

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
 Data File : BF130022.D
 Acq On : 26 Aug 2022 16:48
 Operator : CG\JU
 Sample : N4375-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Aug 27 06:09:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

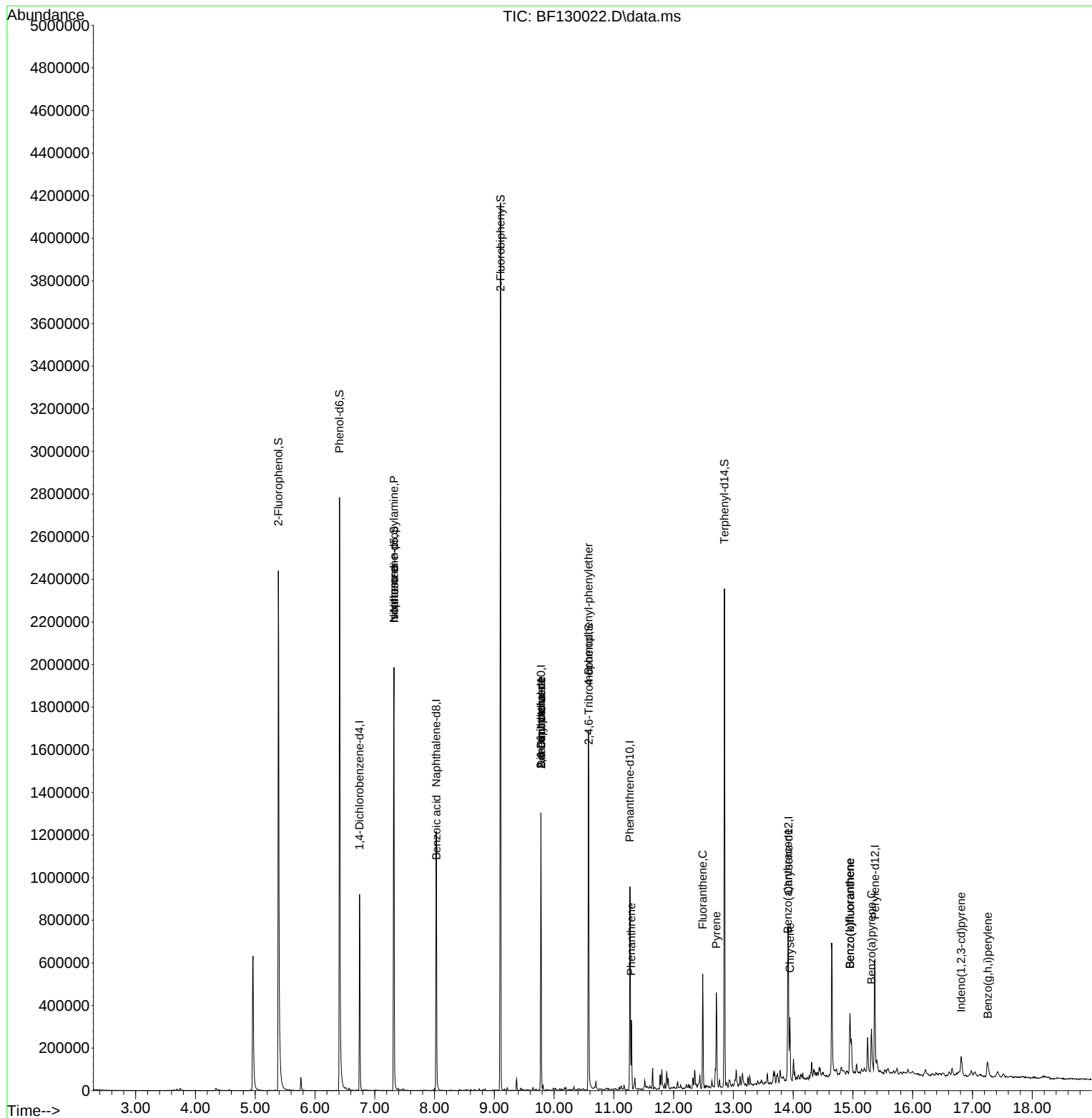
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	125074	20.000	ng	-0.01
21) Naphthalene-d8	8.028	136	479164	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	230511	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	317668	20.000	ng	-0.01
76) Chrysene-d12	13.921	240	207651	20.000	ng	0.00
86) Perylene-d12	15.368	264	234202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	758998	100.474	ng	0.00
7) Phenol-d6	6.410	99	931263	98.443	ng	-0.01
23) Nitrobenzene-d5	7.322	82	615225	68.732	ng	-0.01
42) 2,4,6-Tribromophenol	10.580	330	193073	83.454	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1079106	71.101	ng	-0.01
79) Terphenyl-d14	12.851	244	702595	56.300	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	53	Below Cal	#	27
19) n-Nitroso-di-n-propyla...	7.322	70	83343	13.938	ng	# 75
25) Isophorone	7.322	82	615225	39.934	ng	# 65
32) Benzoic acid	8.033	122	116	2.202	ng	# 1
50) Dimethylphthalate	9.780	163	40931	2.477	ng	# 1
51) 2,6-Dinitrotoluene	9.780	165	29963	8.359	ng	# 23
57) 2,4-Dinitrotoluene	9.780	165	29963	6.439	ng	# 18
67) 4-Bromophenyl-phenylether	10.574	248	12153	3.266	ng	# 1
71) Phenanthrene	11.292	178	119158	6.716	ng	99
75) Fluoranthene	12.486	202	190397	10.487	ng	99
77) Benzidine	12.851	184	10231	Below Cal	#	94
78) Pyrene	12.716	202	169175	9.375	ng	100
81) Benzo(a)anthracene	13.910	228	111315	7.793	ng	99
83) Chrysene	13.945	228	100939	7.549	ng	98
87) Indeno(1,2,3-cd)pyrene	16.809	276	58253	3.623	ng	96
88) Benzo(b)fluoranthene	14.951	252	193072	12.039	ng	99
89) Benzo(k)fluoranthene	14.951	252	193072	12.554	ng	99
90) Benzo(a)pyrene	15.309	252	98509	7.800	ng	98
92) Benzo(g,h,i)perylene	17.256	276	54886	4.147	ng	96

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

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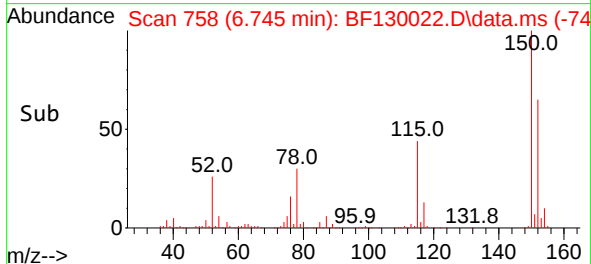
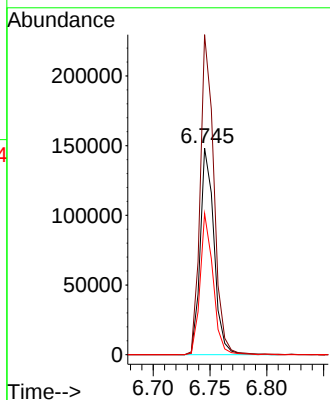
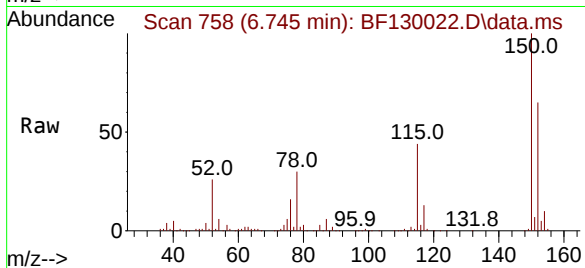




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

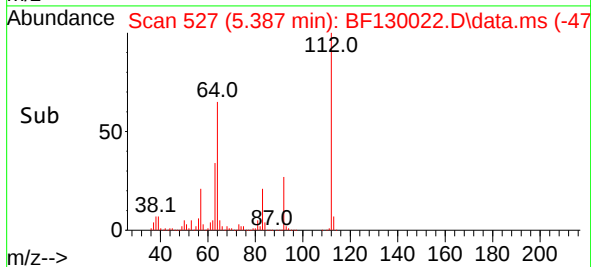
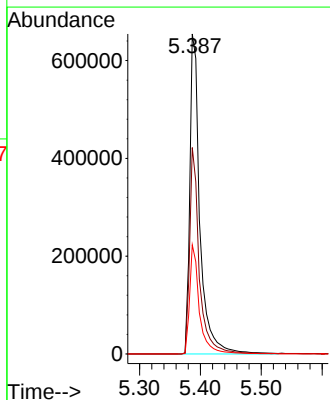
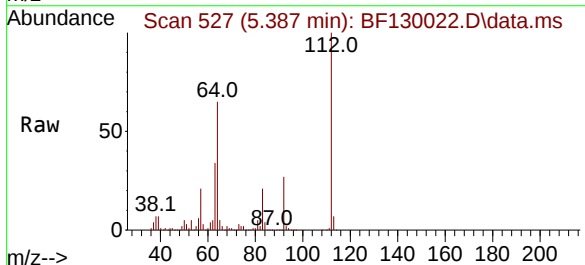
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 125074
Ion Ratio Lower Upper
152 100
150 154.9 126.9 190.3
115 68.3 53.4 80.0



#5
2-Fluorophenol
Concen: 100.474 ng
RT: 5.387 min Scan# 527
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:112 Resp: 758998
Ion Ratio Lower Upper
112 100
64 64.5 47.6 71.4
63 34.1 24.6 37.0

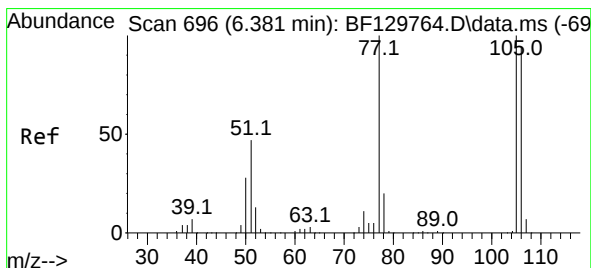
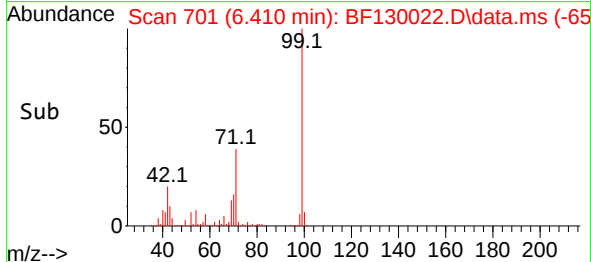
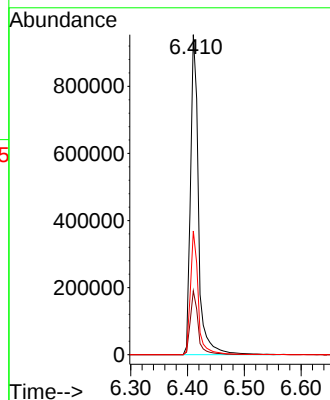
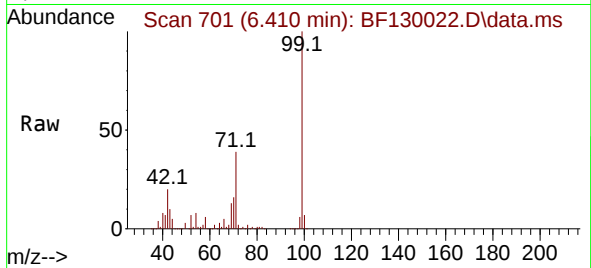




#7
Phenol-d6
Concen: 98.443 ng
RT: 6.410 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

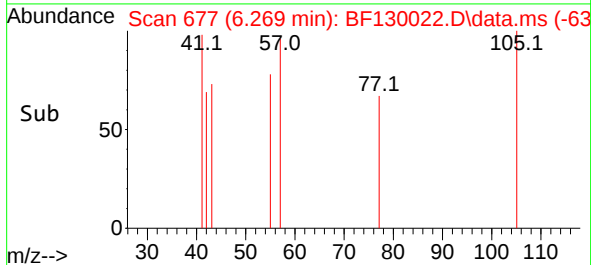
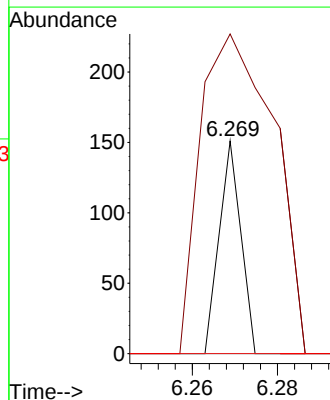
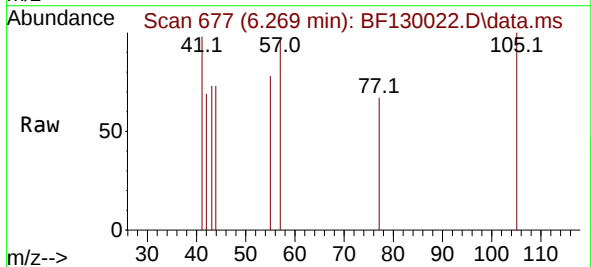
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 931263
Ion Ratio Lower Upper
99 100
42 19.9 15.0 22.4
71 38.7 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.269 min Scan# 677
Delta R.T. -0.047 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion: 77 Resp: 53
Ion Ratio Lower Upper
77 100
105 150.3 80.3 120.3#
106 0.0 74.3 114.3#

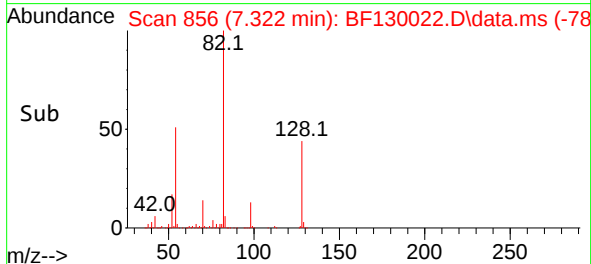
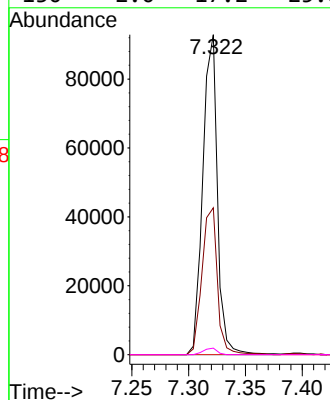
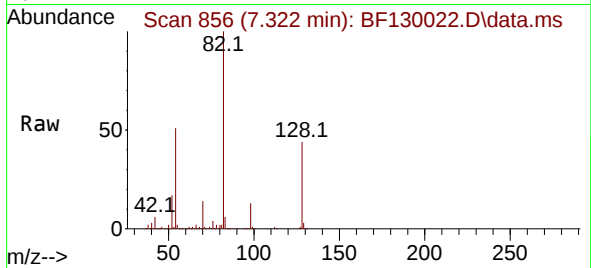




#19
n-Nitroso-di-n-propylamine
Concen: 13.938 ng
RT: 7.322 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

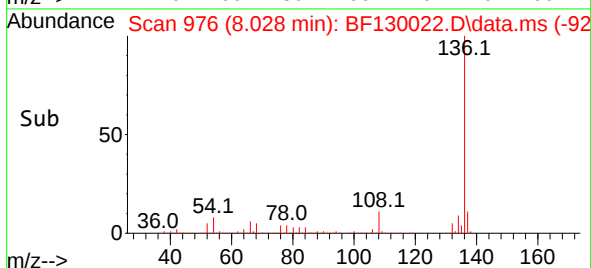
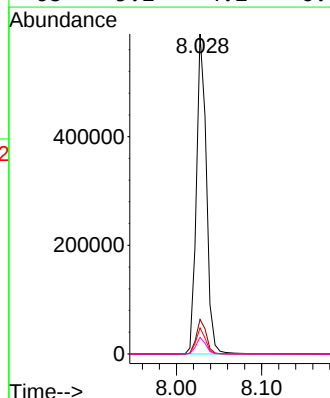
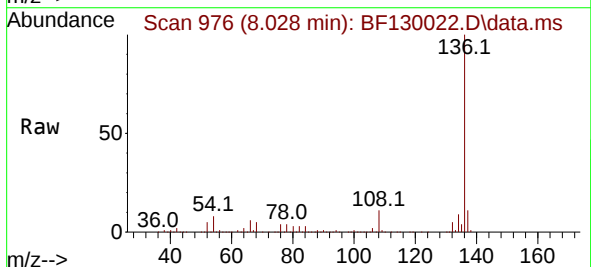
Instrument :
BNA_F
ClientSampleId :
WC-1

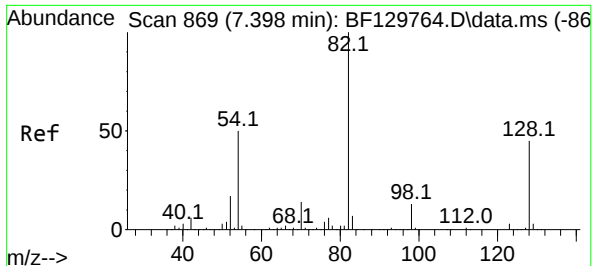
Tgt Ion: 70 Resp: 83343
Ion Ratio Lower Upper
70 100
42 45.9 47.6 71.4#
101 0.0 8.1 12.1#
130 2.0 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion: 136 Resp: 479164
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.1 6.2 9.2
68 5.2 4.2 6.4

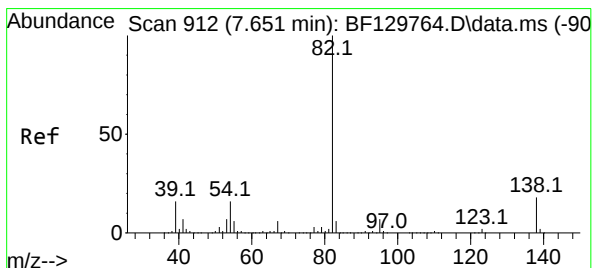
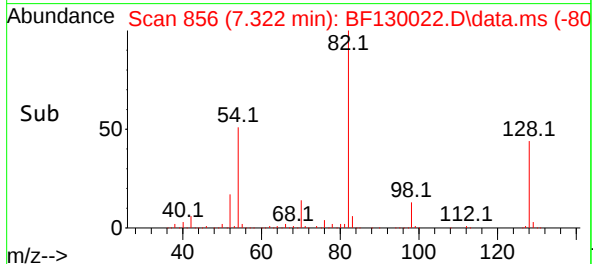
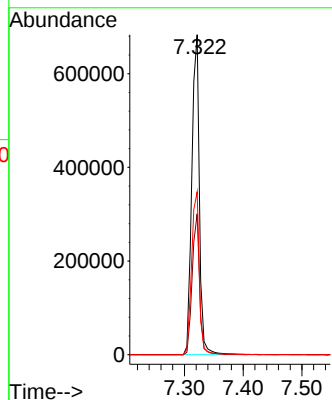
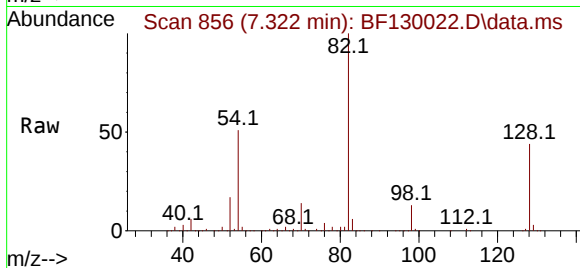




#23
Nitrobenzene-d5
Concen: 68.732 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

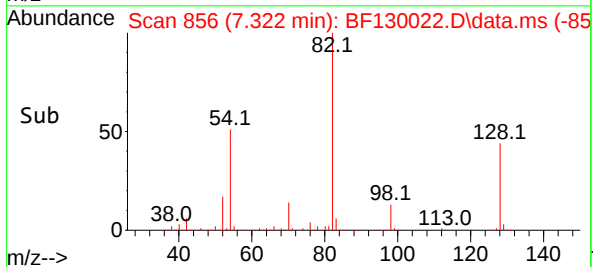
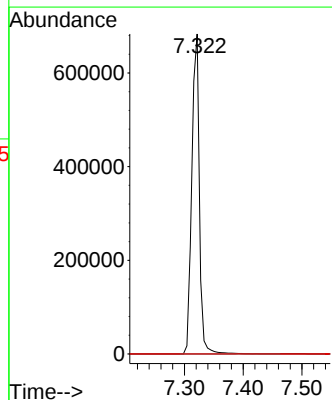
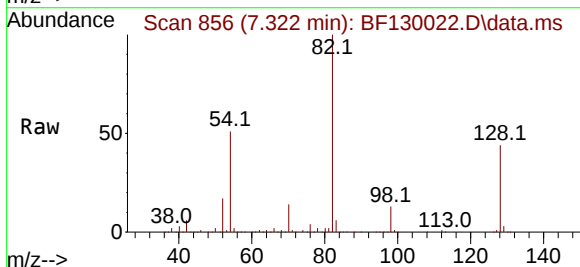
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 615225
Ion Ratio Lower Upper
82 100
128 44.1 36.1 54.1
54 50.9 40.0 60.0



#25
Isophorone
Concen: 39.934 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.265 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion: 82 Resp: 615225
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

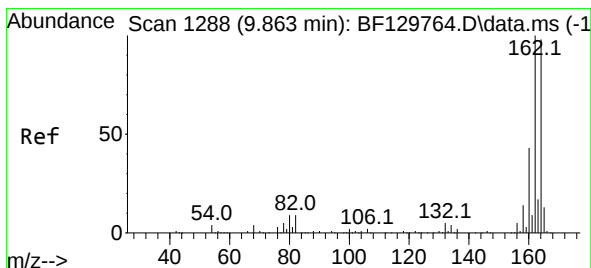
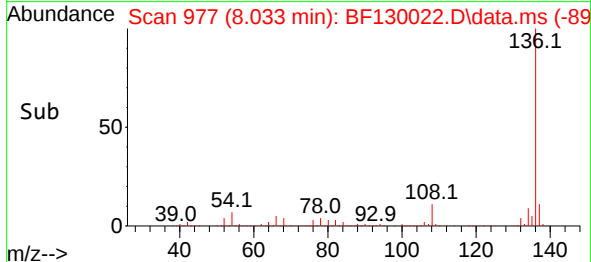
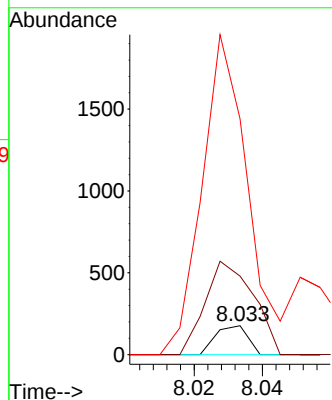
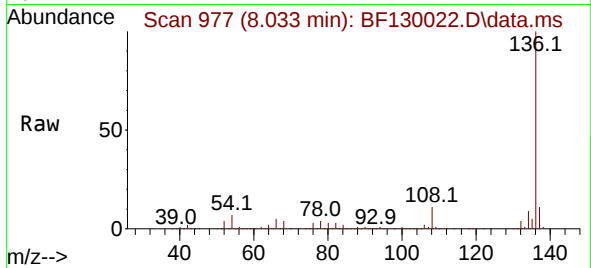




#32
Benzoic acid
Concen: 2.202 ng
RT: 8.033 min Scan# 91
Delta R.T. 0.170 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

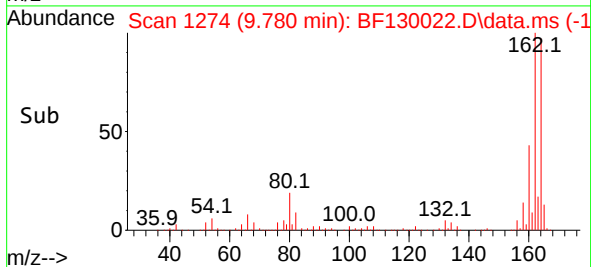
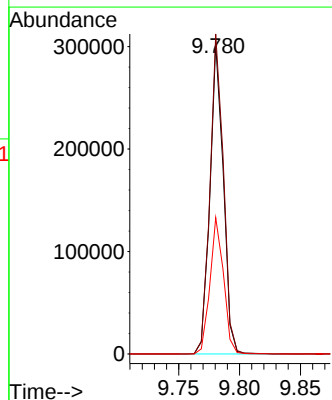
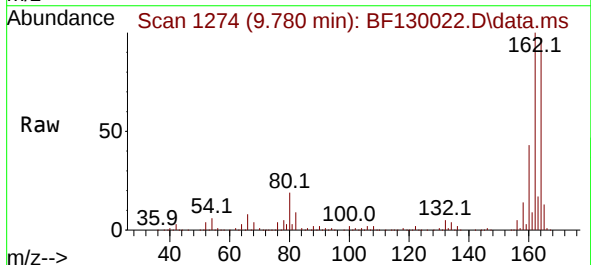
Instrument :
BNA_F
ClientSampleId :
WC-1

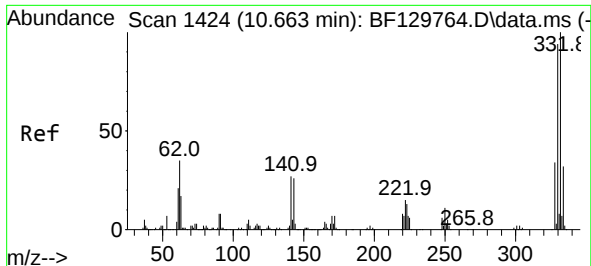
Tgt Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 271.2 99.9 139.9#
77 814.1 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1274
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:164 Resp: 230511
Ion Ratio Lower Upper
164 100
162 103.2 82.0 123.0
160 43.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 83.454 ng

RT: 10.580 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF130022.D

Acq: 26 Aug 2022 16:48

Instrument :

BNA_F

ClientSampleId :

WC-1

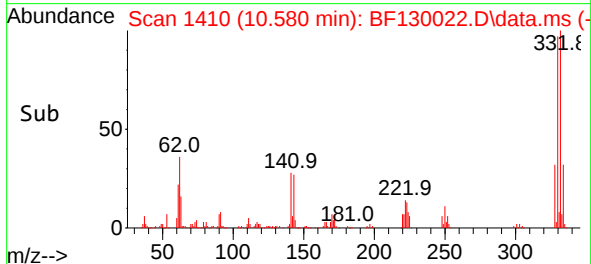
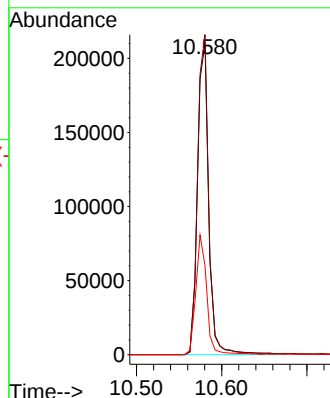
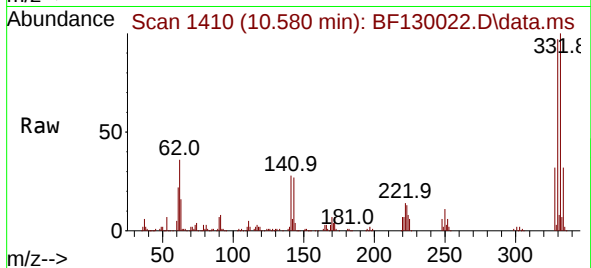
Tgt Ion:330 Resp: 193073

Ion Ratio Lower Upper

330 100

332 102.7 82.6 124.0

141 37.4 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 71.101 ng

RT: 9.104 min Scan# 1159

Delta R.T. -0.012 min

Lab File: BF130022.D

Acq: 26 Aug 2022 16:48

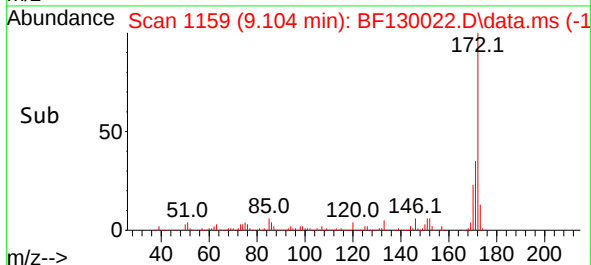
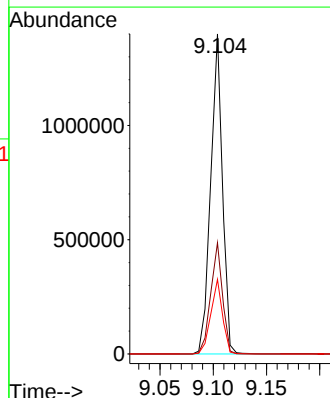
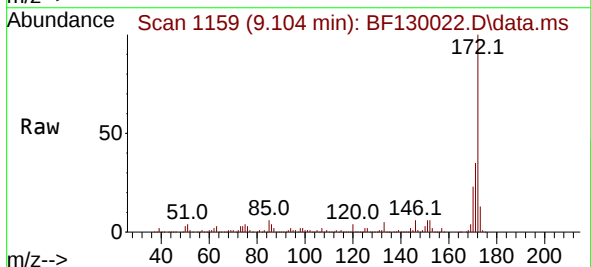
Tgt Ion:172 Resp: 1079106

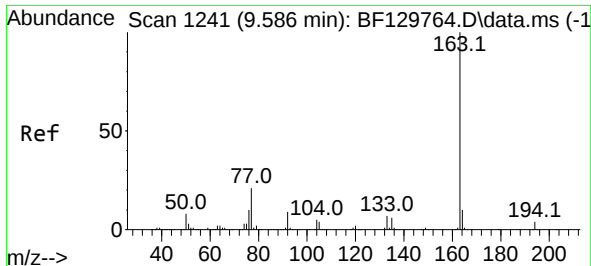
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.3 19.1 28.7

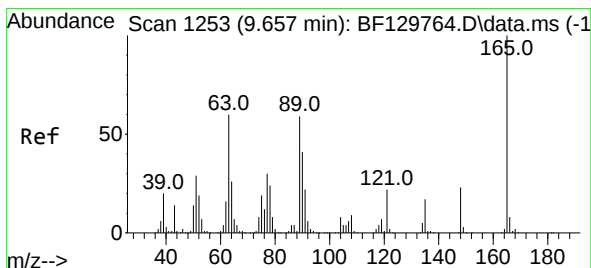
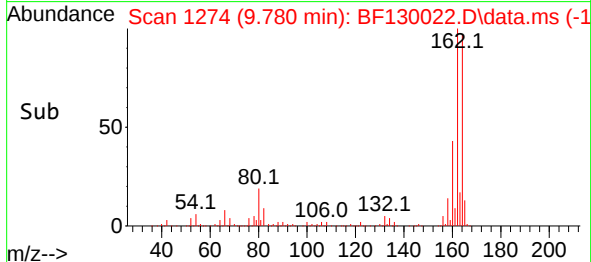
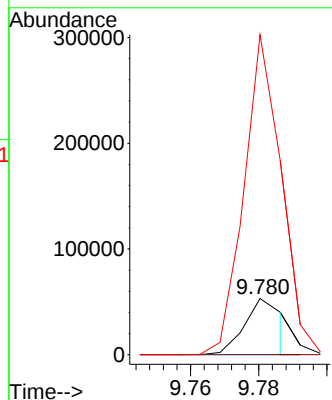
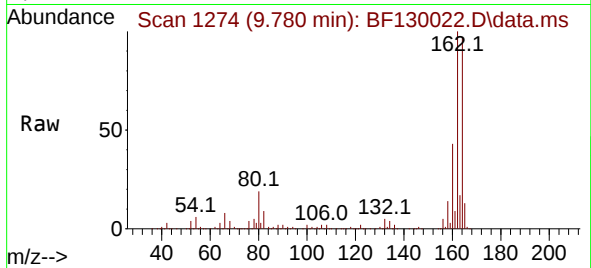




#50
Dimethylphthalate
Concen: 2.477 ng
RT: 9.780 min Scan# 1274
Delta R.T. 0.259 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

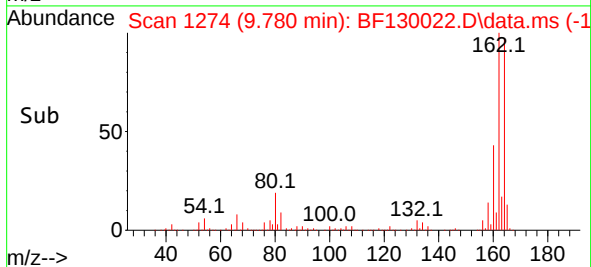
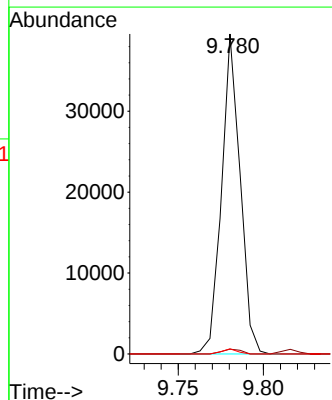
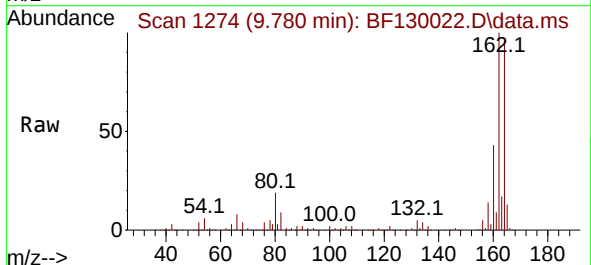
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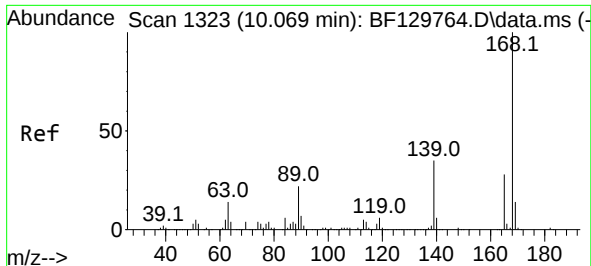
Tgt Ion:163 Resp: 40931
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 570.5 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.359 ng
RT: 9.780 min Scan# 1274
Delta R.T. 0.188 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:165 Resp: 29963
Ion Ratio Lower Upper
165 100
63 1.5 47.8 71.8#
89 1.6 47.2 70.8#

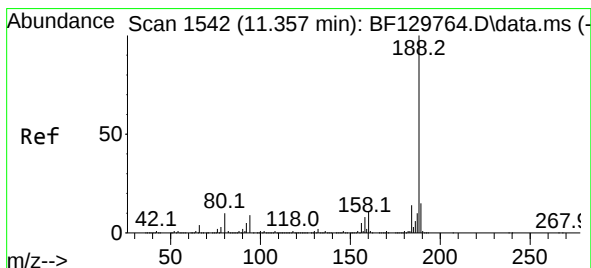
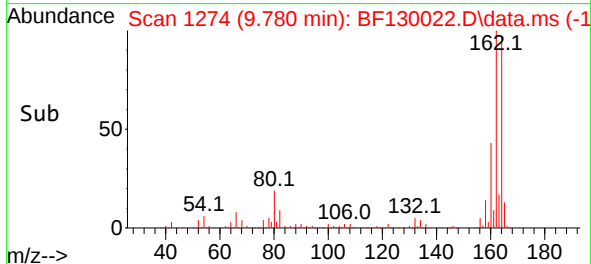
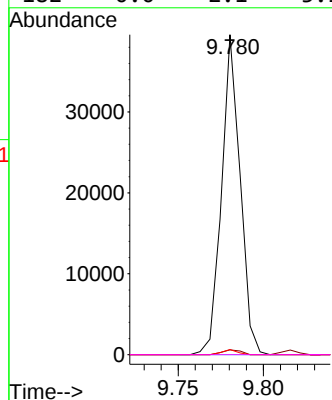
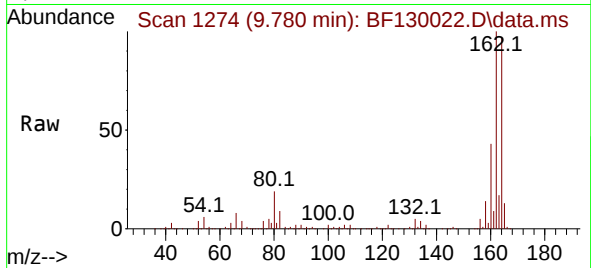




#57
2,4-Dinitrotoluene
Concen: 6.439 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

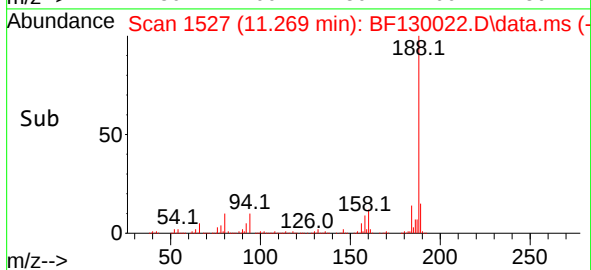
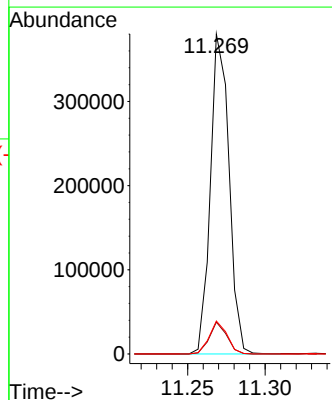
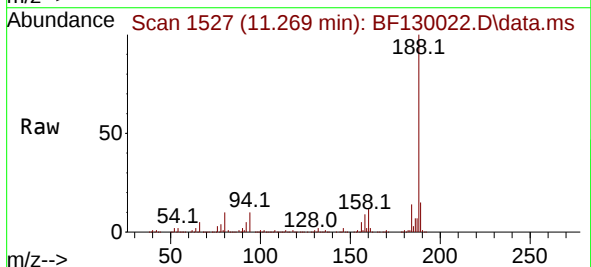
Instrument :
BNA_F
ClientSampleId :
WC-1

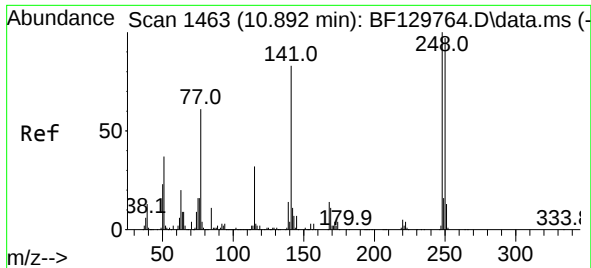
Tgt Ion:165	Resp:	29963
Ion Ratio	Lower	Upper
165	100	
63	1.5	48.4 72.6#
89	1.6	62.3 93.5#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1527
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:188	Resp:	317668
Ion Ratio	Lower	Upper
188	100	
94	10.0	7.4 11.2
80	10.3	7.9 11.9

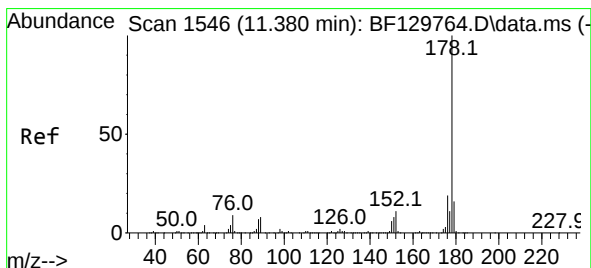
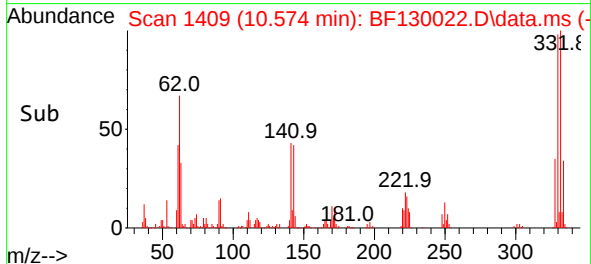
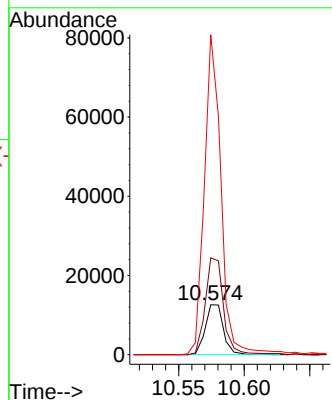
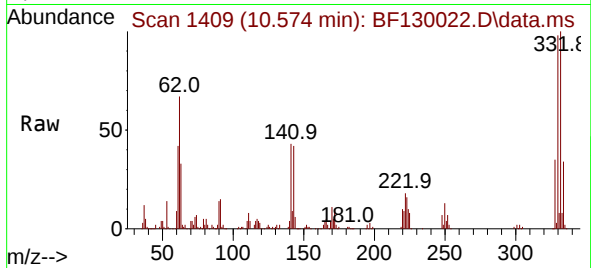




#67
4-Bromophenyl-phenylether
Concen: 3.266 ng
RT: 10.574 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

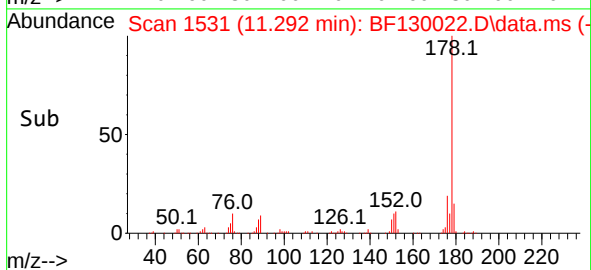
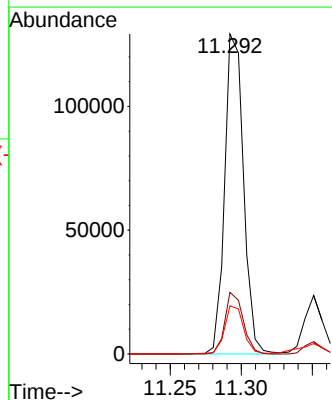
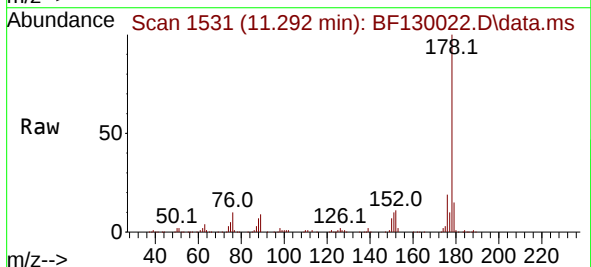
Instrument :
BNA_F
ClientSampleId :
WC-1

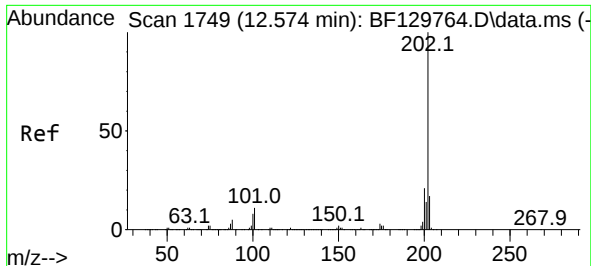
Tgt Ion:248 Resp: 12153
Ion Ratio Lower Upper
248 100
250 194.0 77.8 116.6#
141 641.1 66.2 99.2#



#71
Phenanthrene
Concen: 6.716 ng
RT: 11.292 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:178 Resp: 119158
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.1 12.5 18.7

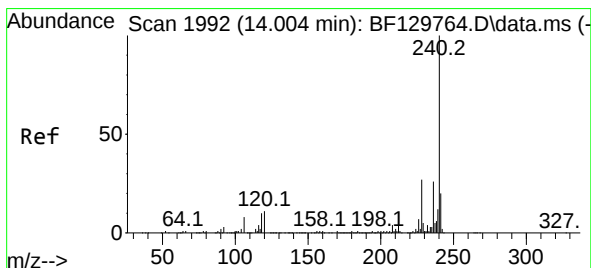
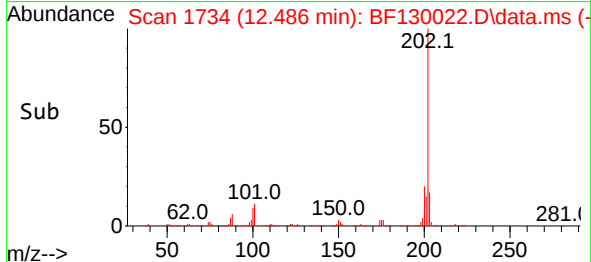
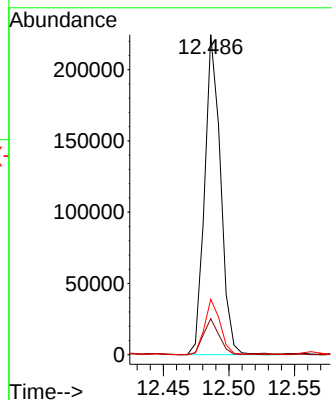
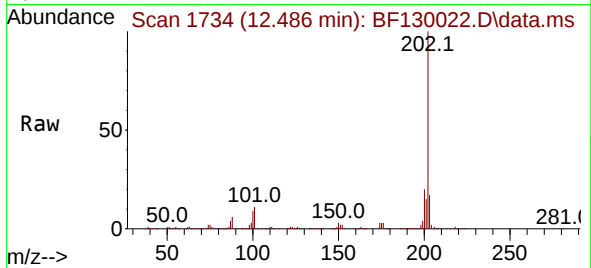




#75
Fluoranthene
Concen: 10.487 ng
RT: 12.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

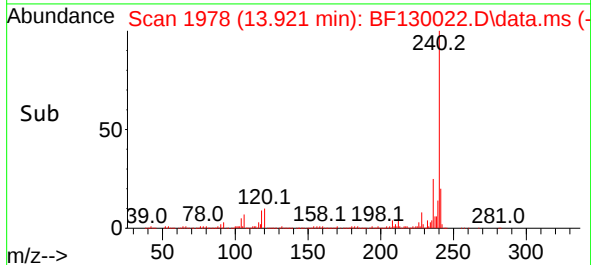
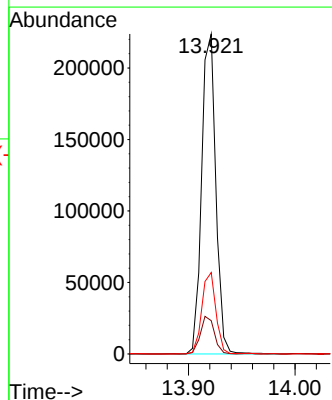
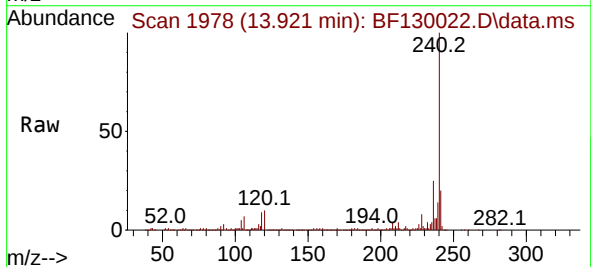
Instrument :
BNA_F
ClientSampleId :
WC-1

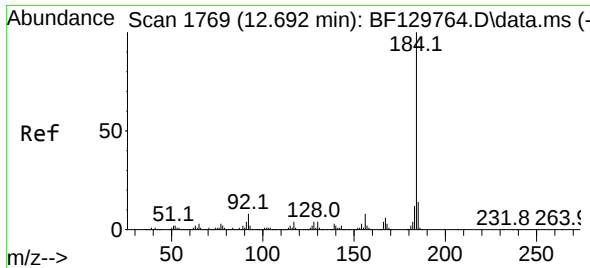
Tgt Ion:202 Resp: 190397
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.7
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:240 Resp: 207651
Ion Ratio Lower Upper
240 100
120 10.4 9.2 13.8
236 25.5 20.7 31.1

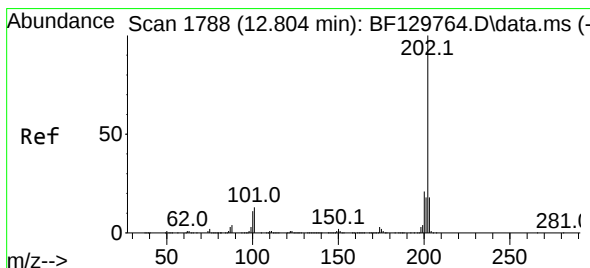
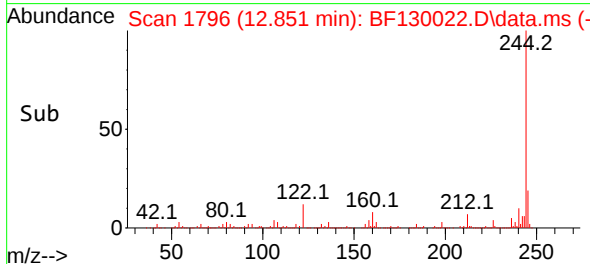
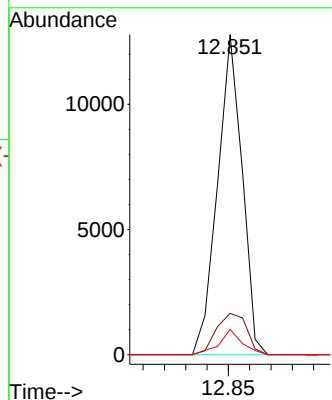
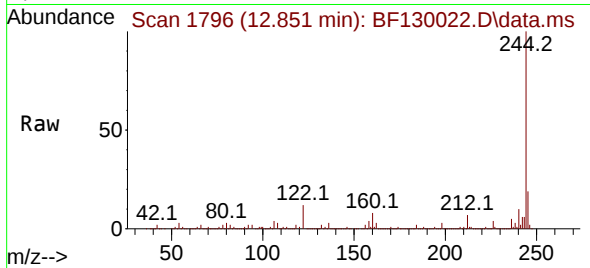




#77
Benzidine
Concen: Below Cal
RT: 12.851 min Scan# 1773
Delta R.T. 0.229 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

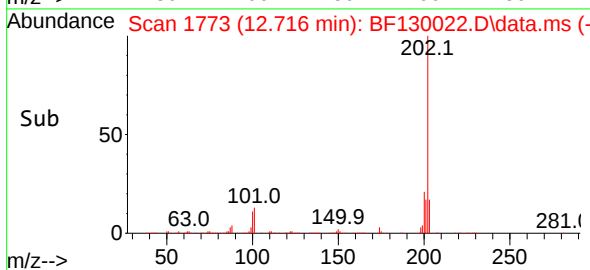
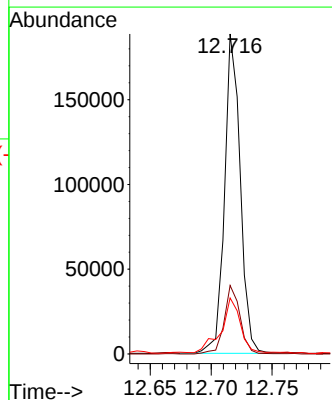
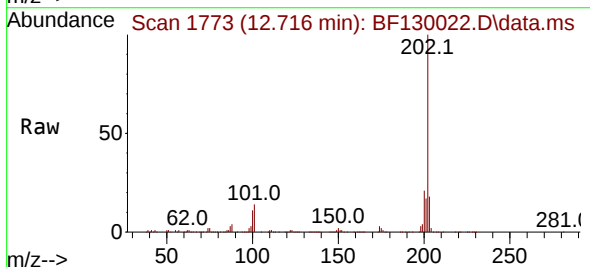
Instrument :
BNA_F
ClientSampleId :
WC-1

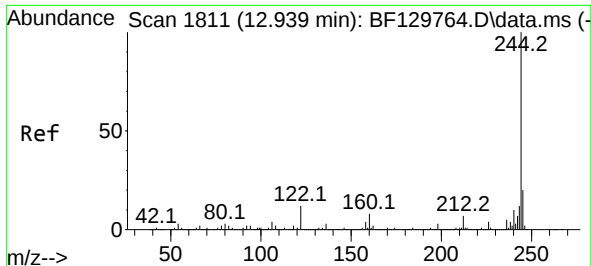
Tgt Ion:184 Resp: 10231
Ion Ratio Lower Upper
184 100
185 12.9 11.4 17.2
183 7.9 9.4 14.2#



#78
Pyrene
Concen: 9.375 ng
RT: 12.716 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:202 Resp: 169175
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 17.5 14.1 21.1

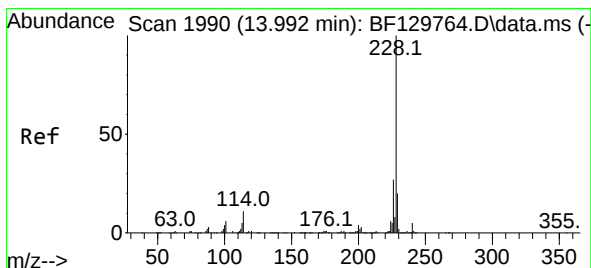
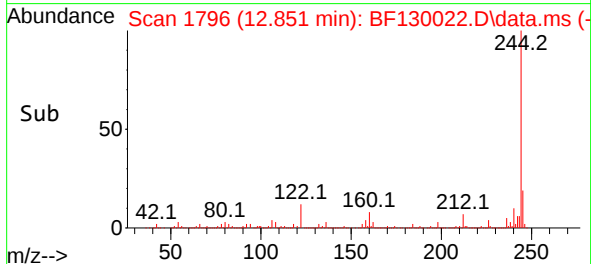
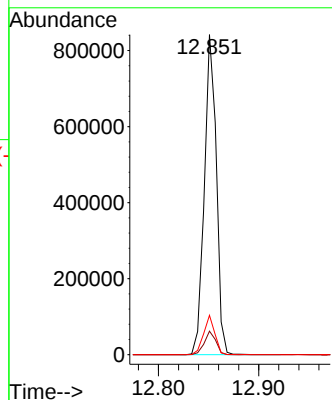
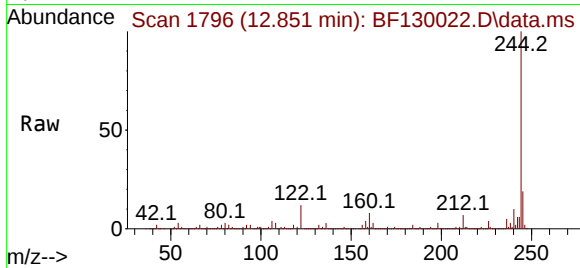




#79
 Terphenyl-d14
 Concen: 56.300 ng
 RT: 12.851 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF130022.D
 Acq: 26 Aug 2022 16:48

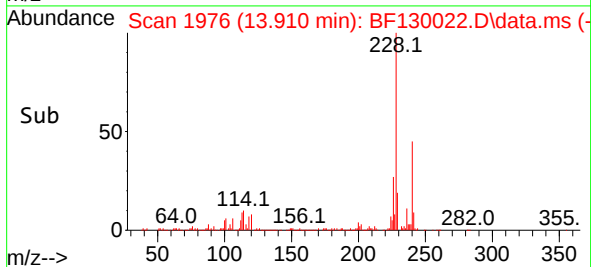
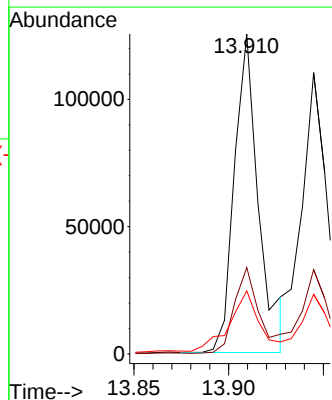
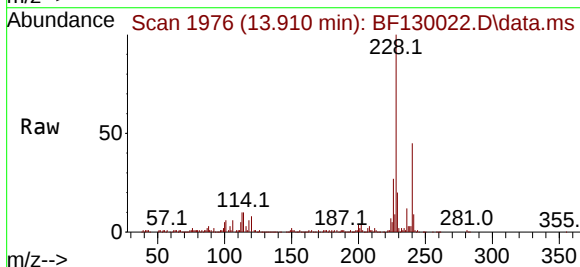
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

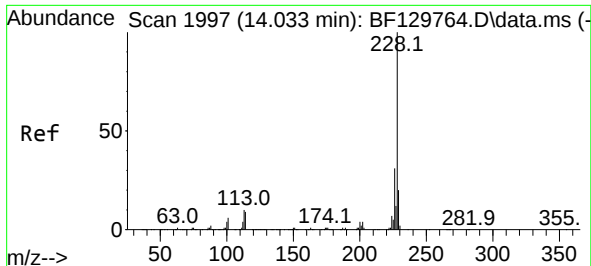
Tgt Ion:244 Resp: 702595
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 12.3 9.9 14.9



#81
 Benzo(a)anthracene
 Concen: 7.793 ng
 RT: 13.910 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: BF130022.D
 Acq: 26 Aug 2022 16:48

Tgt Ion:228 Resp: 111315
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.4 32.0
 229 19.7 16.1 24.1





#83

Chrysene

Concen: 7.549 ng

RT: 13.945 min Scan# 1997

Delta R.T. -0.006 min

Lab File: BF130022.D

Acq: 26 Aug 2022 16:48

Instrument :

BNA_F

ClientSampleId :

WC-1

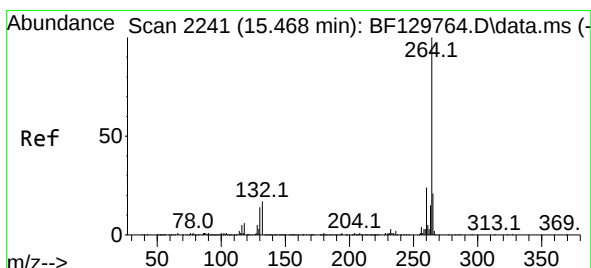
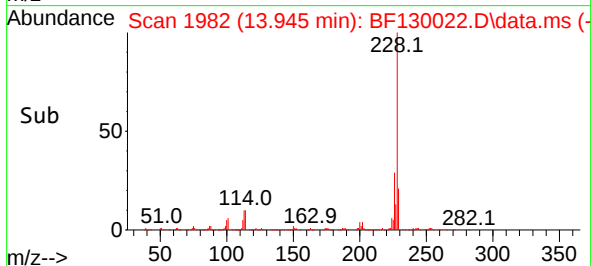
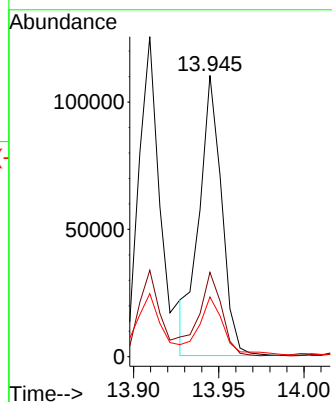
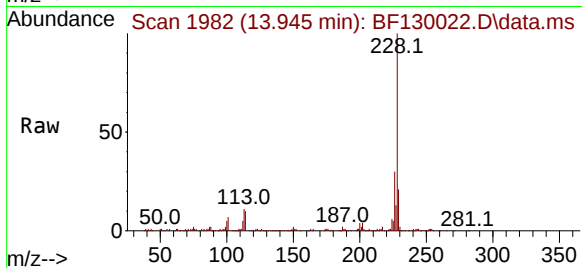
Tgt Ion:228 Resp: 100939

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 21.2 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.368 min Scan# 2224

Delta R.T. -0.000 min

Lab File: BF130022.D

Acq: 26 Aug 2022 16:48

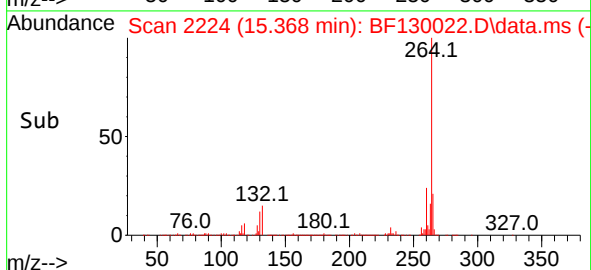
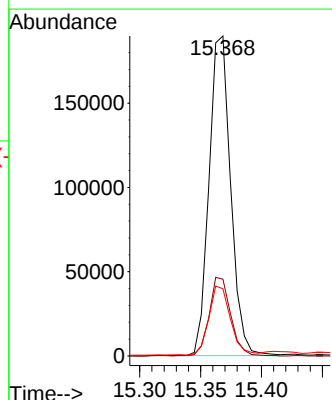
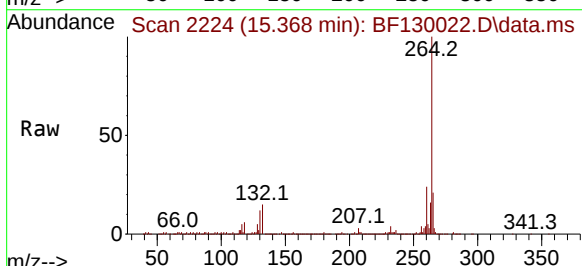
Tgt Ion:264 Resp: 234202

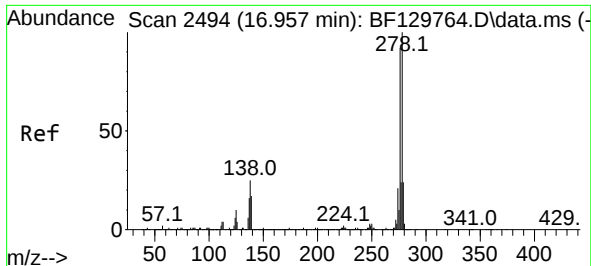
Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 21.0 16.7 25.1

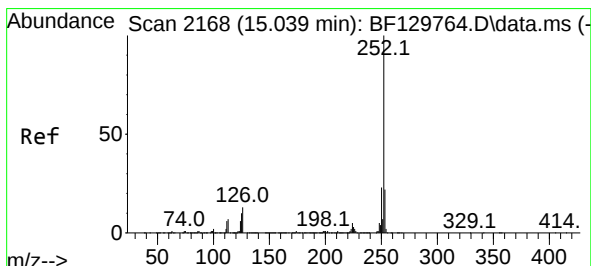
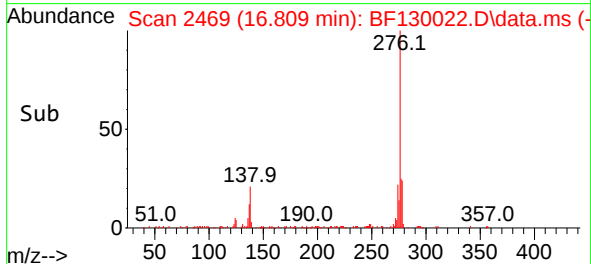
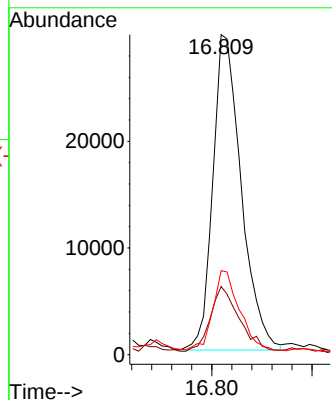
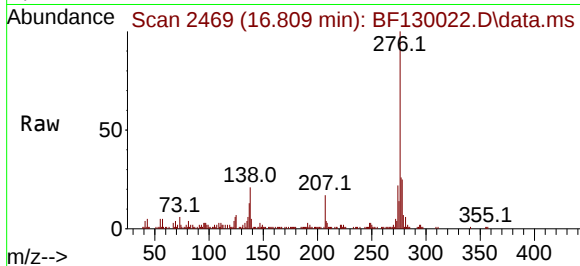




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.623 ng
RT: 16.809 min Scan# 2494
Delta R.T. -0.006 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

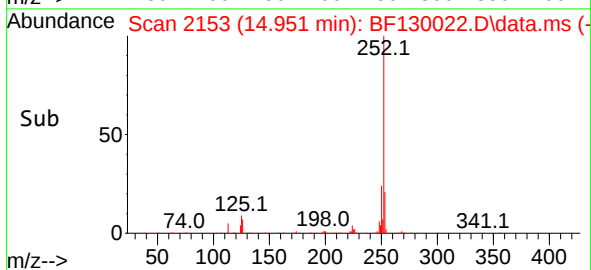
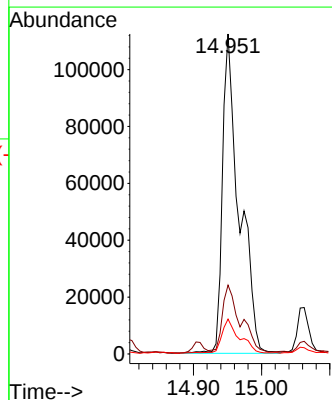
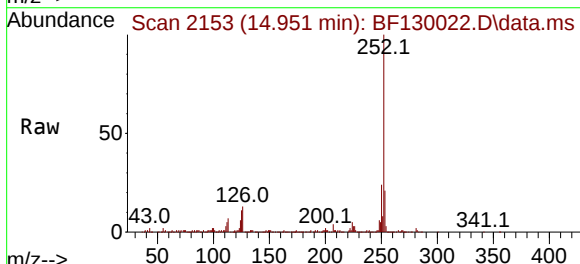
Instrument :
BNA_F
ClientSampleId :
WC-1

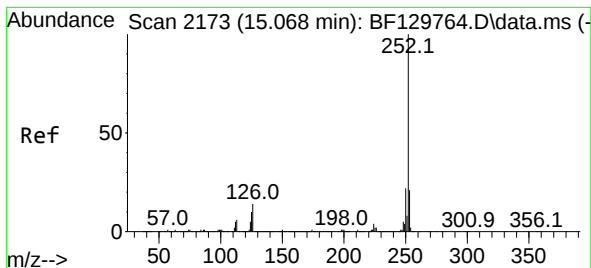
Tgt Ion:276 Resp: 58253
Ion Ratio Lower Upper
276 100
138 21.5 19.8 29.8
277 24.6 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 12.039 ng
RT: 14.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF130022.D
Acq: 26 Aug 2022 16:48

Tgt Ion:252 Resp: 193072
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.9 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 12.554 ng

RT: 14.951 min Scan# 2115

Delta R.T. -0.030 min

Lab File: BF130022.D

Acq: 26 Aug 2022 16:48

Instrument :

BNA_F

ClientSampleId :

WC-1

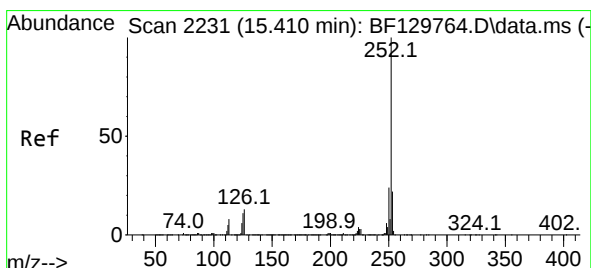
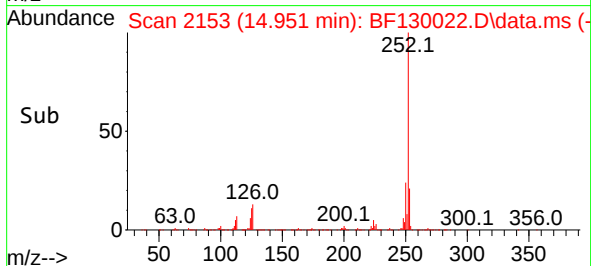
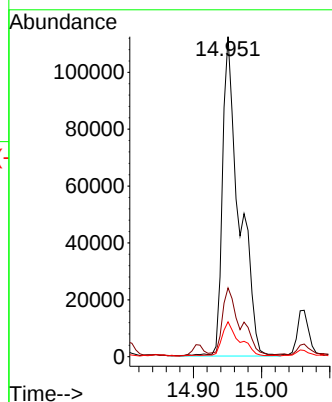
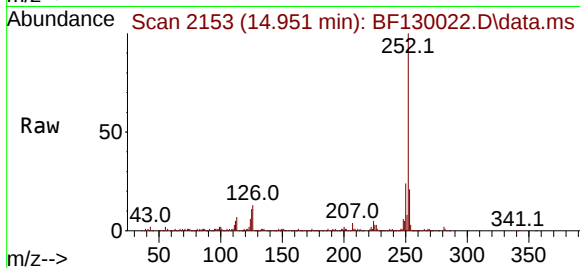
Tgt Ion:252 Resp: 193072

Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 10.9 8.3 12.5



#90

Benzo(a)pyrene

Concen: 7.800 ng

RT: 15.309 min Scan# 2214

Delta R.T. -0.000 min

Lab File: BF130022.D

Acq: 26 Aug 2022 16:48

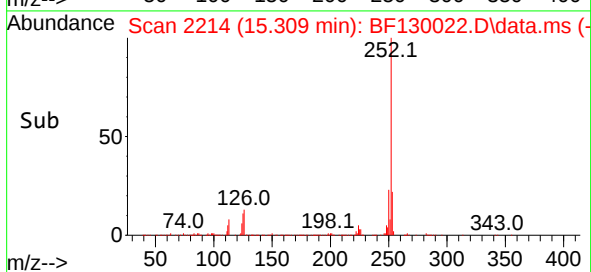
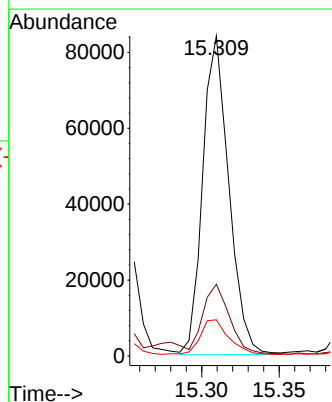
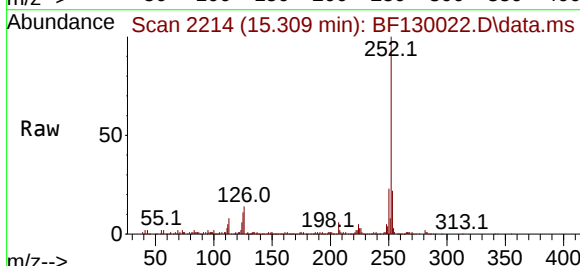
Tgt Ion:252 Resp: 98509

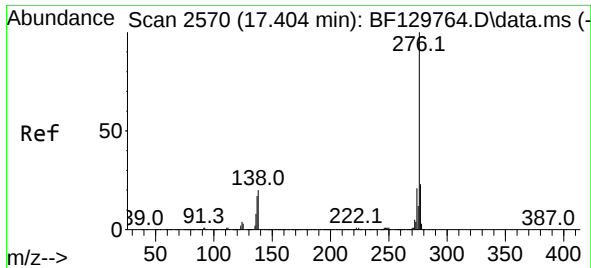
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

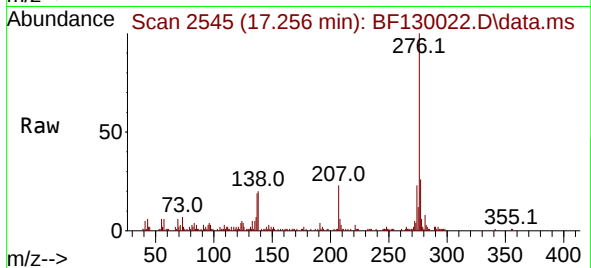
125 11.3 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.147 ng
 RT: 17.256 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF130022.D
 Acq: 26 Aug 2022 16:48

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:	276	Resp:	54886
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.2	27.4
138	20.2	15.8	23.8

