

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
 Data File : BF133361.D
 Acq On : 11 May 2023 18:41
 Operator : CG\JU
 Sample : 02743-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP

Quant Time: May 12 04:31:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

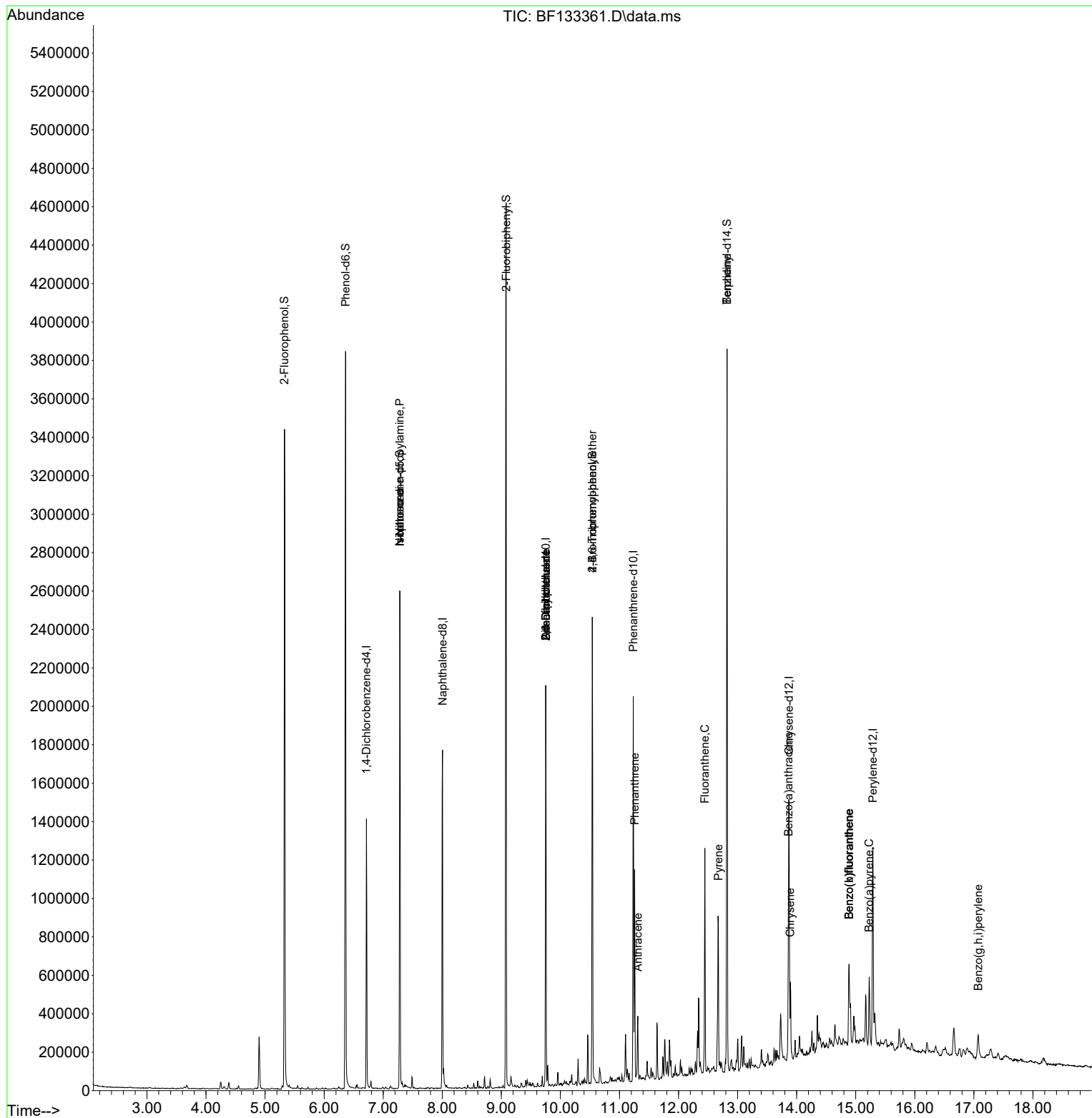
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	190382	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	747677	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	383289	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	652734	20.000	ng	0.00
76) Chrysene-d12	13.869	240	385168	20.000	ng	-0.01
86) Perylene-d12	15.292	264	480297	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1002751	79.565	ng	0.00
7) Phenol-d6	6.363	99	1242343	79.419	ng	0.00
23) Nitrobenzene-d5	7.281	82	757747	54.704	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	278382	72.219	ng	-0.01
45) 2-Fluorobiphenyl	9.081	172	1379021	60.192	ng	0.00
79) Terphenyl-d14	12.822	244	1230197	55.085	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	819	Below Cal	#	25
19) n-Nitroso-di-n-propyla...	7.281	70	101303	10.402	ng	# 77
25) Isophorone	7.281	82	757667	28.809	ng	# 63
50) Dimethylphthalate	9.751	163	72801	2.724	ng	# 1
51) 2,6-Dinitrotoluene	9.751	165	50365	8.373	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	50365	6.565	ng	# 24
67) 4-Bromophenyl-phenylether	10.539	248	17844	2.521	ng	# 1
71) Phenanthrene	11.257	178	347156	9.895	ng	99
72) Anthracene	11.310	178	115080	3.205	ng	98
75) Fluoranthene	12.445	202	394781	11.212	ng	96
77) Benzidine	12.822	184	15825	2.430	ng	# 92
78) Pyrene	12.675	202	338630	10.256	ng	99
81) Benzo(a)anthracene	13.863	228	169434	6.397	ng	98
83) Chrysene	13.892	228	162582	6.140	ng	98
88) Benzo(b)fluoranthene	14.886	252	299394	9.798	ng	# 96
89) Benzo(k)fluoranthene	14.886	252	299394	9.884	ng	# 97
90) Benzo(a)pyrene	15.227	252	156339	5.621	ng	99
92) Benzo(g,h,i)perylene	17.074	276	90957	4.043	ng	97

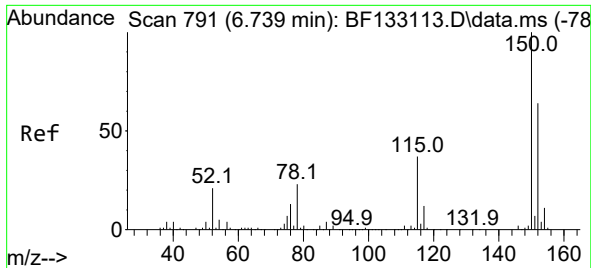
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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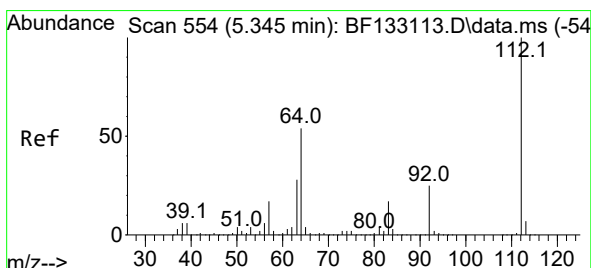
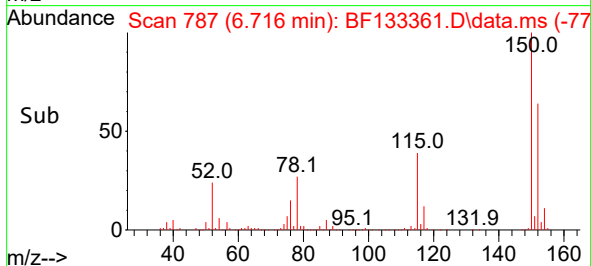
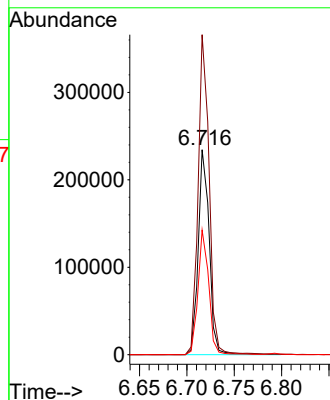
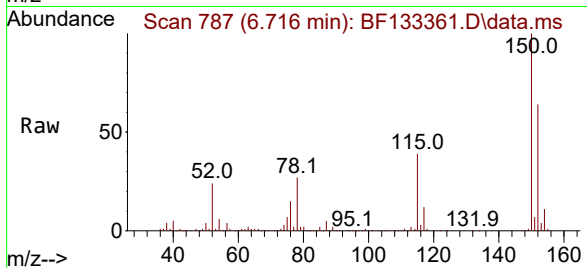




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

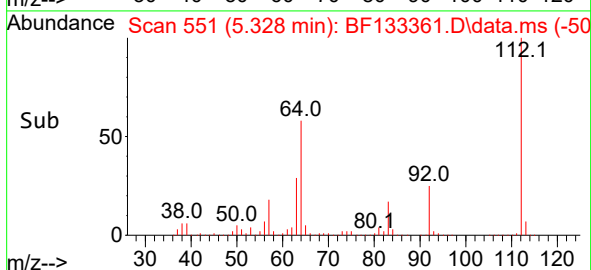
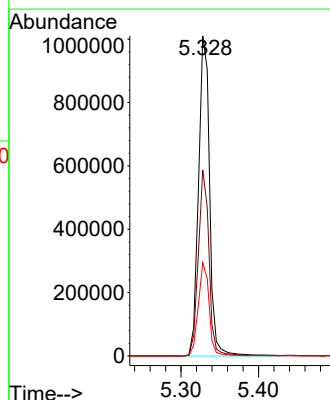
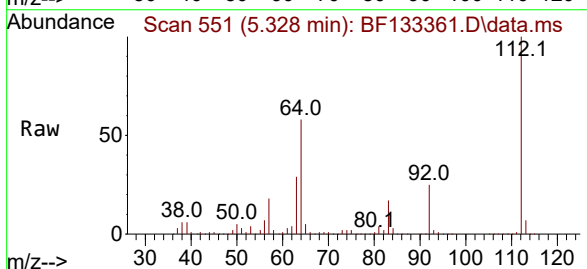
Instrument :
BNA_F
ClientSampleId :
RO-COMP

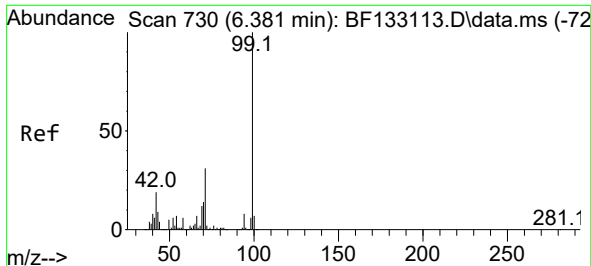
Tgt Ion:152 Resp: 190382
Ion Ratio Lower Upper
152 100
150 156.1 124.8 187.2
115 60.8 49.9 74.9



#5
2-Fluorophenol
Concen: 79.565 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:112 Resp: 1002751
Ion Ratio Lower Upper
112 100
64 58.2 46.8 70.2
63 29.2 23.8 35.8

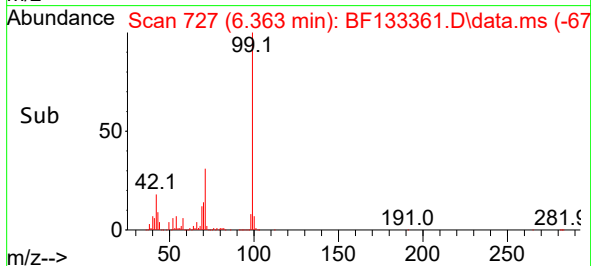
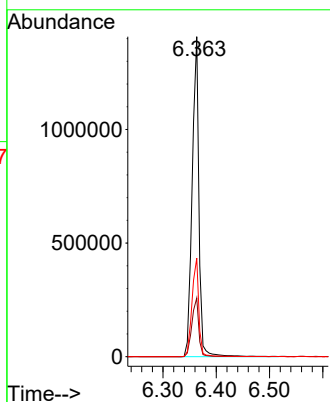
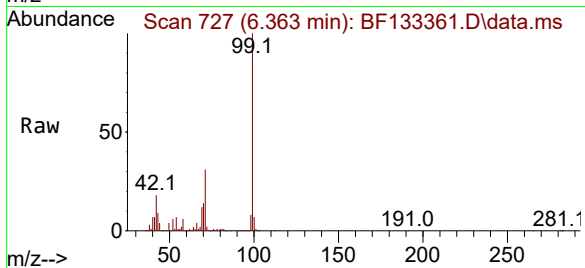




#7
Phenol-d6
Concen: 79.419 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

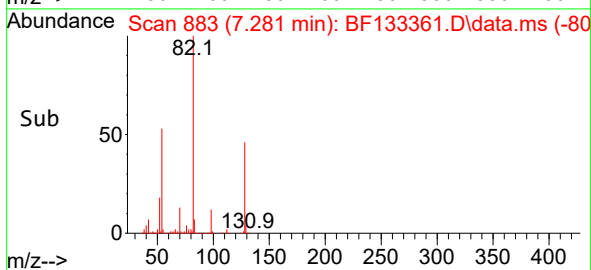
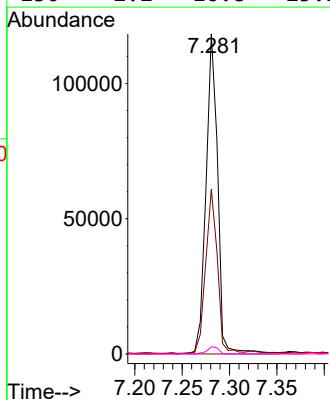
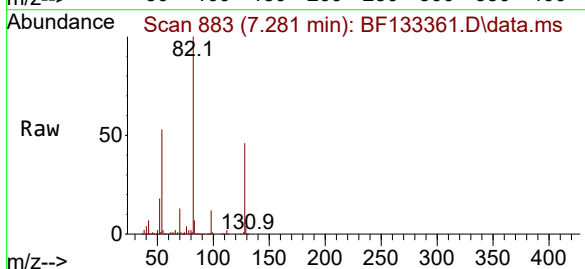
Instrument :
BNA_F
ClientSampleId :
RO-COMP

Tgt Ion: 99 Resp: 1242343
Ion Ratio Lower Upper
99 100
42 18.4 16.3 24.5
71 30.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.402 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion: 70 Resp: 101303
Ion Ratio Lower Upper
70 100
42 51.5 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# 1006

Delta R.T. -0.006 min

Lab File: BF133361.D

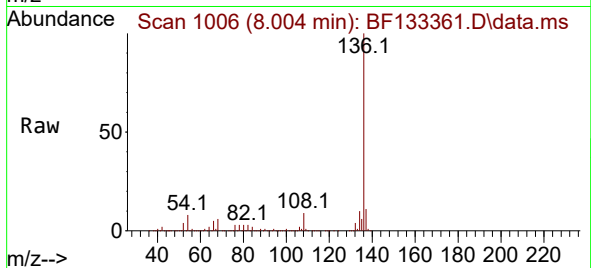
Acq: 11 May 2023 18:41

Instrument :

BNA_F

ClientSampleId :

RO-COMP



Tgt Ion:136 Resp: 747677

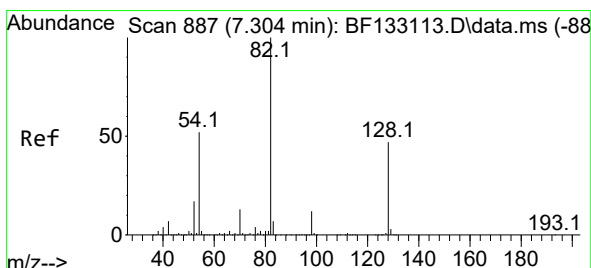
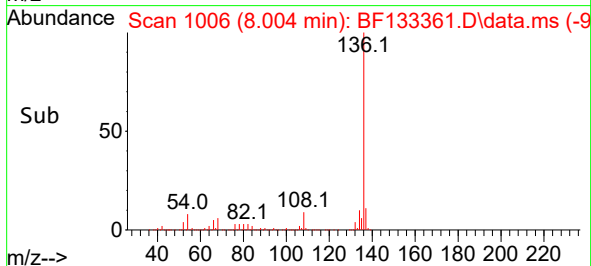
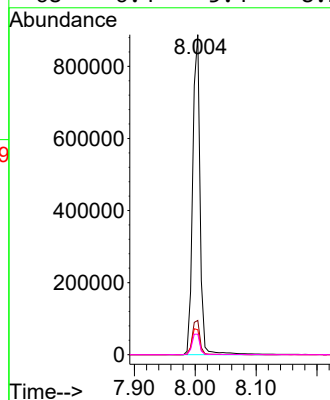
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.8 7.0 10.4

68 6.4 5.4 8.2



#23

Nitrobenzene-d5

Concen: 54.704 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133361.D

Acq: 11 May 2023 18:41

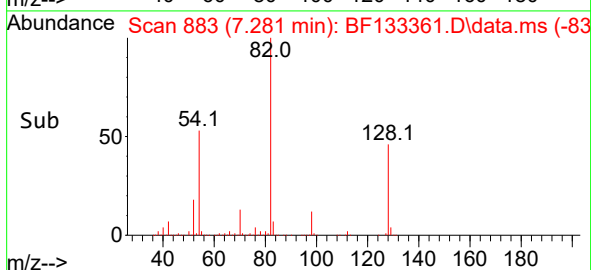
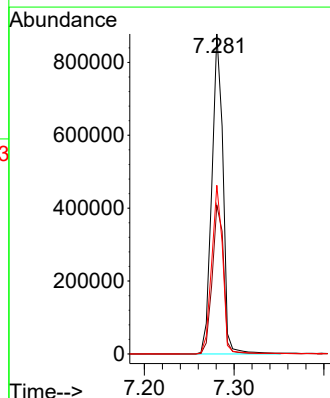
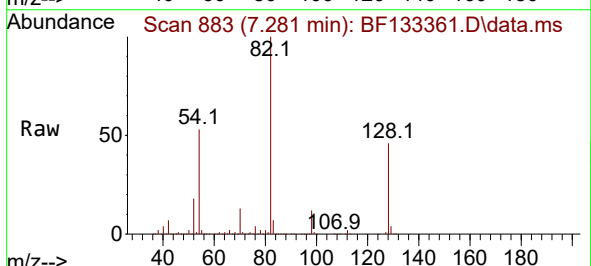
Tgt Ion: 82 Resp: 757747

Ion Ratio Lower Upper

82 100

128 46.4 37.7 56.5

54 52.7 43.0 64.4

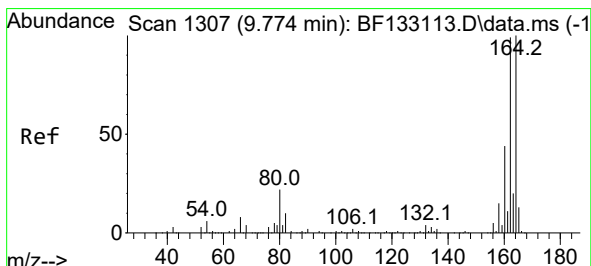
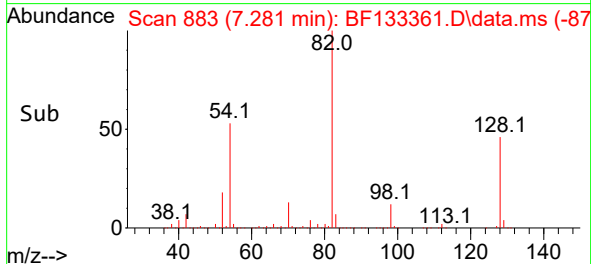
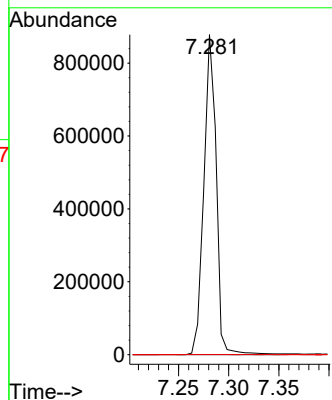
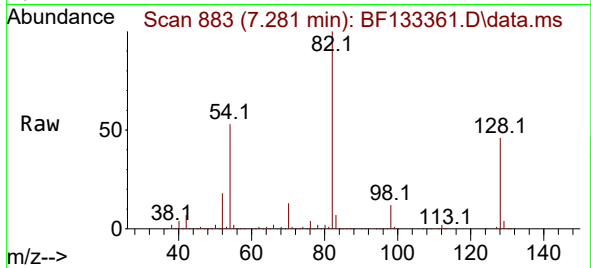




#25
Isophorone
Concen: 28.809 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

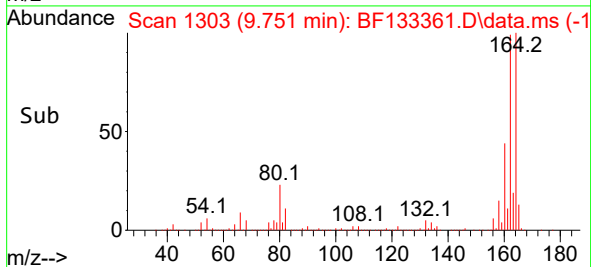
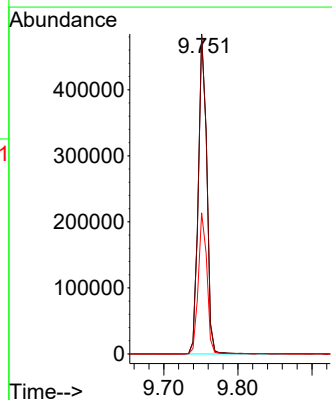
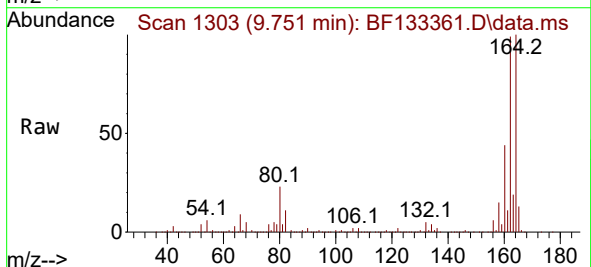
Instrument :
BNA_F
ClientSampleId :
RO-COMP

Tgt Ion: 82 Resp: 757667
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: 9.751 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:164 Resp: 383289
Ion Ratio Lower Upper
164 100
162 99.5 78.7 118.1
160 44.1 35.8 53.6

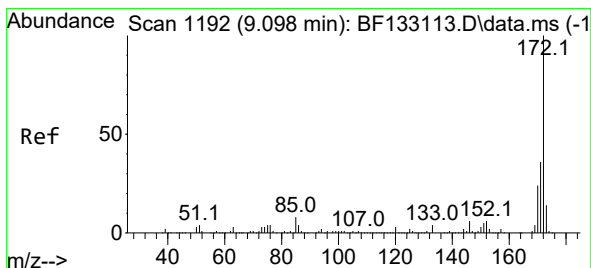
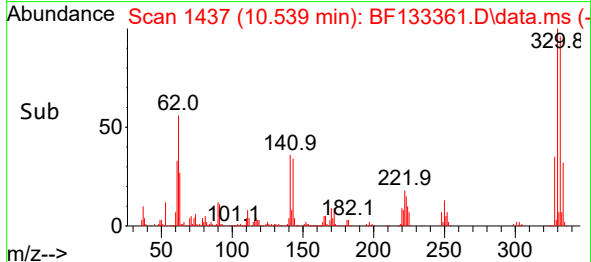
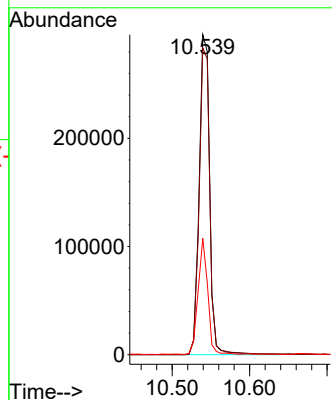
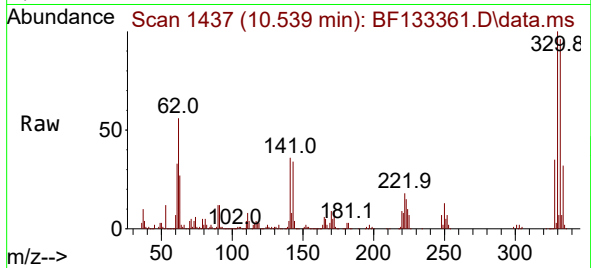




#42
2,4,6-Tribromophenol
Concen: 72.219 ng
RT: 10.539 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

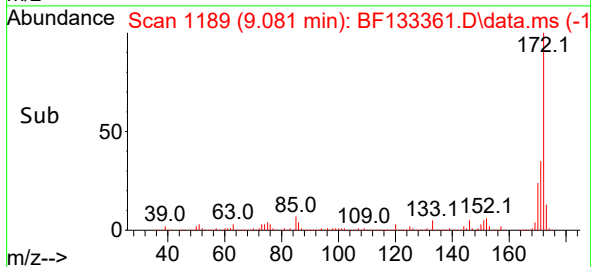
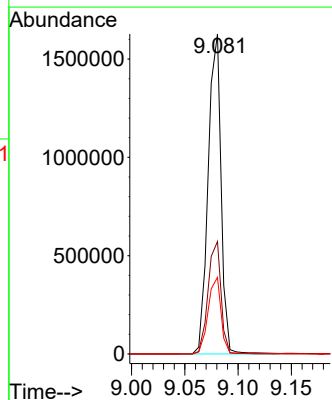
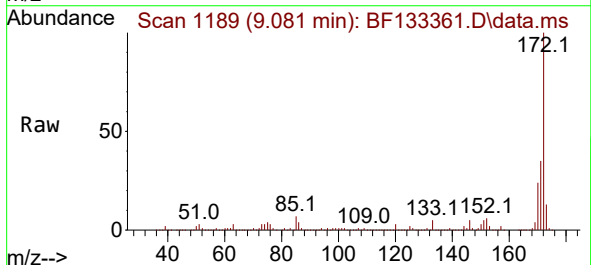
Instrument :
BNA_F
ClientSampleId :
RO-COMP

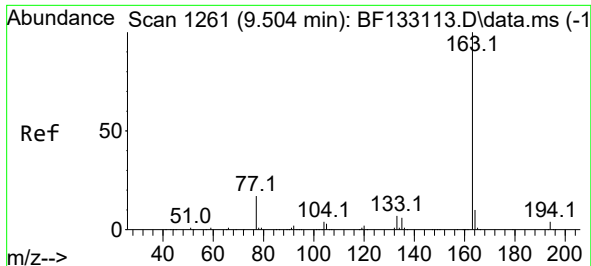
Tgt Ion:330 Resp: 278382
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 33.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 60.192 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:172 Resp: 1379021
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.9 19.4 29.2

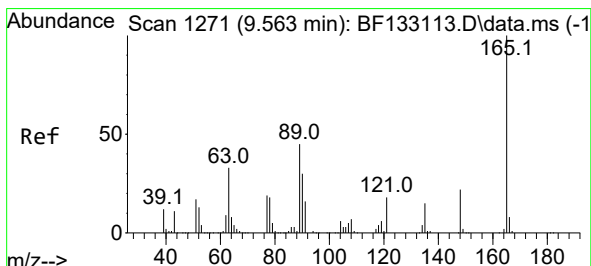
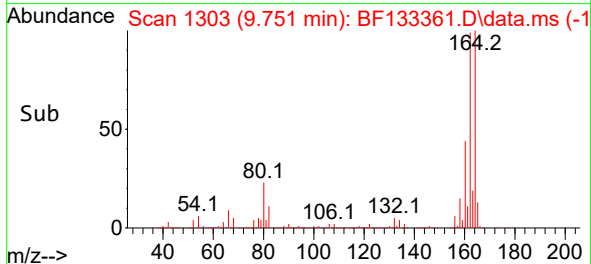
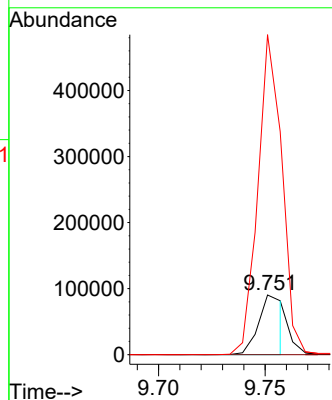
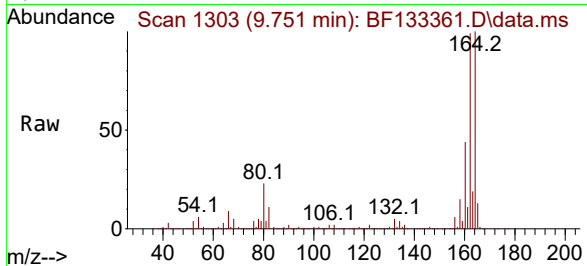




#50
Dimethylphthalate
Concen: 2.724 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

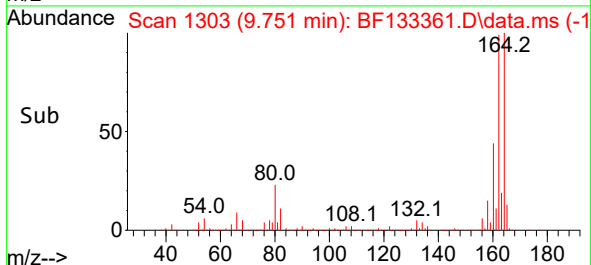
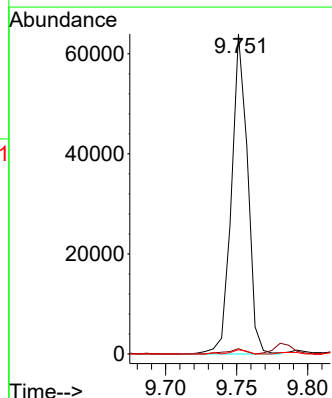
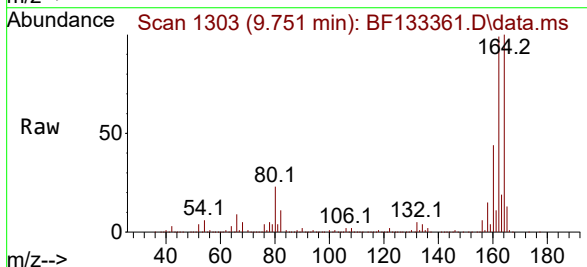
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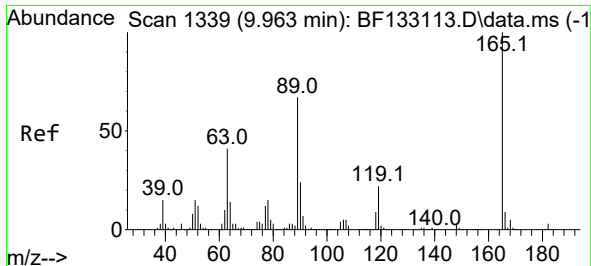
Tgt Ion:163 Resp: 72801
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 536.5 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.373 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.206 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:165 Resp: 50365
Ion Ratio Lower Upper
165 100
63 1.7 45.9 68.9#
89 1.3 44.0 66.0#

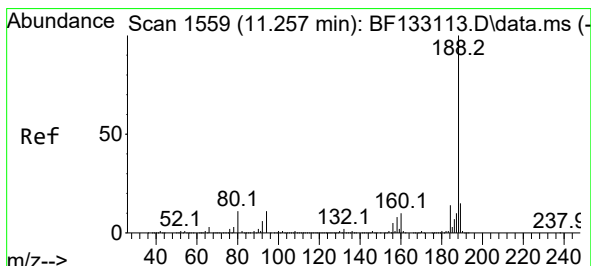
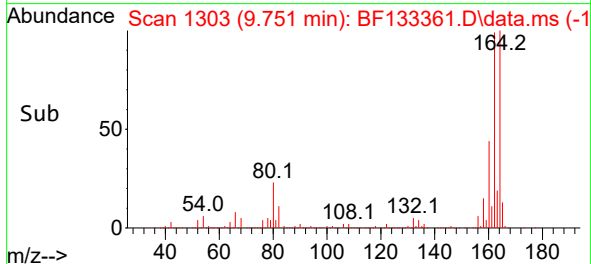
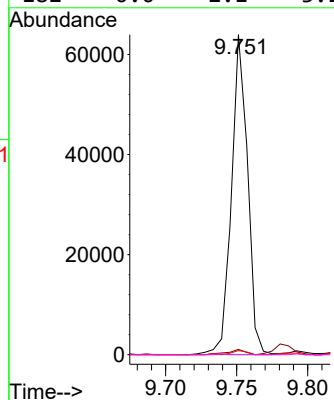
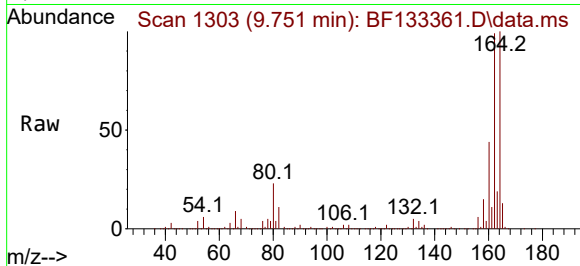




#57
2,4-Dinitrotoluene
Concen: 6.565 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

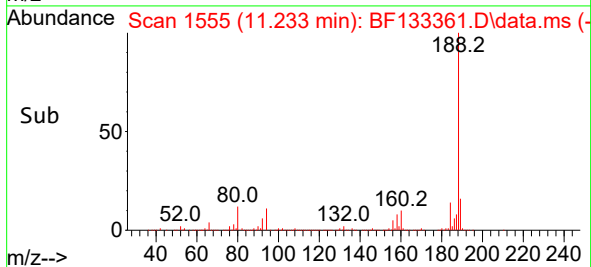
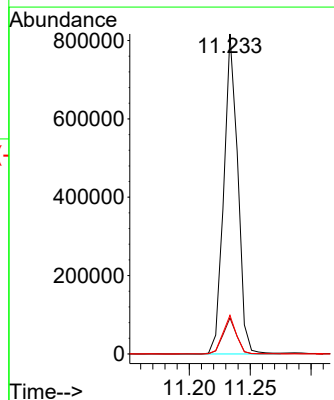
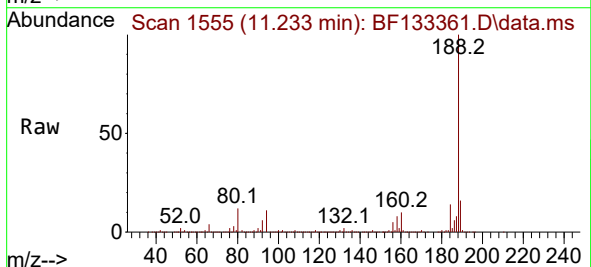
Instrument :
BNA_F
ClientSampleId :
RO-COMP

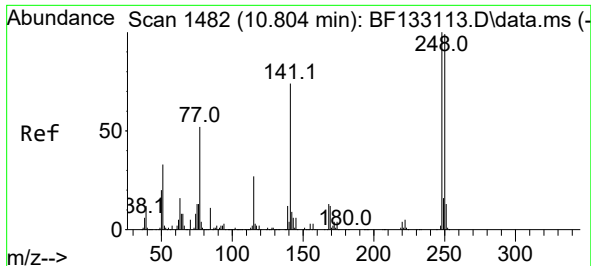
Tgt Ion:165 Resp: 50365
Ion Ratio Lower Upper
165 100
63 1.7 37.7 56.5#
89 1.3 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:188 Resp: 652734
Ion Ratio Lower Upper
188 100
94 11.2 9.7 14.5
80 12.1 10.4 15.6

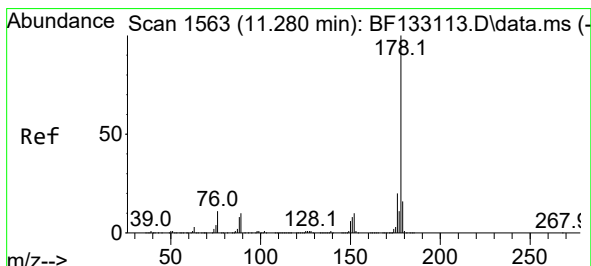
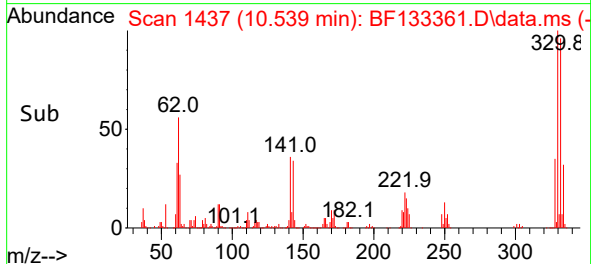
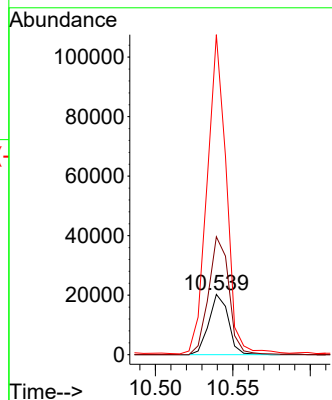
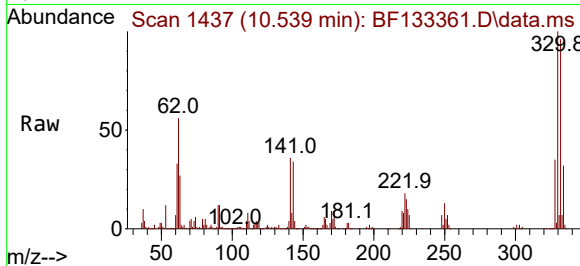




#67
4-Bromophenyl-phenylether
Concen: 2.521 ng
RT: 10.539 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

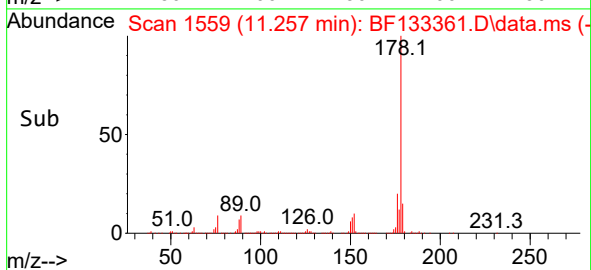
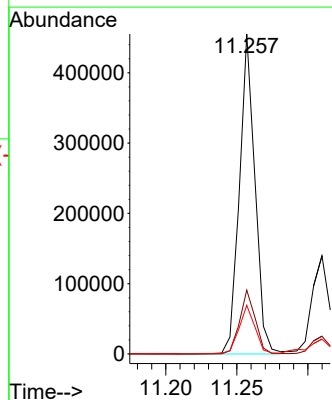
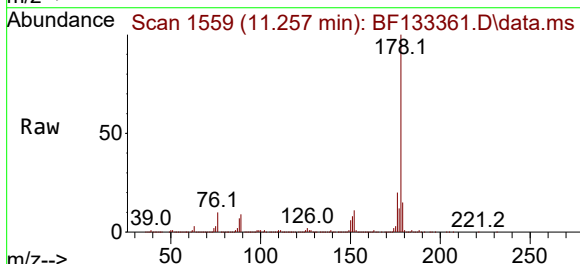
Instrument :
BNA_F
ClientSampleId :
RO-COMP

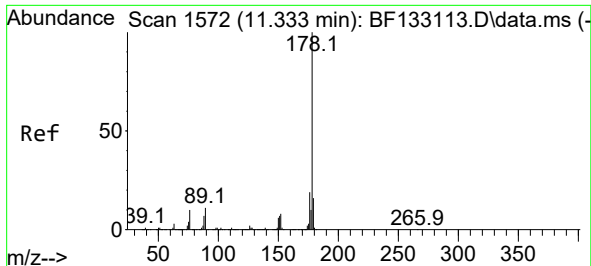
Tgt Ion:248 Resp: 17844
Ion Ratio Lower Upper
248 100
250 195.7 78.7 118.1#
141 531.0 56.3 84.5#



#71
Phenanthrene
Concen: 9.895 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:178 Resp: 347156
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.2 12.5 18.7

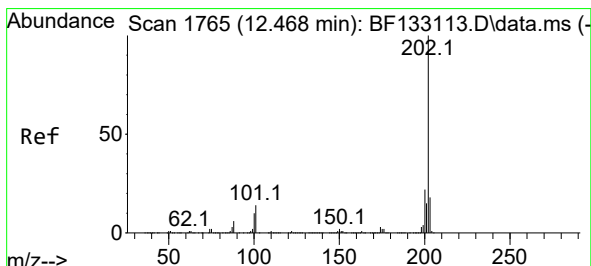
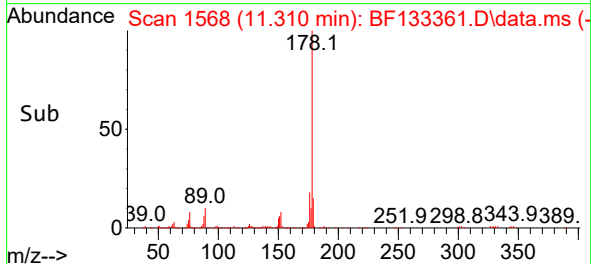
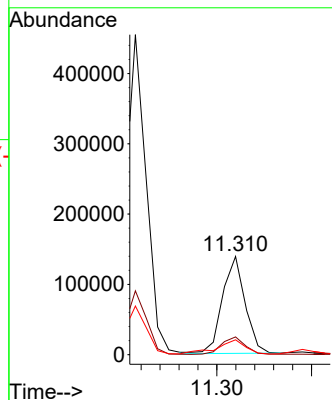
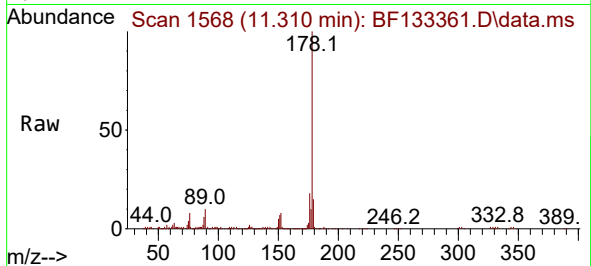




#72
 Anthracene
 Concen: 3.205 ng
 RT: 11.310 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133361.D
 Acq: 11 May 2023 18:41

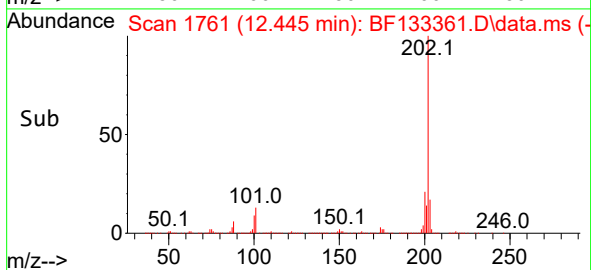
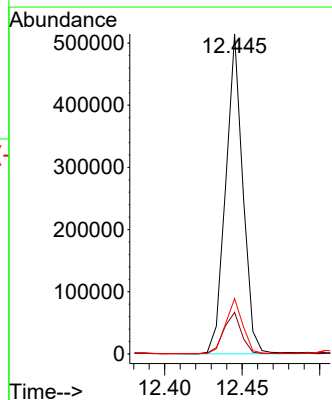
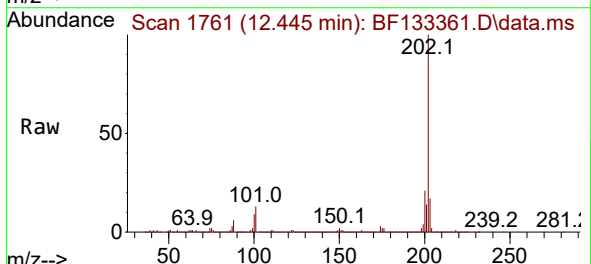
Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP

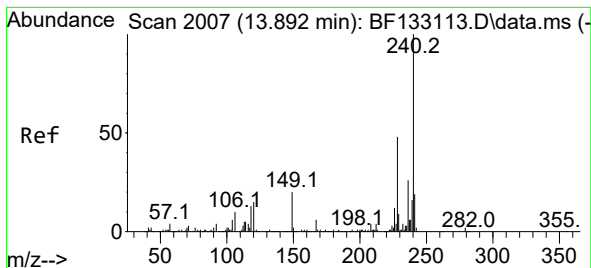
Tgt Ion:178 Resp: 115080
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 15.1 12.4 18.6



#75
 Fluoranthene
 Concen: 11.212 ng
 RT: 12.445 min Scan# 1761
 Delta R.T. -0.006 min
 Lab File: BF133361.D
 Acq: 11 May 2023 18:41

Tgt Ion:202 Resp: 394781
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 35.3
 203 17.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.869 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133361.D

Acq: 11 May 2023 18:41

Instrument :

BNA_F

ClientSampleId :

RO-COMP

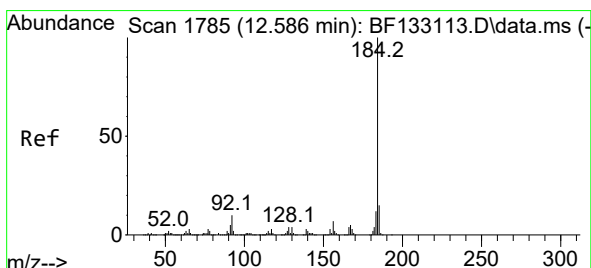
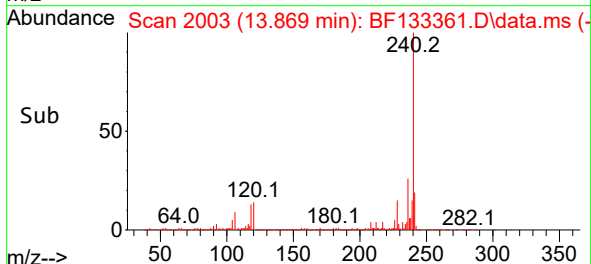
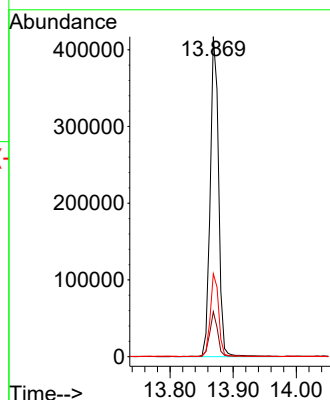
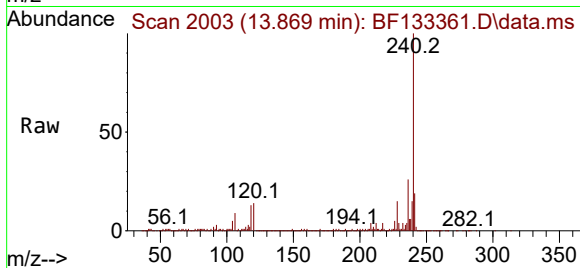
Tgt Ion:240 Resp: 385168

Ion Ratio Lower Upper

240 100

120 14.0 10.5 15.7

236 25.9 21.5 32.3



#77

Benzidine

Concen: 2.430 ng

RT: 12.822 min Scan# 1825

Delta R.T. 0.247 min

Lab File: BF133361.D

Acq: 11 May 2023 18:41

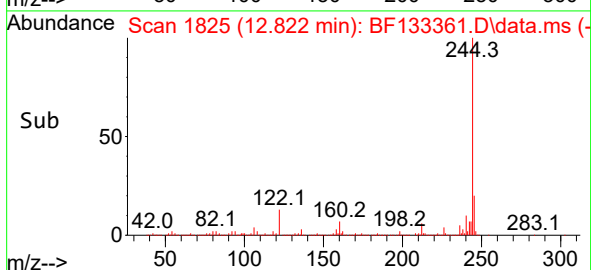
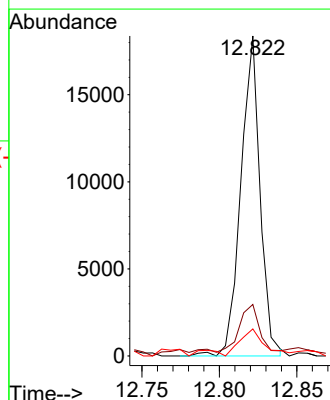
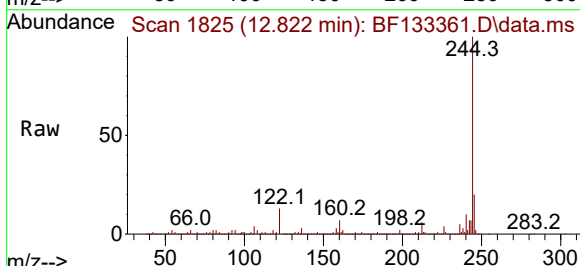
Tgt Ion:184 Resp: 15825

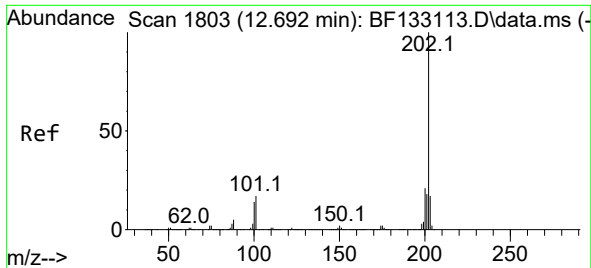
Ion Ratio Lower Upper

184 100

185 16.1 15.4 23.2

183 8.4 9.4 14.0#

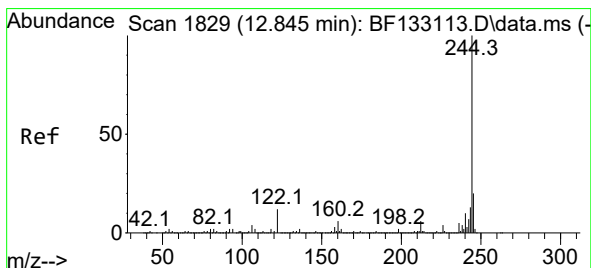
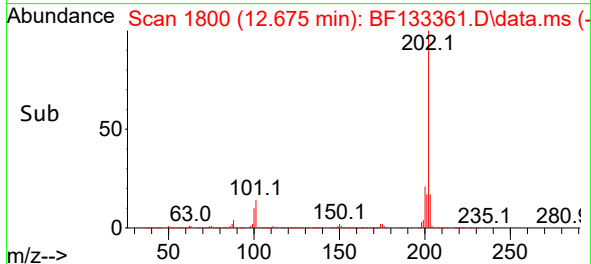
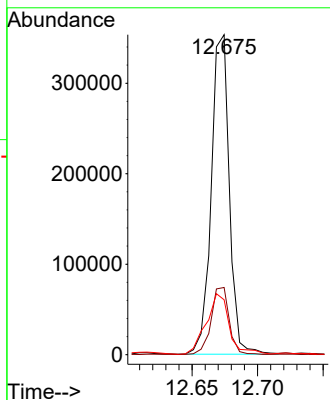
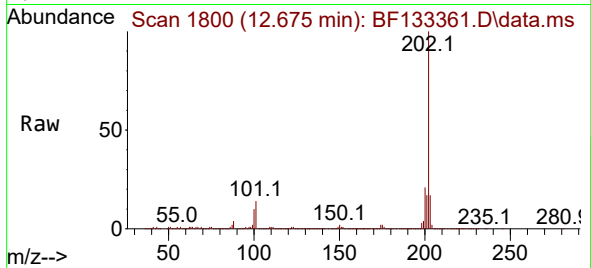




#78
 Pyrene
 Concen: 10.256 ng
 RT: 12.675 min Scan# 1800
 Delta R.T. -0.006 min
 Lab File: BF133361.D
 Acq: 11 May 2023 18:41

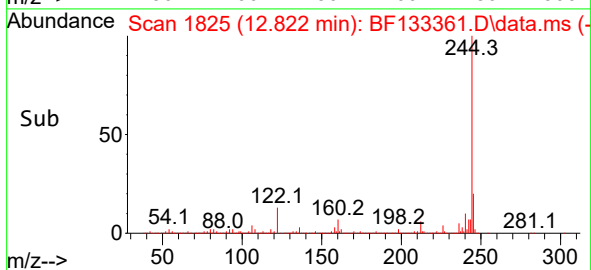
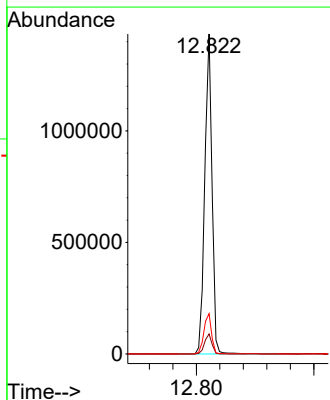
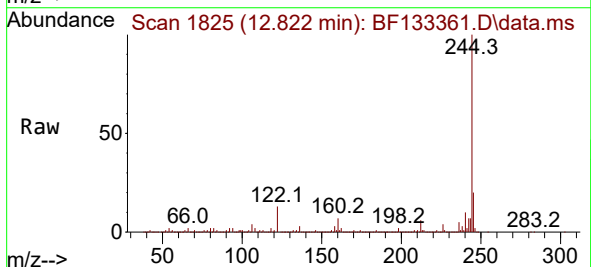
Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP

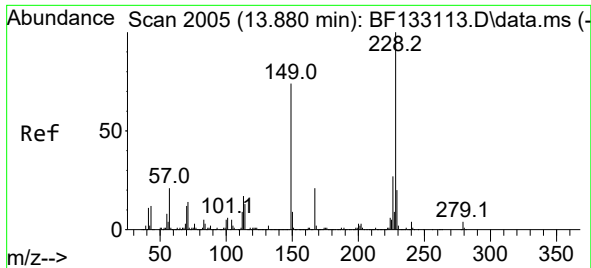
Tgt Ion:202 Resp: 338630
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.1 25.7
 203 17.1 14.1 21.1



#79
 Terphenyl-d14
 Concen: 55.085 ng
 RT: 12.822 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: BF133361.D
 Acq: 11 May 2023 18:41

Tgt Ion:244 Resp: 1230197
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.6 8.6 13.0

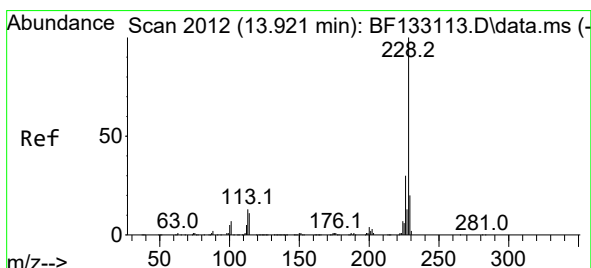
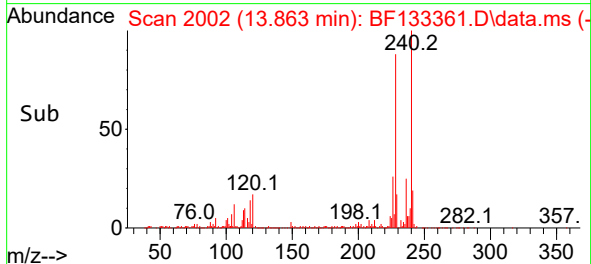
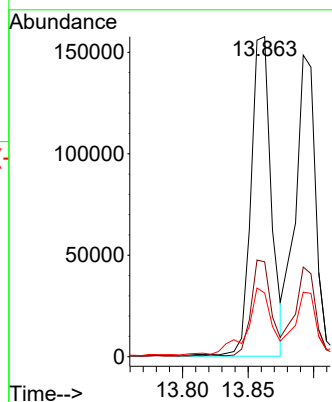
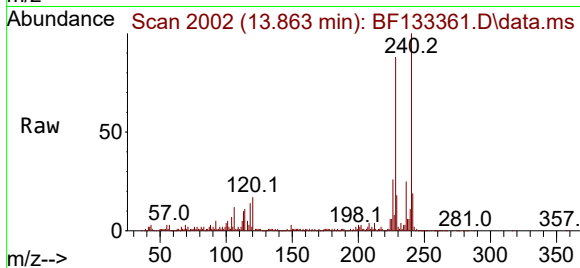




#81
Benzo(a)anthracene
Concen: 6.397 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

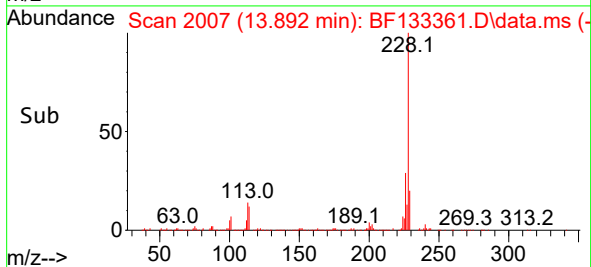
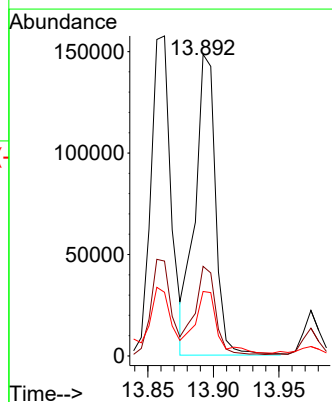
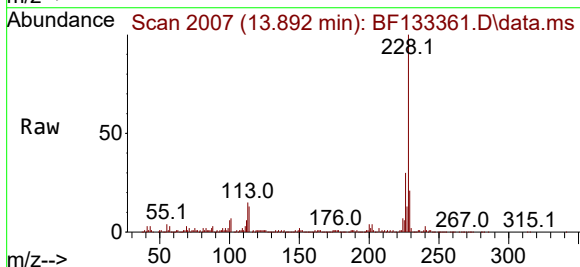
Instrument :
BNA_F
ClientSampleId :
RO-COMP

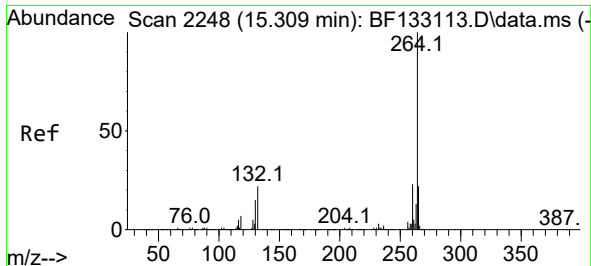
Tgt Ion:228 Resp: 169434
Ion Ratio Lower Upper
228 100
226 29.7 22.2 33.4
229 19.9 16.0 24.0



#83
Chrysene
Concen: 6.140 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:228 Resp: 162582
Ion Ratio Lower Upper
228 100
226 29.7 24.7 37.1
229 21.4 16.1 24.1

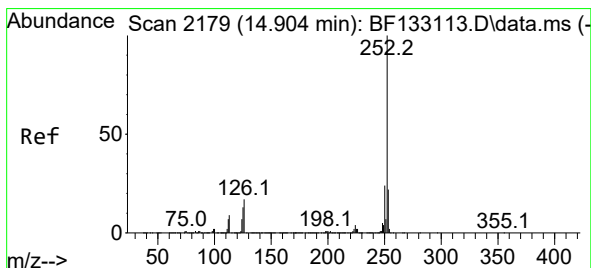
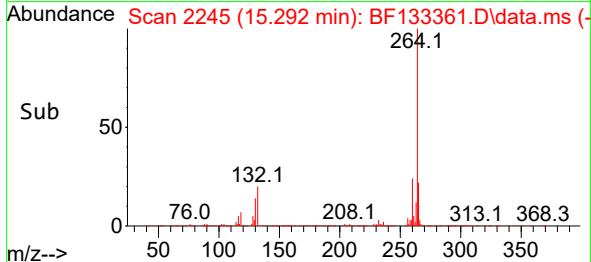
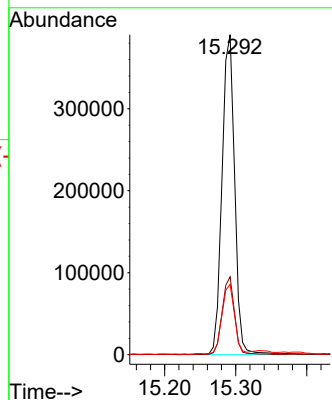
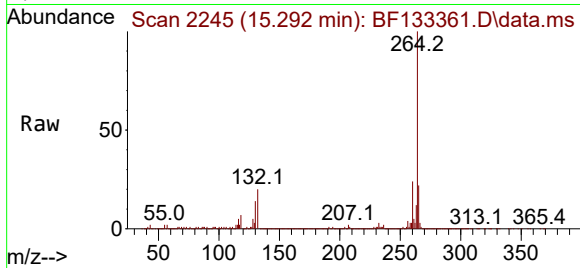




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2176
Delta R.T. 0.000 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

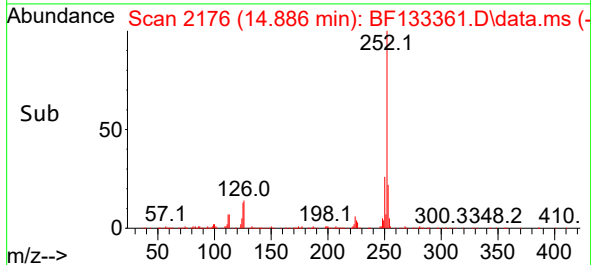
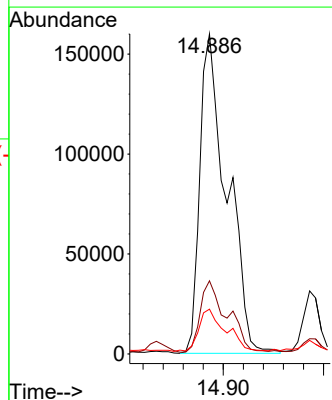
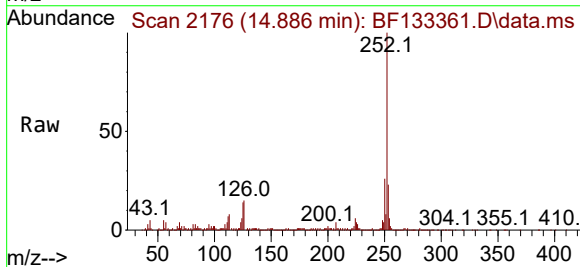
Instrument :
BNA_F
ClientSampleId :
RO-COMP

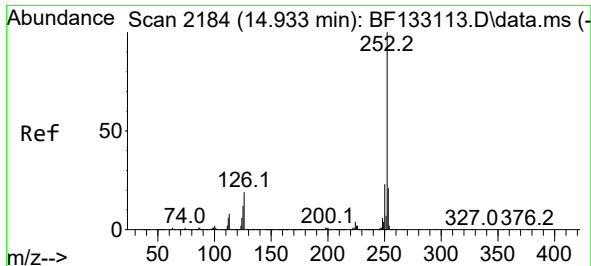
Tgt Ion:264 Resp: 480297
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 21.9 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 9.798 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:252 Resp: 299394
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 14.0 8.9 13.3#

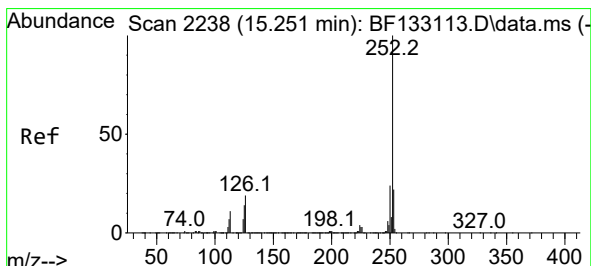
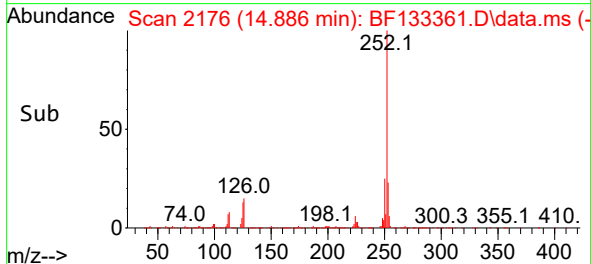
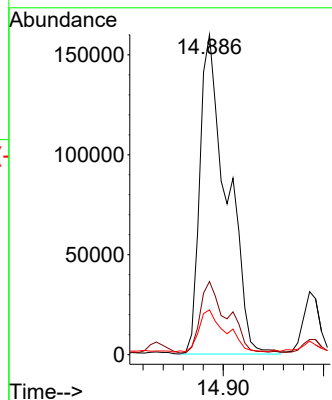
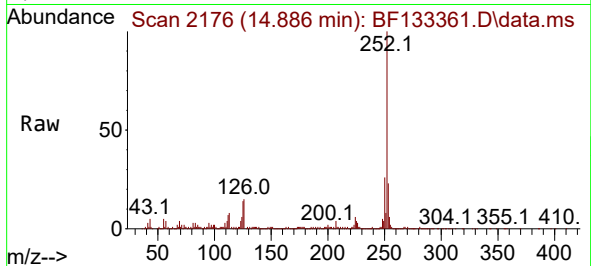




#89
Benzo(k)fluoranthene
Concen: 9.884 ng
RT: 14.886 min Scan# 2184
Delta R.T. -0.035 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

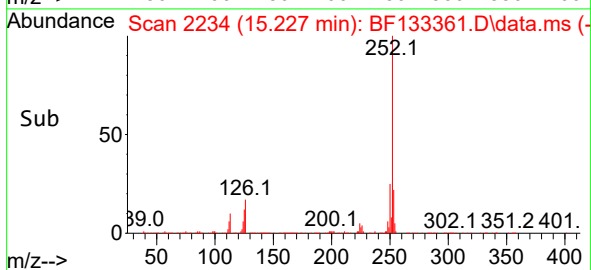
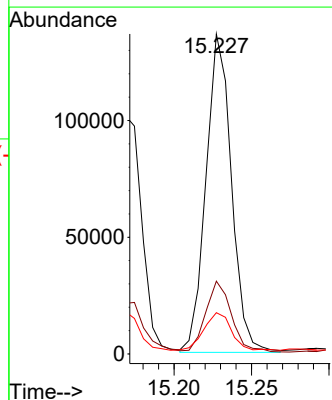
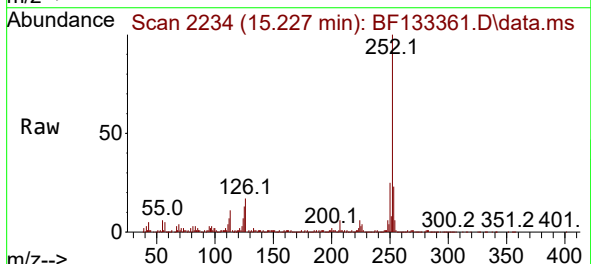
Instrument :
BNA_F
ClientSampleId :
RO-COMP

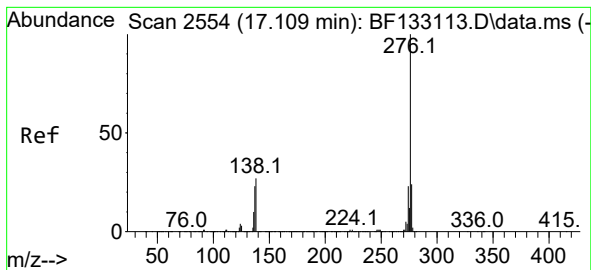
Tgt Ion:252 Resp: 299394
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 14.0 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 5.621 ng
RT: 15.227 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BF133361.D
Acq: 11 May 2023 18:41

Tgt Ion:252 Resp: 156339
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: 4.043 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF133361.D

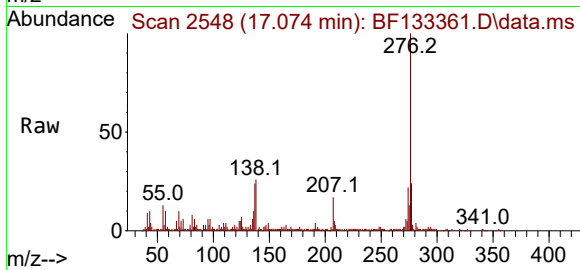
Acq: 11 May 2023 18:41

Instrument :

BNA_F

ClientSampleId :

RO-COMP



Tgt Ion:276 Resp: 90957

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 26.0 22.7 34.1

