

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
 Data File : BF133623.D
 Acq On : 07 Jun 2023 14:15
 Operator : CG\JU
 Sample : 03028-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-060223

Quant Time: Jun 07 14:55:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 07 11:27:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	133072	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	487007	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	213245	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	347371	20.000	ng	0.00
76) Chrysene-d12	14.010	240	229980	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	180845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	664162	83.273	ng	0.00
7) Phenol-d6	6.463	99	795042	80.976	ng	0.00
23) Nitrobenzene-d5	7.398	82	505695	69.331	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	184663	86.873	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	897158	64.935	ng	0.00
79) Terphenyl-d14	12.951	244	796395	61.570	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.381	77	228	Below Cal	#	62
19) n-Nitroso-di-n-propyla...	7.398	70	70628	11.118	ng	# 76
25) Isophorone	7.398	82	505689	29.748	ng	# 65
32) Benzoic acid	7.851	122	64	7.361	ng	# 1
48) 2-Nitroaniline	9.416	65	123	4.019	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	27538	12.605	ng	# 18
53) 3-Nitroaniline	9.857	138	54	3.194	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	27538	11.762	ng	# 15
62) 4-Nitroaniline	10.439	138	113	3.014	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.663	198	400	8.942	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	11081	3.004	ng	# 1
71) Phenanthrene	11.386	178	61173	3.477	ng	99
75) Fluoranthene	12.574	202	141965	7.305	ng	99
78) Pyrene	12.804	202	147325	7.528	ng	99
81) Benzo(a)anthracene	13.998	228	65558	4.279	ng	92
83) Chrysene	14.033	228	65065	4.207	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	34014	2.953	ng	96
88) Benzo(b)fluoranthene	15.045	252	97274	8.260	ng	# 92
89) Benzo(k)fluoranthene	15.045	252	97274	8.471	ng	# 92
90) Benzo(a)pyrene	15.410	252	52530	4.902	ng	# 92
92) Benzo(g,h,i)perylene	17.374	276	35933	3.816	ng	98

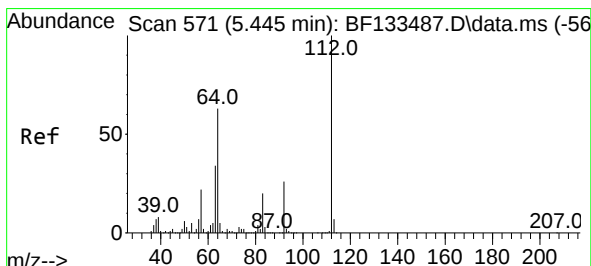
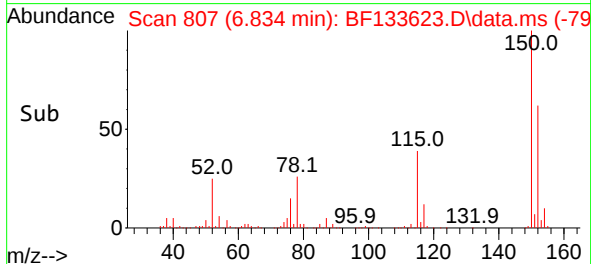
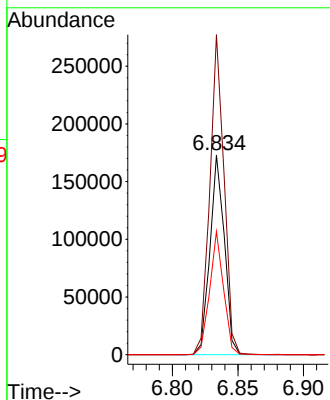
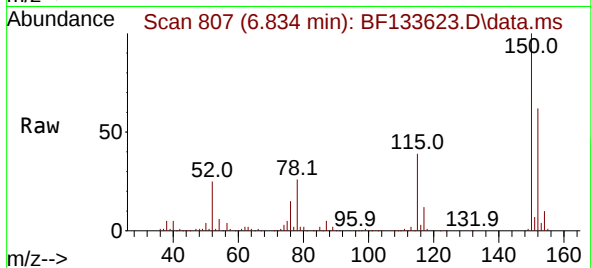
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

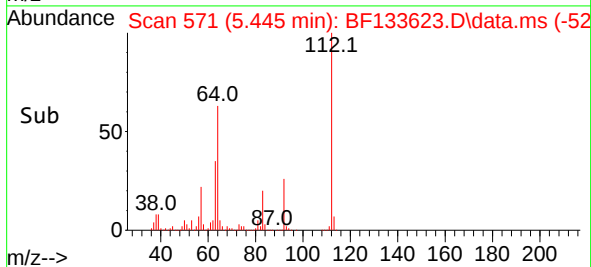
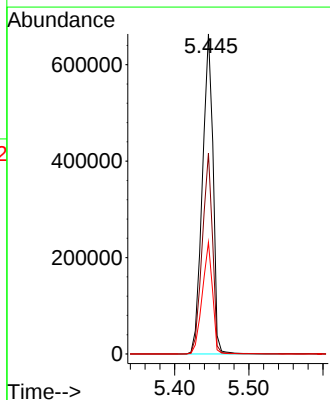
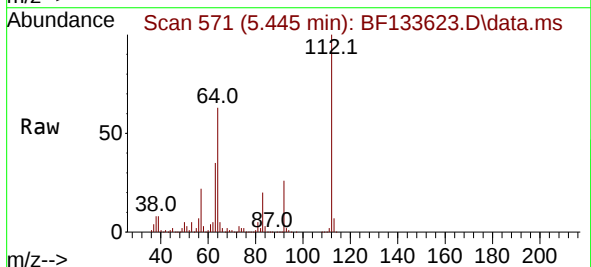
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

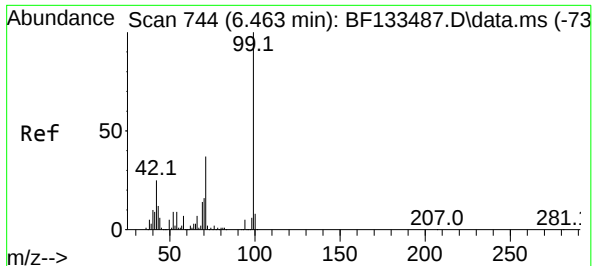
Tgt Ion:152 Resp: 133072
Ion Ratio Lower Upper
152 100
150 160.2 124.9 187.3
115 61.7 48.1 72.1



#5
2-Fluorophenol
Concen: 83.273 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:112 Resp: 664162
Ion Ratio Lower Upper
112 100
64 62.8 50.1 75.1
63 34.9 27.5 41.3

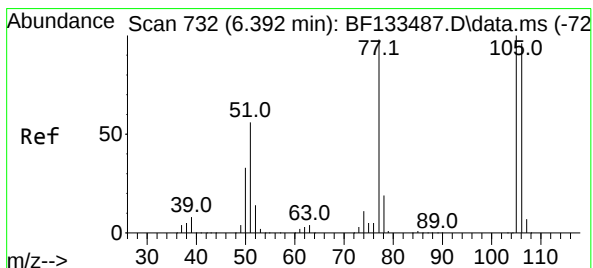
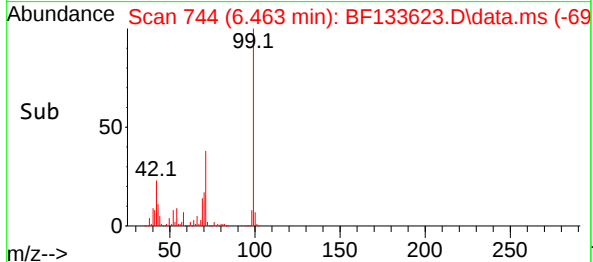
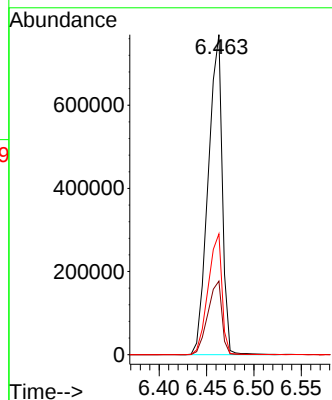
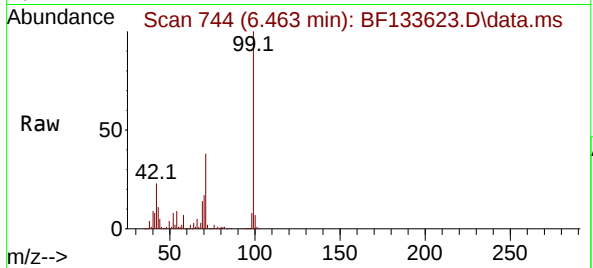




#7
Phenol-d6
Concen: 80.976 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

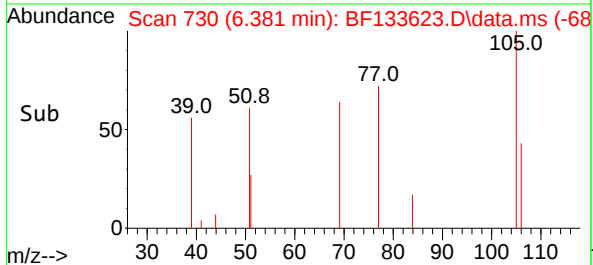
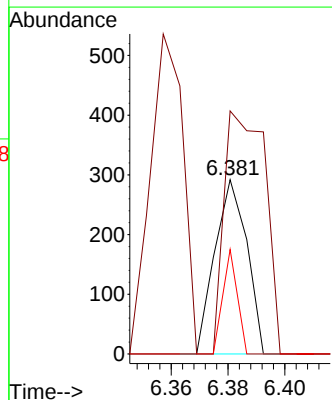
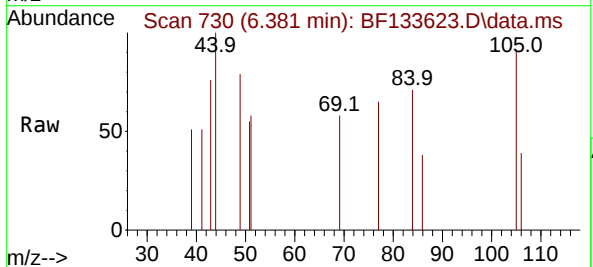
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

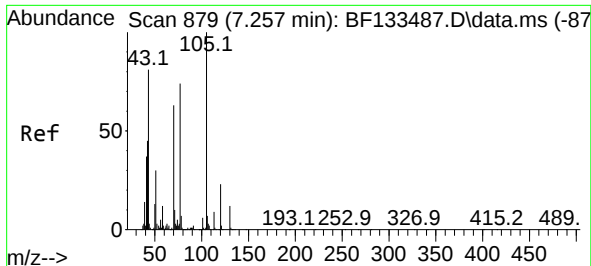
Tgt Ion: 99 Resp: 795042
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 37.8 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion: 77 Resp: 228
Ion Ratio Lower Upper
77 100
105 139.4 81.9 121.9#
106 59.9 77.8 117.8#

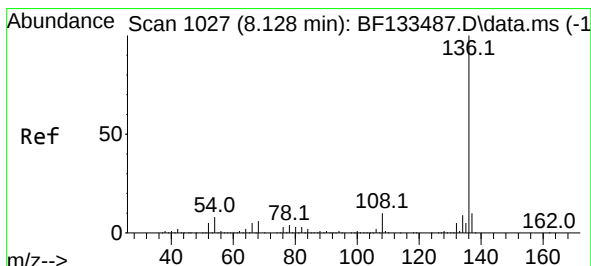
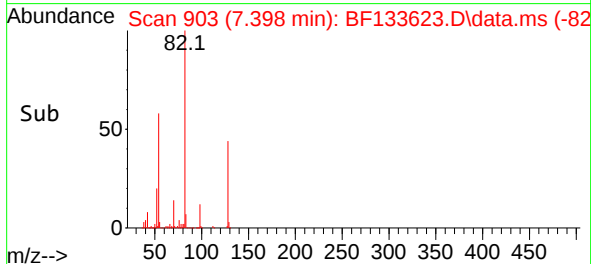
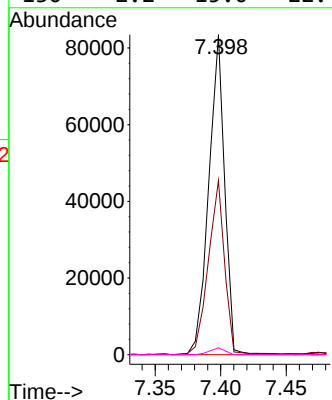
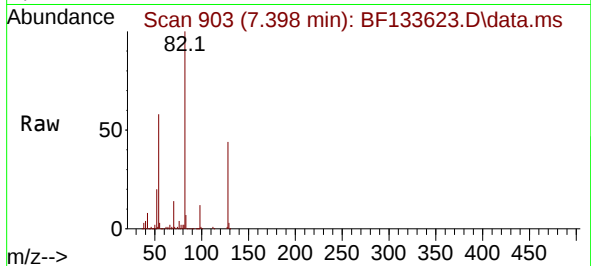




#19
n-Nitroso-di-n-propylamine
Concen: 11.118 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

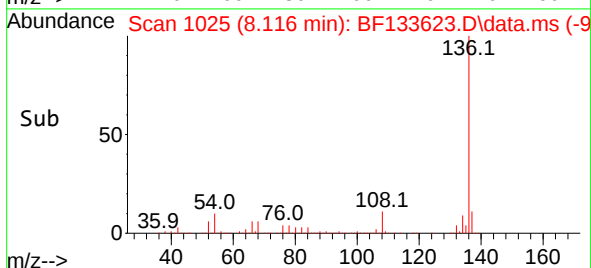
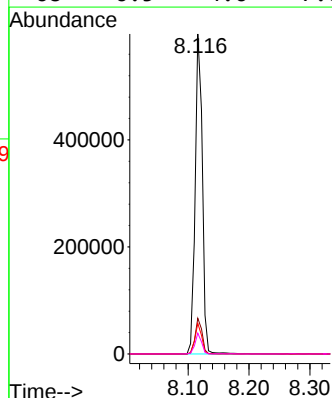
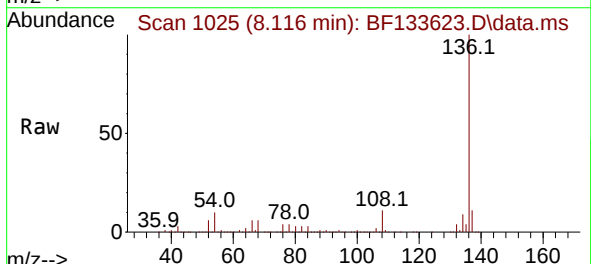
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

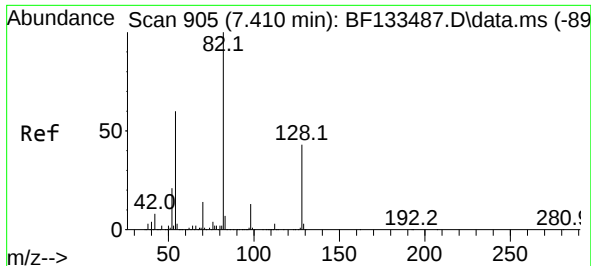
Tgt Ion: 70 Resp: 70628
Ion Ratio Lower Upper
70 100
42 54.4 57.2 85.8#
101 0.0 7.3 10.9#
130 2.2 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion: 136 Resp: 487007
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 9.5 6.6 10.0
68 6.5 4.6 7.0





#23

Nitrobenzene-d5

Concen: 69.331 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133623.D

Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-060223

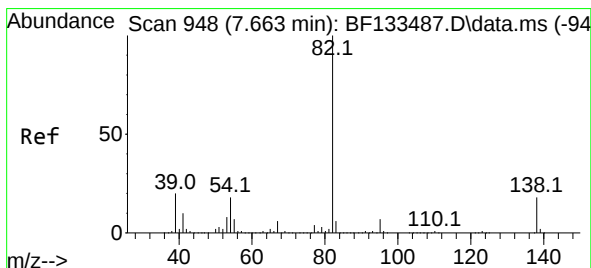
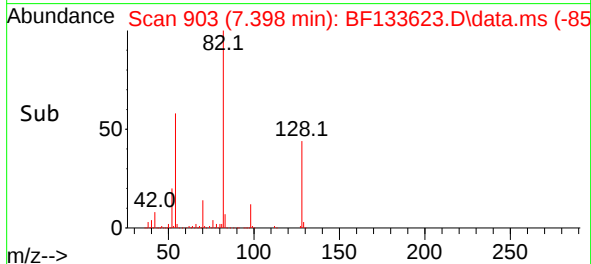
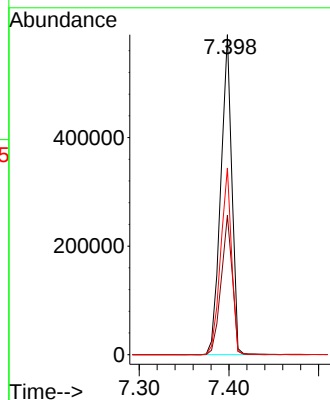
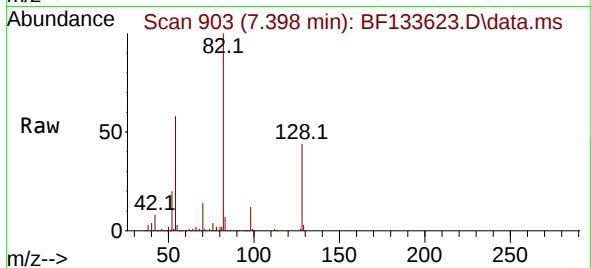
Tgt Ion: 82 Resp: 505695

Ion Ratio Lower Upper

82 100

128 43.6 34.2 51.4

54 58.4 48.2 72.4



#25

Isophorone

Concen: 29.748 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133623.D

Acq: 07 Jun 2023 14:15

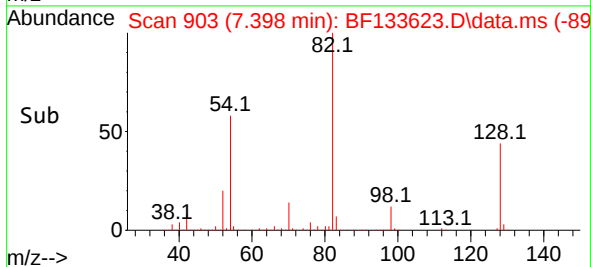
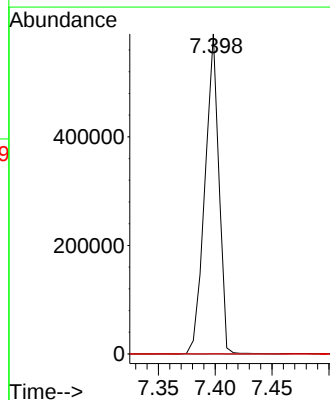
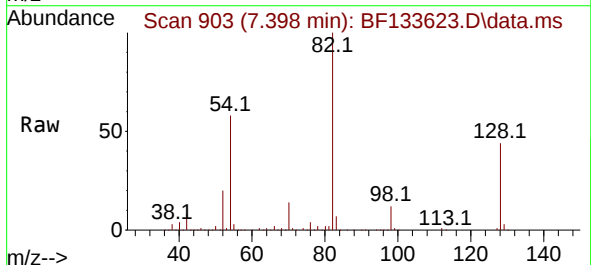
Tgt Ion: 82 Resp: 505689

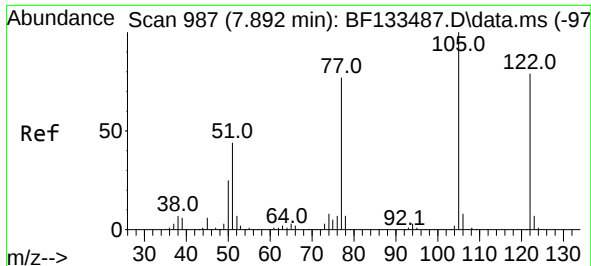
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

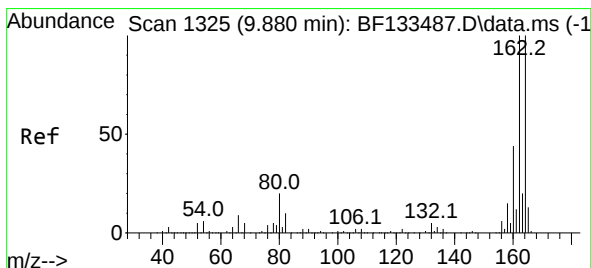
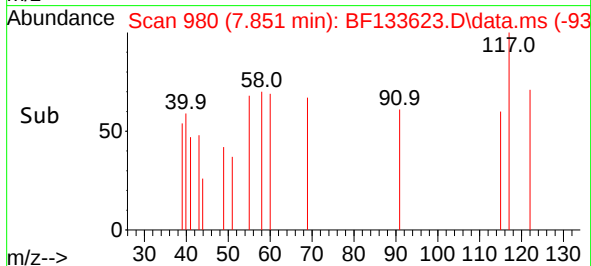
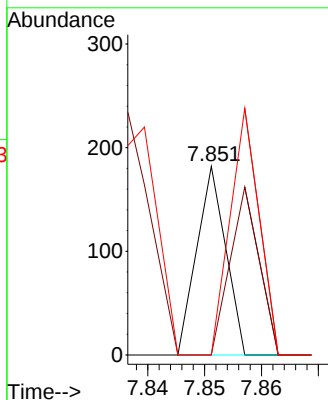
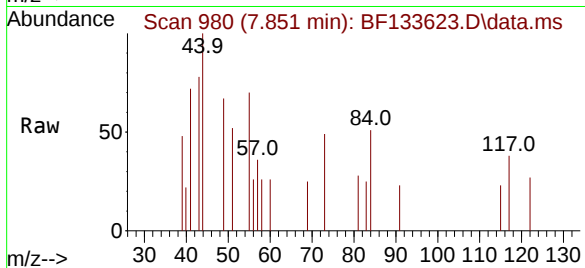




#32
Benzoic acid
Concen: 7.361 ng
RT: 7.851 min Scan# 91
Delta R.T. -0.035 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

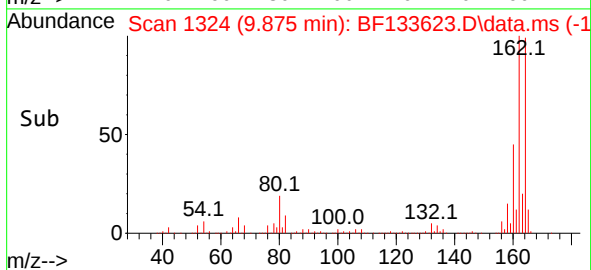
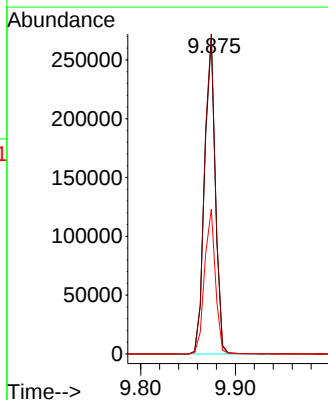
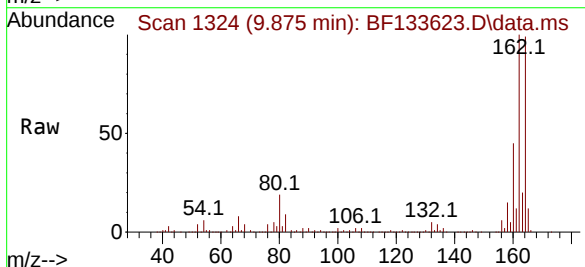
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

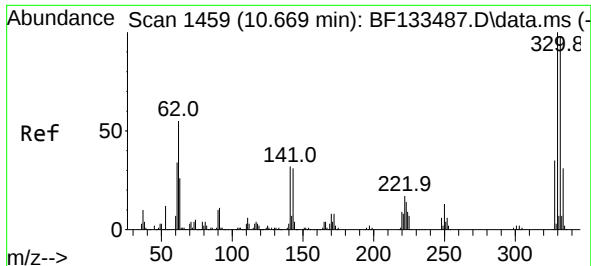
Tgt Ion:122 Resp: 64
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:164 Resp: 213245
Ion Ratio Lower Upper
164 100
162 101.3 79.7 119.5
160 45.8 35.4 53.0

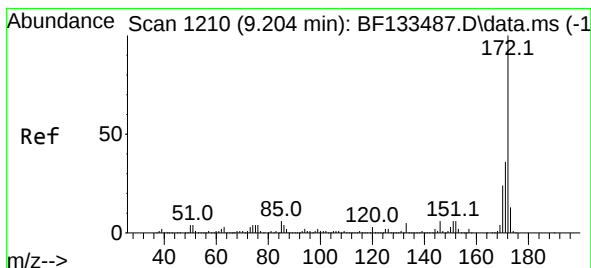
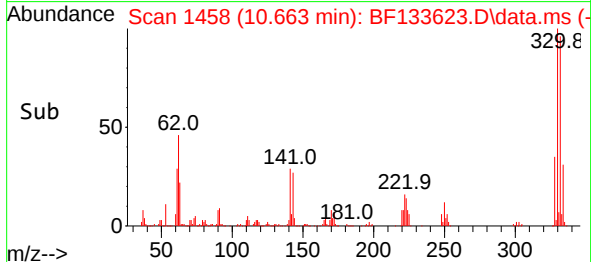
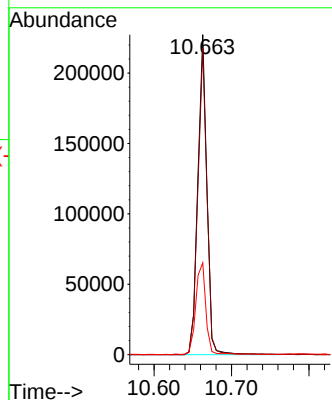
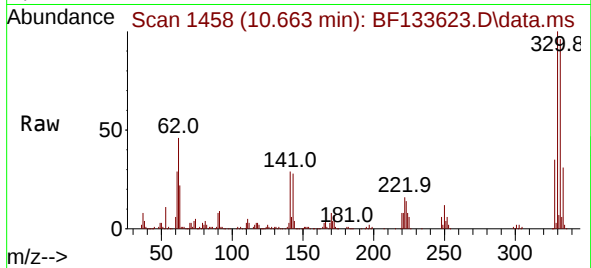




#42
2,4,6-Tribromophenol
Concen: 86.873 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

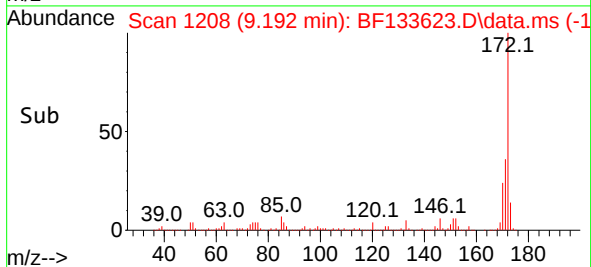
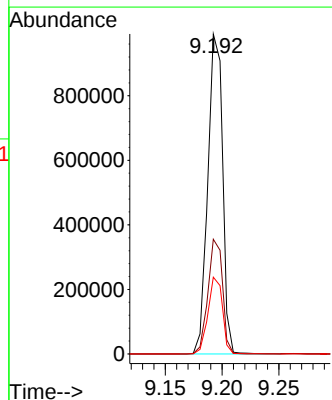
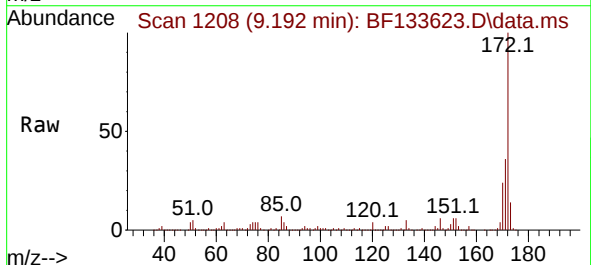
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

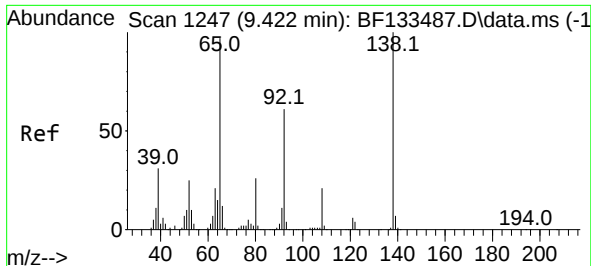
Tgt Ion: 330 Resp: 184663
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.6
141 31.6 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 64.935 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion: 172 Resp: 897158
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.0 19.3 28.9

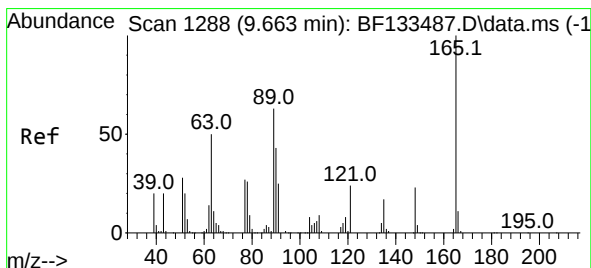
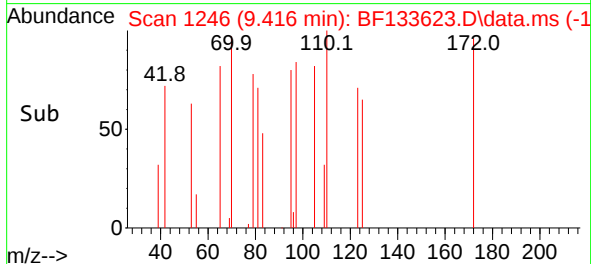
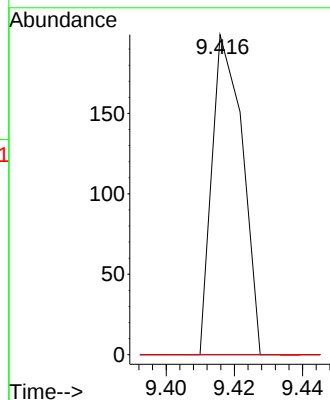
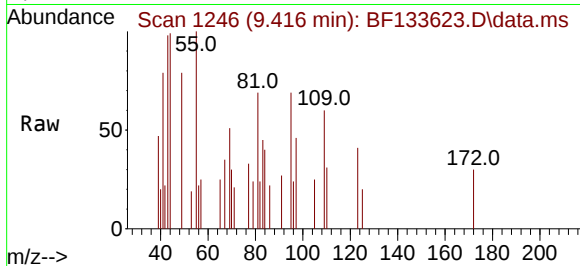




#48
2-Nitroaniline
Concen: 4.019 ng
RT: 9.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

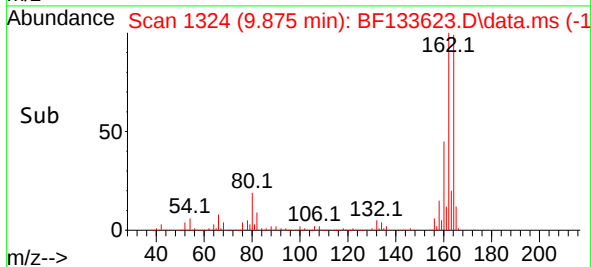
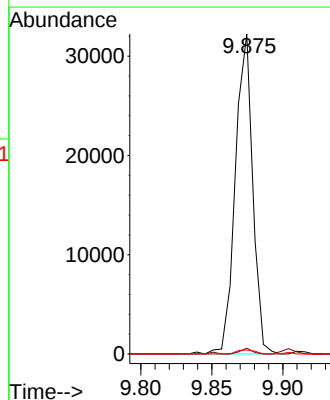
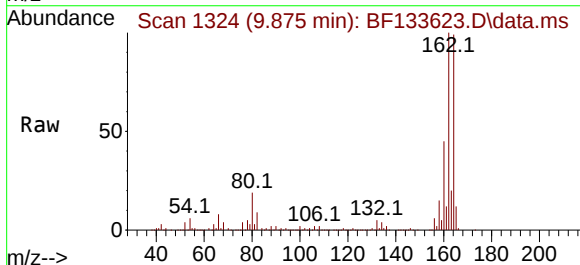
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

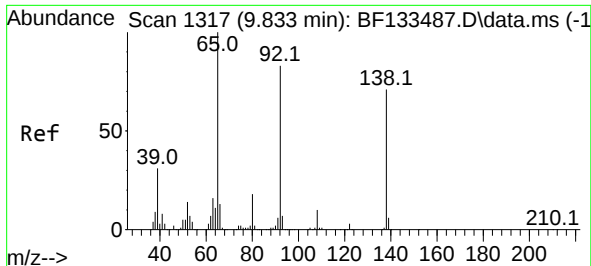
Tgt Ion: 65 Resp: 123
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.605 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion: 165 Resp: 27538
Ion Ratio Lower Upper
165 100
63 1.8 57.0 85.4#
89 1.3 50.8 76.2#

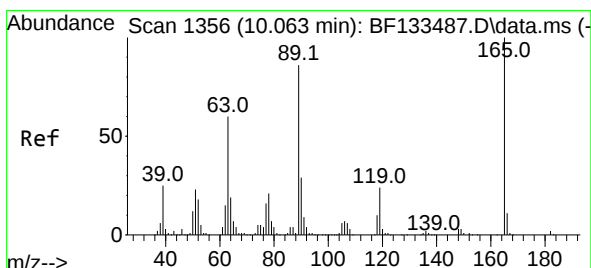
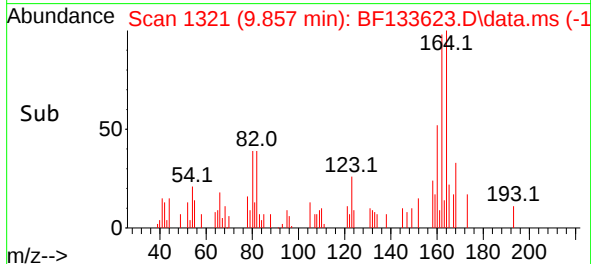
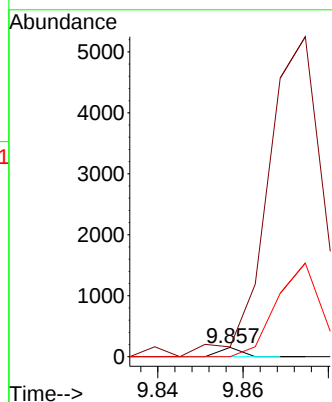
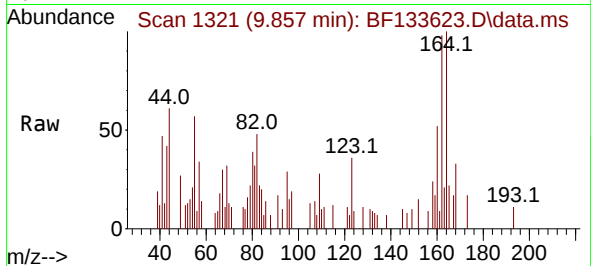




#53
3-Nitroaniline
Concen: 3.194 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

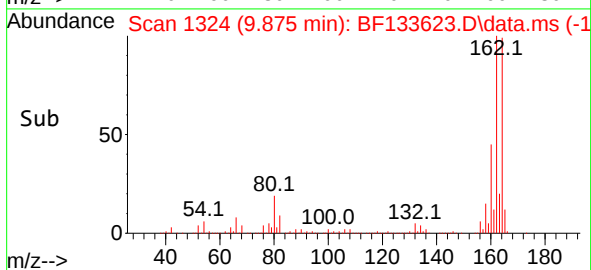
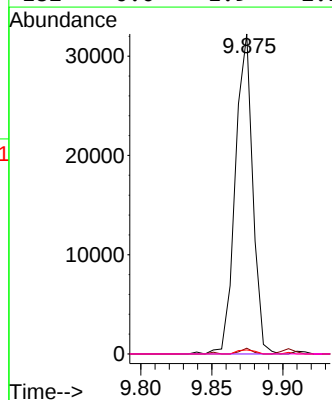
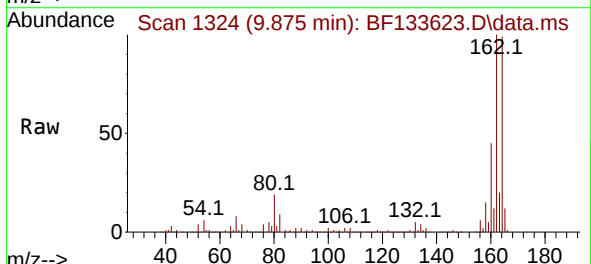
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

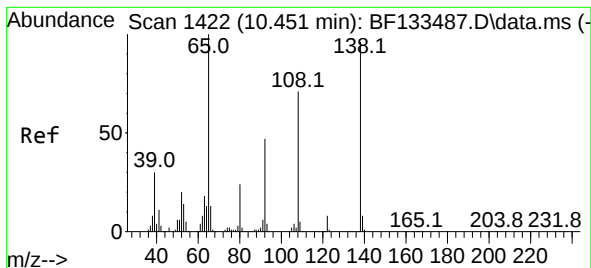
Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
108 105.3 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.762 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:165 Resp: 27538
Ion Ratio Lower Upper
165 100
63 1.8 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#

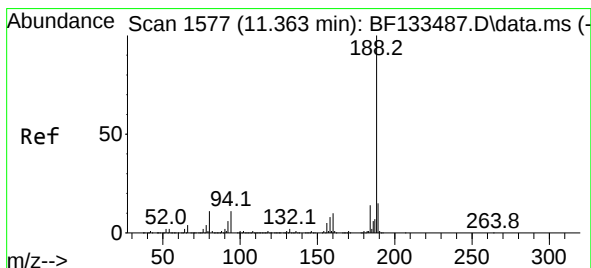
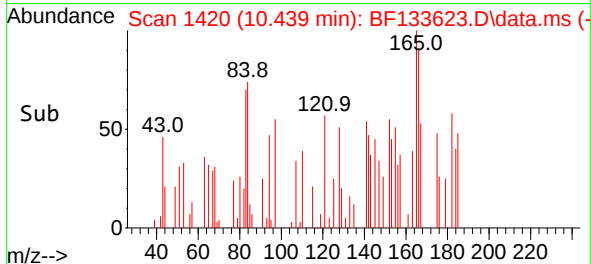
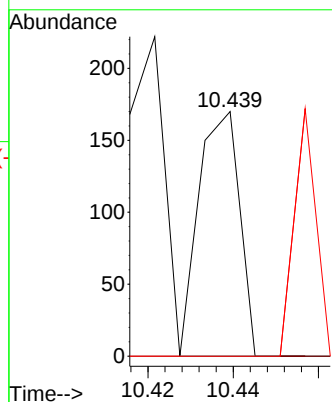
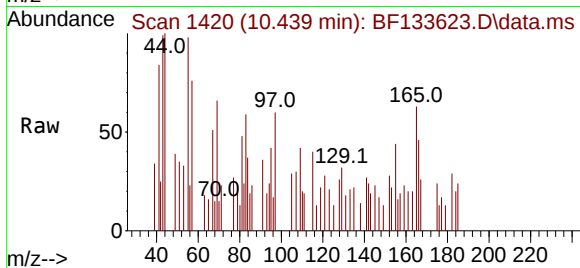




#62
4-Nitroaniline
Concen: 3.014 ng
RT: 10.439 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

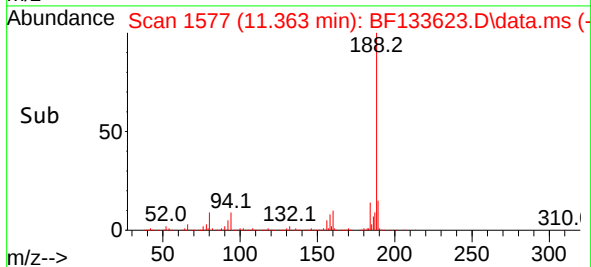
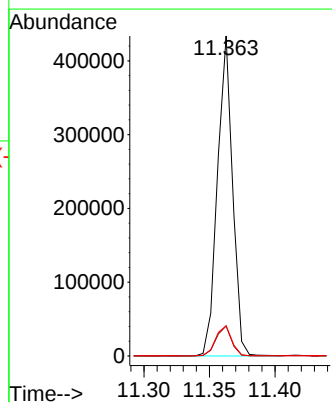
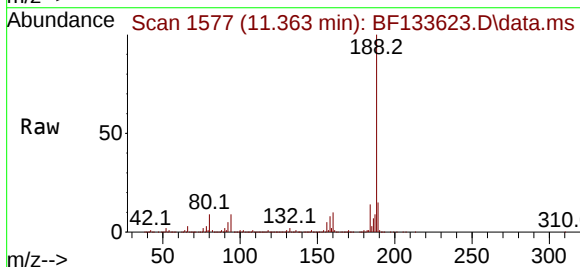
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

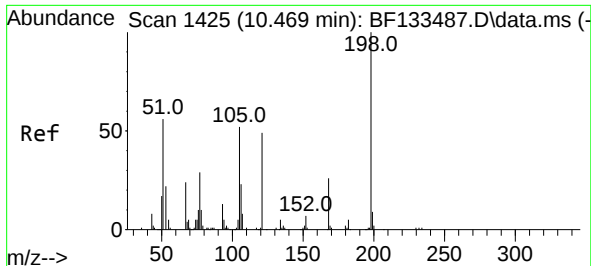
Tgt Ion:138 Resp: 113
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:188 Resp: 347371
Ion Ratio Lower Upper
188 100
94 9.3 8.6 12.8
80 9.5 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.942 ng

RT: 10.663 min Scan# 14

Delta R.T. 0.182 min

Lab File: BF133623.D

Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-060223

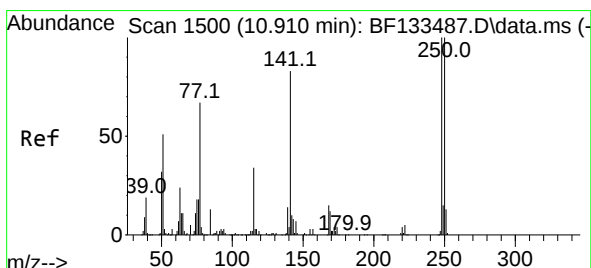
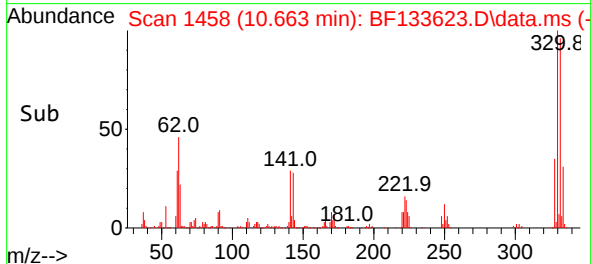
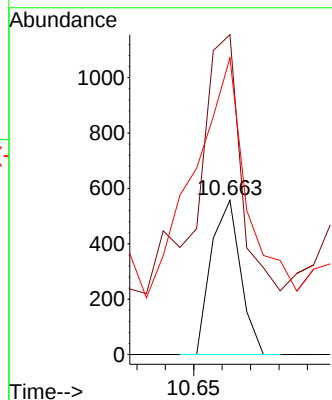
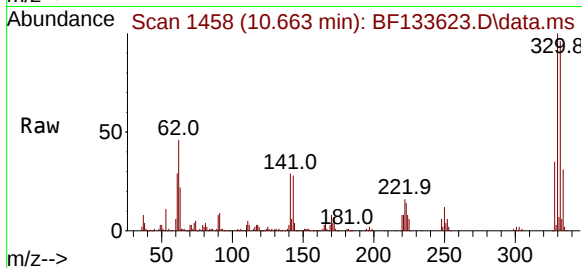
Tgt Ion:198 Resp: 400

Ion Ratio Lower Upper

198 100

51 207.4 53.6 93.6#

105 192.3 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 3.004 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.247 min

Lab File: BF133623.D

Acq: 07 Jun 2023 14:15

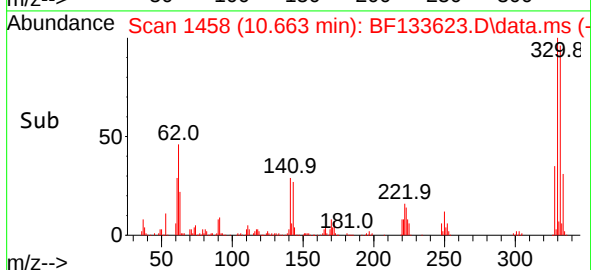
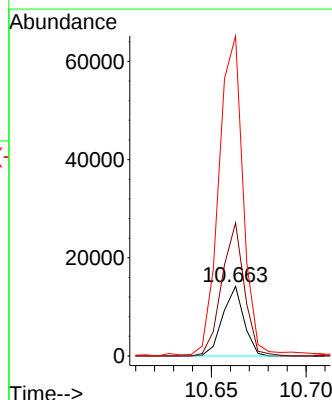
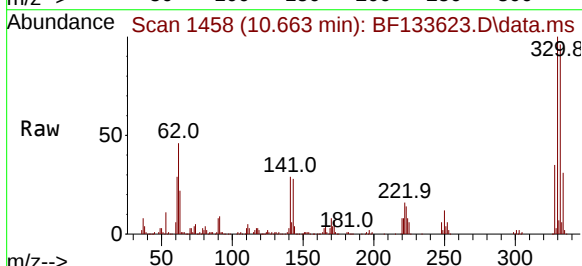
Tgt Ion:248 Resp: 11081

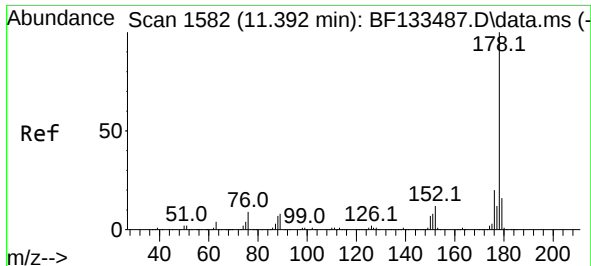
Ion Ratio Lower Upper

248 100

250 191.3 79.7 119.5#

141 459.8 66.6 100.0#

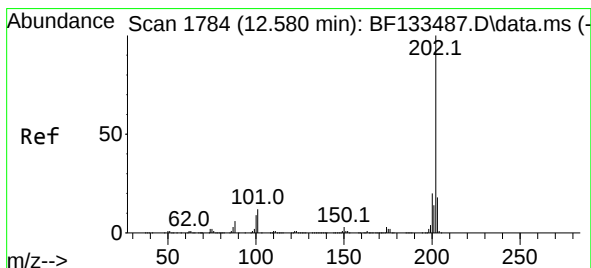
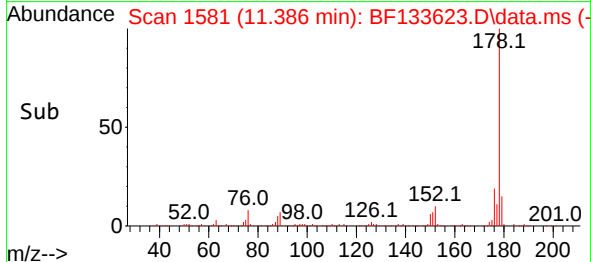
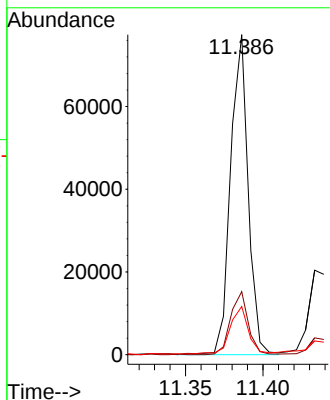
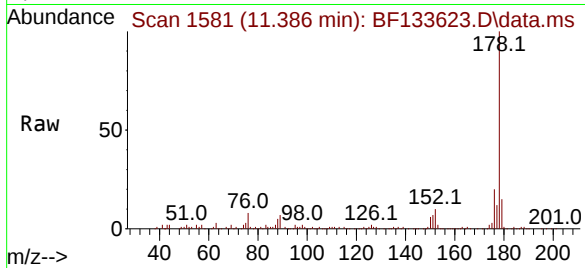




#71
Phenanthrene
Concen: 3.477 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

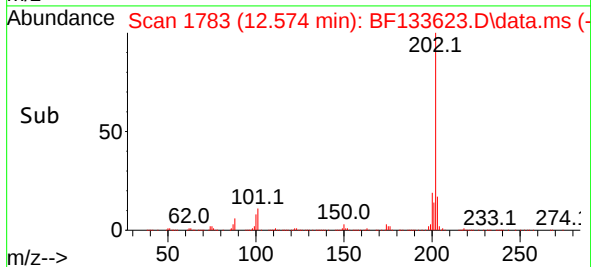
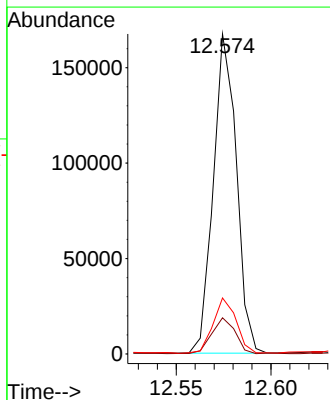
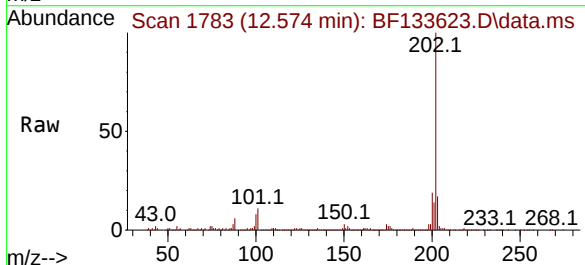
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

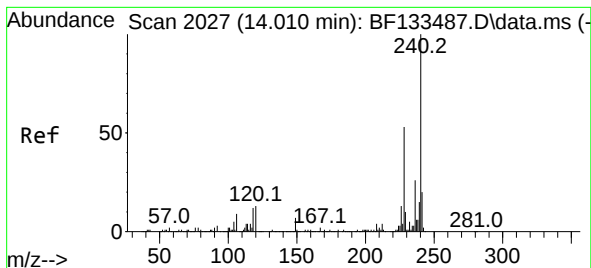
Tgt Ion:178 Resp: 61173
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.0 12.4 18.6



#75
Fluoranthene
Concen: 7.305 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:202 Resp: 141965
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.2
203 17.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF133623.D

Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-060223

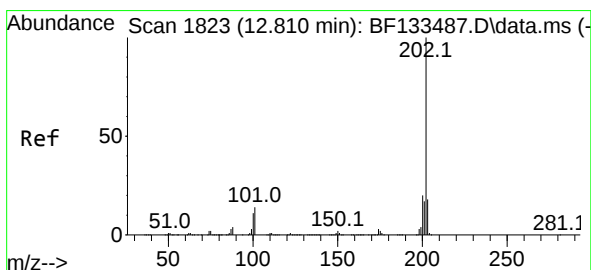
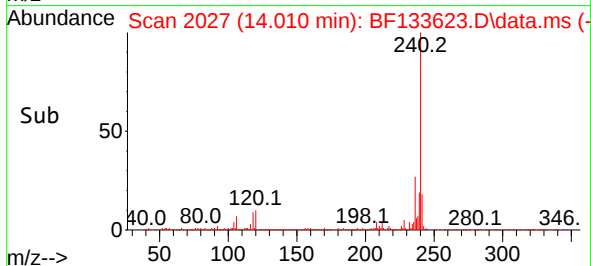
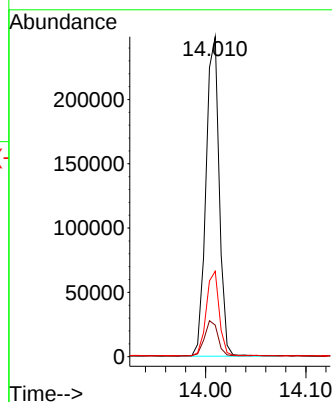
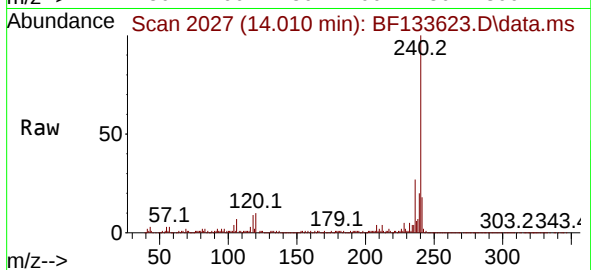
Tgt Ion:240 Resp: 229980

Ion Ratio Lower Upper

240 100

120 9.8 10.3 15.5#

236 26.7 20.5 30.7



#78

Pyrene

Concen: 7.528 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF133623.D

Acq: 07 Jun 2023 14:15

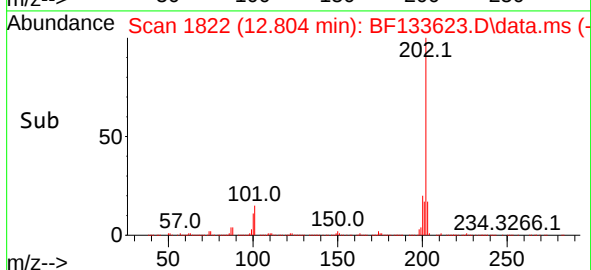
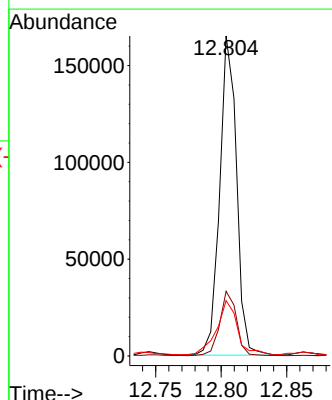
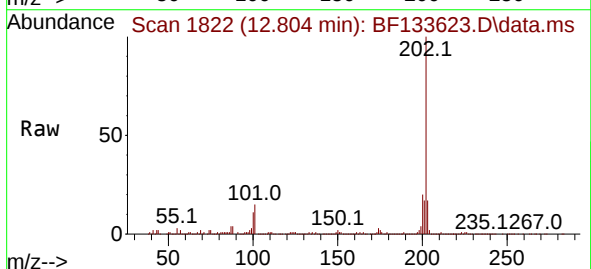
Tgt Ion:202 Resp: 147325

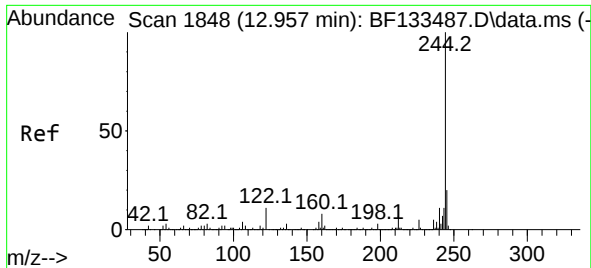
Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

203 17.3 14.3 21.5

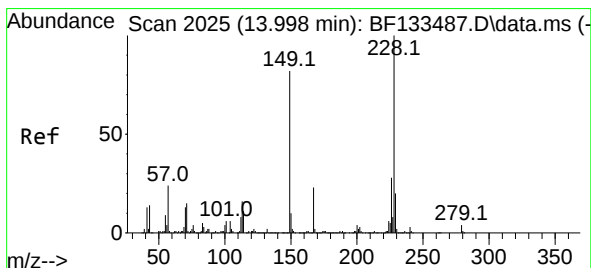
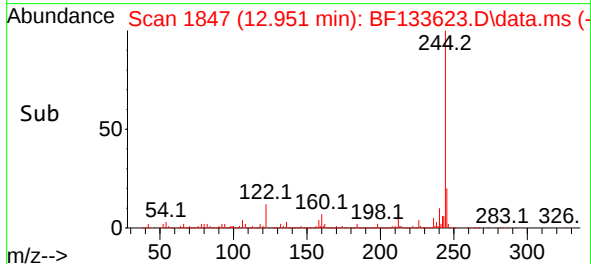
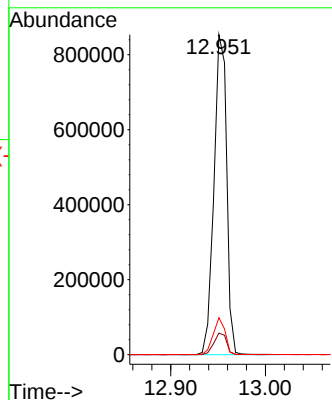
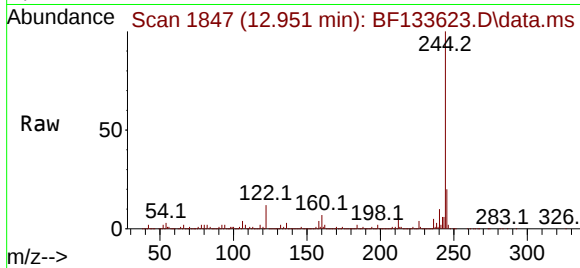




#79
 Terphenyl-d14
 Concen: 61.570 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133623.D
 Acq: 07 Jun 2023 14:15

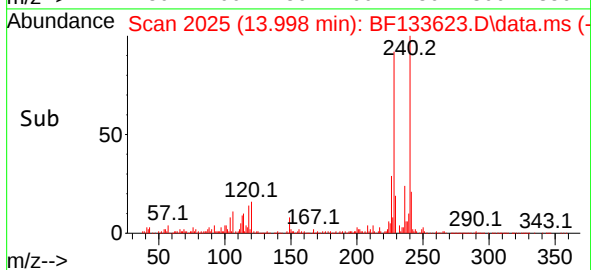
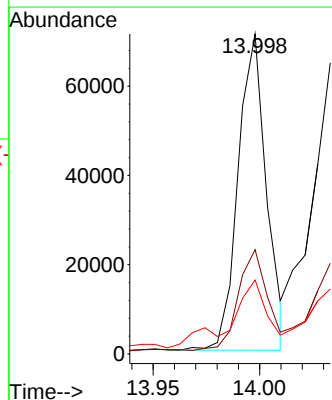
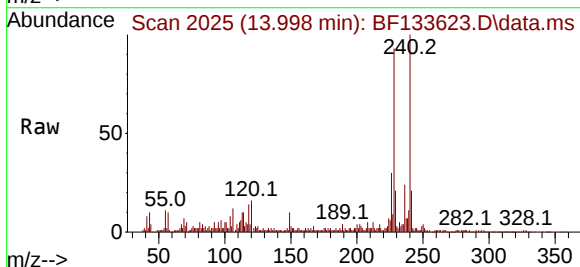
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-060223

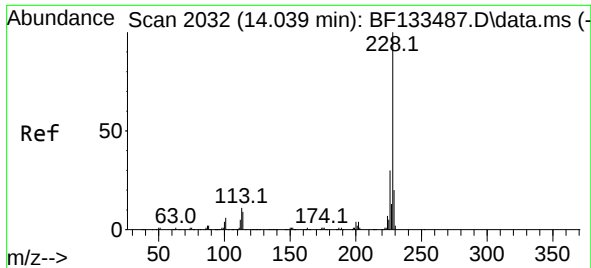
Tgt Ion:244 Resp: 796395
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 11.6 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 4.279 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF133623.D
 Acq: 07 Jun 2023 14:15

Tgt Ion:228 Resp: 65558
 Ion Ratio Lower Upper
 228 100
 226 32.6 22.3 33.5
 229 23.1 16.1 24.1

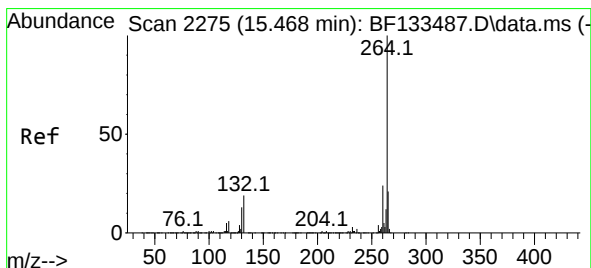
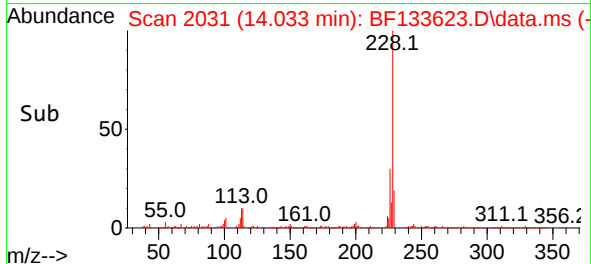
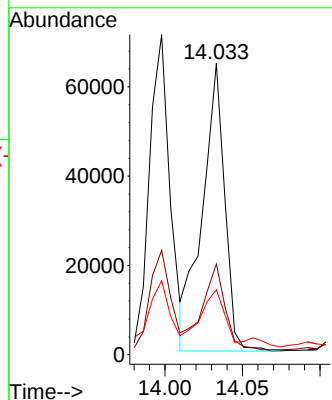
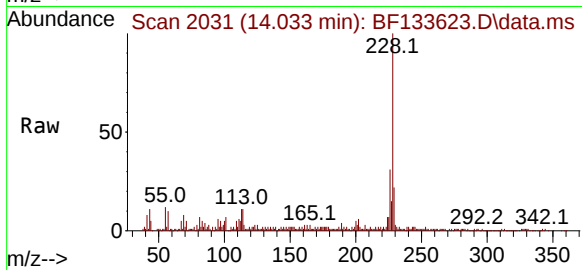




#83
Chrysene
Concen: 4.207 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

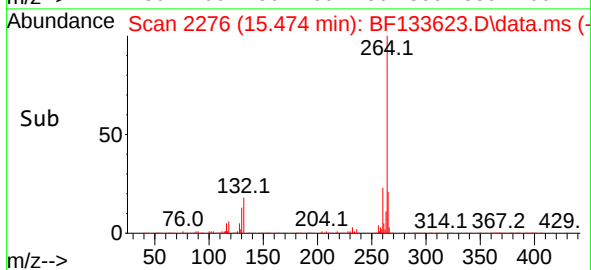
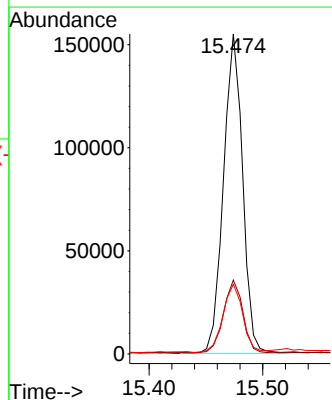
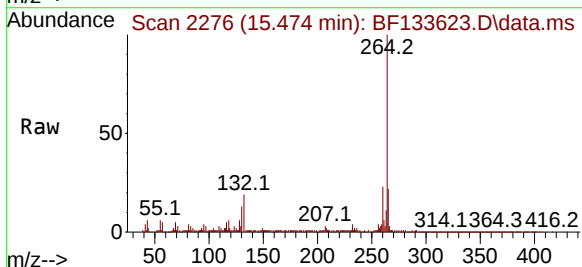
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

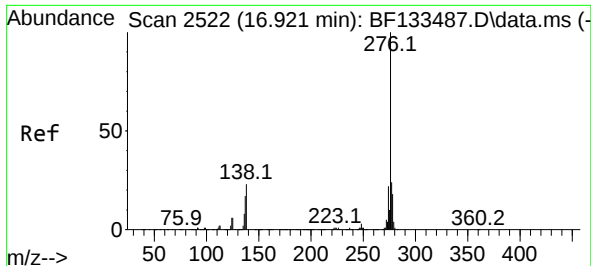
Tgt Ion:228	Resp: 65065
Ion Ratio	Lower Upper
228 100	
226 31.2	24.1 36.1
229 22.3	15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:264	Resp: 180845
Ion Ratio	Lower Upper
264 100	
260 23.1	19.0 28.4
265 21.8	16.8 25.2

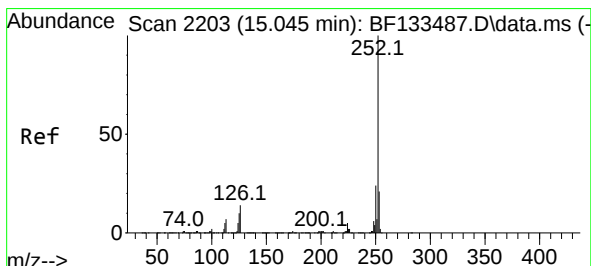
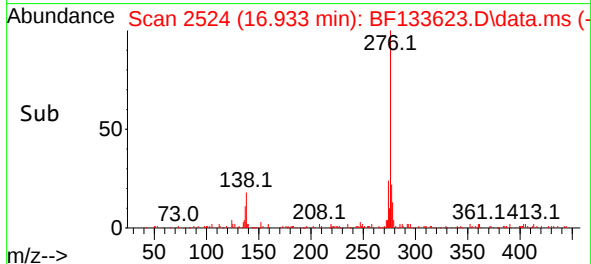
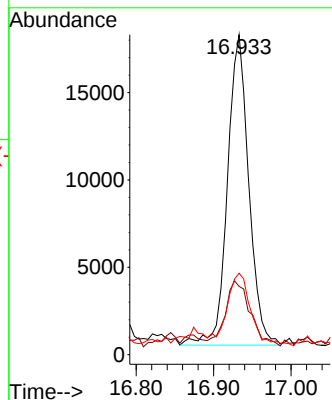
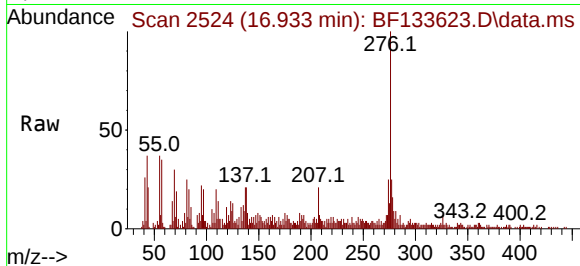




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.953 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

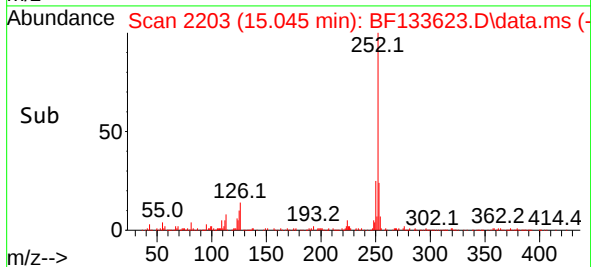
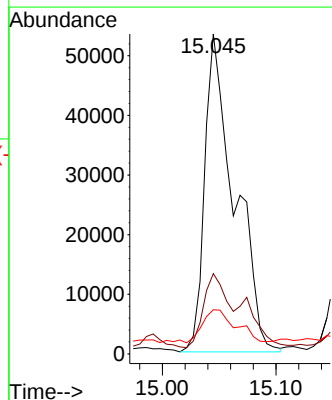
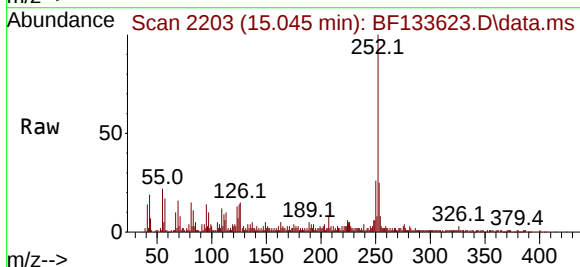
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

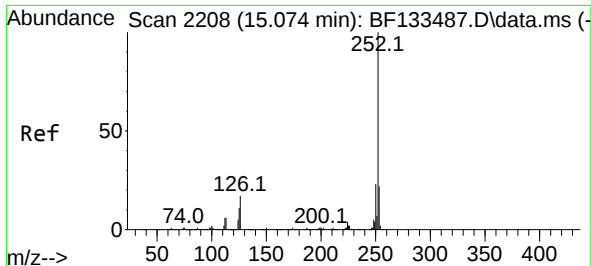
Tgt Ion:276 Resp: 34014
Ion Ratio Lower Upper
276 100
138 24.5 21.4 32.2
277 26.6 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 8.260 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:252 Resp: 97274
Ion Ratio Lower Upper
252 100
253 25.1 17.2 25.8
125 13.8 8.1 12.1#

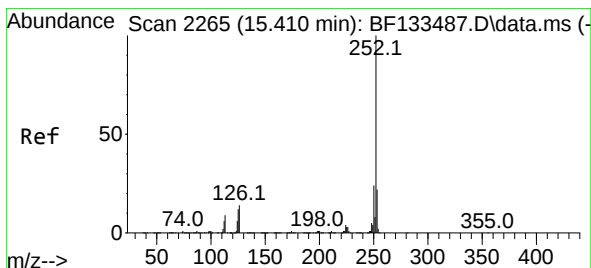
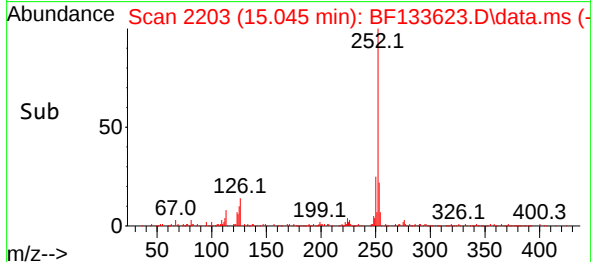
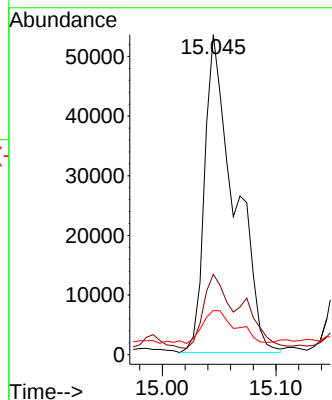
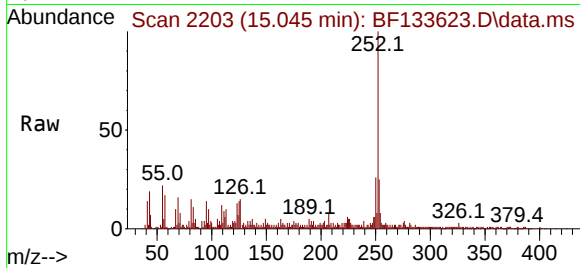




#89
Benzo(k)fluoranthene
Concen: 8.471 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

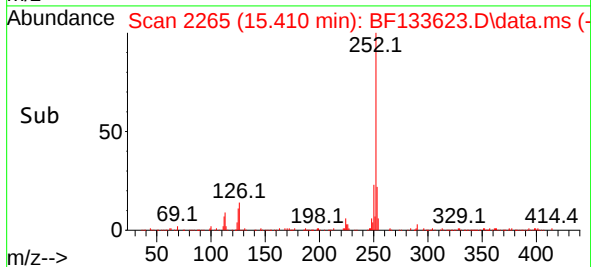
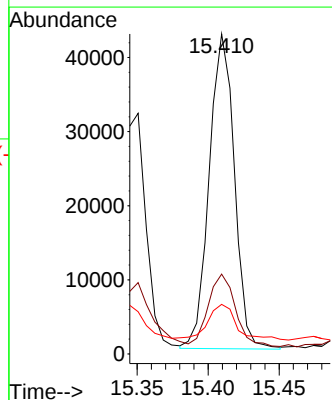
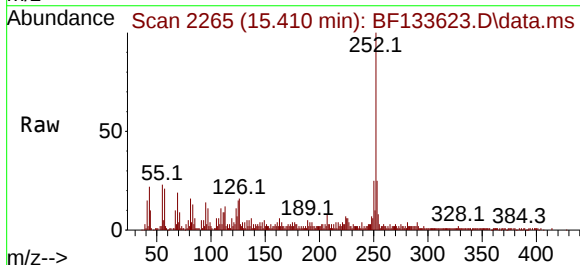
Instrument :
BNA_F
ClientSampleId :
OR-02-060223

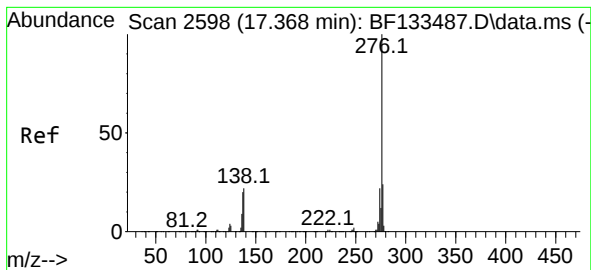
Tgt Ion:252 Resp: 97274
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 13.8 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 4.902 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.006 min
Lab File: BF133623.D
Acq: 07 Jun 2023 14:15

Tgt Ion:252 Resp: 52530
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 15.5 9.4 14.0#





#92

Benzo(g,h,i)perylene

Concen: 3.816 ng

RT: 17.374 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133623.D

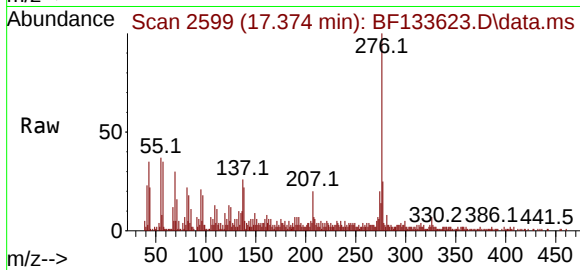
Acq: 07 Jun 2023 14:15

Instrument :

BNA_F

ClientSampleId :

OR-02-060223



Tgt Ion:276 Resp: 35933

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 22.2 17.8 26.6

