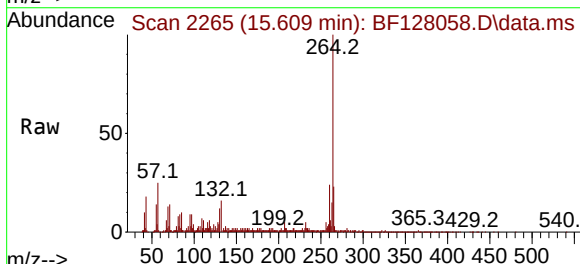
Instrument :
BNA_F
ClientSampleId :
22L097-A

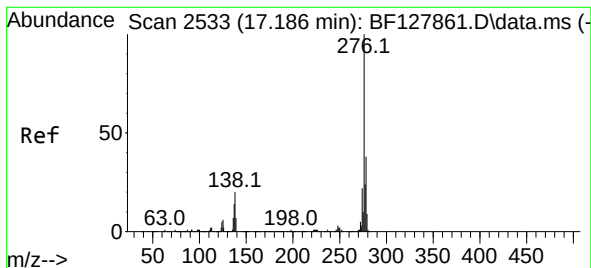
Tgt Ion:	228	Resp:	60464
Ion Ratio	Lower	Upper	
228	100		
226	28.1	24.4	36.6
229	22.2	15.8	23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.609 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

Tgt Ion:	264	Resp:	130170
Ion Ratio	Lower	Upper	
264	100		
260	23.8	20.1	30.1
265	22.7	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.491 ng

RT: 17.145 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF128058.D

Acq: 03 May 2022 21:06

Instrument :

BNA_F

ClientSampleId :

22L097-A

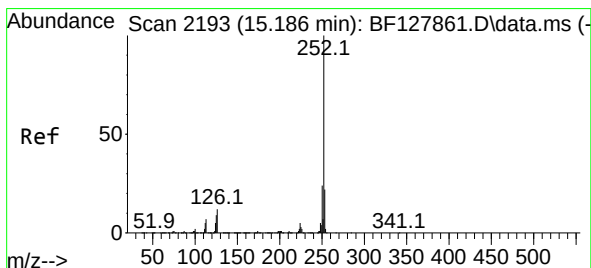
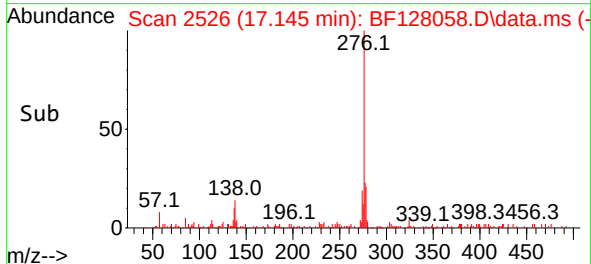
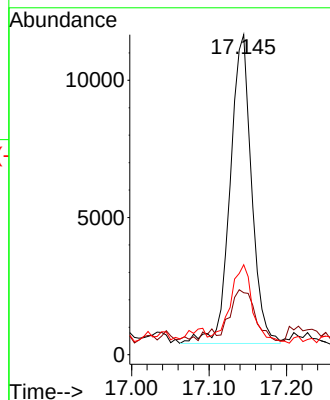
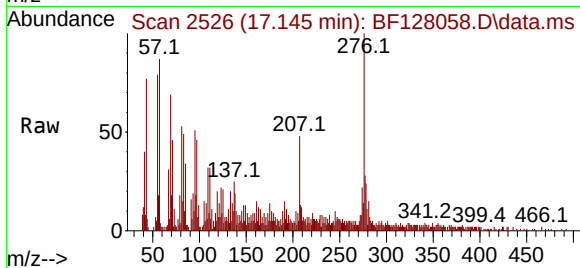
Tgt Ion:276 Resp: 21645

Ion Ratio Lower Upper

276 100

138 19.8 19.0 28.4

277 26.7 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 9.526 ng

RT: 15.157 min Scan# 2188

Delta R.T. -0.012 min

Lab File: BF128058.D

Acq: 03 May 2022 21:06

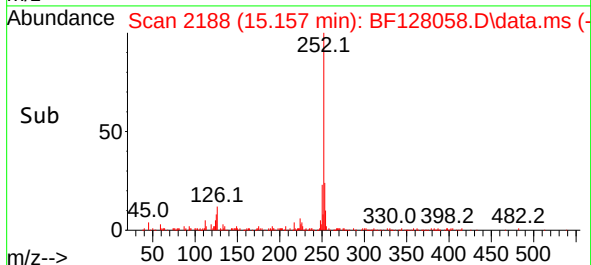
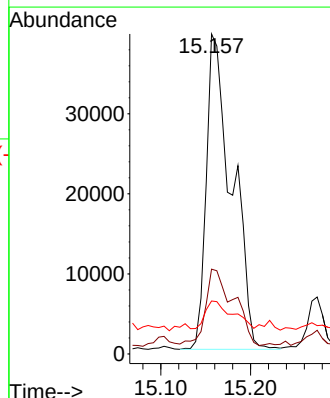
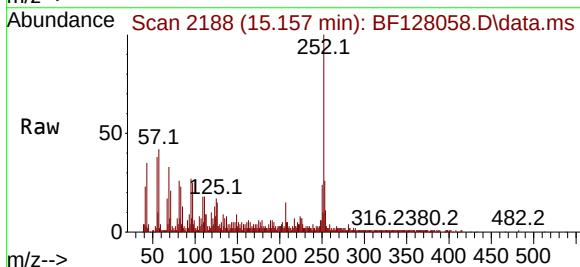
Tgt Ion:252 Resp: 77880

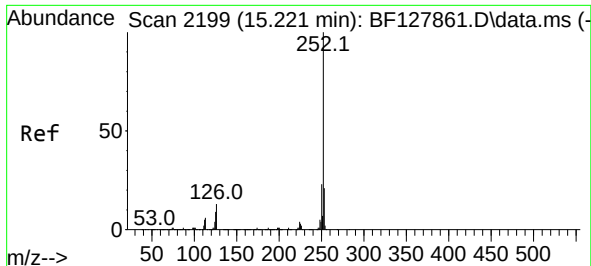
Ion Ratio Lower Upper

252 100

253 26.5 17.4 26.2#

125 16.6 7.4 11.2#

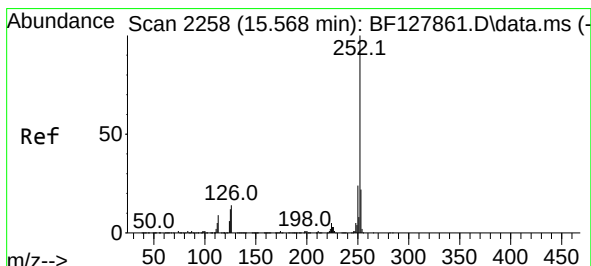
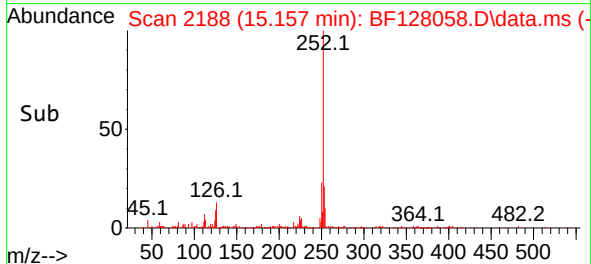
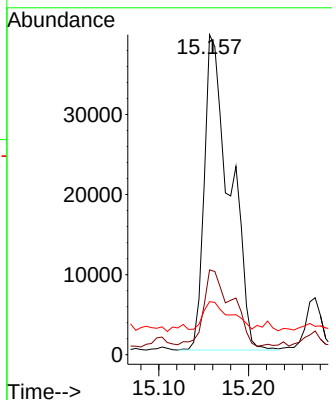
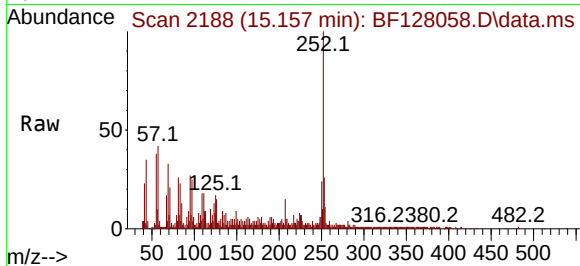




#89
Benzo(k)fluoranthene
Concen: 9.455 ng
RT: 15.157 min Scan# 2199
Delta R.T. -0.041 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

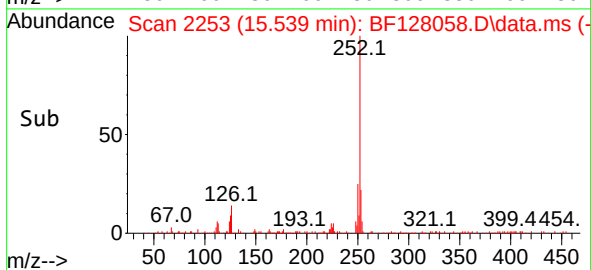
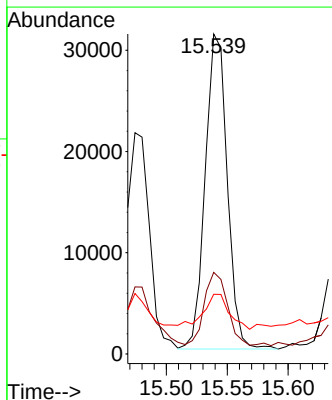
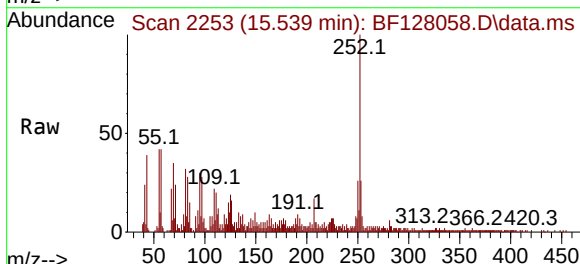
Instrument :
BNA_F
ClientSampleId :
22L097-A

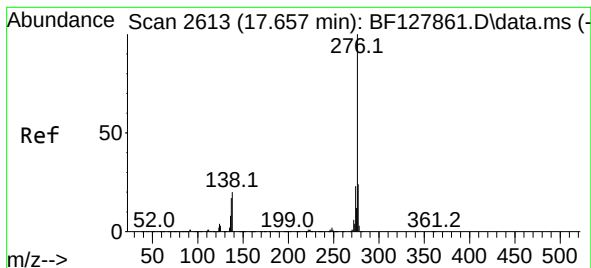
Tgt Ion:252 Resp: 77880
Ion Ratio Lower Upper
252 100
253 26.5 17.0 25.4#
125 16.6 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 5.779 ng
RT: 15.539 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF128058.D
Acq: 03 May 2022 21:06

Tgt Ion:252 Resp: 39190
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.6
125 18.7 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 2.666 ng

RT: 17.609 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF128058.D

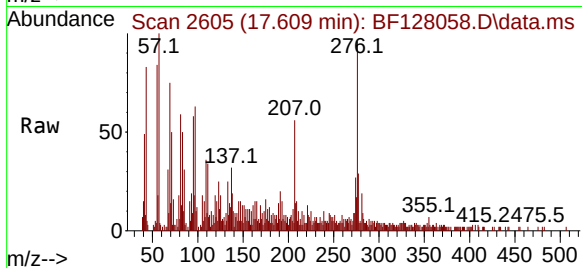
Acq: 03 May 2022 21:06

Instrument :

BNA_F

ClientSampleId :

22L097-A



Tgt Ion:276 Resp: 19579

Ion Ratio Lower Upper

276 100

277 29.9 18.8 28.2#

138 20.1 16.2 24.2

