

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
 Data File : BF128057.D
 Acq On : 03 May 2022 20:38
 Operator : CG\JU
 Sample : N2659-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L097-B

Quant Time: May 04 04:28:09 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)

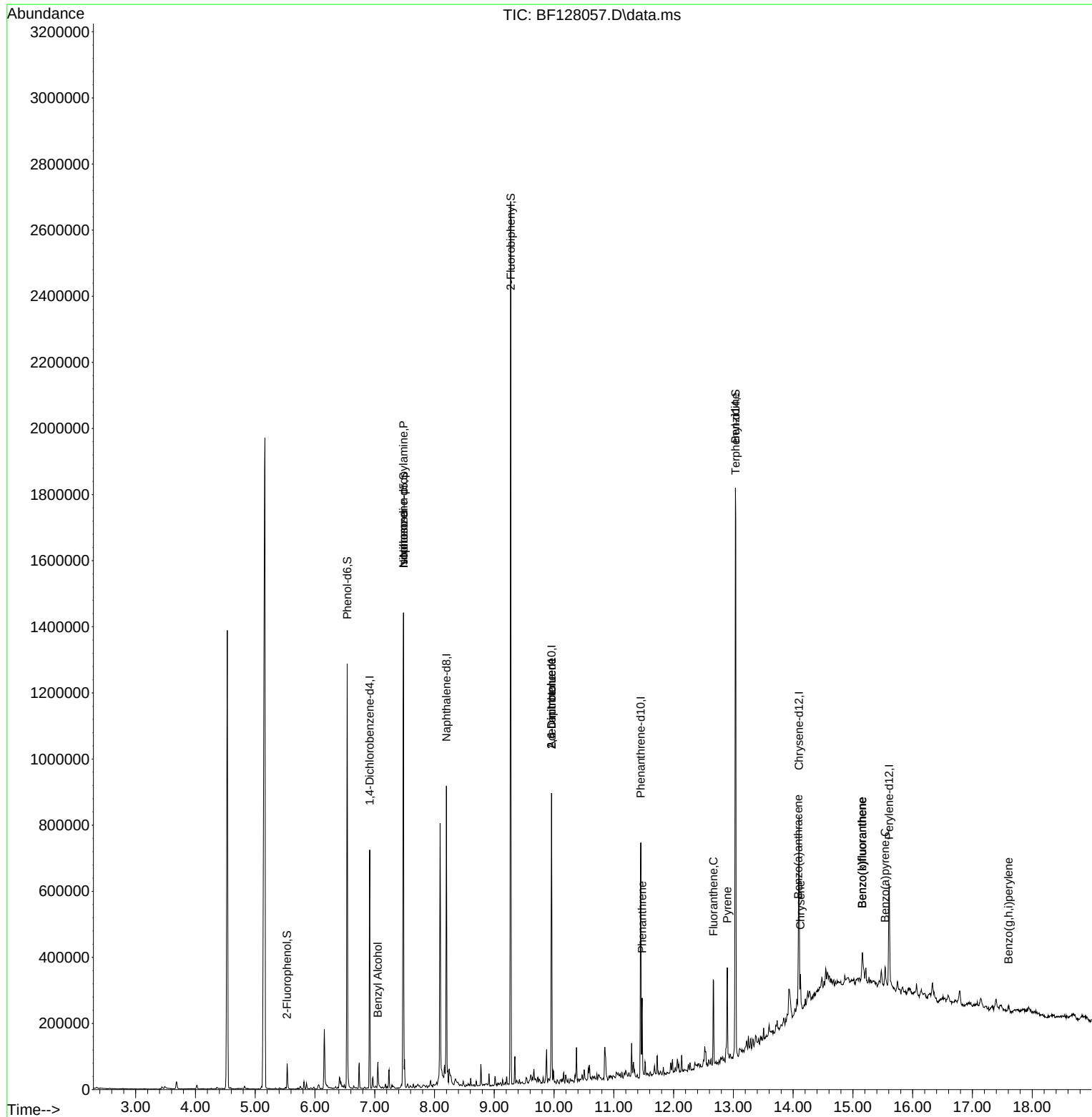
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	89858	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	327888	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	159741	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	242555	20.000	ng	0.00
76) Chrysene-d12	14.098	240	184097	20.000	ng	0.00
86) Perylene-d12	15.604	264	137882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	18944	3.358	ng	0.00
7) Phenol-d6	6.540	99	366617	50.082	ng	-0.01
23) Nitrobenzene-d5	7.481	82	436700	62.629	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	556	0.346	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	693759	73.473	ng	0.00
79) Terphenyl-d14	13.039	244	617613	61.345	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.051	79	16301	3.275	ng	96
19) n-Nitroso-di-n-propyla...	7.481	70	63192	14.102	ng	# 81
25) Isophorone	7.481	82	436694	37.211	ng	# 68
51) 2,6-Dinitrotoluene	9.957	165	21239	9.157	ng	# 22
57) 2,4-Dinitrotoluene	9.957	165	21239	6.913	ng	# 27
71) Phenanthrene	11.475	178	81095	6.387	ng	98
75) Fluoranthene	12.669	202	102648	7.682	ng	95
77) Benzidine	13.033	184	9419	2.704	ng	96
78) Pyrene	12.898	202	94540	6.362	ng	98
81) Benzo(a)anthracene	14.086	228	42888	3.495	ng	94
83) Chrysene	14.121	228	38323	3.270	ng	95
88) Benzo(b)fluoranthene	15.157	252	52675	6.082	ng	# 86
89) Benzo(k)fluoranthene	15.157	252	52675	6.037	ng	# 84
90) Benzo(a)pyrene	15.539	252	26931	3.749	ng	# 86
92) Benzo(g,h,i)perylene	17.604	276	15833	2.035	ng	94

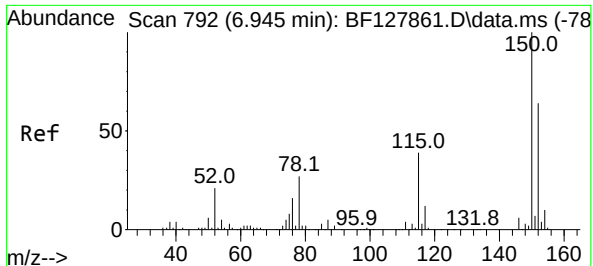
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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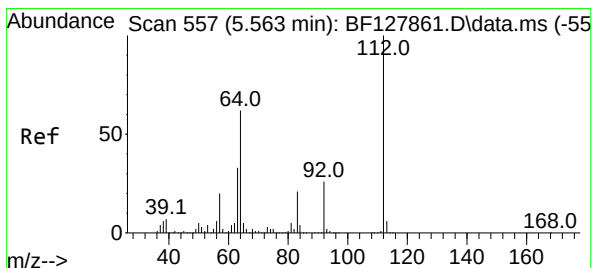
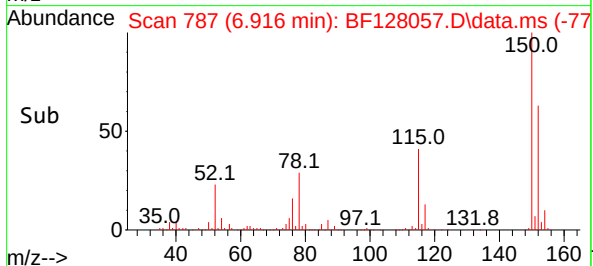
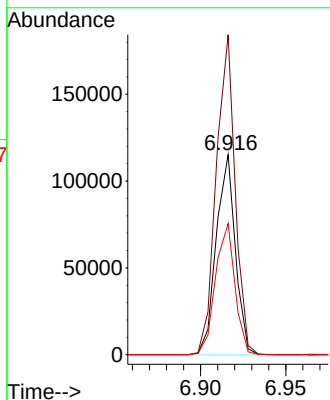
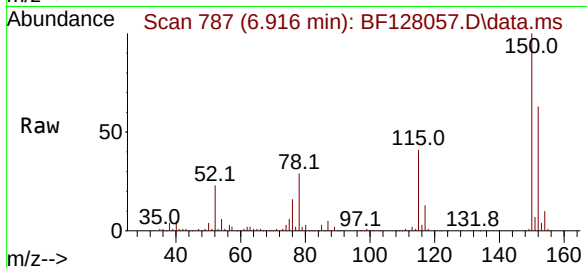




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

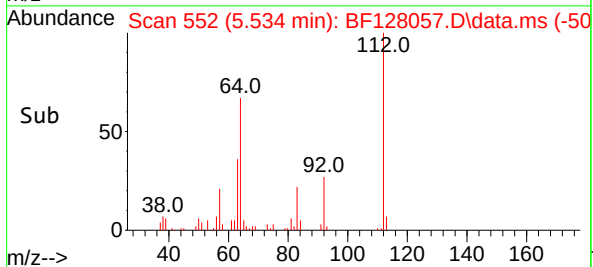
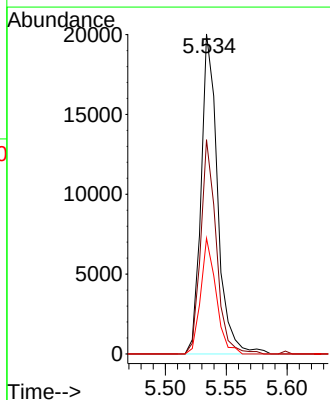
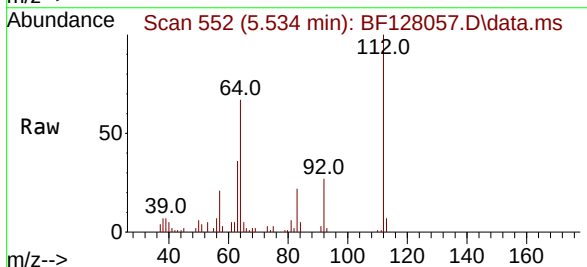
Instrument :
BNA_F
ClientSampleId :
22L097-B

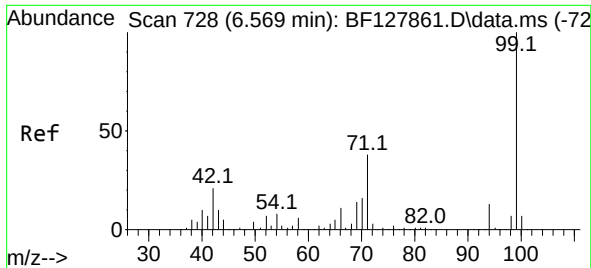
Tgt Ion:152 Resp: 89858
Ion Ratio Lower Upper
152 100
150 160.0 125.3 187.9
115 65.6 48.8 73.2



#5
2-Fluorophenol
Concen: 3.358 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

Tgt Ion:112 Resp: 18944
Ion Ratio Lower Upper
112 100
64 67.0 49.5 74.3
63 36.1 26.3 39.5

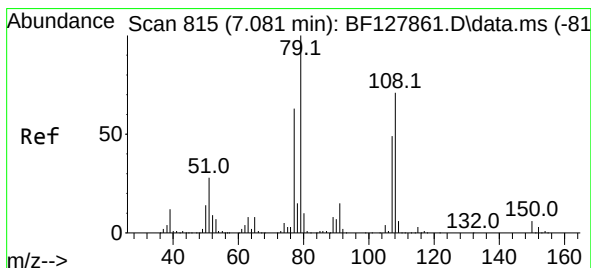
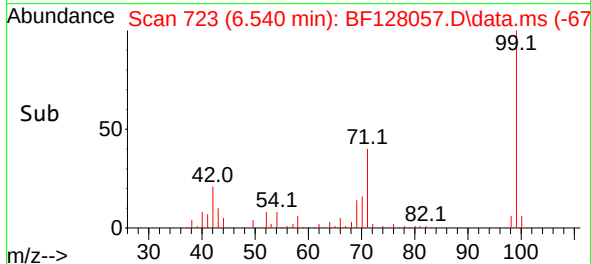
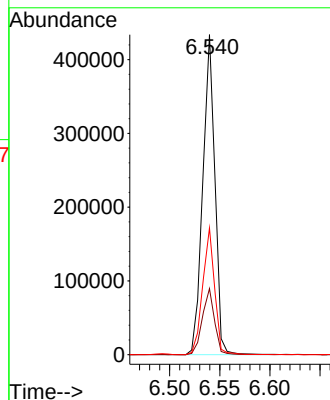
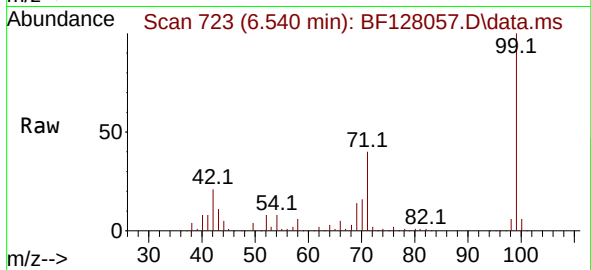




#7
Phenol-d6
Concen: 50.082 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

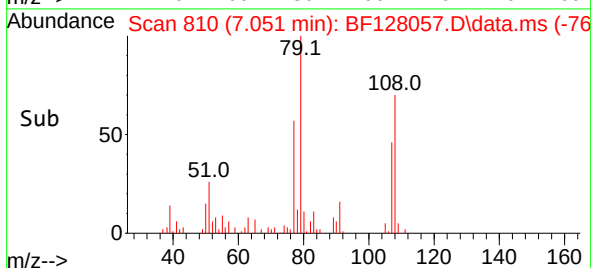
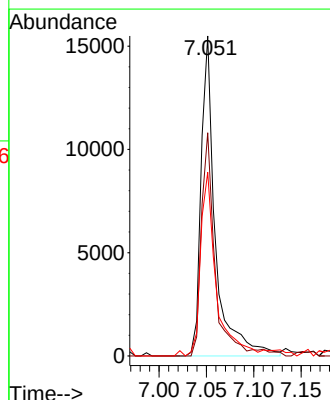
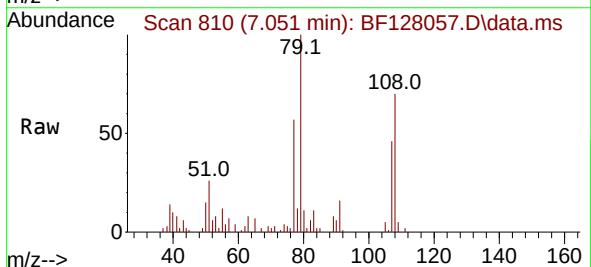
Instrument :
BNA_F
ClientSampleId :
22L097-B

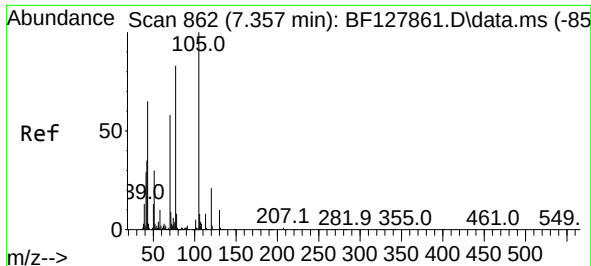
Tgt Ion: 99 Resp: 366617
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 39.6 30.0 45.0



#15
Benzyl Alcohol
Concen: 3.275 ng
RT: 7.051 min Scan# 810
Delta R.T. -0.012 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

Tgt Ion: 79 Resp: 16301
Ion Ratio Lower Upper
79 100
108 69.7 57.0 85.6
77 57.4 50.2 75.4

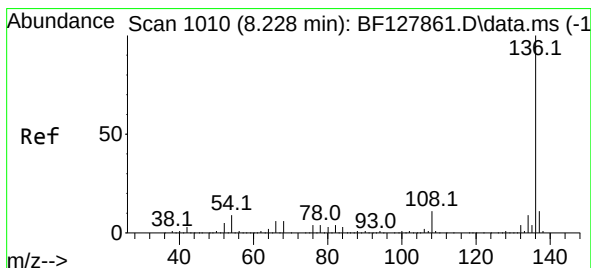
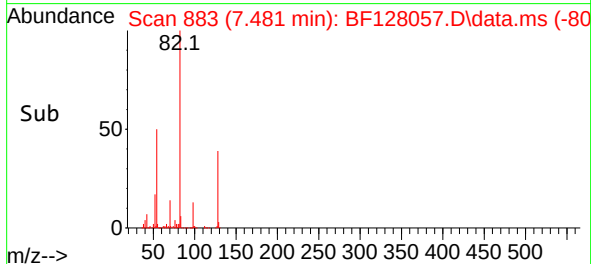
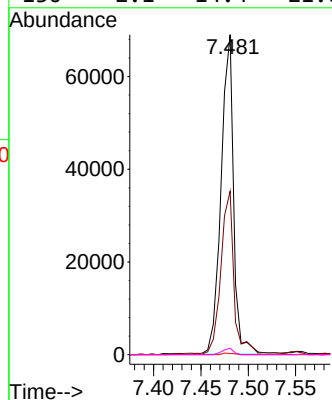
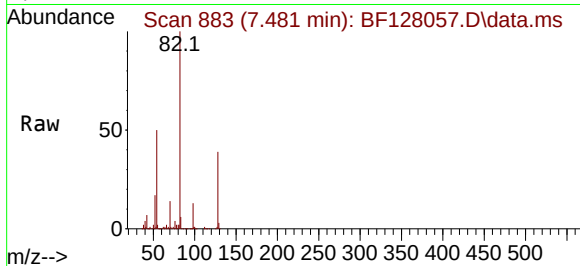




#19
n-Nitroso-di-n-propylamine
Concen: 14.102 ng
RT: 7.481 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

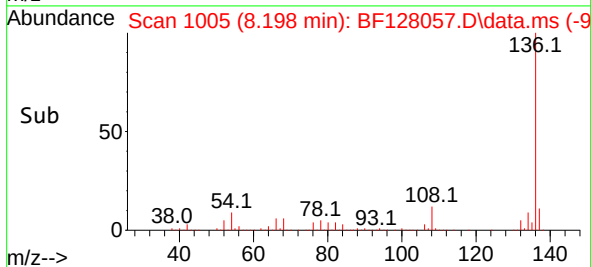
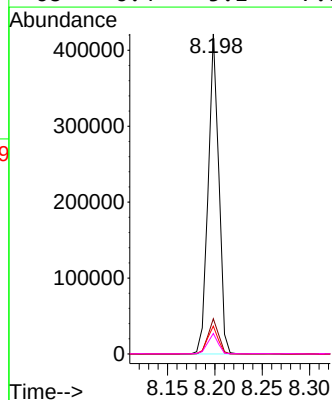
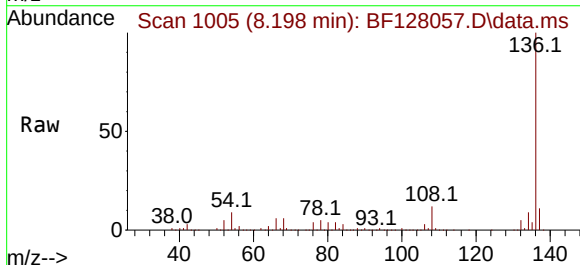
Instrument :
BNA_F
ClientSampleId :
22L097-B

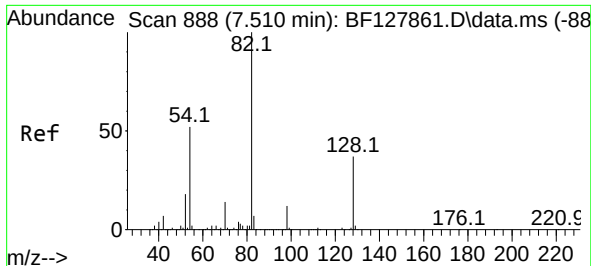
Tgt Ion: 70	Resp: 63192
Ion Ratio	Lower Upper
70 100	
42 51.1	48.7 73.1
101 0.4	7.2 10.8#
130 2.1	14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

Tgt Ion: 136	Resp: 327888
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 8.7	6.8 10.2
68 6.4	5.1 7.7





#23

Nitrobenzene-d5

Concen: 62.629 ng

RT: 7.481 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

Instrument :

BNA_F

ClientSampleId :

22L097-B

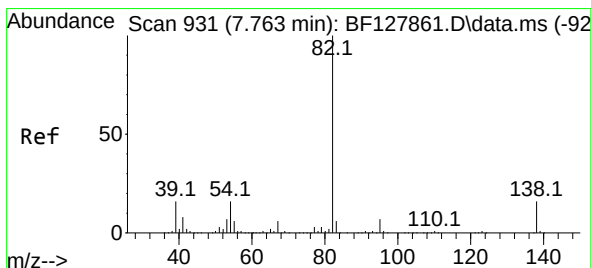
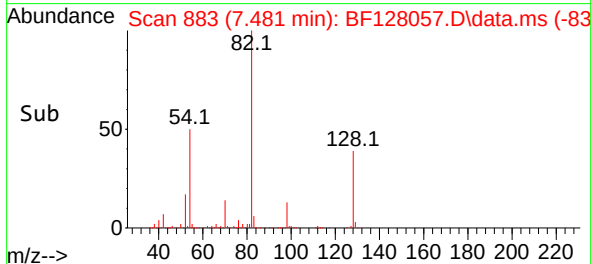
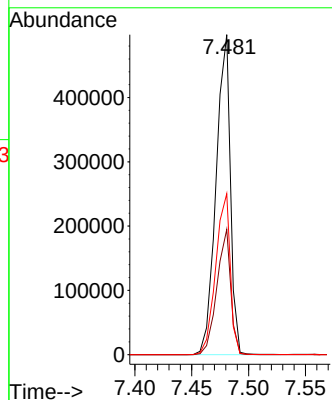
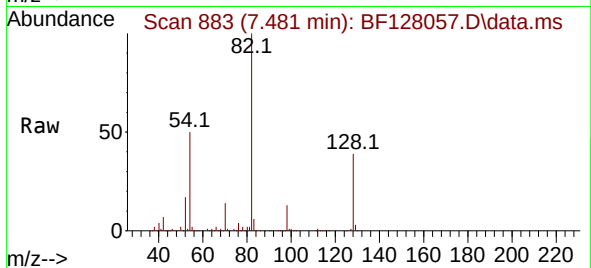
Tgt Ion: 82 Resp: 436700

Ion Ratio Lower Upper

82 100

128 39.1 30.0 45.0

54 50.3 41.3 61.9



#25

Isophorone

Concen: 37.211 ng

RT: 7.481 min Scan# 883

Delta R.T. -0.259 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

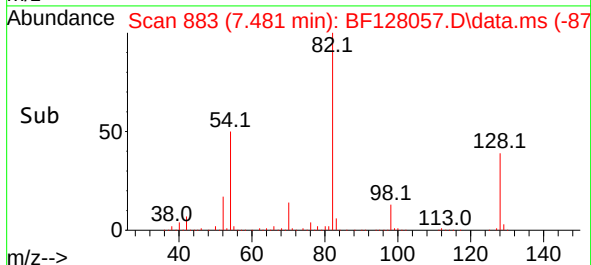
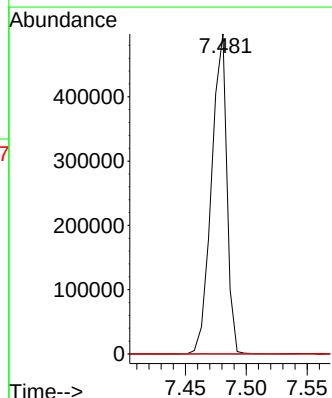
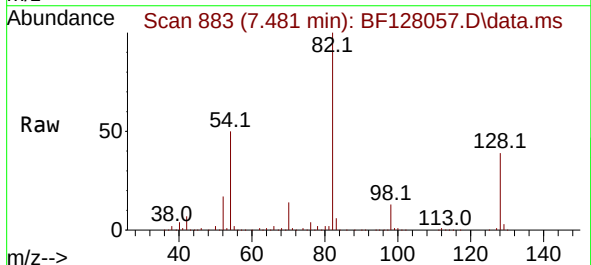
Tgt Ion: 82 Resp: 436694

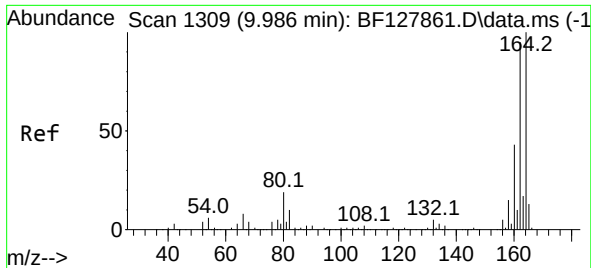
Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 12.5 18.7#

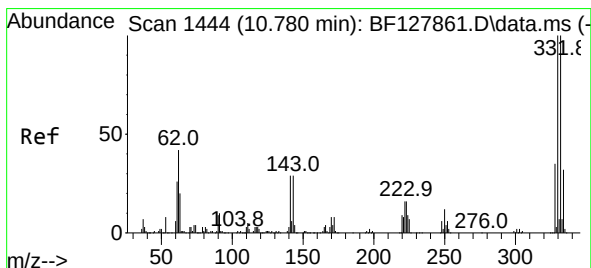
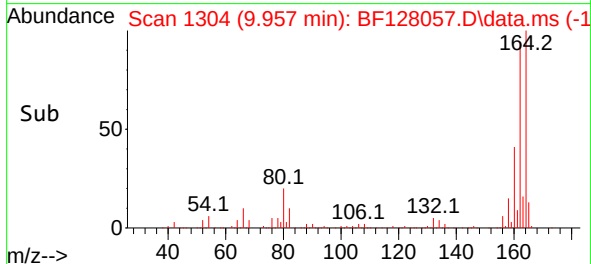
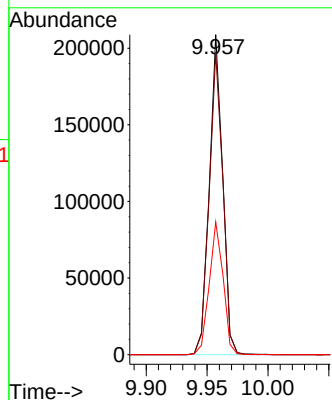
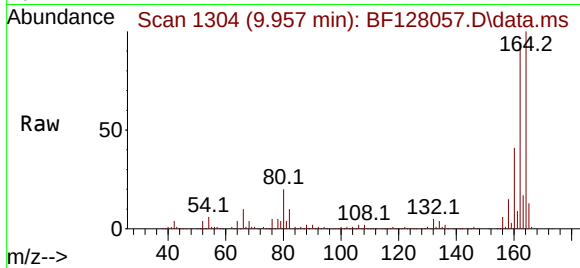




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

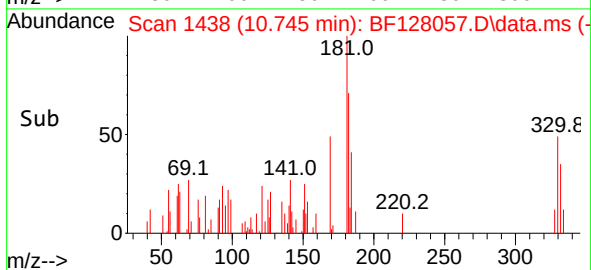
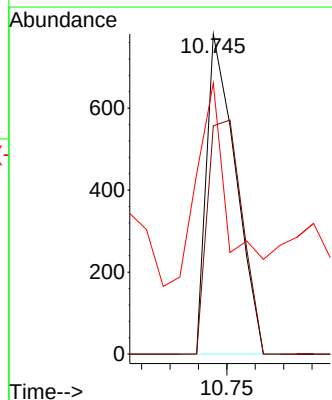
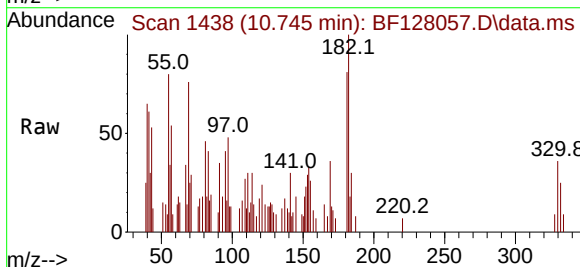
Instrument :
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ClientSampleId :
22L097-B

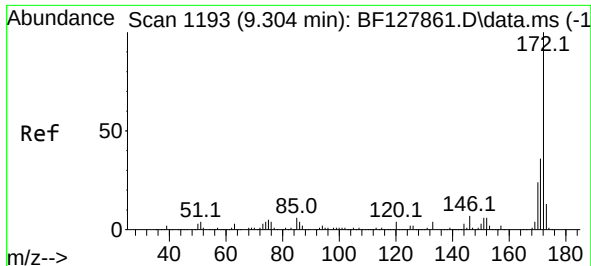
Tgt Ion:164 Resp: 159741
Ion Ratio Lower Upper
164 100
162 94.4 76.0 114.0
160 41.5 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 0.346 ng
RT: 10.745 min Scan# 1438
Delta R.T. -0.012 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

Tgt Ion:330 Resp: 556
Ion Ratio Lower Upper
330 100
332 87.8 79.0 118.4
141 66.9 28.9 43.3#





#45

2-Fluorobiphenyl

Concen: 73.473 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

Instrument :

BNA_F

ClientSampleId :

22L097-B

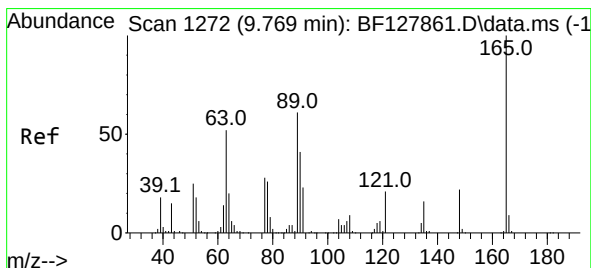
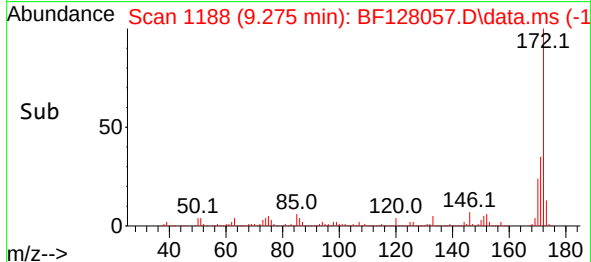
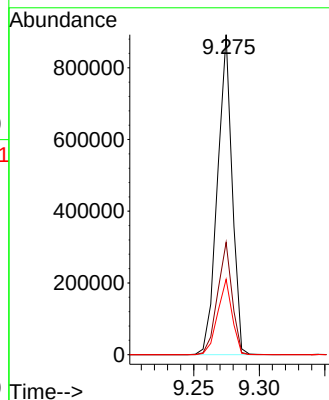
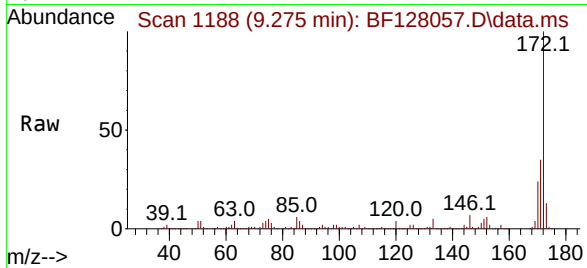
Tgt Ion:172 Resp: 693759

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.157 ng

RT: 9.957 min Scan# 1304

Delta R.T. 0.206 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

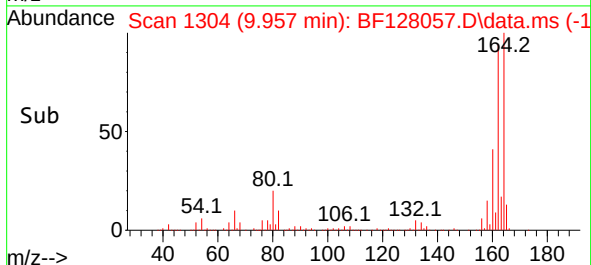
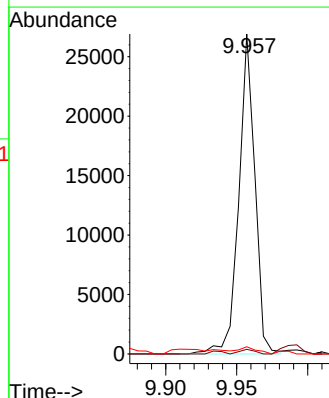
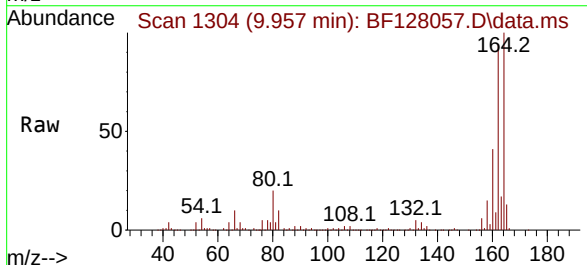
Tgt Ion:165 Resp: 21239

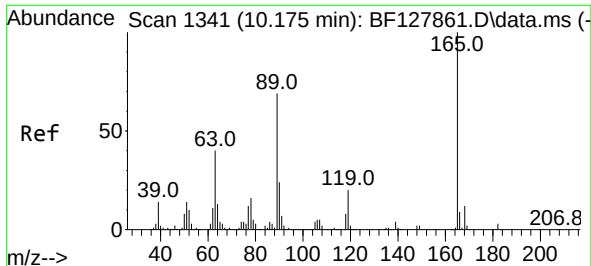
Ion Ratio Lower Upper

165 100

63 1.5 49.5 74.3#

89 2.2 49.0 73.4#

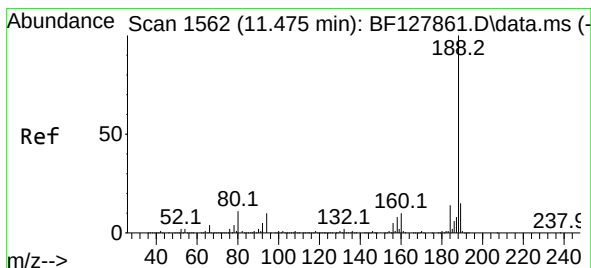
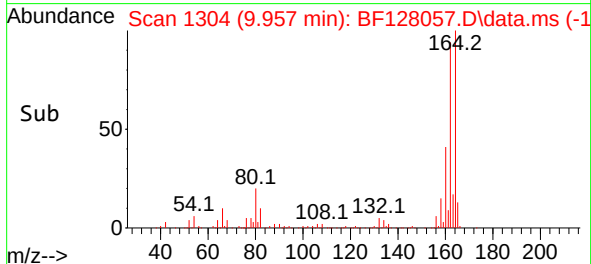
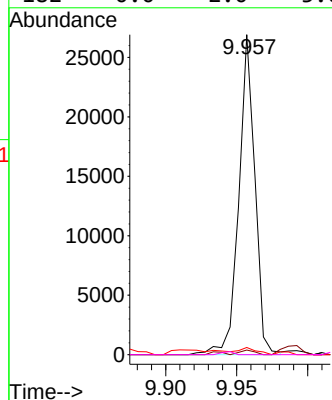
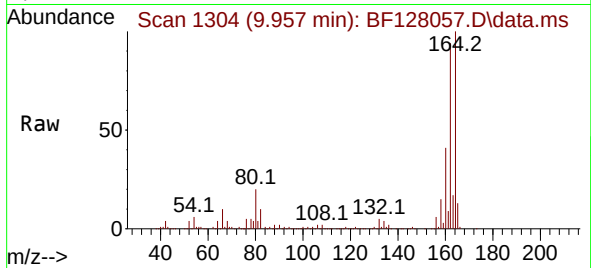




#57
2,4-Dinitrotoluene
Concen: 6.913 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

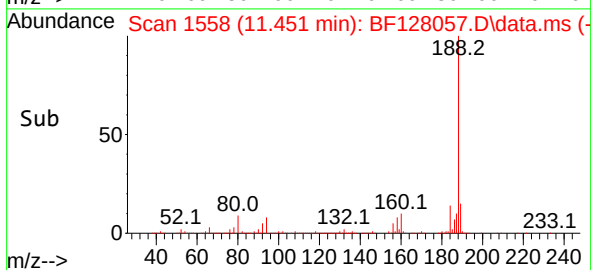
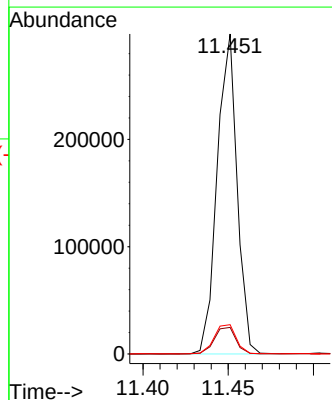
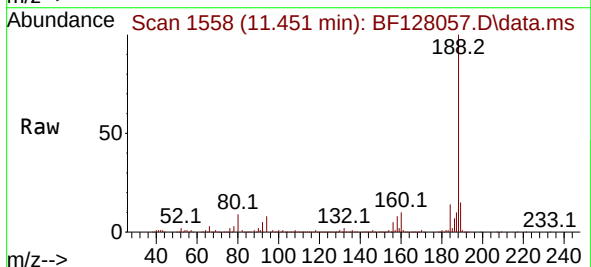
Instrument :
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ClientSampleId :
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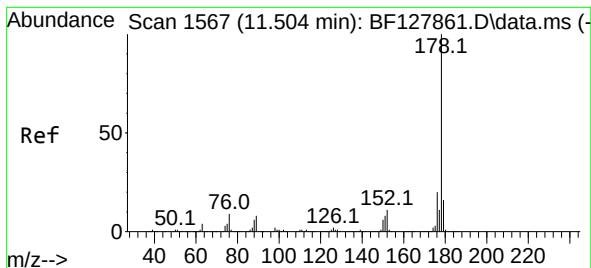
Tgt Ion:165 Resp: 21239
Ion Ratio Lower Upper
165 100
63 1.5 32.6 49.0#
89 2.2 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

Tgt Ion:188 Resp: 242555
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 9.2 8.9 13.3





#71

Phenanthrene

Concen: 6.387 ng

RT: 11.475 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

Instrument :

BNA_F

ClientSampleId :

22L097-B

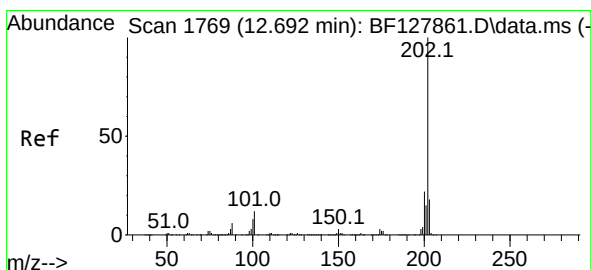
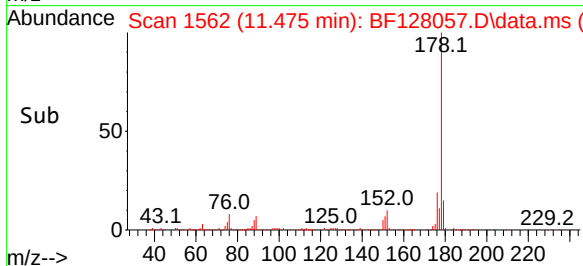
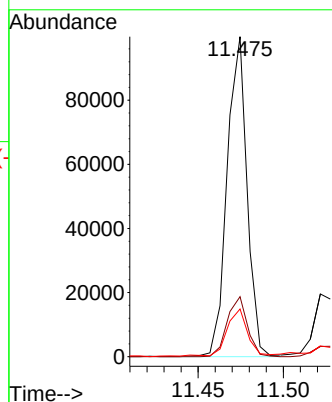
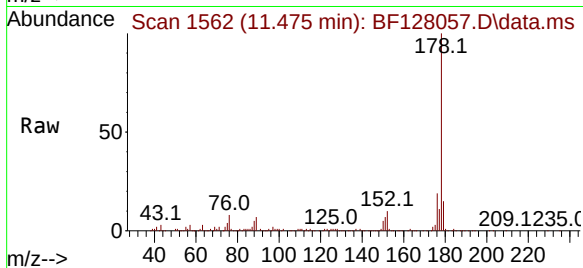
Tgt Ion:178 Resp: 81095

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

179 14.9 12.6 19.0



#75

Fluoranthene

Concen: 7.682 ng

RT: 12.669 min Scan# 1765

Delta R.T. -0.006 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

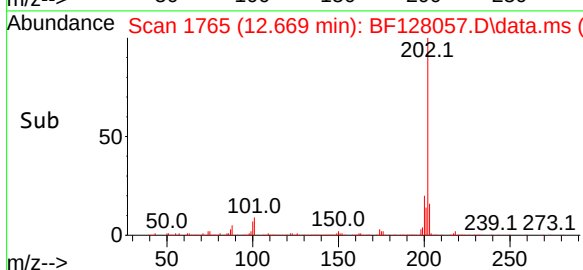
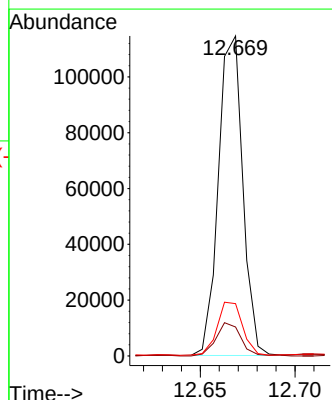
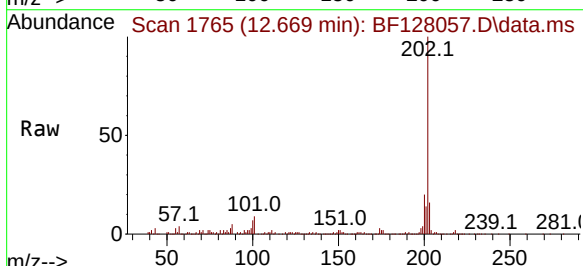
Tgt Ion:202 Resp: 102648

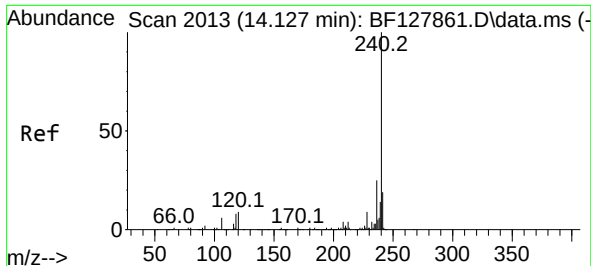
Ion Ratio Lower Upper

202 100

101 9.1 0.0 31.6

203 16.3 0.0 38.1

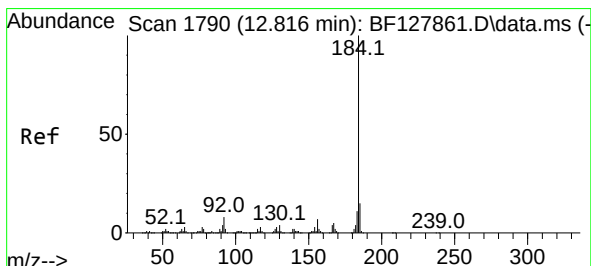
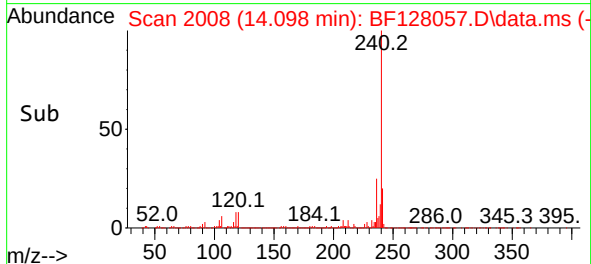
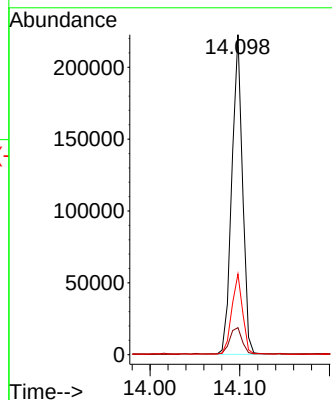
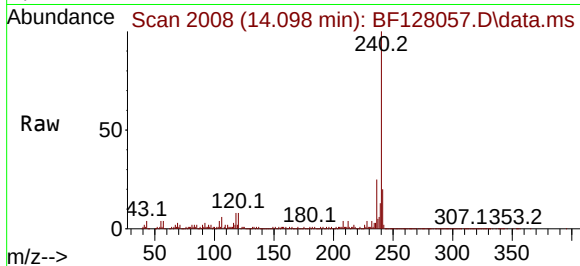




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

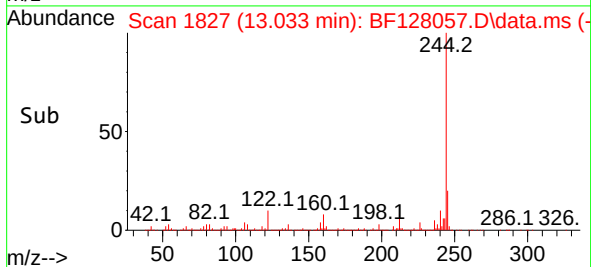
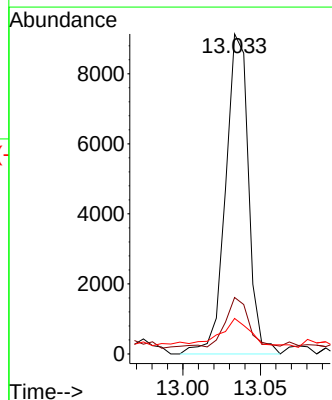
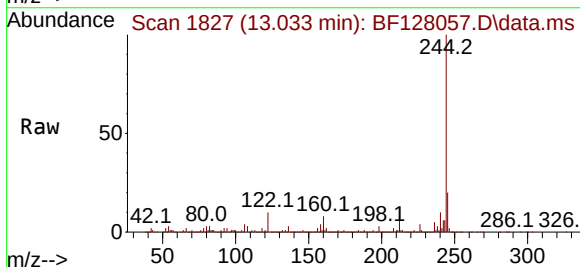
Instrument :
BNA_F
ClientSampleId :
22L097-B

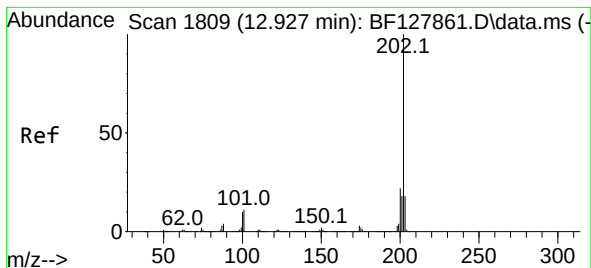
Tgt Ion:240 Resp: 184097
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.2 20.3 30.5



#77
Benzidine
Concen: 2.704 ng
RT: 13.033 min Scan# 1827
Delta R.T. 0.241 min
Lab File: BF128057.D
Acq: 03 May 2022 20:38

Tgt Ion:184 Resp: 9419
Ion Ratio Lower Upper
184 100
185 17.6 12.1 18.1
183 11.1 9.0 13.4





#78

Pyrene

Concen: 6.362 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

Instrument :

BNA_F

ClientSampleId :

22L097-B

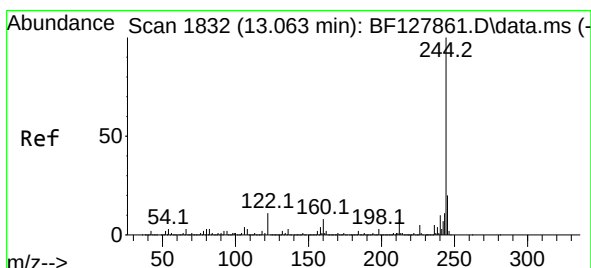
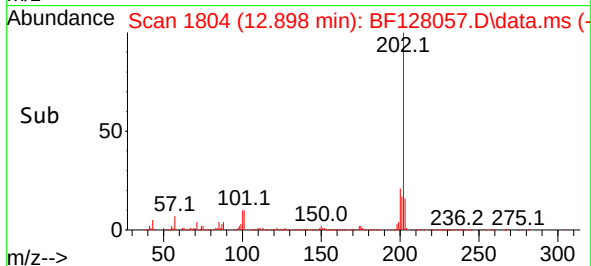
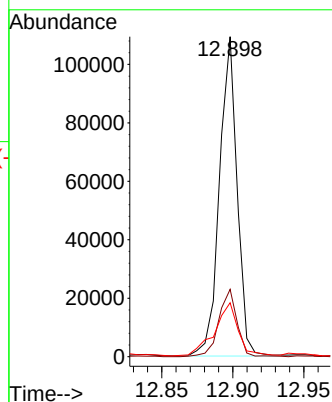
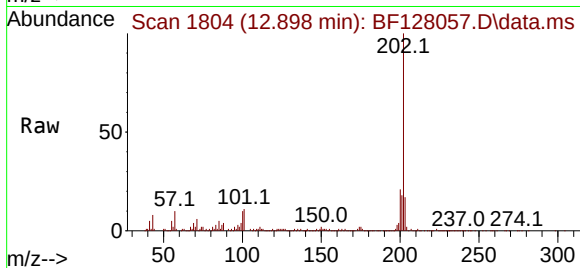
Tgt Ion:202 Resp: 94540

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 16.8 14.0 21.0



#79

Terphenyl-d14

Concen: 61.345 ng

RT: 13.039 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

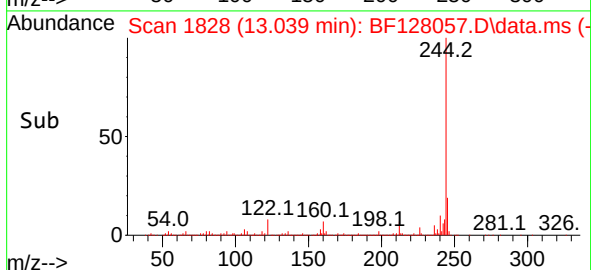
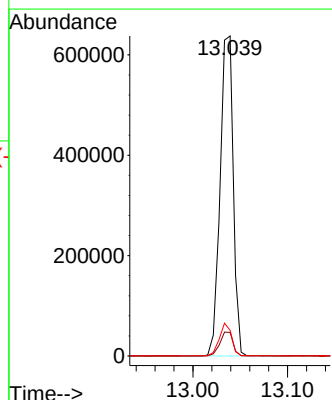
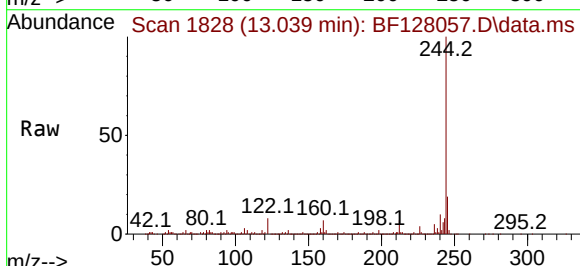
Tgt Ion:244 Resp: 617613

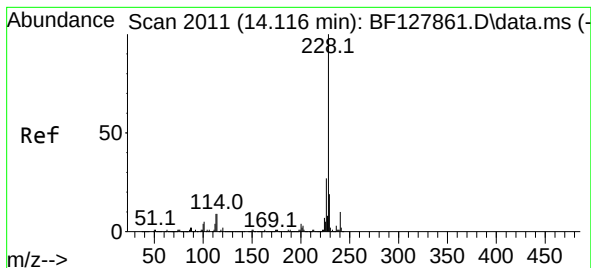
Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.4

122 8.0 8.6 12.8#





#81

Benzo(a)anthracene

Concen: 3.495 ng

RT: 14.086 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

Instrument :

BNA_F

ClientSampleId :

22L097-B

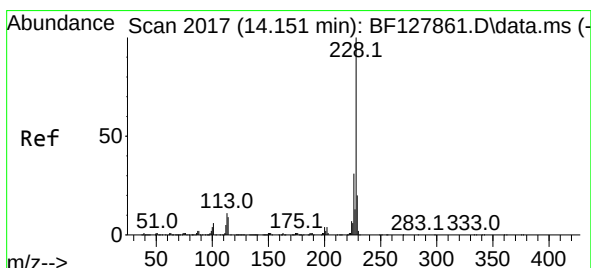
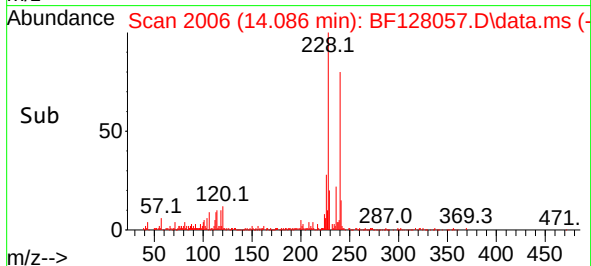
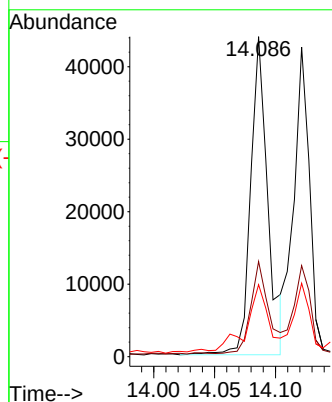
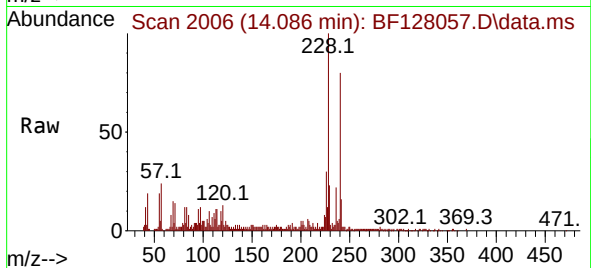
Tgt Ion:228 Resp: 42888

Ion Ratio Lower Upper

228 100

226 29.7 21.7 32.5

229 22.5 15.4 23.2



#83

Chrysene

Concen: 3.270 ng

RT: 14.121 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

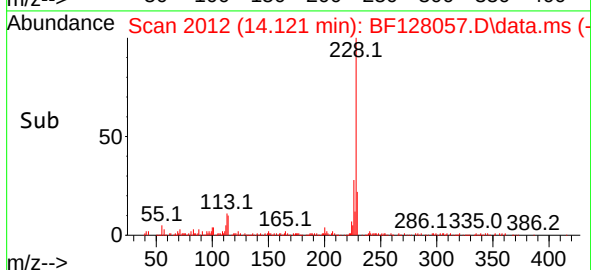
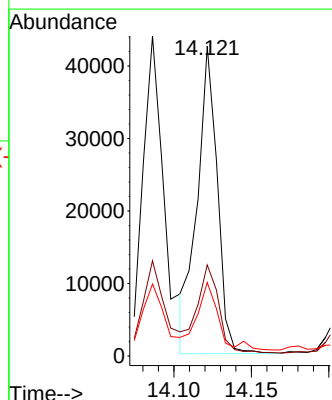
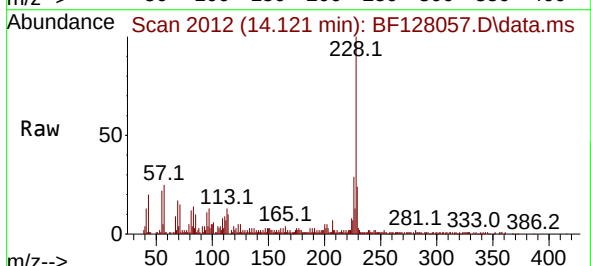
Tgt Ion:228 Resp: 38323

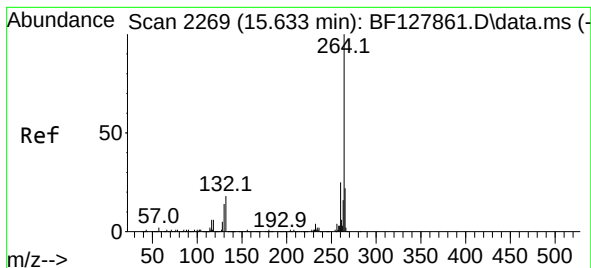
Ion Ratio Lower Upper

228 100

226 29.4 24.4 36.6

229 23.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.604 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

Instrument :

BNA_F

ClientSampleId :

22L097-B

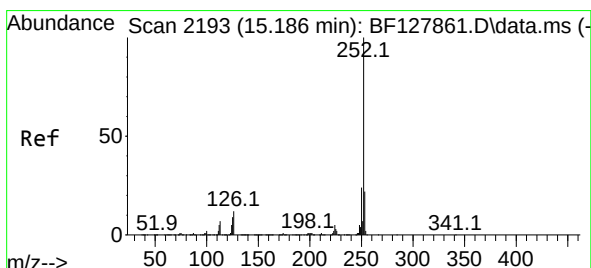
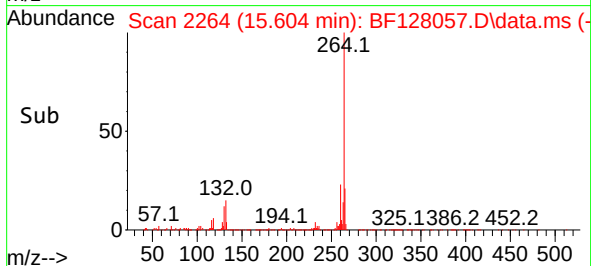
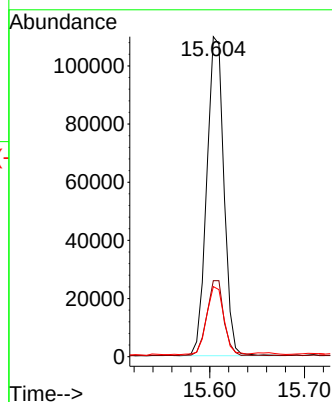
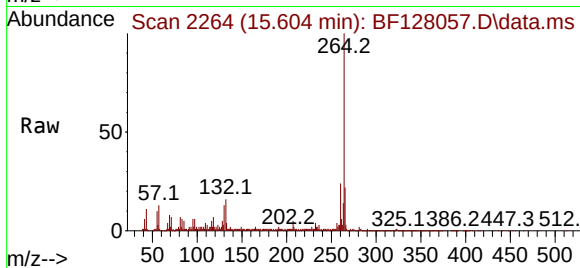
Tgt Ion:264 Resp: 137882

Ion Ratio Lower Upper

264 100

260 23.8 20.1 30.1

265 21.9 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 6.082 ng

RT: 15.157 min Scan# 2188

Delta R.T. -0.012 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

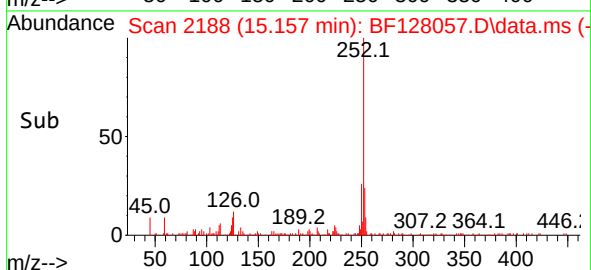
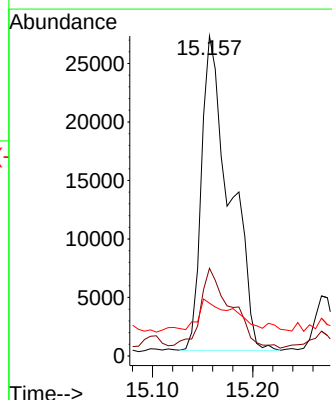
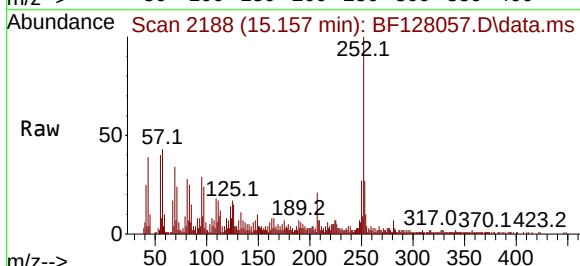
Tgt Ion:252 Resp: 52675

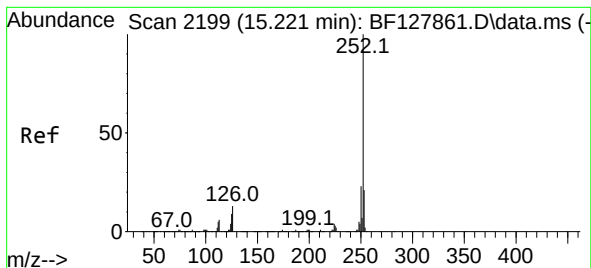
Ion Ratio Lower Upper

252 100

253 27.4 17.4 26.2#

125 16.5 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 6.037 ng

RT: 15.157 min Scan# 2199

Delta R.T. -0.041 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

Instrument :

BNA_F

ClientSampleId :

22L097-B

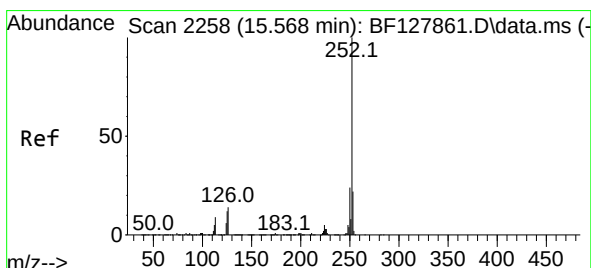
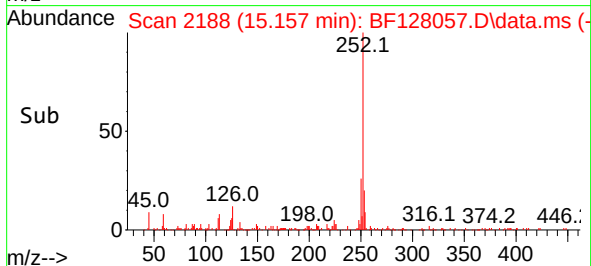
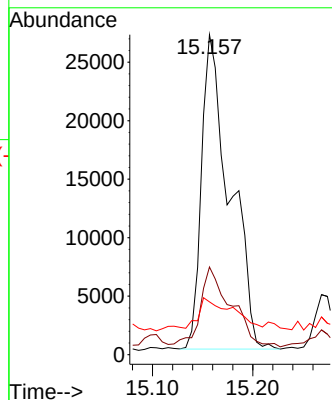
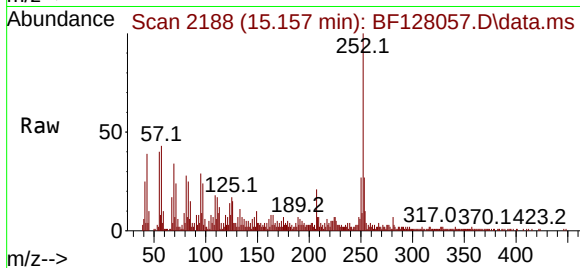
Tgt Ion:252 Resp: 52675

Ion Ratio Lower Upper

252 100

253 27.4 17.0 25.4#

125 16.5 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 3.749 ng

RT: 15.539 min Scan# 2253

Delta R.T. -0.012 min

Lab File: BF128057.D

Acq: 03 May 2022 20:38

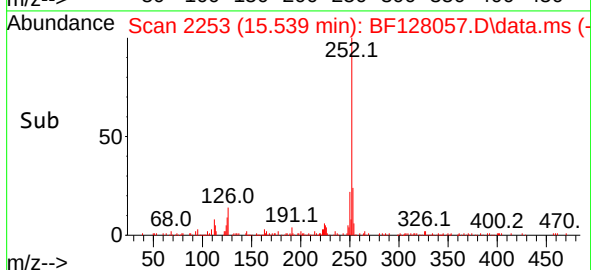
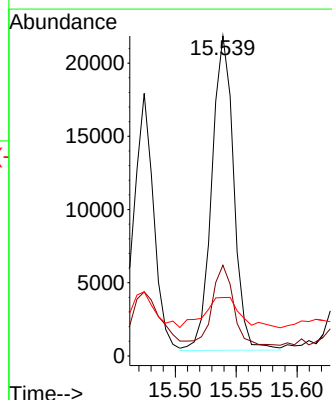
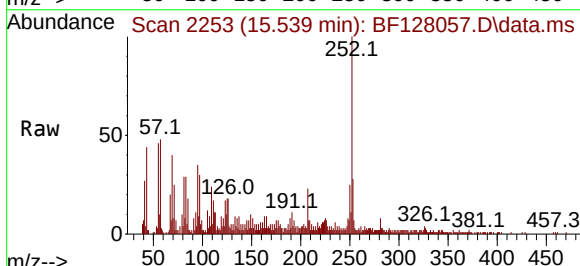
Tgt Ion:252 Resp: 26931

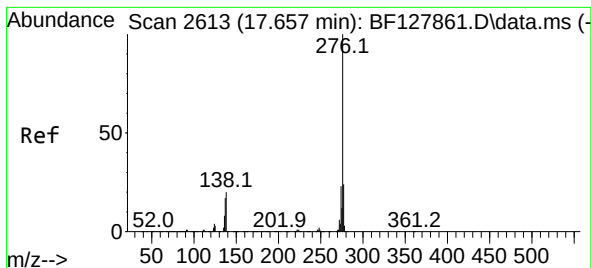
Ion Ratio Lower Upper

252 100

253 28.4 17.8 26.6#

125 18.2 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 2.035 ng

RT: 17.604 min Scan# 2

Delta R.T. -0.029 min

Lab File: BF128057.D

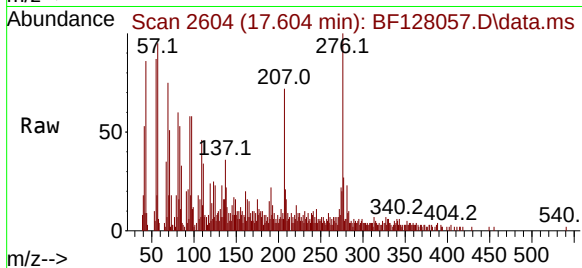
Acq: 03 May 2022 20:38

Instrument :

BNA_F

ClientSampleId :

22L097-B



Tgt Ion:276 Resp: 15833

Ion Ratio Lower Upper

276 100

277 27.1 18.8 28.2

138 21.9 16.2 24.2

