

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011022\
 Data File : BF126578.D
 Acq On : 10 Jan 2022 20:35
 Operator : JU/CG
 Sample : N1080-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 289

Quant Time: Jan 11 01:38:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 10 14:50:31 2022
 Response via : Initial Calibration

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

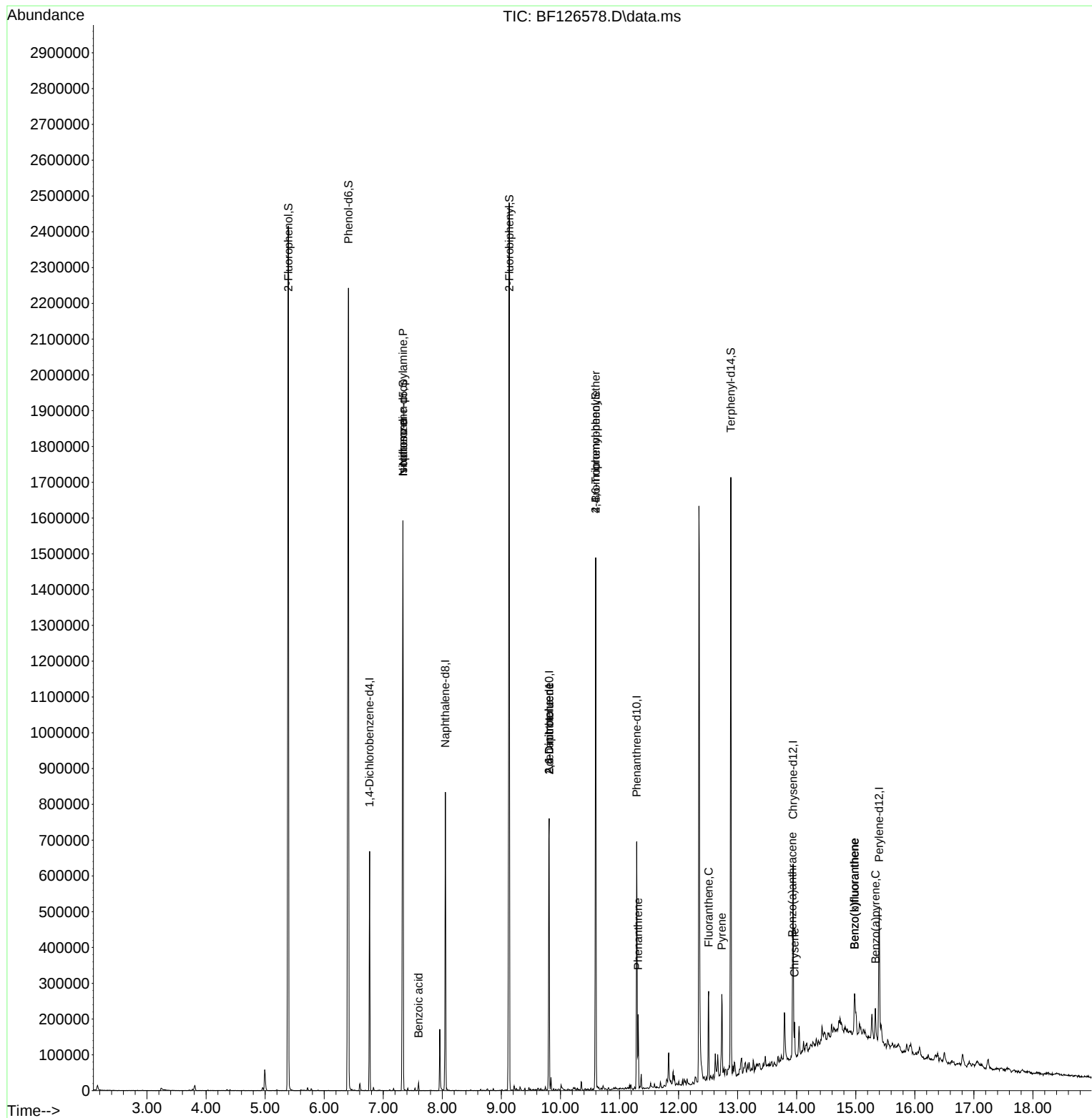
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	87873	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	362229	20.000	ng	# 0.00
39) Acenaphthene-d10	9.810	164	161632	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	228898	20.000	ng	0.00
76) Chrysene-d12	13.939	240	156716	20.000	ng	0.00
86) Perylene-d12	15.398	264	157209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	735483	120.196	ng	0.01
7) Phenol-d6	6.410	99	915653	115.534	ng	0.00
23) Nitrobenzene-d5	7.334	82	601152	85.214	ng	0.00
42) 2,4,6-Tribromophenol	10.598	330	170384	136.416	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	789568	85.962	ng	0.00
79) Terphenyl-d14	12.886	244	537074	66.585	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	75594	16.715	ng	# 79
25) Isophorone	7.334	82	599161	47.444	ng	# 69
32) Benzoic acid	7.598	122	1094	7.339	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	20300	9.316	ng	# 20
57) 2,4-Dinitrotoluene	9.810	165	20300	7.220	ng	# 14
67) 4-Bromophenyl-phenylether	10.598	248	8943	4.402	ng	# 1
71) Phenanthrene	11.316	178	68923	5.890	ng	97
75) Fluoranthene	12.510	202	94542	8.852	ng	97
77) Benzidine	12.886	184	6716	Below Cal		# 93
78) Pyrene	12.733	202	83389	6.296	ng	97
81) Benzo(a)anthracene	13.927	228	39763	4.412	ng	95
83) Chrysene	13.963	228	35040	3.790	ng	97
88) Benzo(b)fluoranthene	14.980	252	67799	7.239	ng	96
89) Benzo(k)fluoranthene	14.980	252	67799	7.473	ng	94
90) Benzo(a)pyrene	15.333	252	37930	4.830	ng	95

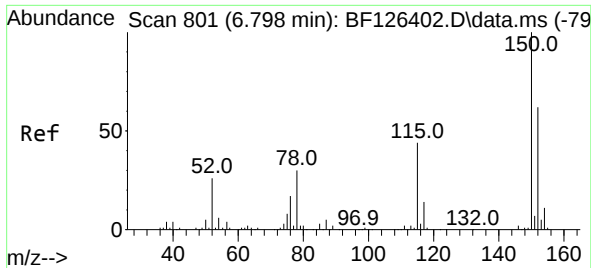
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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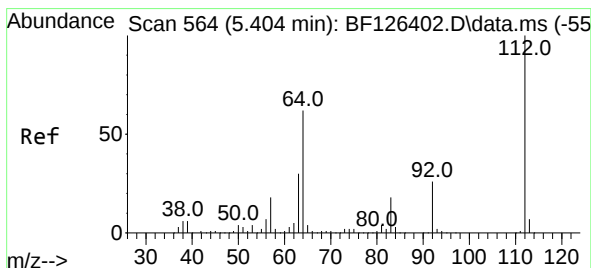
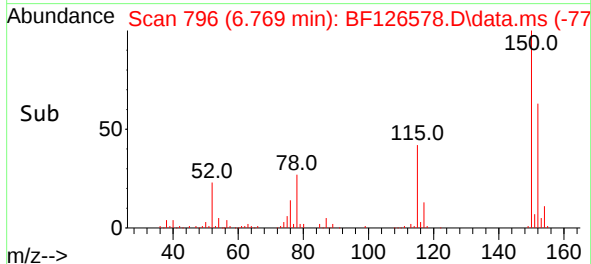
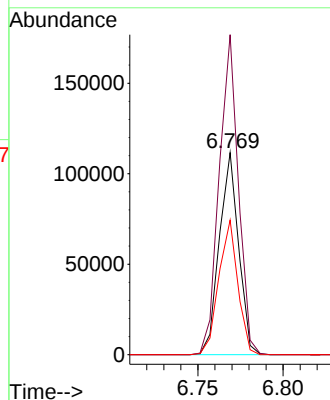
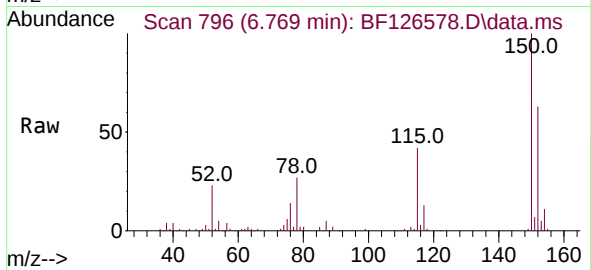




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

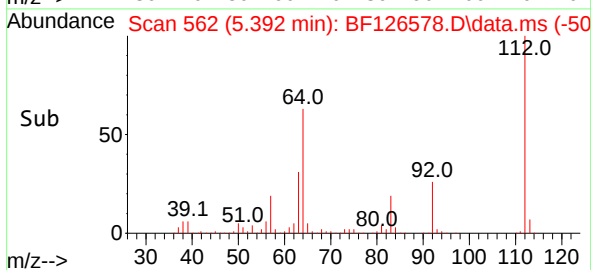
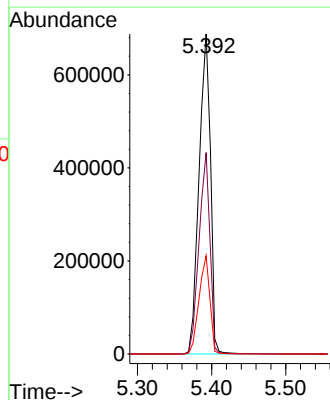
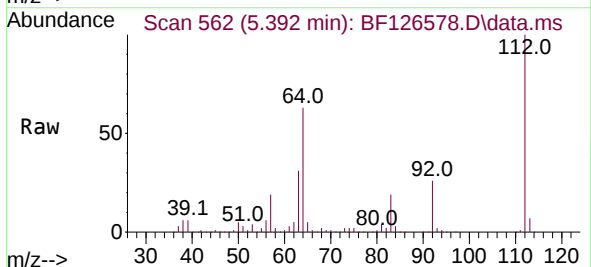
Instrument :
BNA_F
ClientSampleId :
289

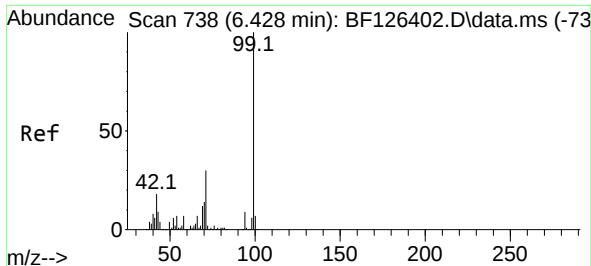
Tgt Ion:152 Resp: 87873
Ion Ratio Lower Upper
152 100
150 158.3 128.1 192.1
115 66.6 56.7 85.1



#5
2-Fluorophenol
Concen: 120.196 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.012 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Tgt Ion:112 Resp: 735483
Ion Ratio Lower Upper
112 100
64 62.9 49.5 74.3
63 30.7 23.9 35.9

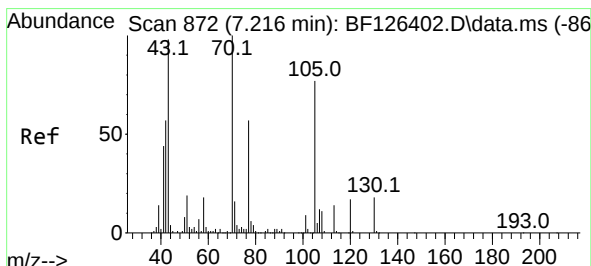
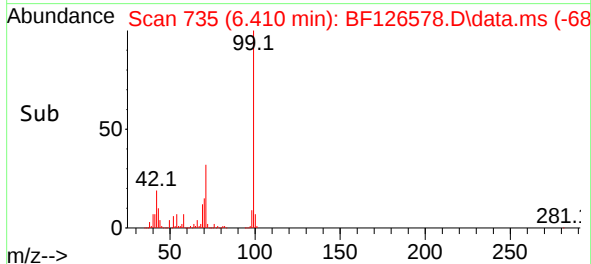
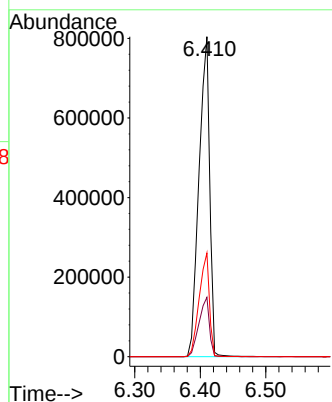
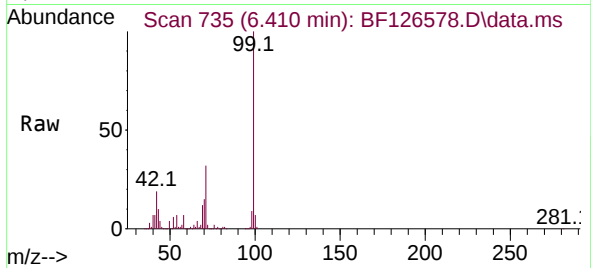




#7
Phenol-d6
Concen: 115.534 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

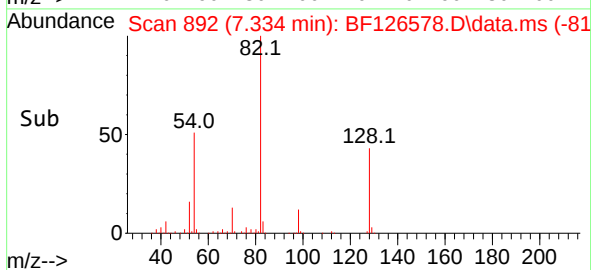
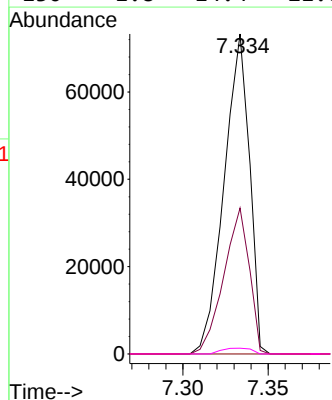
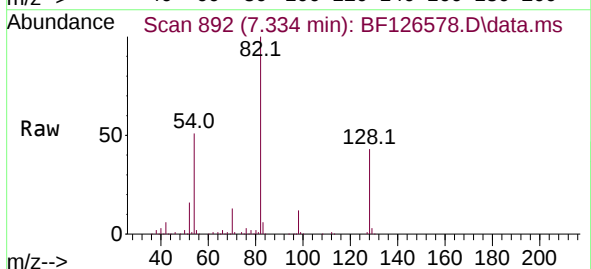
Instrument :
BNA_F
ClientSampleId :
289

Tgt Ion: 99 Resp: 915653
Ion Ratio Lower Upper
99 100
42 18.6 14.2 21.4
71 32.4 24.3 36.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.715 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.141 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Tgt Ion: 70 Resp: 75594
Ion Ratio Lower Upper
70 100
42 45.6 45.8 68.8#
101 0.0 6.9 10.3#
130 1.8 14.4 21.6#



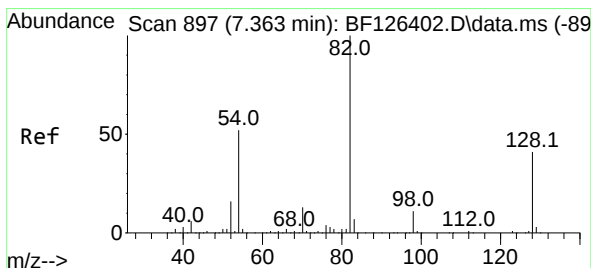
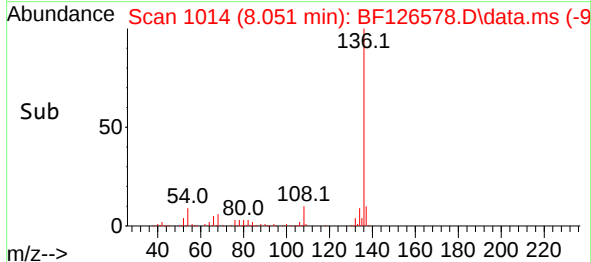
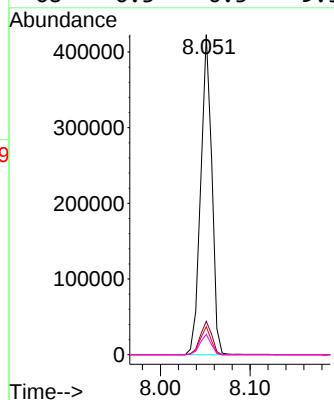
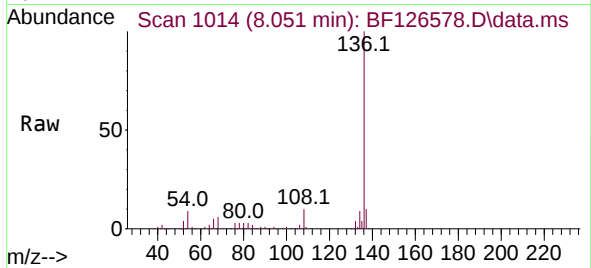


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Instrument :
BNA_F
ClientSampleId :
289

Tgt Ion:136 Resp: 362229

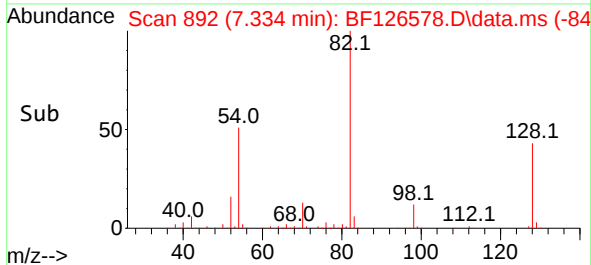
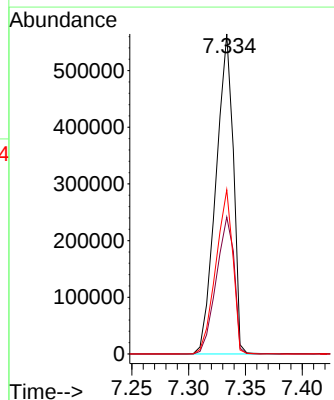
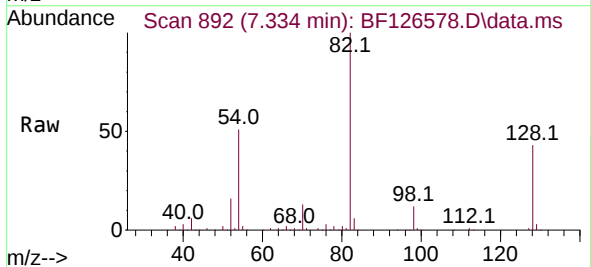
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.8	7.8	11.6
68	6.3	6.3	9.5



#23
Nitrobenzene-d5
Concen: 85.214 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Tgt Ion: 82 Resp: 601152

Ion	Ratio	Lower	Upper
82	100		
128	42.8	32.7	49.1
54	51.3	41.7	62.5

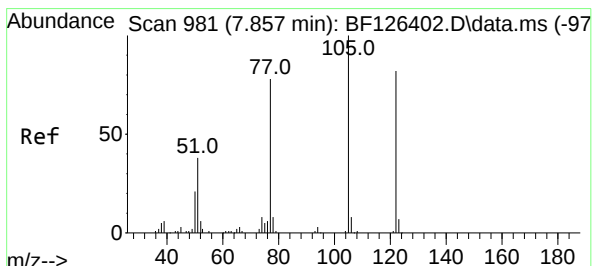
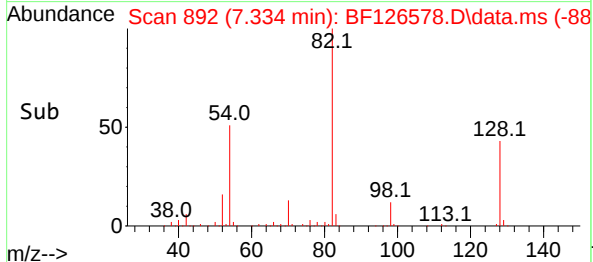
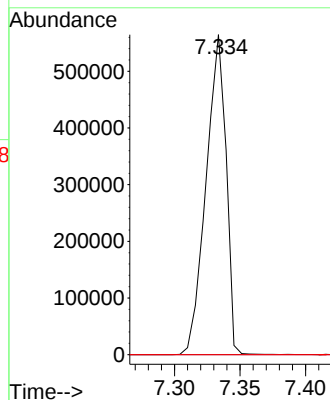
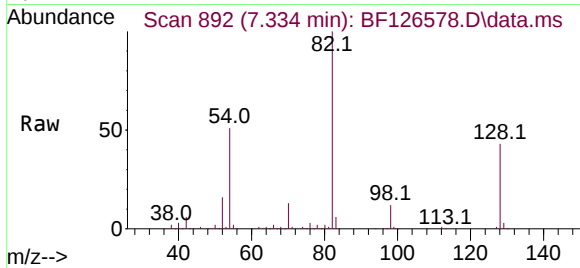




#25
Isophorone
Concen: 47.444 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

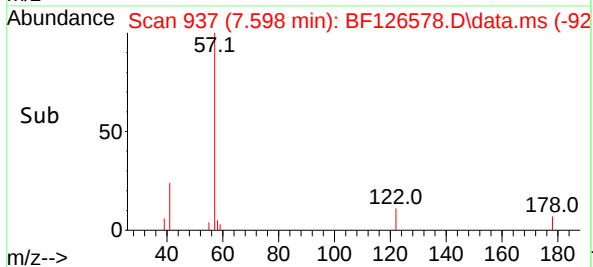
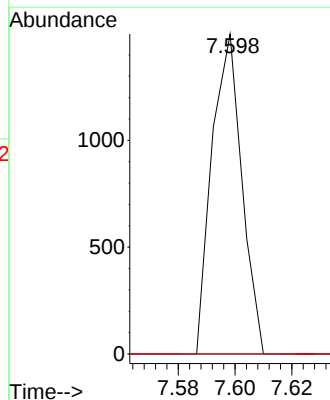
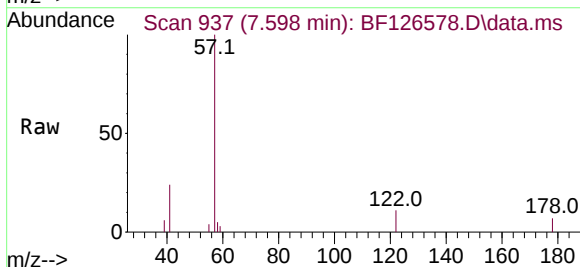
Instrument :
BNA_F
ClientSampleId :
289

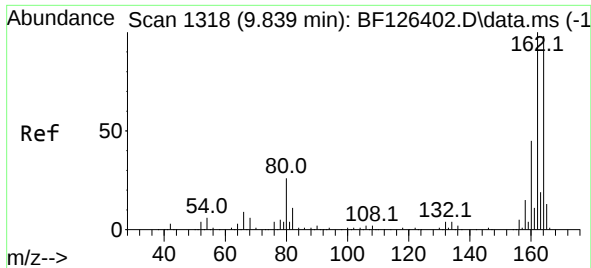
Tgt Ion: 82 Resp: 599161
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#32
Benzoic acid
Concen: 7.339 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.253 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Tgt Ion:122 Resp: 1094
Ion Ratio Lower Upper
122 100
105 0.0 101.0 141.0#
77 0.0 74.5 114.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126578.D

Acq: 10 Jan 2022 20:35

Instrument :

BNA_F

ClientSampleId :

289

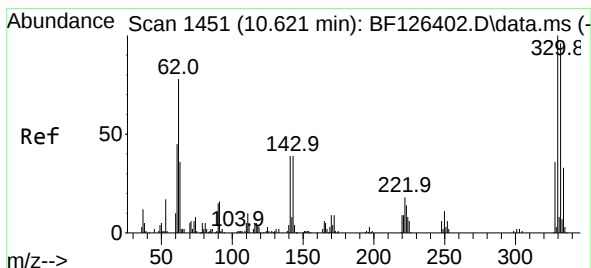
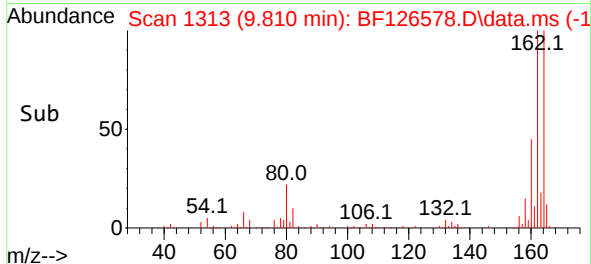
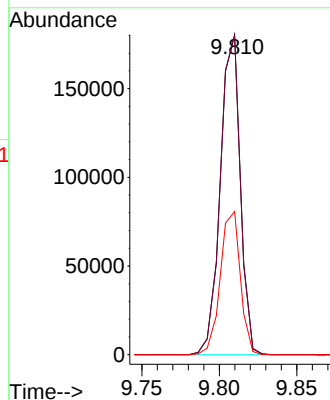
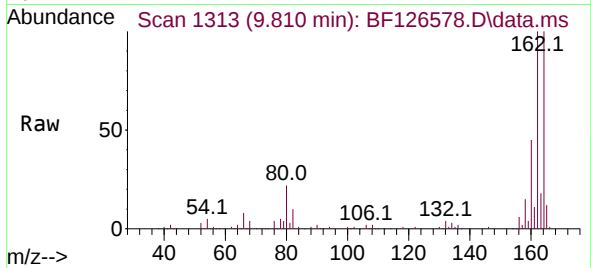
Tgt Ion:164 Resp: 161632

Ion Ratio Lower Upper

164 100

162 99.6 81.4 122.0

160 44.8 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 136.416 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF126578.D

Acq: 10 Jan 2022 20:35

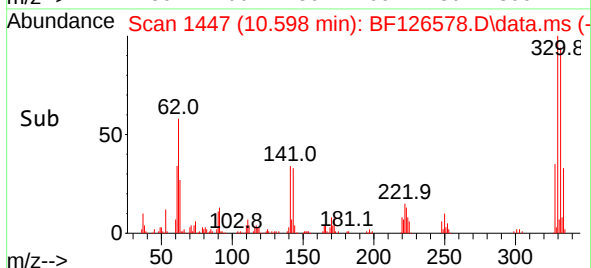
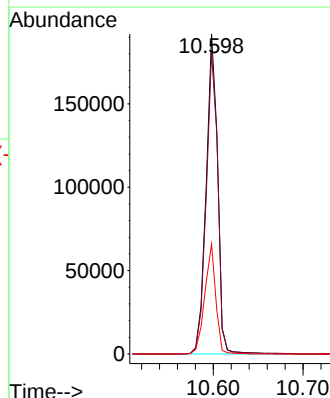
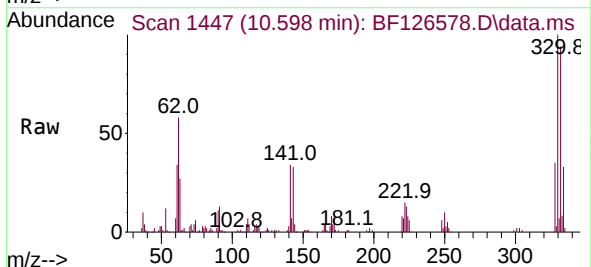
Tgt Ion:330 Resp: 170384

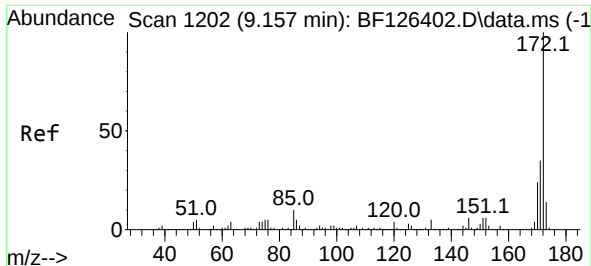
Ion Ratio Lower Upper

330 100

332 95.4 76.0 114.0

141 32.9 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 85.962 ng

RT: 9.133 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126578.D

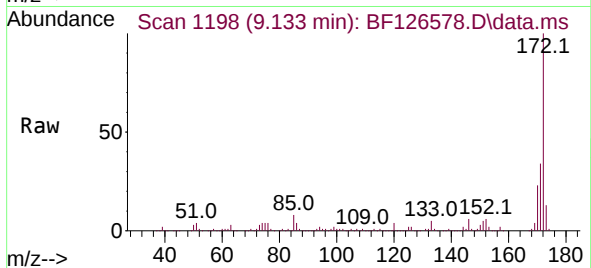
Acq: 10 Jan 2022 20:35

Instrument :

BNA_F

ClientSampleId :

289



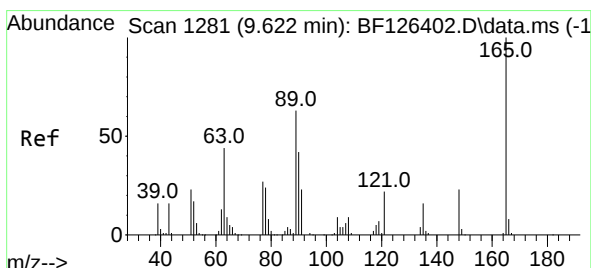
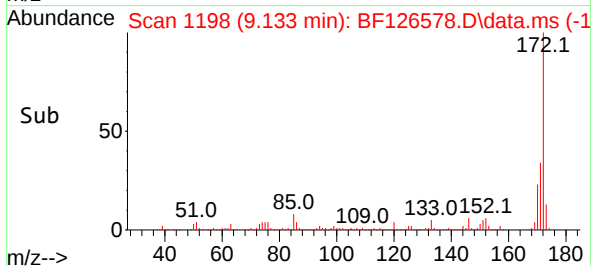
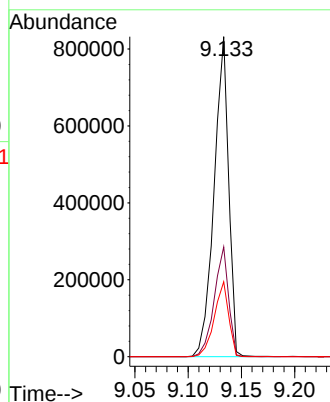
Tgt Ion:172 Resp: 789568

Ion Ratio Lower Upper

172 100

171 34.3 28.3 42.5

170 23.4 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.316 ng

RT: 9.810 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF126578.D

Acq: 10 Jan 2022 20:35

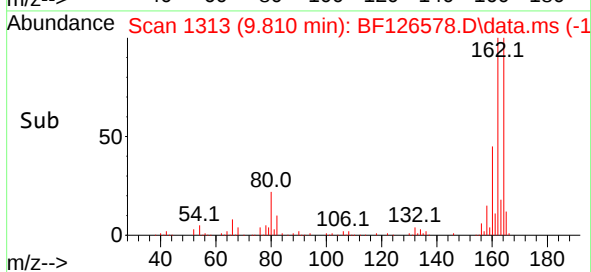
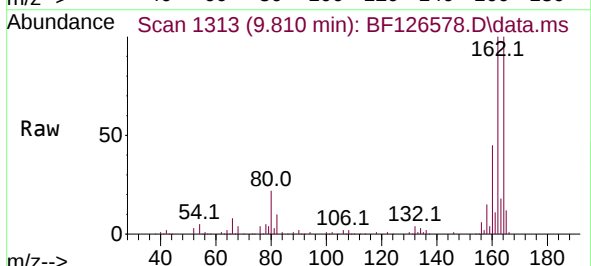
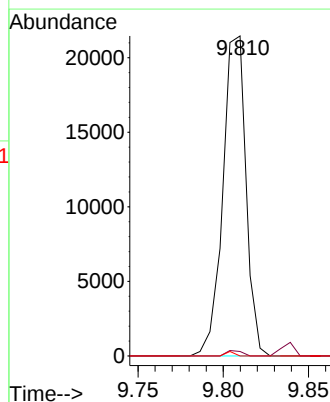
Tgt Ion:165 Resp: 20300

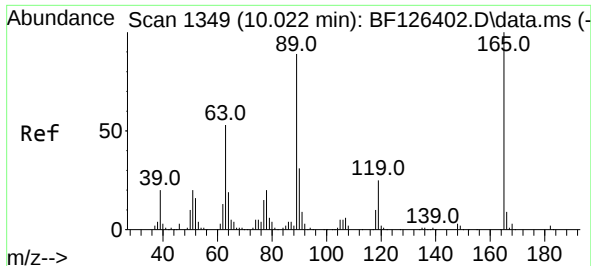
Ion Ratio Lower Upper

165 100

63 1.4 48.4 72.6#

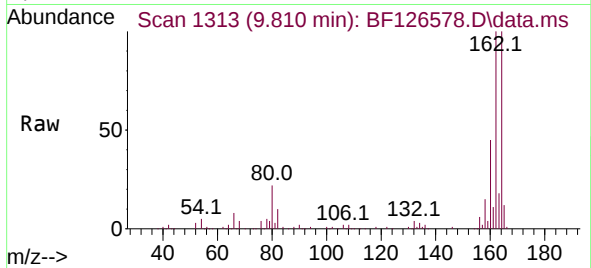
89 0.0 50.5 75.7#



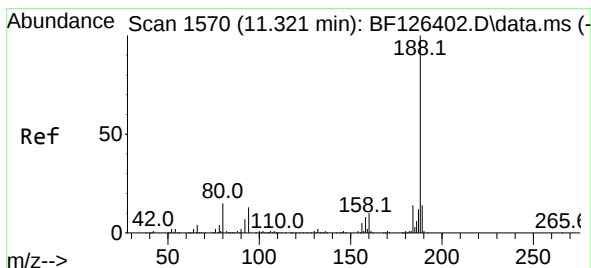
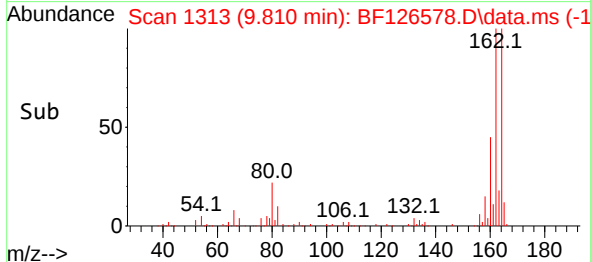
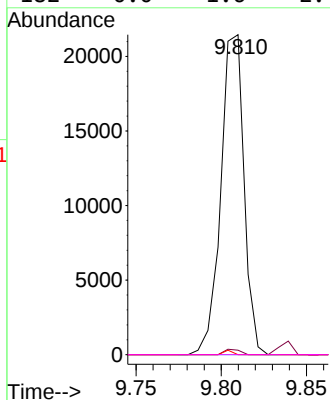


#57
2,4-Dinitrotoluene
Concen: 7.220 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Instrument :
BNA_F
ClientSampleId :
289

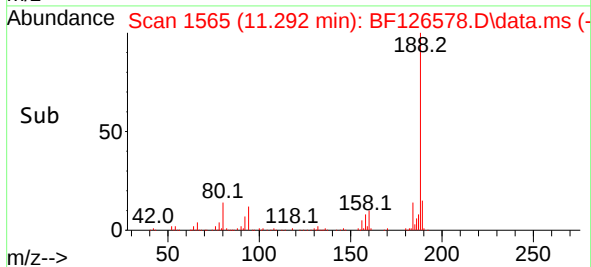
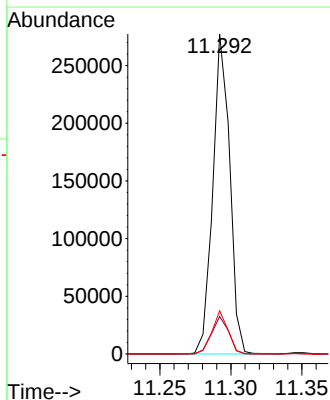
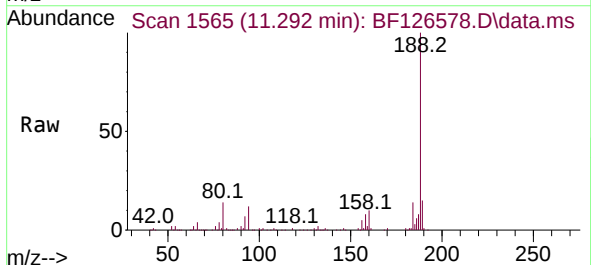


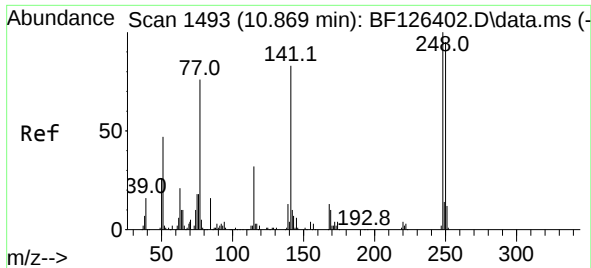
Tgt Ion:165 Resp: 20300
Ion Ratio Lower Upper
165 100
63 1.4 43.0 64.6#
89 0.0 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Tgt Ion:188 Resp: 228898
Ion Ratio Lower Upper
188 100
94 11.7 10.1 15.1
80 13.5 11.8 17.6

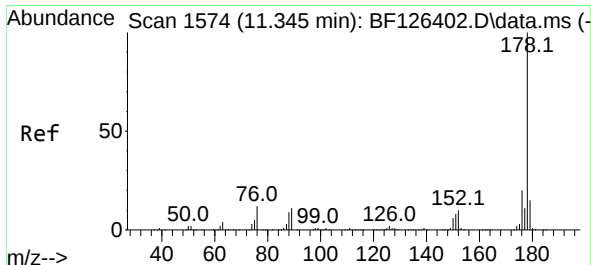
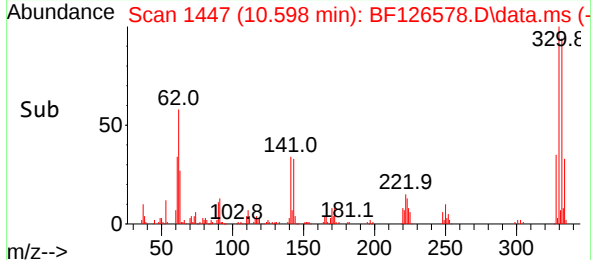
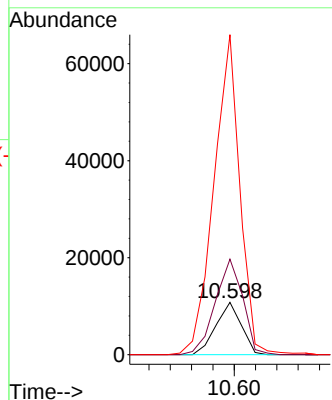
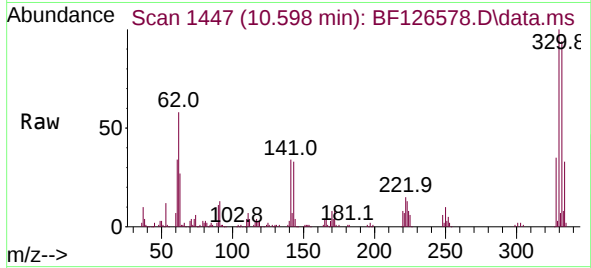




#67
4-Bromophenyl-phenylether
Concen: 4.402 ng
RT: 10.598 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

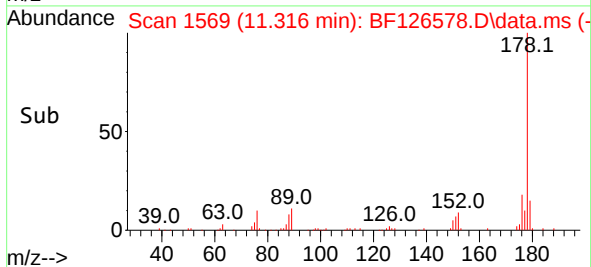
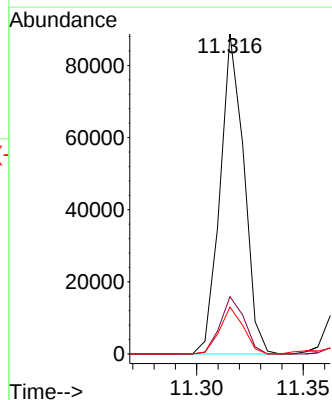
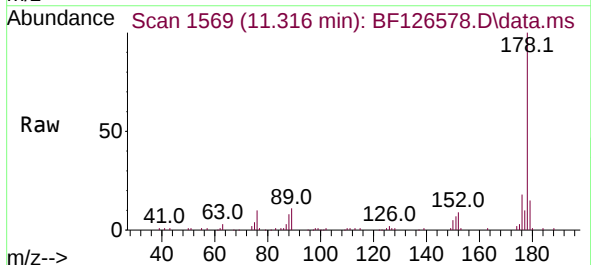
Instrument :
BNA_F
ClientSampleId :
289

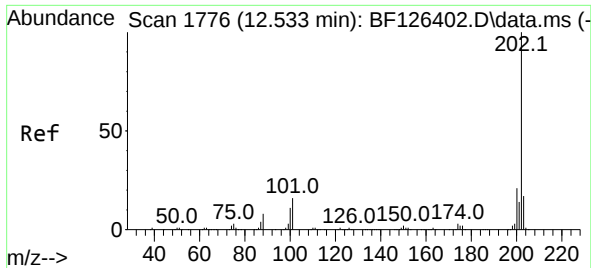
Tgt Ion:248 Resp: 8943
Ion Ratio Lower Upper
248 100
250 182.6 76.2 114.4#
141 611.7 66.2 99.4#



#71
Phenanthrene
Concen: 5.890 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Tgt Ion:178 Resp: 68923
Ion Ratio Lower Upper
178 100
176 17.9 15.7 23.5
179 14.7 12.3 18.5

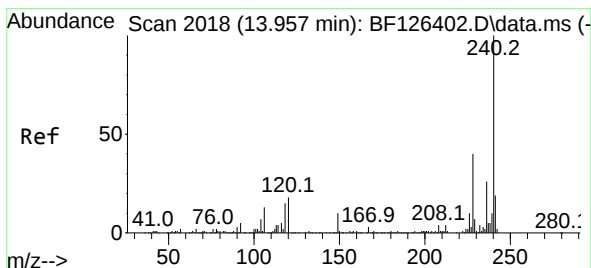
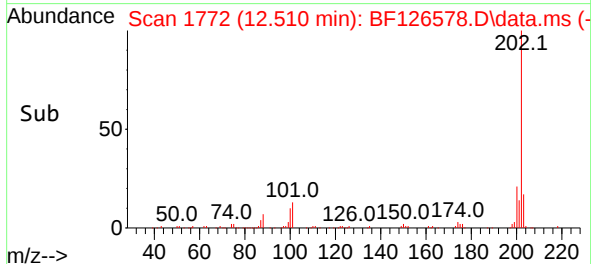
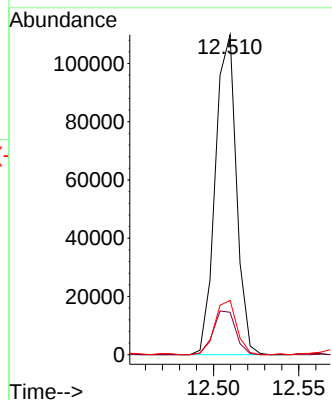
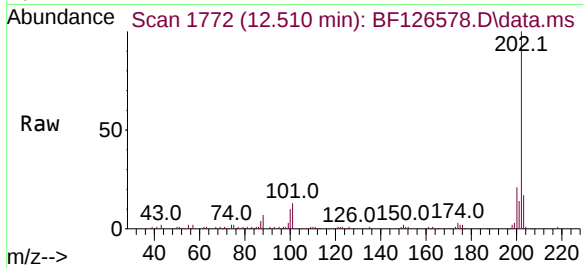




#75
Fluoranthene
Concen: 8.852 ng
RT: 12.510 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

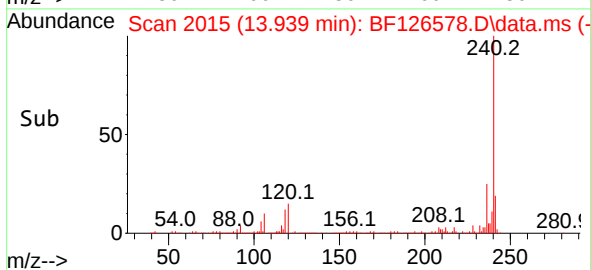
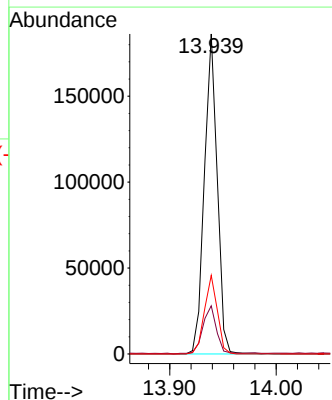
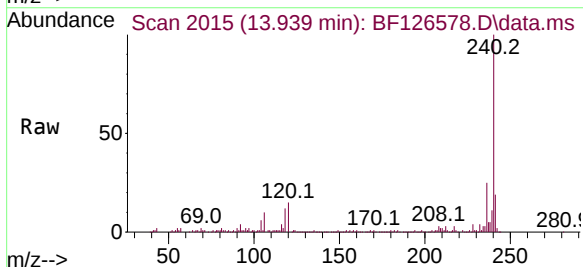
Instrument :
BNA_F
ClientSampleId :
289

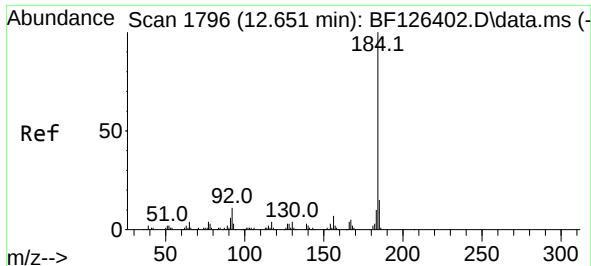
Tgt Ion:202 Resp: 94542
Ion Ratio Lower Upper
202 100
101 13.3 0.0 35.7
203 16.9 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Tgt Ion:240 Resp: 156716
Ion Ratio Lower Upper
240 100
120 15.1 14.4 21.6
236 24.5 20.5 30.7

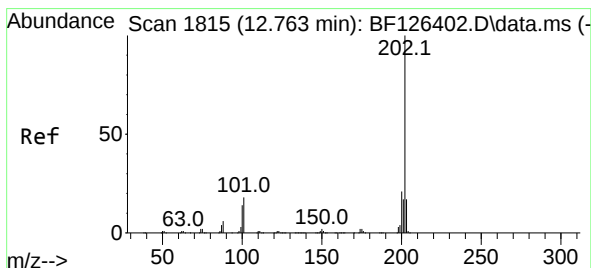
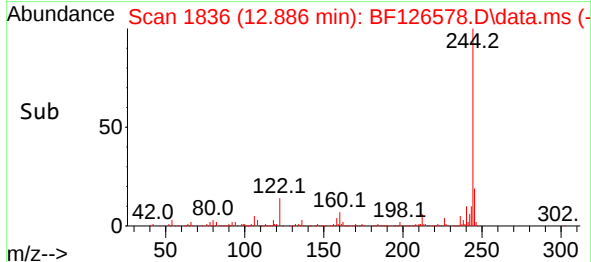
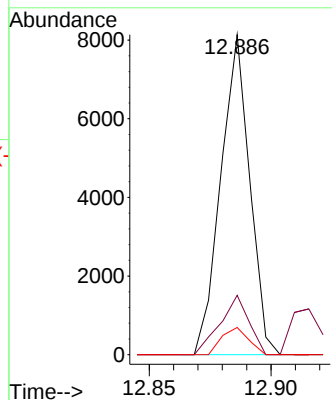
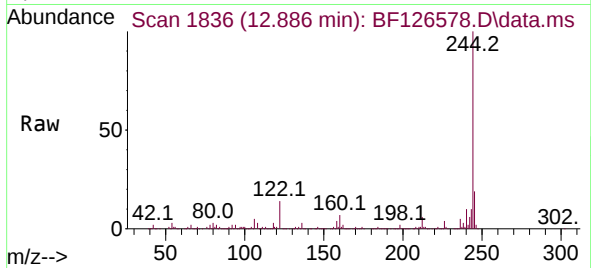




#77
Benzidine
Concen: Below Cal
RT: 12.886 min Scan# 1836
Delta R.T. 0.253 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

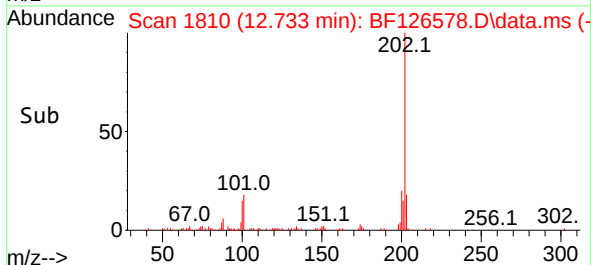
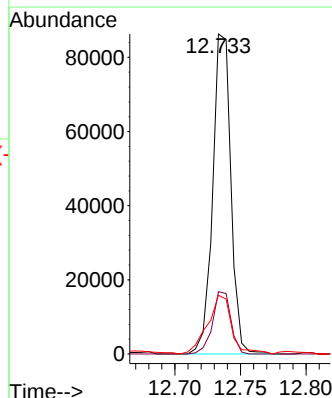
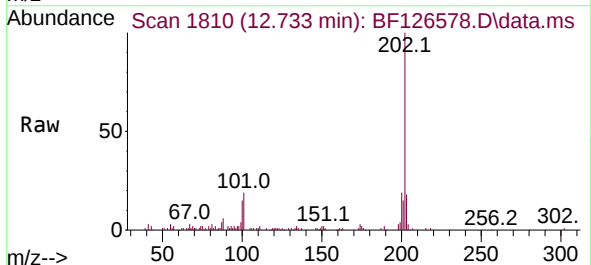
Instrument :
BNA_F
ClientSampleId :
289

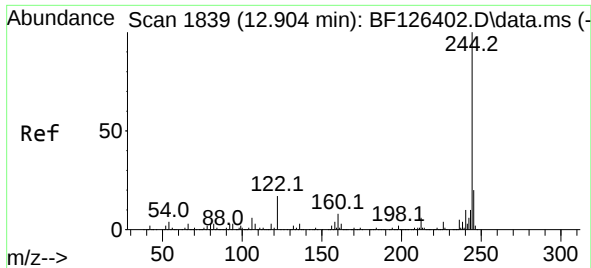
Tgt Ion:184 Resp: 6716
Ion Ratio Lower Upper
184 100
185 18.5 11.8 17.8#
183 8.5 8.2 12.2



#78
Pyrene
Concen: 6.296 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Tgt Ion:202 Resp: 83389
Ion Ratio Lower Upper
202 100
200 19.5 16.6 24.8
203 18.4 13.8 20.8

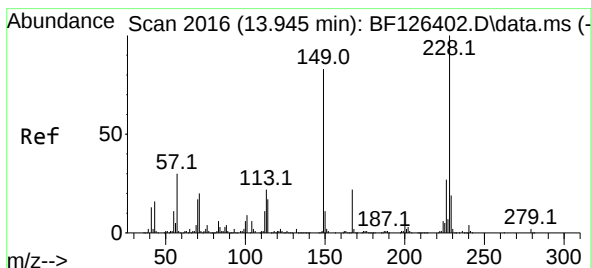
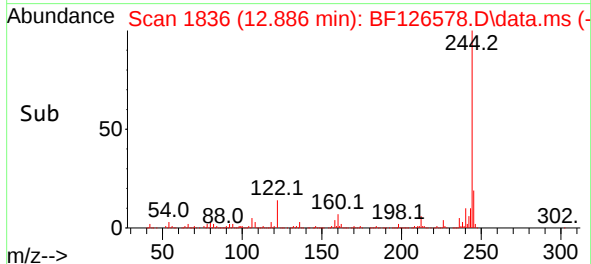
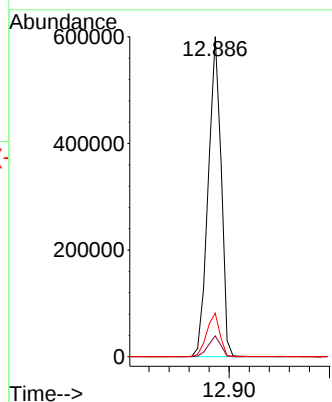
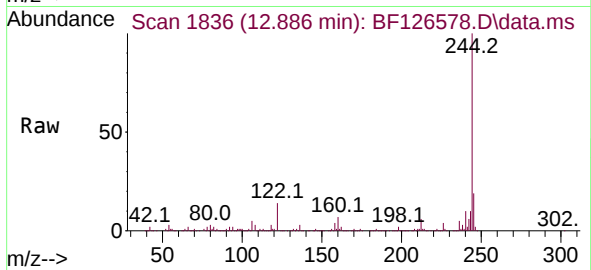




#79
 Terphenyl-d14
 Concen: 66.585 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126578.D
 Acq: 10 Jan 2022 20:35

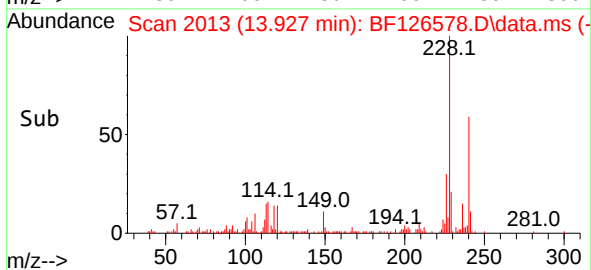
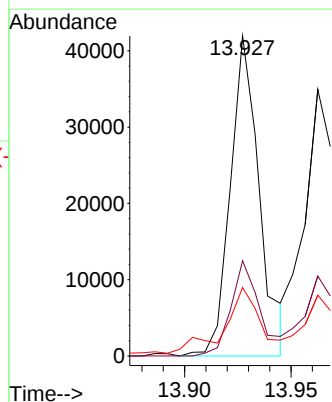
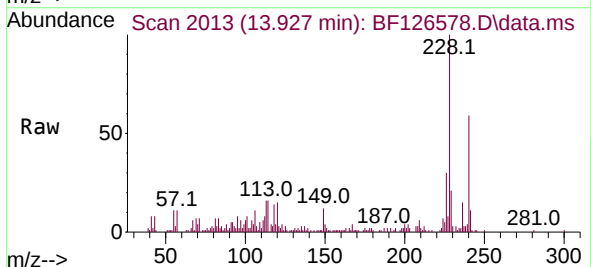
Instrument :
 BNA_F
 ClientSampleId :
 289

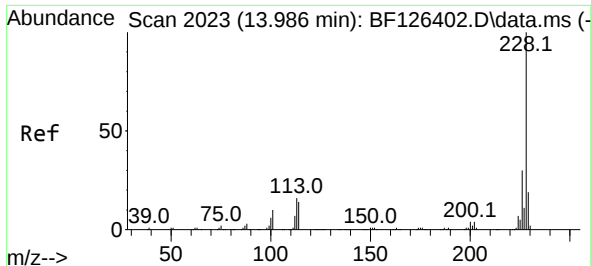
Tgt Ion:244 Resp: 537074
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 13.6 13.3 19.9



#81
 Benzo(a)anthracene
 Concen: 4.412 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: BF126578.D
 Acq: 10 Jan 2022 20:35

Tgt Ion:228 Resp: 39763
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.4 32.0
 229 21.4 15.4 23.2





#83

Chrysene

Concen: 3.790 ng

RT: 13.963 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF126578.D

Acq: 10 Jan 2022 20:35

Instrument :

BNA_F

ClientSampleId :

289

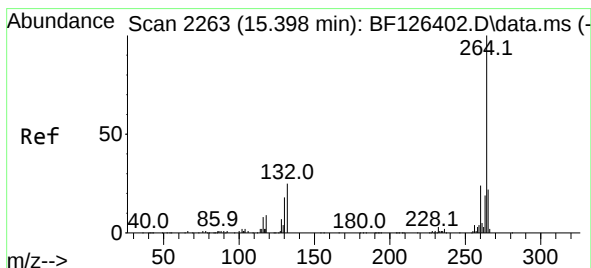
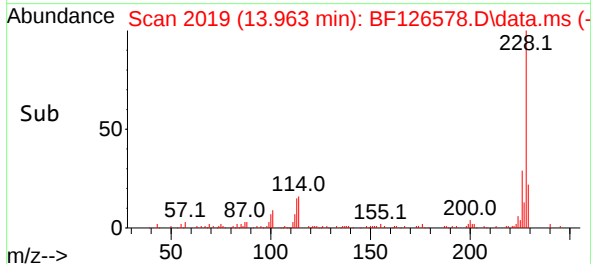
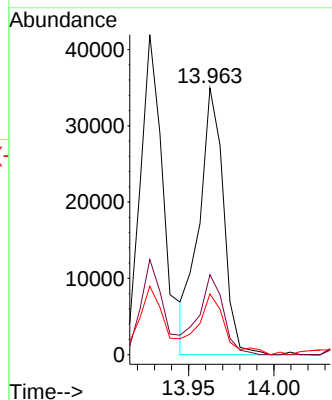
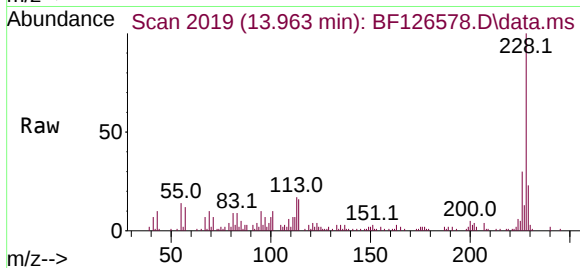
Tgt Ion:228 Resp: 35040

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

229 22.8 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2263

Delta R.T. -0.000 min

Lab File: BF126578.D

Acq: 10 Jan 2022 20:35

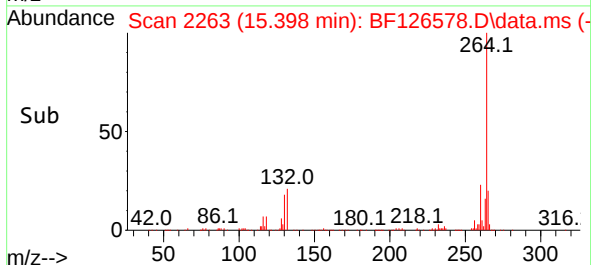
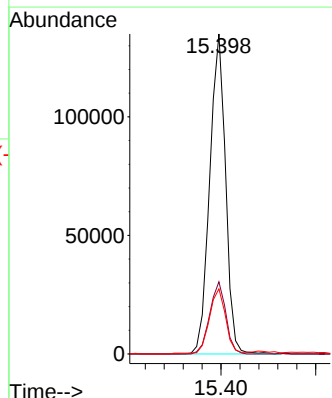
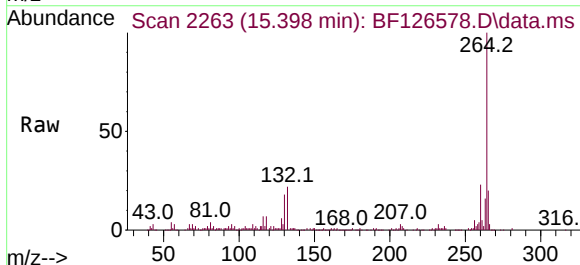
Tgt Ion:264 Resp: 157209

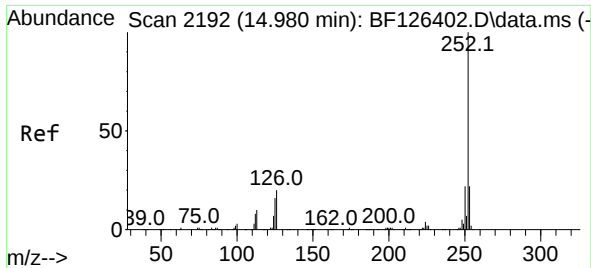
Ion Ratio Lower Upper

264 100

260 22.5 19.2 28.8

265 20.3 17.4 26.2

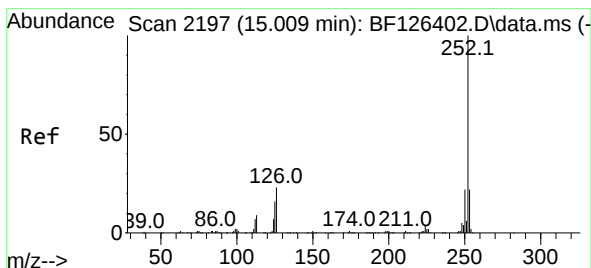
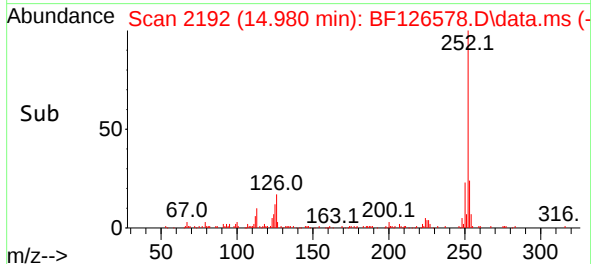
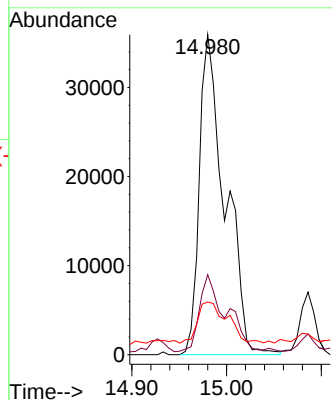
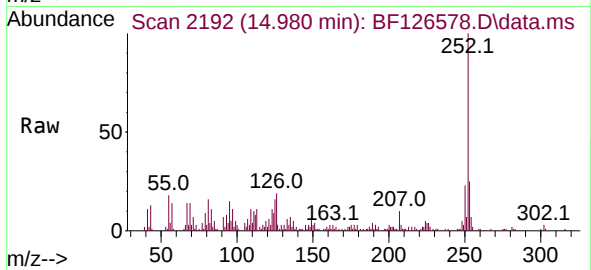




#88
Benzo(b)fluoranthene
Concen: 7.239 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

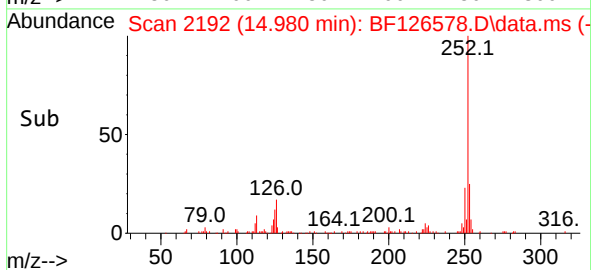
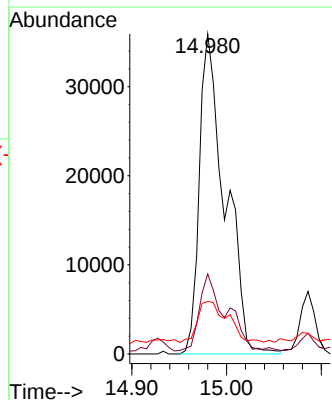
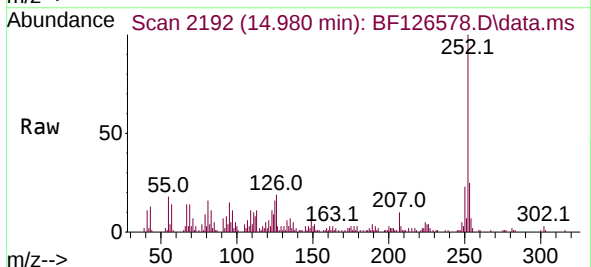
Instrument :
BNA_F
ClientSampleId :
289

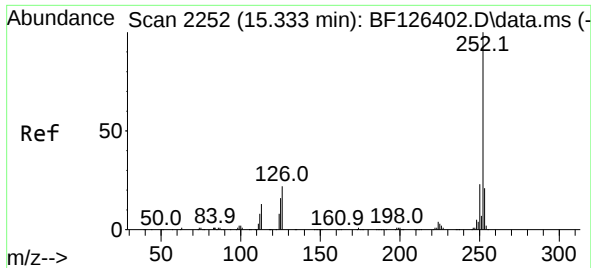
Tgt Ion:252 Resp: 67799
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 16.4 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 7.473 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

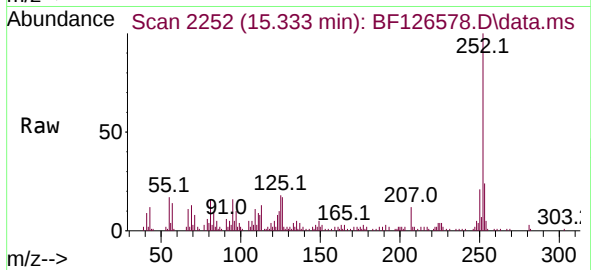
Tgt Ion:252 Resp: 67799
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 16.4 11.8 17.6





#90
Benzo(a)pyrene
Concen: 4.830 ng
RT: 15.333 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126578.D
Acq: 10 Jan 2022 20:35

Instrument :
BNA_F
ClientSampleId :
289



Tgt Ion:252	Resp:	37930
Ion Ratio	Lower	Upper
252	100	
253	24.3	17.1 25.7
125	18.1	13.0 19.6

