

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130970.D
 Acq On : 03 Nov 2022 20:56
 Operator : CG\JU
 Sample : N5396-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Quant Time: Nov 04 06:22:40 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)

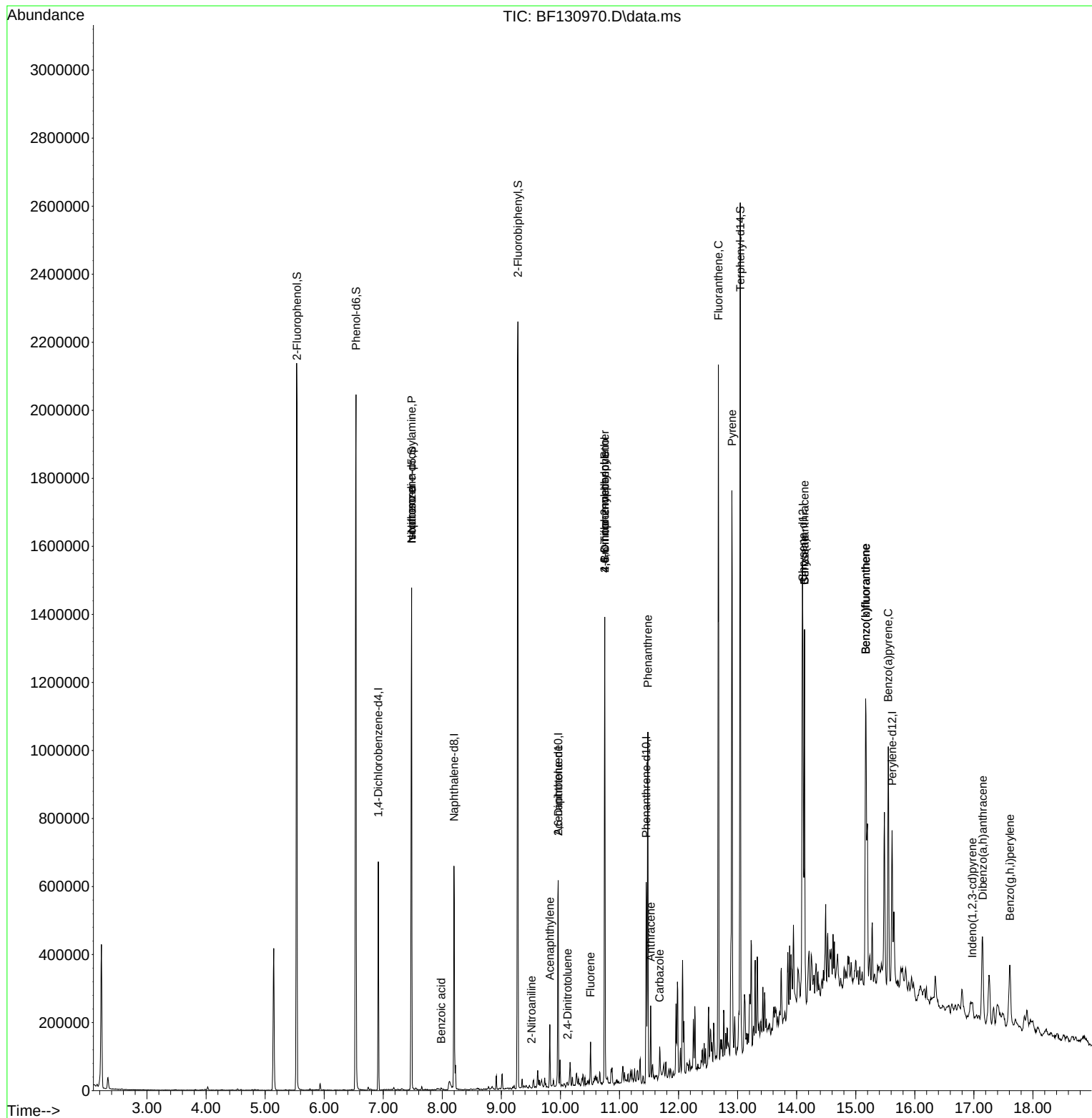
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	81865	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	278075	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	123552	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	214311	20.000	ng	0.00
76) Chrysene-d12	14.104	240	217713	20.000	ng	0.00
86) Perylene-d12	15.615	264	200540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	574796	121.721	ng	0.01
7) Phenol-d6	6.539	99	681659	111.082	ng	0.00
23) Nitrobenzene-d5	7.481	82	452498	98.121	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	142865	137.362	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	715550	87.561	ng	0.00
79) Terphenyl-d14	13.045	244	789415	66.444	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	60365	14.458	ng	# 78
25) Isophorone	7.481	82	452493	47.582	ng	# 66
32) Benzoic acid	7.981	122	458	7.817	ng	# 21
48) 2-Nitroaniline	9.510	65	70	4.175	ng	# 12
49) Acenaphthylene	9.822	152	62603	5.613	ng	98
51) 2,6-Dinitrotoluene	9.963	165	16136	12.210	ng	# 15
57) 2,4-Dinitrotoluene	10.122	165	558	3.961	ng	# 41
58) Fluorene	10.510	166	31429	3.993	ng	99
65) 4,6-Dinitro-2-methylph...	10.751	198	430	8.329	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	9457	4.388	ng	# 1
71) Phenanthrene	11.480	178	365930	33.082	ng	99
72) Anthracene	11.527	178	75146	6.888	ng	99
73) Carbazole	11.680	167	32982	3.376	ng	99
75) Fluoranthene	12.674	202	772742	65.751	ng	100
78) Pyrene	12.904	202	703174	38.283	ng	98
81) Benzo(a)anthracene	14.133	228	428771	29.705	ng	97
83) Chrysene	14.133	228	428771	30.796	ng	98
87) Indeno(1,2,3-cd)pyrene	16.974	276	31379	2.356	ng	97
88) Benzo(b)fluoranthene	15.168	252	684593	52.809	ng	97
89) Benzo(k)fluoranthene	15.168	252	684593	54.195	ng	98
90) Benzo(a)pyrene	15.551	252	341080	32.730	ng	98
91) Dibenzo(a,h)anthracene	17.150	278	46245	4.260	ng	# 89
92) Benzo(g,h,i)perylene	17.609	276	151781	13.704	ng	98

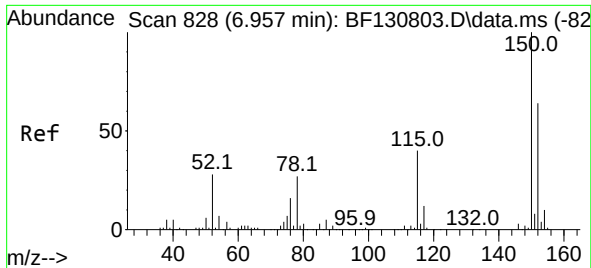
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
Data File : BF130970.D
Acq On : 03 Nov 2022 20:56
Operator : CG\JU
Sample : N5396-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Time: Nov 04 06:22:40 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

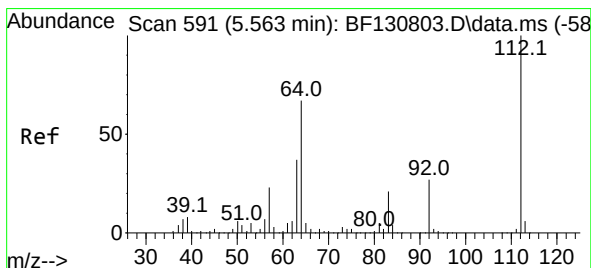
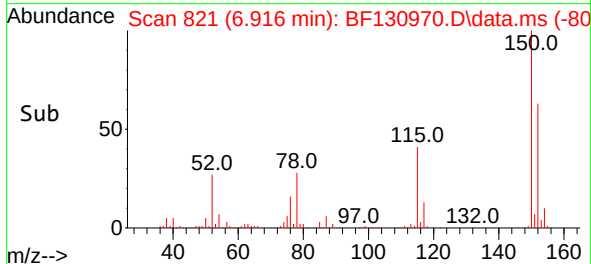
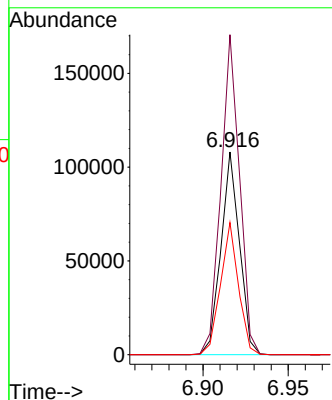
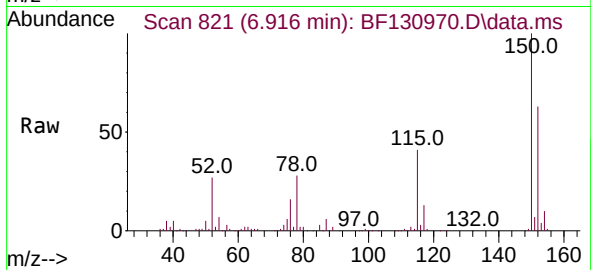




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

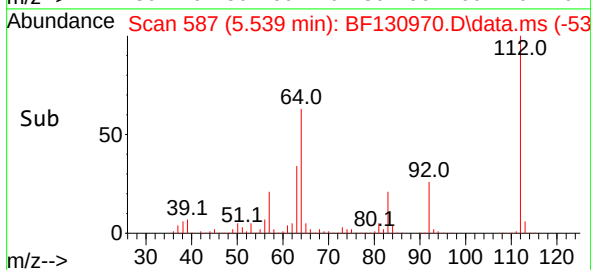
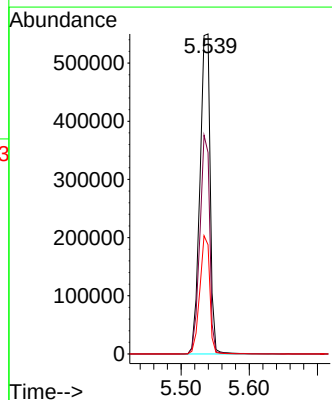
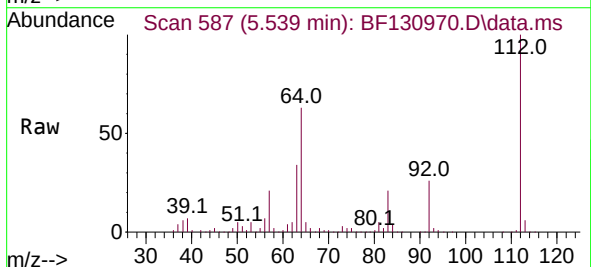
Instrument :
BNA_F
ClientSampleId :
TP-A

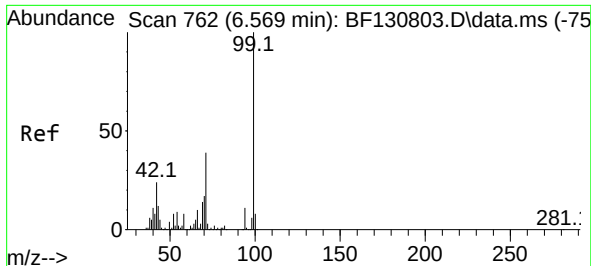
Tgt Ion:152 Resp: 81865
Ion Ratio Lower Upper
152 100
150 157.8 124.1 186.1
115 65.1 50.1 75.1



#5
2-Fluorophenol
Concen: 121.721 ng
RT: 5.539 min Scan# 587
Delta R.T. 0.012 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion:112 Resp: 574796
Ion Ratio Lower Upper
112 100
64 62.9 53.9 80.9
63 34.1 29.4 44.2

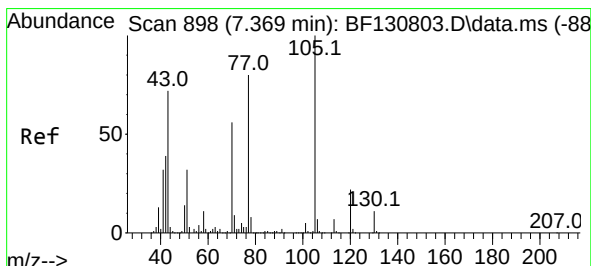
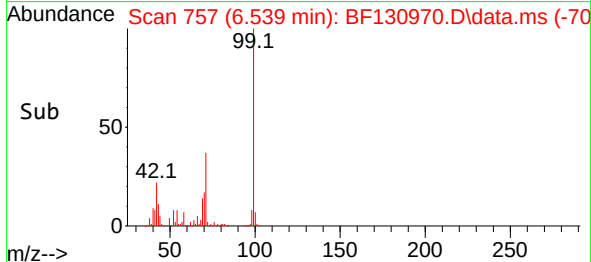
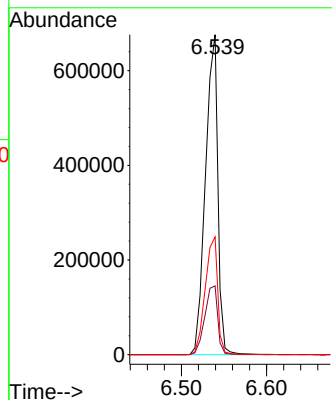
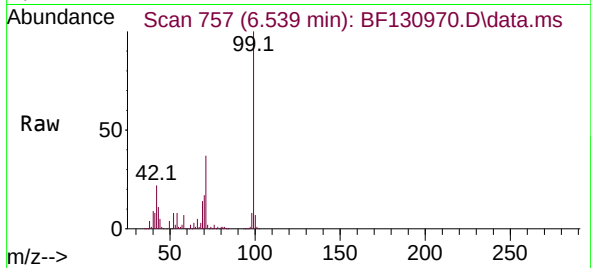




#7
Phenol-d6
Concen: 111.082 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

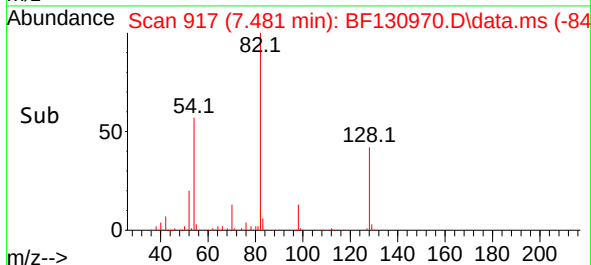
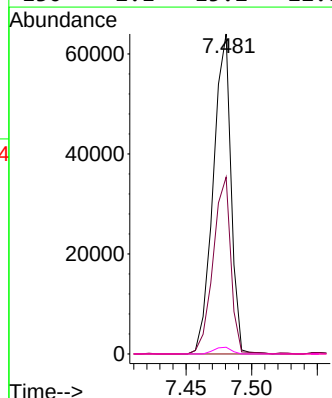
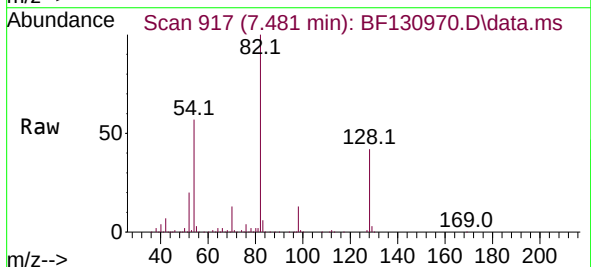
Instrument :
BNA_F
ClientSampleId :
TP-A

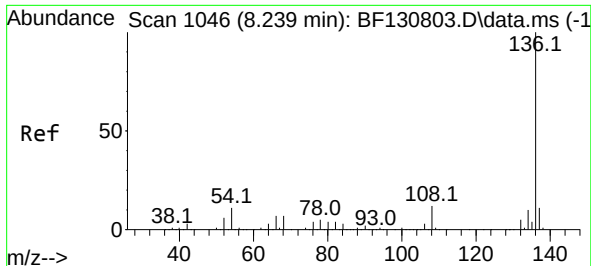
Tgt Ion: 99 Resp: 681659
Ion Ratio Lower Upper
99 100
42 21.5 18.8 28.2
71 36.8 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.458 ng
RT: 7.481 min Scan# 917
Delta R.T. 0.153 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion: 70 Resp: 60365
Ion Ratio Lower Upper
70 100
42 55.3 56.1 84.1#
101 0.0 7.3 10.9#
130 2.1 15.2 22.8#



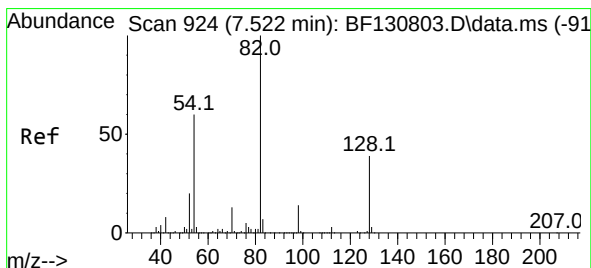
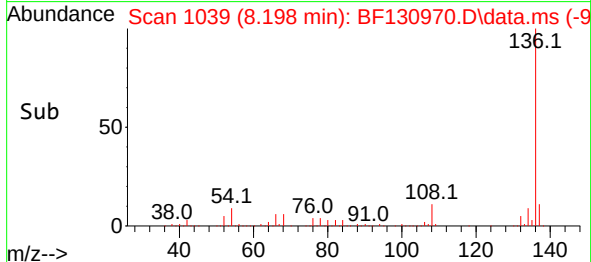
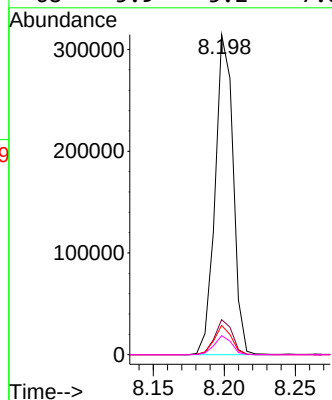
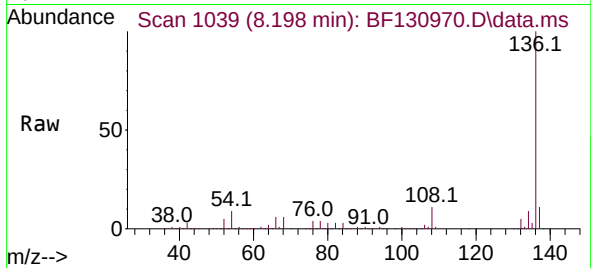


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:136 Resp: 278075

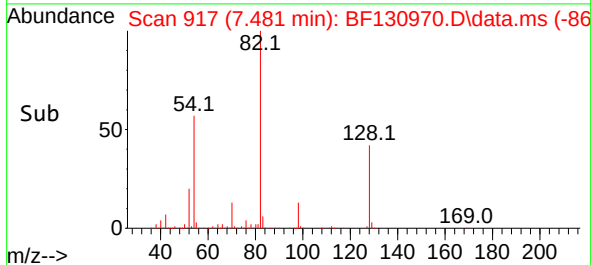
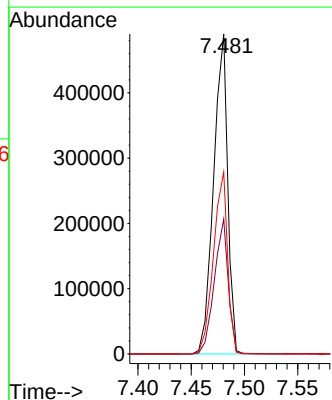
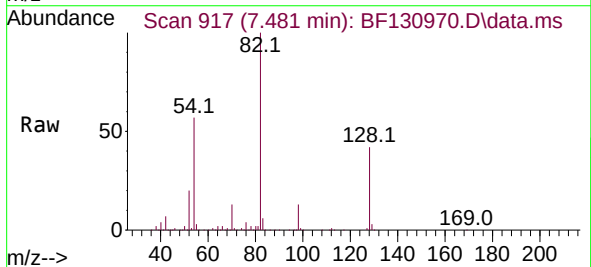
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	9.2	8.8	13.2
68	5.9	5.2	7.8

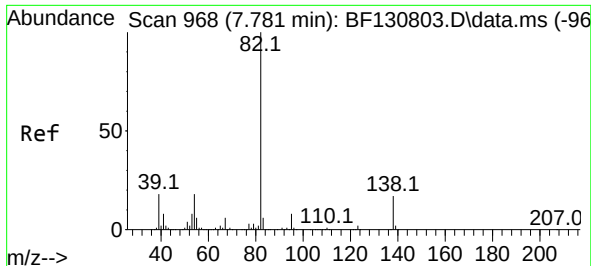


#23
Nitrobenzene-d5
Concen: 98.121 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion: 82 Resp: 452498

Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.2	46.8
54	56.8	48.0	72.0

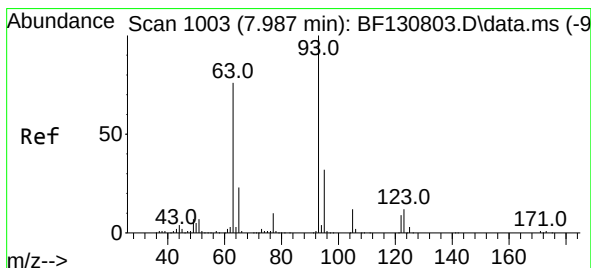
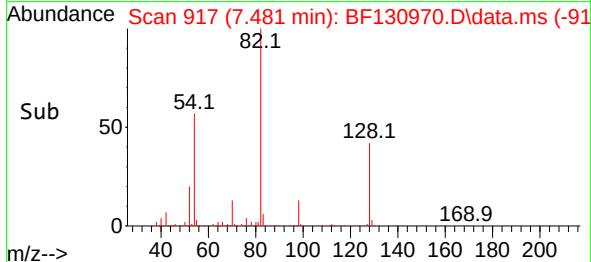
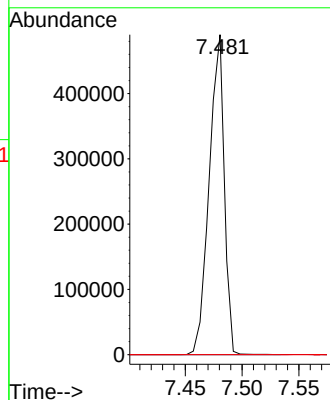
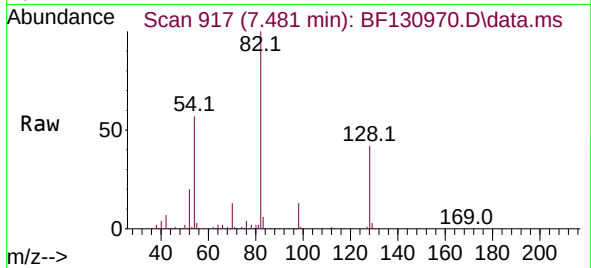




#25
Isophorone
Concen: 47.582 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

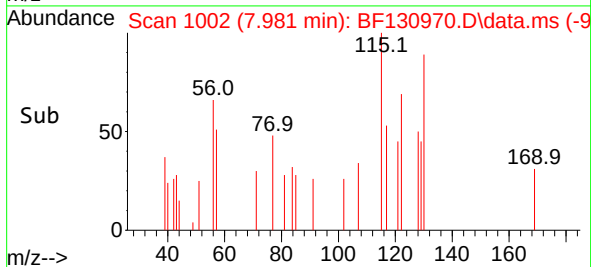
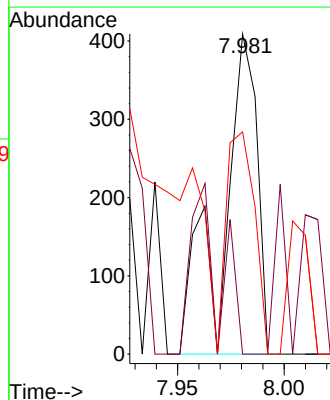
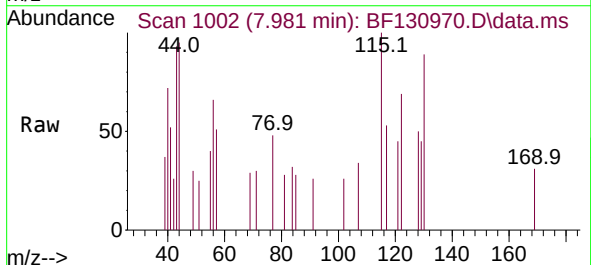
Instrument :
BNA_F
ClientSampleId :
TP-A

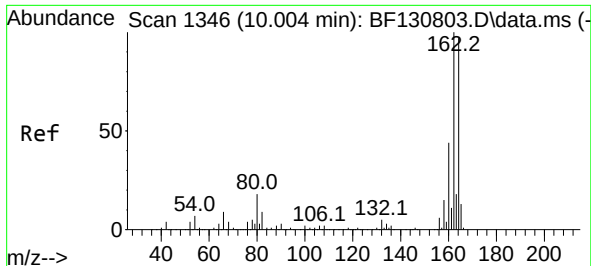
Tgt Ion: 82 Resp: 452493
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.817 ng
RT: 7.981 min Scan# 1002
Delta R.T. 0.017 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion:122 Resp: 458
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 69.4 89.8 129.8#

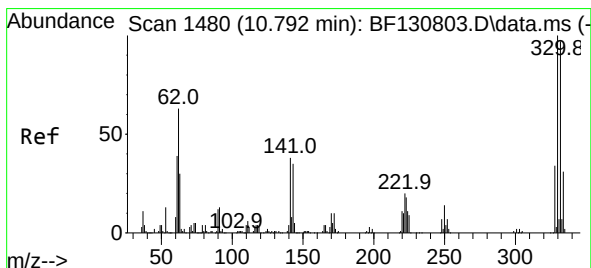
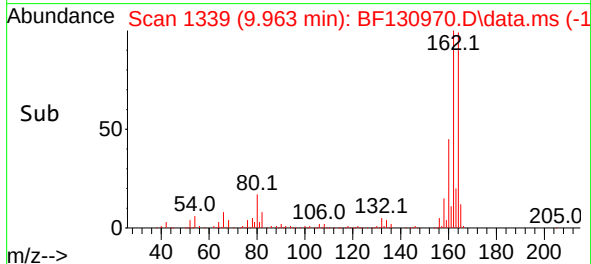
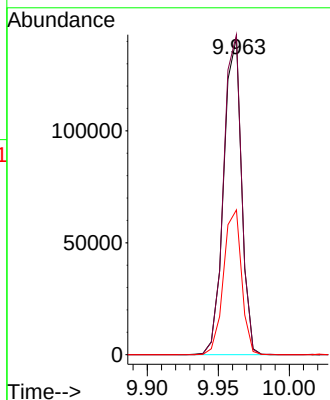
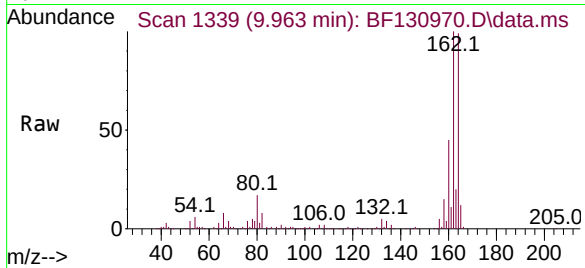




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

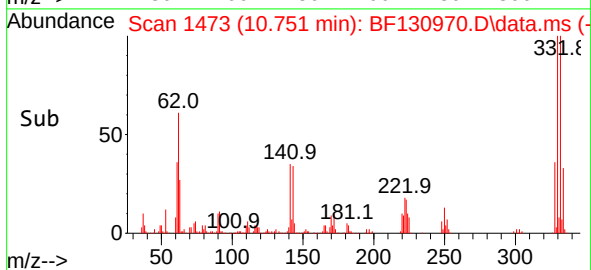
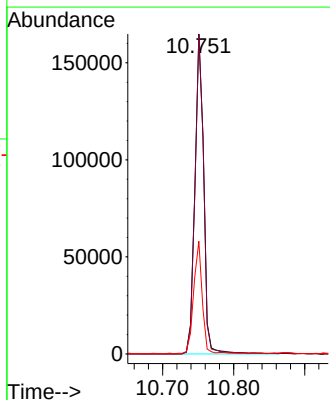
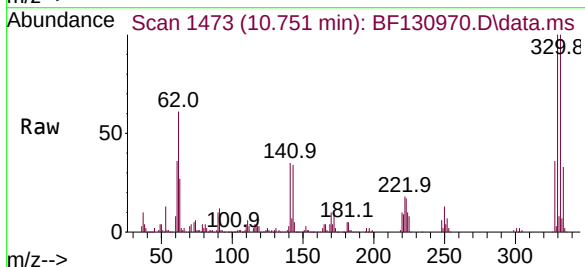
Instrument :
BNA_F
ClientSampleId :
TP-A

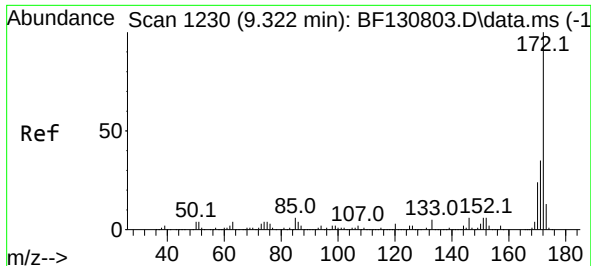
Tgt Ion:164 Resp: 123552
Ion Ratio Lower Upper
164 100
162 100.9 82.2 123.2
160 45.7 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 137.362 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion:330 Resp: 142865
Ion Ratio Lower Upper
330 100
332 98.1 76.2 114.4
141 34.0 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 87.561 ng

RT: 9.280 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

ClientSampleId :

TP-A

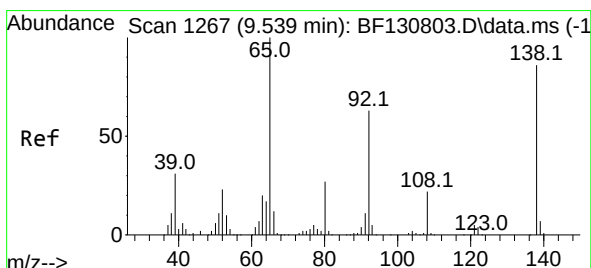
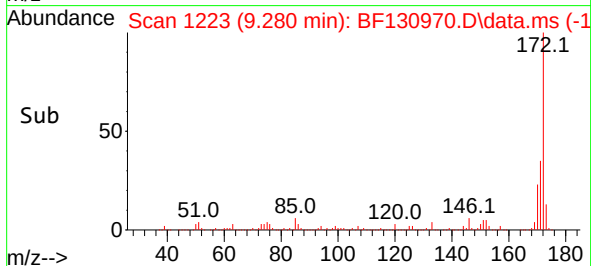
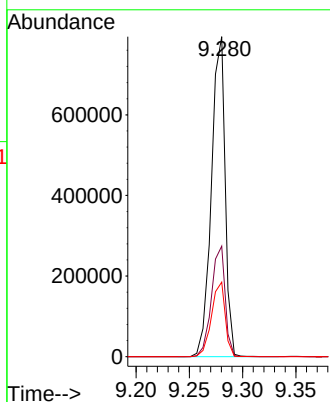
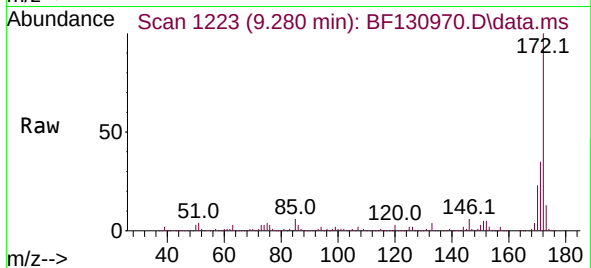
Tgt Ion:172 Resp: 715550

Ion Ratio Lower Upper

172 100

171 34.6 28.1 42.1

170 23.3 19.0 28.4



#48

2-Nitroaniline

Concen: 4.175 ng

RT: 9.510 min Scan# 1262

Delta R.T. 0.006 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

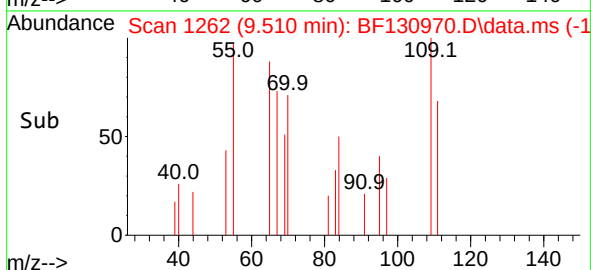
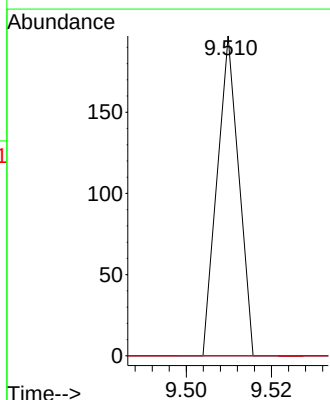
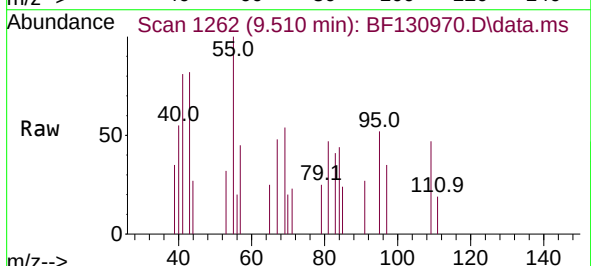
Tgt Ion: 65 Resp: 70

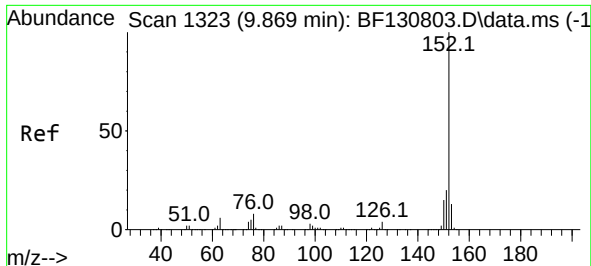
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#





#49

Acenaphthylene

Concen: 5.613 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

ClientSampleId :

TP-A

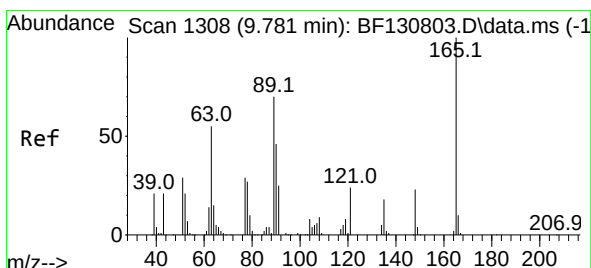
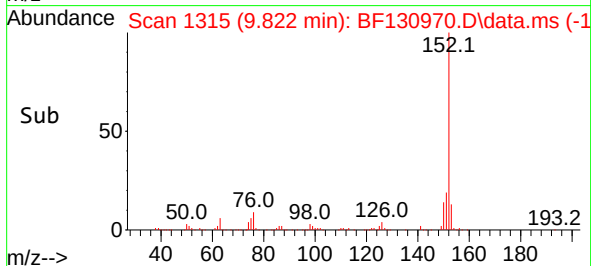
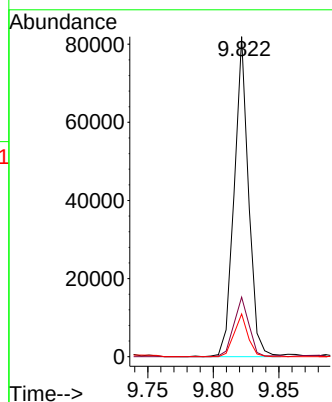
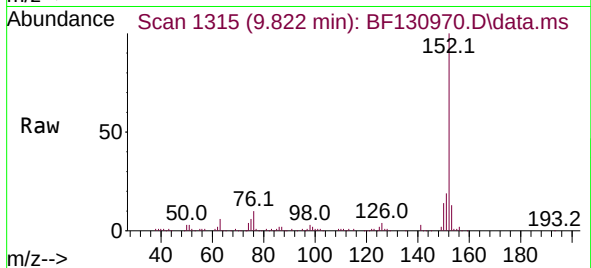
Tgt Ion:152 Resp: 62603

Ion Ratio Lower Upper

152 100

151 18.6 15.8 23.8

153 13.3 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 12.210 ng

RT: 9.963 min Scan# 1339

Delta R.T. 0.217 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

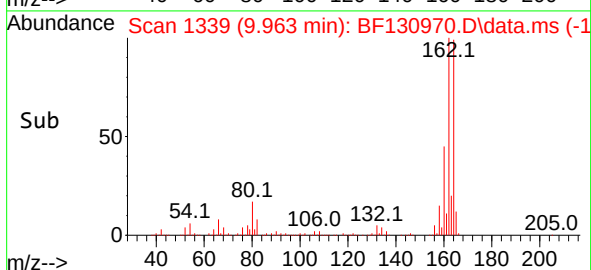
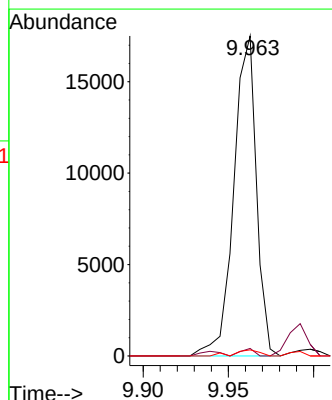
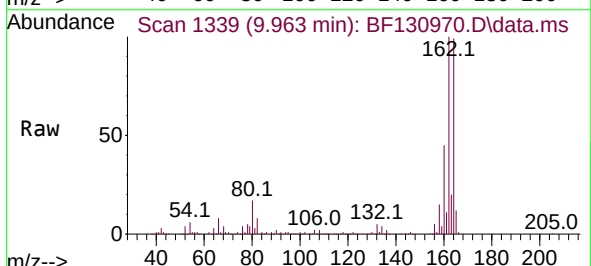
Tgt Ion:165 Resp: 16136

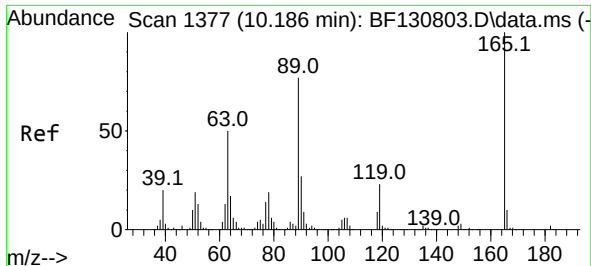
Ion Ratio Lower Upper

165 100

63 2.3 61.8 92.8#

89 1.9 56.2 84.4#

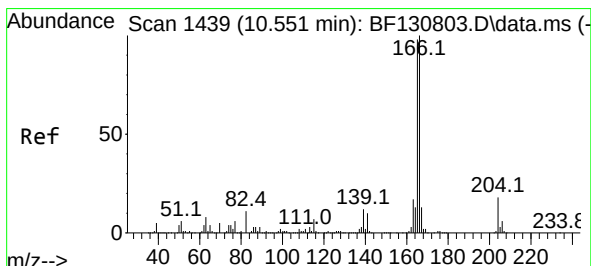
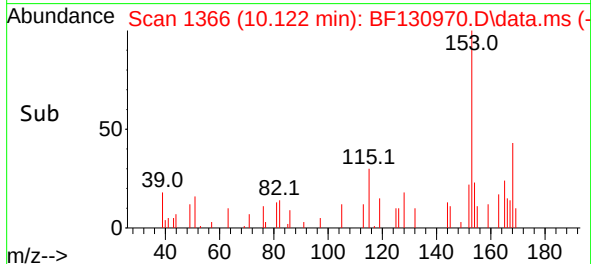
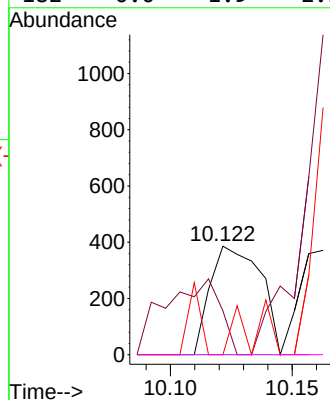
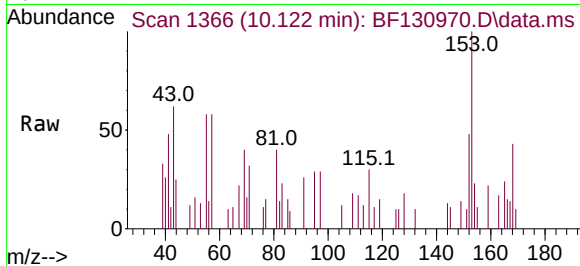




#57
2,4-Dinitrotoluene
Concen: 3.961 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.030 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

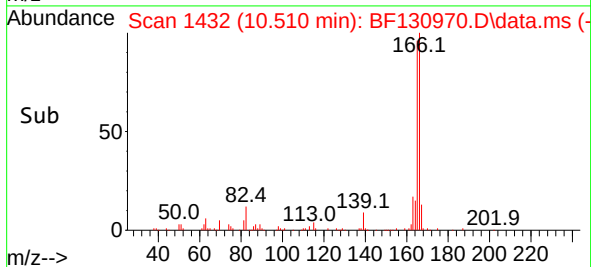
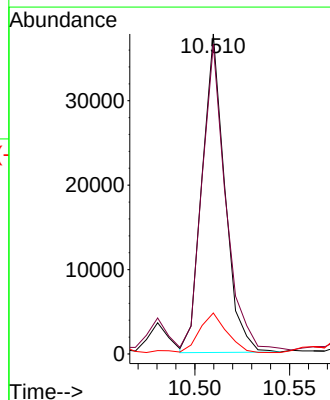
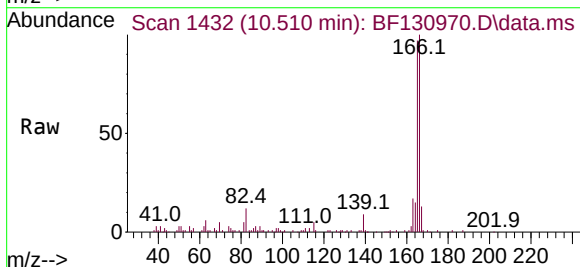
Instrument :
BNA_F
ClientSampleId :
TP-A

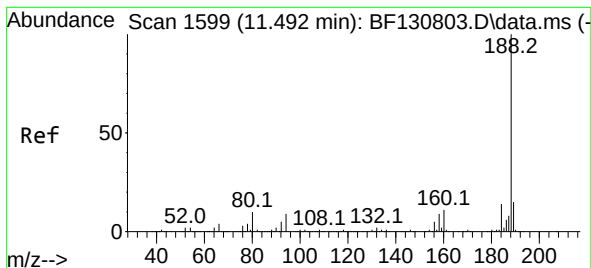
Tgt Ion:165 Resp: 558
Ion Ratio Lower Upper
165 100
63 40.4 39.8 59.6
89 0.0 61.9 92.9#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 3.993 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion:166 Resp: 31429
Ion Ratio Lower Upper
166 100
165 96.7 78.1 117.1
167 12.8 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

ClientSampleId :

TP-A

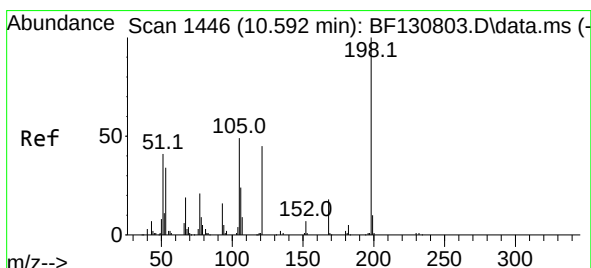
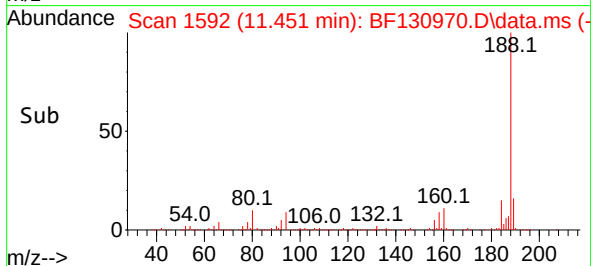
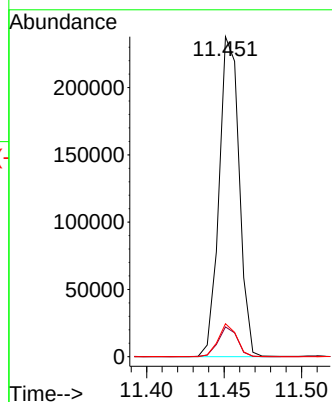
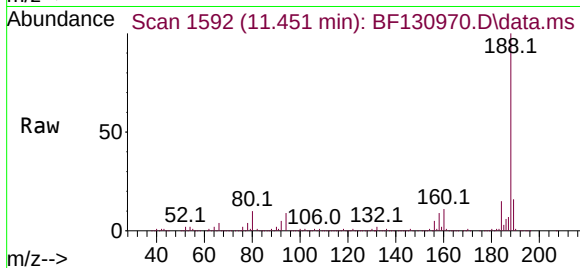
Tgt Ion:188 Resp: 214311

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.3 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.329 ng

RT: 10.751 min Scan# 1473

Delta R.T. 0.188 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

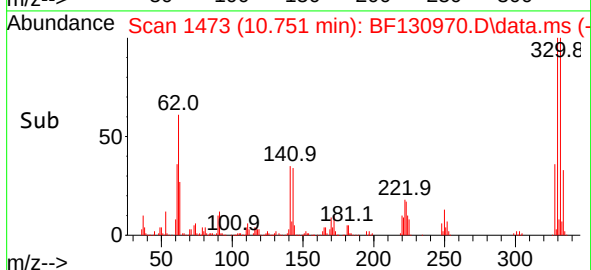
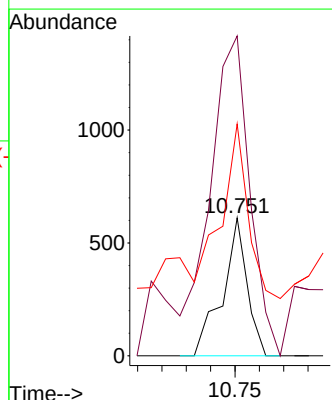
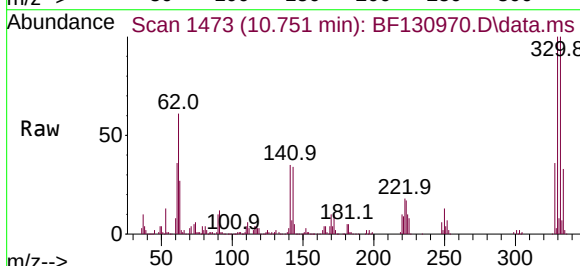
Tgt Ion:198 Resp: 430

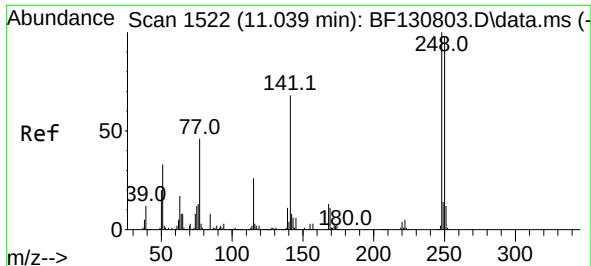
Ion Ratio Lower Upper

198 100

51 231.9 39.0 79.0#

105 168.1 30.6 70.6#

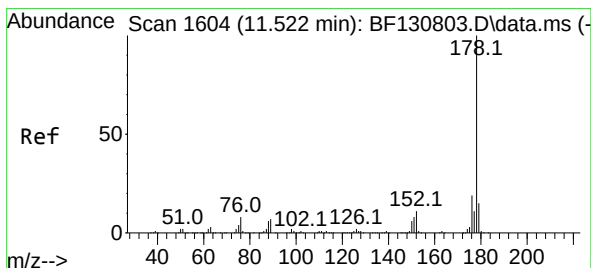
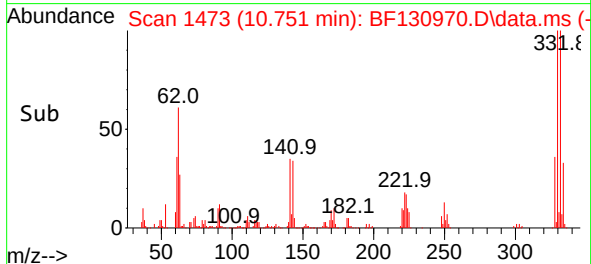
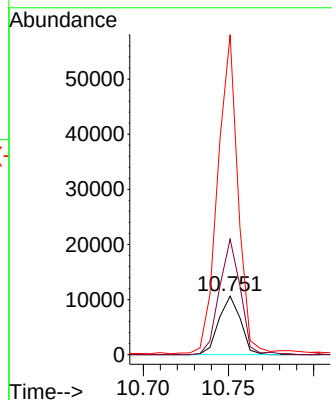
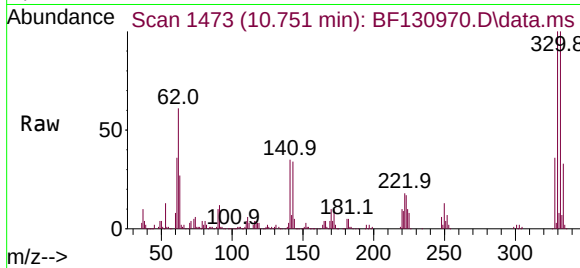




#67
4-Bromophenyl-phenylether
Concen: 4.388 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

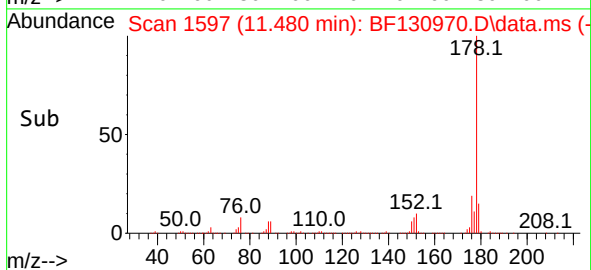
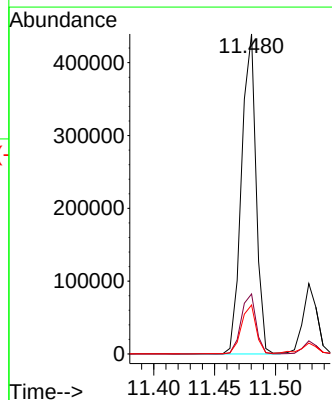
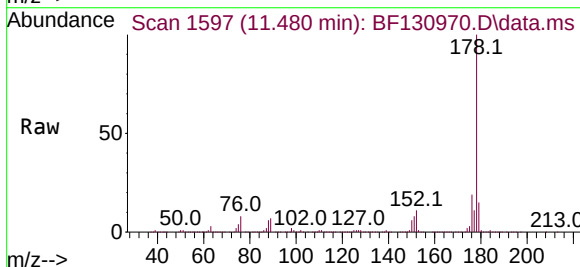
Instrument :
BNA_F
ClientSampleId :
TP-A

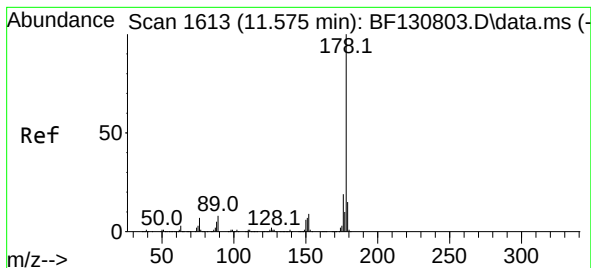
Tgt Ion:248 Resp: 9457
Ion Ratio Lower Upper
248 100
250 197.2 78.6 117.8#
141 546.3 54.2 81.4#



#71
Phenanthrene
Concen: 33.082 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion:178 Resp: 365930
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.3 12.2 18.2





#72

Anthracene

Concen: 6.888 ng

RT: 11.527 min Scan# 1605

Delta R.T. -0.006 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

ClientSampleId :

TP-A

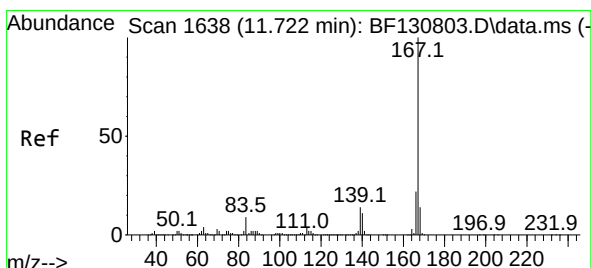
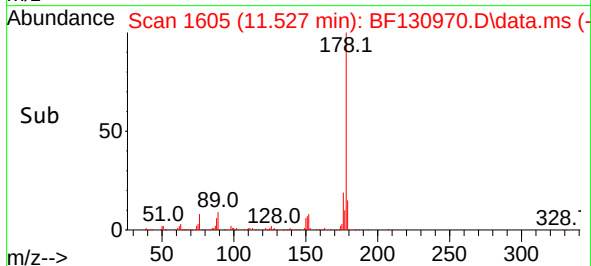
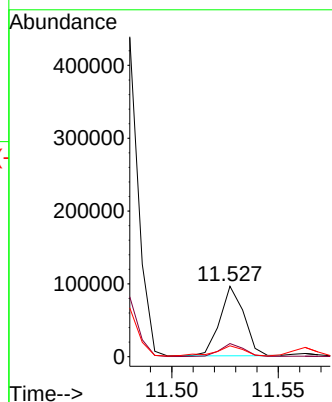
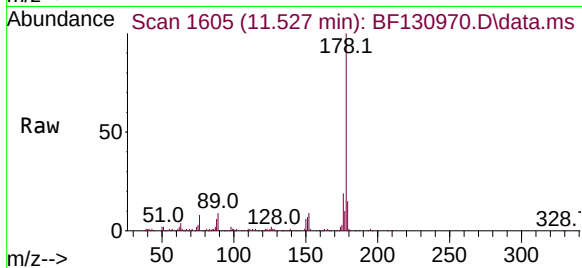
Tgt Ion:178 Resp: 75146

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

179 15.5 12.2 18.4



#73

Carbazole

Concen: 3.376 ng

RT: 11.680 min Scan# 1631

Delta R.T. -0.006 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

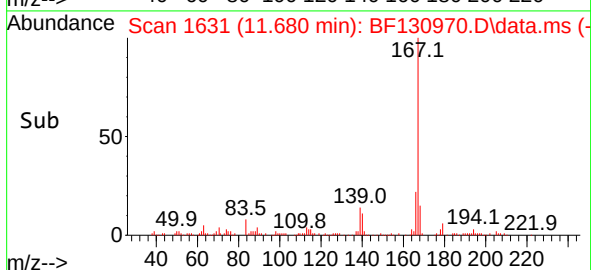
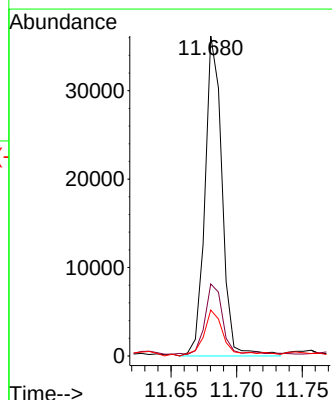
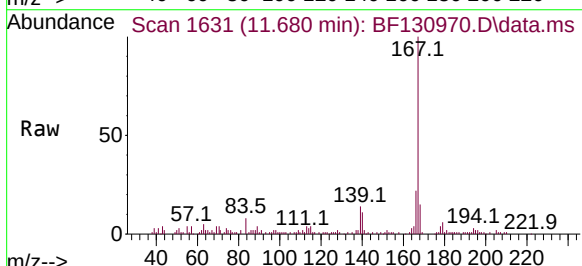
Tgt Ion:167 Resp: 32982

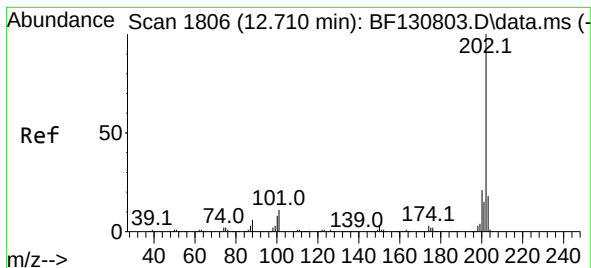
Ion Ratio Lower Upper

167 100

166 22.5 17.4 26.0

139 14.3 11.3 16.9





#75

Fluoranthene

Concen: 65.751 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

ClientSampleId :

TP-A

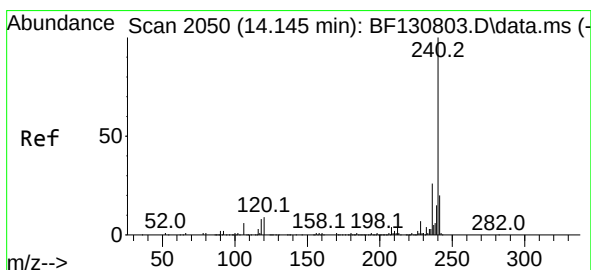
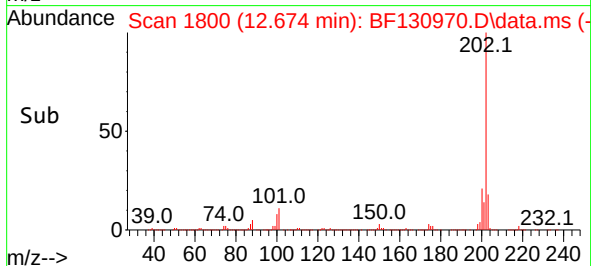
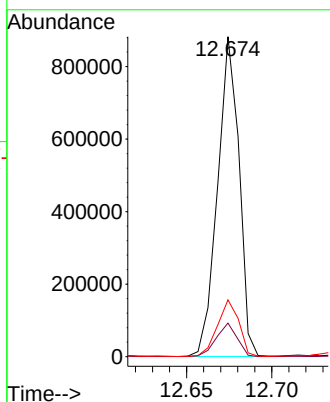
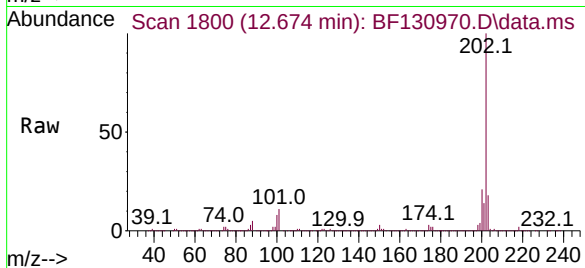
Tgt Ion:202 Resp: 772742

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.9

203 17.8 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.104 min Scan# 2043

Delta R.T. -0.000 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

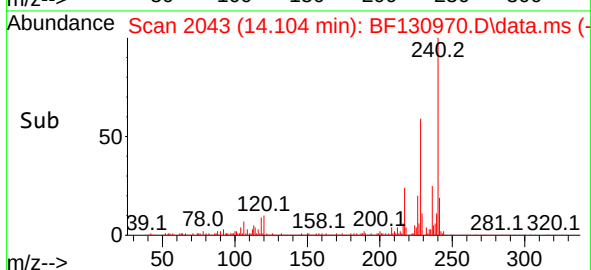
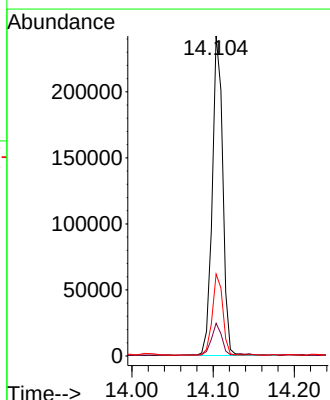
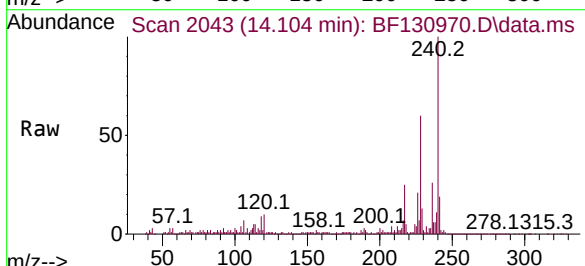
Tgt Ion:240 Resp: 217713

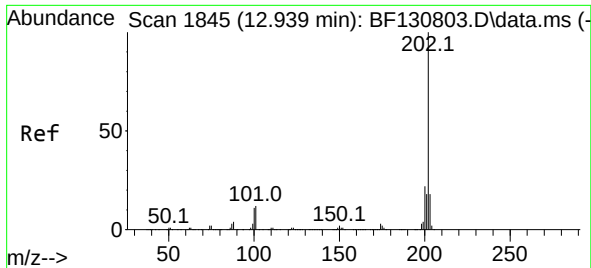
Ion Ratio Lower Upper

240 100

120 10.2 7.0 10.4

236 25.6 20.5 30.7





#78

Pyrene

Concen: 38.283 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

ClientSampleId :

TP-A

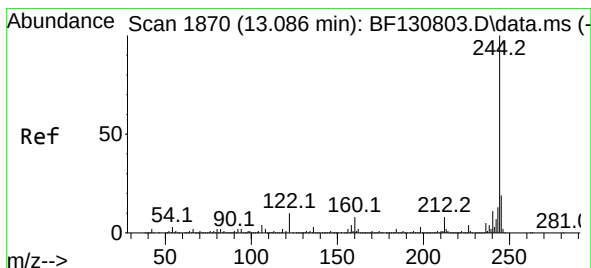
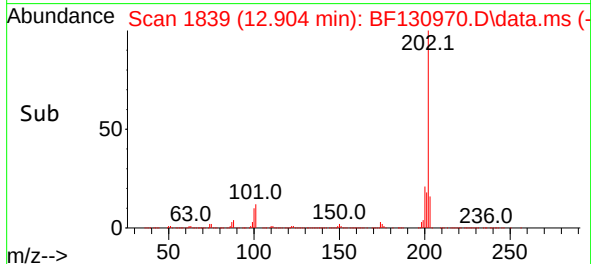
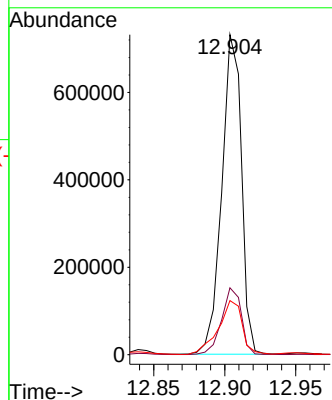
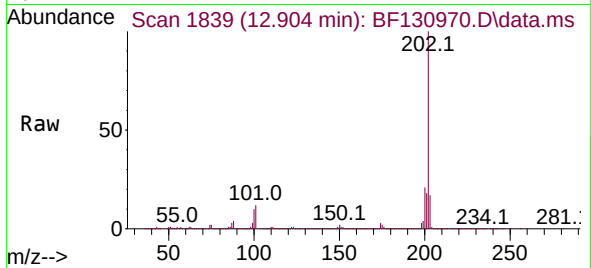
Tgt Ion:202 Resp: 703174

Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

203 16.9 14.5 21.7



#79

Terphenyl-d14

Concen: 66.444 ng

RT: 13.045 min Scan# 1863

Delta R.T. -0.000 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

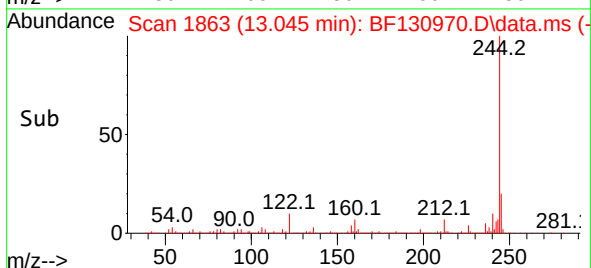
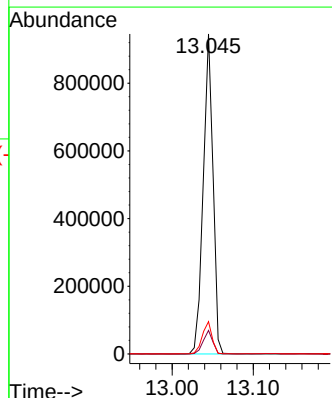
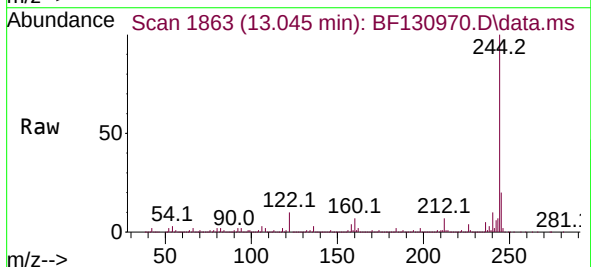
Tgt Ion:244 Resp: 789415

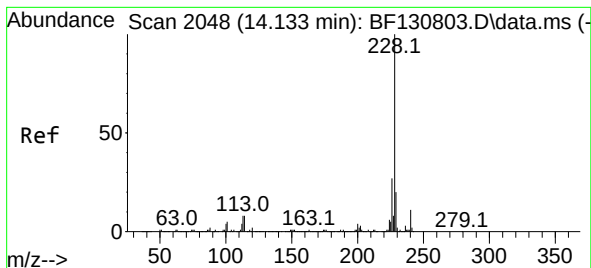
Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

122 10.1 7.9 11.9





#81

Benzo(a)anthracene

Concen: 29.705 ng

RT: 14.133 min Scan# 2048

Delta R.T. 0.035 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

ClientSampleId :

TP-A

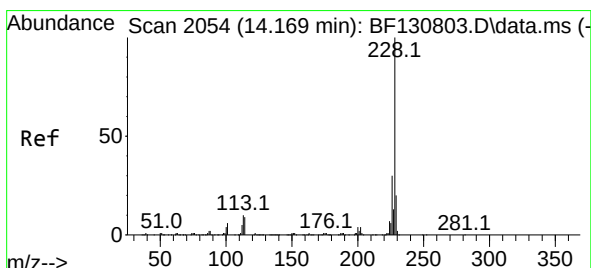
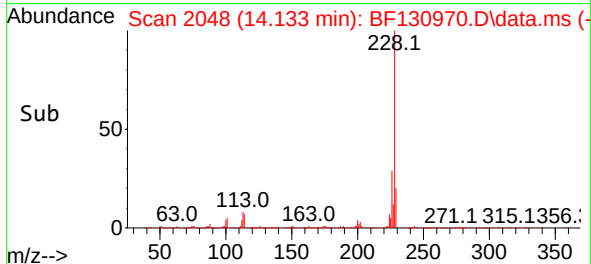
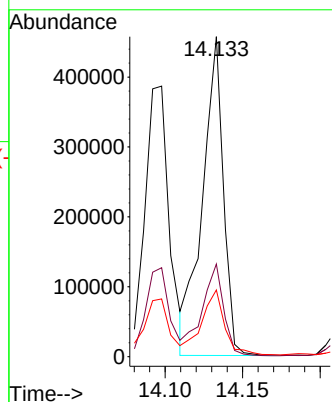
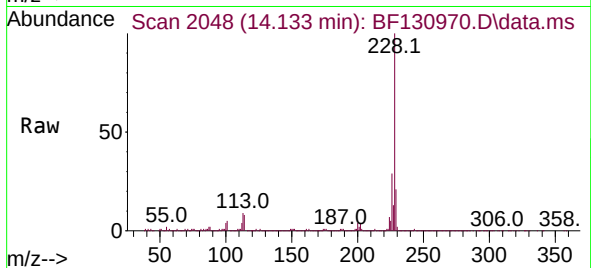
Tgt Ion:228 Resp: 428771

Ion Ratio Lower Upper

228 100

226 29.0 21.4 32.2

229 20.9 15.8 23.6



#83

Chrysene

Concen: 30.796 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.000 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

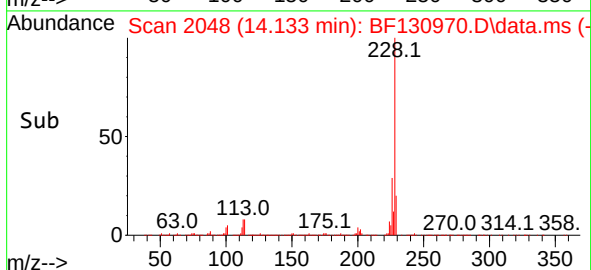
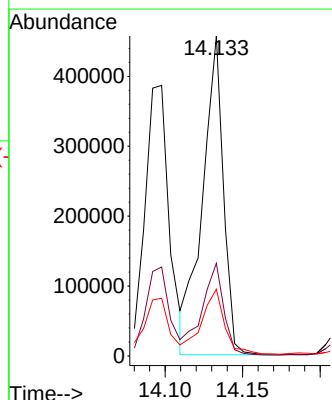
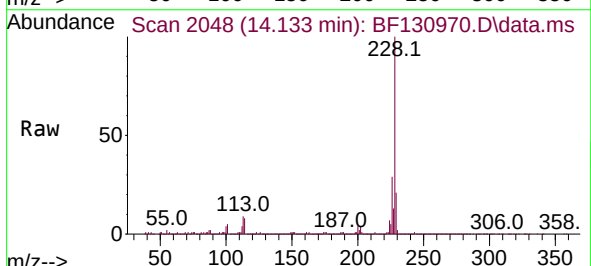
Tgt Ion:228 Resp: 428771

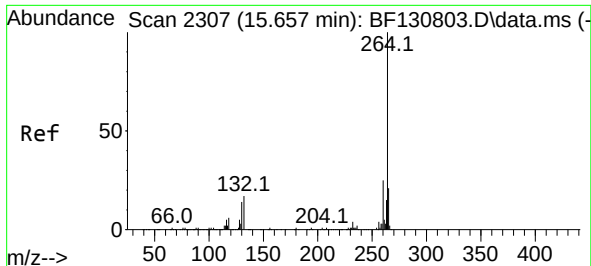
Ion Ratio Lower Upper

228 100

226 29.0 23.9 35.9

229 20.9 15.8 23.6

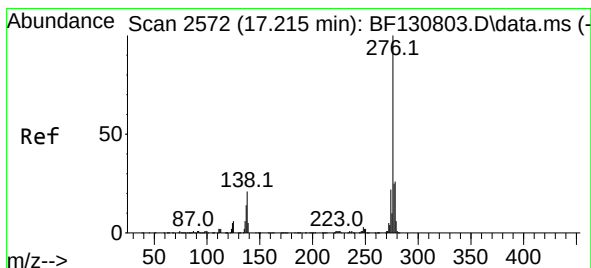
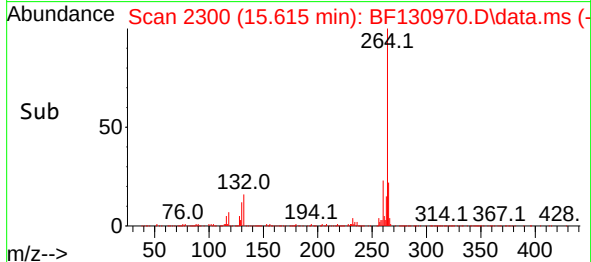
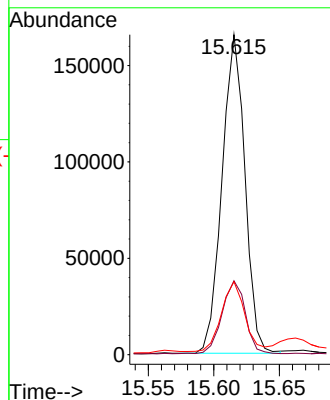
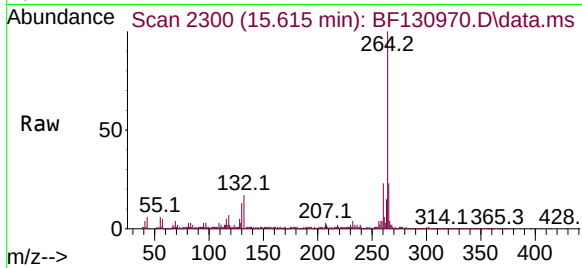




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

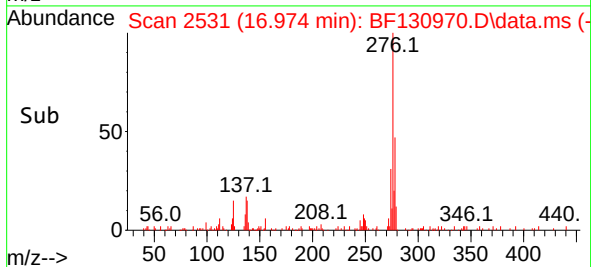
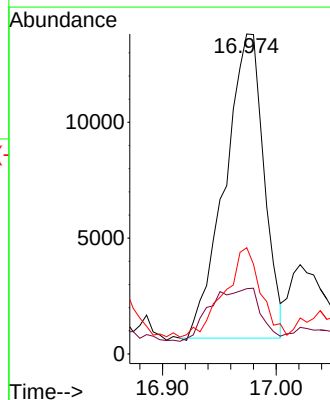
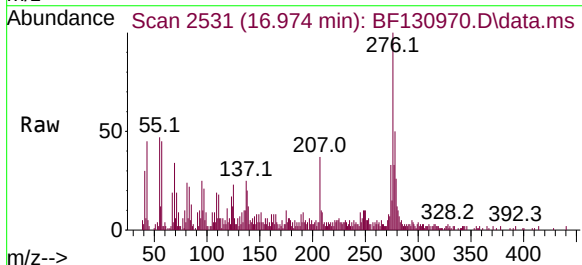
Instrument :
BNA_F
ClientSampleId :
TP-A

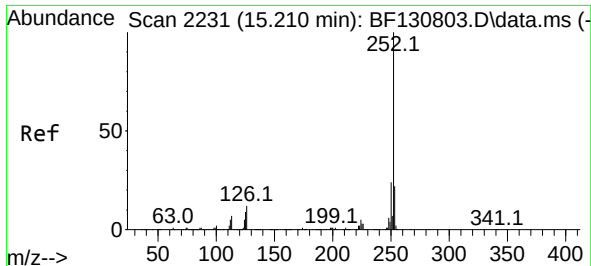
Tgt Ion:264 Resp: 200540
Ion Ratio Lower Upper
264 100
260 23.1 19.9 29.9
265 22.8 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.356 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.171 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion:276 Resp: 31379
Ion Ratio Lower Upper
276 100
138 22.5 19.1 28.7
277 27.1 20.1 30.1

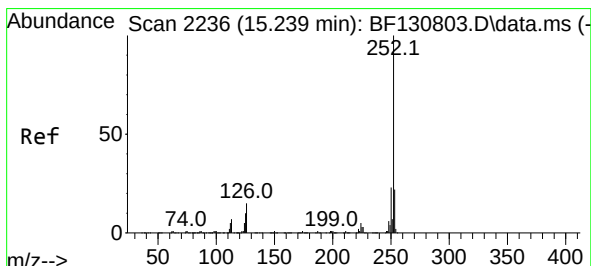
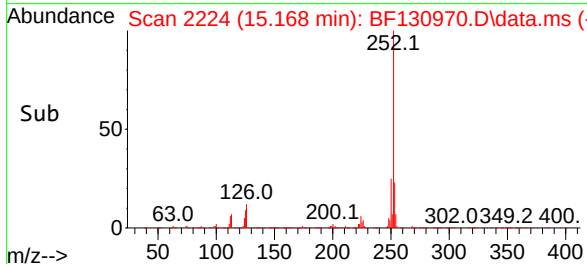
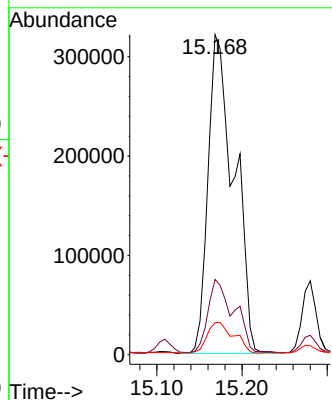
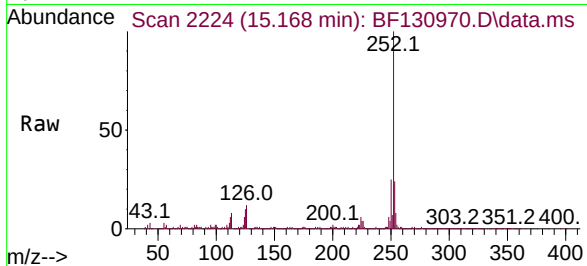




#88
Benzo(b)fluoranthene
Concen: 52.809 ng
RT: 15.168 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

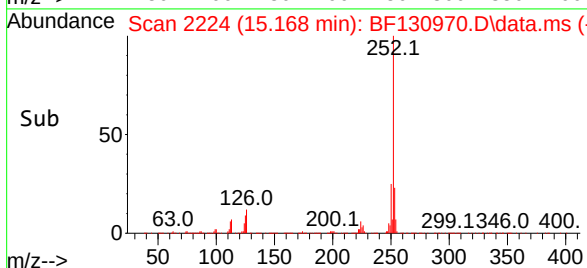
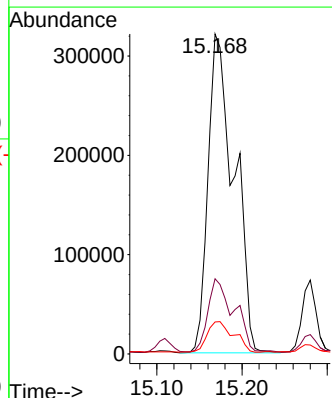
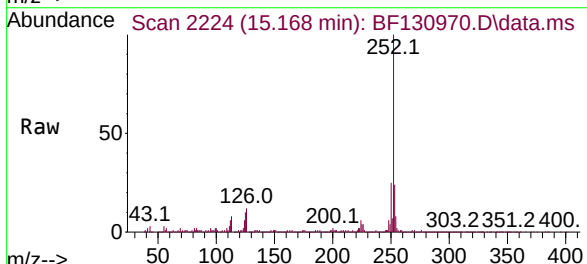
Instrument :
BNA_F
ClientSampleId :
TP-A

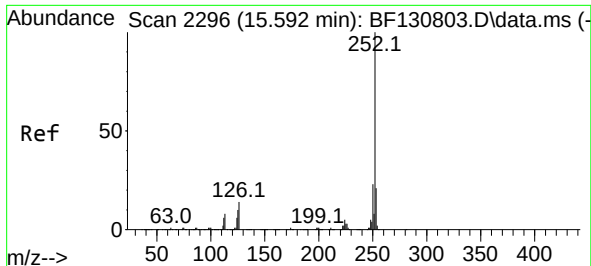
Tgt Ion:252 Resp: 684593
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.0 7.0 10.4



#89
Benzo(k)fluoranthene
Concen: 54.195 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.030 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion:252 Resp: 684593
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.0 8.0 12.0

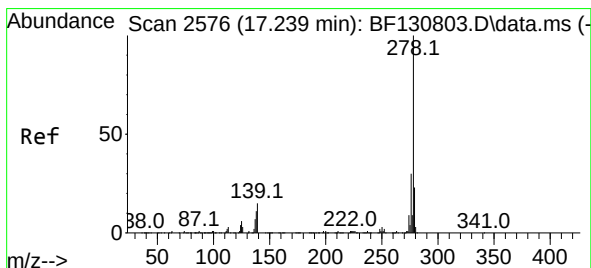
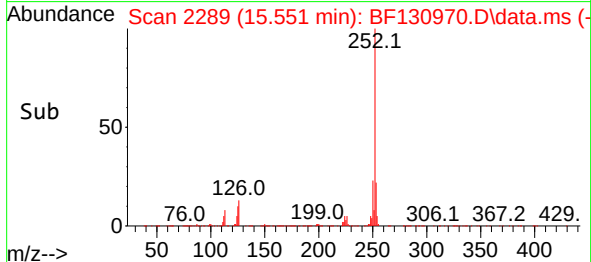
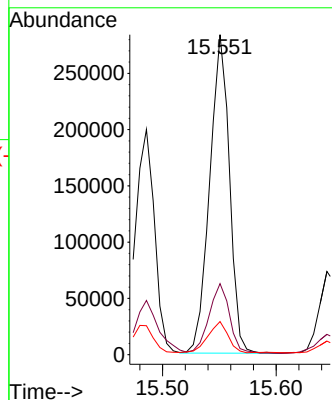
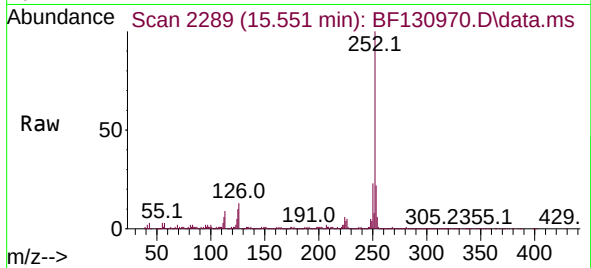




#90
Benzo(a)pyrene
Concen: 32.730 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

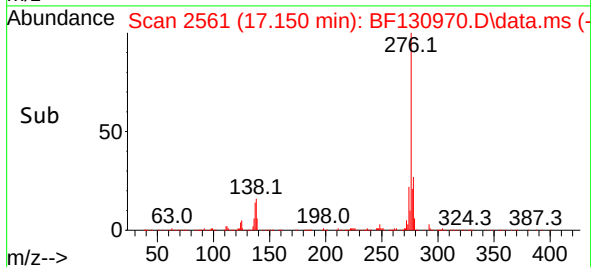
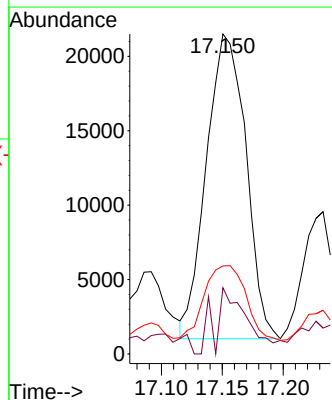
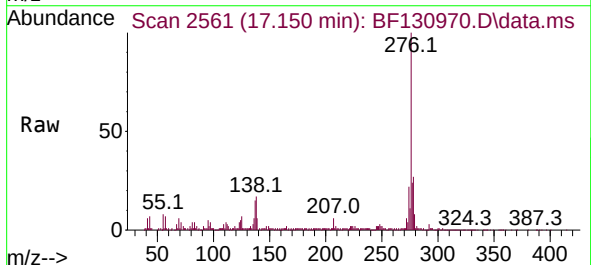
Instrument :
BNA_F
ClientSampleId :
TP-A

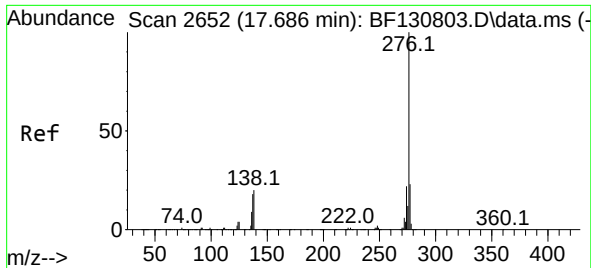
Tgt Ion:252 Resp: 341080
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 10.4 8.3 12.5



#91
Dibenzo(a,h)anthracene
Concen: 4.260 ng
RT: 17.150 min Scan# 2561
Delta R.T. -0.012 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

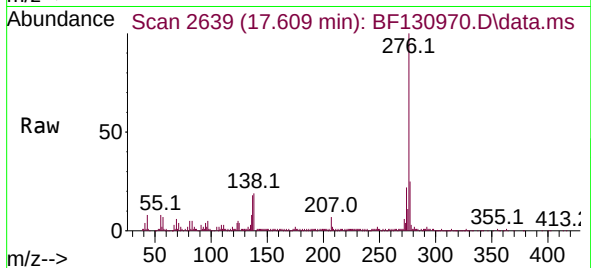
Tgt Ion:278 Resp: 46245
Ion Ratio Lower Upper
278 100
139 20.7 11.9 17.9#
279 27.5 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 13.704 ng
 RT: 17.609 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF130970.D
 Acq: 03 Nov 2022 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-A



Tgt Ion:276 Resp: 151781
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.8 28.2
 138 19.4 16.3 24.5

