

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133336.D
 Acq On : 10 May 2023 18:03
 Operator : CG\JU
 Sample : 02719-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01 0-2 20230509

Quant Time: May 11 03:41:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

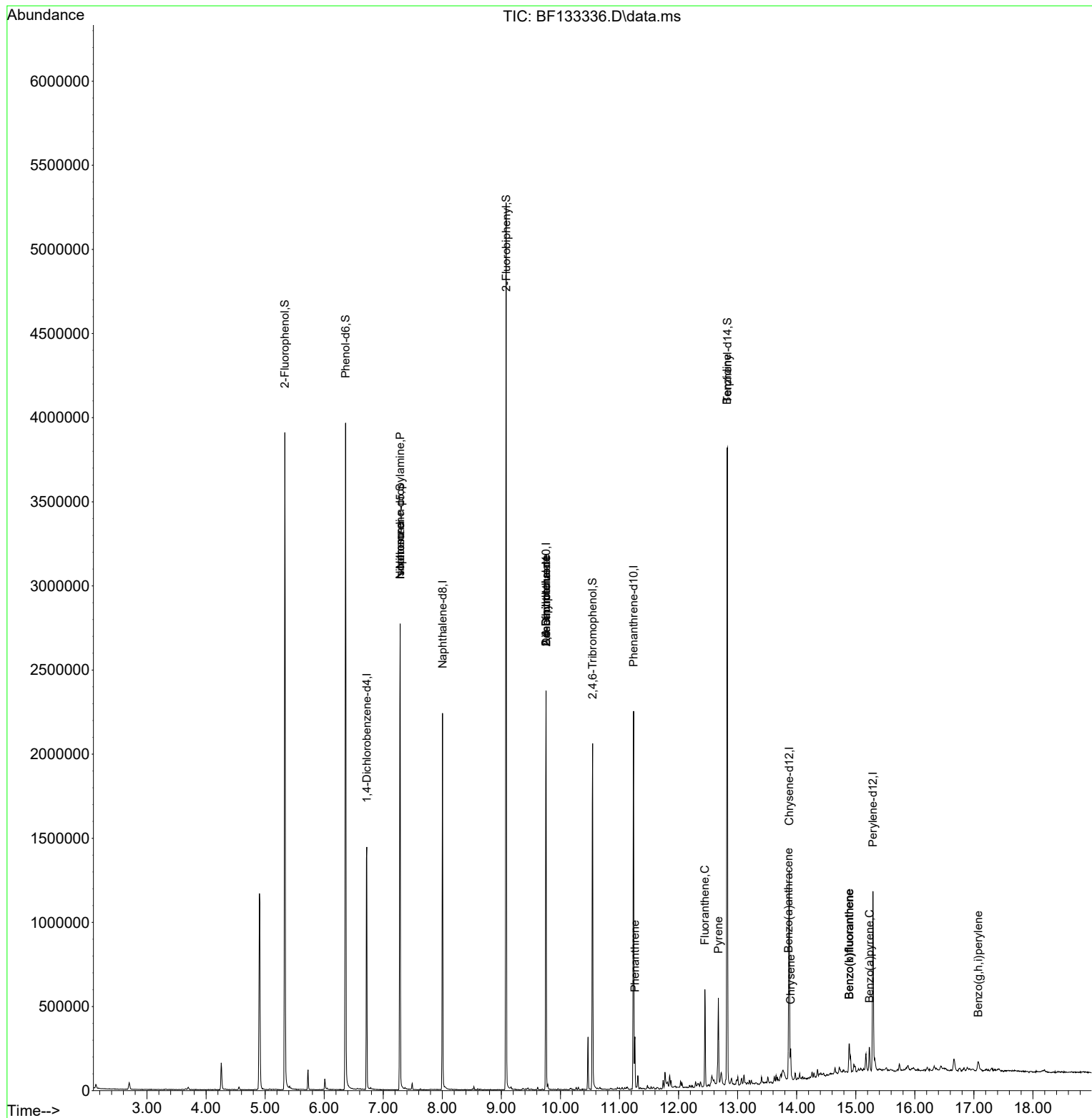
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	214902	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	875138	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	457575	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	792173	20.000	ng	# 0.00
76) Chrysene-d12	13.874	240	382070	20.000	ng	0.00
86) Perylene-d12	15.292	264	453914	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1135585	79.824	ng	0.00
7) Phenol-d6	6.363	99	1367470	77.443	ng	0.00
23) Nitrobenzene-d5	7.287	82	818161	50.463	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	228374	49.627	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1498069	54.773	ng	0.00
79) Terphenyl-d14	12.827	244	1412704	63.770	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	547	Below Cal	#	35
19) n-Nitroso-di-n-propyla...	7.287	70	109170	9.931	ng	# 75
25) Isophorone	7.287	82	818076	26.575	ng	# 63
50) Dimethylphthalate	9.757	163	93545	2.932	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	59715	8.316	ng	# 24
57) 2,4-Dinitrotoluene	9.757	165	59715	6.521	ng	# 23
71) Phenanthrene	11.263	178	106905	2.511	ng	97
75) Fluoranthene	12.445	202	220542	5.161	ng	98
77) Benzidine	12.821	184	17614	2.726	ng	# 95
78) Pyrene	12.674	202	195070	5.956	ng	100
81) Benzo(a)anthracene	13.863	228	77326	2.943	ng	96
83) Chrysene	13.898	228	64304	2.448	ng	97
88) Benzo(b)fluoranthene	14.892	252	119736	4.146	ng	96
89) Benzo(k)fluoranthene	14.892	252	119736	4.183	ng	96
90) Benzo(a)pyrene	15.233	252	66301	2.522	ng	99
92) Benzo(g,h,i)perylene	17.074	276	44608	2.098	ng	99

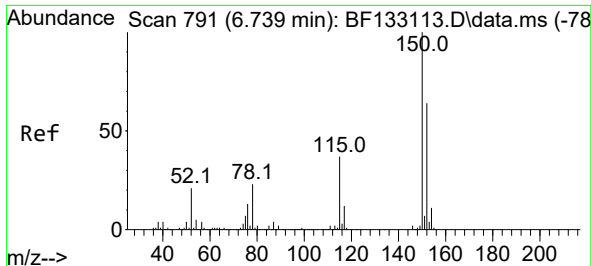
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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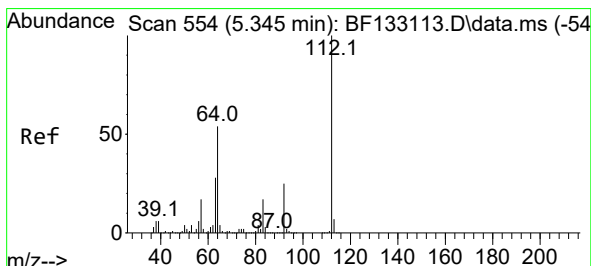
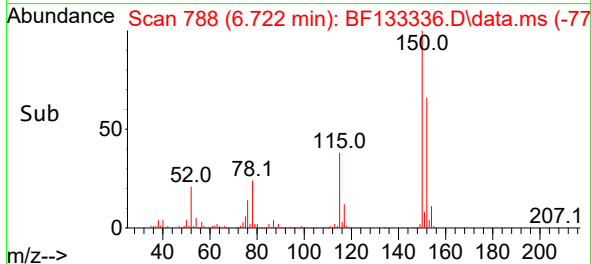
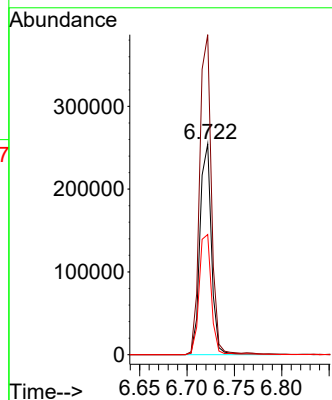
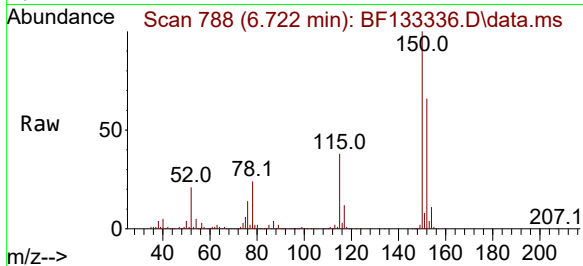




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

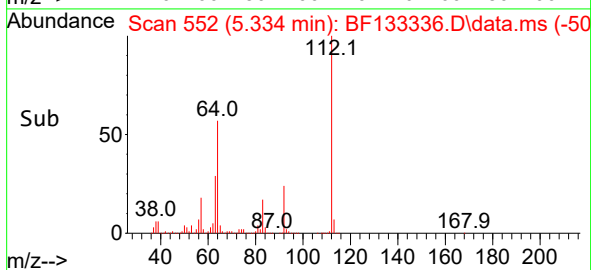
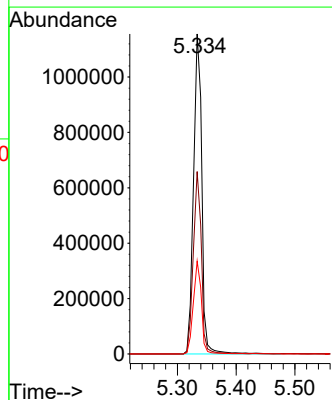
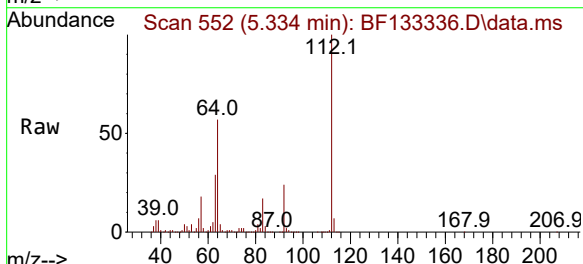
Instrument :
 BNA_F
 ClientSampleId :
 SB-01_0-2_20230509

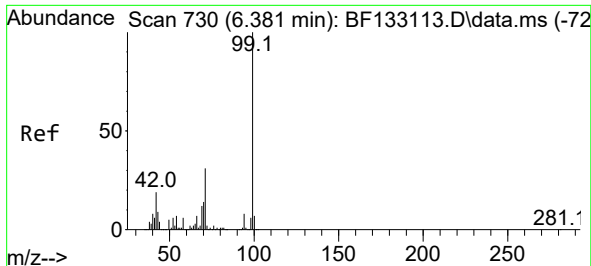
Tgt Ion:152 Resp: 214902
 Ion Ratio Lower Upper
 152 100
 150 151.9 124.8 187.2
 115 57.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 79.824 ng
 RT: 5.334 min Scan# 552
 Delta R.T. 0.006 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

Tgt Ion:112 Resp: 1135585
 Ion Ratio Lower Upper
 112 100
 64 57.0 46.8 70.2
 63 29.0 23.8 35.8

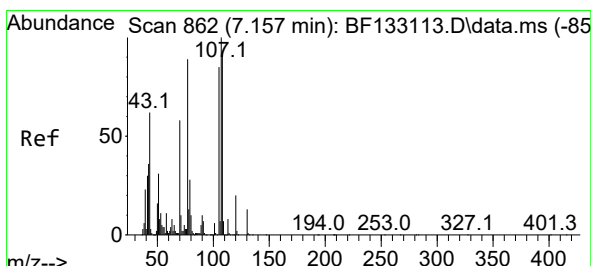
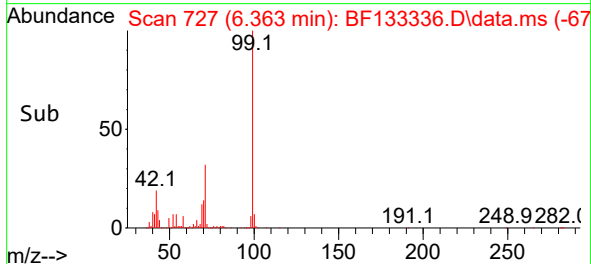
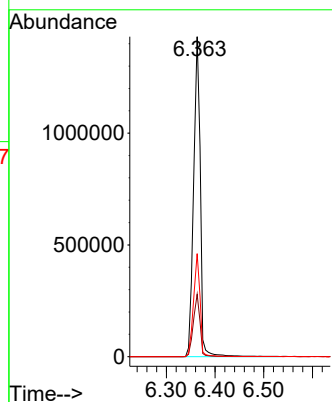
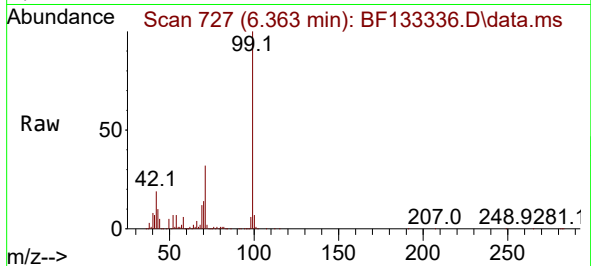




#7
Phenol-d6
Concen: 77.443 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

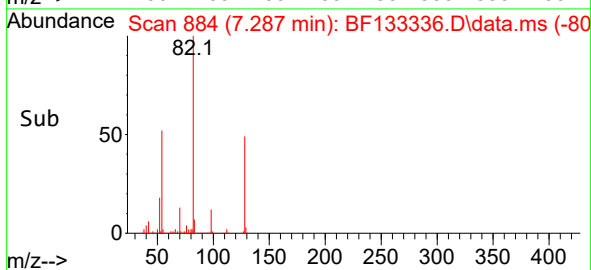
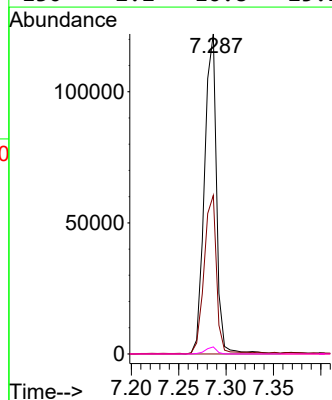
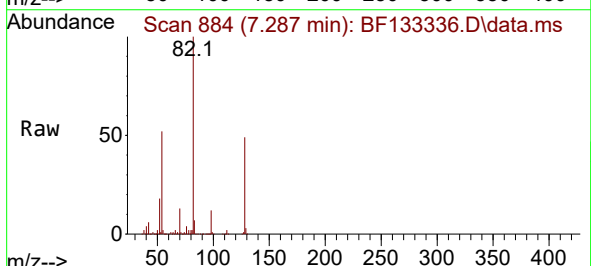
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509

Tgt Ion: 99 Resp: 1367470
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 32.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.931 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

Tgt Ion: 70 Resp: 109170
Ion Ratio Lower Upper
70 100
42 49.6 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

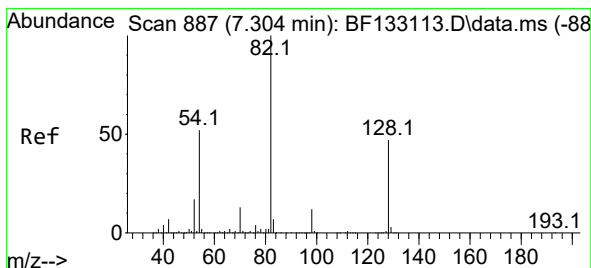
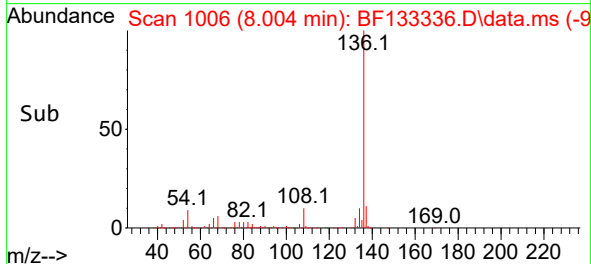
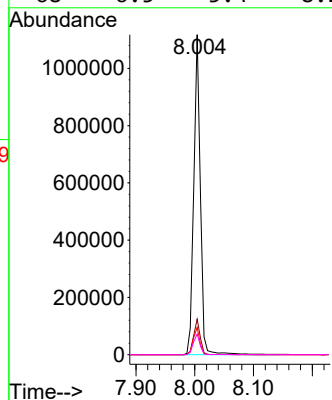
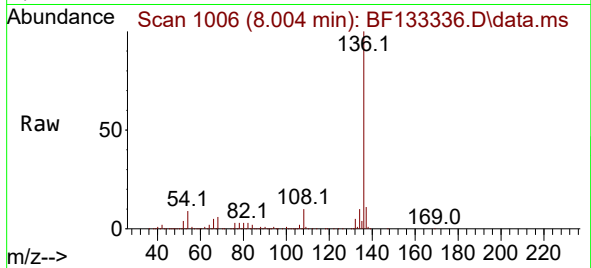




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

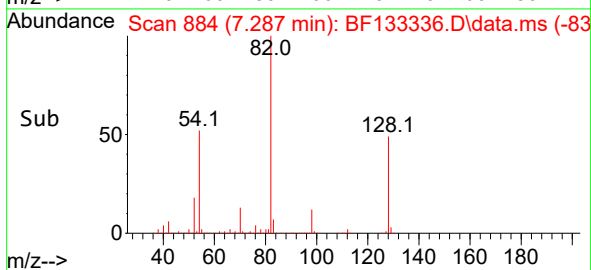
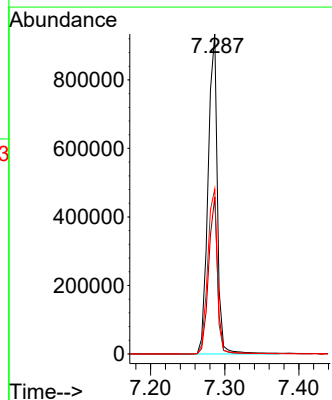
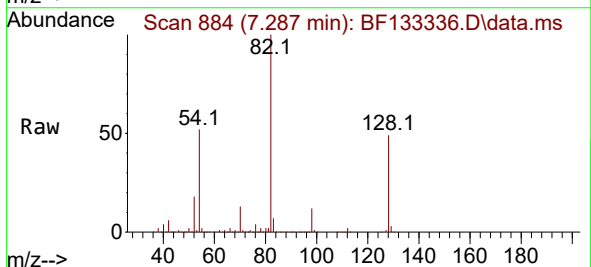
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509

Tgt Ion:136 Resp: 875138
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.5 7.0 10.4
68 6.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 50.463 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

Tgt Ion: 82 Resp: 818161
Ion Ratio Lower Upper
82 100
128 49.1 37.7 56.5
54 51.6 43.0 64.4

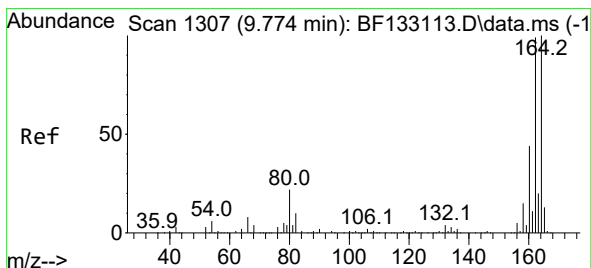
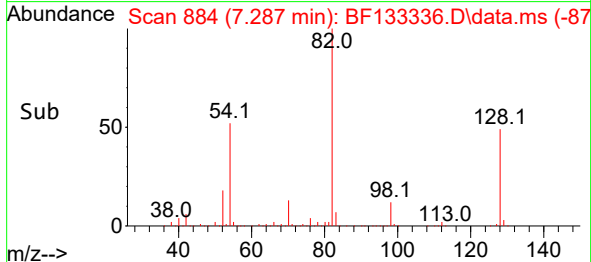
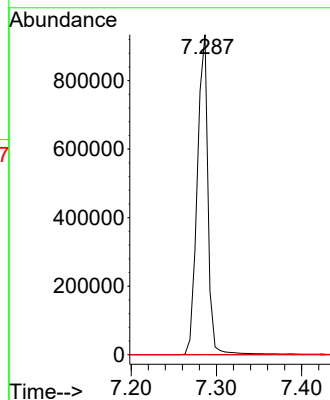
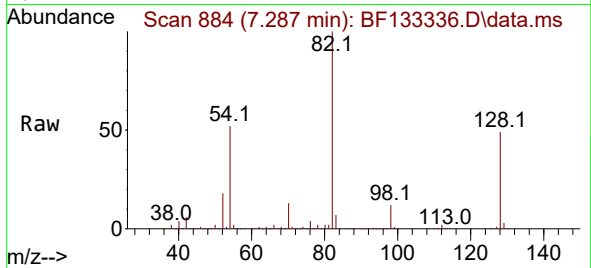




#25
Isophorone
Concen: 26.575 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

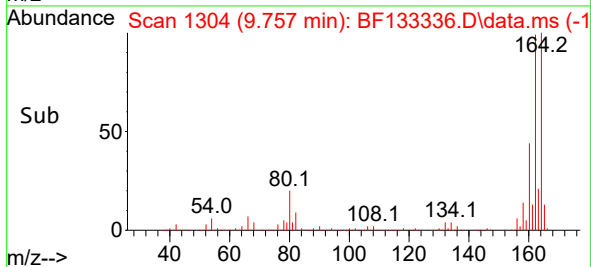
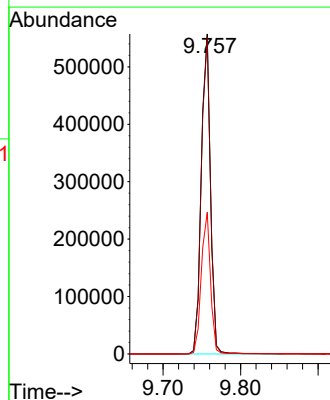
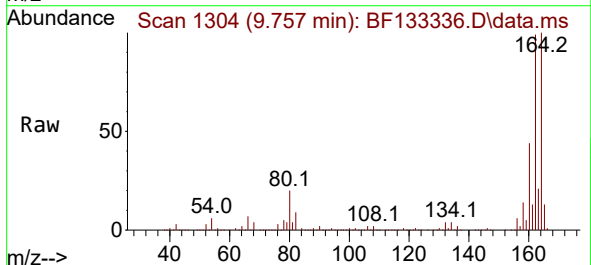
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509

Tgt Ion: 82 Resp: 818076
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

Tgt Ion:164 Resp: 457575
Ion Ratio Lower Upper
164 100
162 98.9 78.7 118.1
160 44.2 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 49.627 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133336.D

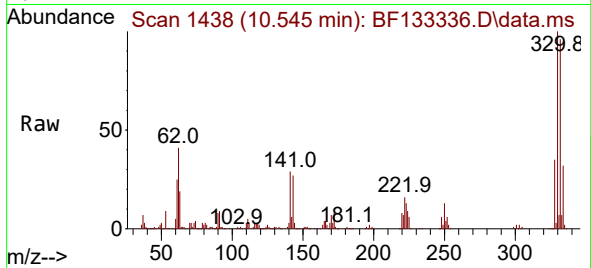
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Instrument :

BNA_F

ClientSampleId :

SB-01_0-2_20230509



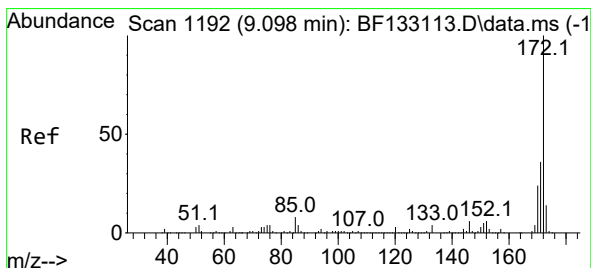
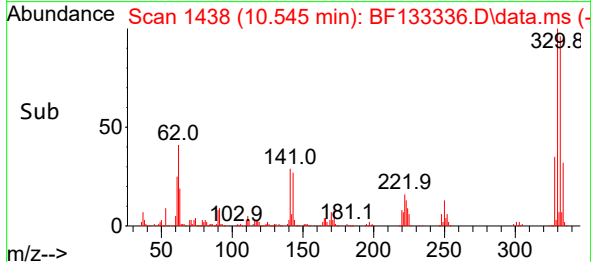
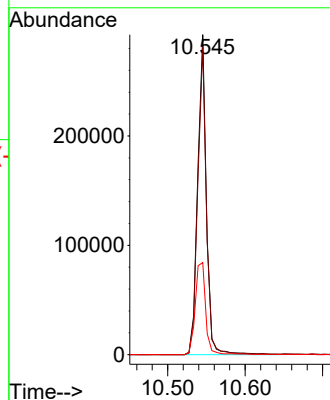
Tgt Ion:330 Resp: 228374

Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

141 34.7 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 54.773 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133336.D

Acq: 10 May 2023 18:03

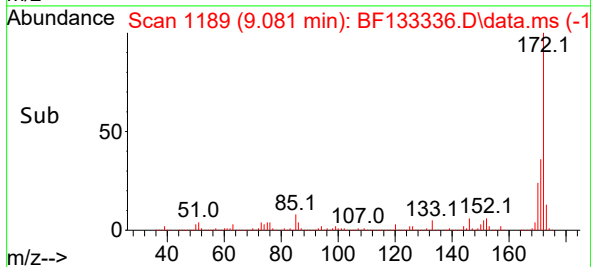
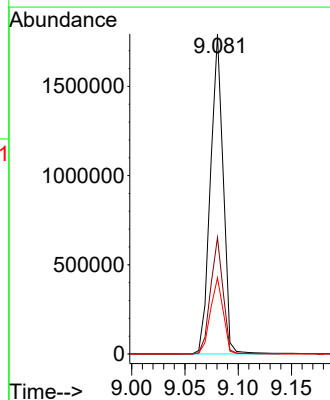
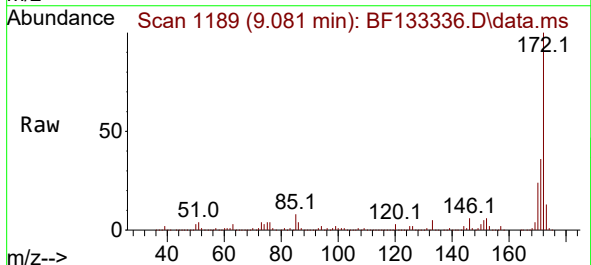
Tgt Ion:172 Resp: 1498069

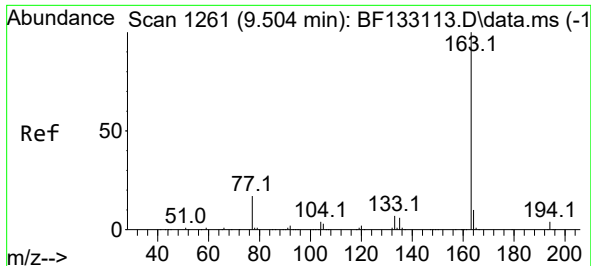
Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 23.8 19.4 29.2

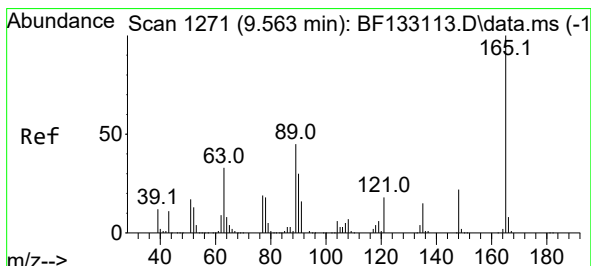
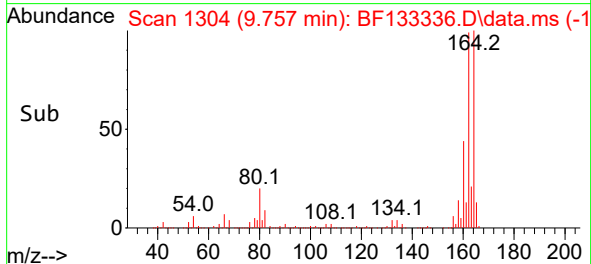
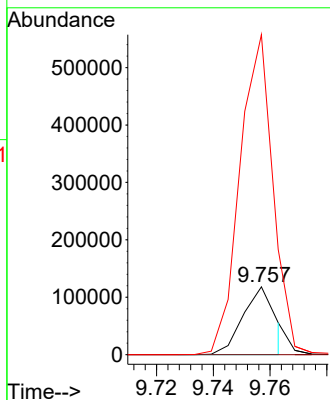
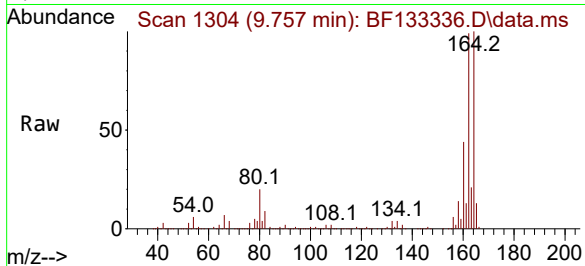




#50
Dimethylphthalate
Concen: 2.932 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.265 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

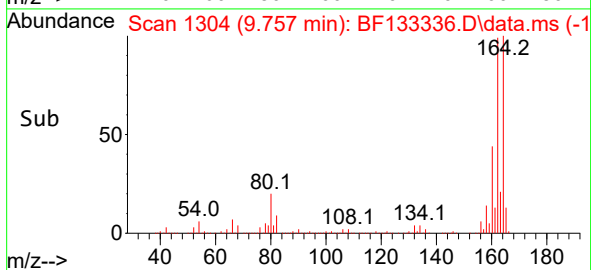
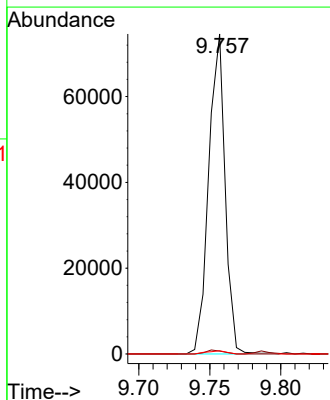
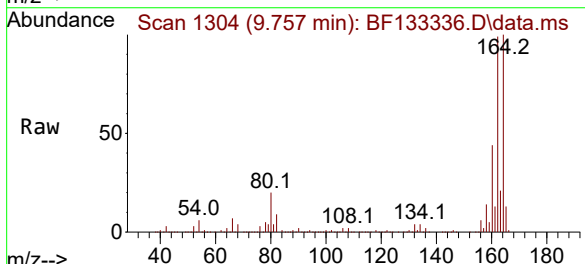
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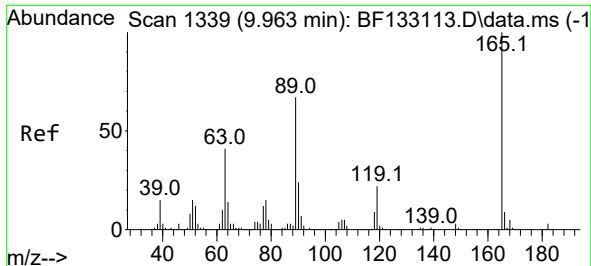
Tgt Ion:163 Resp: 93545
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 471.8 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.316 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

Tgt Ion:165 Resp: 59715
Ion Ratio Lower Upper
165 100
63 0.9 45.9 68.9#
89 1.0 44.0 66.0#

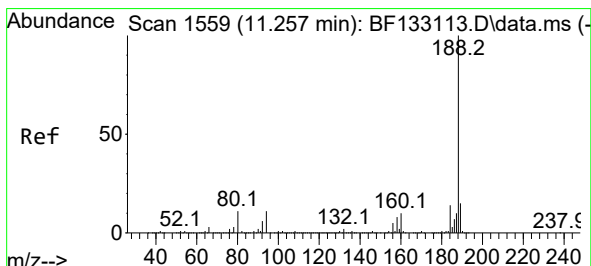
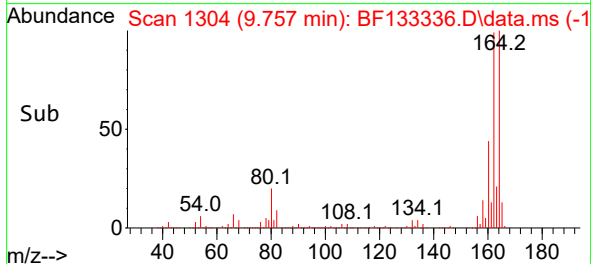
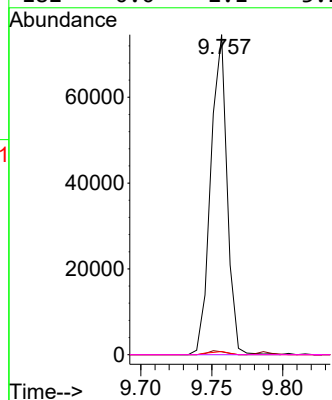
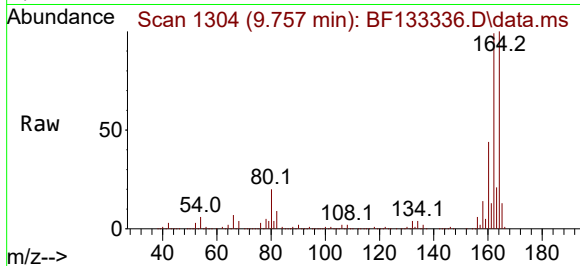




#57
2,4-Dinitrotoluene
Concen: 6.521 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

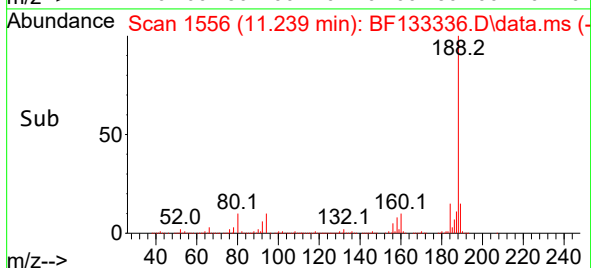
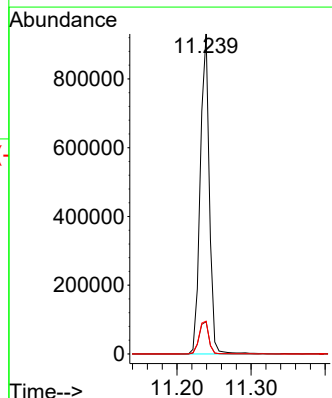
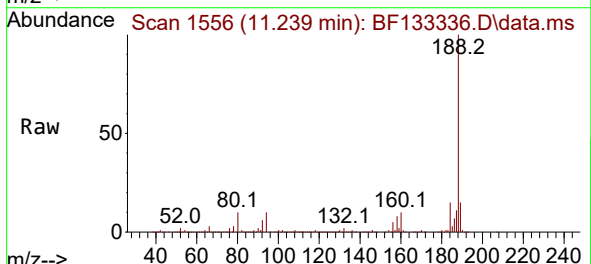
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509

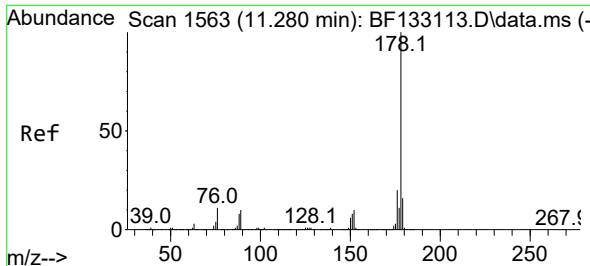
Tgt Ion:165 Resp: 59715
Ion Ratio Lower Upper
165 100
63 0.9 37.7 56.5#
89 1.0 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

Tgt Ion:188 Resp: 792173
Ion Ratio Lower Upper
188 100
94 10.1 9.7 14.5
80 10.3 10.4 15.6#

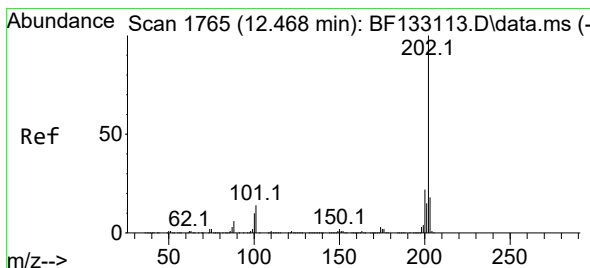
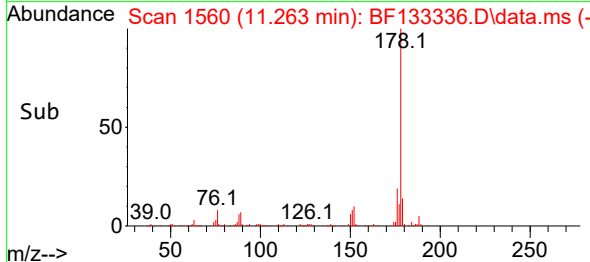
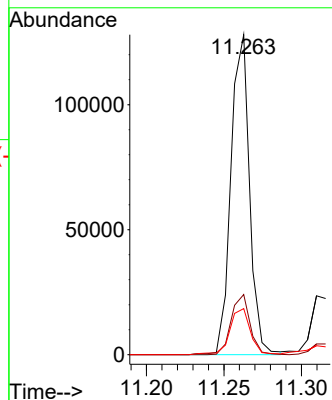
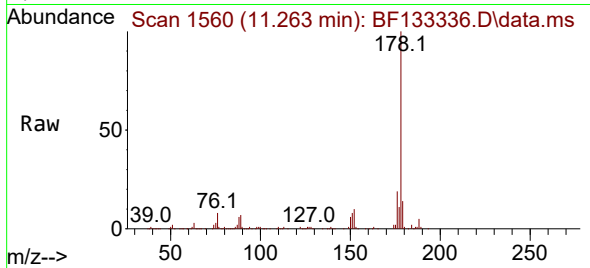




#71
Phenanthrene
Concen: 2.511 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

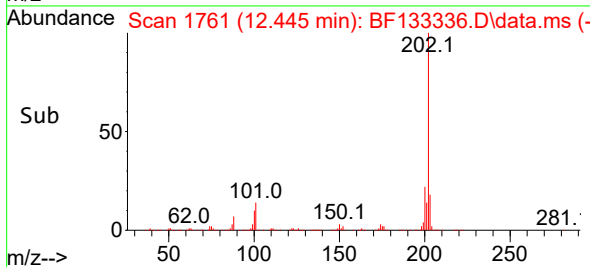
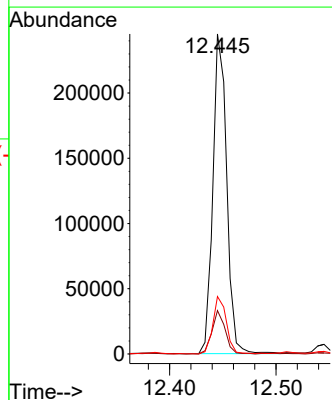
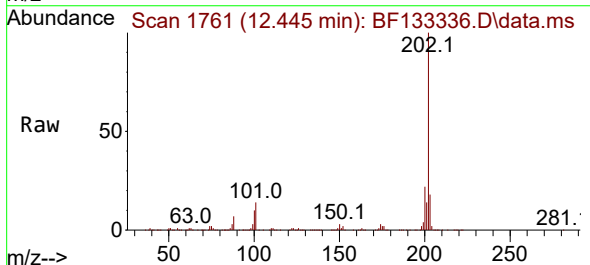
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509

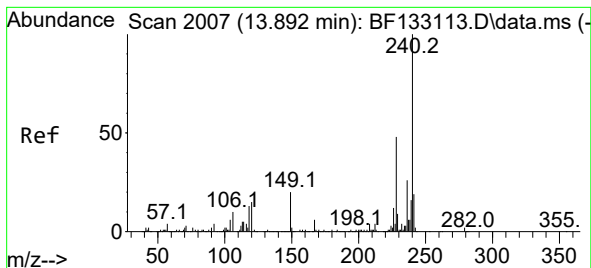
Tgt Ion:178 Resp: 106905
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 14.4 12.5 18.7



#75
Fluoranthene
Concen: 5.161 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

Tgt Ion:202 Resp: 220542
Ion Ratio Lower Upper
202 100
101 13.5 0.0 35.3
203 18.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133336.D

Acq: 10 May 2023 18:03

Instrument :

BNA_F

ClientSampleId :

SB-01_0-2_20230509

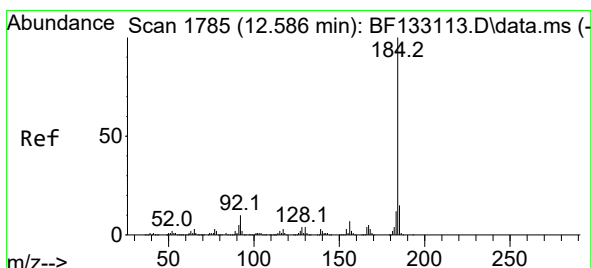
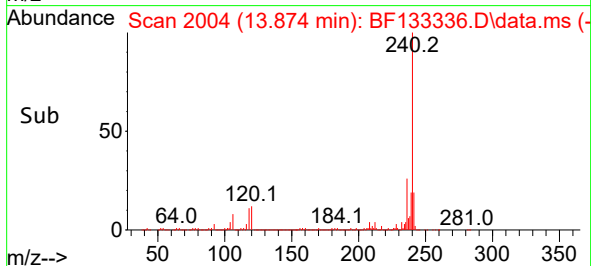
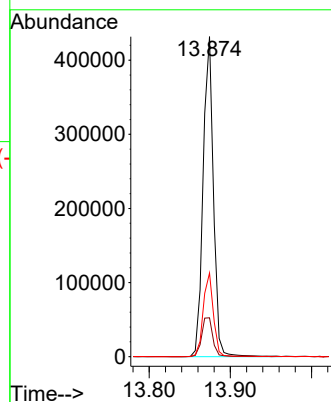
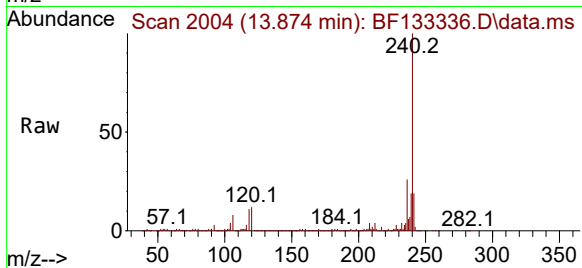
Tgt Ion:240 Resp: 382070

Ion Ratio Lower Upper

240 100

120 12.2 10.5 15.7

236 26.2 21.5 32.3



#77

Benidine

Concen: 2.726 ng

RT: 12.821 min Scan# 1825

Delta R.T. 0.247 min

Lab File: BF133336.D

Acq: 10 May 2023 18:03

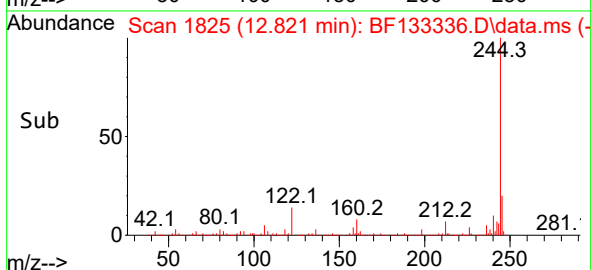
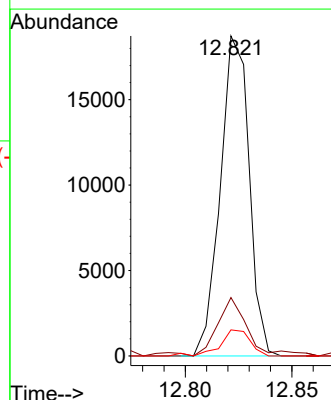
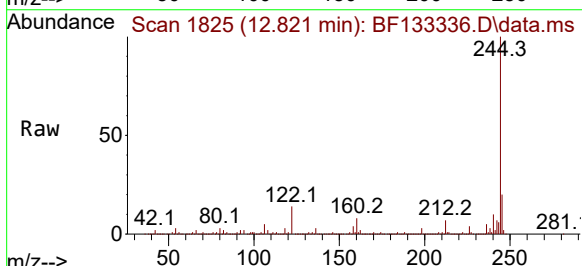
Tgt Ion:184 Resp: 17614

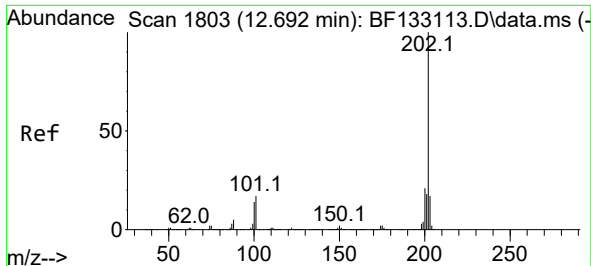
Ion Ratio Lower Upper

184 100

185 18.2 15.4 23.2

183 8.2 9.4 14.0#

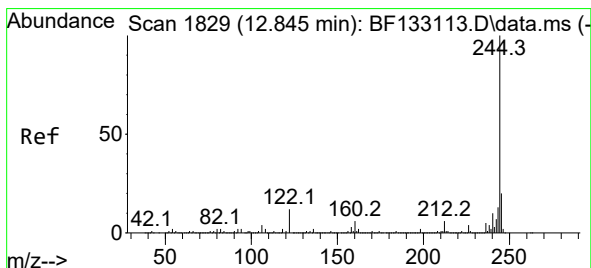
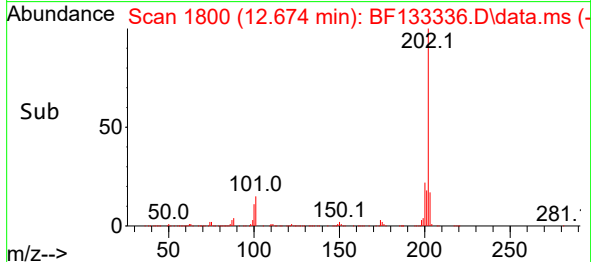
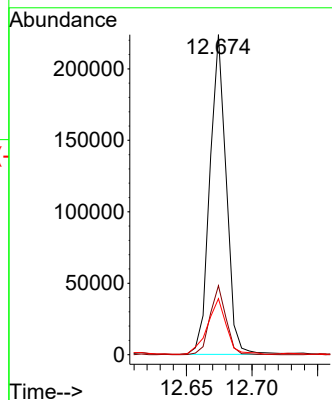
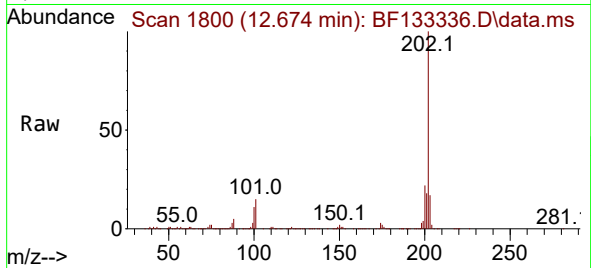




#78
 Pyrene
 Concen: 5.956 ng
 RT: 12.674 min Scan# 1800
 Delta R.T. -0.006 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

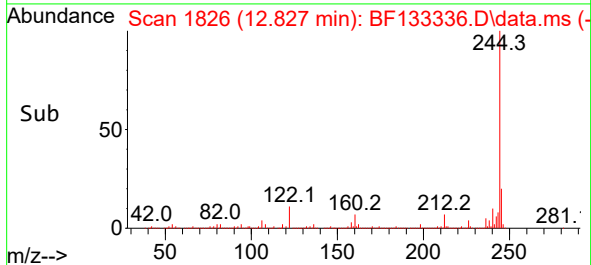
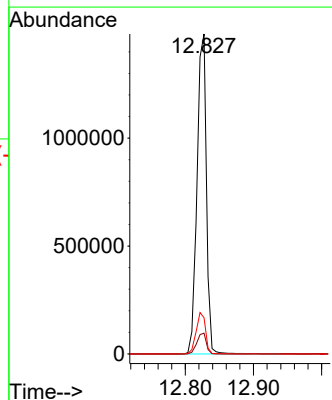
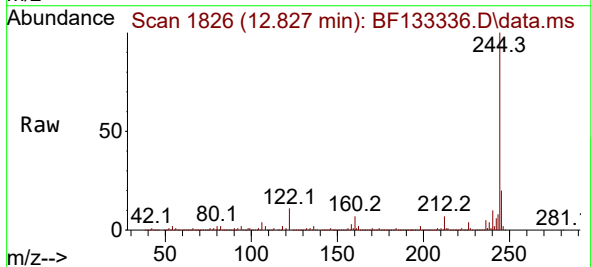
Instrument :
 BNA_F
 ClientSampleId :
 SB-01_0-2_20230509

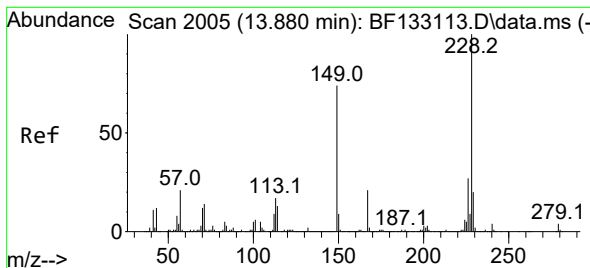
Tgt Ion:202 Resp: 195070
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.1 25.7
 203 17.5 14.1 21.1



#79
 Terphenyl-d14
 Concen: 63.770 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

Tgt Ion:244 Resp: 1412704
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 11.3 8.6 13.0





#81

Benzo(a)anthracene

Concen: 2.943 ng

RT: 13.863 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF133336.D

Acq: 10 May 2023 18:03

Instrument :

BNA_F

ClientSampleId :

SB-01_0-2_20230509

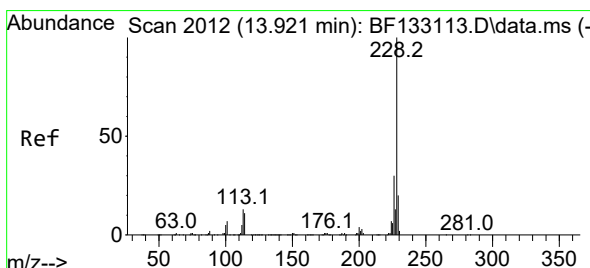
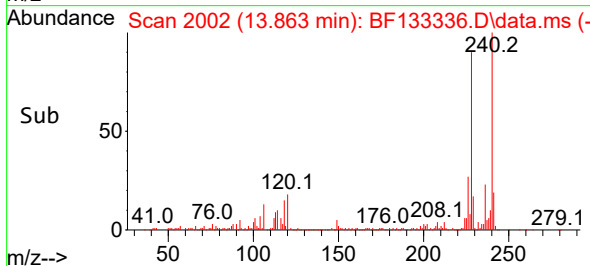
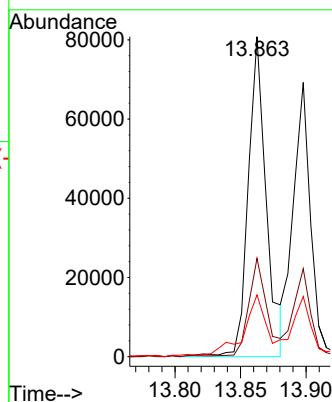
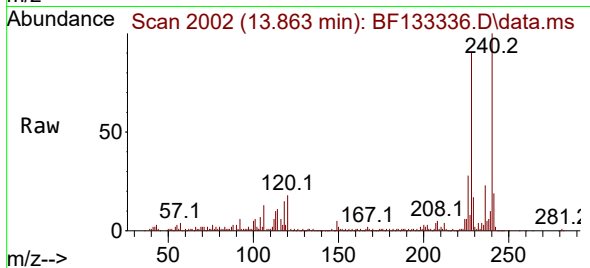
Tgt Ion:228 Resp: 77326

Ion Ratio Lower Upper

228 100

226 30.8 22.2 33.4

229 19.3 16.0 24.0



#83

Chrysene

Concen: 2.448 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133336.D

Acq: 10 May 2023 18:03

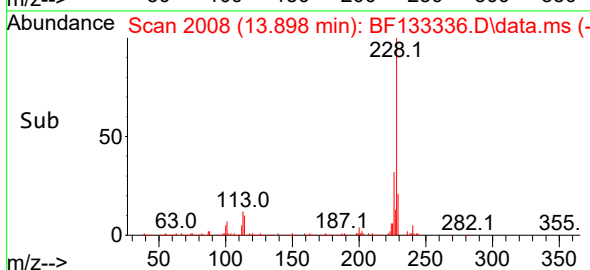
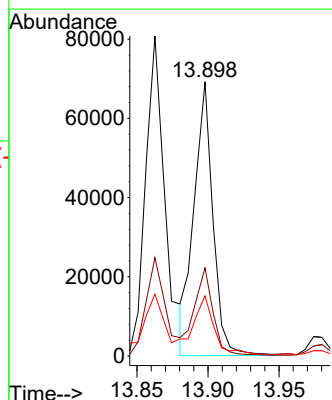
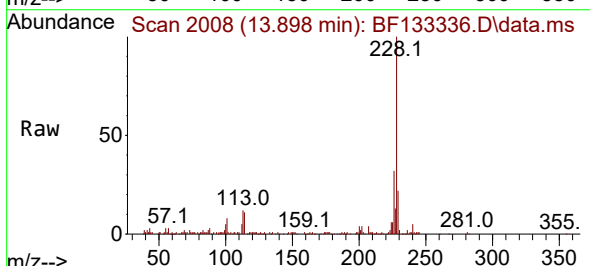
Tgt Ion:228 Resp: 64304

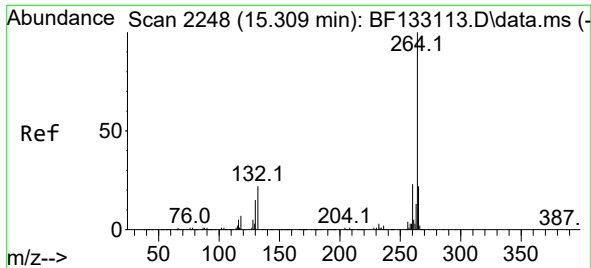
Ion Ratio Lower Upper

228 100

226 32.1 24.7 37.1

229 22.0 16.1 24.1

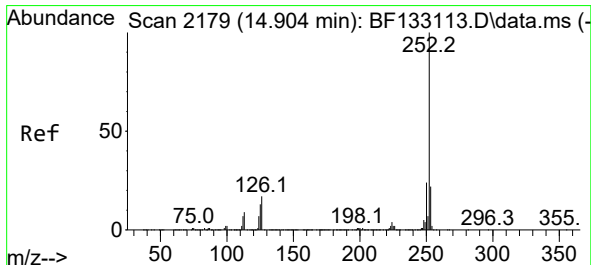
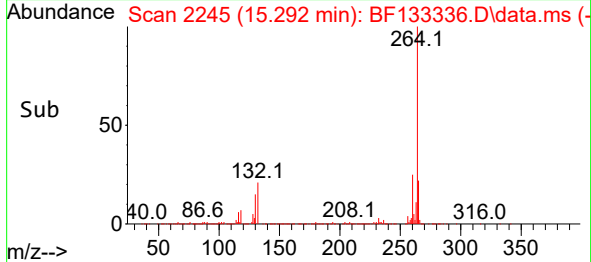
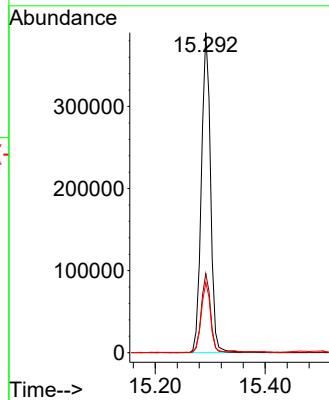
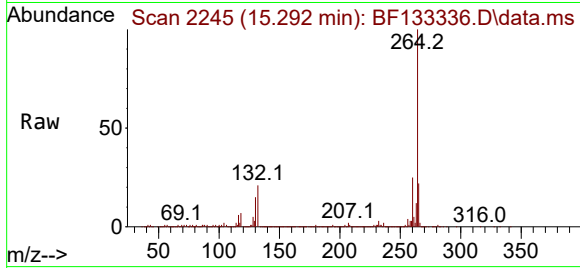




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2177
 Delta R.T. 0.000 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

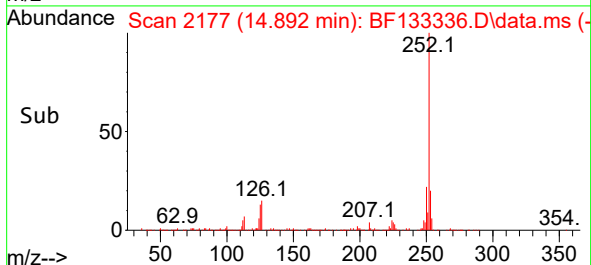
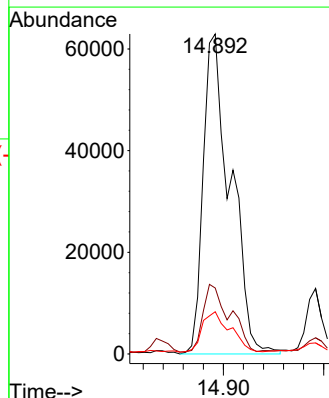
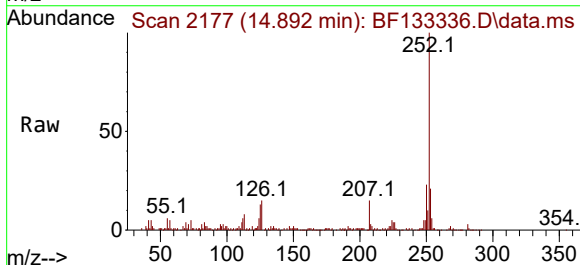
Instrument :
 BNA_F
 ClientSampleId :
 SB-01_0-2_20230509

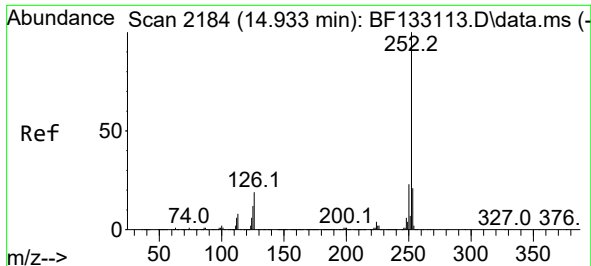
Tgt Ion:264 Resp: 453914
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 21.9 17.0 25.4



#88
 Benzo(b)fluoranthene
 Concen: 4.146 ng
 RT: 14.892 min Scan# 2177
 Delta R.T. 0.000 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

Tgt Ion:252 Resp: 119736
 Ion Ratio Lower Upper
 252 100
 253 20.6 17.6 26.4
 125 13.2 8.9 13.3

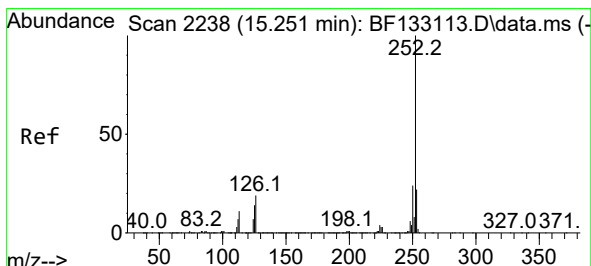
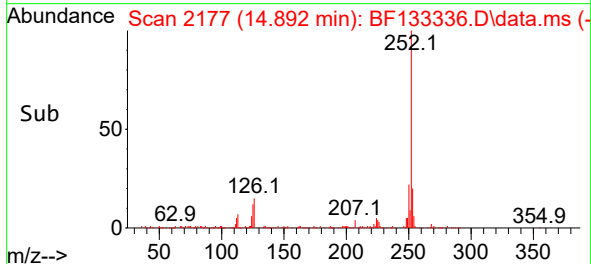
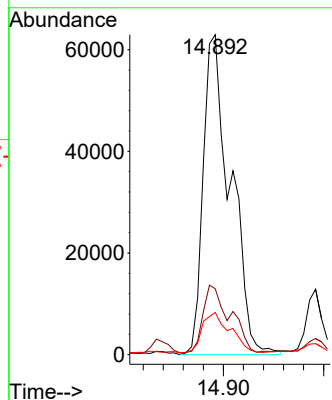
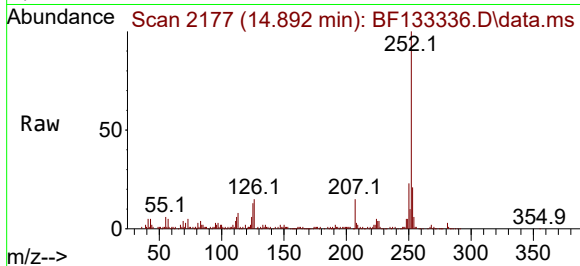




#89
Benzo(k)fluoranthene
Concen: 4.183 ng
RT: 14.892 min Scan# 2184
Delta R.T. -0.029 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

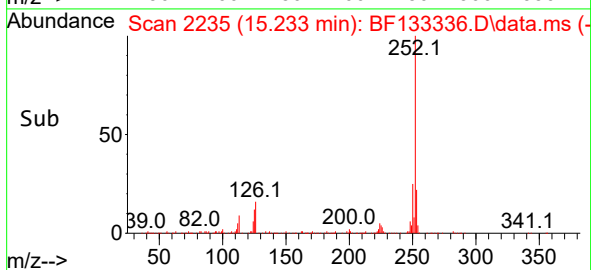
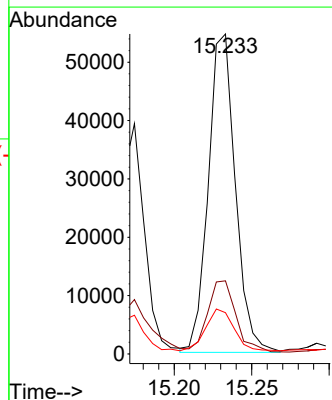
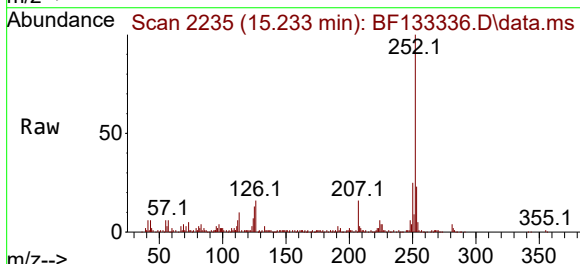
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509

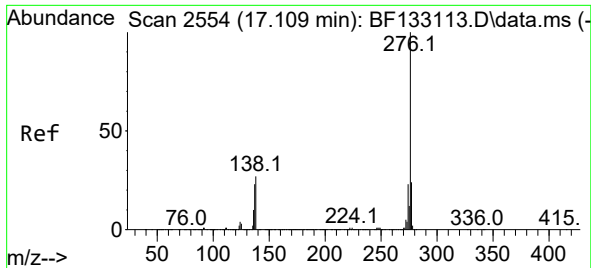
Tgt Ion:252 Resp: 119736
Ion Ratio Lower Upper
252 100
253 20.6 17.7 26.5
125 13.2 9.0 13.4



#90
Benzo(a)pyrene
Concen: 2.522 ng
RT: 15.233 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

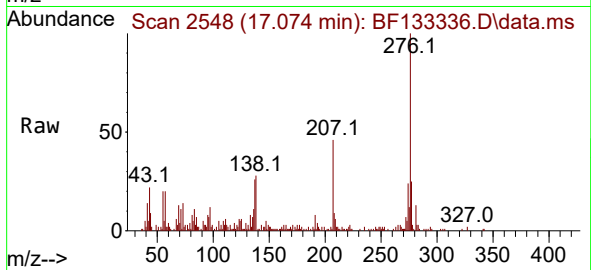
Tgt Ion:252 Resp: 66301
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.9 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 2.098 ng
 RT: 17.074 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-01_0-2_20230509



Tgt Ion:	276	Resp:	44608
Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.0
138	27.7	22.7	34.1

