

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130980.D
 Acq On : 04 Nov 2022 02:10
 Operator : CG\JU
 Sample : N5418-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-M

Quant Time: Nov 04 06:26:15 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)

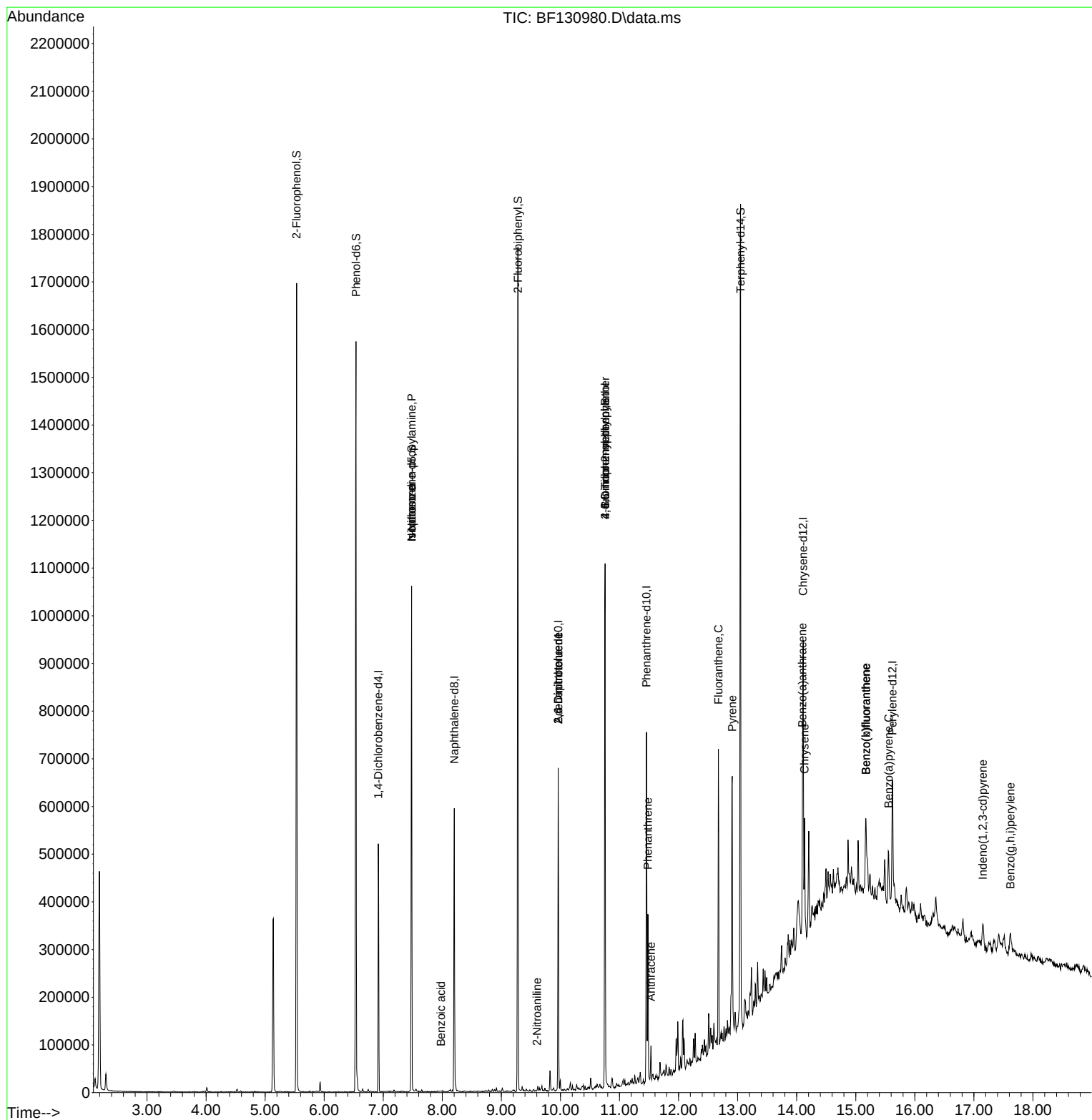
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	69182	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	235216	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	122917	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	240266	20.000	ng	0.00
76) Chrysene-d12	14.110	240	181101	20.000	ng	0.00
86) Perylene-d12	15.621	264	120374	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	404992	101.486	ng	0.00
7) Phenol-d6	6.539	99	472062	91.029	ng	0.00
23) Nitrobenzene-d5	7.481	82	291076	74.619	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	125051	120.856	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	497314	61.170	ng	0.00
79) Terphenyl-d14	13.051	244	612488	61.974	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	40053	11.352	ng	# 75
25) Isophorone	7.481	82	291072	36.185	ng	# 66
32) Benzoic acid	7.975	122	56	7.700	ng	# 35
48) 2-Nitroaniline	9.604	65	83	4.181	ng	# 12
51) 2,6-Dinitrotoluene	9.963	165	15621	11.956	ng	# 14
57) 2,4-Dinitrotoluene	9.963	165	15621	10.855	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.757	198	304	8.181	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	8100	3.352	ng	# 1
71) Phenanthrene	11.480	178	112331	9.058	ng	98
72) Anthracene	11.533	178	25638	2.096	ng	99
75) Fluoranthene	12.674	202	224994	17.076	ng	99
78) Pyrene	12.910	202	224592	14.699	ng	99
81) Benzo(a)anthracene	14.098	228	95297	7.937	ng	95
83) Chrysene	14.133	228	94443	8.154	ng	97
87) Indeno(1,2,3-cd)pyrene	17.151	276	34232	4.282	ng	97
88) Benzo(b)fluoranthene	15.174	252	109522	14.075	ng	# 94
89) Benzo(k)fluoranthene	15.174	252	109522	14.444	ng	# 95
90) Benzo(a)pyrene	15.557	252	54378	8.693	ng	# 97
92) Benzo(g,h,i)perylene	17.621	276	33936	5.105	ng	# 90

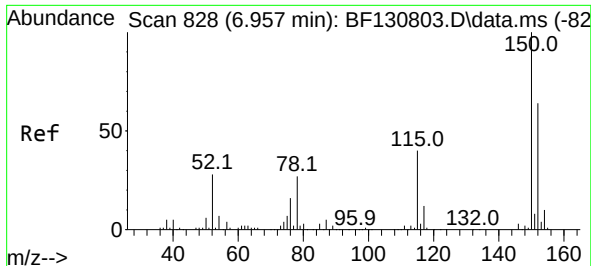
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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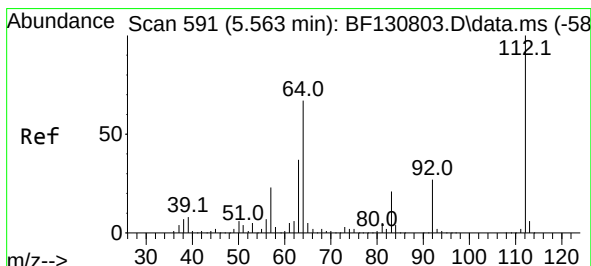
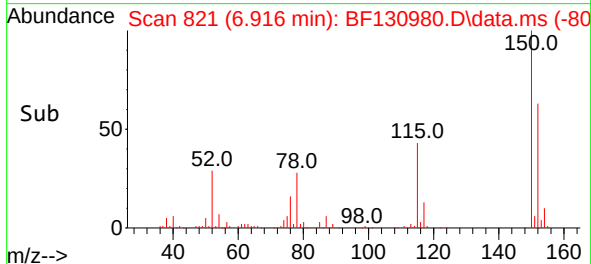
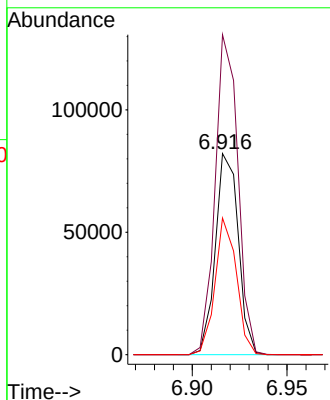
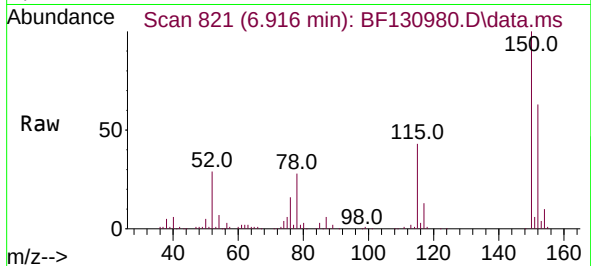




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.916 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

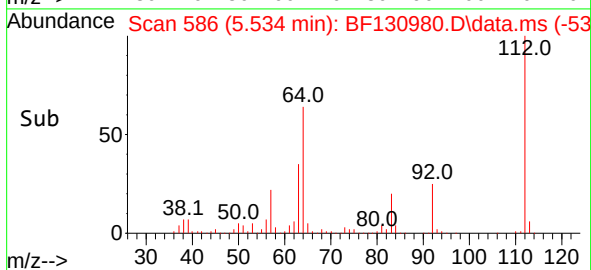
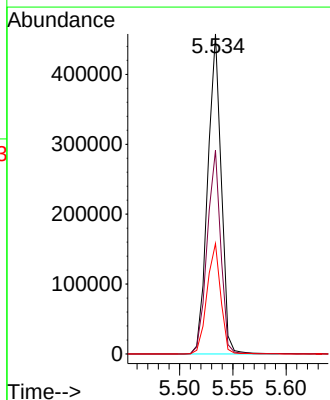
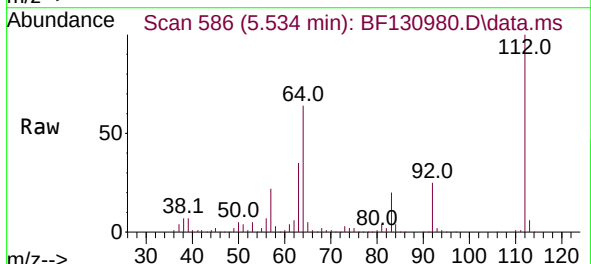
Instrument :
 BNA_F
 ClientSampleId :
 TP-M

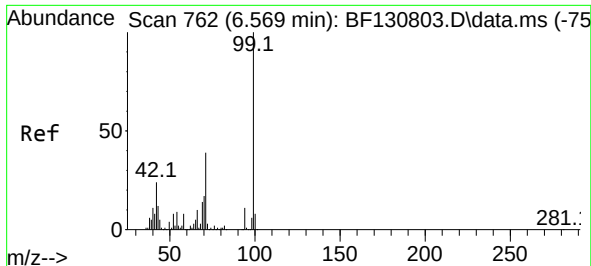
Tgt Ion:152 Resp: 69182
 Ion Ratio Lower Upper
 152 100
 150 159.1 124.1 186.1
 115 68.0 50.1 75.1



#5
 2-Fluorophenol
 Concen: 101.486 ng
 RT: 5.534 min Scan# 586
 Delta R.T. 0.006 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

Tgt Ion:112 Resp: 404992
 Ion Ratio Lower Upper
 112 100
 64 63.7 53.9 80.9
 63 34.5 29.4 44.2

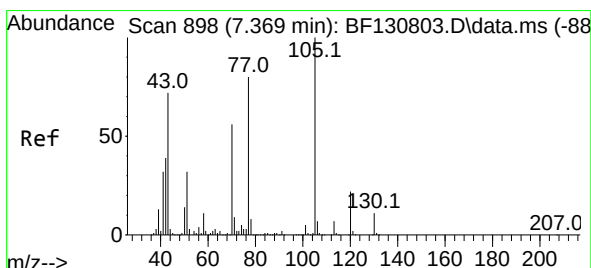
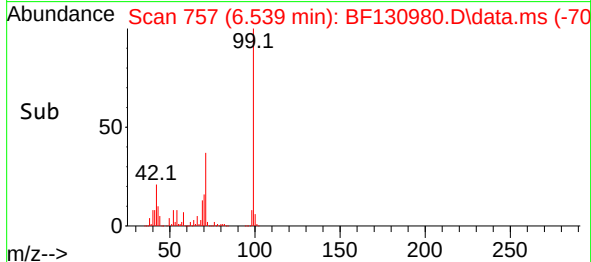
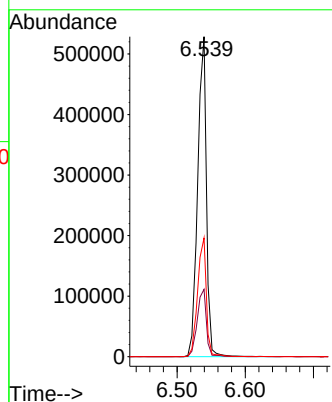
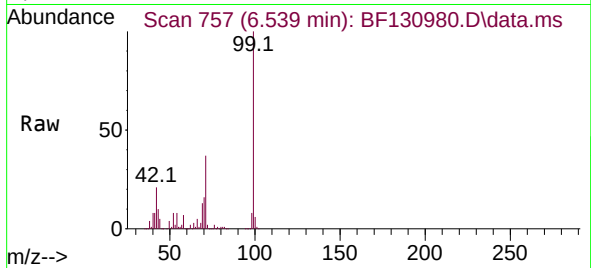




#7
Phenol-d6
Concen: 91.029 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

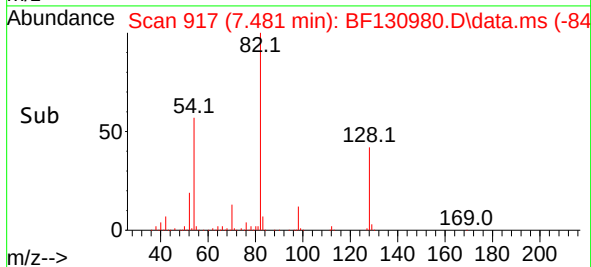
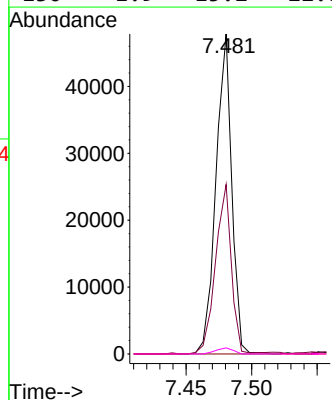
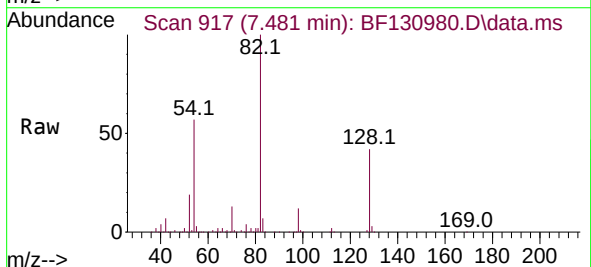
Instrument :
BNA_F
ClientSampleId :
TP-M

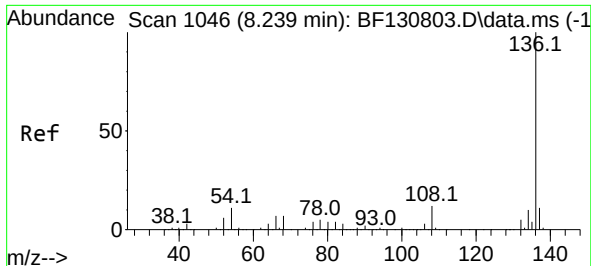
Tgt Ion: 99 Resp: 472062
Ion Ratio Lower Upper
99 100
42 21.0 18.8 28.2
71 37.1 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.352 ng
RT: 7.481 min Scan# 917
Delta R.T. 0.153 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Tgt Ion: 70 Resp: 40053
Ion Ratio Lower Upper
70 100
42 52.9 56.1 84.1#
101 0.0 7.3 10.9#
130 1.9 15.2 22.8#

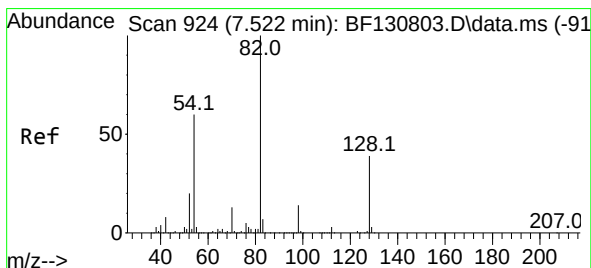
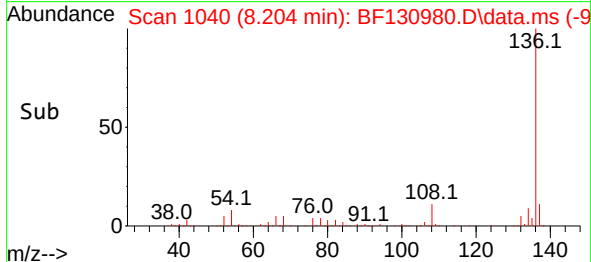
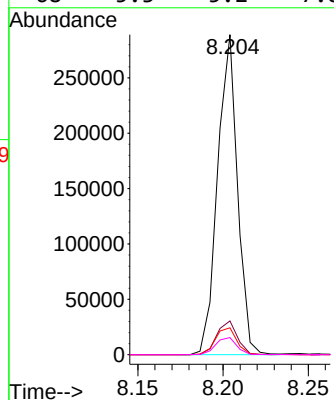
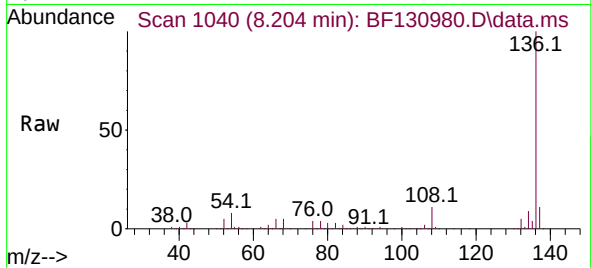




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

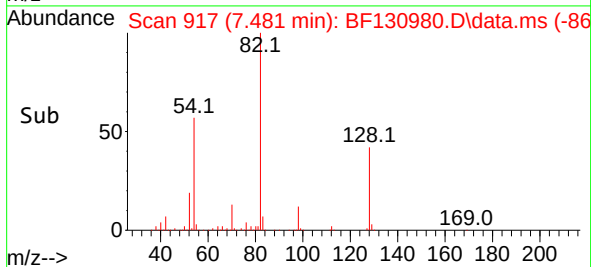
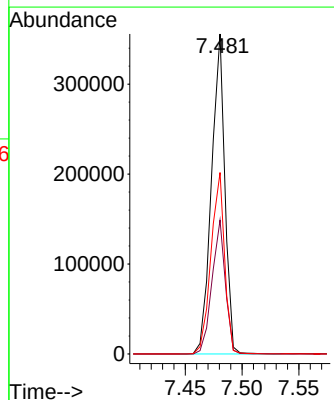
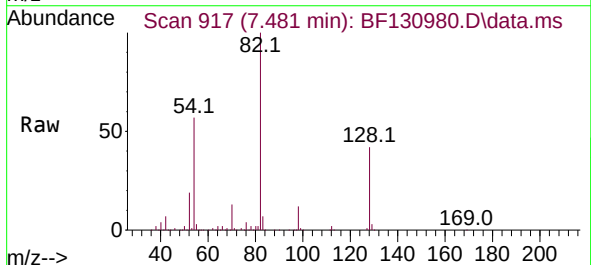
Instrument :
BNA_F
ClientSampleId :
TP-M

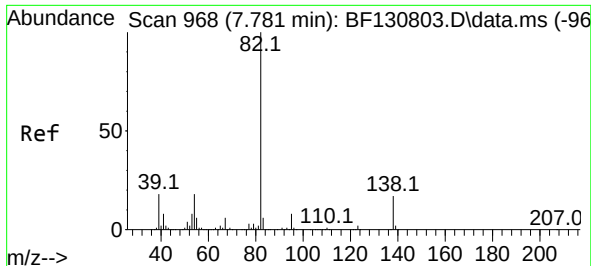
Tgt Ion:	136	Resp:	235216
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.2	13.8
54	8.4	8.8	13.2#
68	5.3	5.2	7.8



#23
Nitrobenzene-d5
Concen: 74.619 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Tgt Ion:	82	Resp:	291076
Ion Ratio	Lower	Upper	
82	100		
128	41.9	31.2	46.8
54	56.7	48.0	72.0

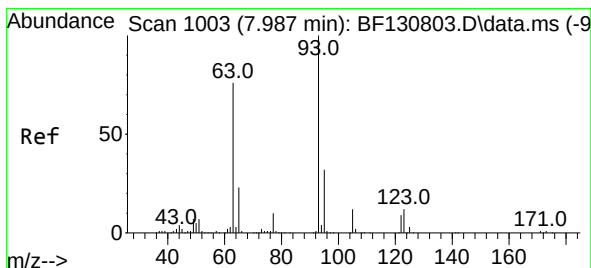
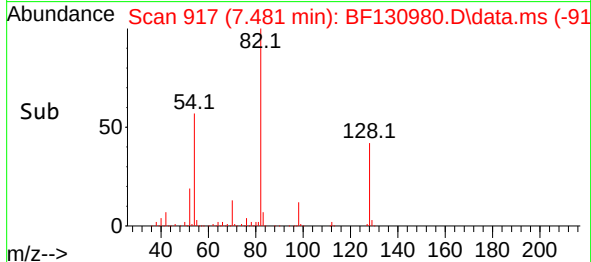
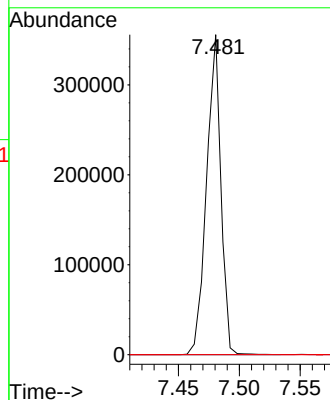
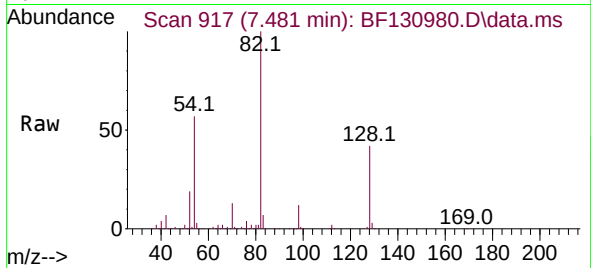




#25
Isophorone
Concen: 36.185 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

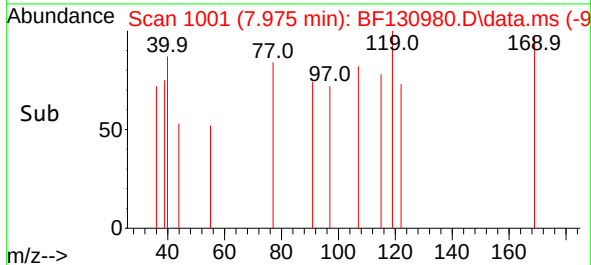
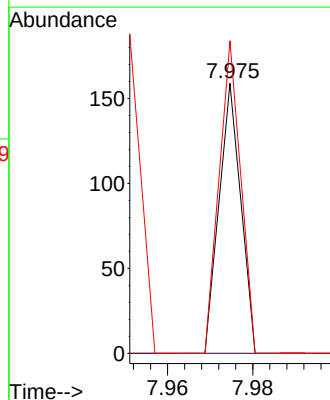
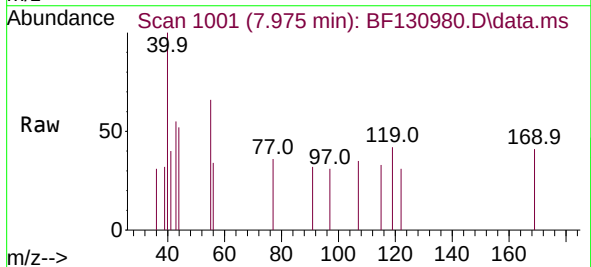
Instrument :
BNA_F
ClientSampleId :
TP-M

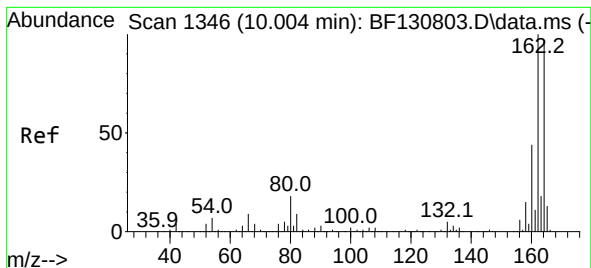
Tgt Ion: 82 Resp: 291072
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.700 ng
RT: 7.975 min Scan# 1001
Delta R.T. 0.012 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 115.7 89.8 129.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

Instrument :

BNA_F

ClientSampleId :

TP-M

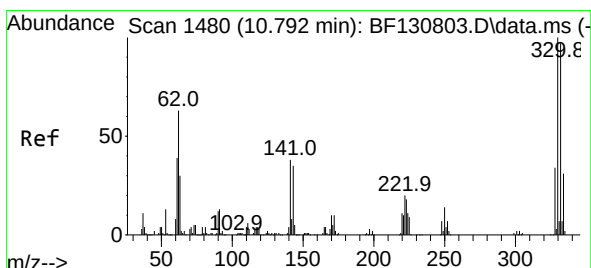
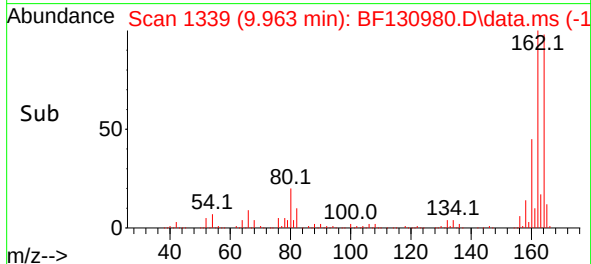
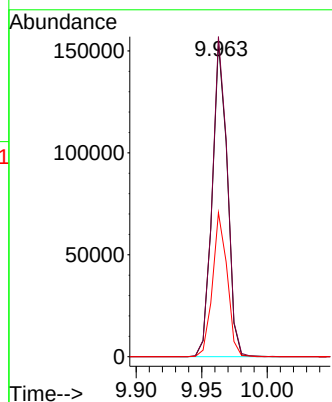
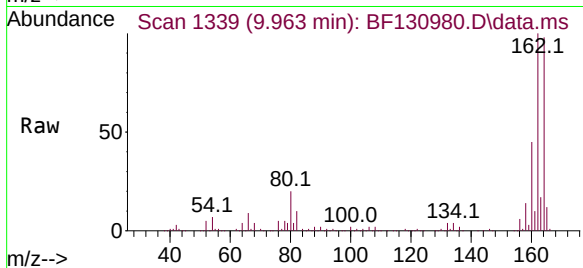
Tgt Ion:164 Resp: 122917

Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.2

160 45.8 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 120.856 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.000 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

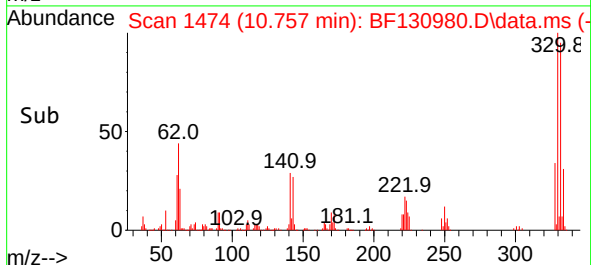
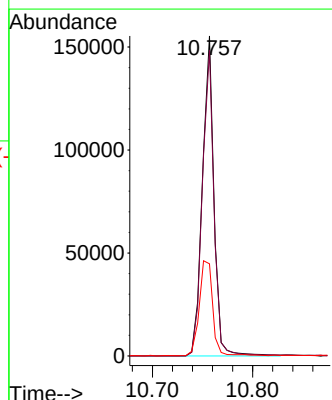
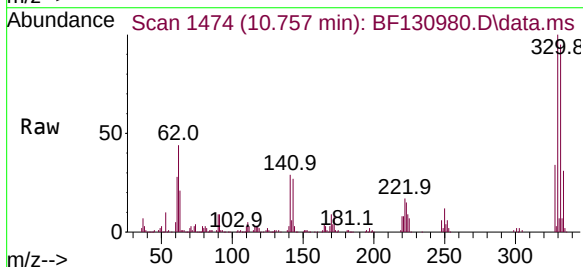
Tgt Ion:330 Resp: 125051

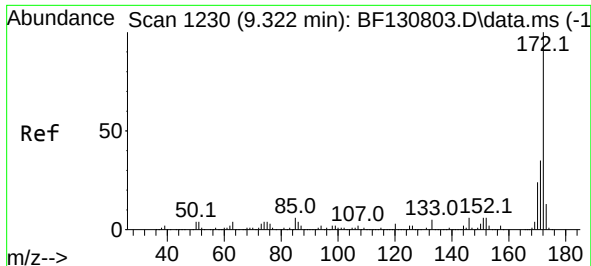
Ion Ratio Lower Upper

330 100

332 96.7 76.2 114.4

141 34.3 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 61.170 ng

RT: 9.280 min Scan# 1223

Delta R.T. -0.000 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

Instrument :

BNA_F

ClientSampleId :

TP-M

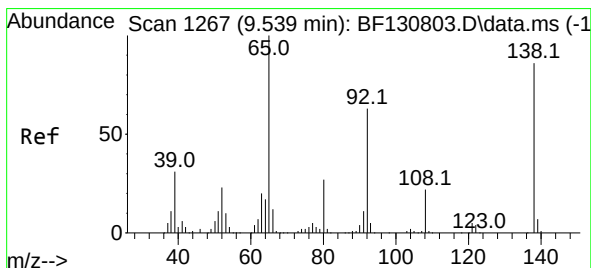
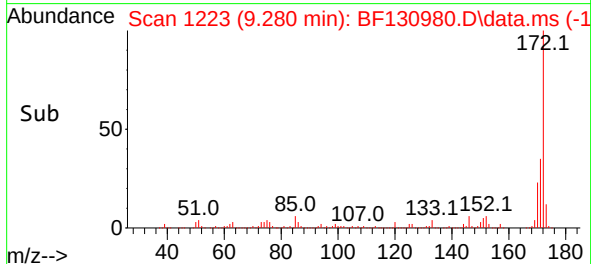
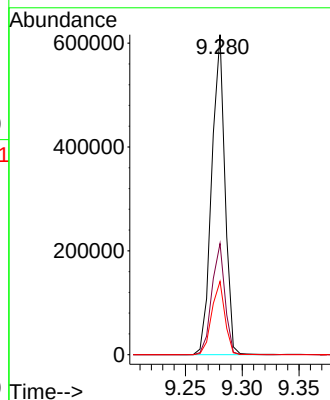
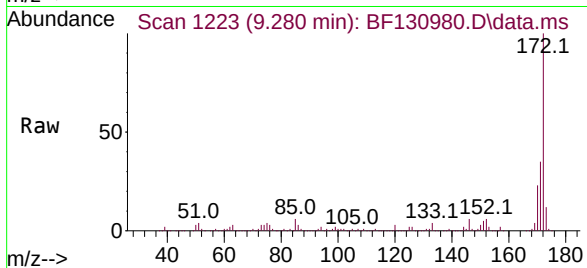
Tgt Ion:172 Resp: 497314

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 22.9 19.0 28.4



#48

2-Nitroaniline

Concen: 4.181 ng

RT: 9.604 min Scan# 1278

Delta R.T. 0.100 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

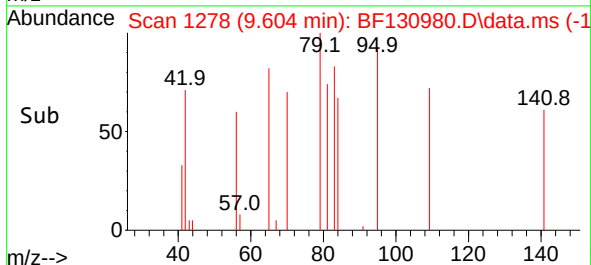
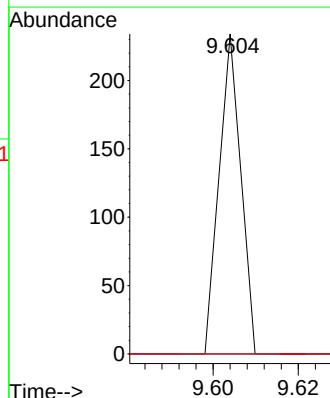
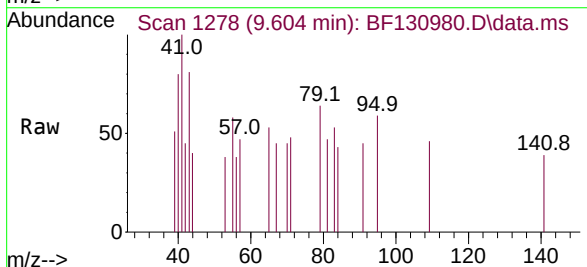
Tgt Ion: 65 Resp: 83

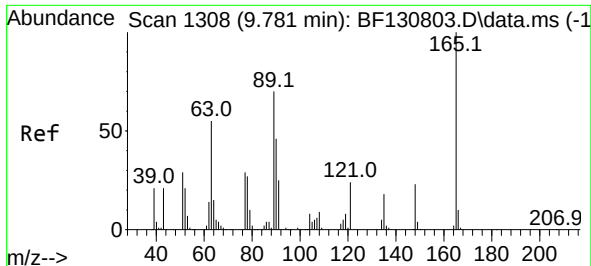
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

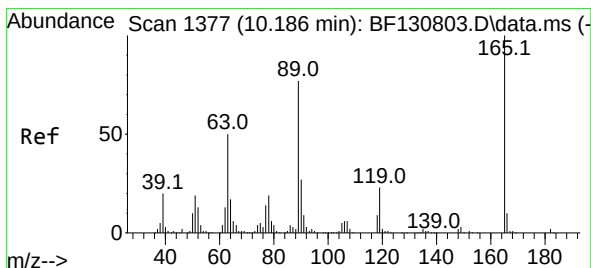
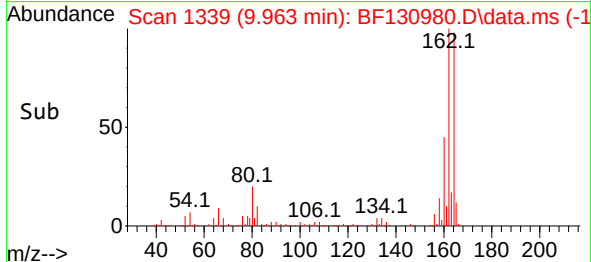
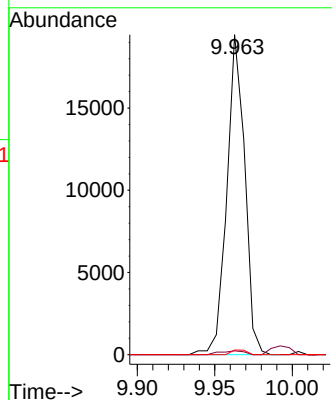
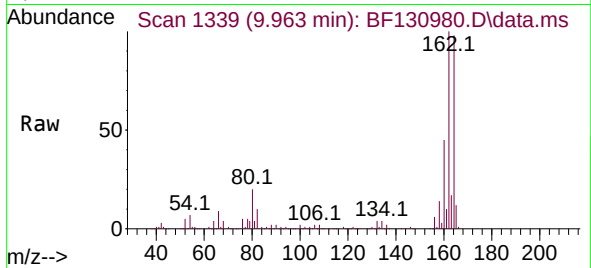




#51
2,6-Dinitrotoluene
Concen: 11.956 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

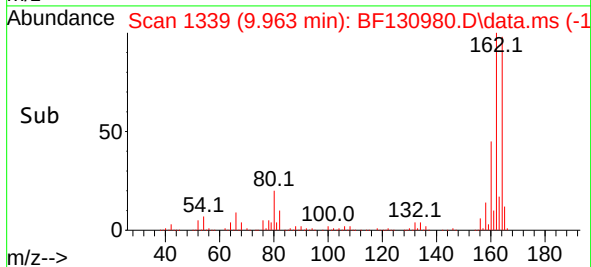
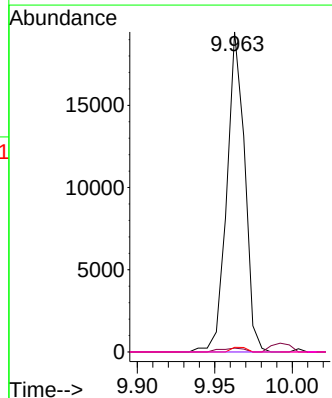
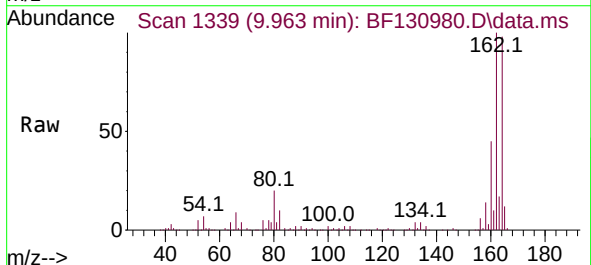
Instrument :
BNA_F
ClientSampleId :
TP-M

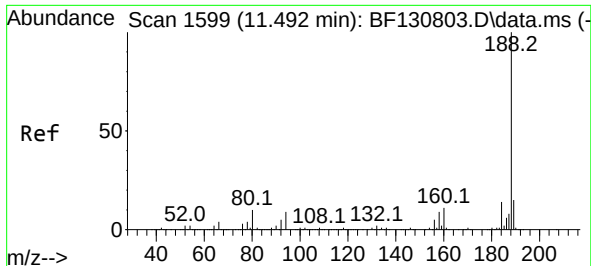
Tgt Ion:165 Resp: 15621
Ion Ratio Lower Upper
165 100
63 1.2 61.8 92.8#
89 1.5 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 10.855 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.188 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Tgt Ion:165 Resp: 15621
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.5 61.9 92.9#
182 0.0 1.9 2.9#

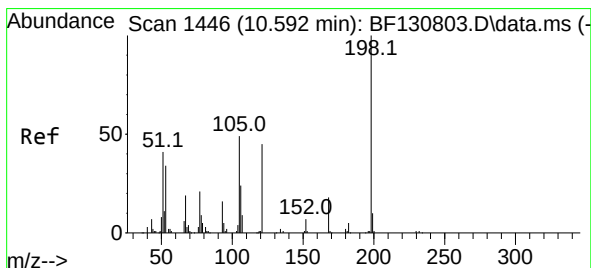
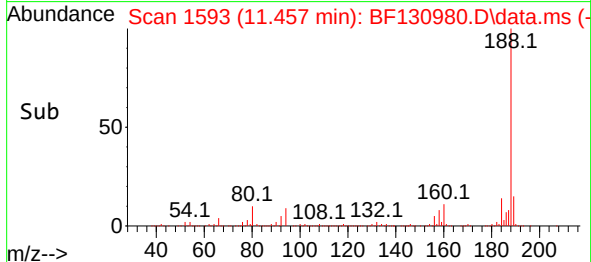
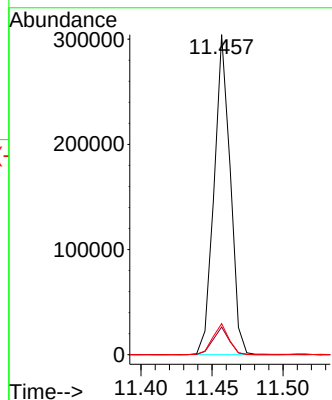
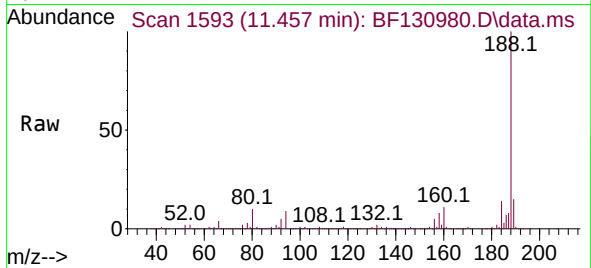




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

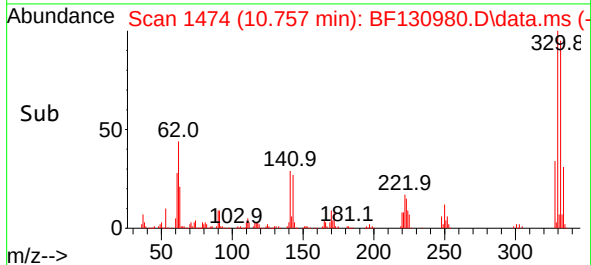
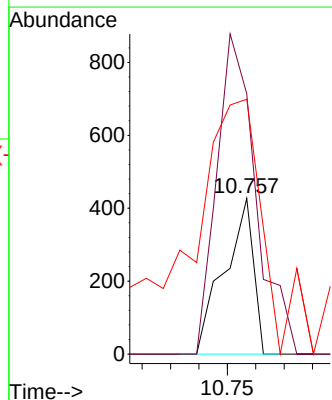
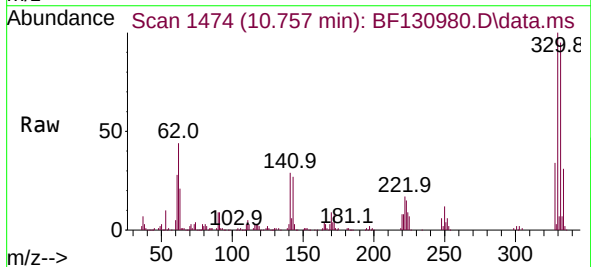
Instrument :
BNA_F
ClientSampleId :
TP-M

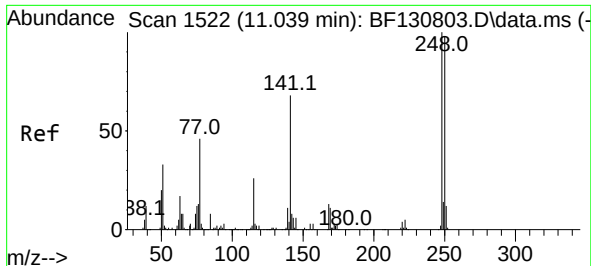
Tgt Ion:188 Resp: 240266
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.2
80 9.7 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.181 ng
RT: 10.757 min Scan# 1474
Delta R.T. 0.194 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Tgt Ion:198 Resp: 304
Ion Ratio Lower Upper
198 100
51 167.2 39.0 79.0#
105 163.7 30.6 70.6#

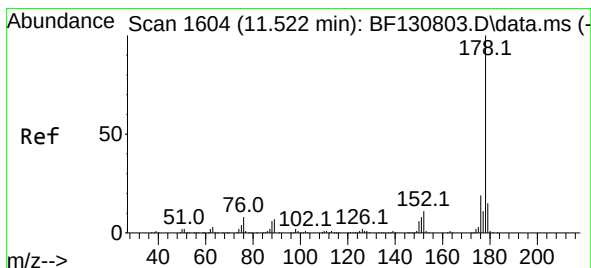
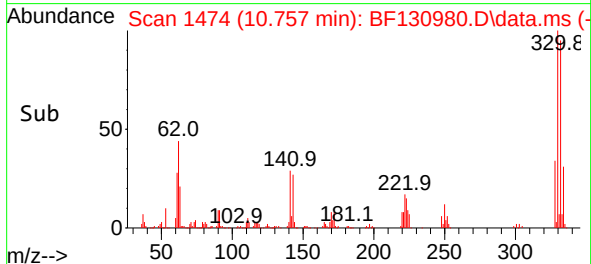
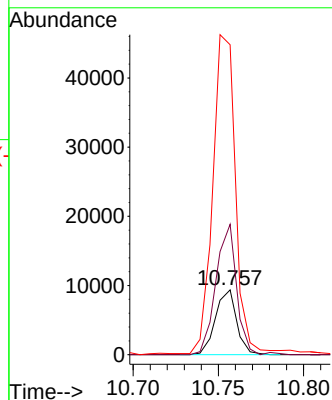
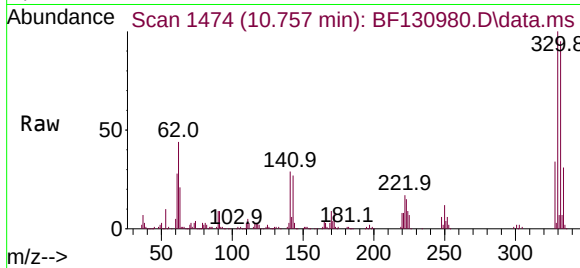




#67
4-Bromophenyl-phenylether
Concen: 3.352 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

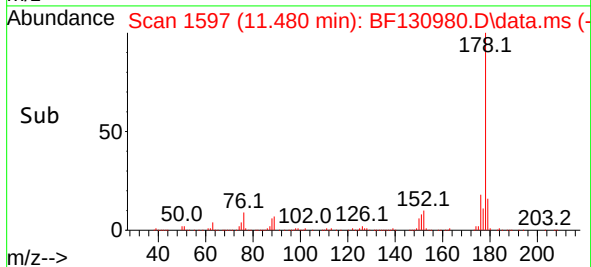
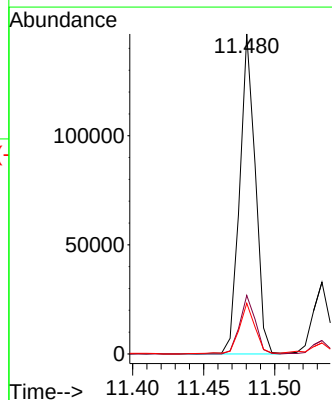
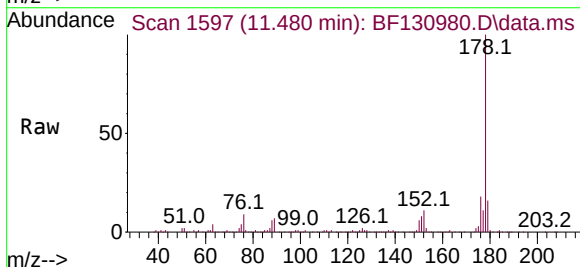
Instrument :
BNA_F
ClientSampleId :
TP-M

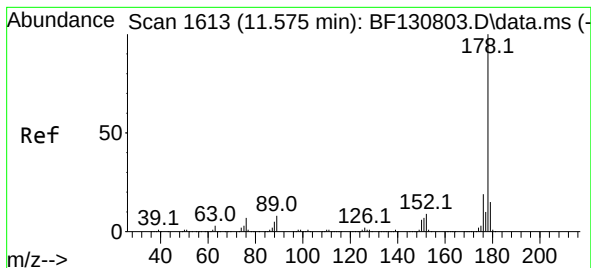
Tgt Ion:248 Resp: 8100
Ion Ratio Lower Upper
248 100
250 201.4 78.6 117.8#
141 478.8 54.2 81.4#



#71
Phenanthrene
Concen: 9.058 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Tgt Ion:178 Resp: 112331
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.8 12.2 18.2





#72

Anthracene

Concen: 2.096 ng

RT: 11.533 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

Instrument :

BNA_F

ClientSampleId :

TP-M

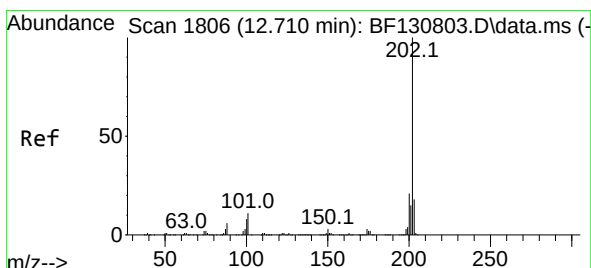
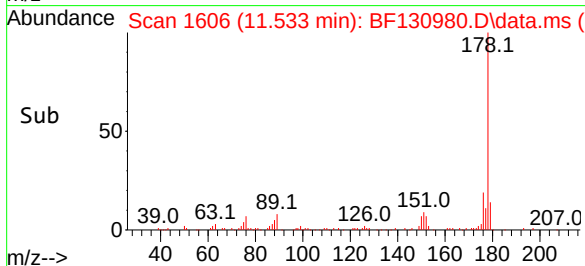
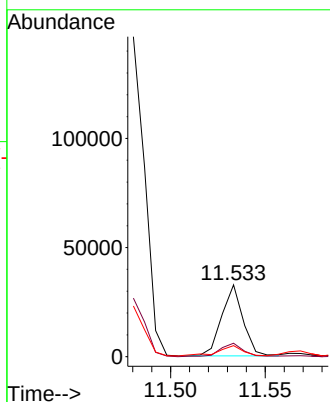
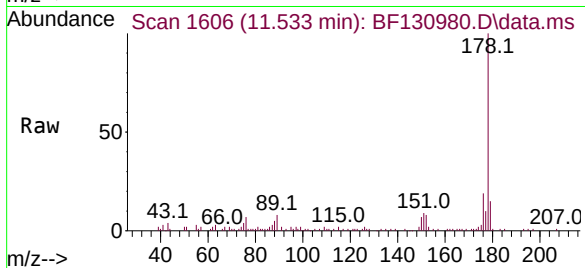
Tgt Ion:178 Resp: 25638

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 15.3 12.2 18.4



#75

Fluoranthene

Concen: 17.076 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

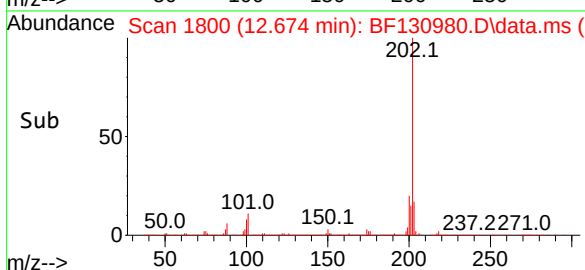
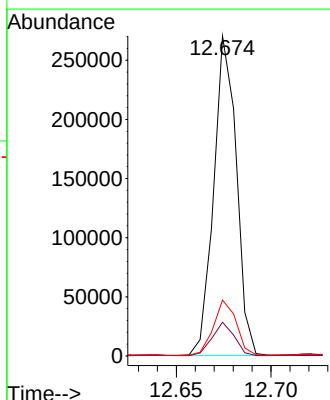
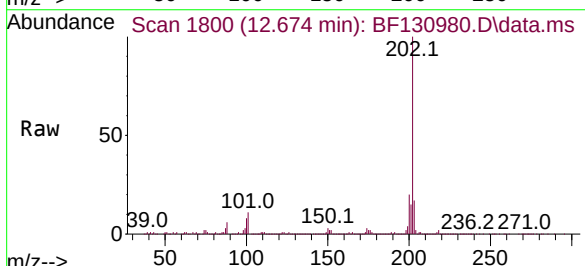
Tgt Ion:202 Resp: 224994

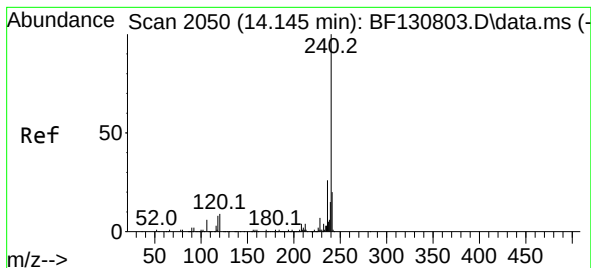
Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.9

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 2050

Delta R.T. 0.006 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

Instrument :

BNA_F

ClientSampleId :

TP-M

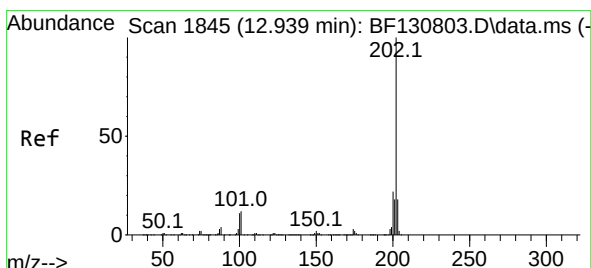
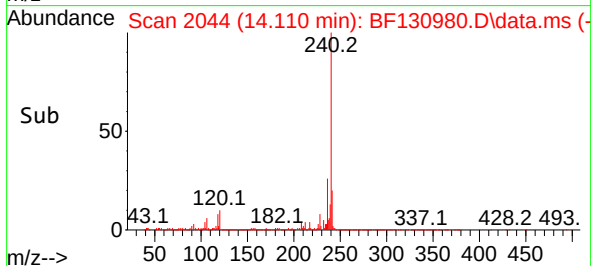
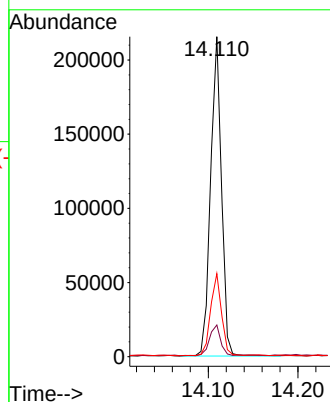
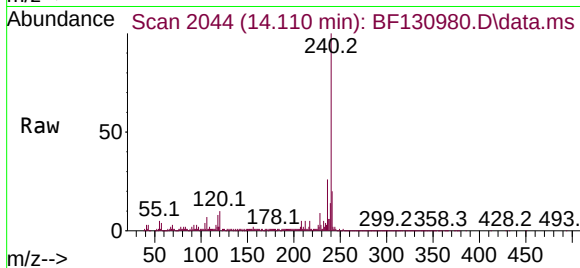
Tgt Ion:240 Resp: 181101

Ion Ratio Lower Upper

240 100

120 9.9 7.0 10.4

236 26.0 20.5 30.7



#78

Pyrene

Concen: 14.699 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.006 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

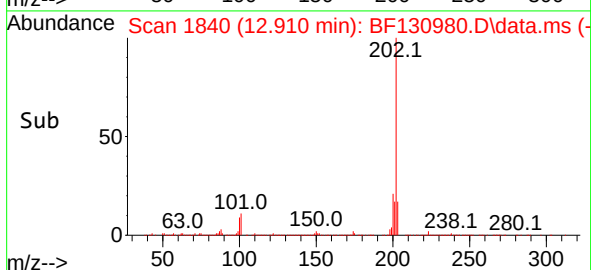
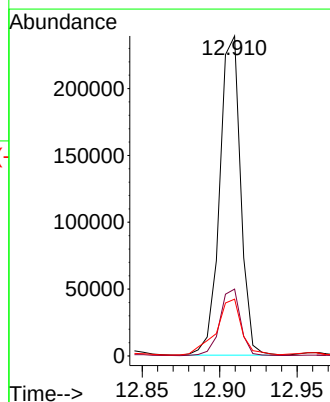
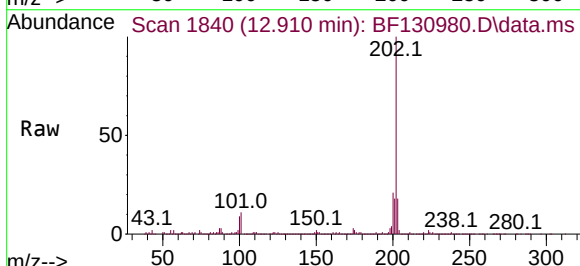
Tgt Ion:202 Resp: 224592

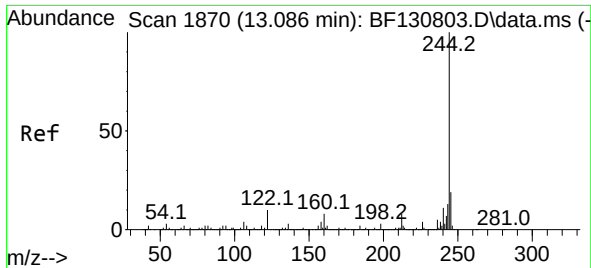
Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

203 17.8 14.5 21.7

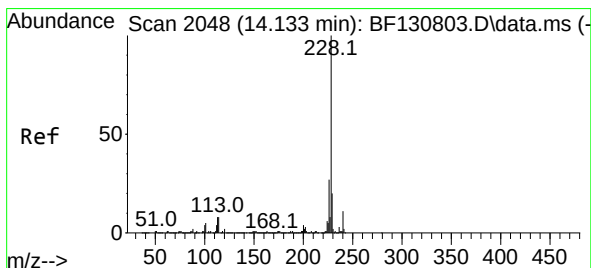
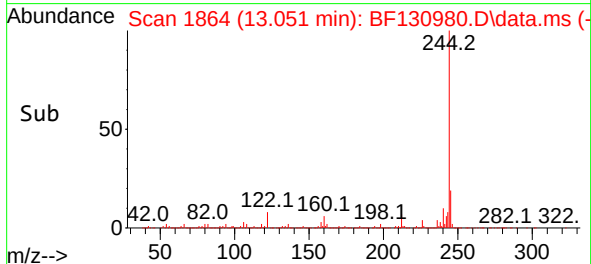
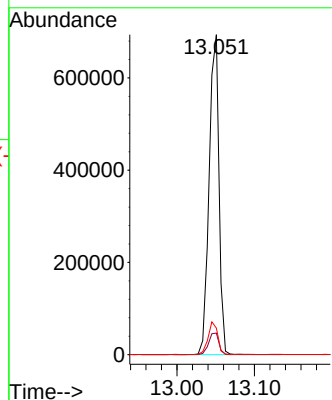
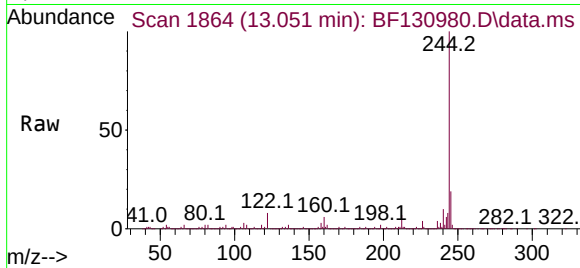




#79
 Terphenyl-d14
 Concen: 61.974 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. 0.006 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

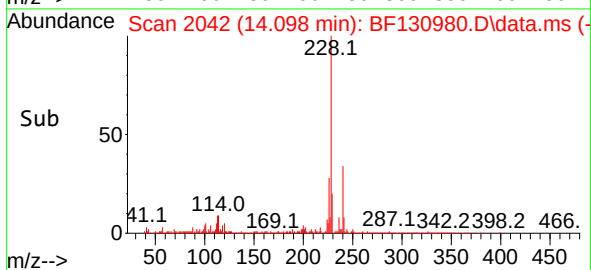
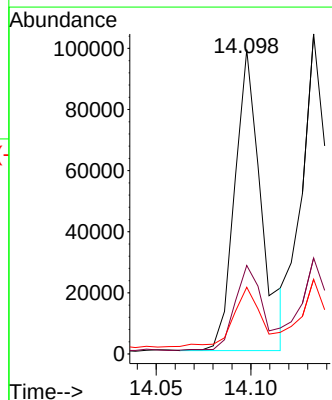
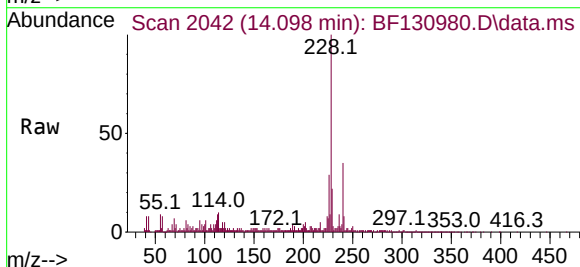
Instrument :
 BNA_F
 ClientSampleId :
 TP-M

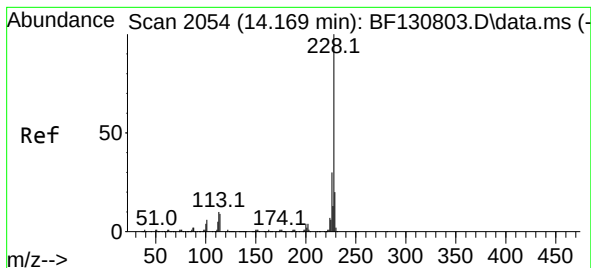
Tgt Ion:244 Resp: 612488
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.2
 122 8.3 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 7.937 ng
 RT: 14.098 min Scan# 2042
 Delta R.T. -0.000 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

Tgt Ion:228 Resp: 95297
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.4 32.2
 229 21.9 15.8 23.6





#83

Chrysene

Concen: 8.154 ng

RT: 14.133 min Scan# 2054

Delta R.T. -0.000 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

Instrument :

BNA_F

ClientSampleId :

TP-M

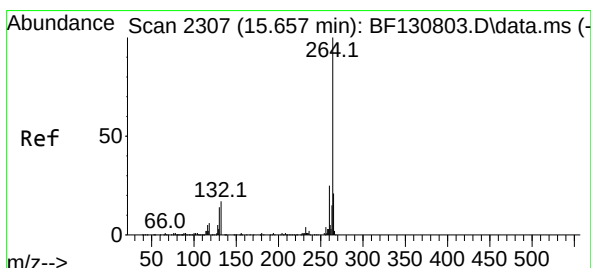
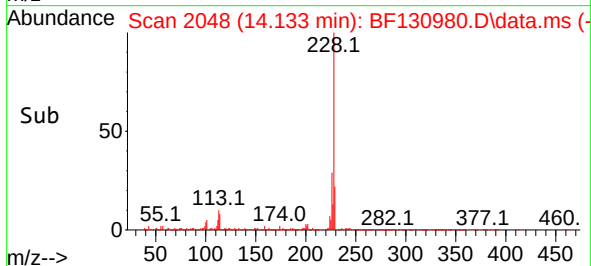
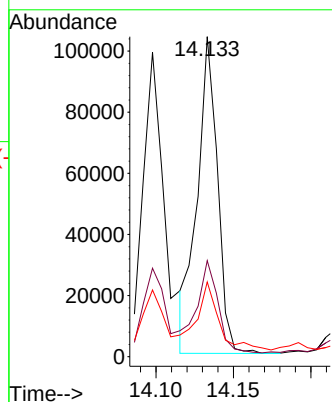
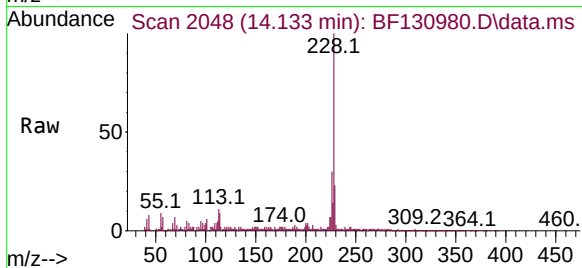
Tgt Ion:228 Resp: 94443

Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

229 23.4 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2301

Delta R.T. 0.012 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

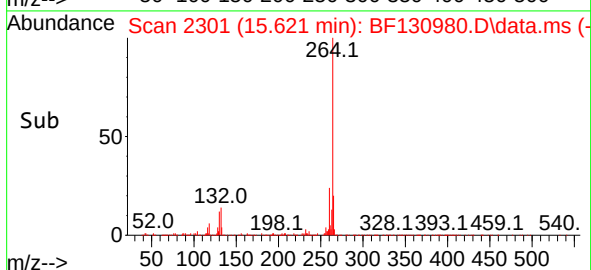
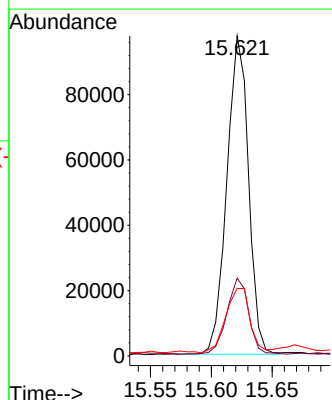
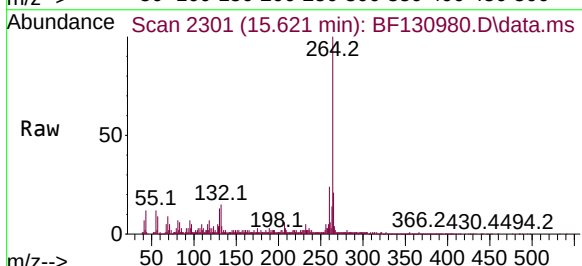
Tgt Ion:264 Resp: 120374

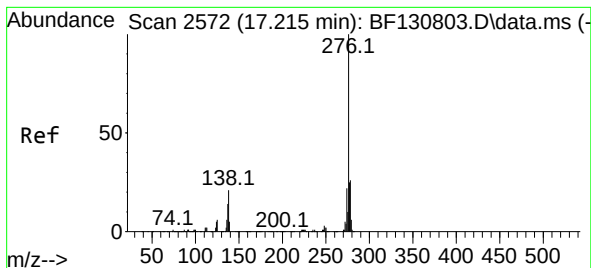
Ion Ratio Lower Upper

264 100

260 24.4 19.9 29.9

265 21.1 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.282 ng

RT: 17.151 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

Instrument :

BNA_F

ClientSampleId :

TP-M

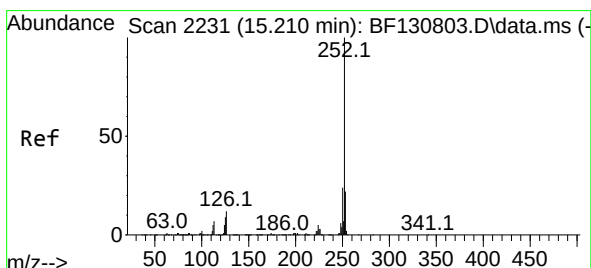
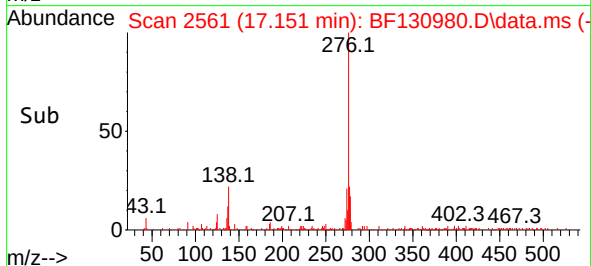
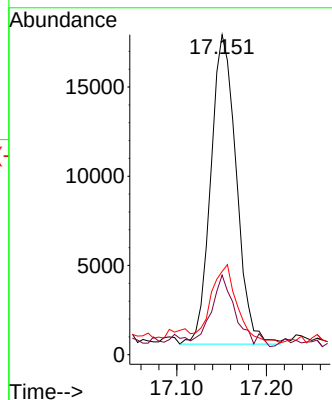
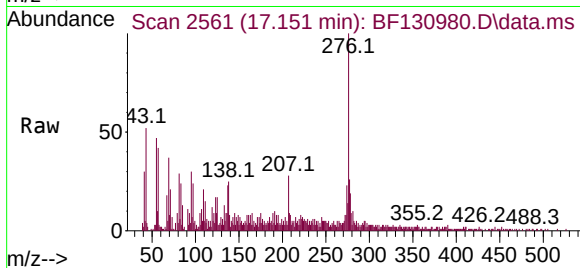
Tgt Ion:276 Resp: 34232

Ion Ratio Lower Upper

276 100

138 22.4 19.1 28.7

277 26.3 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 14.075 ng

RT: 15.174 min Scan# 2225

Delta R.T. 0.012 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

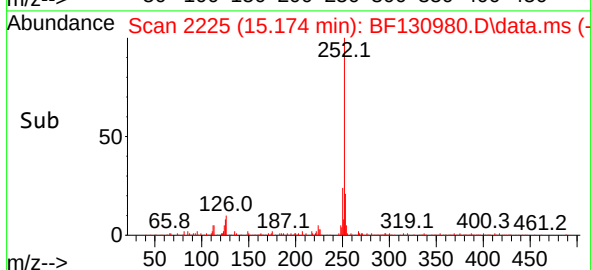
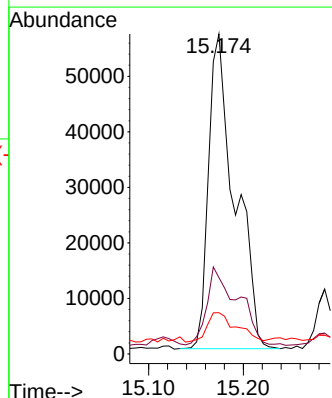
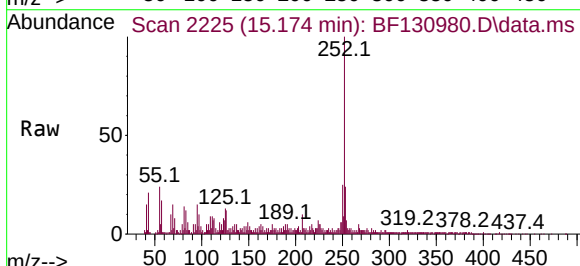
Tgt Ion:252 Resp: 109522

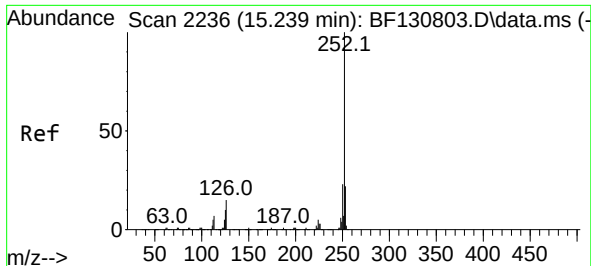
Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 12.9 7.0 10.4#

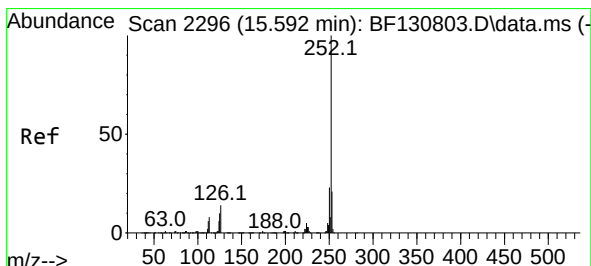
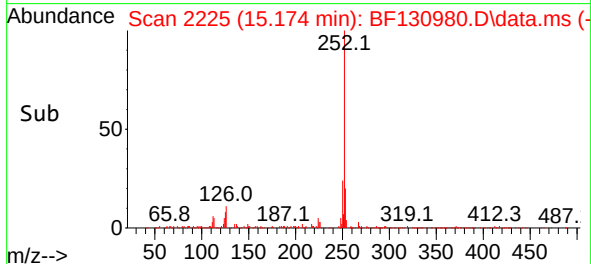
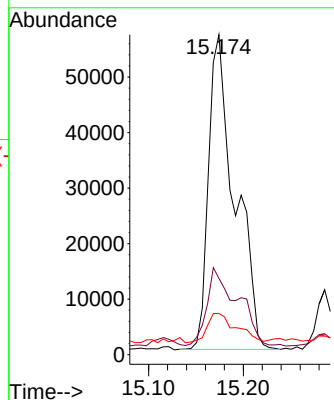
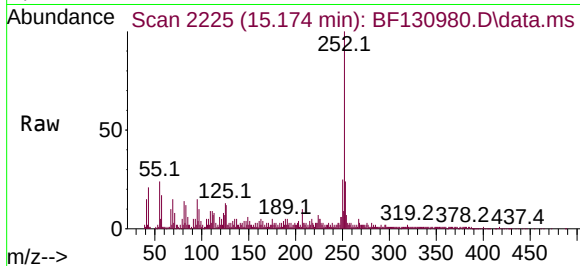




#89
Benzo(k)fluoranthene
Concen: 14.444 ng
RT: 15.174 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

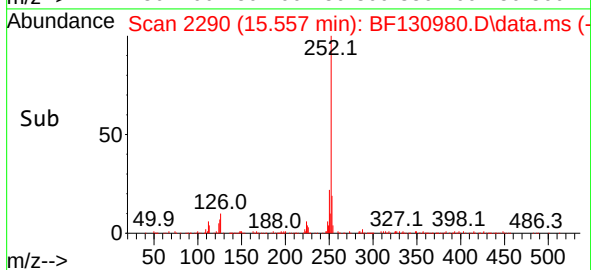
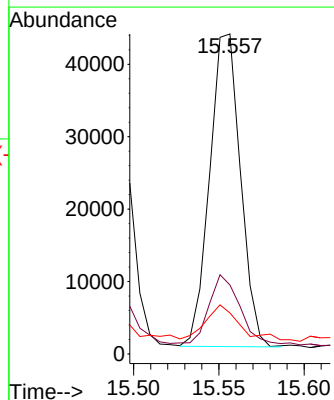
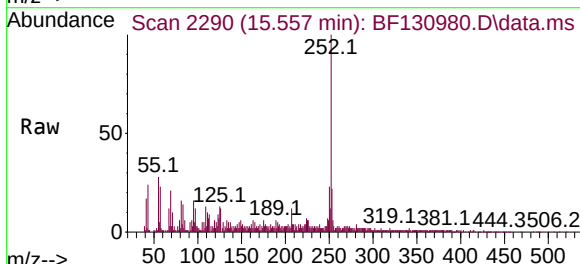
Instrument :
BNA_F
ClientSampleId :
TP-M

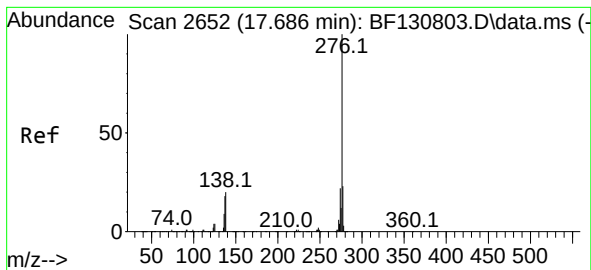
Tgt Ion:252 Resp: 109522
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 12.9 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 8.693 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.012 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Tgt Ion:252 Resp: 54378
Ion Ratio Lower Upper
252 100
253 21.6 16.8 25.2
125 12.8 8.3 12.5#





#92
 Benzo(g,h,i)perylene
 Concen: 5.105 ng
 RT: 17.621 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-M

Tgt Ion: 276 Resp: 33936
 Ion Ratio Lower Upper
 276 100
 277 29.9 18.8 28.2#
 138 23.4 16.3 24.5

