

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133379.D
 Acq On : 12 May 2023 20:28
 Operator : CG\JU
 Sample : 02750-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-1-051123

Quant Time: May 12 23:37:13 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)

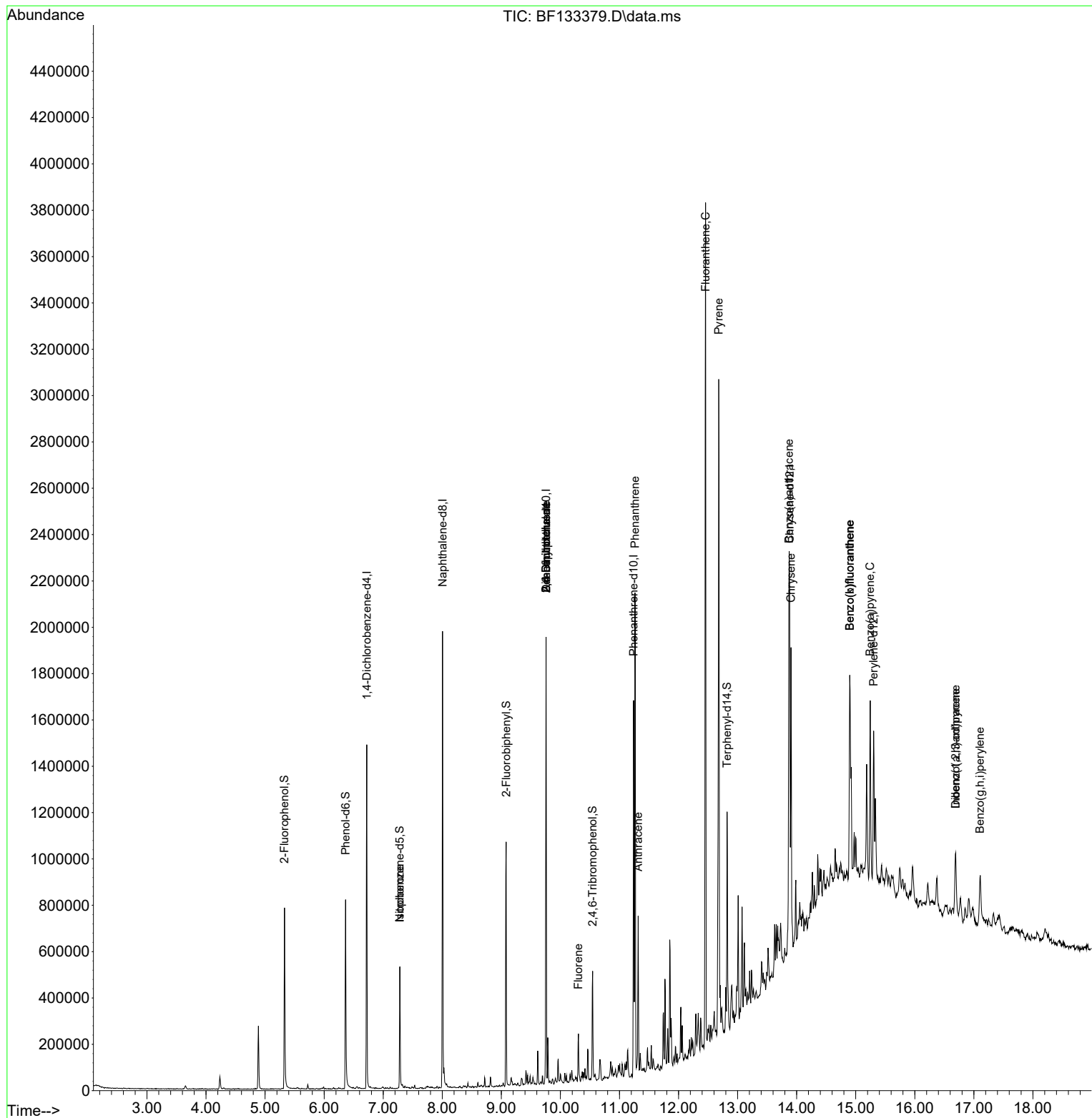
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	200728	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	769037	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	341735	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	565264	20.000	ng	0.00
76) Chrysene-d12	13.880	240	350667	20.000	ng	0.00
86) Perylene-d12	15.304	264	291066	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	219411	16.512	ng	0.00
7) Phenol-d6	6.363	99	271395	16.455	ng	0.00
23) Nitrobenzene-d5	7.281	82	148350	10.412	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	46254	13.458	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	305965	14.979	ng	0.00
79) Terphenyl-d14	12.822	244	297508	14.632	ng	0.00
Target Compounds						
9) Benzaldehyde	6.275	77	950	Below Cal	Qvalue	# 39
25) Isophorone	7.281	82	148348	5.484 ng	#	63
50) Dimethylphthalate	9.757	163	66754	2.801 ng	#	1
51) 2,6-Dinitrotoluene	9.757	165	44769	8.347 ng	#	25
57) 2,4-Dinitrotoluene	9.757	165	44769	6.546 ng	#	23
58) Fluorene	10.304	166	56353	2.657 ng		95
71) Phenanthrene	11.263	178	759646	25.004 ng		100
72) Anthracene	11.316	178	231415	7.443 ng		100
75) Fluoranthene	12.457	202	1398676	45.872 ng		98
78) Pyrene	12.680	202	1211742	40.310 ng		98
81) Benzo(a)anthracene	13.869	228	535945	22.225 ng		98
83) Chrysene	13.904	228	458467	19.017 ng		97
87) Indeno(1,2,3-cd)pyrene	16.692	276	181179	10.943 ng		92
88) Benzo(b)fluoranthene	14.898	252	642087	34.675 ng	#	93
89) Benzo(k)fluoranthene	14.898	252	642087	34.980 ng	#	94
90) Benzo(a)pyrene	15.245	252	335348	19.897 ng		96
91) Dibenzo(a,h)anthracene	16.692	278	46050	3.335 ng	#	73
92) Benzo(g,h,i)perylene	17.104	276	162553	11.924 ng		97

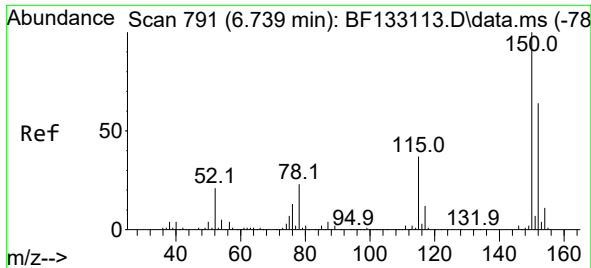
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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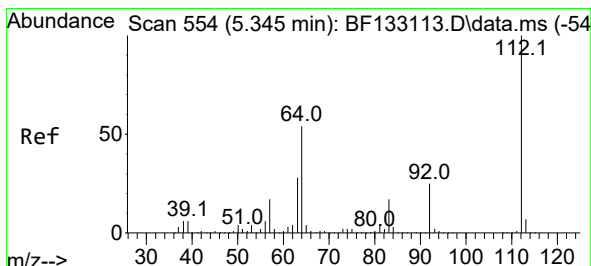
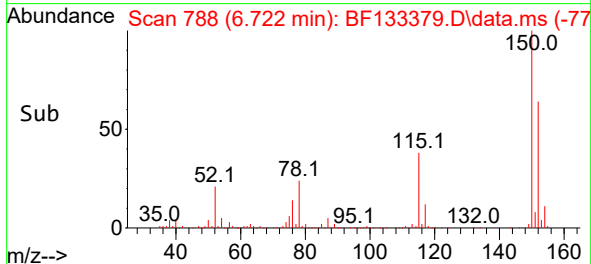
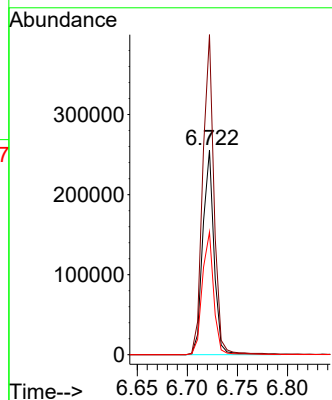
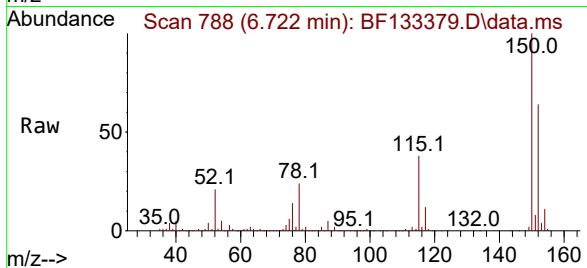




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

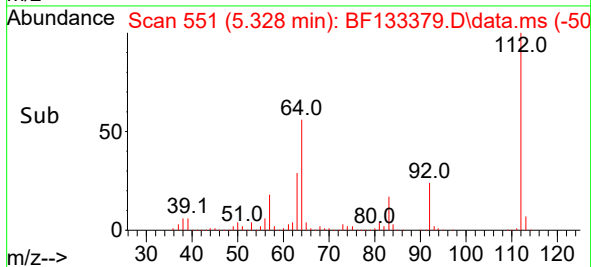
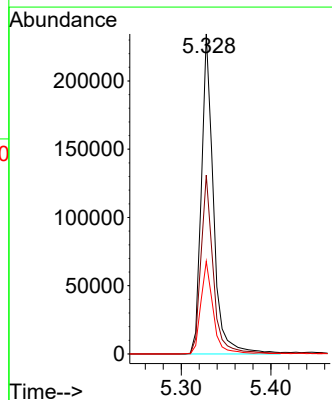
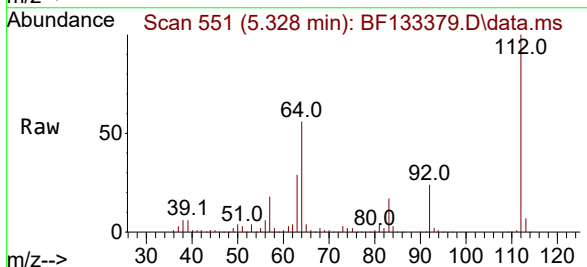
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

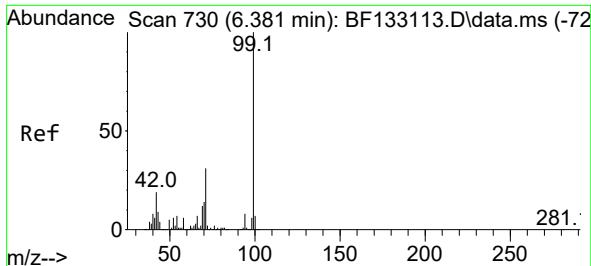
Tgt Ion:152 Resp: 200728
Ion Ratio Lower Upper
152 100
150 156.4 124.8 187.2
115 59.9 49.9 74.9



#5
2-Fluorophenol
Concen: 16.512 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion:112 Resp: 219411
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 28.9 23.8 35.8

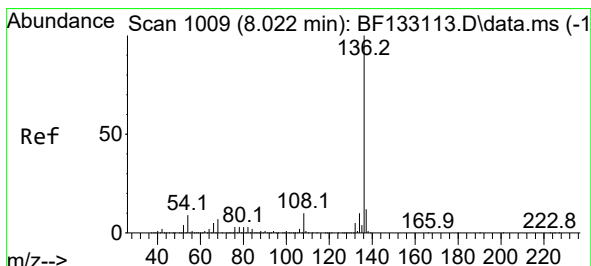
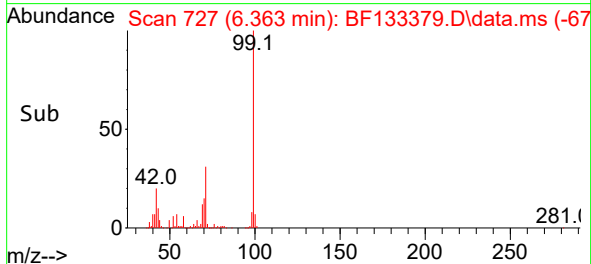
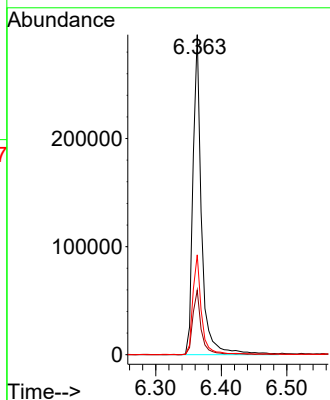
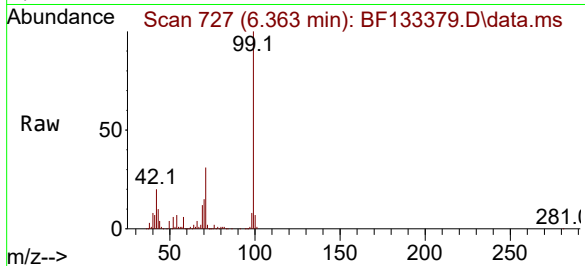




#7
Phenol-d6
Concen: 16.455 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

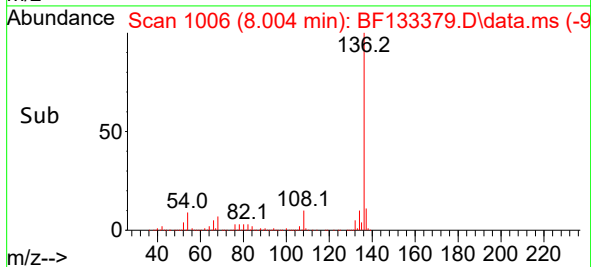
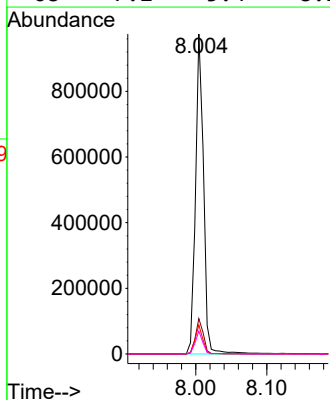
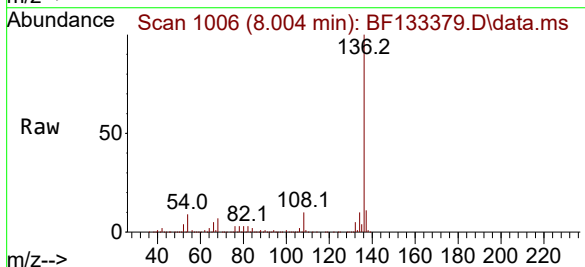
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

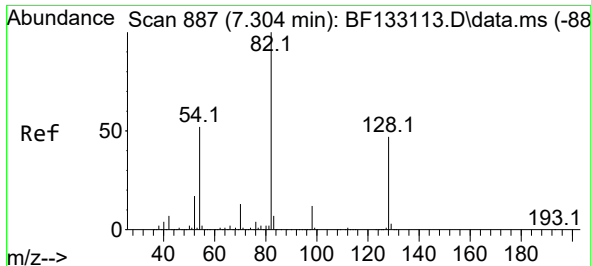
Tgt Ion: 99 Resp: 271395
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 31.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion: 136 Resp: 769037
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.1 7.0 10.4
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 10.412 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

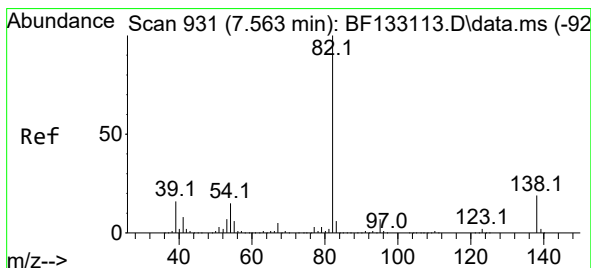
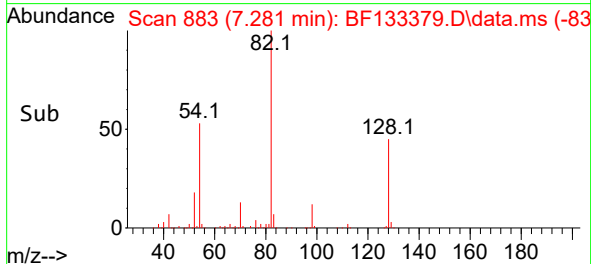
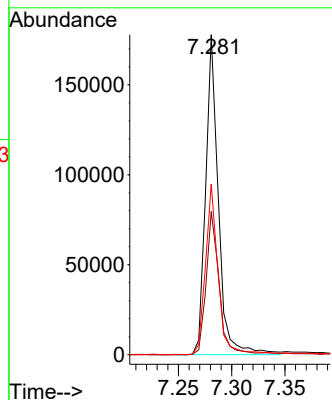
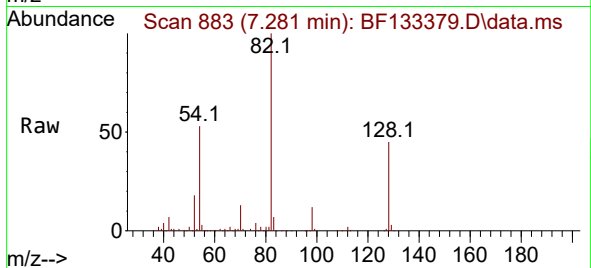
Tgt Ion: 82 Resp: 148350

Ion Ratio Lower Upper

82 100

128 44.8 37.7 56.5

54 53.3 43.0 64.4



#25

Isophorone

Concen: 5.484 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.265 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

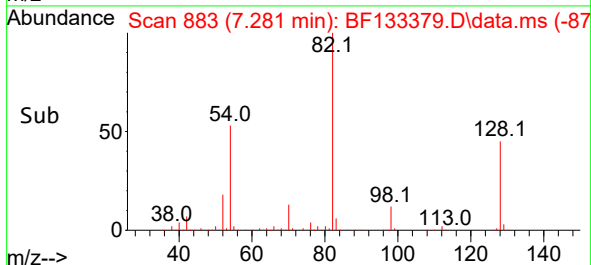
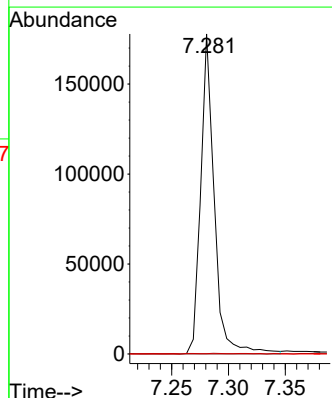
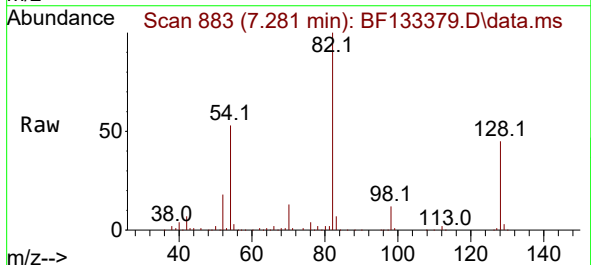
Tgt Ion: 82 Resp: 148348

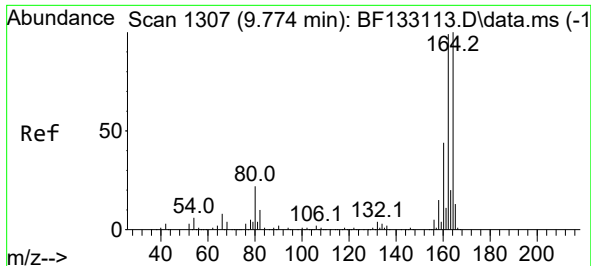
Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

138 0.0 16.0 24.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

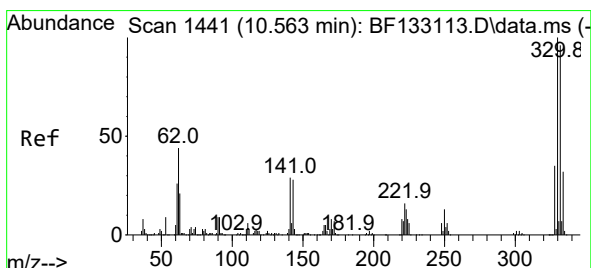
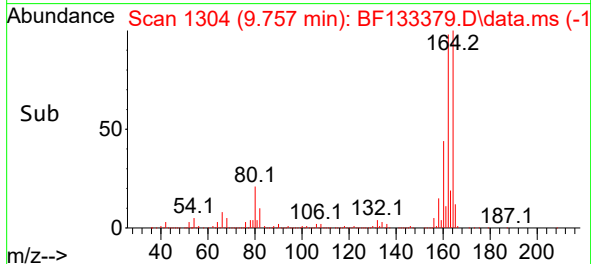
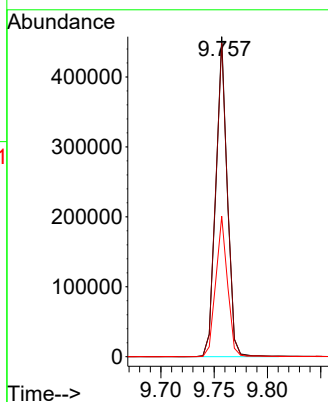
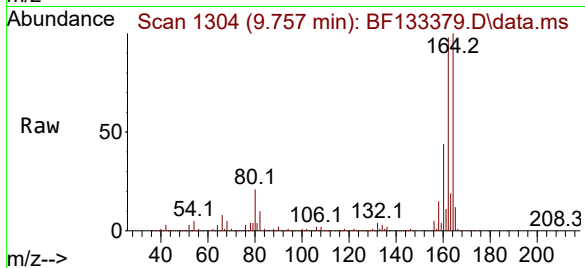
Tgt Ion:164 Resp: 341735

Ion Ratio Lower Upper

164 100

162 98.1 78.7 118.1

160 43.9 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 13.458 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.006 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

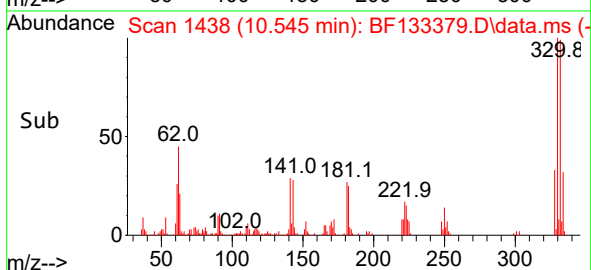
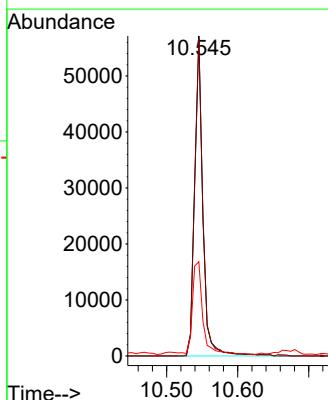
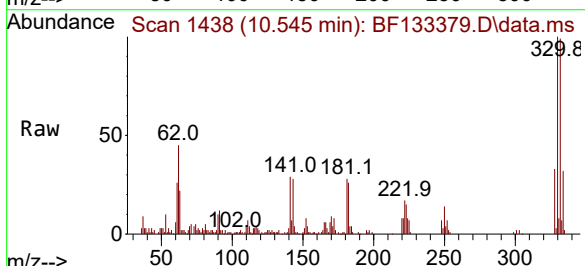
Tgt Ion:330 Resp: 46254

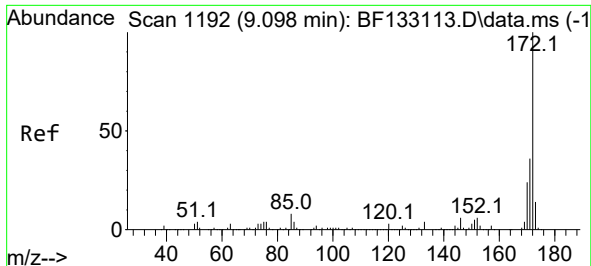
Ion Ratio Lower Upper

330 100

332 99.5 77.1 115.7

141 36.8 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 14.979 ng

RT: 9.081 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

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ClientSampleId :

PAT-1-051123

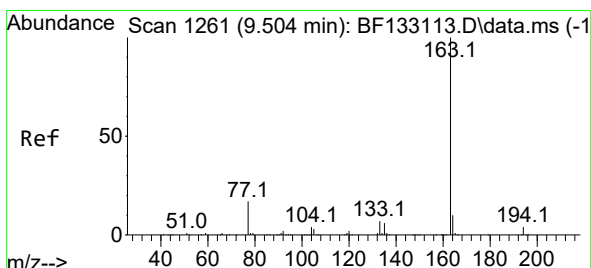
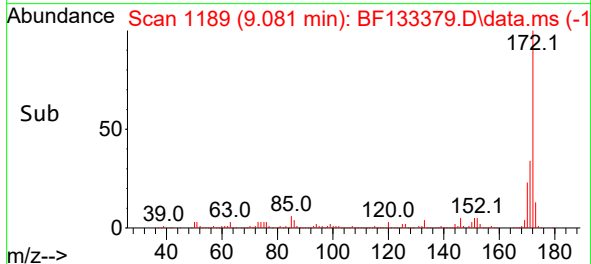
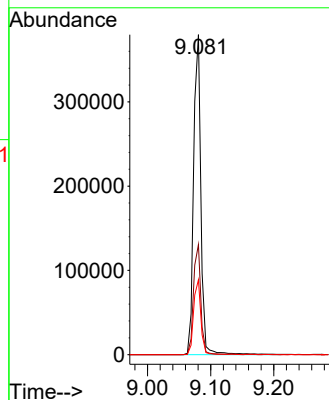
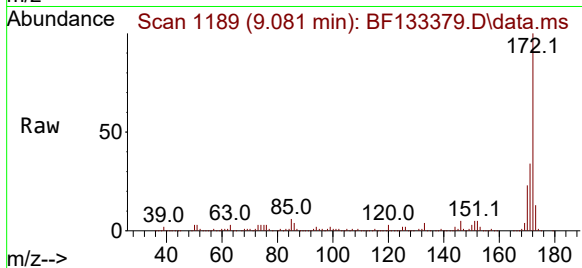
Tgt Ion:172 Resp: 305965

Ion Ratio Lower Upper

172 100

171 34.4 28.8 43.2

170 23.4 19.4 29.2



#50

Dimethylphthalate

Concen: 2.801 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.271 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

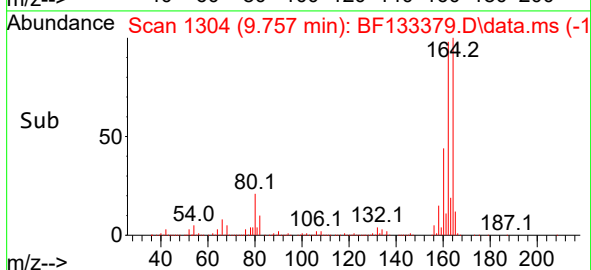
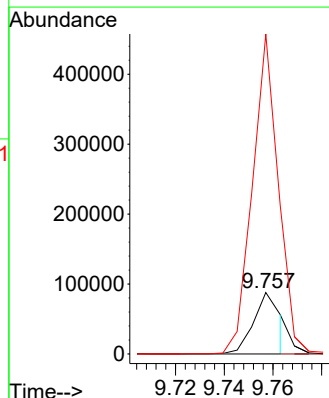
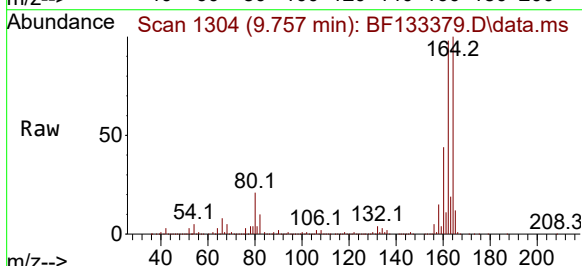
Tgt Ion:163 Resp: 66754

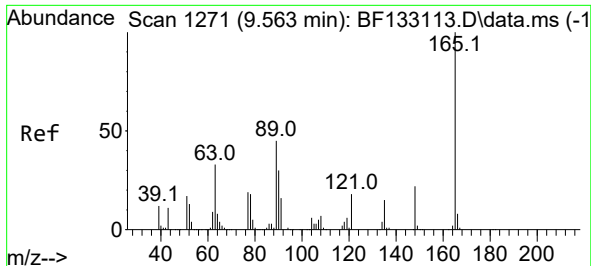
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 520.5 8.5 12.7#

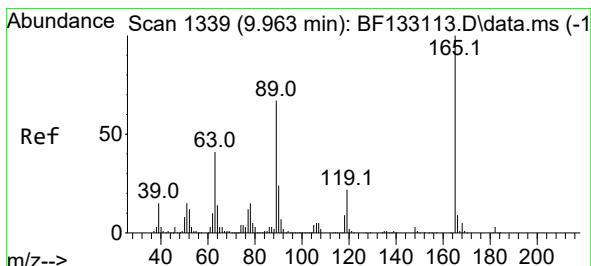
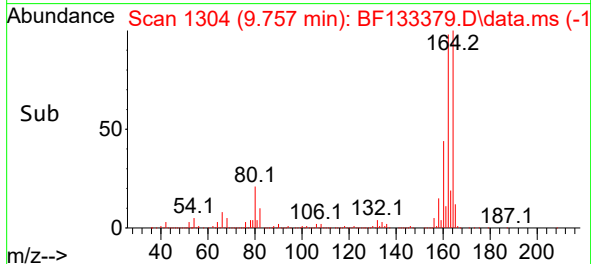
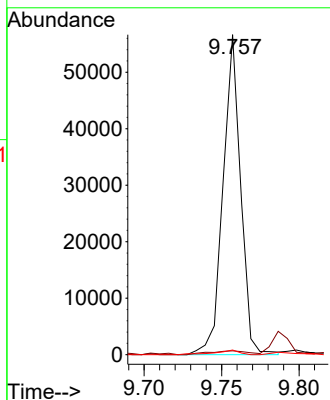
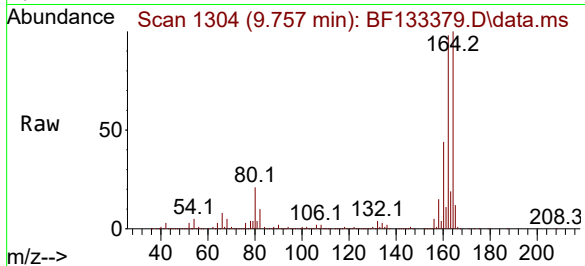




#51
2,6-Dinitrotoluene
Concen: 8.347 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

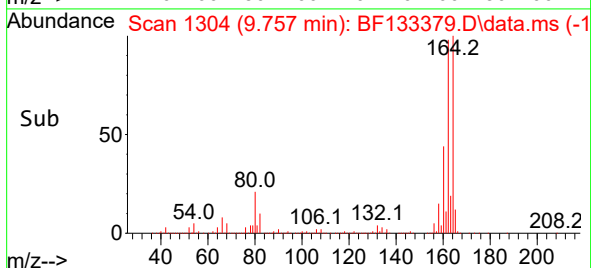
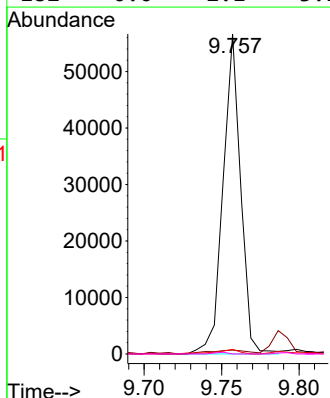
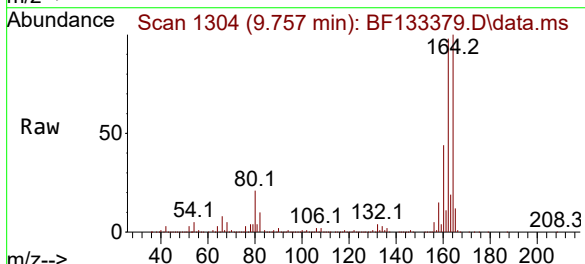
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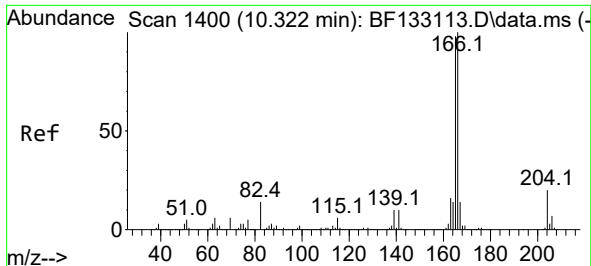
Tgt Ion:165 Resp: 44769
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.4 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.546 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.194 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion:165 Resp: 44769
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.4 57.0 85.4#
182 0.0 2.1 3.1#

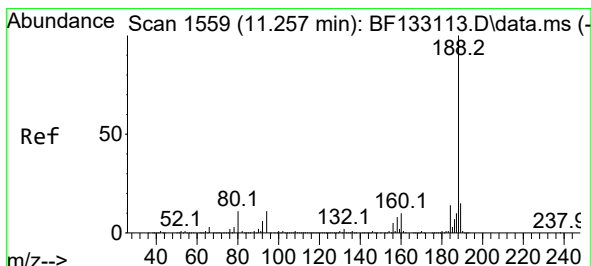
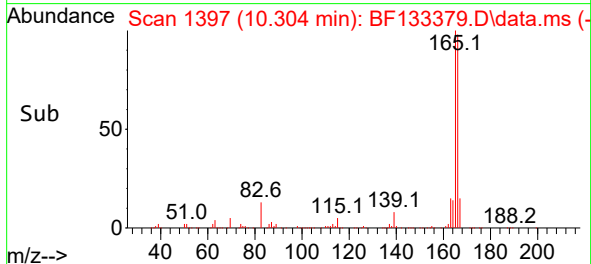
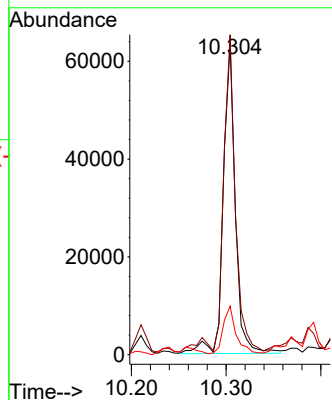
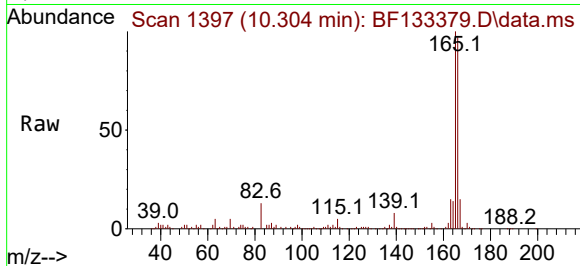




#58
Fluorene
Concen: 2.657 ng
RT: 10.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

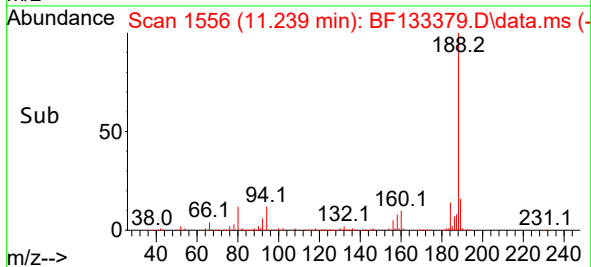
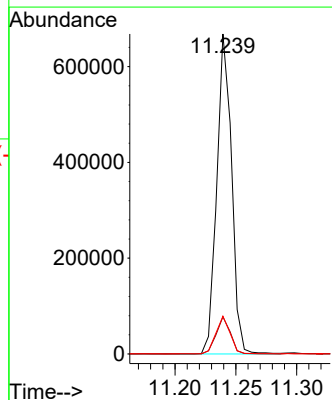
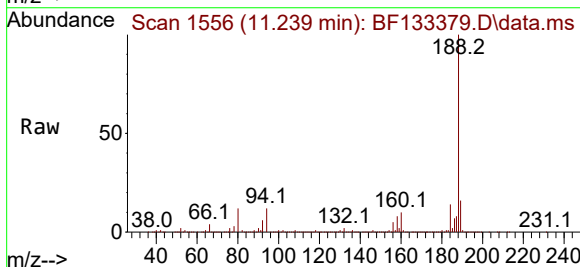
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

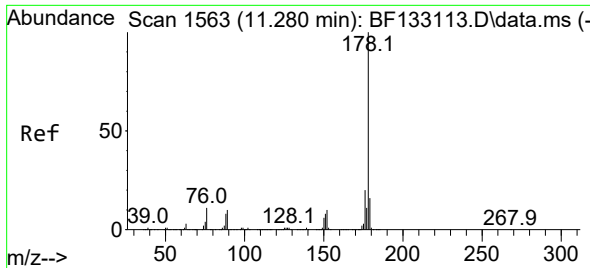
Tgt Ion:166 Resp: 56353
Ion Ratio Lower Upper
166 100
165 103.0 78.6 117.8
167 15.6 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion:188 Resp: 565264
Ion Ratio Lower Upper
188 100
94 11.6 9.7 14.5
80 11.8 10.4 15.6

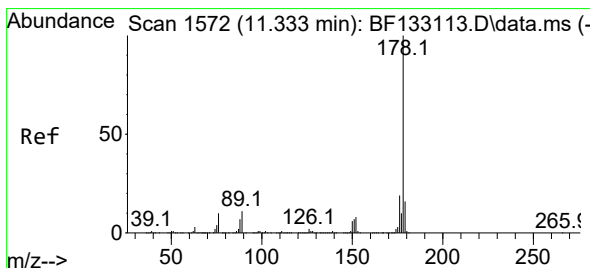
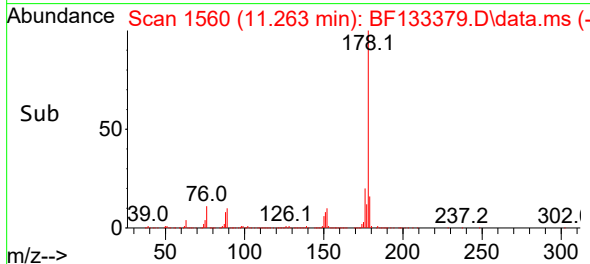
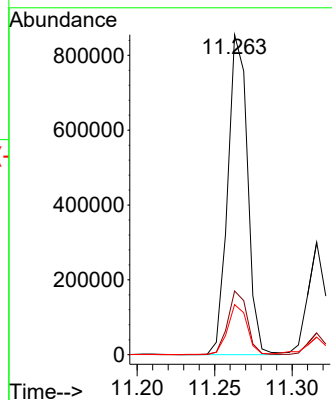
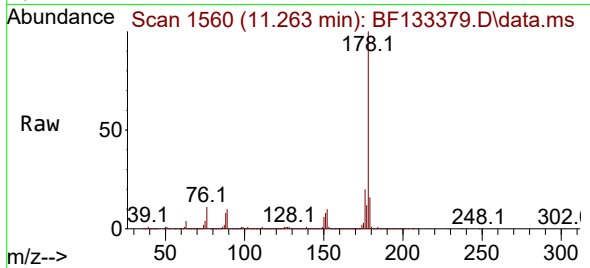




#71
Phenanthrene
Concen: 25.004 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

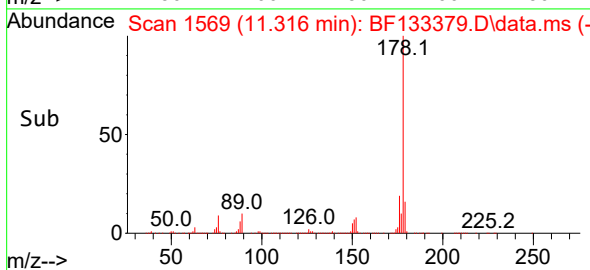
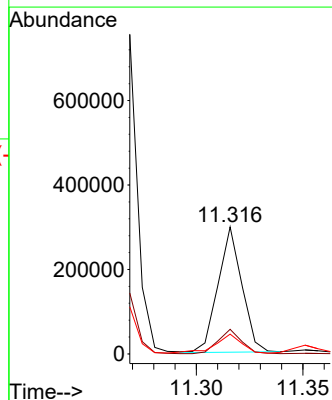
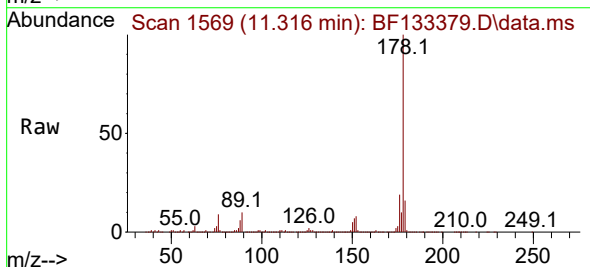
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

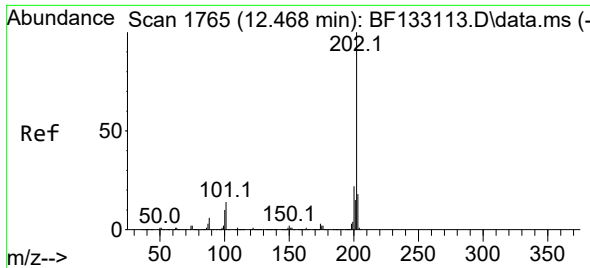
Tgt Ion:178 Resp: 759646
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.7 12.5 18.7



#72
Anthracene
Concen: 7.443 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion:178 Resp: 231415
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.6 12.4 18.6

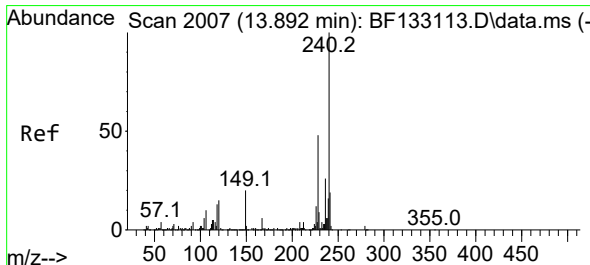
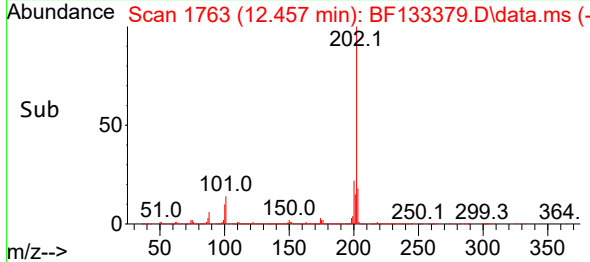
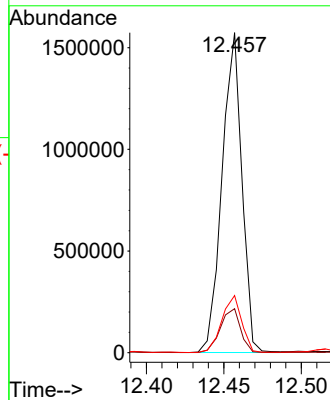
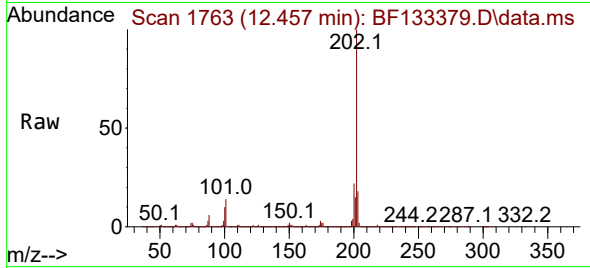




#75
Fluoranthene
Concen: 45.872 ng
RT: 12.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

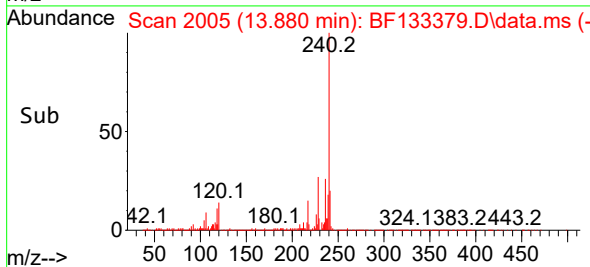
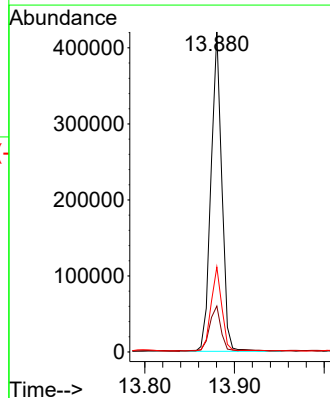
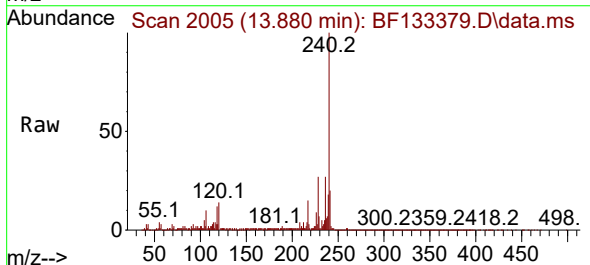
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

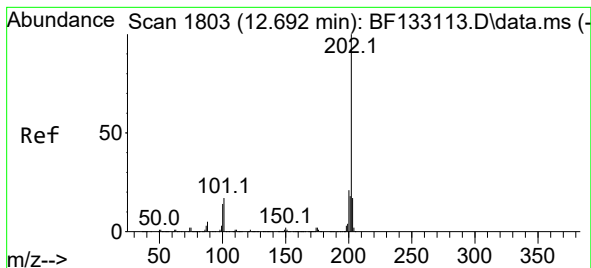
Tgt Ion:202 Resp: 1398676
Ion Ratio Lower Upper
202 100
101 13.8 0.0 35.3
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion:240 Resp: 350667
Ion Ratio Lower Upper
240 100
120 14.3 10.5 15.7
236 26.6 21.5 32.3





#78

Pyrene

Concen: 40.310 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

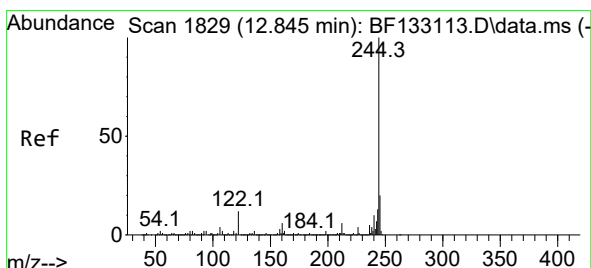
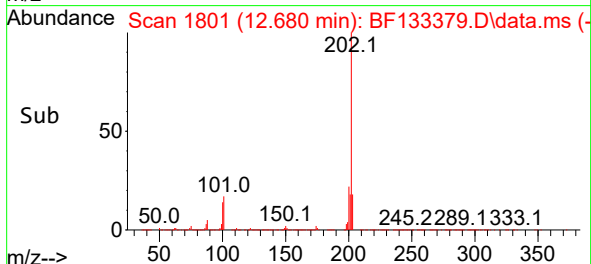
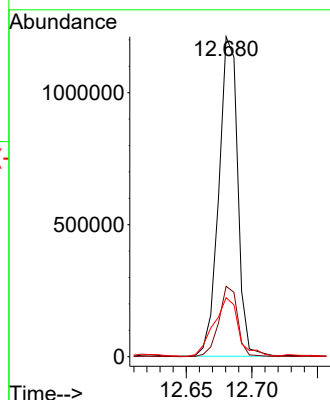
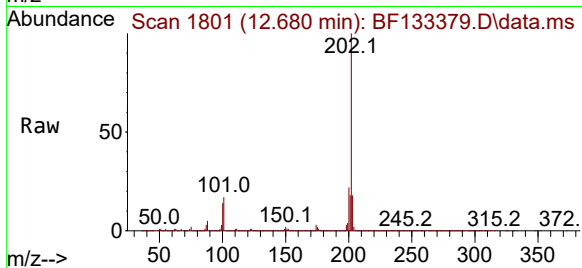
Tgt Ion:202 Resp: 1211742

Ion Ratio Lower Upper

202 100

200 22.0 17.1 25.7

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 14.632 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

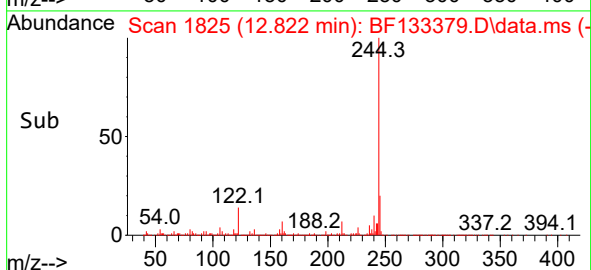
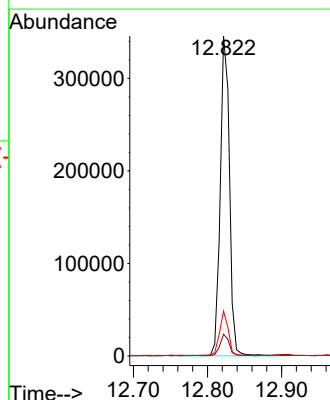
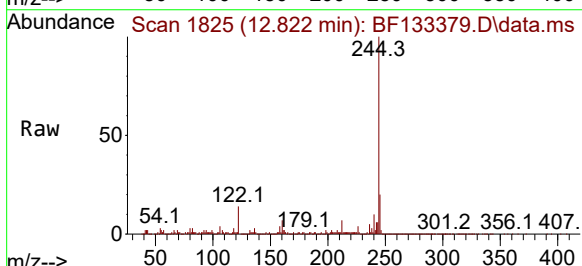
Tgt Ion:244 Resp: 297508

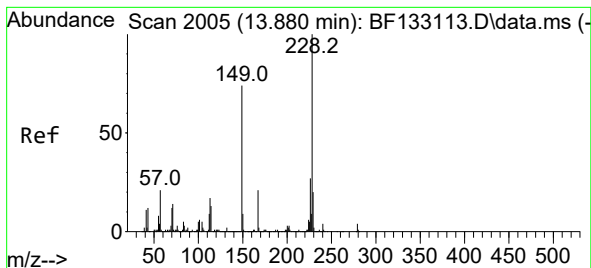
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 14.1 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 22.225 ng

RT: 13.869 min Scan# 2003

Delta R.T. 0.000 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

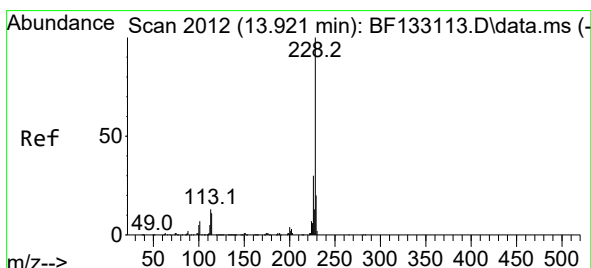
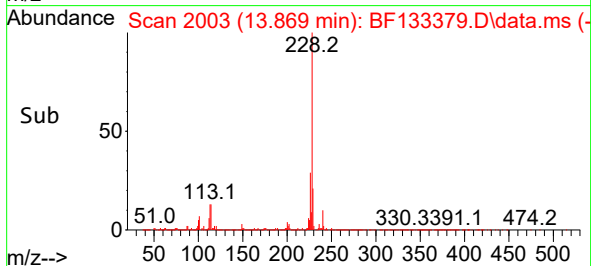
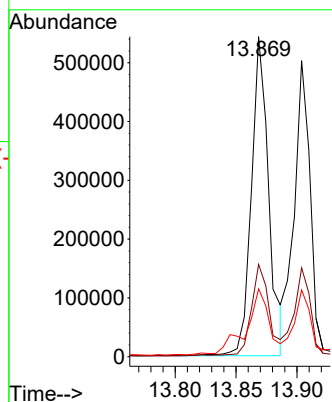
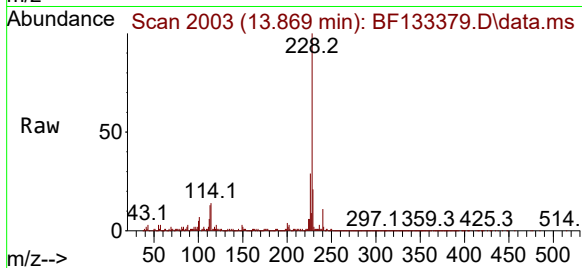
Tgt Ion:228 Resp: 535945

Ion Ratio Lower Upper

228 100

226 28.9 22.2 33.4

229 21.2 16.0 24.0



#83

Chrysene

Concen: 19.017 ng

RT: 13.904 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

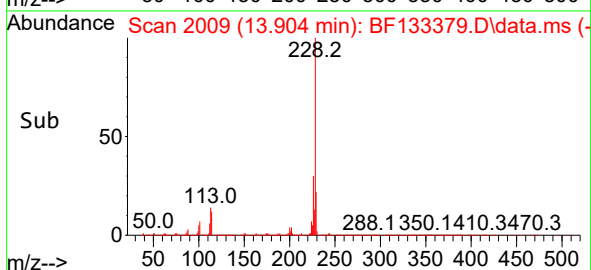
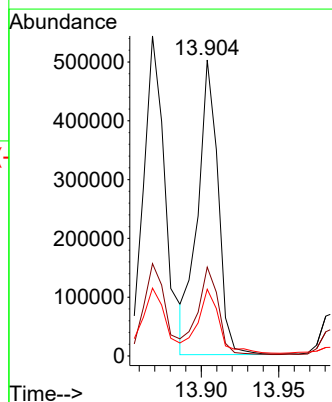
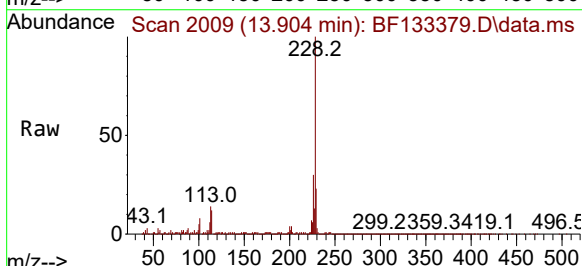
Tgt Ion:228 Resp: 458467

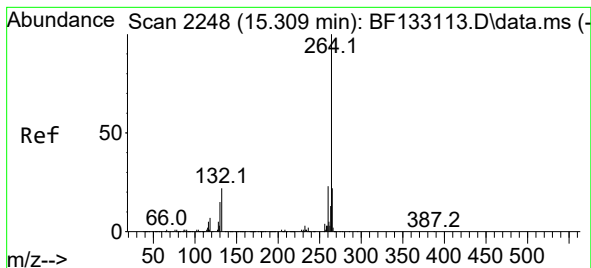
Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

229 22.6 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

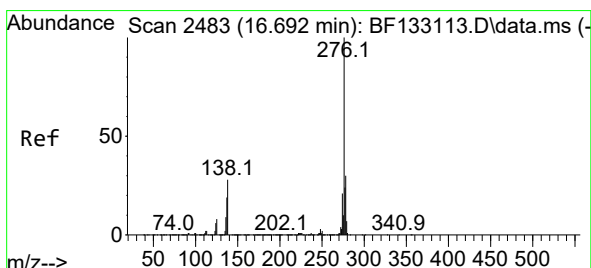
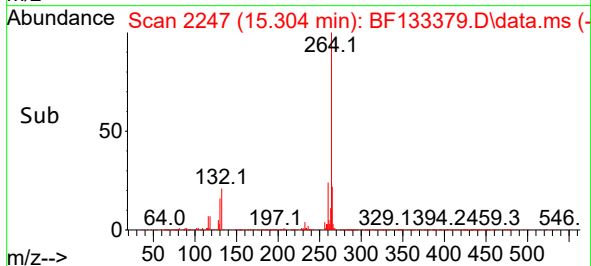
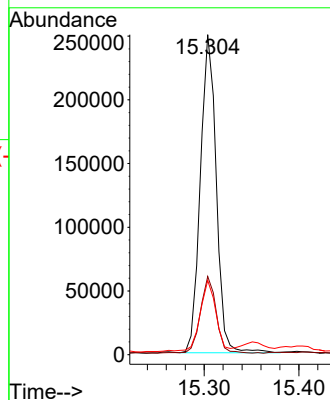
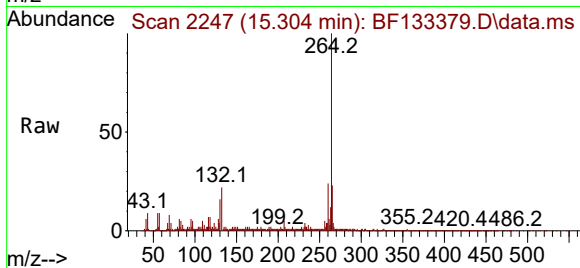
Tgt Ion:264 Resp: 291066

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 23.2 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.943 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.012 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

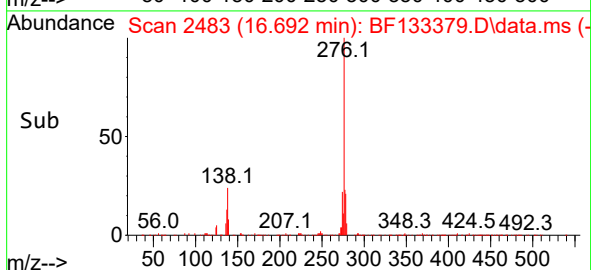
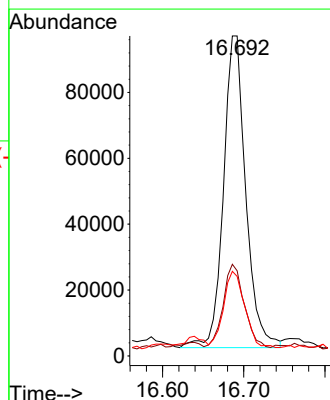
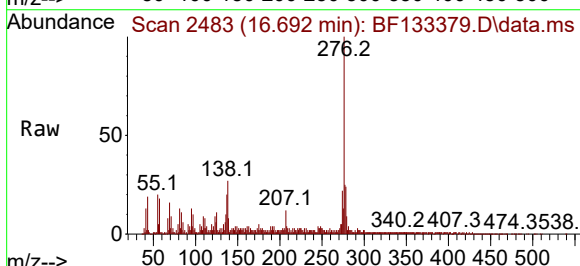
Tgt Ion:276 Resp: 181179

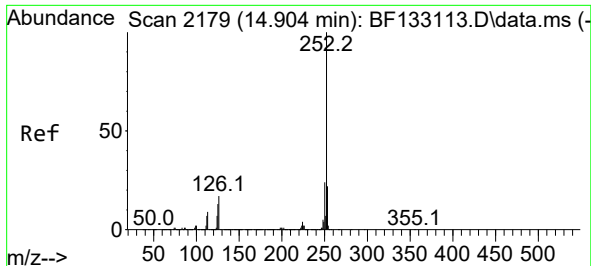
Ion Ratio Lower Upper

276 100

138 25.9 25.5 38.3

277 23.3 20.4 30.6

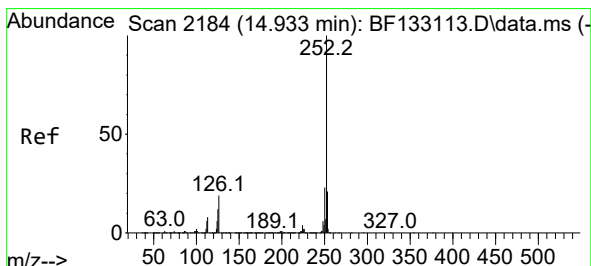
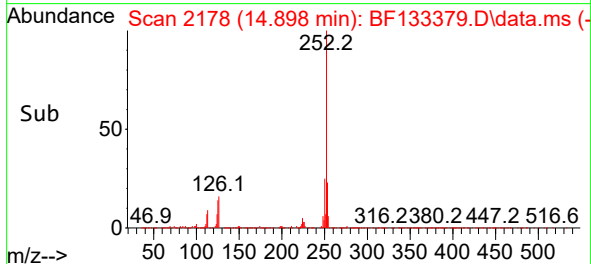
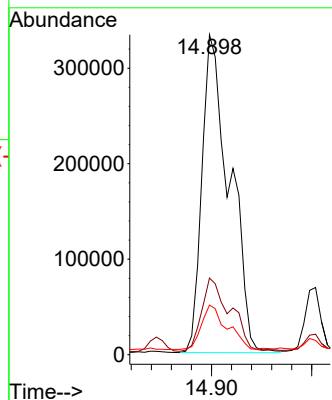
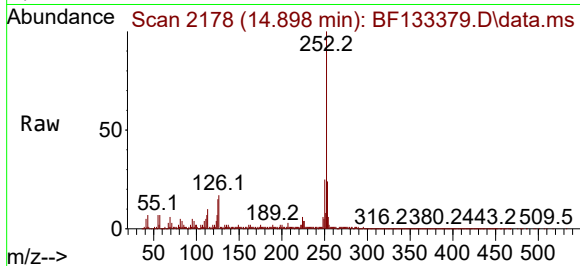




#88
Benzo(b)fluoranthene
Concen: 34.675 ng
RT: 14.898 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

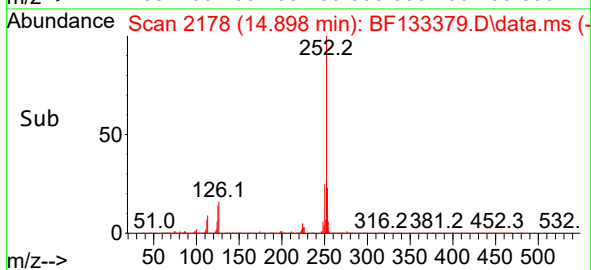
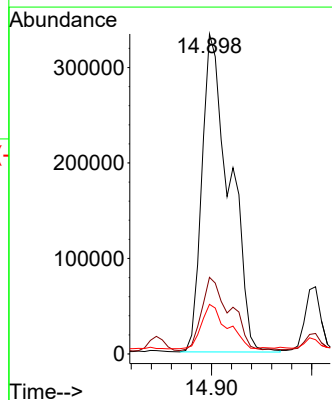
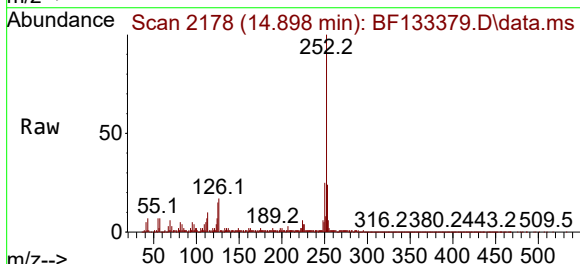
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

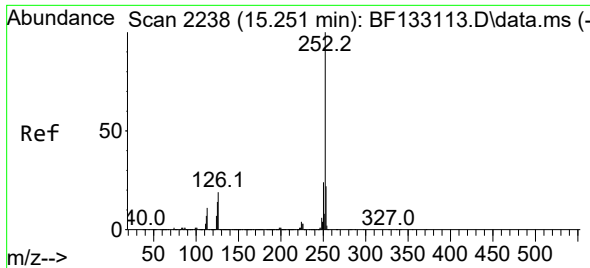
Tgt Ion:252 Resp: 642087
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 15.5 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 34.980 ng
RT: 14.898 min Scan# 2178
Delta R.T. -0.023 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion:252 Resp: 642087
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 15.5 9.0 13.4#

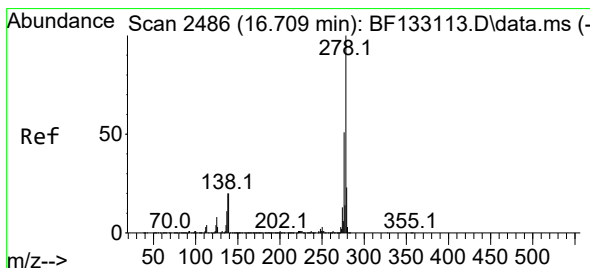
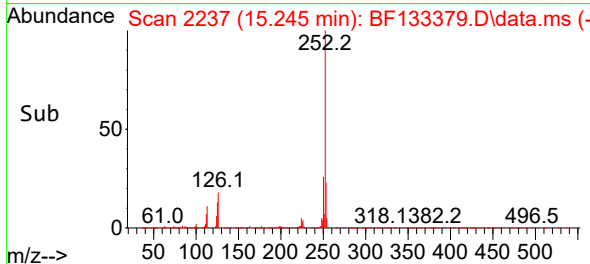
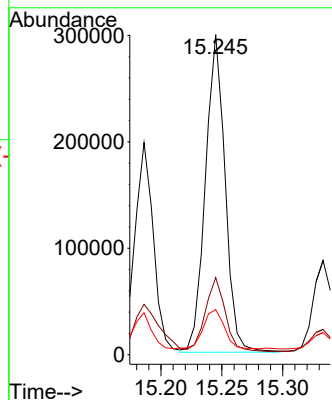
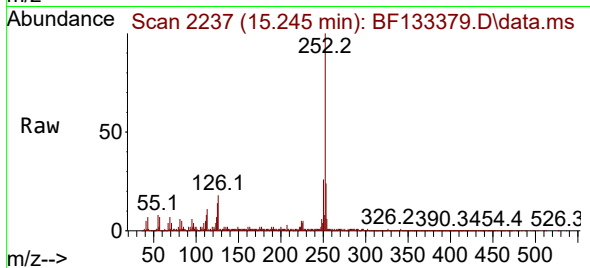




#90
Benzo(a)pyrene
Concen: 19.897 ng
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

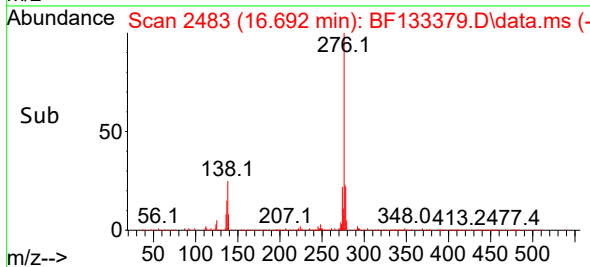
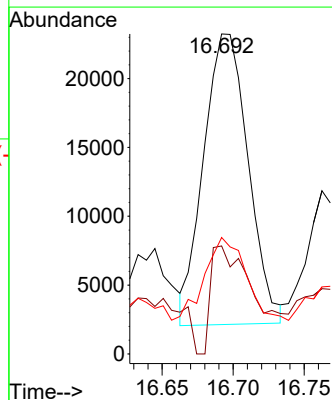
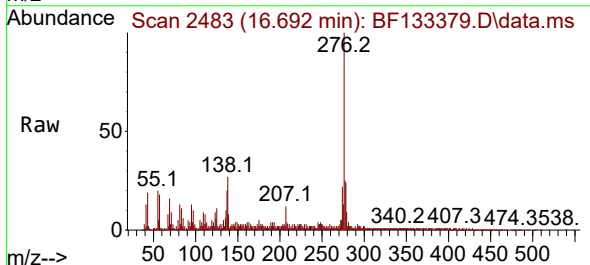
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

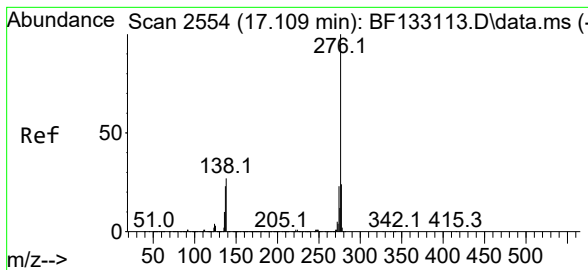
Tgt Ion:252 Resp: 335348
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 14.1 10.5 15.7



#91
Dibenzo(a,h)anthracene
Concen: 3.335 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

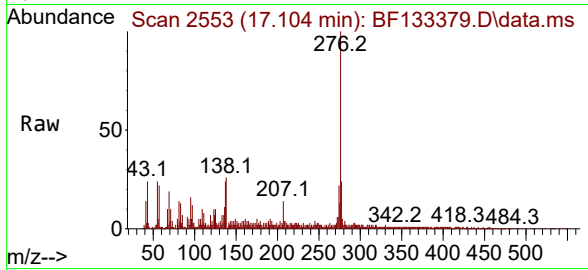
Tgt Ion:278 Resp: 46050
Ion Ratio Lower Upper
278 100
139 33.8 16.6 24.8#
279 36.4 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 11.924 ng
RT: 17.104 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123



Tgt Ion:276 Resp: 162553
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.0
138 26.1 22.7 34.1

