

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
 Data File : BF128056.D
 Acq On : 03 May 2022 20:09
 Operator : CG\JU
 Sample : N2659-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L097-D

Quant Time: May 04 04:28:01 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)

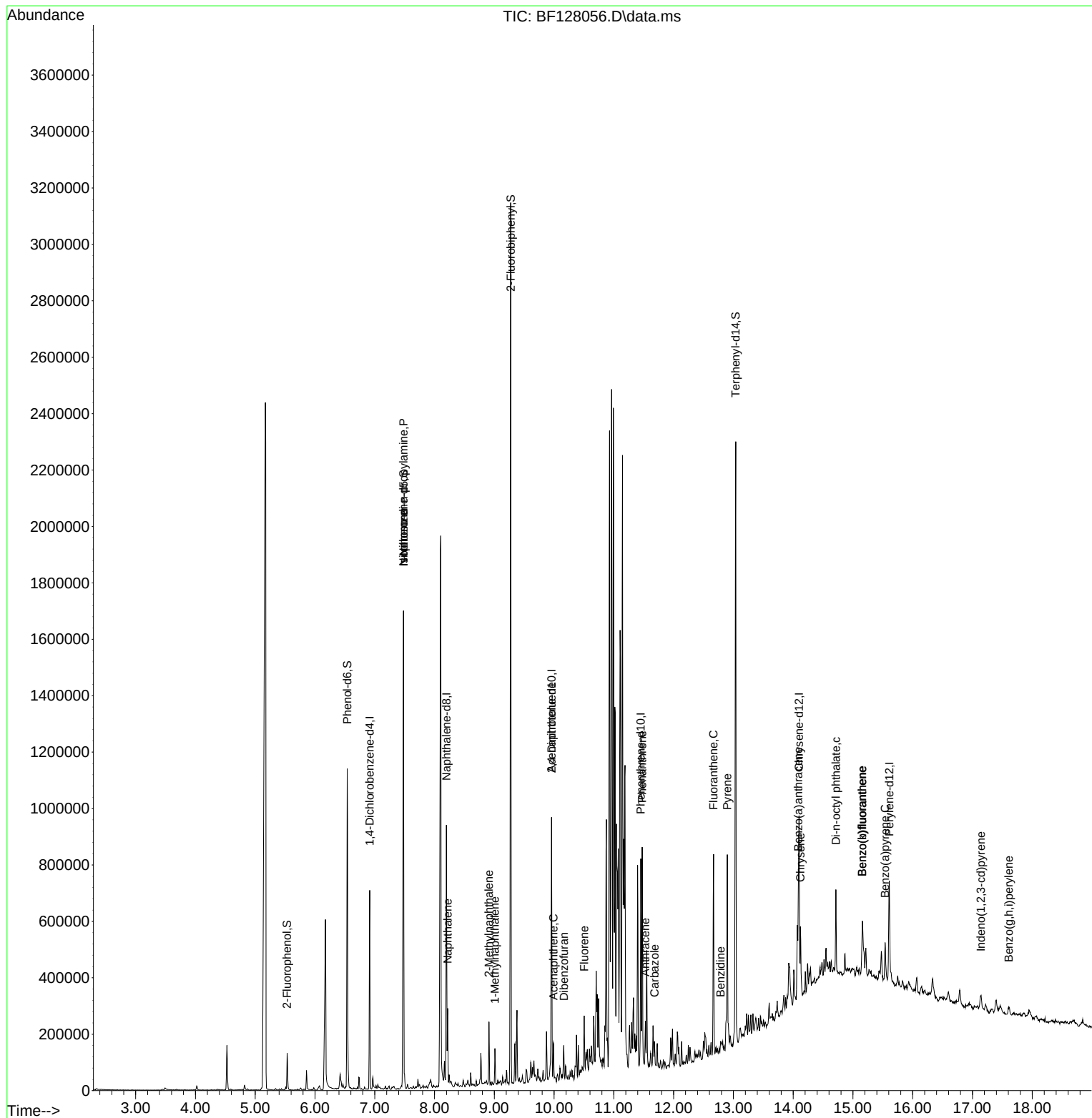
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	90438	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	343034	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	167591	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	256560	20.000	ng	0.00
76) Chrysene-d12	14.098	240	183335	20.000	ng	0.00
86) Perylene-d12	15.610	264	139775	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	33110	5.831	ng	0.00
7) Phenol-d6	6.540	99	356776	48.425	ng	-0.01
23) Nitrobenzene-d5	7.481	82	533590	73.146	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	1939	1.149	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	841066	84.901	ng	0.00
79) Terphenyl-d14	13.039	244	715602	71.373	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	78347	17.372	ng	# 79
25) Isophorone	7.481	82	533590	43.460	ng	# 68
31) Naphthalene	8.222	128	49925	2.858	ng	99
37) 2-Methylnaphthalene	8.910	142	50963	4.414	ng	97
38) 1-Methylnaphthalene	9.010	142	26652	2.375	ng	96
52) Acenaphthene	9.992	154	25991	2.674	ng	98
55) Dibenzofuran	10.163	168	32899	2.346	ng	97
57) 2,4-Dinitrotoluene	9.957	165	23553	7.307	ng	# 27
58) Fluorene	10.504	166	28441	2.718	ng	98
71) Phenanthrene	11.474	178	254514	18.951	ng	99
72) Anthracene	11.527	178	61241	4.578	ng	99
73) Carbazole	11.680	167	25989	2.016	ng	97
75) Fluoranthene	12.669	202	260079	18.401	ng	97
77) Benzidine	12.786	184	9950	2.868	ng	# 90
78) Pyrene	12.898	202	238048	16.085	ng	99
81) Benzo(a)anthracene	14.086	228	109076	8.926	ng	97
83) Chrysene	14.121	228	94829	8.126	ng	96
85) Di-n-octyl phthalate	14.715	149	26462	2.220	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.139	276	31334	3.359	ng	# 94
88) Benzo(b)fluoranthene	15.157	252	119876	13.655	ng	# 93
89) Benzo(k)fluoranthene	15.157	252	119876	13.553	ng	# 92
90) Benzo(a)pyrene	15.539	252	60577	8.319	ng	# 93
92) Benzo(g,h,i)perylene	17.609	276	30053	3.811	ng	# 92

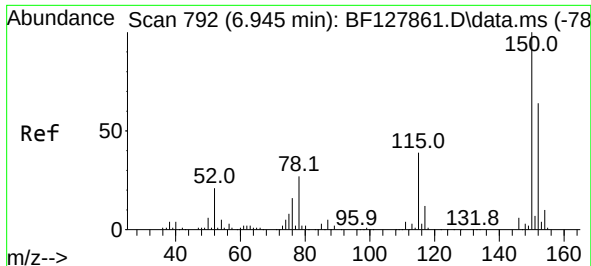
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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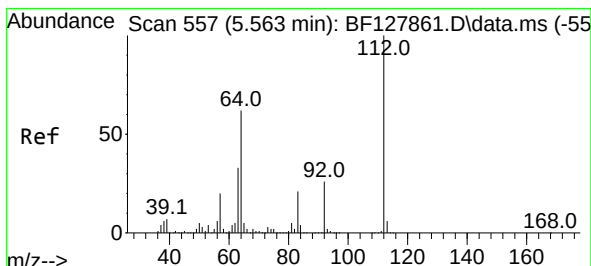
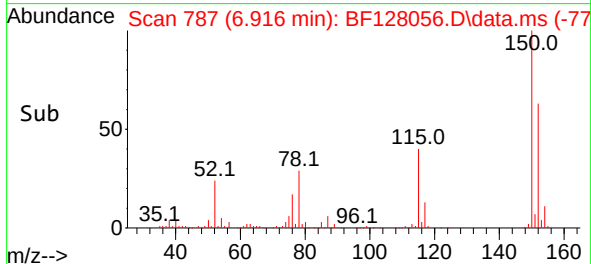
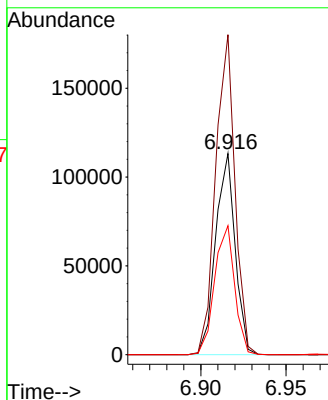
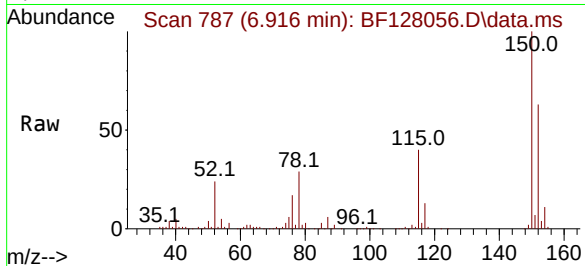




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

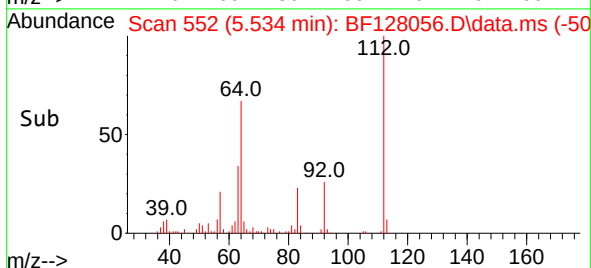
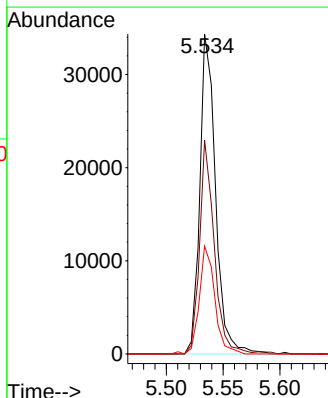
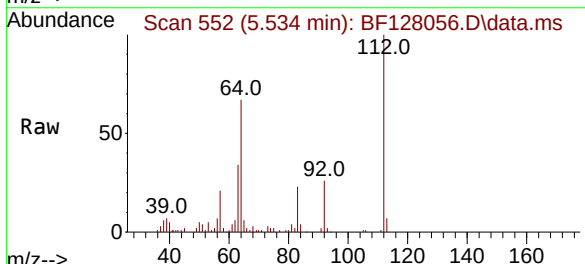
Instrument :
BNA_F
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22L097-D

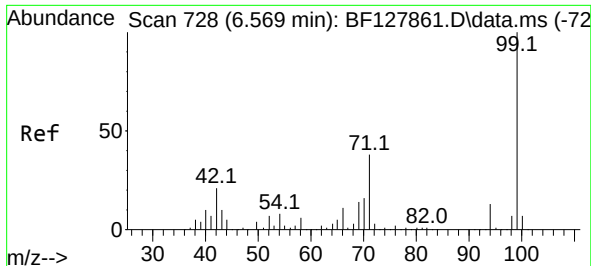
Tgt Ion:152 Resp: 90438
Ion Ratio Lower Upper
152 100
150 159.1 125.3 187.9
115 64.2 48.8 73.2



#5
2-Fluorophenol
Concen: 5.831 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion:112 Resp: 33110
Ion Ratio Lower Upper
112 100
64 66.9 49.5 74.3
63 33.7 26.3 39.5

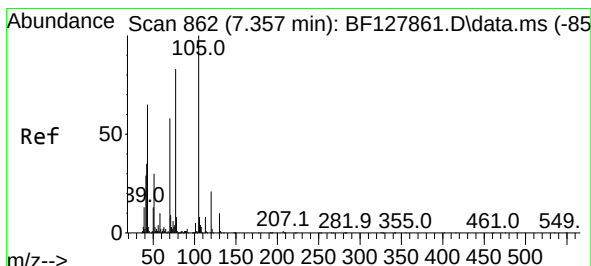
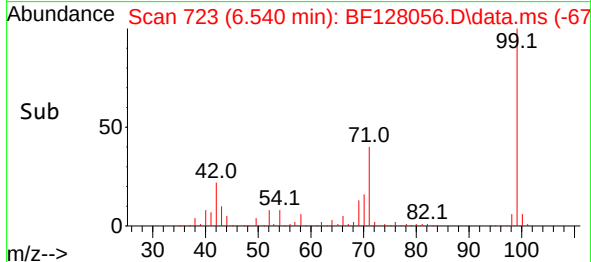
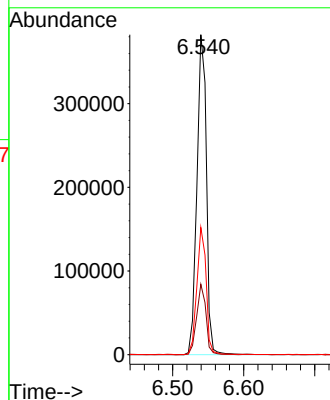
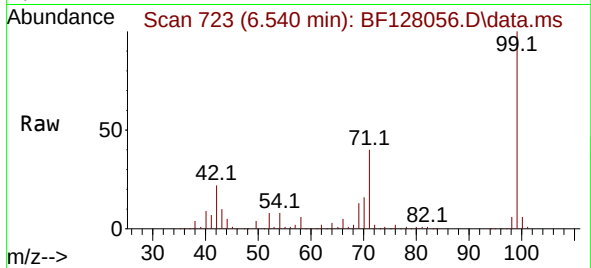




#7
Phenol-d6
Concen: 48.425 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

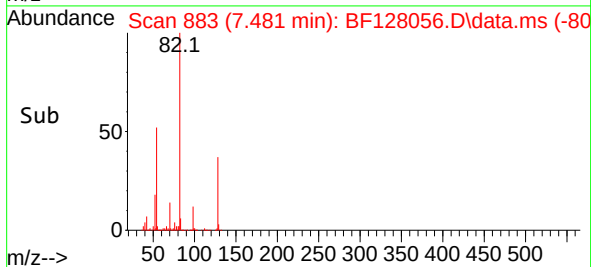
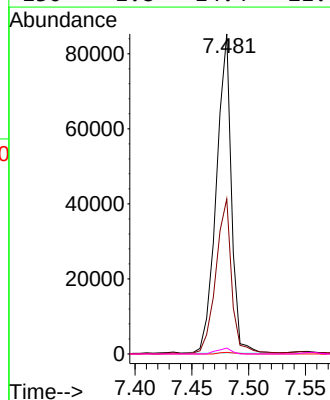
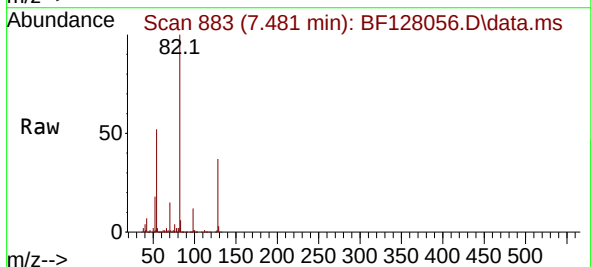
Instrument :
BNA_F
ClientSampleId :
22L097-D

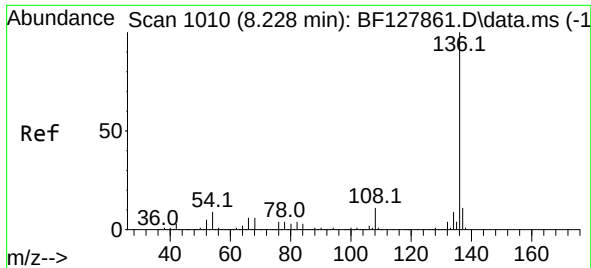
Tgt Ion: 99 Resp: 356776
Ion Ratio Lower Upper
99 100
42 22.0 16.6 24.8
71 39.7 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.372 ng
RT: 7.481 min Scan# 883
Delta R.T. 0.147 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion: 70 Resp: 78347
Ion Ratio Lower Upper
70 100
42 48.5 48.7 73.1#
101 0.5 7.2 10.8#
130 1.8 14.4 21.6#

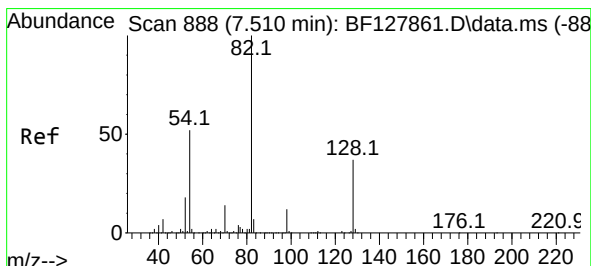
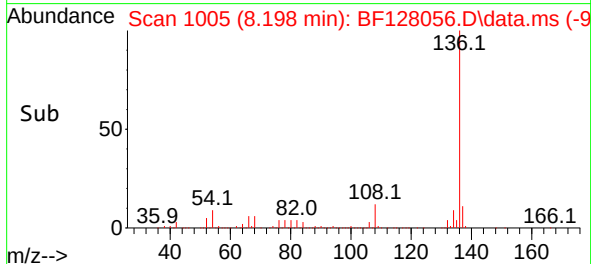
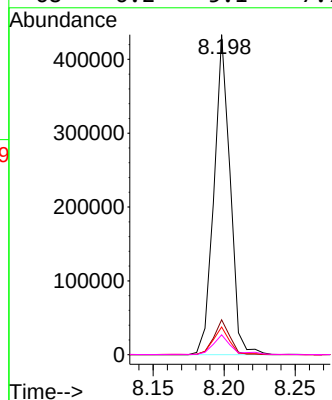
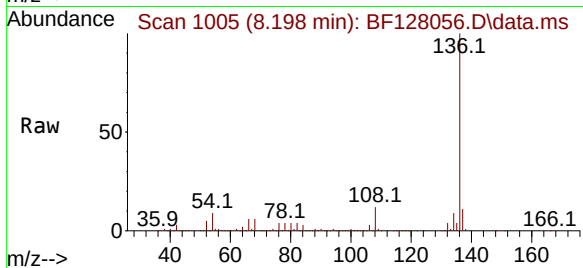




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

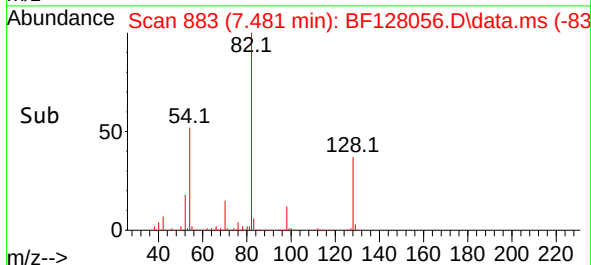
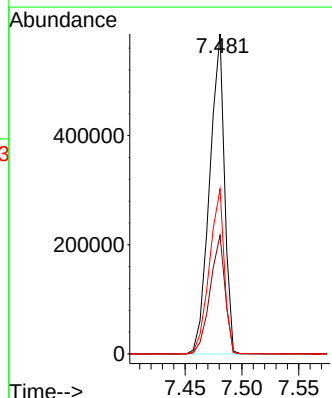
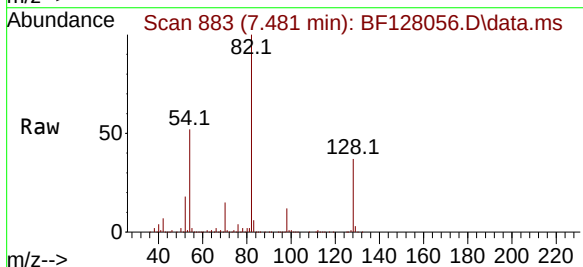
Instrument :
BNA_F
ClientSampleId :
22L097-D

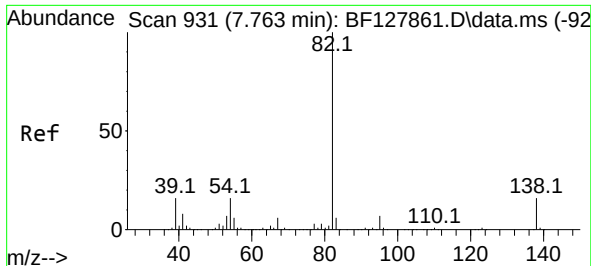
Tgt Ion:	136	Resp:	343034
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	6.8	10.2
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 73.146 ng
RT: 7.481 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion:	82	Resp:	533590
Ion	Ratio	Lower	Upper
82	100		
128	37.1	30.0	45.0
54	51.6	41.3	61.9

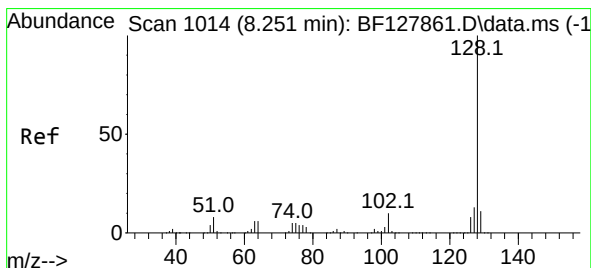
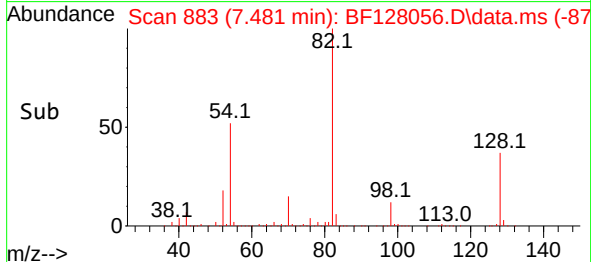
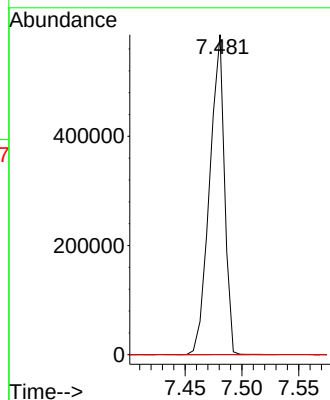
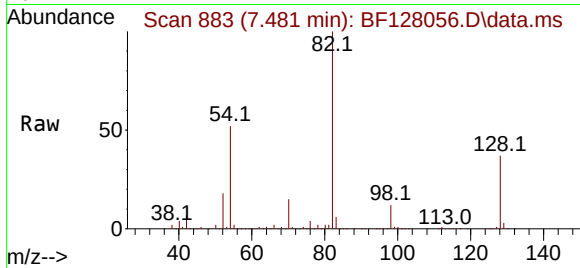




#25
Isophorone
Concen: 43.460 ng
RT: 7.481 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

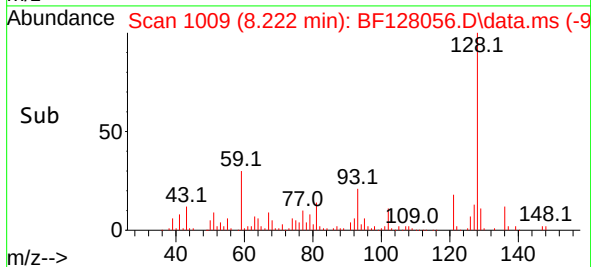
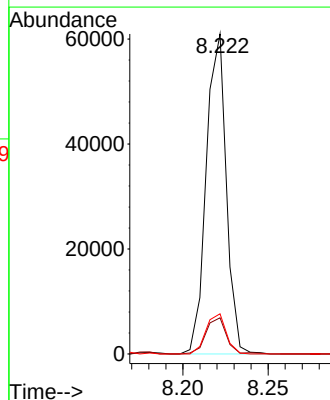
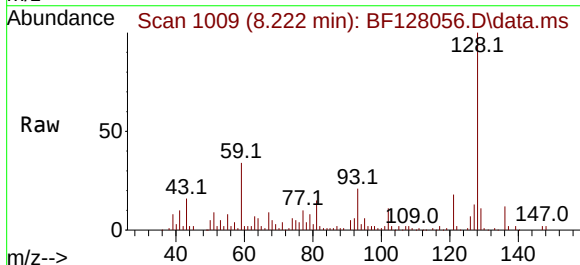
Instrument :
BNA_F
ClientSampleId :
22L097-D

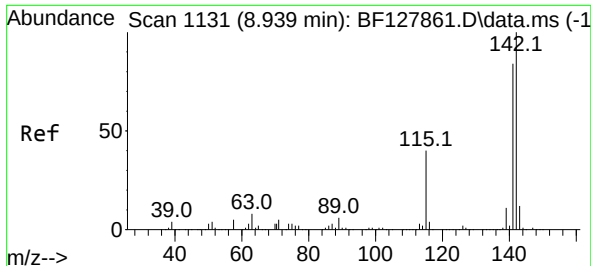
Tgt Ion: 82 Resp: 533590
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 2.858 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion: 128 Resp: 49925
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 12.5 10.6 16.0

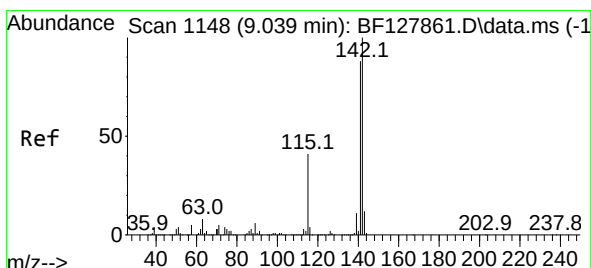
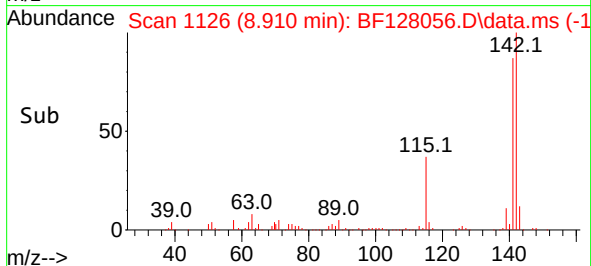
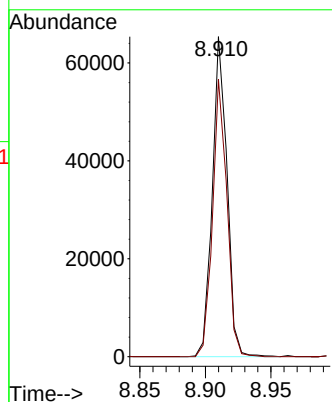
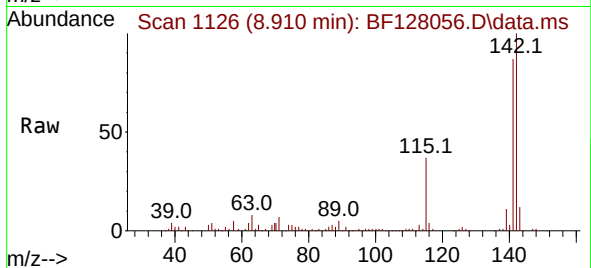




#37
2-Methylnaphthalene
Concen: 4.414 ng
RT: 8.910 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

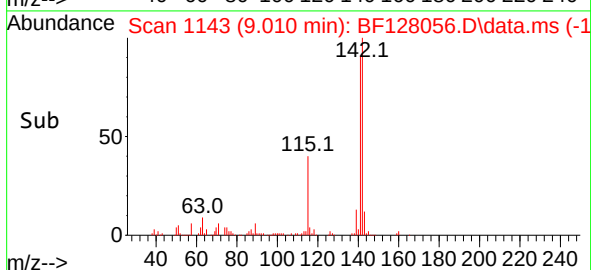
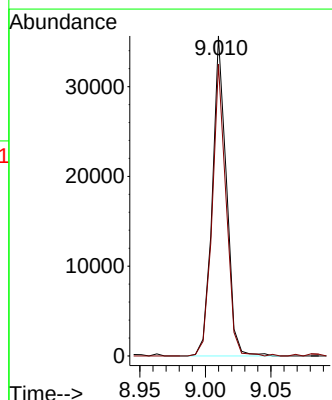
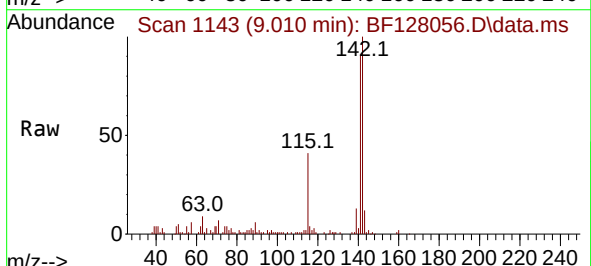
Instrument :
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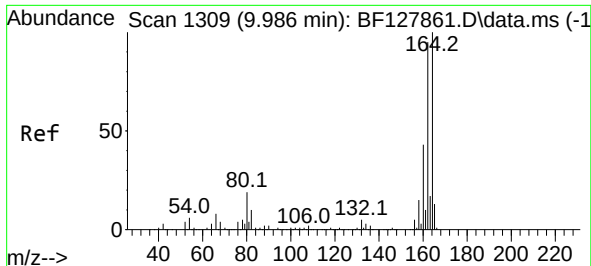
Tgt Ion:142 Resp: 50963
Ion Ratio Lower Upper
142 100
141 86.7 67.4 101.2



#38
1-Methylnaphthalene
Concen: 2.375 ng
RT: 9.010 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion:142 Resp: 26652
Ion Ratio Lower Upper
142 100
141 91.2 70.1 105.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

Instrument :

BNA_F

ClientSampleId :

22L097-D

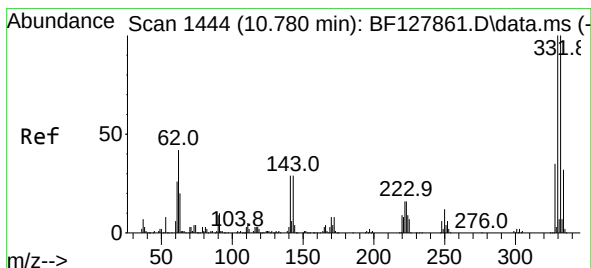
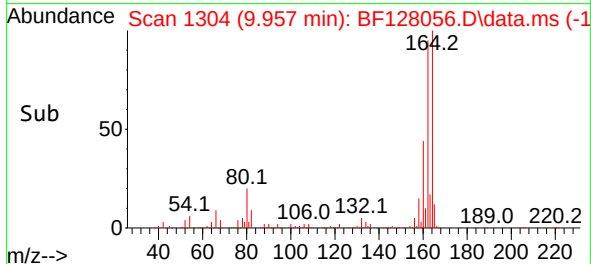
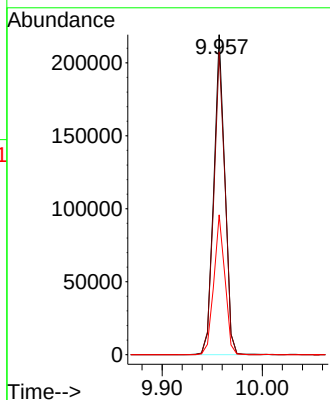
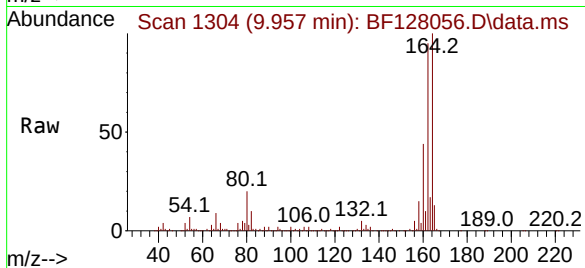
Tgt Ion:164 Resp: 167591

Ion Ratio Lower Upper

164 100

162 94.6 76.0 114.0

160 43.7 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 1.149 ng

RT: 10.745 min Scan# 1438

Delta R.T. -0.012 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

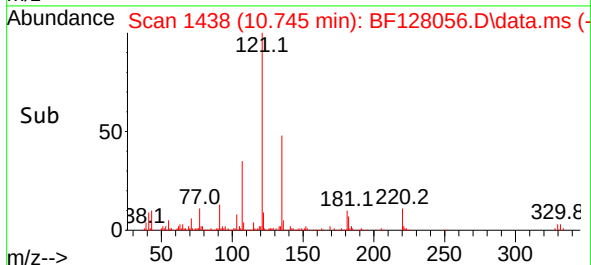
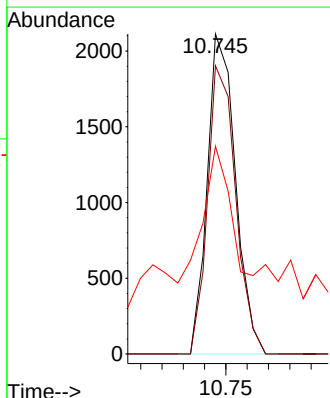
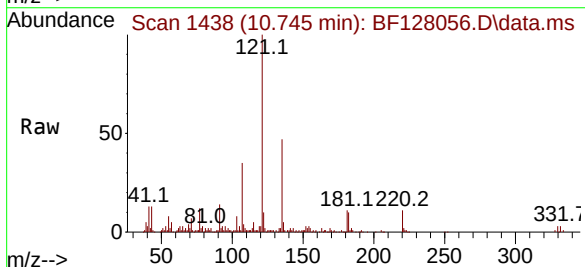
Tgt Ion:330 Resp: 1939

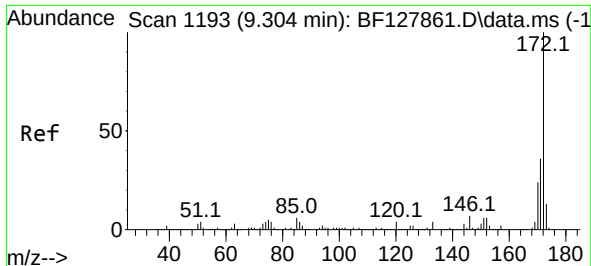
Ion Ratio Lower Upper

330 100

332 90.3 79.0 118.4

141 39.8 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 84.901 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

Instrument :

BNA_F

ClientSampleId :

22L097-D

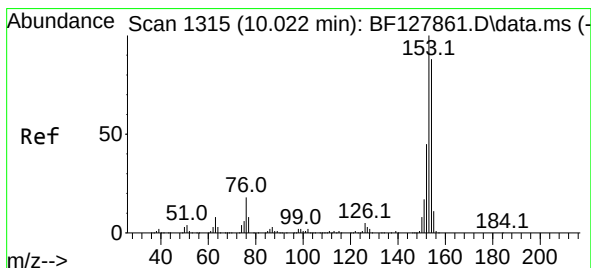
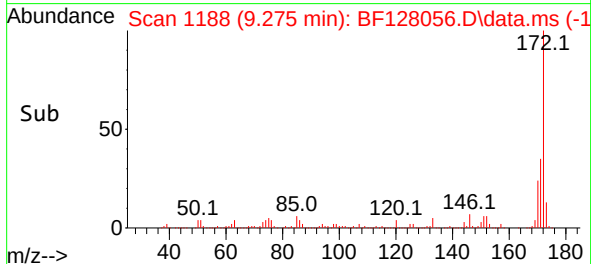
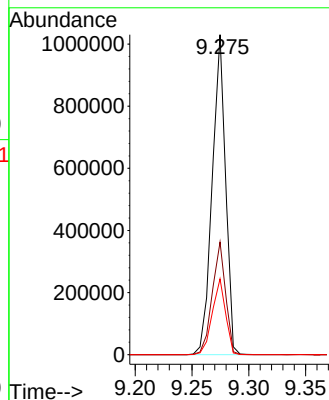
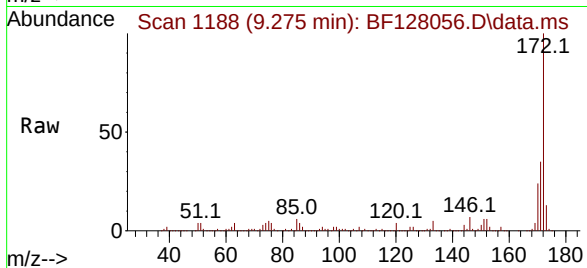
Tgt Ion:172 Resp: 841066

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.7 19.1 28.7



#52

Acenaphthene

Concen: 2.674 ng

RT: 9.992 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

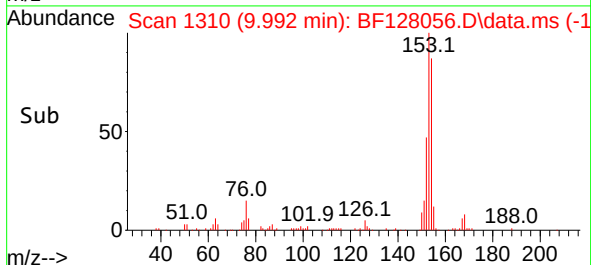
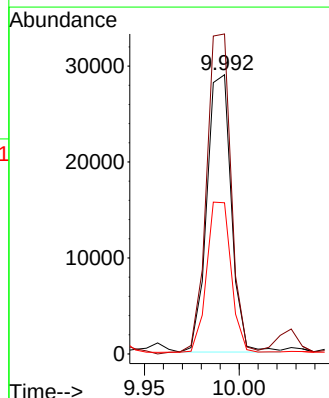
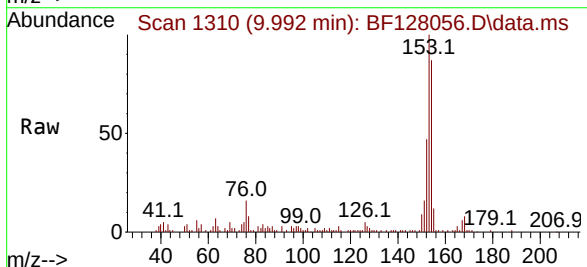
Tgt Ion:154 Resp: 25991

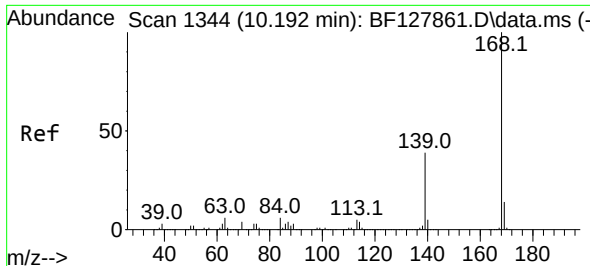
Ion Ratio Lower Upper

154 100

153 114.6 90.5 135.7

152 54.1 41.0 61.6

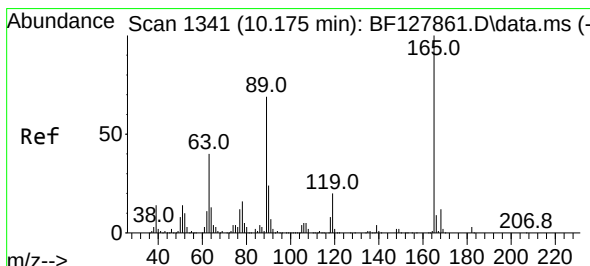
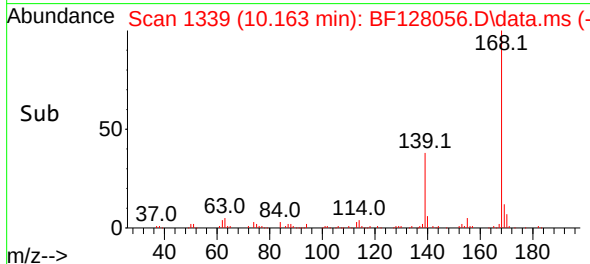
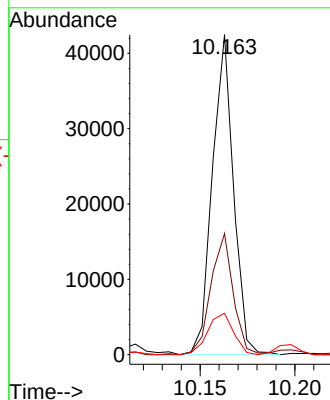
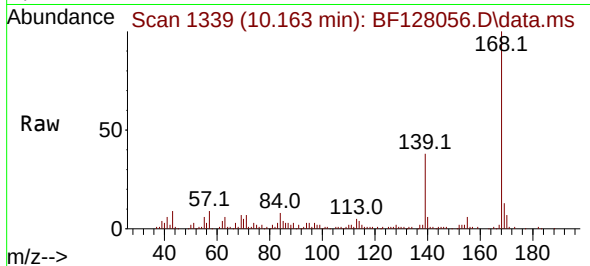




#55
Dibenzenofuran
Concen: 2.346 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

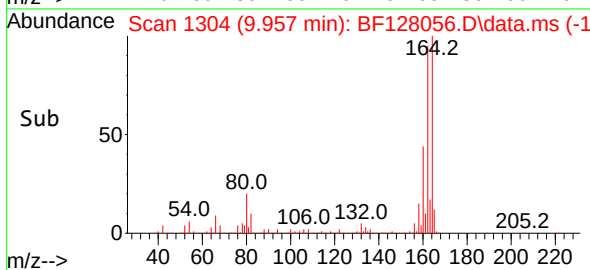
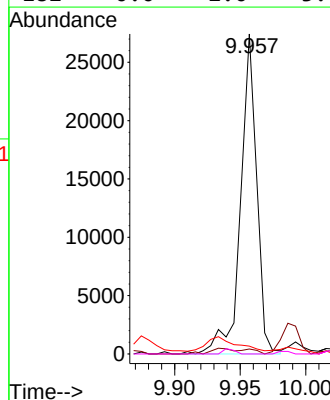
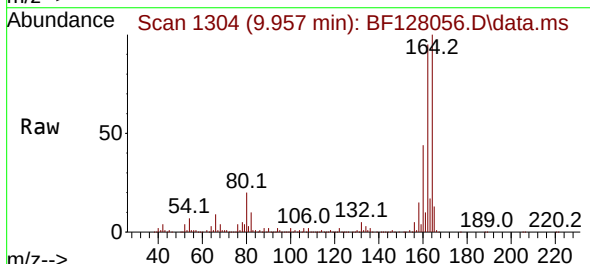
Instrument :
BNA_F
ClientSampleId :
22L097-D

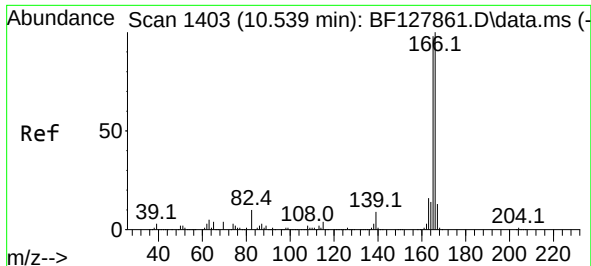
Tgt Ion:168 Resp: 32899
Ion Ratio Lower Upper
168 100
139 37.8 31.7 47.5
169 12.9 10.9 16.3



#57
2,4-Dinitrotoluene
Concen: 7.307 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion:165 Resp: 23553
Ion Ratio Lower Upper
165 100
63 1.5 32.6 49.0#
89 2.5 55.2 82.8#
182 0.0 2.0 3.0#

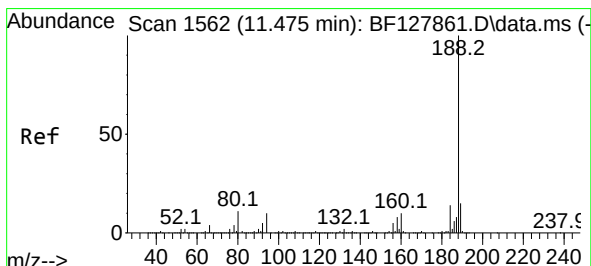
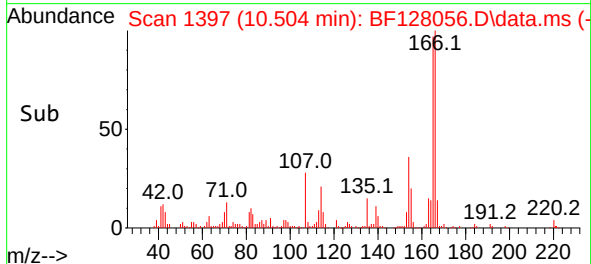
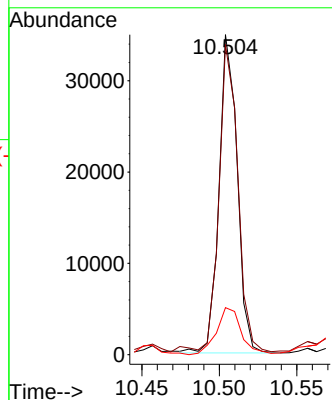
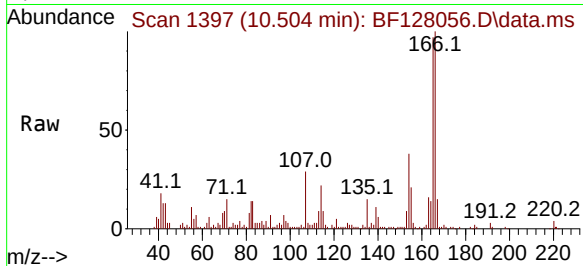




#58
Fluorene
Concen: 2.718 ng
RT: 10.504 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

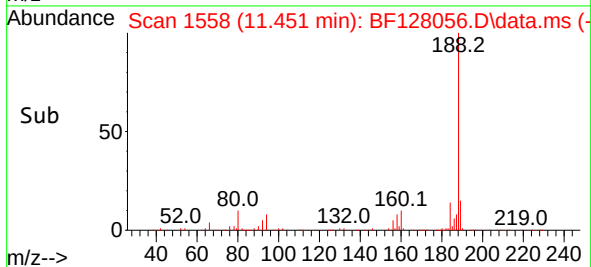
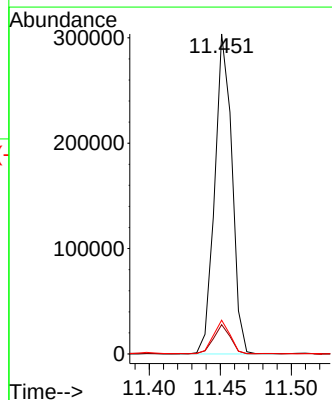
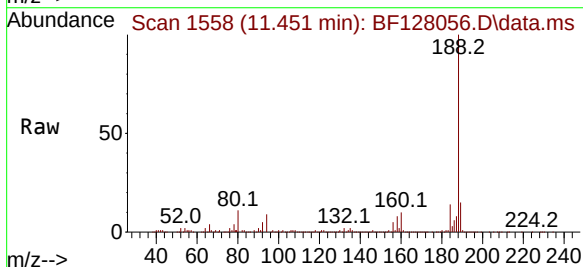
Instrument :
BNA_F
ClientSampleId :
22L097-D

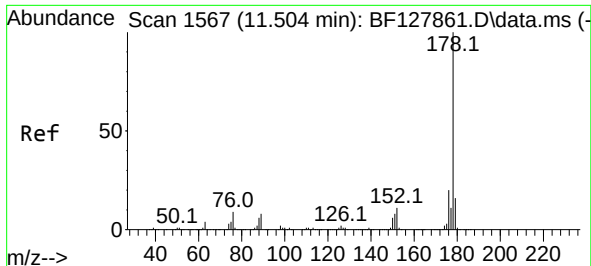
Tgt Ion:166 Resp: 28441
Ion Ratio Lower Upper
166 100
165 96.9 78.6 117.8
167 14.7 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion:188 Resp: 256560
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.6 8.9 13.3

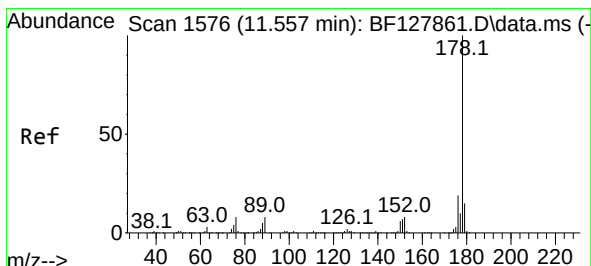
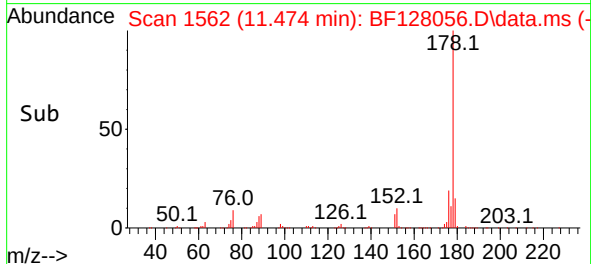
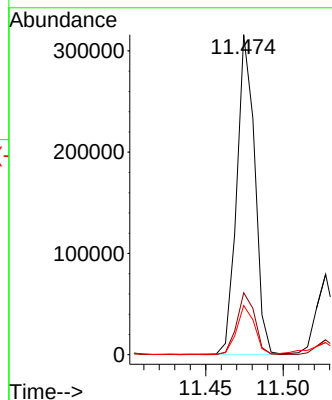
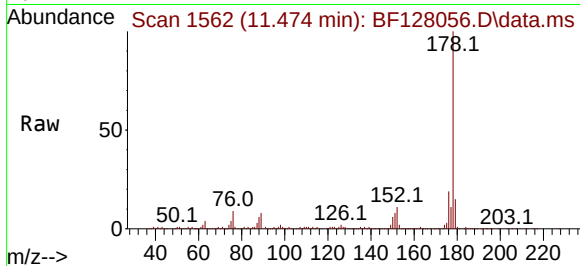




#71
Phenanthrene
Concen: 18.951 ng
RT: 11.474 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

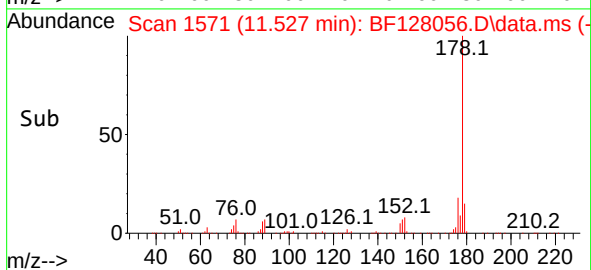
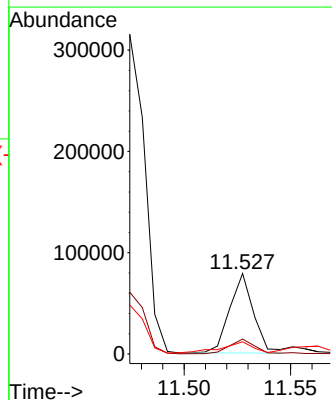
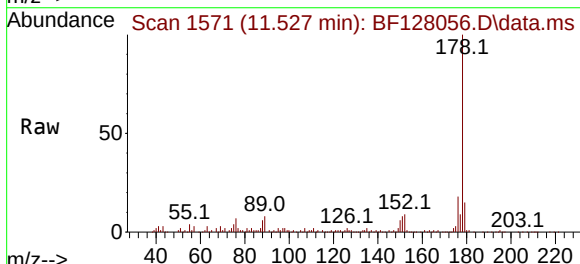
Instrument :
BNA_F
ClientSampleId :
22L097-D

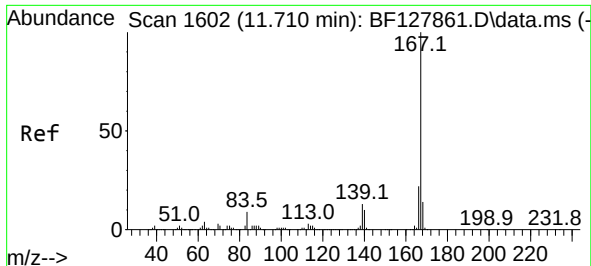
Tgt Ion:178 Resp: 254514
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.4 12.6 19.0



#72
Anthracene
Concen: 4.578 ng
RT: 11.527 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion:178 Resp: 61241
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.0 12.4 18.6

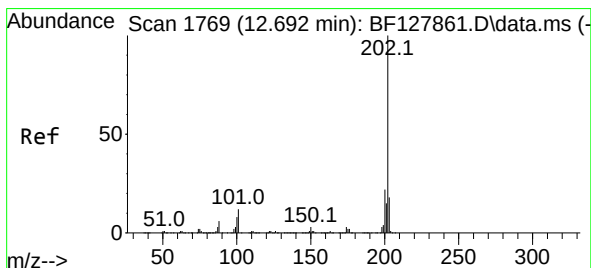
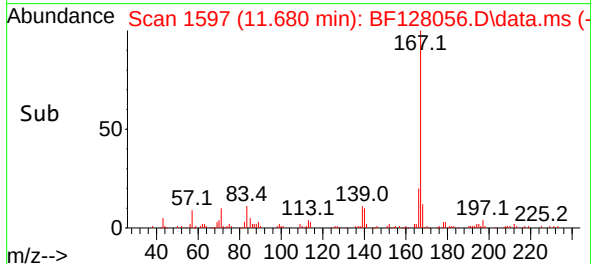
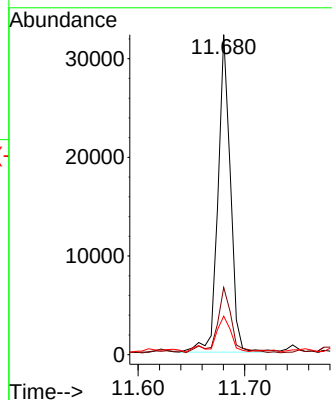
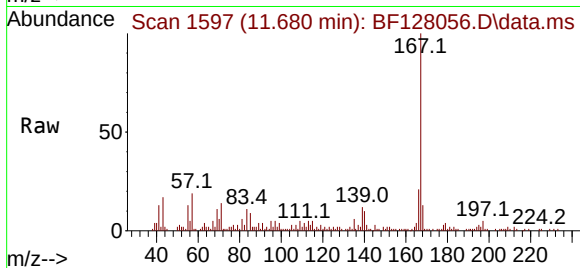




#73
 Carbazole
 Concen: 2.016 ng
 RT: 11.680 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128056.D
 Acq: 03 May 2022 20:09

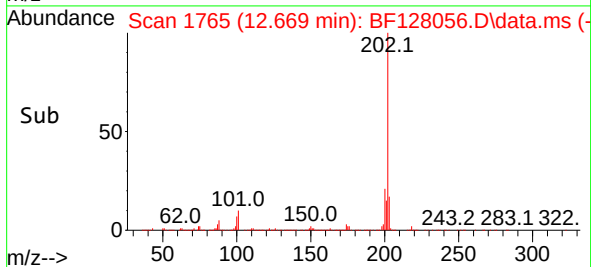
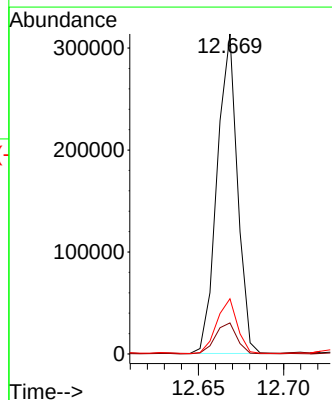
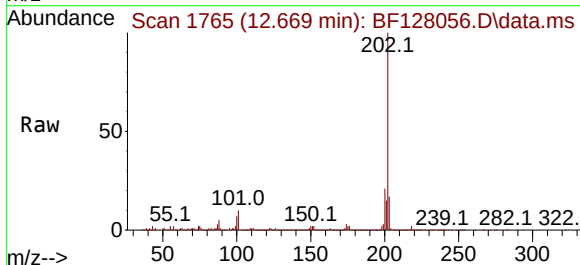
Instrument :
 BNA_F
 ClientSampleId :
 22L097-D

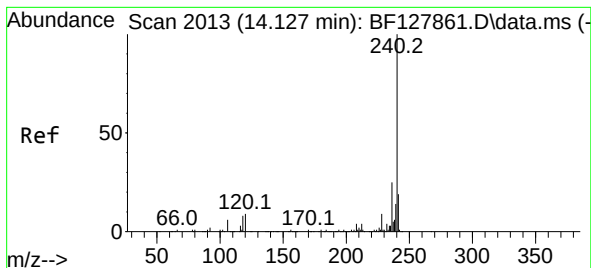
Tgt Ion:167 Resp: 25989
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.6 26.4
 139 12.1 10.7 16.1



#75
 Fluoranthene
 Concen: 18.401 ng
 RT: 12.669 min Scan# 1765
 Delta R.T. -0.006 min
 Lab File: BF128056.D
 Acq: 03 May 2022 20:09

Tgt Ion:202 Resp: 260079
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.6
 203 17.2 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: BF128056.D

Acq: 03 May 2022 20:09

Instrument :

BNA_F

ClientSampleId :

22L097-D

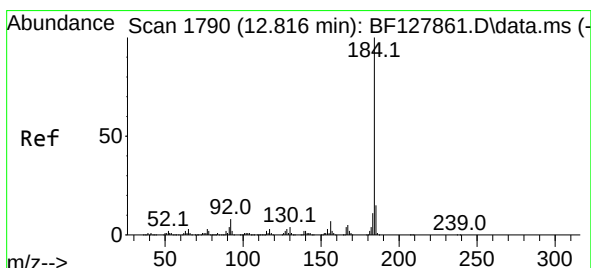
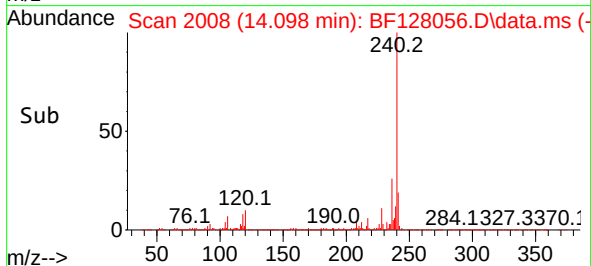
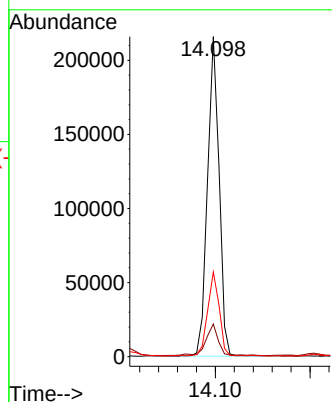
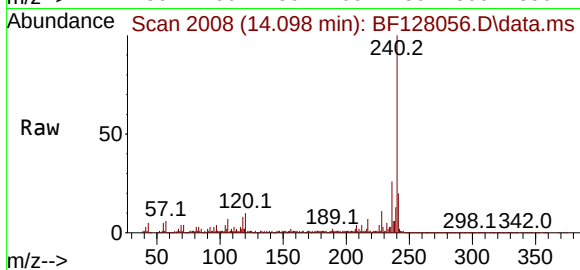
Tgt Ion:240 Resp: 183335

Ion Ratio Lower Upper

240 100

120 10.2 7.0 10.6

236 26.5 20.3 30.5



#77

Benzidine

Concen: 2.868 ng

RT: 12.786 min Scan# 1785

Delta R.T. -0.006 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

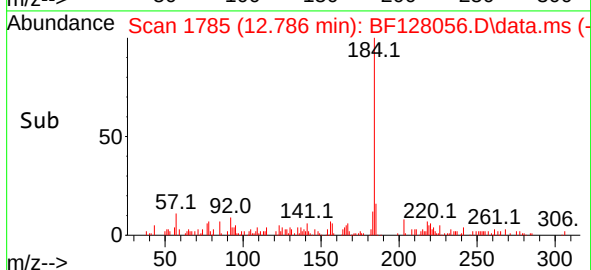
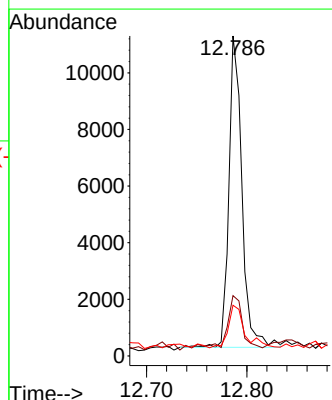
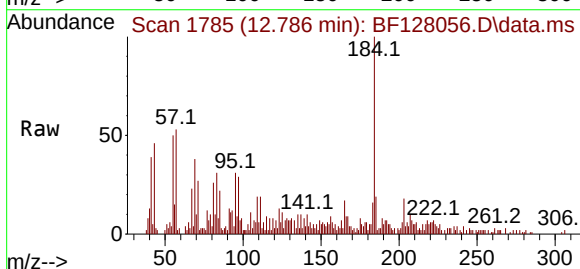
Tgt Ion:184 Resp: 9950

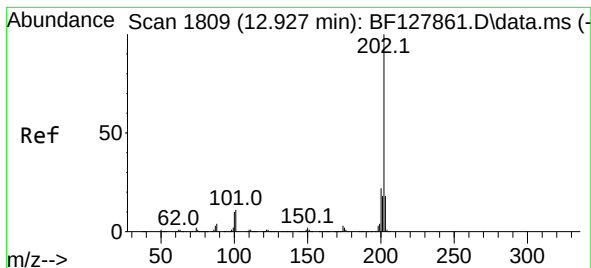
Ion Ratio Lower Upper

184 100

185 18.8 12.1 18.1#

183 15.8 9.0 13.4#





#78

Pyrene

Concen: 16.085 ng

RT: 12.898 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

Instrument :

BNA_F

ClientSampleId :

22L097-D

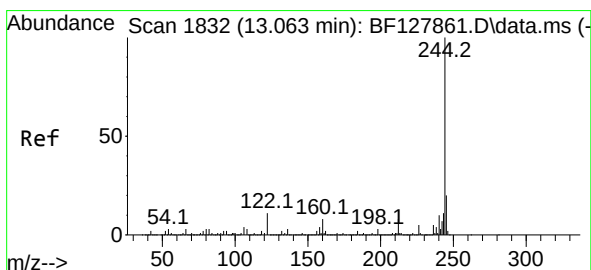
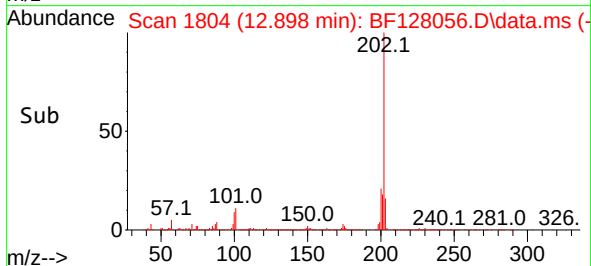
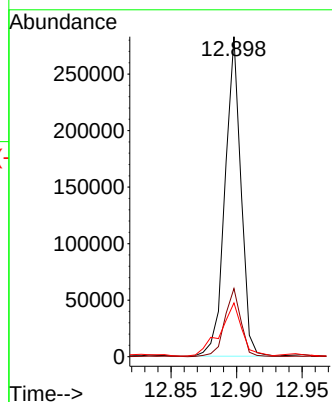
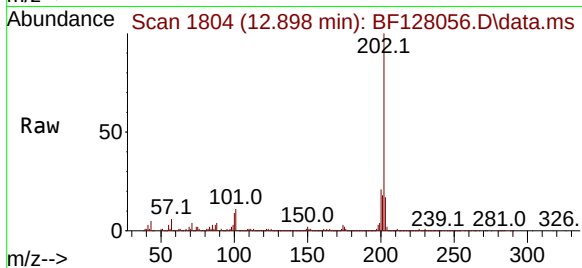
Tgt Ion:202 Resp: 238048

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

203 16.8 14.0 21.0



#79

Terphenyl-d14

Concen: 71.373 ng

RT: 13.039 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

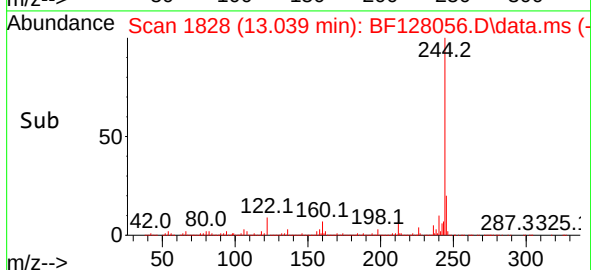
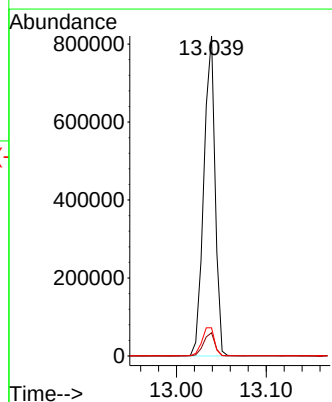
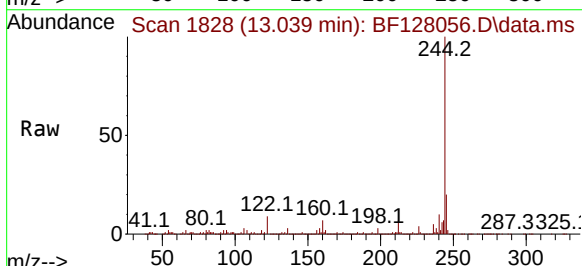
Tgt Ion:244 Resp: 715602

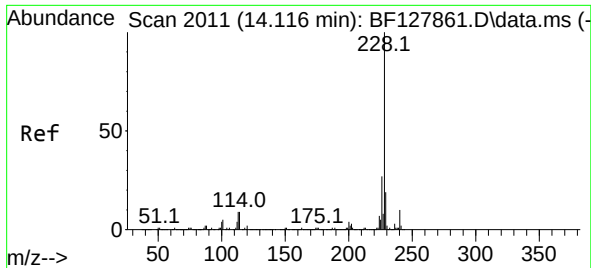
Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.4

122 8.8 8.6 12.8

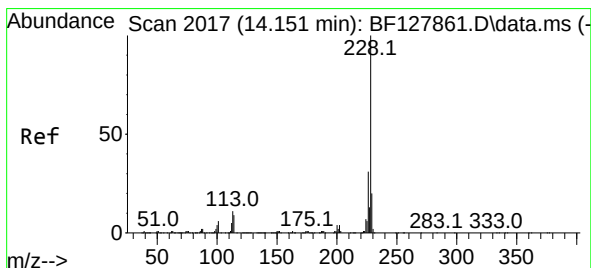
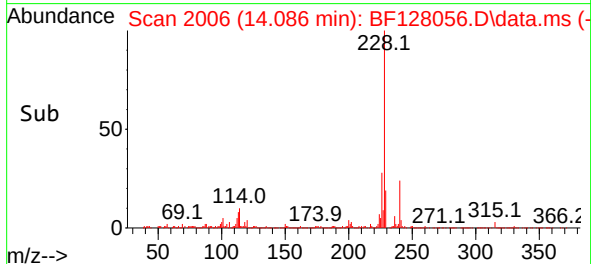
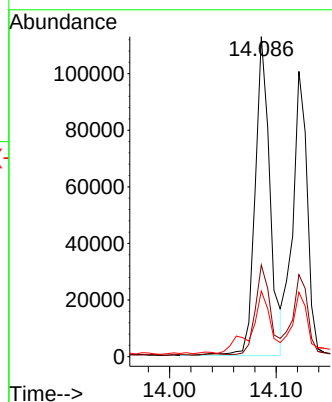
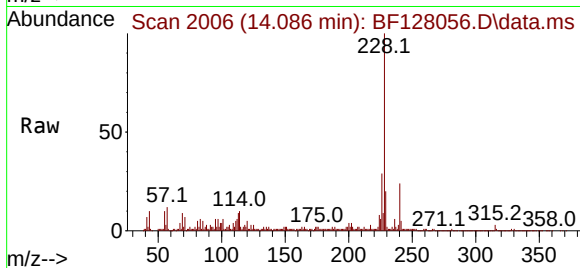




#81
Benzo(a)anthracene
Concen: 8.926 ng
RT: 14.086 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

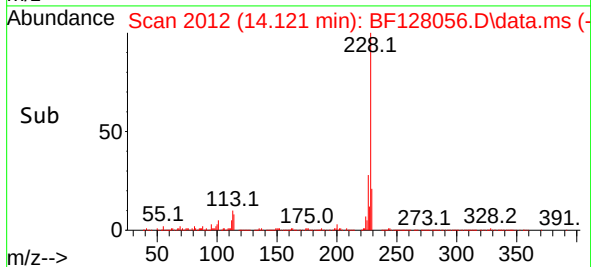
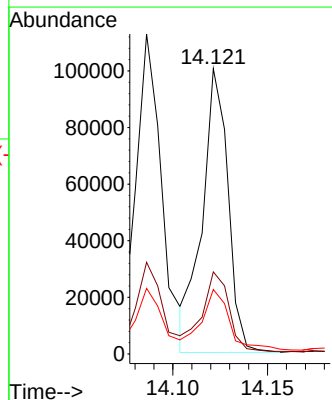
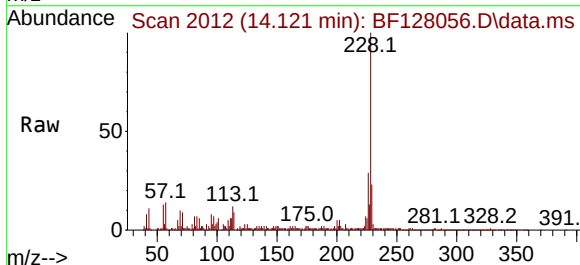
Instrument :
BNA_F
ClientSampleId :
22L097-D

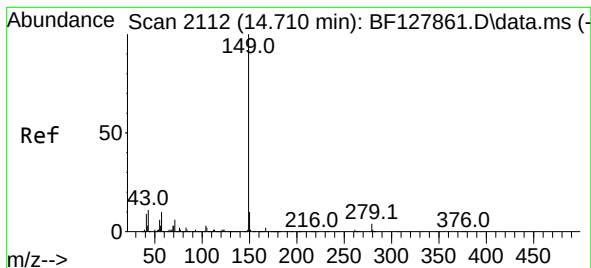
Tgt Ion:228 Resp: 109076
Ion Ratio Lower Upper
228 100
226 28.7 21.7 32.5
229 20.5 15.4 23.2



#83
Chrysene
Concen: 8.126 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion:228 Resp: 94829
Ion Ratio Lower Upper
228 100
226 28.8 24.4 36.6
229 22.6 15.8 23.8





#85

Di-n-octyl phthalate

Concen: 2.220 ng

RT: 14.715 min Scan# 2113

Delta R.T. 0.029 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

Instrument :

BNA_F

ClientSampleId :

22L097-D

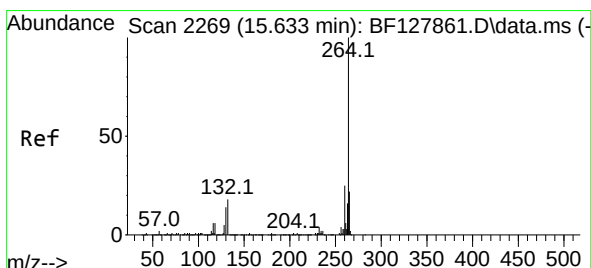
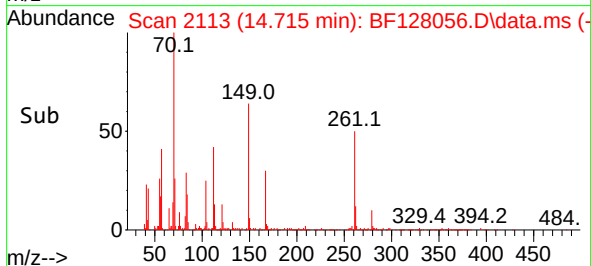
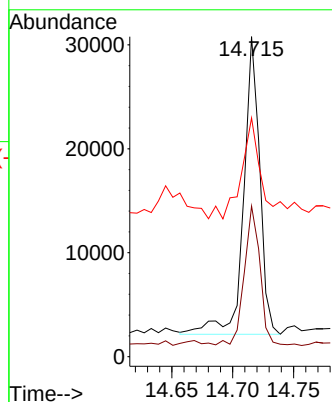
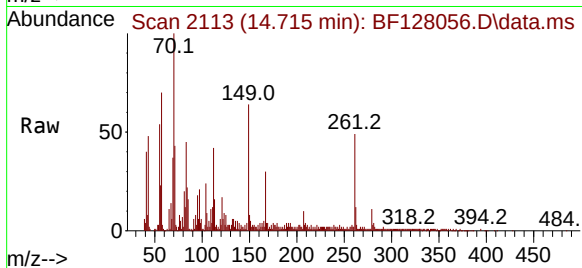
Tgt Ion:149 Resp: 26462

Ion Ratio Lower Upper

149 100

167 45.8 1.3 1.9#

43 48.9 8.9 13.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 2265

Delta R.T. -0.000 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

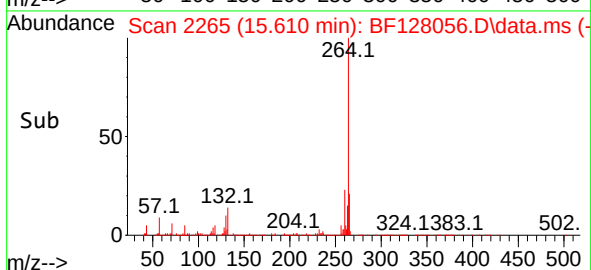
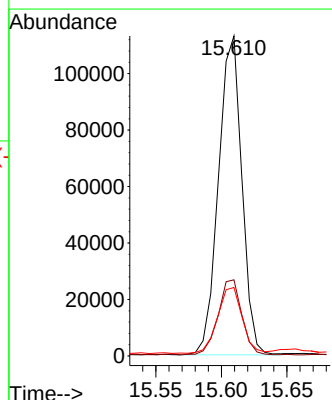
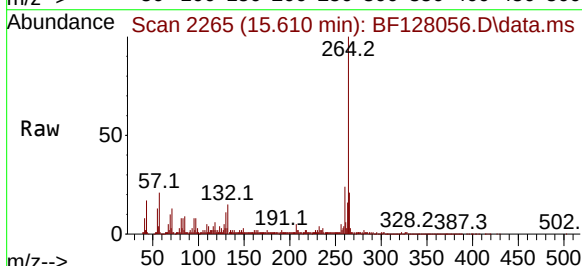
Tgt Ion:264 Resp: 139775

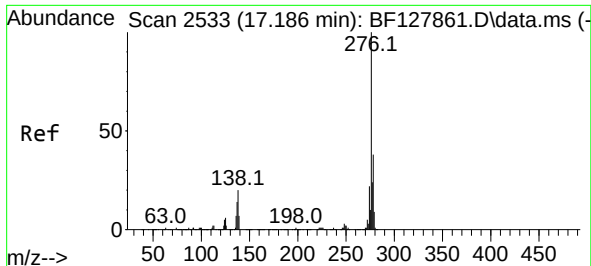
Ion Ratio Lower Upper

264 100

260 23.8 20.1 30.1

265 21.4 17.5 26.3

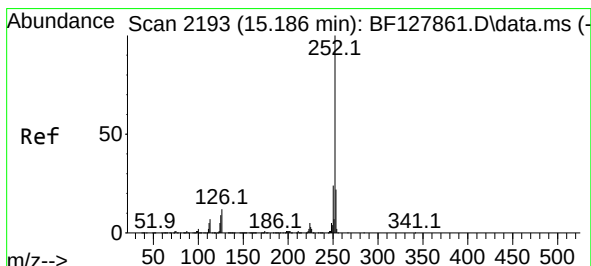
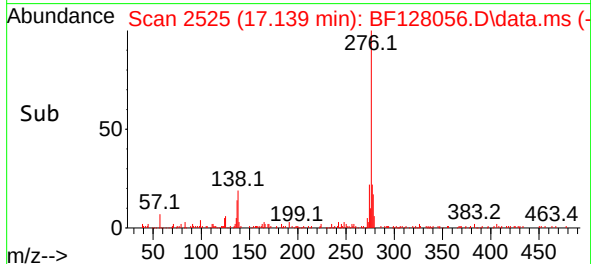
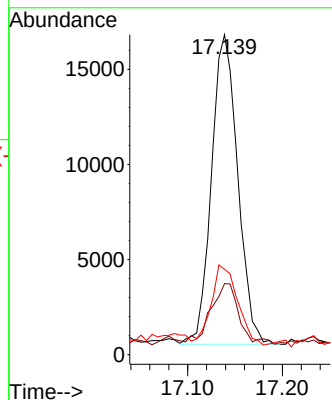
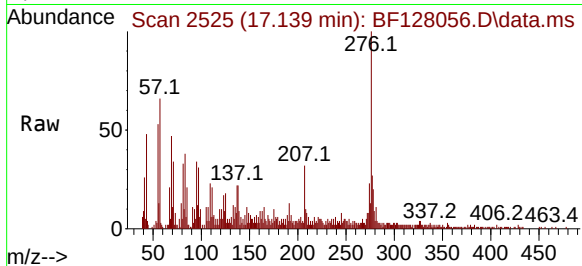




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.359 ng
 RT: 17.139 min Scan# 2188
 Delta R.T. -0.024 min
 Lab File: BF128056.D
 Acq: 03 May 2022 20:09

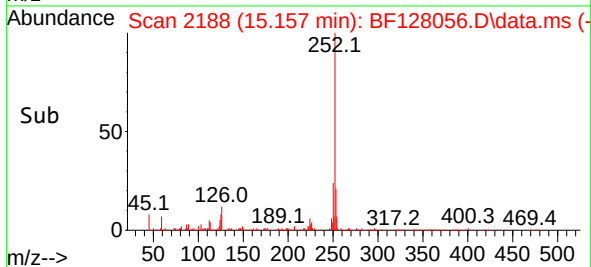
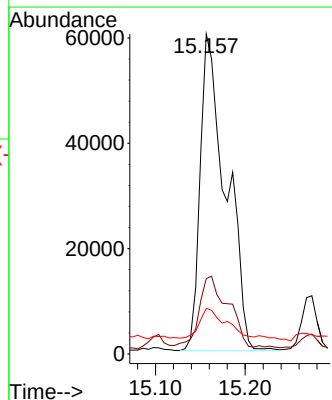
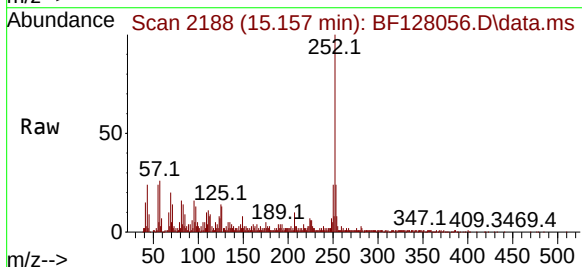
Instrument :
 BNA_F
 ClientSampleId :
 22L097-D

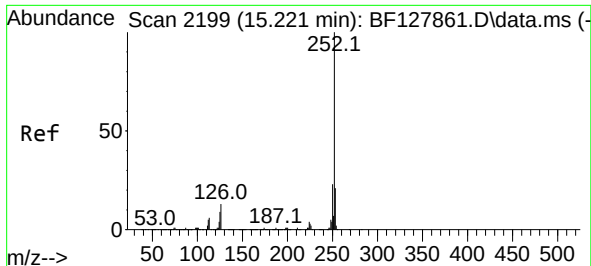
Tgt Ion:276 Resp: 31334
 Ion Ratio Lower Upper
 276 100
 138 18.6 19.0 28.4#
 277 26.1 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 13.655 ng
 RT: 15.157 min Scan# 2188
 Delta R.T. -0.012 min
 Lab File: BF128056.D
 Acq: 03 May 2022 20:09

Tgt Ion:252 Resp: 119876
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.4 26.2
 125 14.3 7.4 11.2#

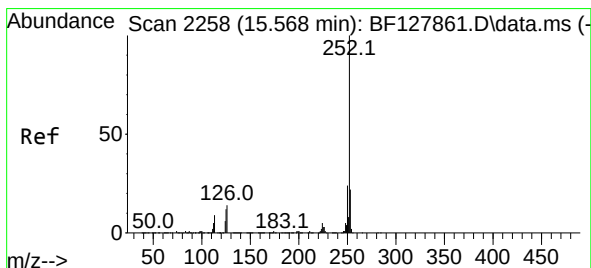
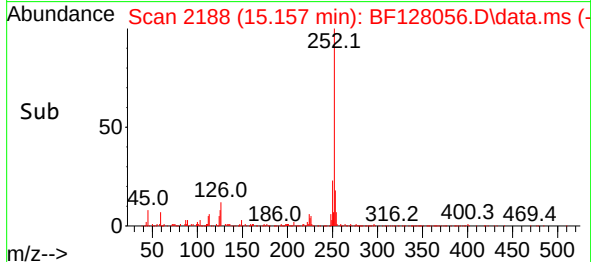
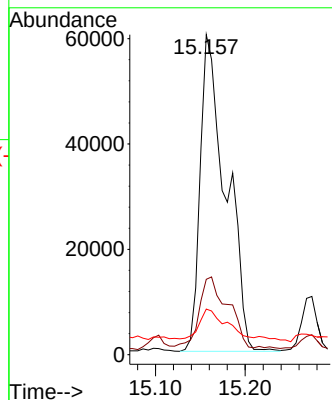
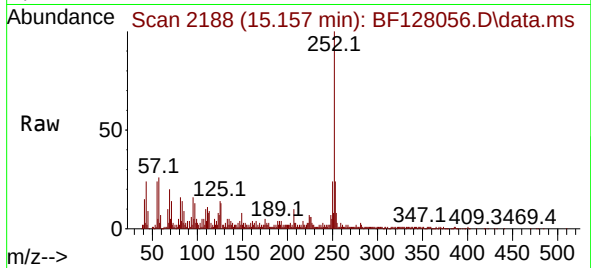




#89
Benzo(k)fluoranthene
Concen: 13.553 ng
RT: 15.157 min Scan# 2199
Delta R.T. -0.041 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

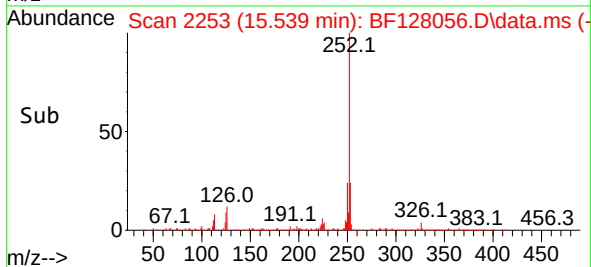
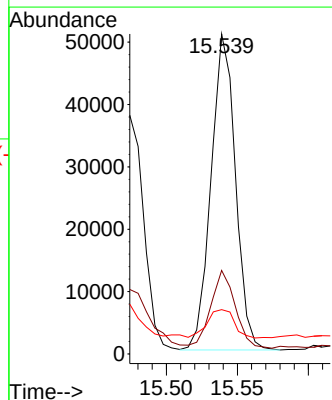
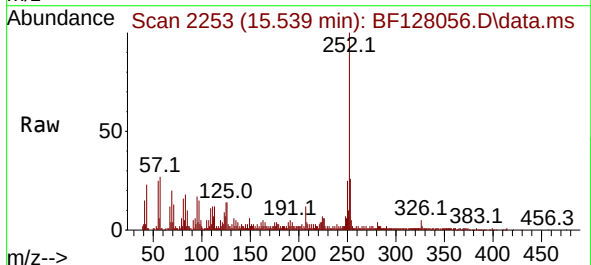
Instrument :
BNA_F
ClientSampleId :
22L097-D

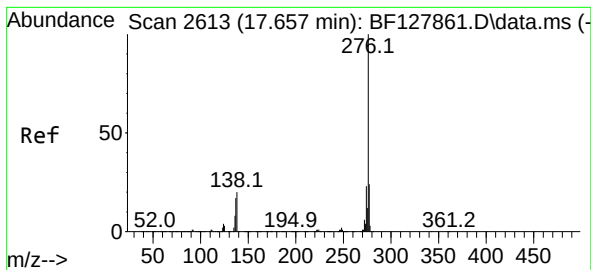
Tgt Ion:252 Resp: 119876
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 14.3 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 8.319 ng
RT: 15.539 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

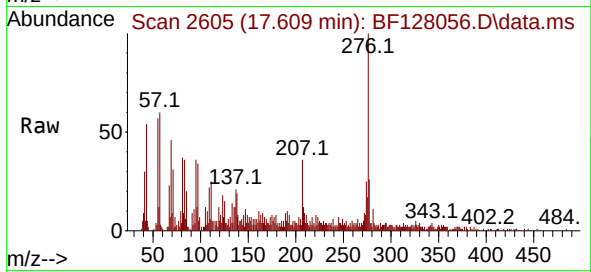
Tgt Ion:252 Resp: 60577
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.6
125 13.9 9.2 13.8#





#92
Benzo(g,h,i)perylene
Concen: 3.811 ng
RT: 17.609 min Scan# 20
Delta R.T. -0.024 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Instrument :
BNA_F
ClientSampleId :
22L097-D



Tgt Ion:276 Resp: 30053
Ion Ratio Lower Upper
276 100
277 25.8 18.8 28.2
138 25.1 16.2 24.2#

