

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130983.D
 Acq On : 04 Nov 2022 03:41
 Operator : CG\JU
 Sample : N5433-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-110222

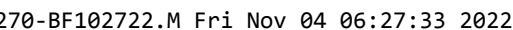
Quant Time: Nov 04 06:27:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

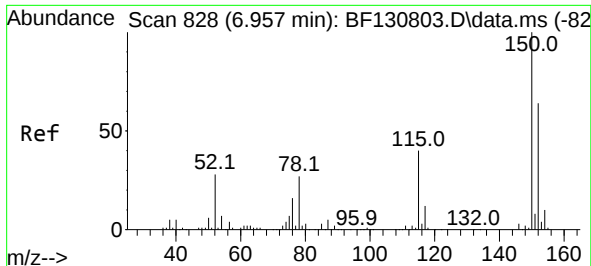
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	83135	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	274649	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	137502	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	258527	20.000	ng	0.00
76) Chrysene-d12	14.115	240	156527	20.000	ng	0.01
86) Perylene-d12	15.633	264	114030	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	204100	42.561	ng	0.00
7) Phenol-d6	6.539	99	241730	38.790	ng	0.00
23) Nitrobenzene-d5	7.481	82	136487	29.966	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	55565	48.005	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	246439	27.097	ng	0.00
79) Terphenyl-d14	13.051	244	269937	31.601	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.481	82	136485	14.531	ng	# 66
26) 2-Nitrophenol	7.916	139	69	4.114	ng	# 7
32) Benzoic acid	7.951	122	55	7.697	ng	# 65
48) 2-Nitroaniline	9.516	65	153	4.202	ng	# 36
49) Acenaphthylene	9.827	152	40555	3.267	ng	# 99
51) 2,6-Dinitrotoluene	9.610	165	1064	3.347	ng	# 27
54) 2,4-Dinitrophenol	10.251	184	112	4.349	ng	# 33
57) 2,4-Dinitrotoluene	10.204	165	879	4.066	ng	# 55
58) Fluorene	10.516	166	18009	2.056	ng	# 97
65) 4,6-Dinitro-2-methylph...	10.522	198	56	7.972	ng	# 1
71) Phenanthrene	11.486	178	176559	13.232	ng	100
72) Anthracene	11.539	178	58579	4.451	ng	98
75) Fluoranthene	12.680	202	428928	30.255	ng	99
78) Pyrene	12.916	202	414891	31.417	ng	99
81) Benzo(a)anthracene	14.139	228	139432	13.436	ng	94
83) Chrysene	14.139	228	139432	13.929	ng	97
84) Bis(2-ethylhexyl)phtha...	14.086	149	23944	4.191	ng	# 88
88) Benzo(b)fluoranthene	15.180	252	213188	28.922	ng	# 91
89) Benzo(k)fluoranthene	15.180	252	213188	29.681	ng	# 92
90) Benzo(a)pyrene	15.562	252	113730	19.193	ng	# 90
91) Dibenzo(a,h)anthracene	17.186	278	17339	2.809	ng	# 64
92) Benzo(g,h,i)perylene	17.645	276	75107	11.926	ng	# 94

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

Quant Time: Nov 04 06:27:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 06:20:24 2022
Response via : Initial Calibration

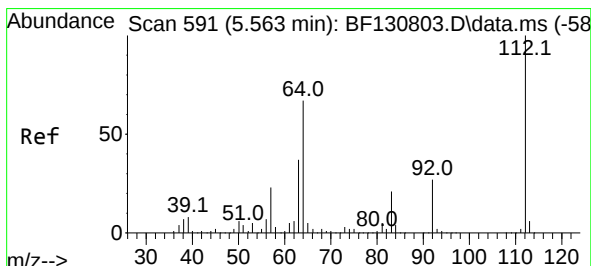
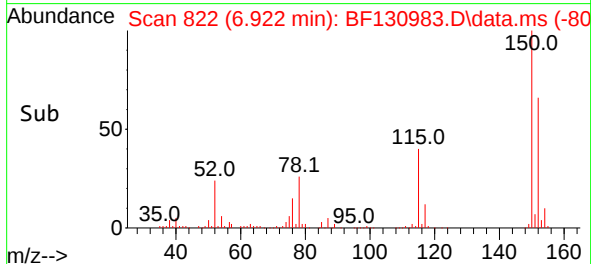
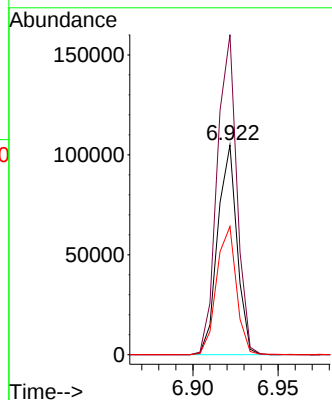
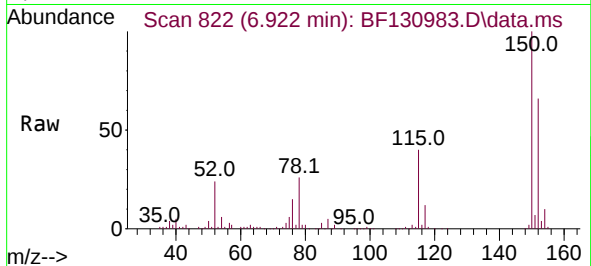




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

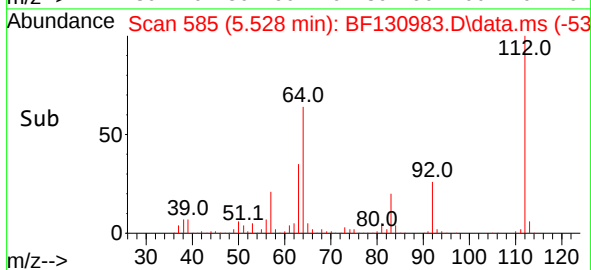
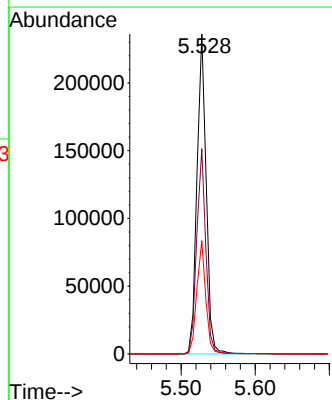
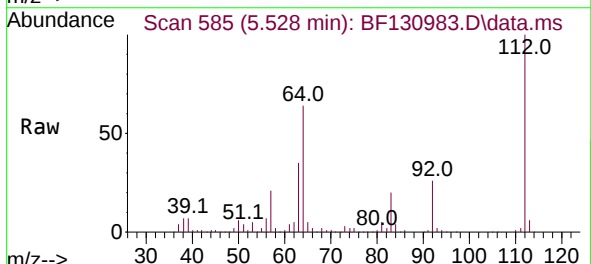
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

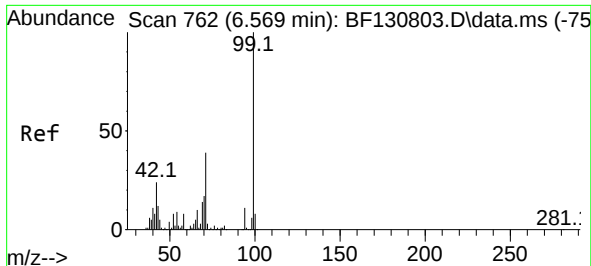
Tgt Ion:152 Resp: 83135
Ion Ratio Lower Upper
152 100
150 152.6 124.1 186.1
115 61.1 50.1 75.1



#5
2-Fluorophenol
Concen: 42.561 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:112 Resp: 204100
Ion Ratio Lower Upper
112 100
64 64.1 53.9 80.9
63 35.4 29.4 44.2

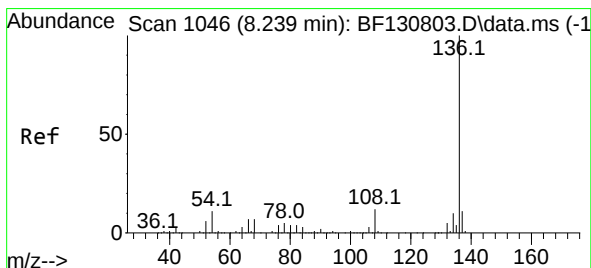
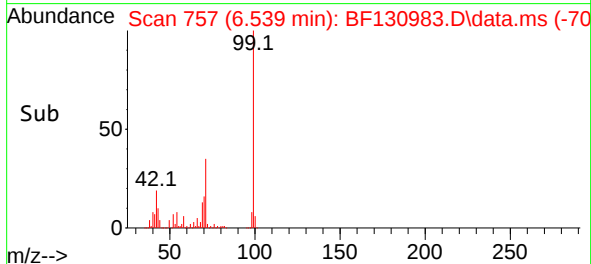
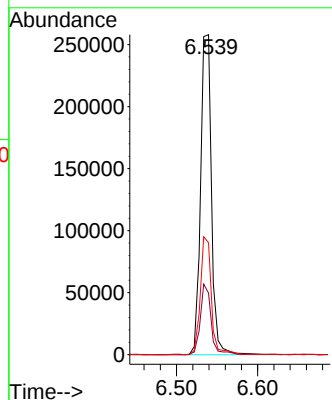
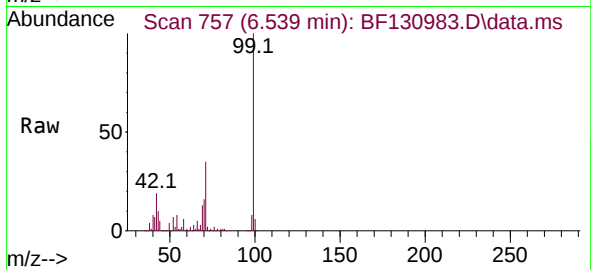




#7
Phenol-d6
Concen: 38.790 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

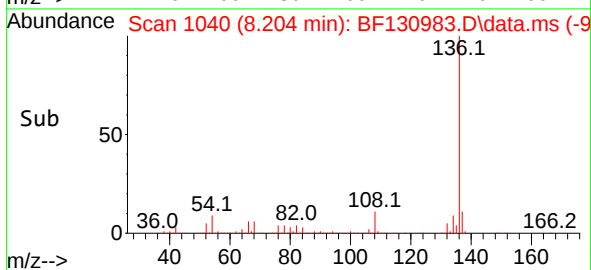
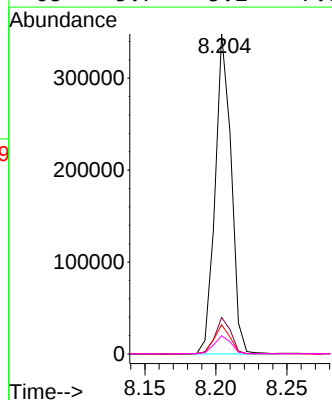
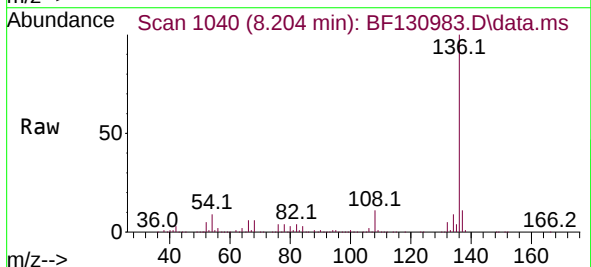
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

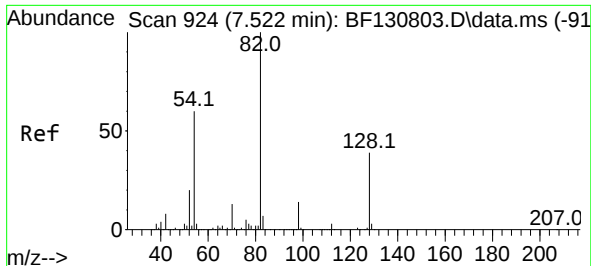
Tgt Ion: 99 Resp: 241730
Ion Ratio Lower Upper
99 100
42 19.2 18.8 28.2
71 35.0 31.4 47.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion: 136 Resp: 274649
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 9.1 8.8 13.2
68 5.7 5.2 7.8

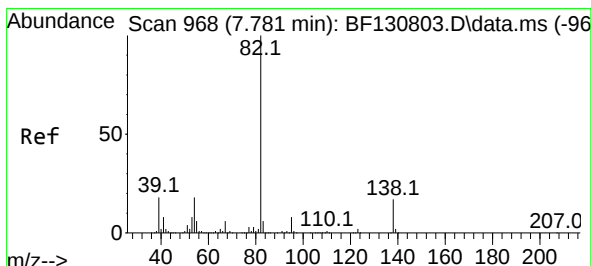
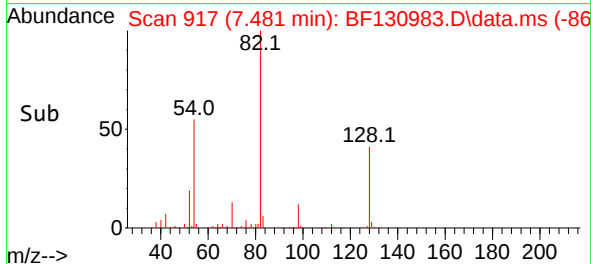
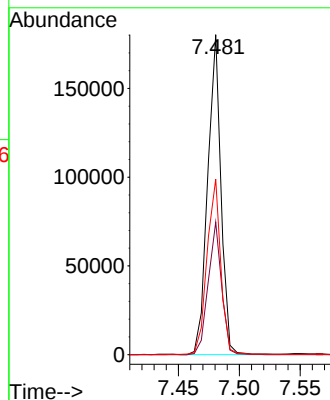
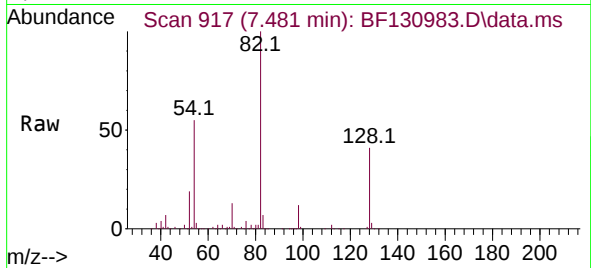




#23
Nitrobenzene-d5
Concen: 29.966 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

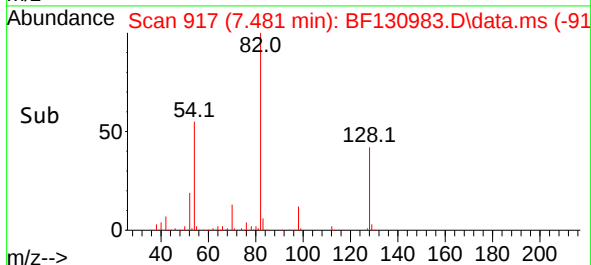
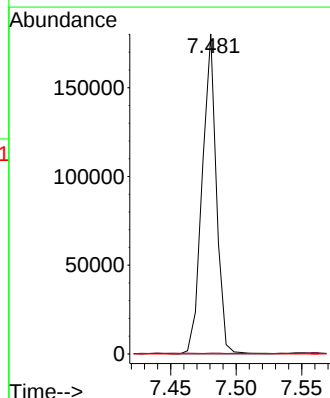
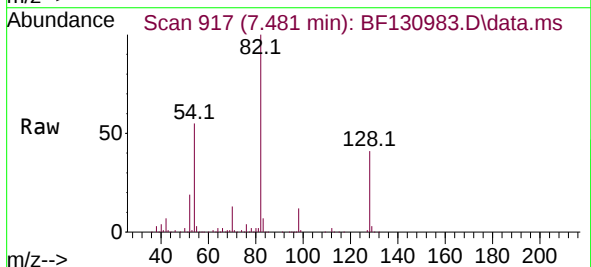
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

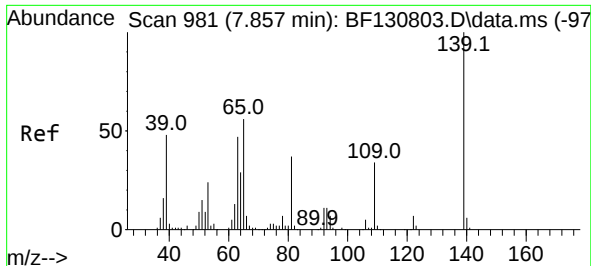
Tgt Ion: 82 Resp: 136487
Ion Ratio Lower Upper
82 100
128 41.4 31.2 46.8
54 54.8 48.0 72.0



#25
Isophorone
Concen: 14.531 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.259 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion: 82 Resp: 136485
Ion Ratio Lower Upper
82 100
95 0.3 6.2 9.4#
138 0.0 13.8 20.6#

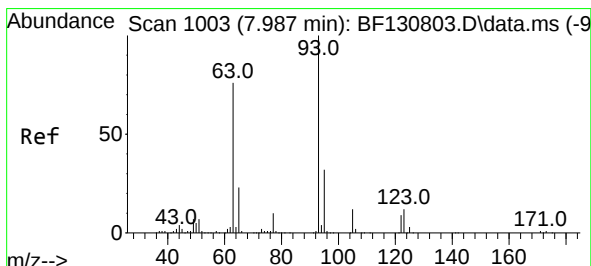
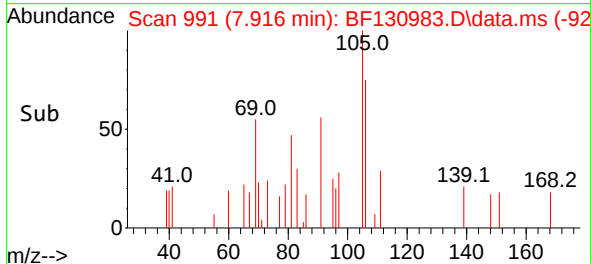
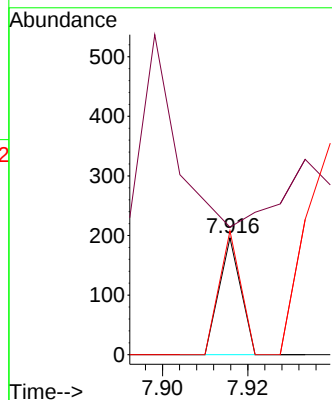
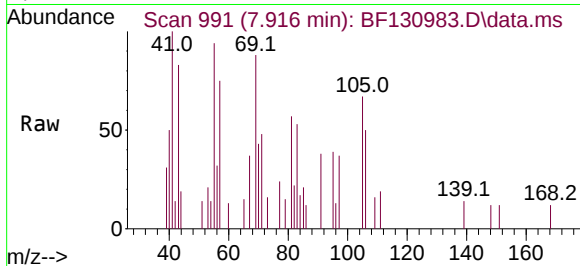




#26
2-Nitrophenol
Concen: 4.114 ng
RT: 7.916 min Scan# 991
Delta R.T. 0.100 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

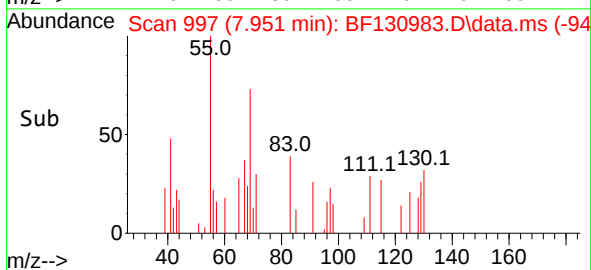
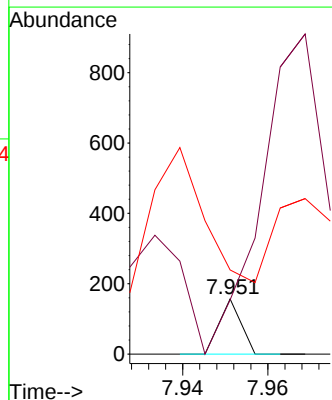
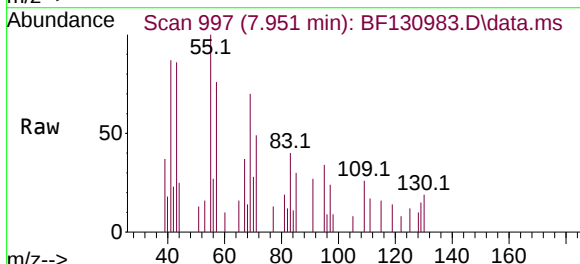
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

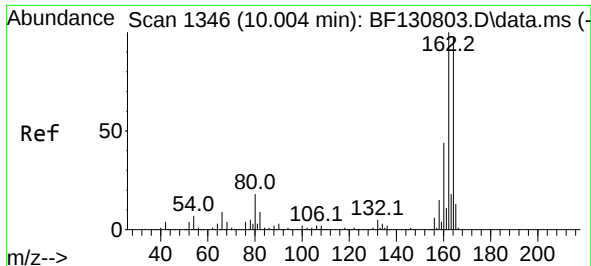
Tgt Ion:139 Resp: 69
Ion Ratio Lower Upper
139 100
109 109.2 27.3 40.9#
65 106.1 44.6 67.0#



#32
Benzoic acid
Concen: 7.697 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.012 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 98.1 114.5 154.5#
77 152.2 89.8 129.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

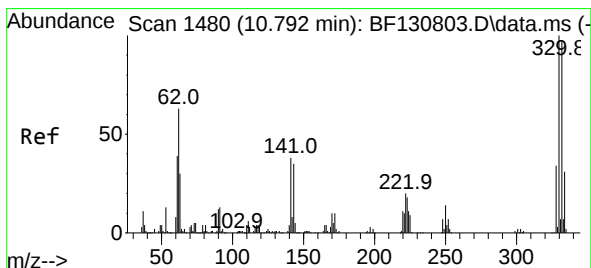
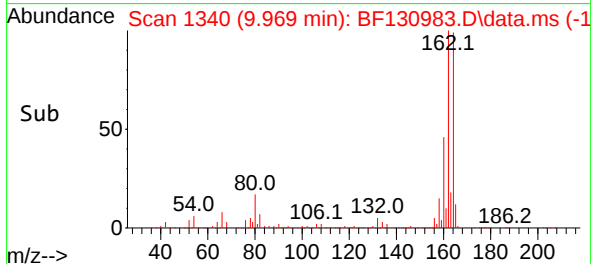
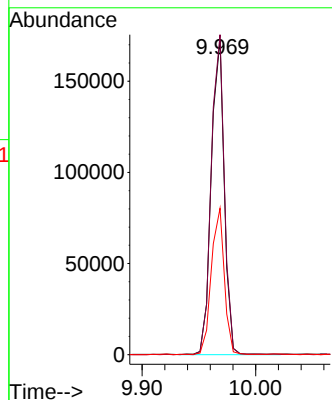
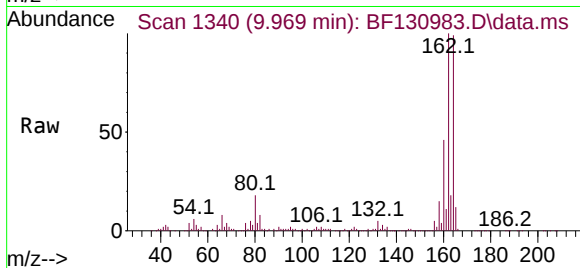
Tgt Ion:164 Resp: 137502

Ion Ratio Lower Upper

164 100

162 101.5 82.2 123.2

160 46.4 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 48.005 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.000 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

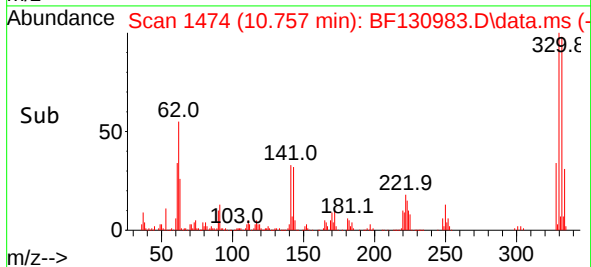
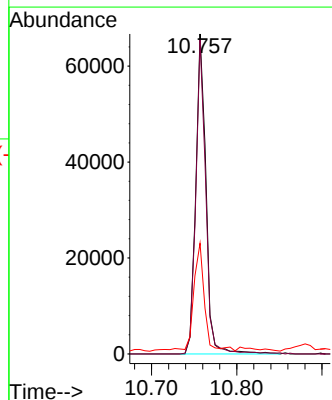
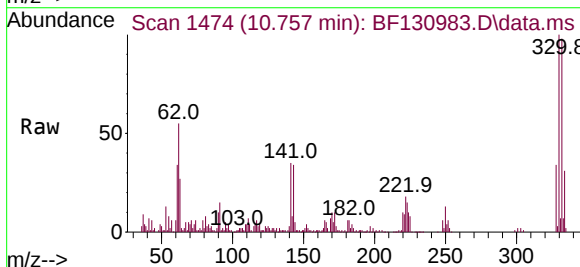
Tgt Ion:330 Resp: 55565

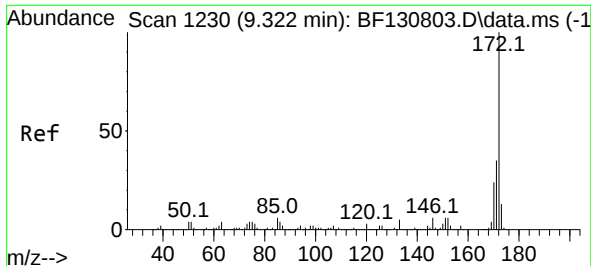
Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.4

141 36.2 31.4 47.0

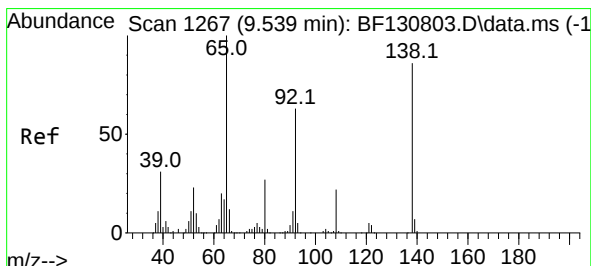
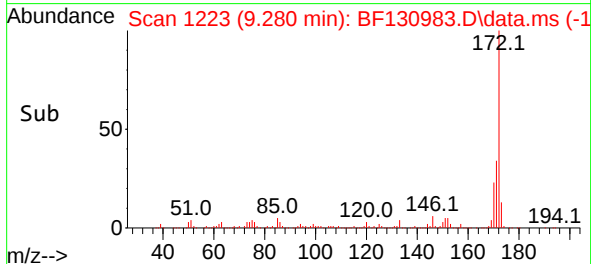
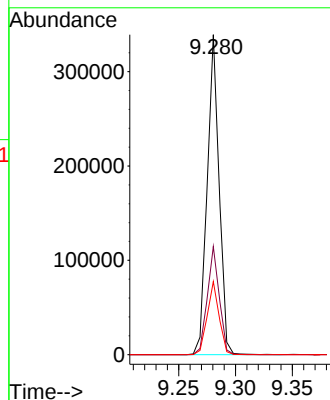
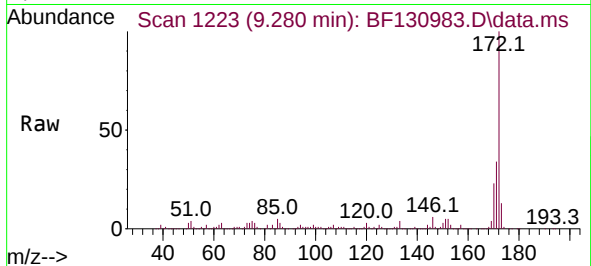




#45
2-Fluorobiphenyl
Concen: 27.097 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

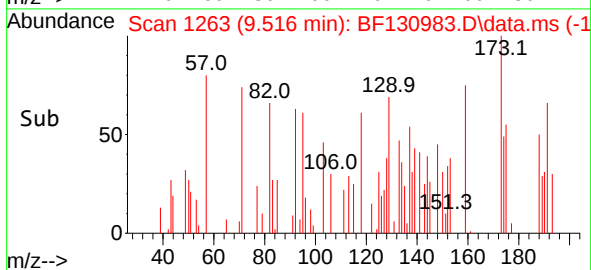
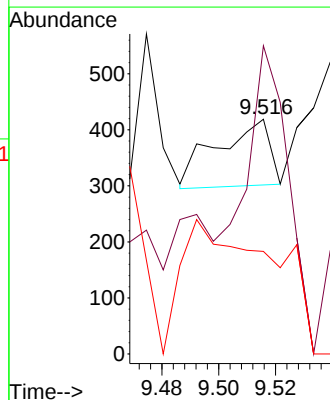
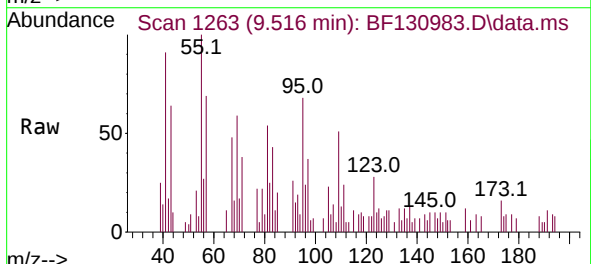
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

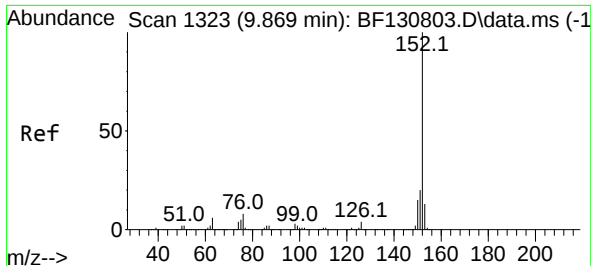
Tgt Ion:172 Resp: 246439
Ion Ratio Lower Upper
172 100
171 33.8 28.1 42.1
170 22.8 19.0 28.4



#48
2-Nitroaniline
Concen: 4.202 ng
RT: 9.516 min Scan# 1263
Delta R.T. 0.012 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion: 65 Resp: 153
Ion Ratio Lower Upper
65 100
92 131.3 50.1 75.1#
138 43.7 69.2 103.8#





#49

Acenaphthylene

Concen: 3.267 ng

RT: 9.827 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

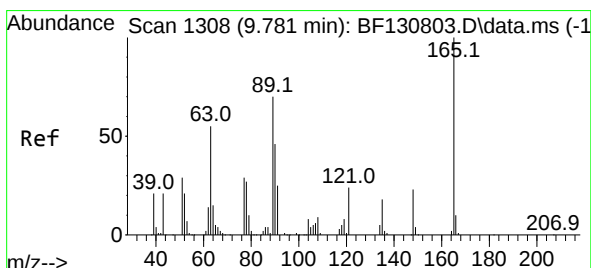
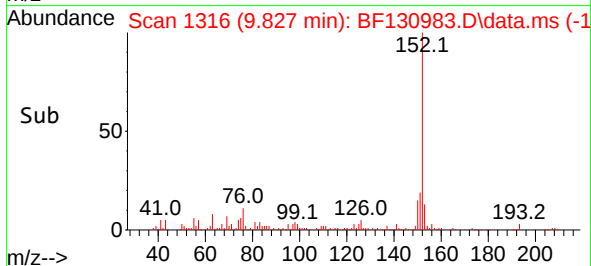
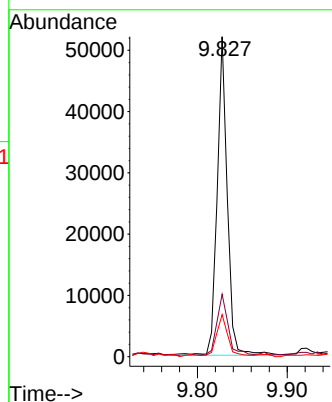
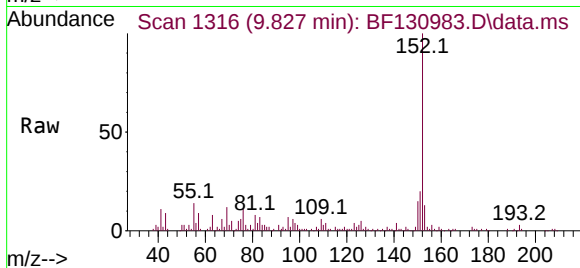
Tgt Ion:152 Resp: 40555

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.8

153 13.1 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 3.347 ng

RT: 9.610 min Scan# 1279

Delta R.T. -0.135 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

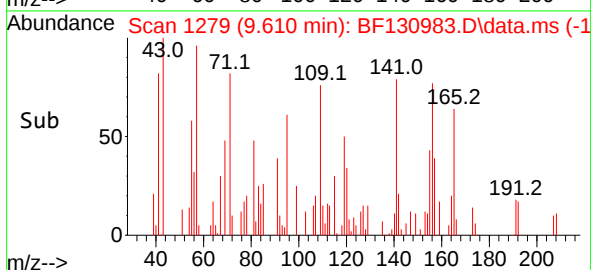
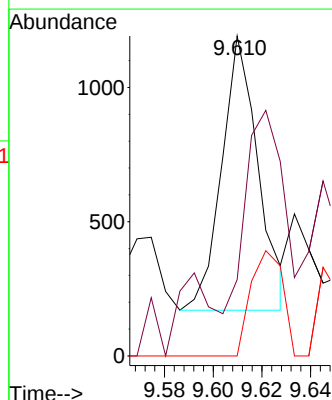
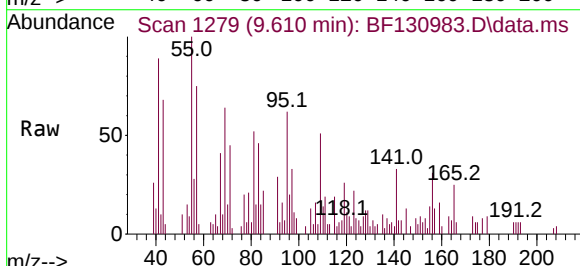
Tgt Ion:165 Resp: 1064

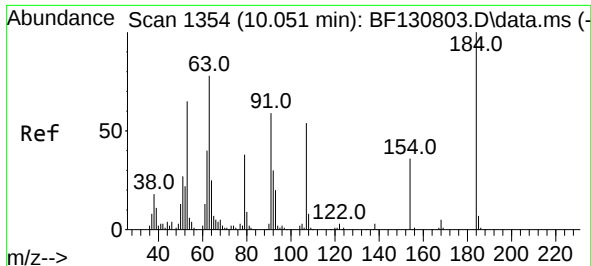
Ion Ratio Lower Upper

165 100

63 23.8 61.8 92.8#

89 0.0 56.2 84.4#

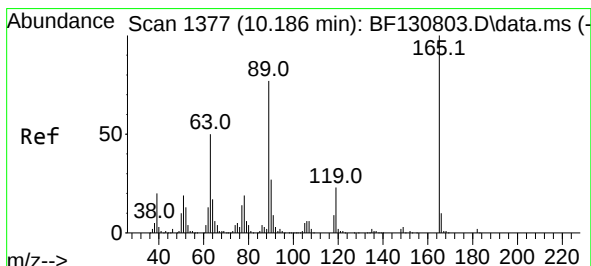
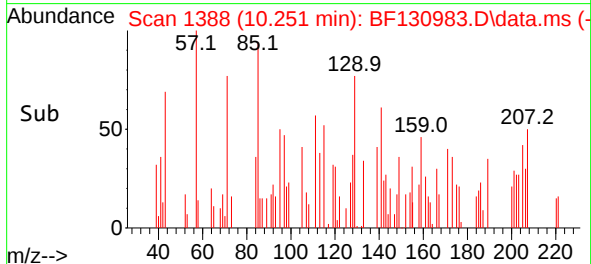
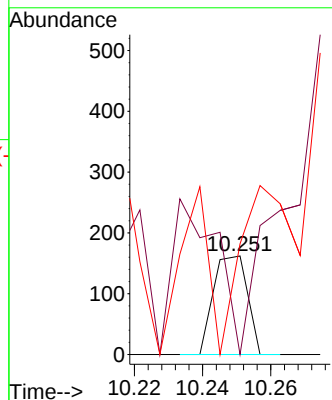
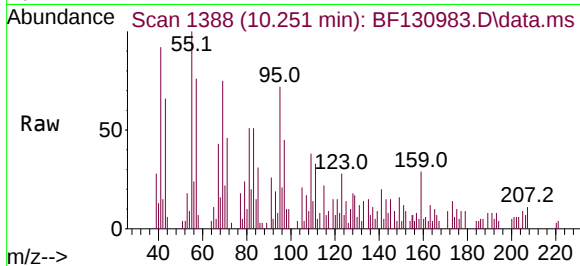




#54
2,4-Dinitrophenol
Concen: 4.349 ng
RT: 10.251 min Scan# 1388
Delta R.T. 0.229 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

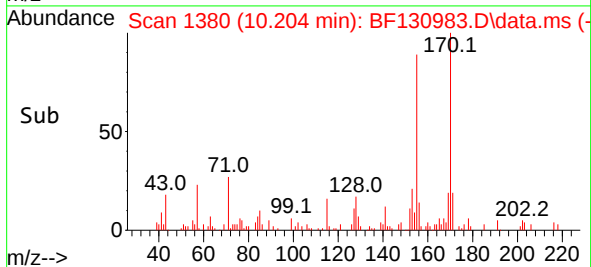
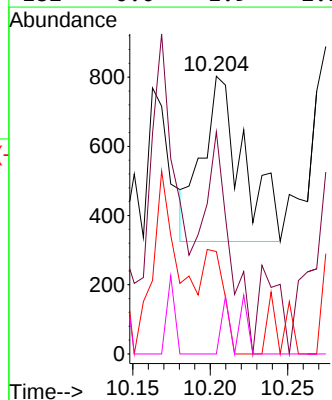
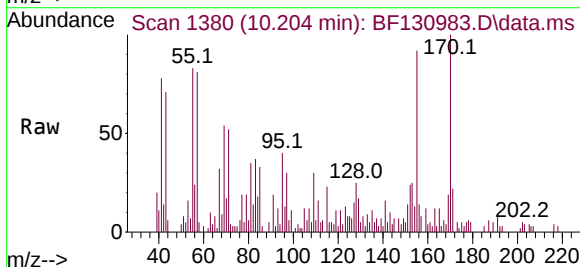
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

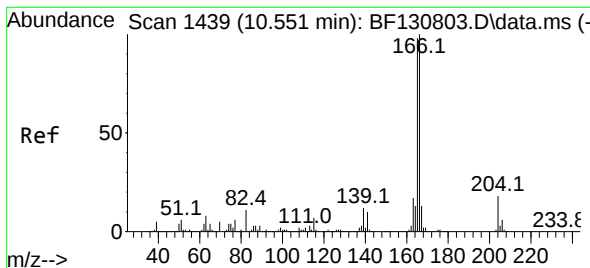
Tgt Ion:184 Resp: 112
Ion Ratio Lower Upper
184 100
63 0.0 66.7 100.1#
154 112.3 62.2 93.2#



#57
2,4-Dinitrotoluene
Concen: 4.066 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.053 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:165 Resp: 879
Ion Ratio Lower Upper
165 100
63 80.0 39.8 59.6#
89 36.9 61.9 92.9#
182 0.0 1.9 2.9#

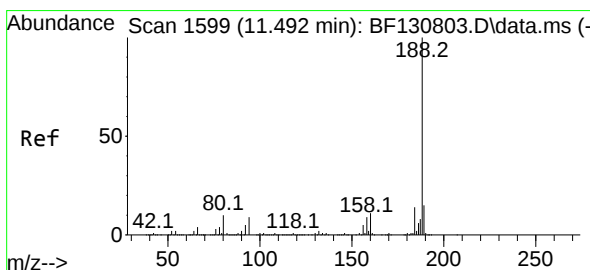
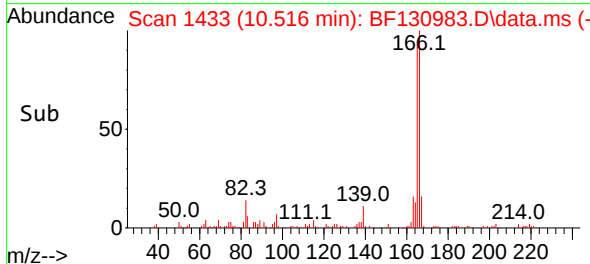
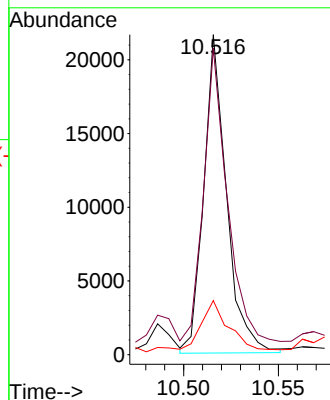
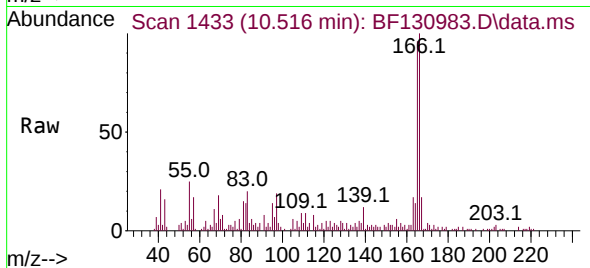




#58
Fluorene
Concen: 2.056 ng
RT: 10.516 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

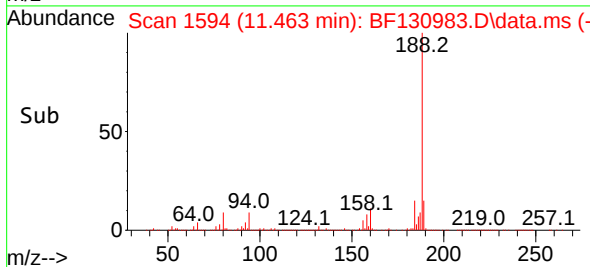
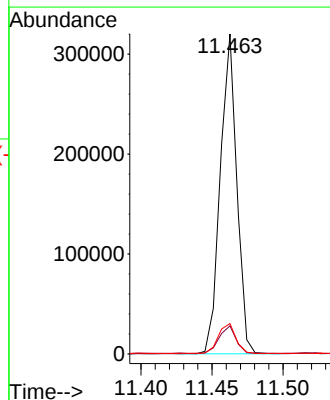
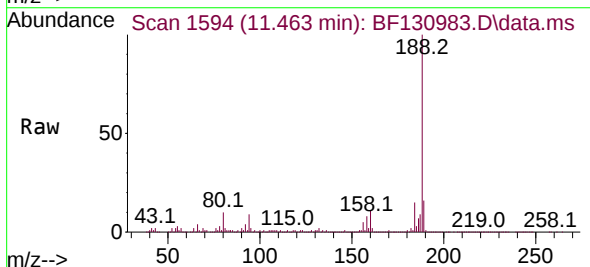
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

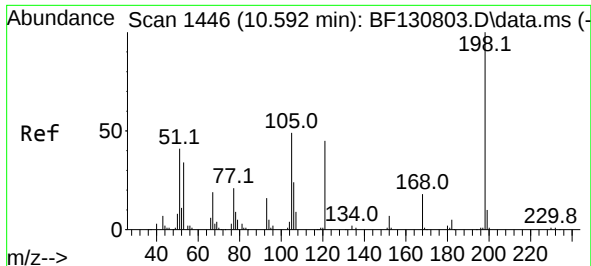
Tgt Ion:166 Resp: 18009
Ion Ratio Lower Upper
166 100
165 95.8 78.1 117.1
167 16.9 10.4 15.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:188 Resp: 258527
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.5 8.0 12.0

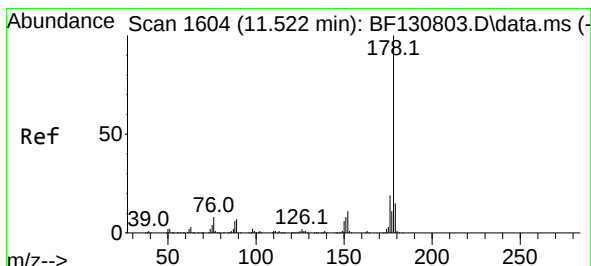
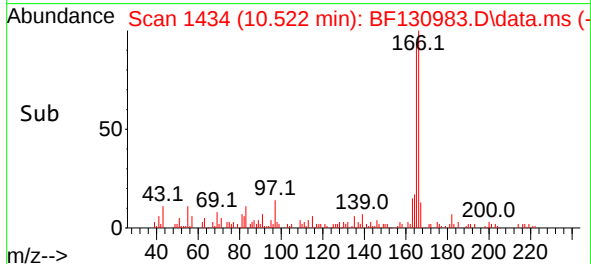
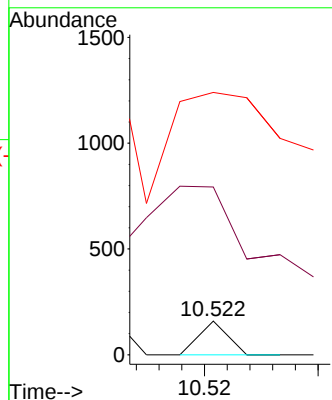
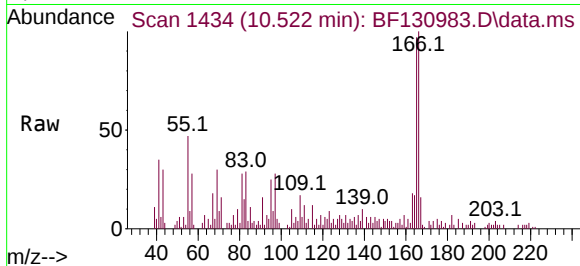




#65
4,6-Dinitro-2-methylphenol
Concen: 7.972 ng
RT: 10.522 min Scan# 1446
Delta R.T. -0.041 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

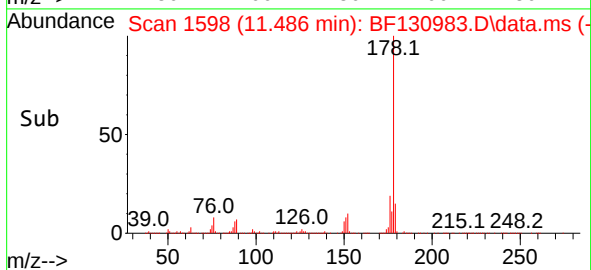
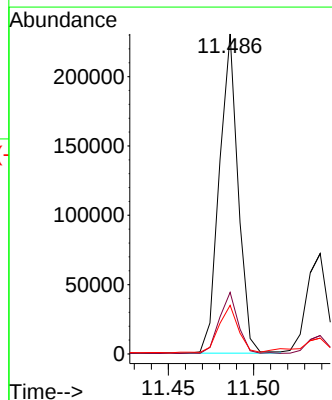
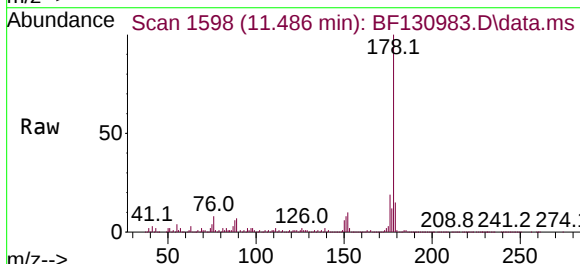
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

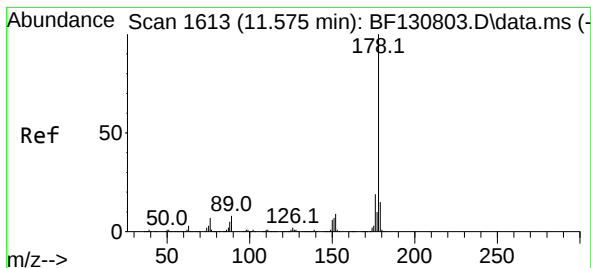
Tgt Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
51 498.7 39.0 79.0#
105 779.9 30.6 70.6#



#71
Phenanthrene
Concen: 13.232 ng
RT: 11.486 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:178 Resp: 176559
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 12.2 18.2





#72

Anthracene

Concen: 4.451 ng

RT: 11.539 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

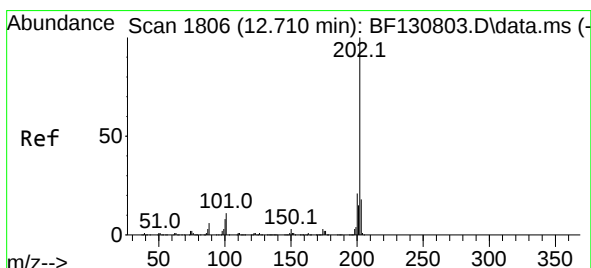
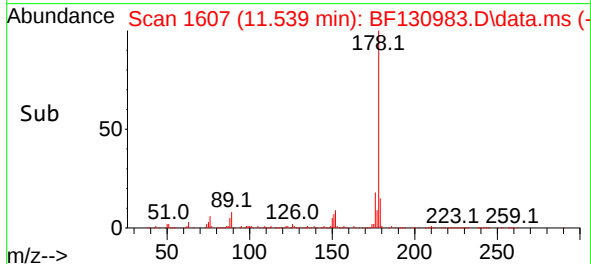
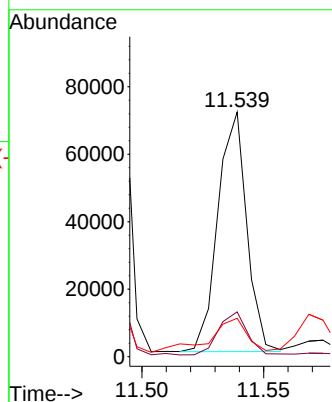
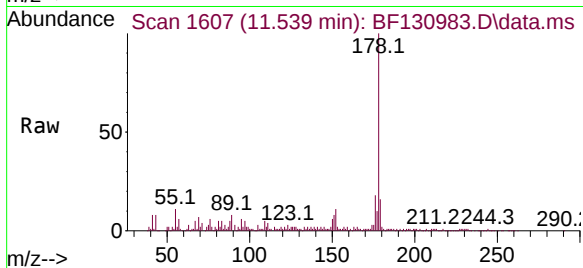
Tgt Ion:178 Resp: 58579

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.7 12.2 18.4



#75

Fluoranthene

Concen: 30.255 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.006 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

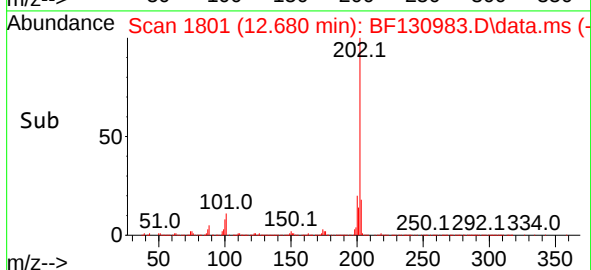
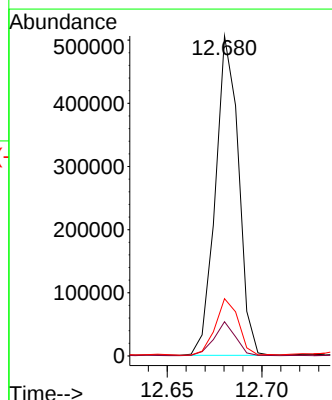
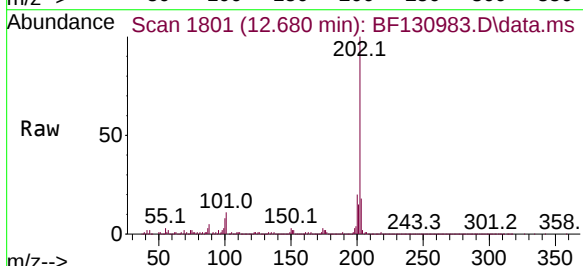
Tgt Ion:202 Resp: 428928

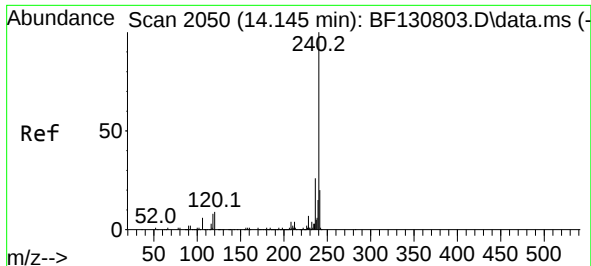
Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.9

203 17.9 0.0 37.7

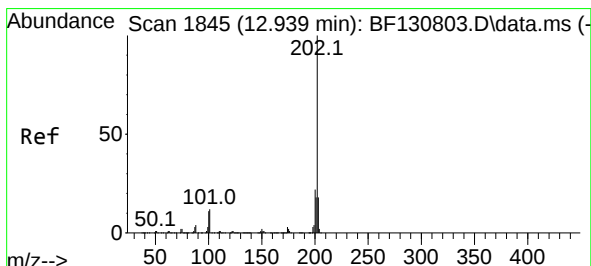
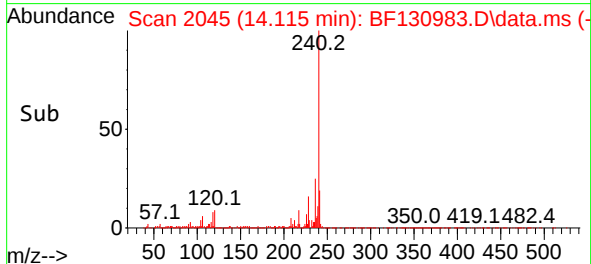
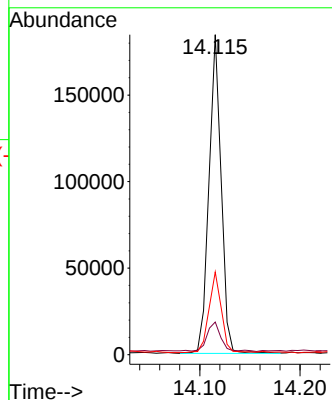
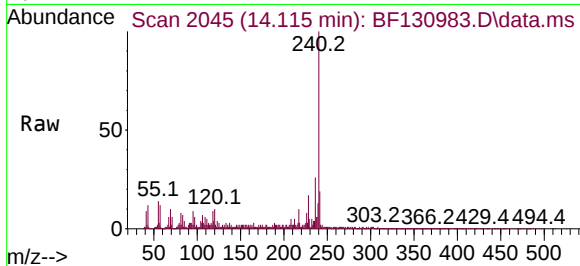




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2050
Delta R.T. 0.012 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

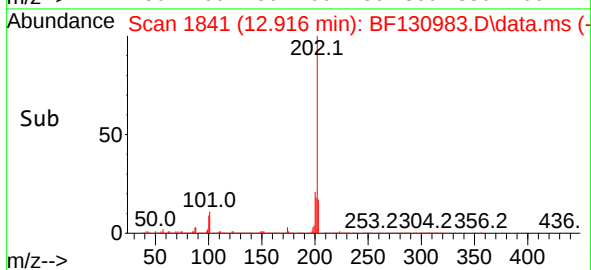
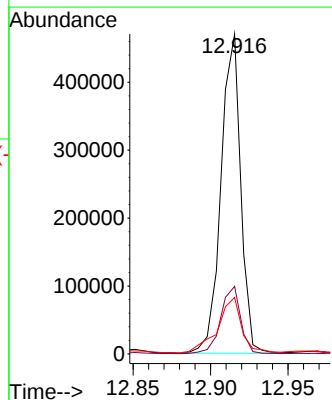
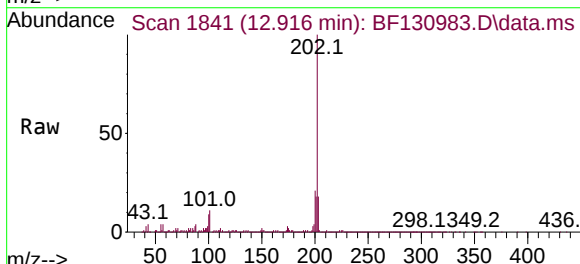
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

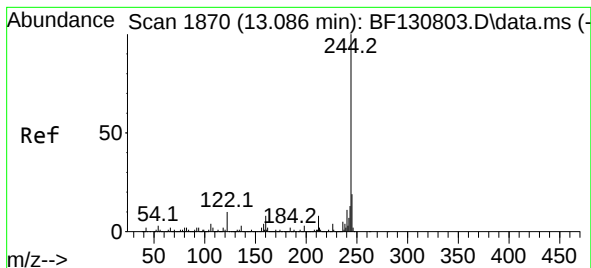
Tgt Ion:240 Resp: 156527
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.4
236 25.8 20.5 30.7



#78
Pyrene
Concen: 31.417 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.012 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:202 Resp: 414891
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.6 14.5 21.7





#79

Terphenyl-d14

Concen: 31.601 ng

RT: 13.051 min Scan# 1864

Delta R.T. 0.006 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

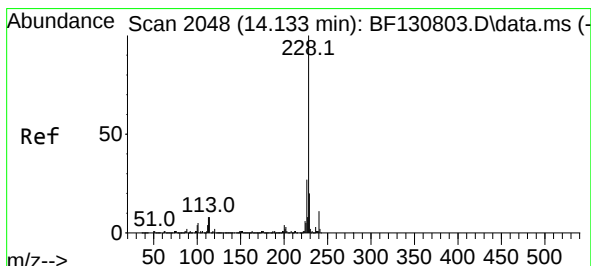
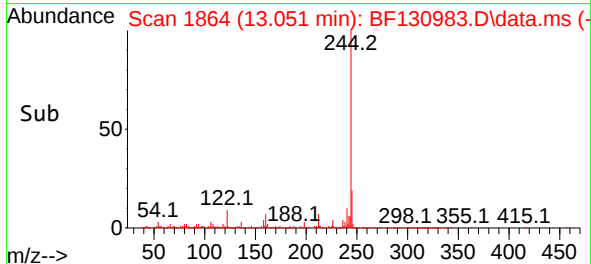
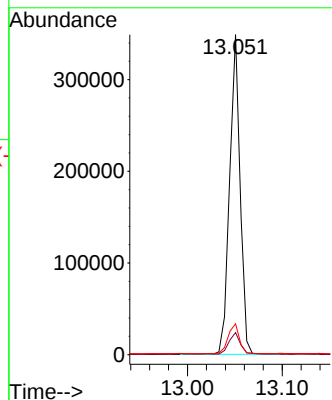
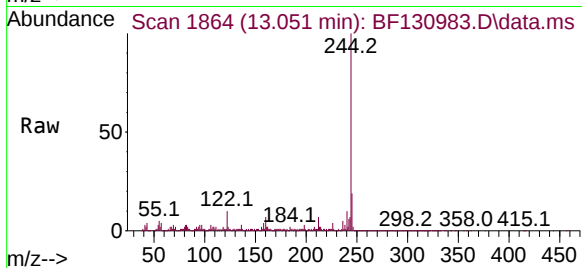
Tgt Ion:244 Resp: 269937

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

122 9.6 7.9 11.9



#81

Benzo(a)anthracene

Concen: 13.436 ng

RT: 14.139 min Scan# 2049

Delta R.T. 0.041 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

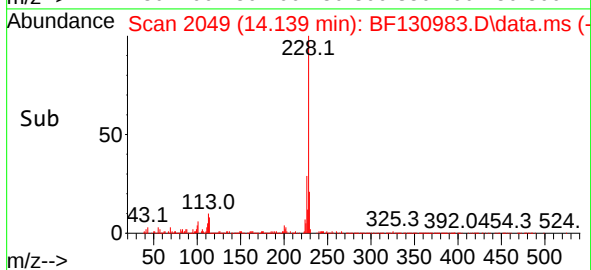
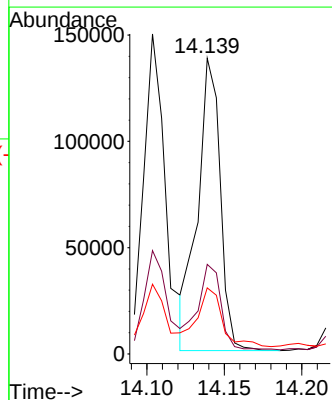
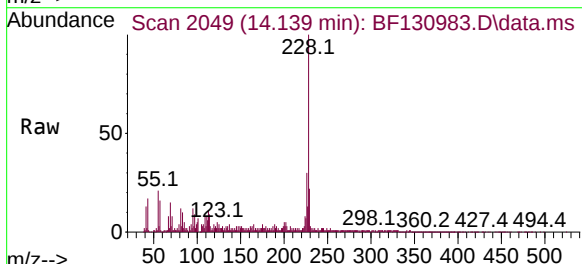
Tgt Ion:228 Resp: 139432

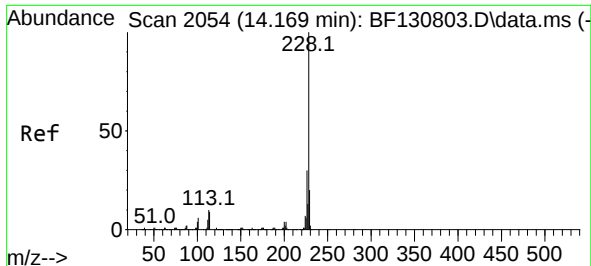
Ion Ratio Lower Upper

228 100

226 30.3 21.4 32.2

229 22.3 15.8 23.6

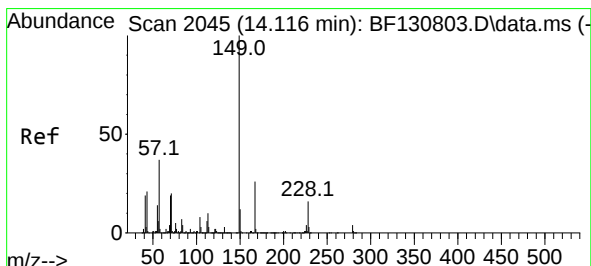
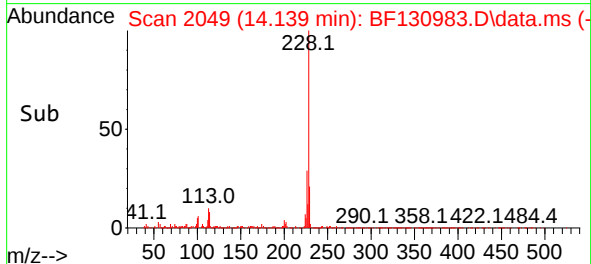
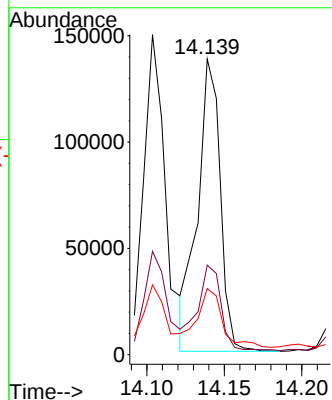
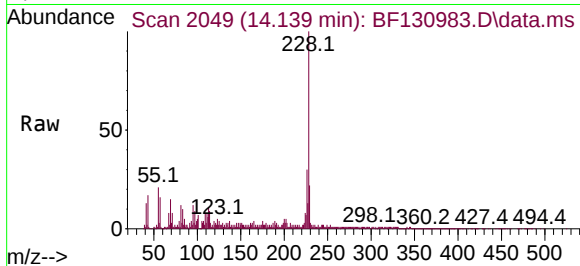




#83
Chrysene
Concen: 13.929 ng
RT: 14.139 min Scan# 2054
Delta R.T. 0.006 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

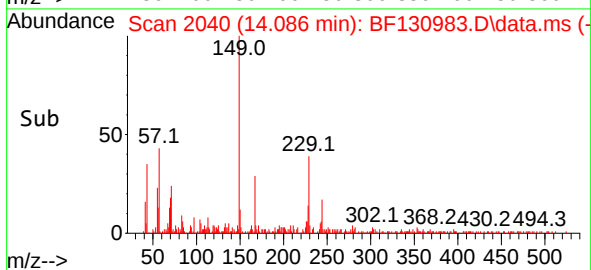
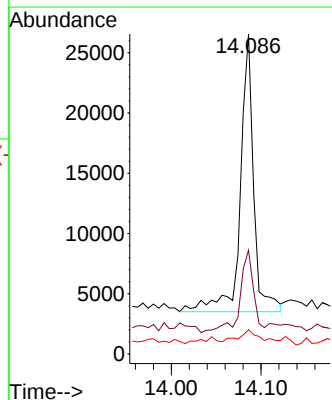
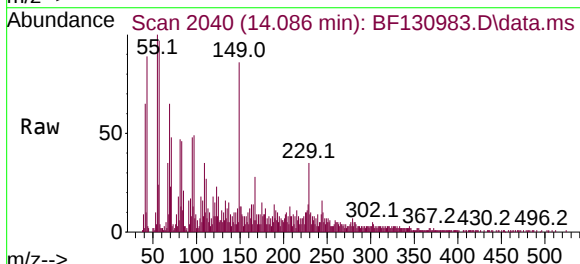
Instrument :
BNA_F
ClientSampleId :
CL-01-110222

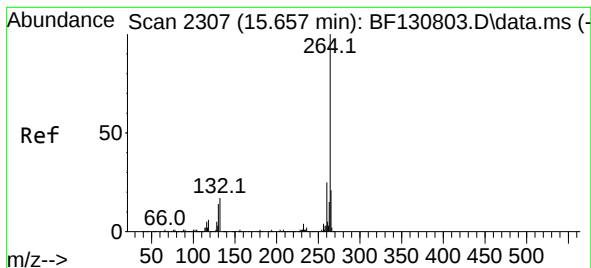
Tgt Ion:228 Resp: 139432
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 22.3 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.191 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.012 min
Lab File: BF130983.D
Acq: 04 Nov 2022 03:41

Tgt Ion:149 Resp: 23944
Ion Ratio Lower Upper
149 100
167 32.4 21.0 31.4#
279 7.6 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

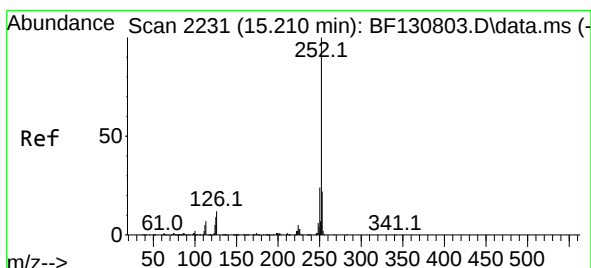
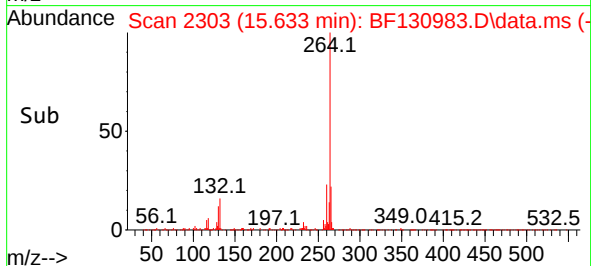
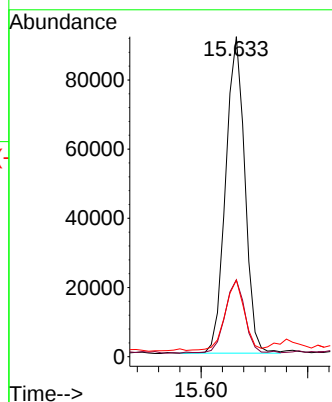
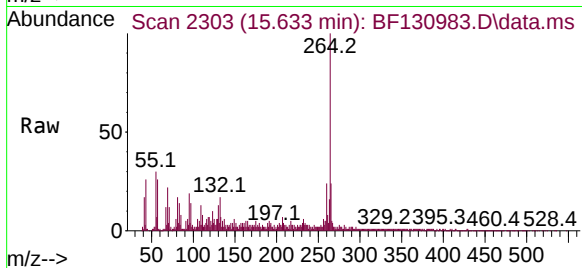
Tgt Ion:264 Resp: 114030

Ion Ratio Lower Upper

264 100

260 24.0 19.9 29.9

265 24.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 28.922 ng

RT: 15.180 min Scan# 2226

Delta R.T. 0.018 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

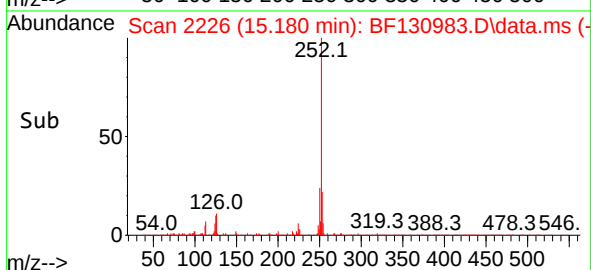
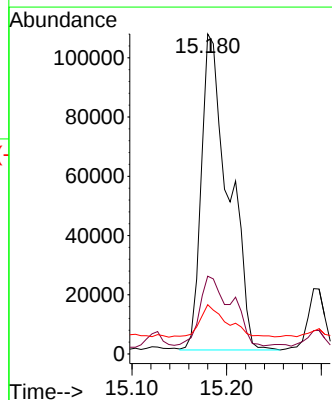
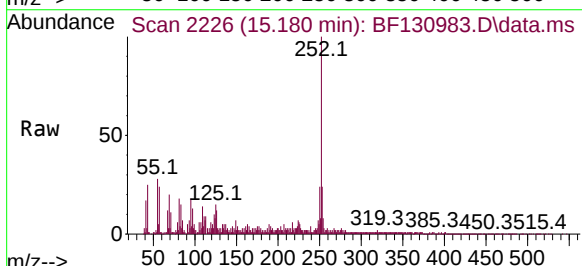
Tgt Ion:252 Resp: 213188

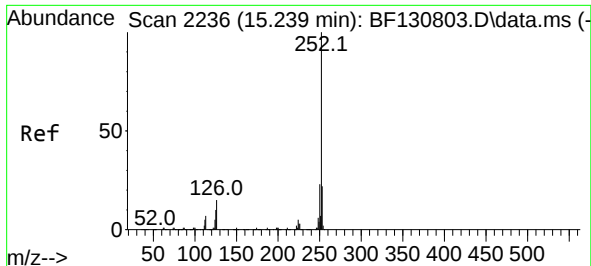
Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 15.4 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 29.681 ng

RT: 15.180 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

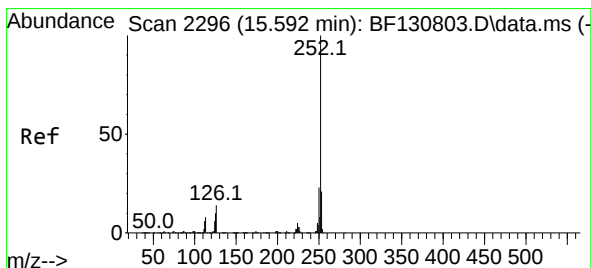
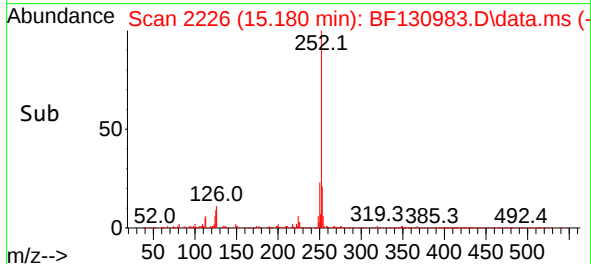
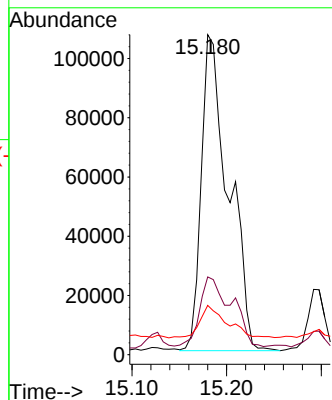
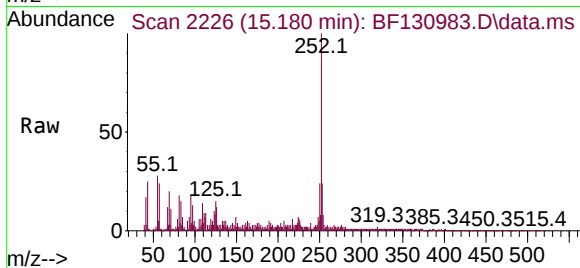
Tgt Ion:252 Resp: 213188

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 15.4 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 19.193 ng

RT: 15.562 min Scan# 2291

Delta R.T. 0.017 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

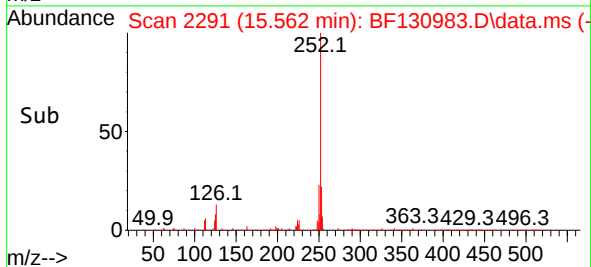
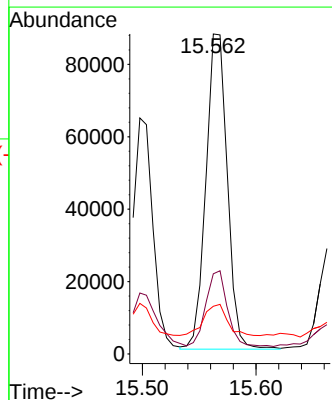
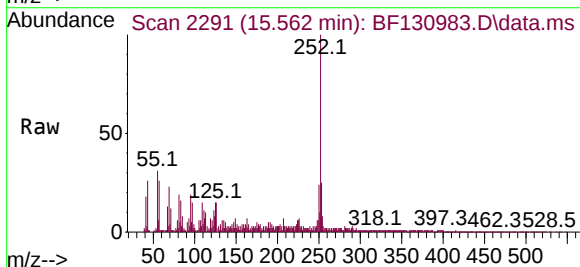
Tgt Ion:252 Resp: 113730

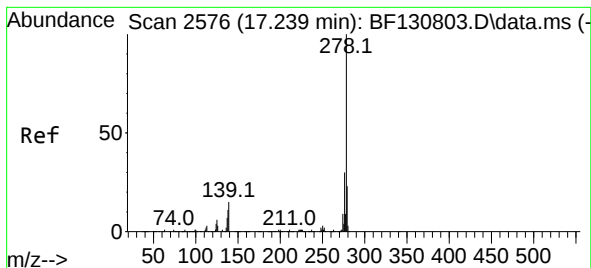
Ion Ratio Lower Upper

252 100

253 25.0 16.8 25.2

125 14.9 8.3 12.5#





#91

Dibenzo(a,h)anthracene

Concen: 2.809 ng

RT: 17.186 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

CL-01-110222

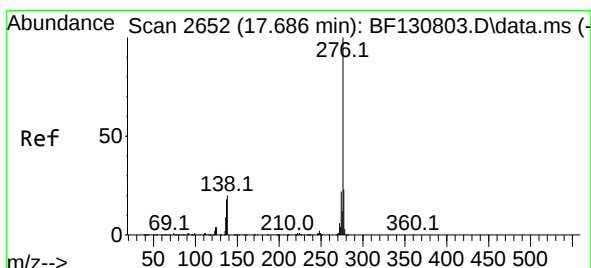
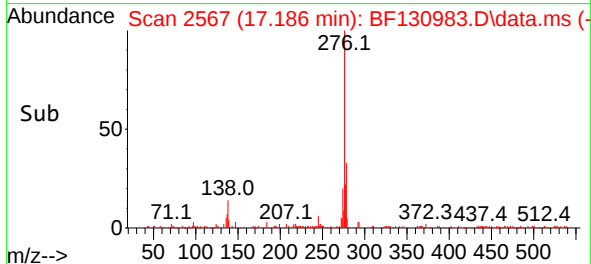
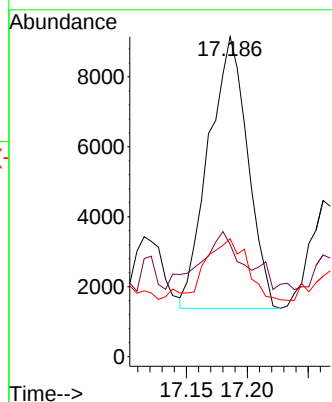
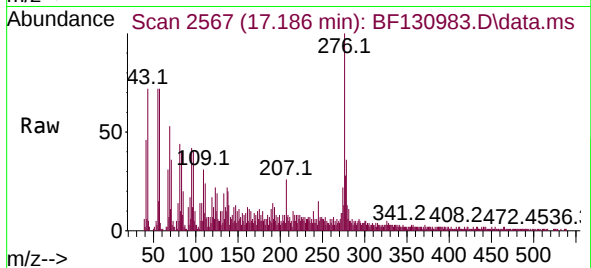
Tgt Ion:278 Resp: 17339

Ion Ratio Lower Upper

278 100

139 35.1 11.9 17.9#

279 36.8 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 11.926 ng

RT: 17.645 min Scan# 2645

Delta R.T. 0.035 min

Lab File: BF130983.D

Acq: 04 Nov 2022 03:41

Tgt Ion:276 Resp: 75107

Ion Ratio Lower Upper

276 100

277 28.7 18.8 28.2#

138 20.1 16.3 24.5

