

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
 Data File : BF128068.D
 Acq On : 04 May 2022 13:29
 Operator : CG\JU
 Sample : N2659-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L097-ARE

Quant Time: May 05 06:02:39 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)

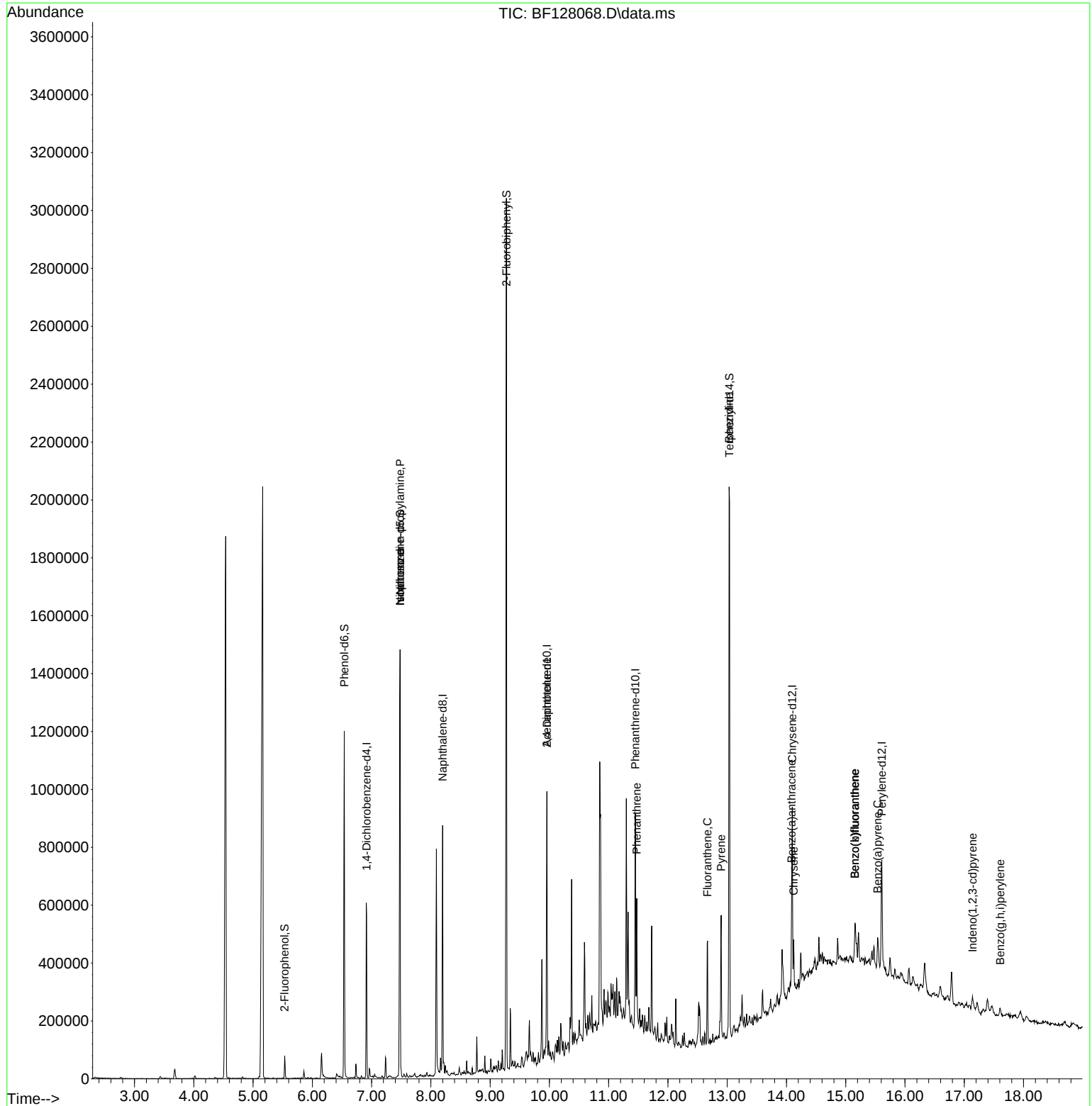
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	83279	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	320495	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	172498	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	256712	20.000	ng	# 0.00
76) Chrysene-d12	14.098	240	188439	20.000	ng	0.00
86) Perylene-d12	15.609	264	153577	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	18018	3.446	ng	0.00
7) Phenol-d6	6.539	99	339747	50.078	ng	-0.01
23) Nitrobenzene-d5	7.481	82	491862	72.168	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	562	0.324	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	823116	80.726	ng	0.00
79) Terphenyl-d14	13.039	244	688874	66.846	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	70493	16.974	ng	# 79
25) Isophorone	7.481	82	491856	42.878	ng	# 68
57) 2,4-Dinitrotoluene	9.957	165	23617	7.118	ng	# 26
71) Phenanthrene	11.474	178	133671	9.947	ng	99
75) Fluoranthene	12.668	202	143731	10.163	ng	95
77) Benzidine	13.033	184	10070	2.824	ng	95
78) Pyrene	12.898	202	145243	9.548	ng	99
81) Benzo(a)anthracene	14.086	228	73607	5.860	ng	99
83) Chrysene	14.121	228	64773	5.400	ng	97
87) Indeno(1,2,3-cd)pyrene	17.139	276	21948	2.141	ng	96
88) Benzo(b)fluoranthene	15.157	252	92341	9.573	ng	# 88
89) Benzo(k)fluoranthene	15.157	252	92341	9.502	ng	# 86
90) Benzo(a)pyrene	15.539	252	45948	5.743	ng	# 92
92) Benzo(g,h,i)perylene	17.609	276	22287	2.572	ng	# 94

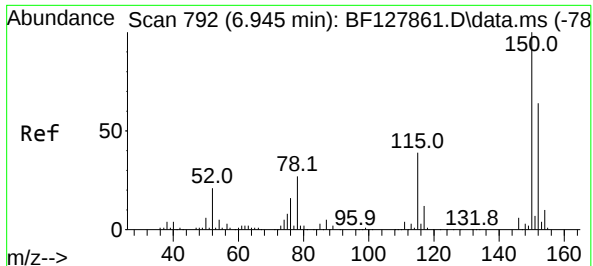
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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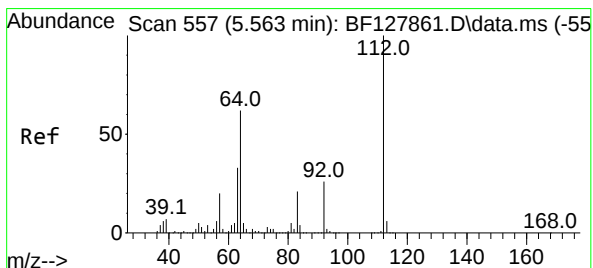
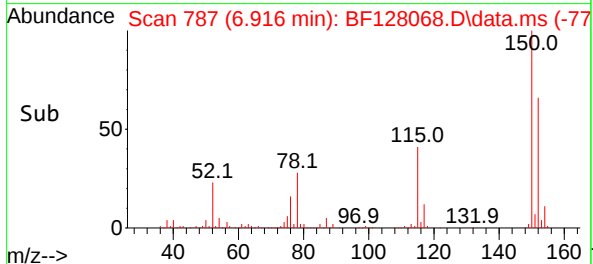
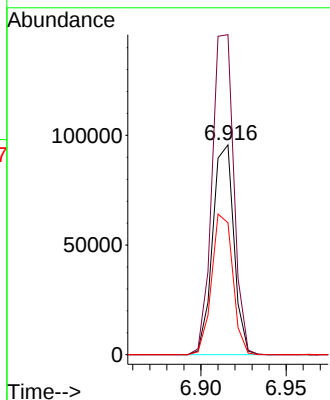
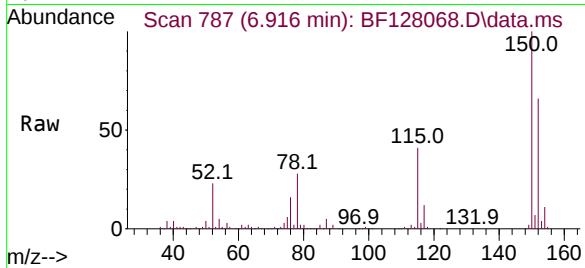




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

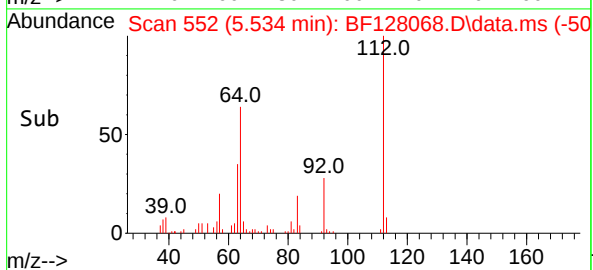
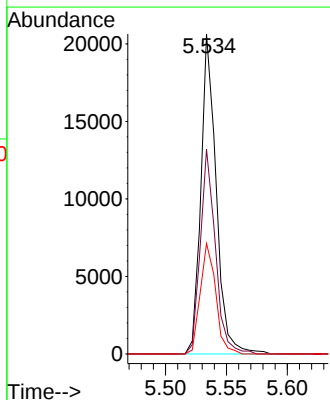
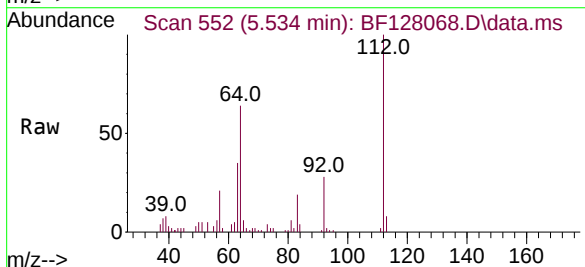
Instrument :
BNA_F
ClientSampleId :
22L097-ARE

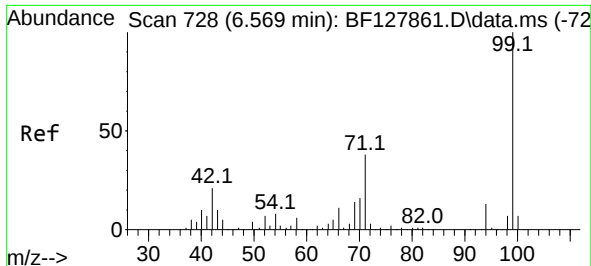
Tgt Ion:152 Resp: 83279
Ion Ratio Lower Upper
152 100
150 152.6 125.3 187.9
115 62.9 48.8 73.2



#5
2-Fluorophenol
Concen: 3.446 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

Tgt Ion:112 Resp: 18018
Ion Ratio Lower Upper
112 100
64 64.0 49.5 74.3
63 34.6 26.3 39.5

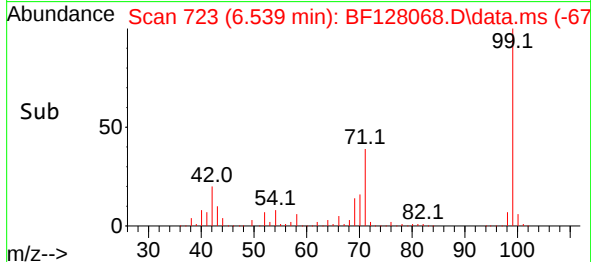
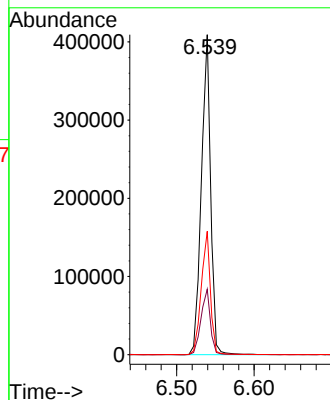
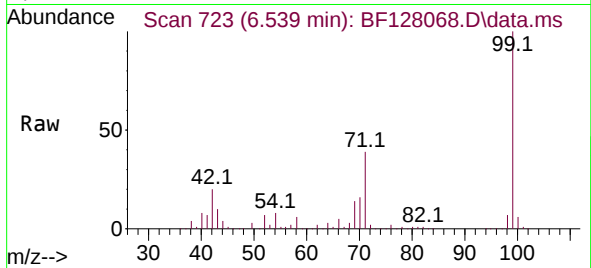




#7
Phenol-d6
Concen: 50.078 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

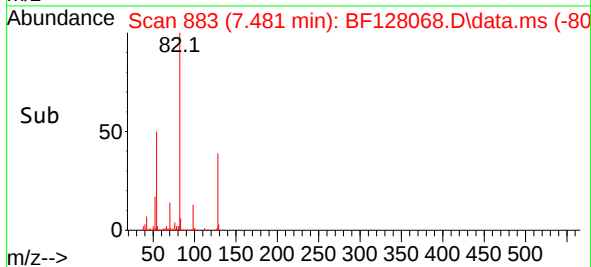
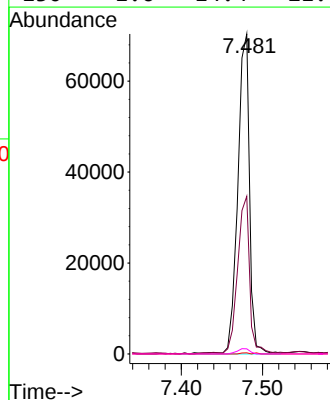
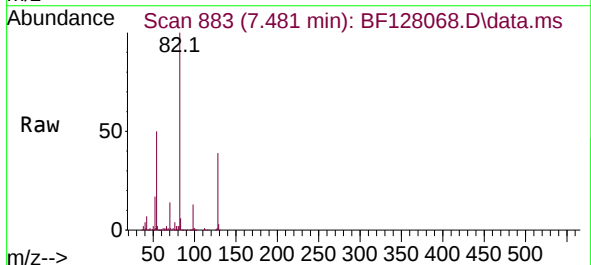
Instrument :
BNA_F
ClientSampleId :
22L097-ARE

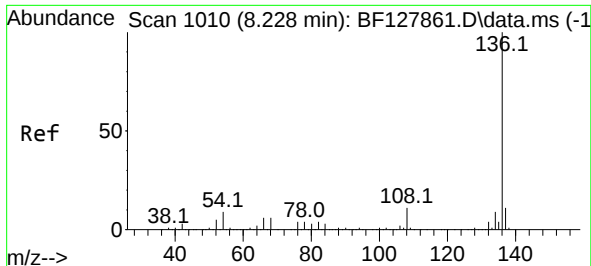
Tgt Ion: 99 Resp: 339747
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 38.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.974 ng
RT: 7.481 min Scan# 883
Delta R.T. 0.147 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

Tgt Ion: 70 Resp: 70493
Ion Ratio Lower Upper
70 100
42 49.2 48.7 73.1
101 0.4 7.2 10.8#
130 1.6 14.4 21.6#

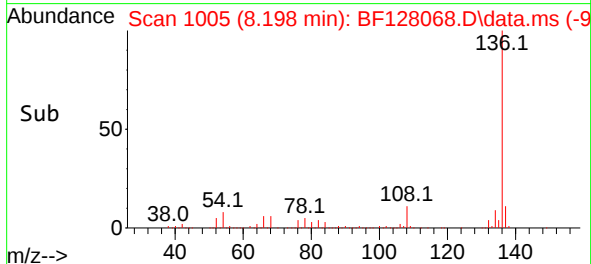
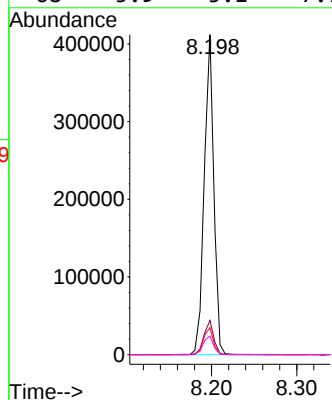
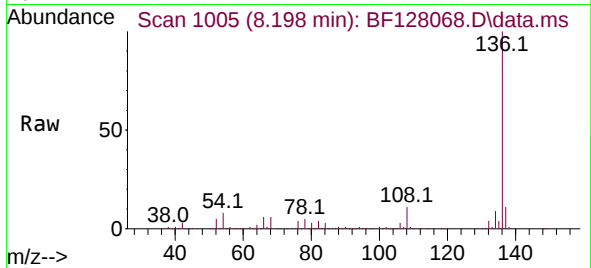




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

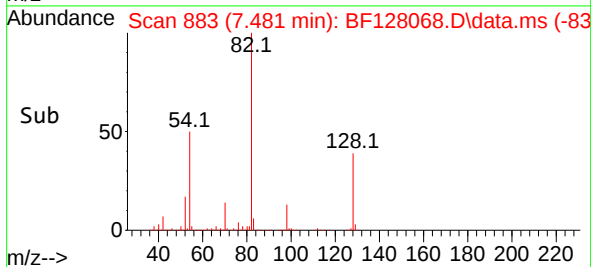
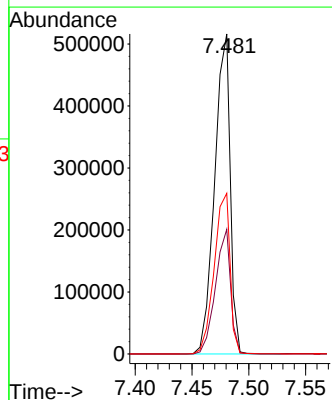
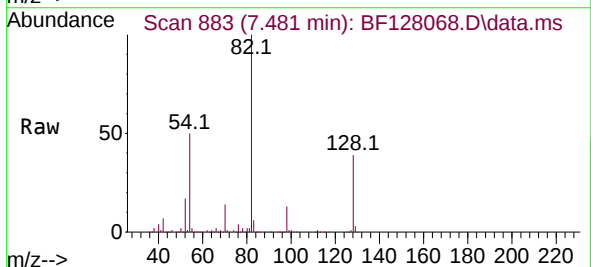
Instrument :
BNA_F
ClientSampleId :
22L097-ARE

Tgt Ion:	136	Resp:	320495
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	8.4	6.8	10.2
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 72.168 ng
RT: 7.481 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

Tgt Ion:	82	Resp:	491862
Ion Ratio	Lower	Upper	
82	100		
128	39.0	30.0	45.0
54	50.2	41.3	61.9

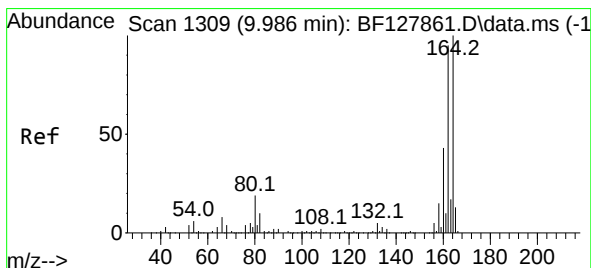
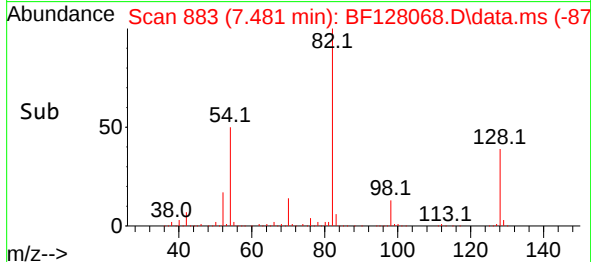
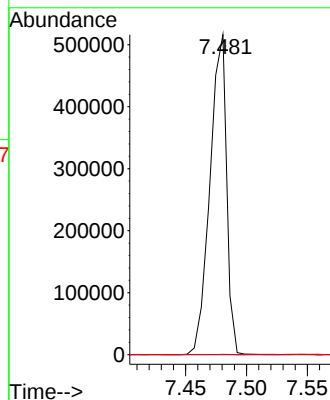
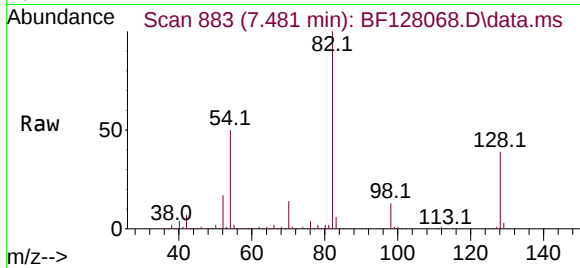




#25
Isophorone
Concen: 42.878 ng
RT: 7.481 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

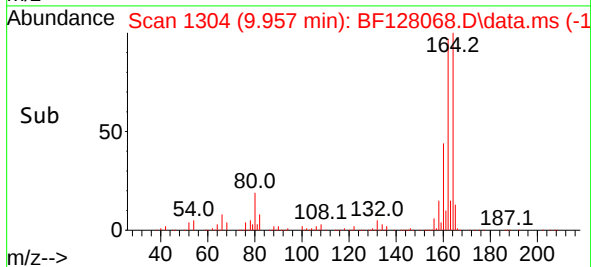
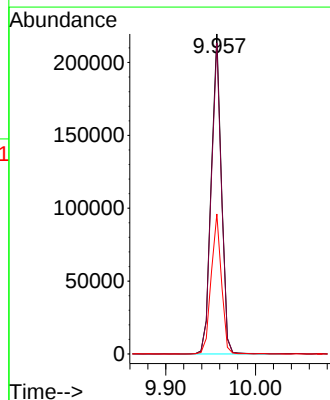
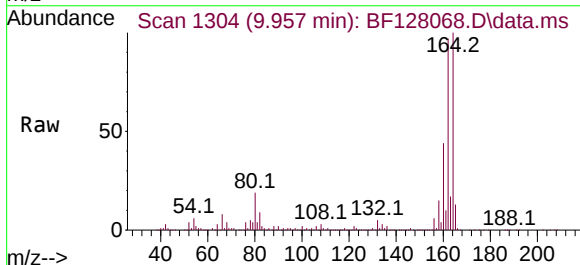
Instrument :
BNA_F
ClientSampleId :
22L097-ARE

Tgt Ion: 82 Resp: 491856
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: BF128068.D
Acq: 04 May 2022 13:29

Tgt Ion:164 Resp: 172498
Ion Ratio Lower Upper
164 100
162 97.2 76.0 114.0
160 43.8 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 0.324 ng

RT: 10.745 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

Instrument :

BNA_F

ClientSampleId :

22L097-ARE

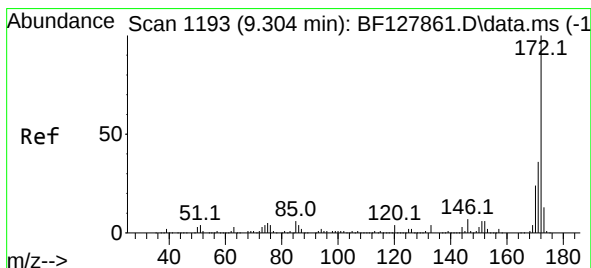
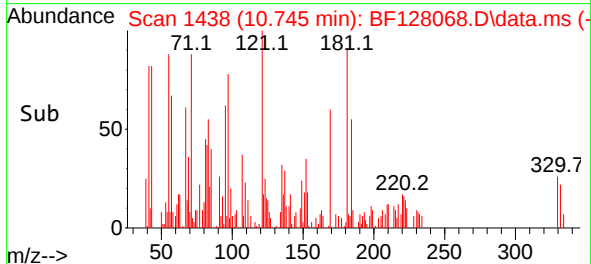
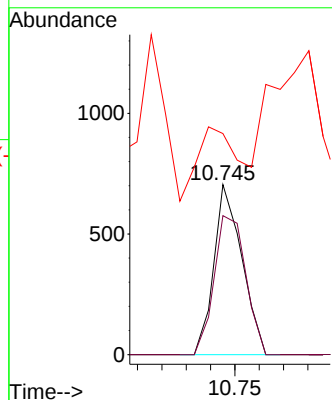
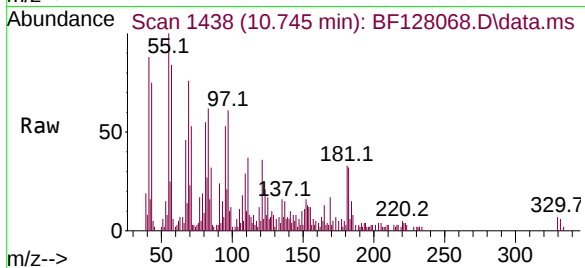
Tgt Ion:330 Resp: 562

Ion Ratio Lower Upper

330 100

332 92.3 79.0 118.4

141 65.3 28.9 43.3#



#45

2-Fluorobiphenyl

Concen: 80.726 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

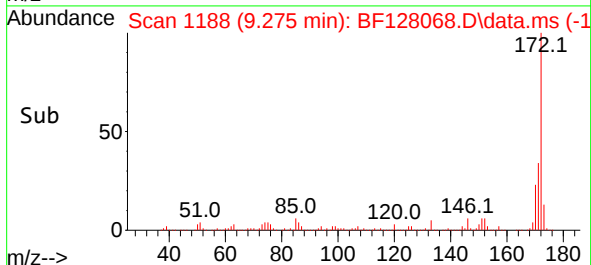
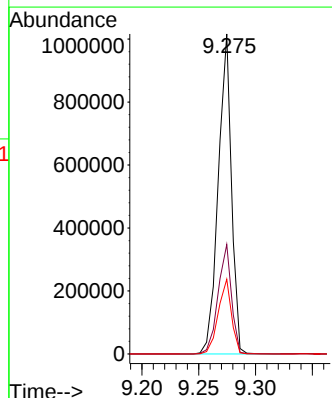
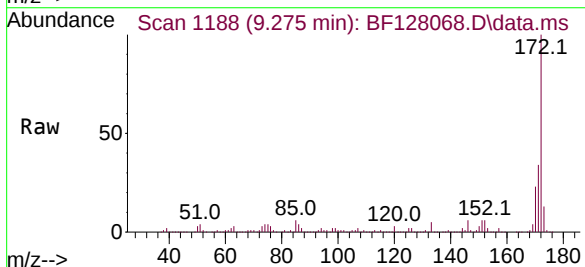
Tgt Ion:172 Resp: 823116

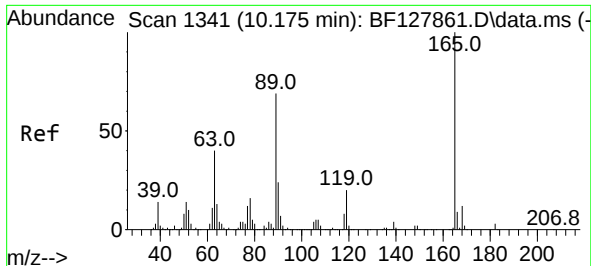
Ion Ratio Lower Upper

172 100

171 34.2 28.6 42.8

170 23.4 19.1 28.7

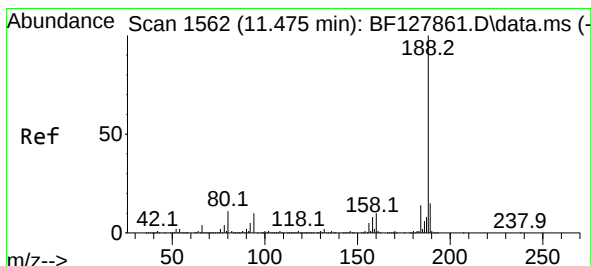
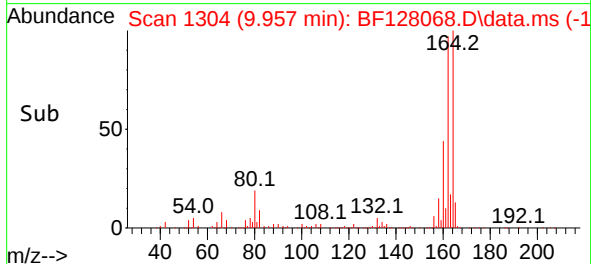
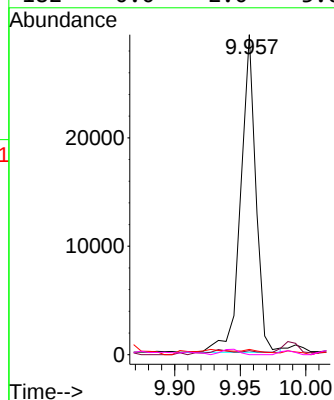
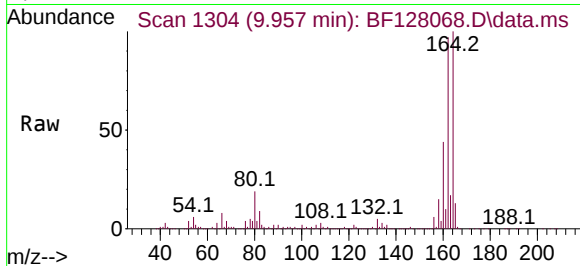




#57
2,4-Dinitrotoluene
Concen: 7.118 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

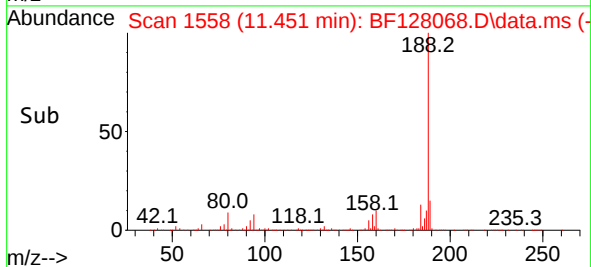
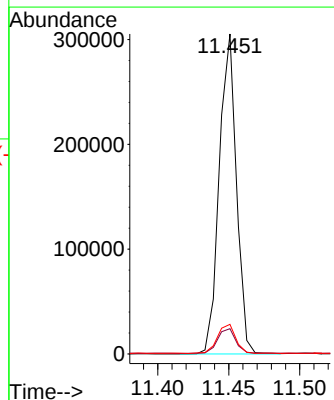
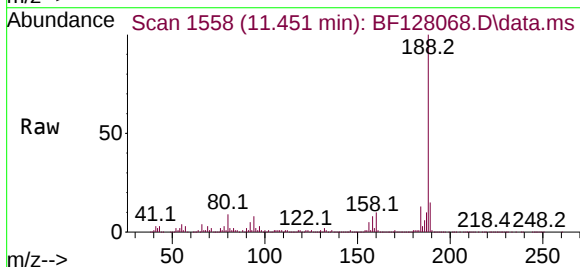
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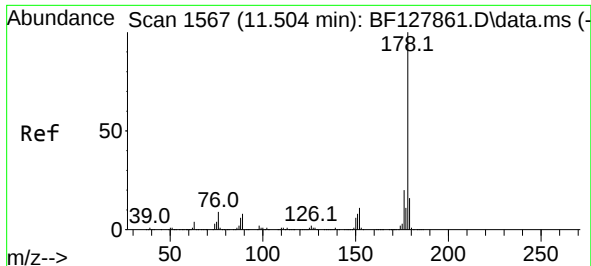
Tgt Ion:165 Resp: 23617
Ion Ratio Lower Upper
165 100
63 1.2 32.6 49.0#
89 1.7 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

Tgt Ion:188 Resp: 256712
Ion Ratio Lower Upper
188 100
94 7.9 8.0 12.0#
80 9.3 8.9 13.3

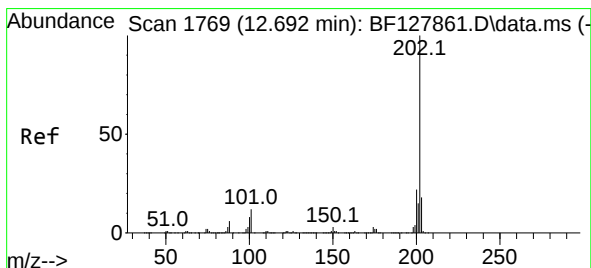
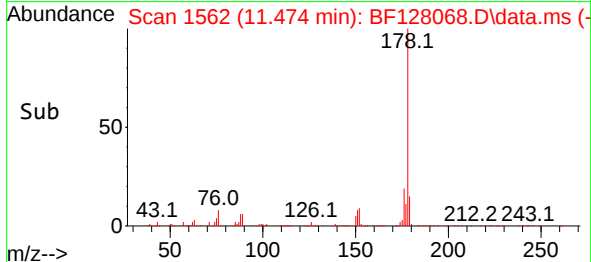
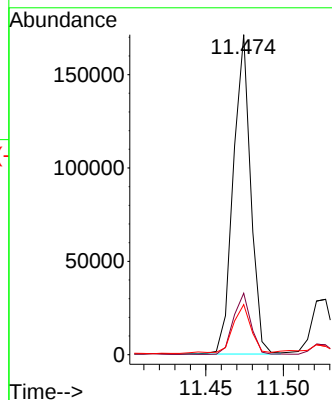
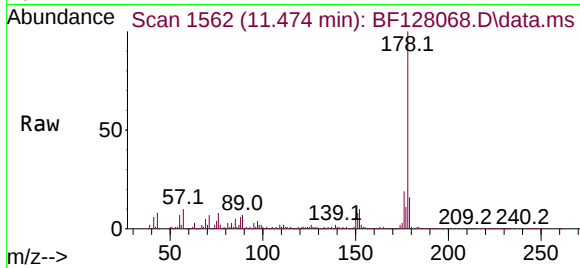




#71
Phenanthrene
Concen: 9.947 ng
RT: 11.474 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

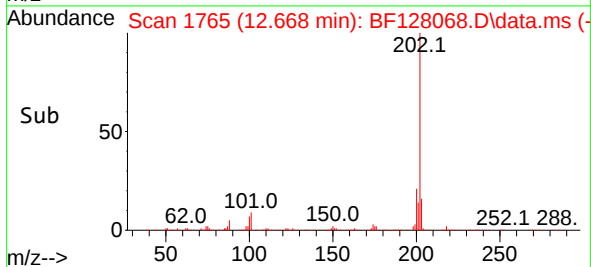
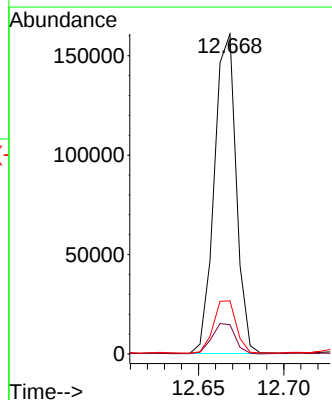
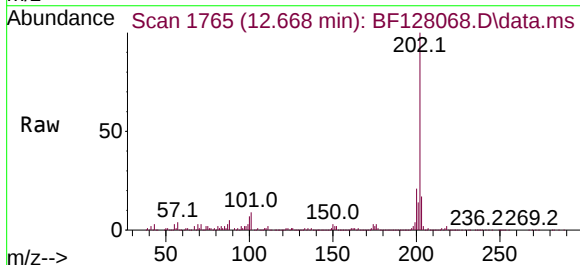
Instrument :
BNA_F
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22L097-ARE

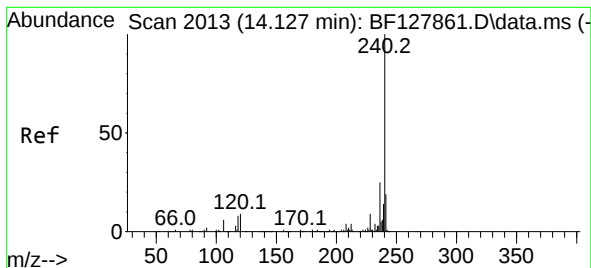
Tgt Ion:178 Resp: 133671
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.7 12.6 19.0



#75
Fluoranthene
Concen: 10.163 ng
RT: 12.668 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

Tgt Ion:202 Resp: 143731
Ion Ratio Lower Upper
202 100
101 9.2 0.0 31.6
203 16.6 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

Instrument :

BNA_F

ClientSampleId :

22L097-ARE

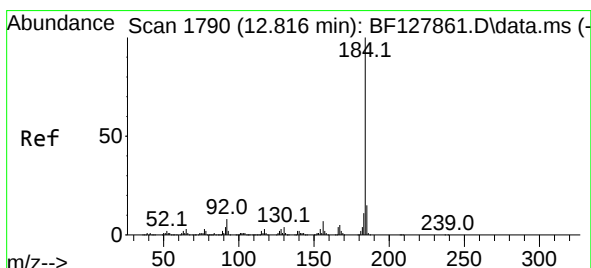
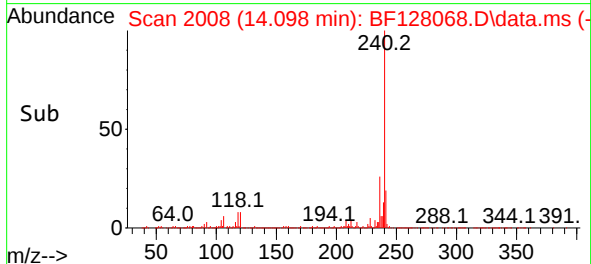
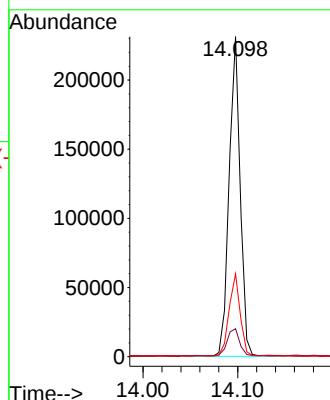
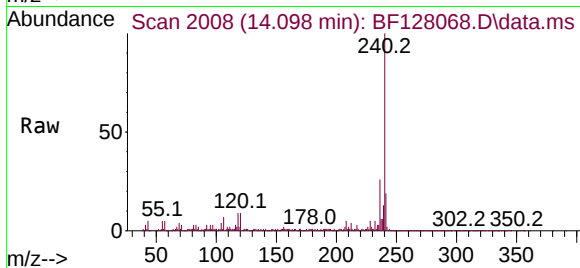
Tgt Ion:240 Resp: 188439

Ion Ratio Lower Upper

240 100

120 8.7 7.0 10.6

236 25.9 20.3 30.5



#77

Benzidine

Concen: 2.824 ng

RT: 13.033 min Scan# 1827

Delta R.T. 0.241 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

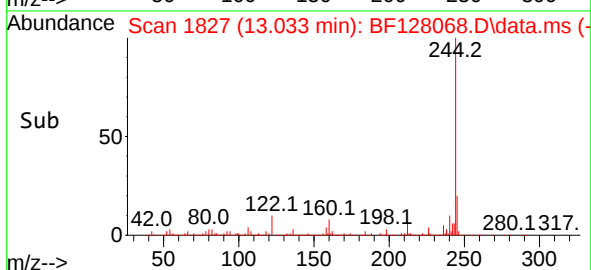
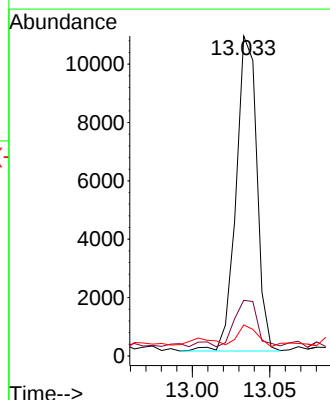
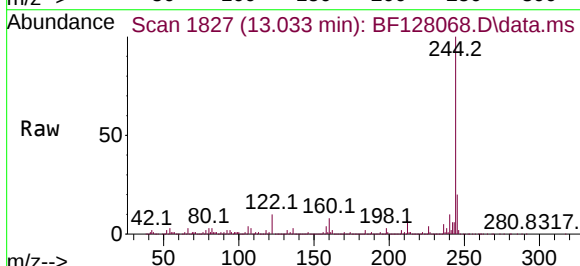
Tgt Ion:184 Resp: 10070

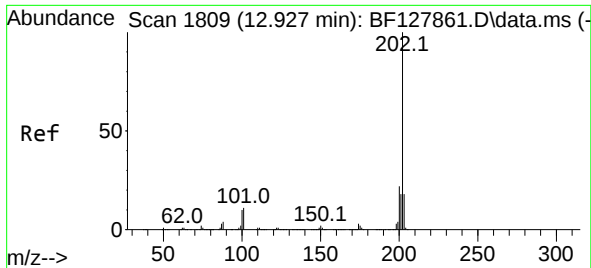
Ion Ratio Lower Upper

184 100

185 17.4 12.1 18.1

183 9.7 9.0 13.4

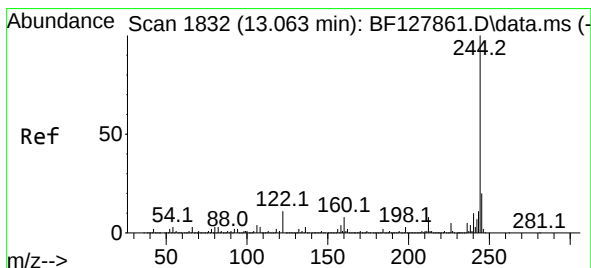
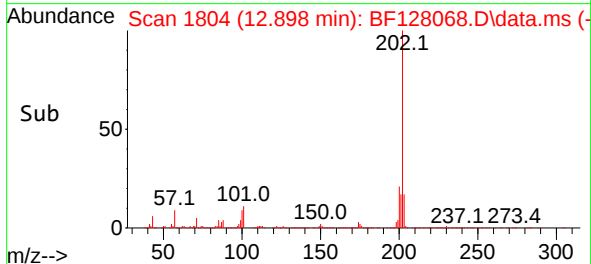
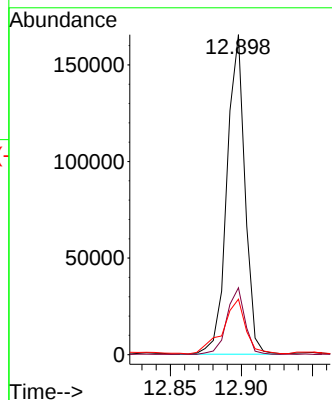
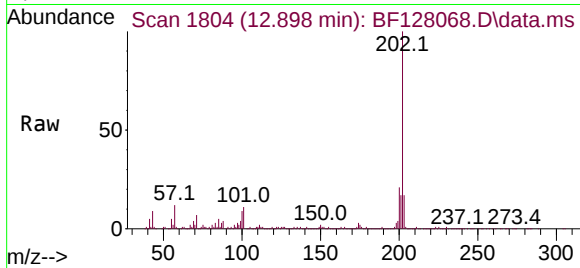




#78
 Pyrene
 Concen: 9.548 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128068.D
 Acq: 04 May 2022 13:29

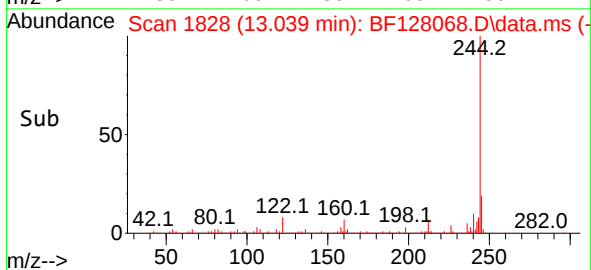
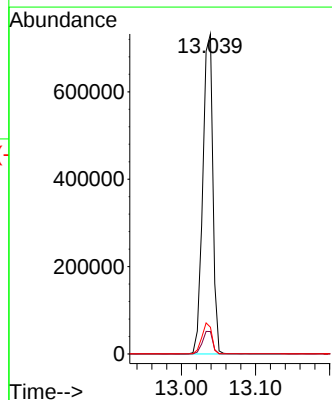
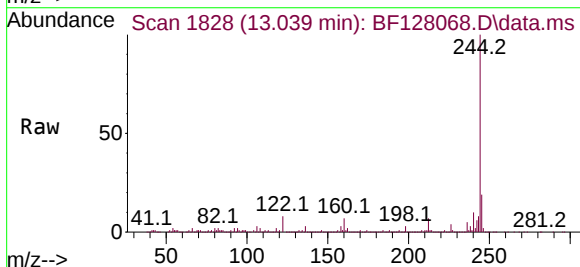
Instrument :
 BNA_F
 ClientSampleId :
 22L097-ARE

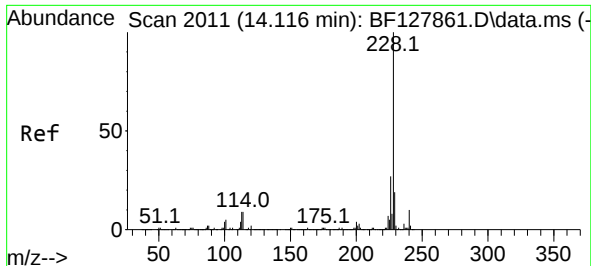
Tgt Ion:202 Resp: 145243
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.4 26.2
 203 17.4 14.0 21.0



#79
 Terphenyl-d14
 Concen: 66.846 ng
 RT: 13.039 min Scan# 1828
 Delta R.T. -0.006 min
 Lab File: BF128068.D
 Acq: 04 May 2022 13:29

Tgt Ion:244 Resp: 688874
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.4
 122 8.3 8.6 12.8#

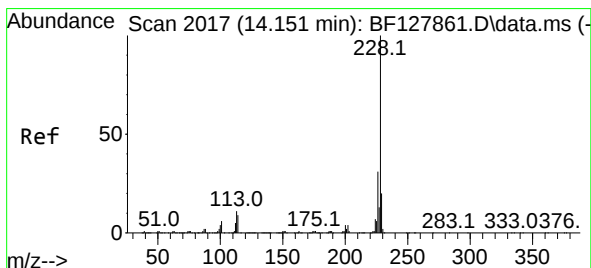
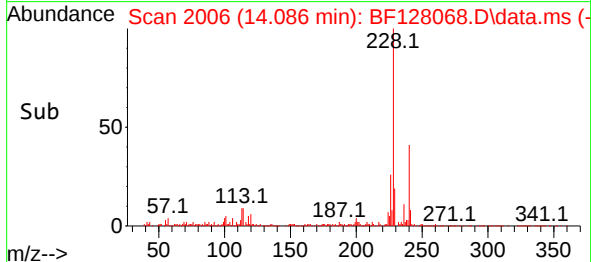
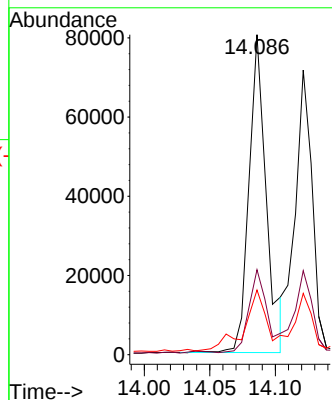
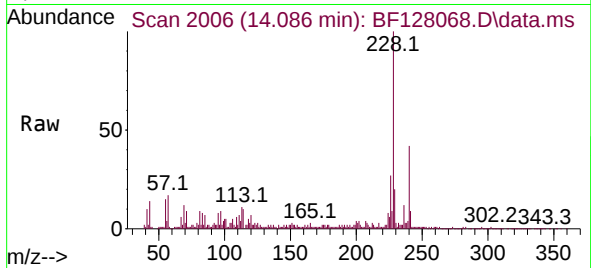




#81
Benzo(a)anthracene
Concen: 5.860 ng
RT: 14.086 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

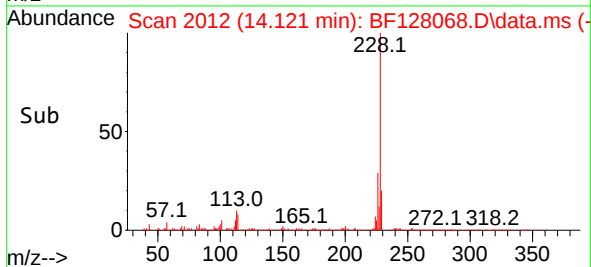
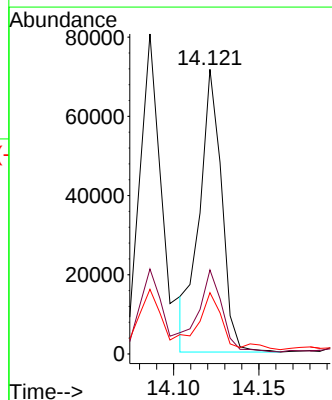
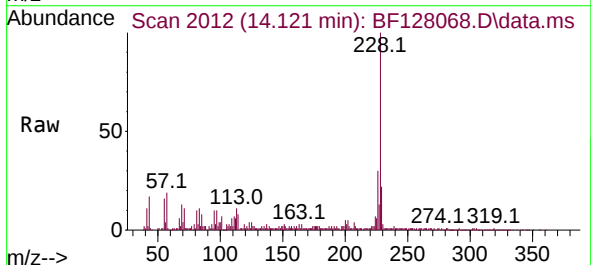
Instrument :
BNA_F
ClientSampleId :
22L097-ARE

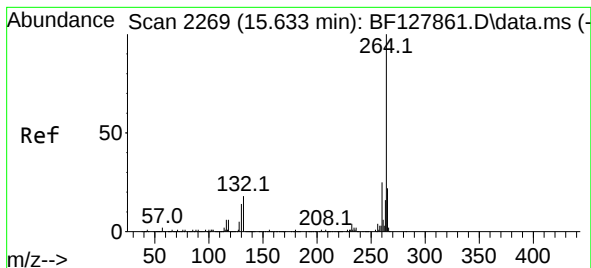
Tgt Ion:228 Resp: 73607
Ion Ratio Lower Upper
228 100
226 26.5 21.7 32.5
229 20.2 15.4 23.2



#83
Chrysene
Concen: 5.400 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

Tgt Ion:228 Resp: 64773
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.609 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

Instrument :

BNA_F

ClientSampleId :

22L097-ARE

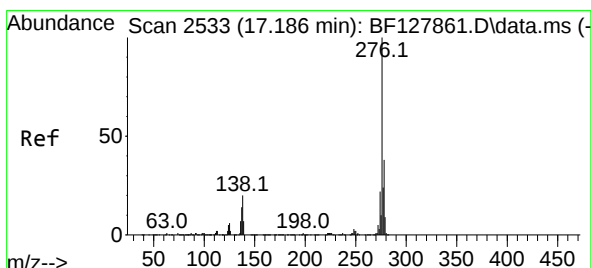
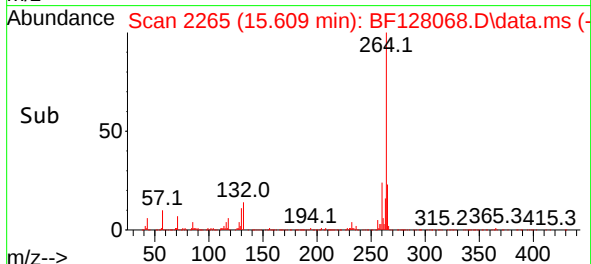
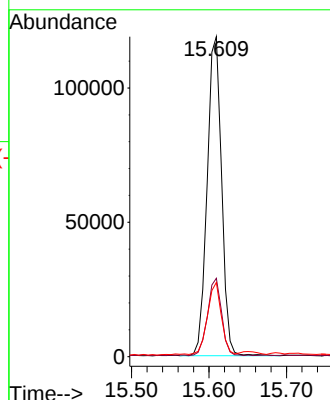
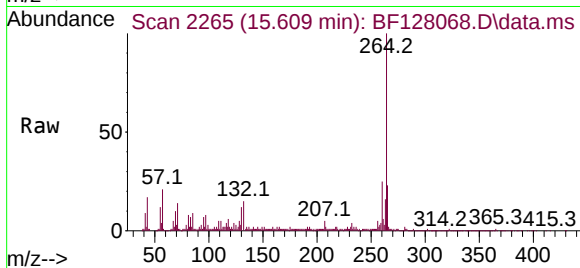
Tgt Ion:264 Resp: 153577

Ion Ratio Lower Upper

264 100

260 24.5 20.1 30.1

265 23.2 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.141 ng

RT: 17.139 min Scan# 2525

Delta R.T. -0.024 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

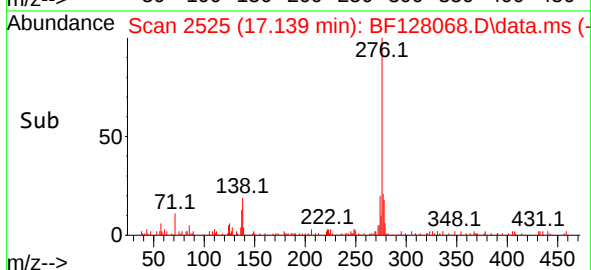
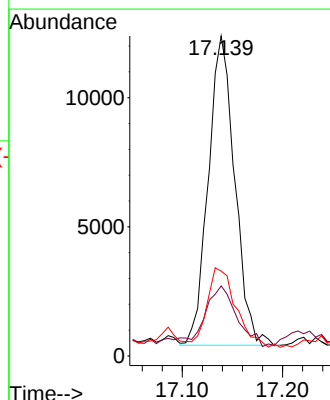
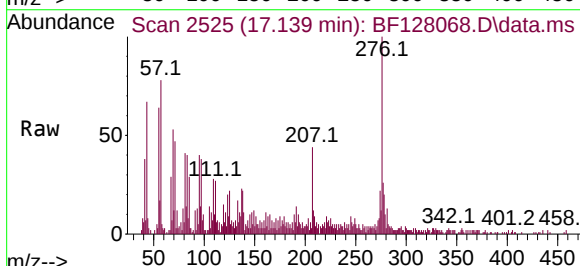
Tgt Ion:276 Resp: 21948

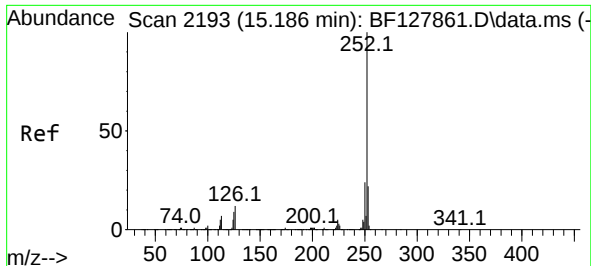
Ion Ratio Lower Upper

276 100

138 24.4 19.0 28.4

277 28.0 20.1 30.1

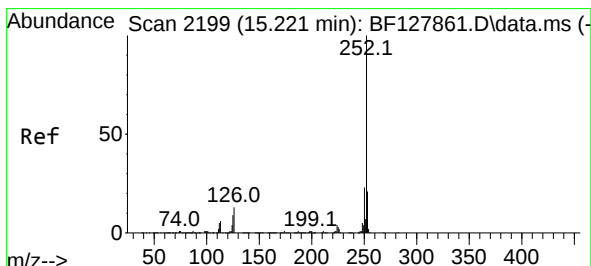
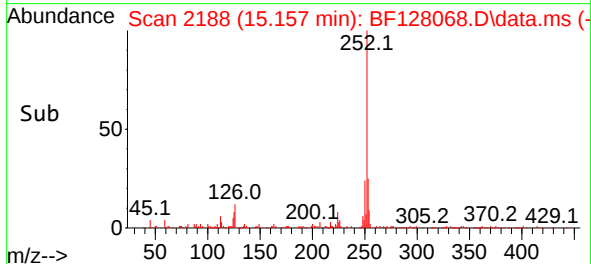
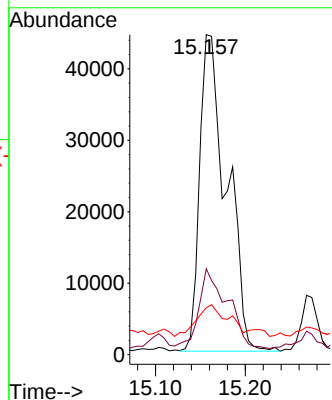
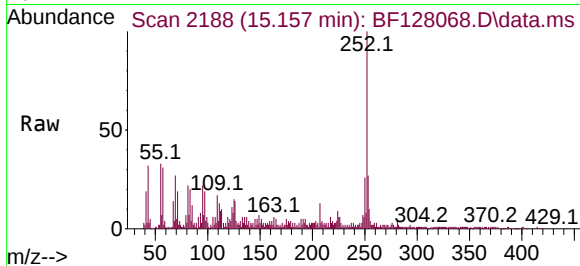




#88
Benzo(b)fluoranthene
Concen: 9.573 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

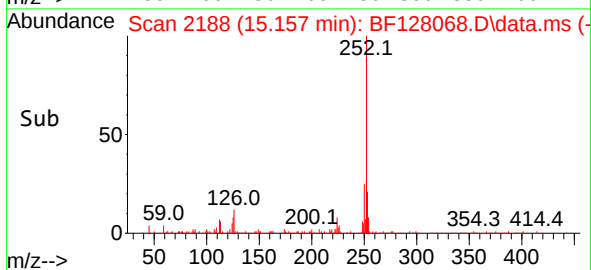
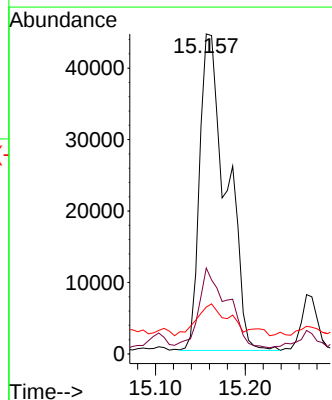
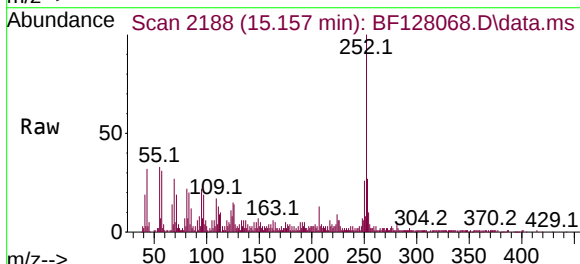
Instrument :
BNA_F
ClientSampleId :
22L097-ARE

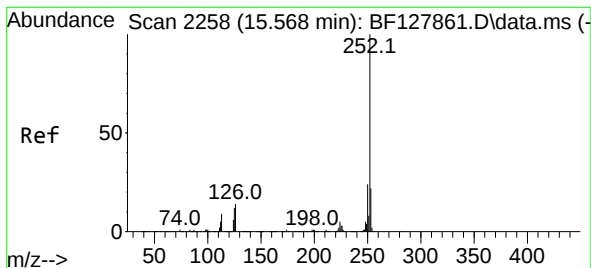
Tgt Ion:252 Resp: 92341
Ion Ratio Lower Upper
252 100
253 26.9 17.4 26.2#
125 14.6 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 9.502 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

Tgt Ion:252 Resp: 92341
Ion Ratio Lower Upper
252 100
253 26.9 17.0 25.4#
125 14.6 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 5.743 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

Instrument :

BNA_F

ClientSampleId :

22L097-ARE

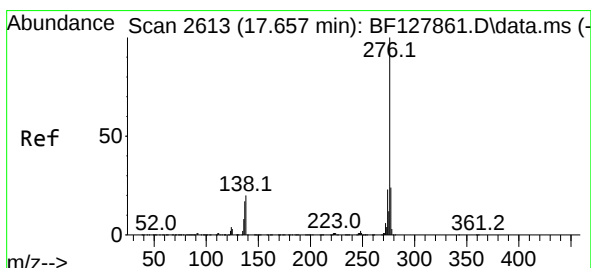
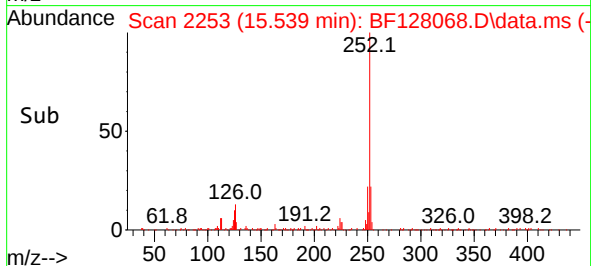
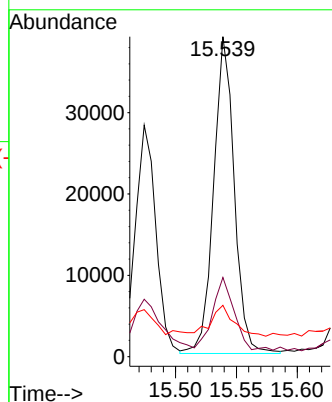
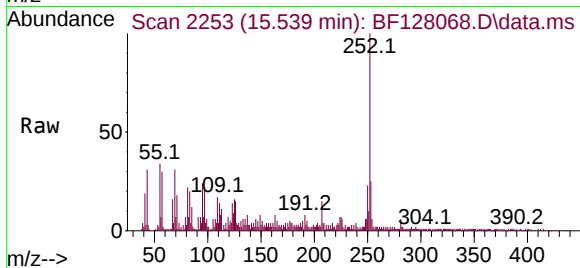
Tgt Ion:252 Resp: 45948

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

125 16.0 9.2 13.8#



#92

Benzo(g,h,i)perylene

Concen: 2.572 ng

RT: 17.609 min Scan# 2605

Delta R.T. -0.024 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

Tgt Ion:276 Resp: 22287

Ion Ratio Lower Upper

276 100

277 28.5 18.8 28.2#

138 20.0 16.2 24.2

