

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130856.D
 Acq On : 29 Oct 2022 14:43
 Operator : CG\JU
 Sample : N5332-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-4-WC

Quant Time: Oct 30 23:23:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

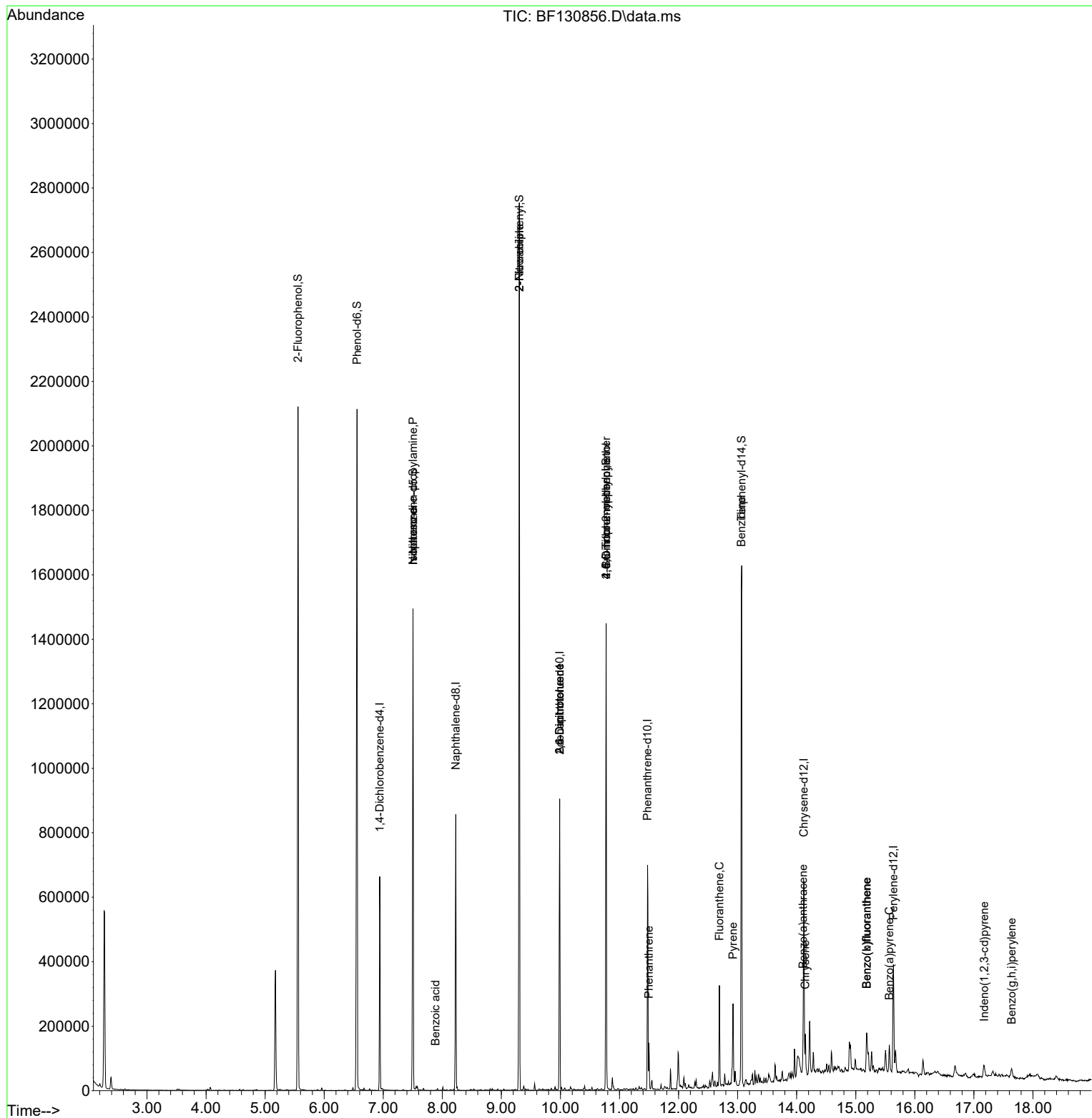
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	84754	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	322185	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	158769	20.000	ng	-0.01
64) Phenanthrene-d10	11.475	188	242148	20.000	ng	-0.01
76) Chrysene-d12	14.121	240	170080	20.000	ng	-0.01
86) Perylene-d12	15.639	264	142979	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	524174	107.218	ng	0.00
7) Phenol-d6	6.557	99	689830	108.582	ng	0.00
23) Nitrobenzene-d5	7.504	82	435147	81.440	ng	-0.01
42) 2,4,6-Tribromophenol	10.775	330	136803	102.358	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	746162	71.054	ng	0.00
79) Terphenyl-d14	13.069	244	542916	58.494	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	59737	13.820	ng	# 82
25) Isophorone	7.504	82	435139	39.492	ng	# 66
32) Benzoic acid	7.887	122	73	7.699	ng	# 26
48) 2-Nitroaniline	9.304	65	1495	4.615	ng	# 1
51) 2,6-Dinitrotoluene	9.986	165	19634	11.710	ng	# 14
57) 2,4-Dinitrotoluene	9.986	165	19634	10.663	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.775	198	436	8.288	ng	# 1
67) 4-Bromophenyl-phenylether	10.775	248	9469	3.888	ng	# 1
71) Phenanthrene	11.498	178	46519	3.722	ng	99
75) Fluoranthene	12.692	202	105699	7.960	ng	98
77) Benzidine	13.063	184	8917	2.160	ng	# 87
78) Pyrene	12.921	202	93661	6.527	ng	99
81) Benzo(a)anthracene	14.110	228	47850	4.243	ng	99
83) Chrysene	14.145	228	50363	4.630	ng	98
87) Indeno(1,2,3-cd)pyrene	17.174	276	23831	2.510	ng	96
88) Benzo(b)fluoranthene	15.186	252	84744	9.169	ng	# 95
89) Benzo(k)fluoranthene	15.186	252	84744	9.409	ng	96
90) Benzo(a)pyrene	15.568	252	38986	5.247	ng	96
92) Benzo(g,h,i)perylene	17.639	276	23291	2.949	ng	97

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

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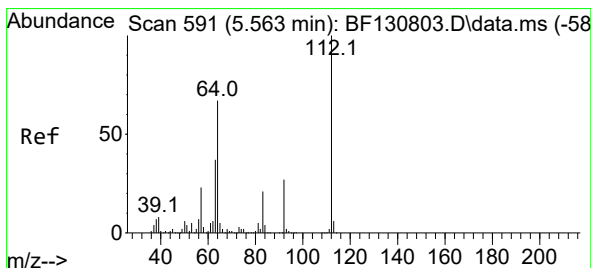
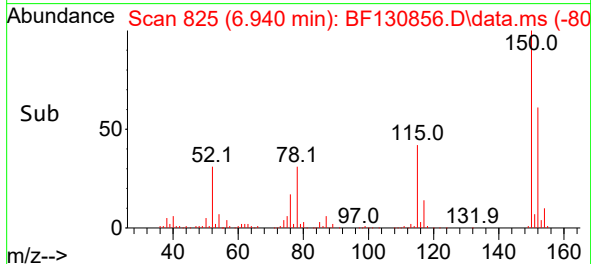
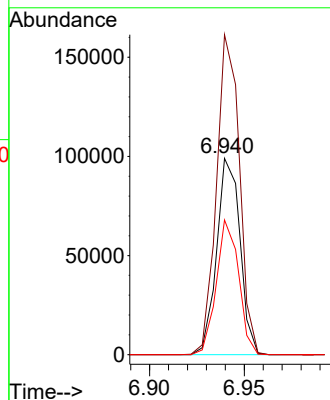
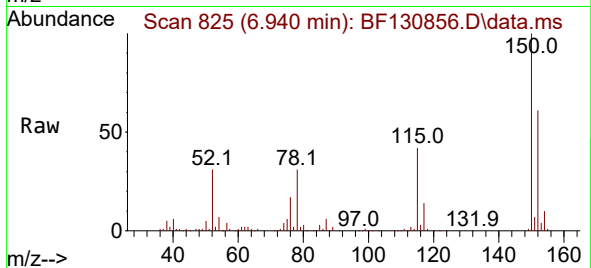




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

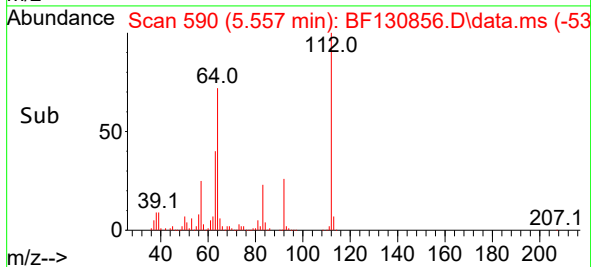
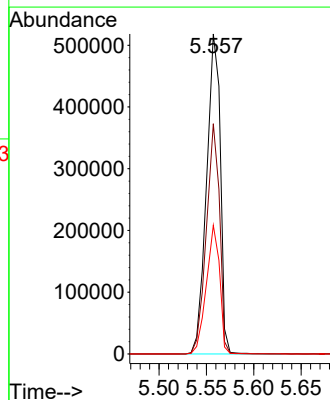
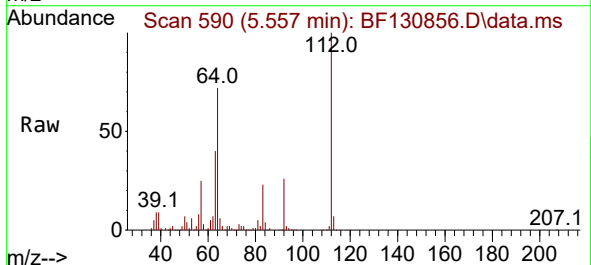
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

Tgt Ion:152 Resp: 84754
Ion Ratio Lower Upper
152 100
150 163.0 124.1 186.1
115 68.6 50.1 75.1



#5
2-Fluorophenol
Concen: 107.218 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:112 Resp: 524174
Ion Ratio Lower Upper
112 100
64 72.0 53.9 80.9
63 40.2 29.4 44.2

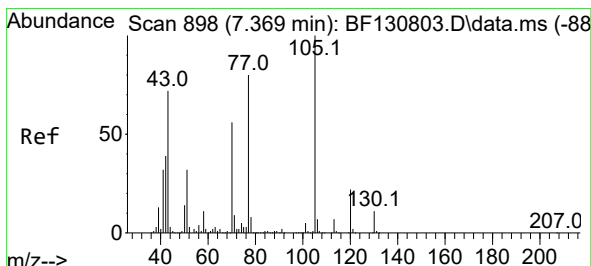
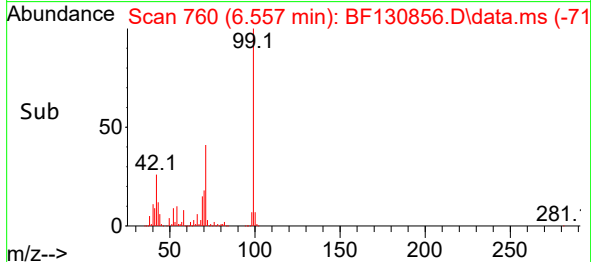
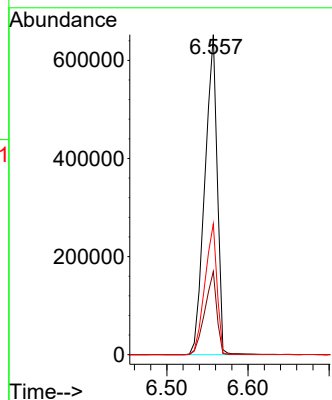
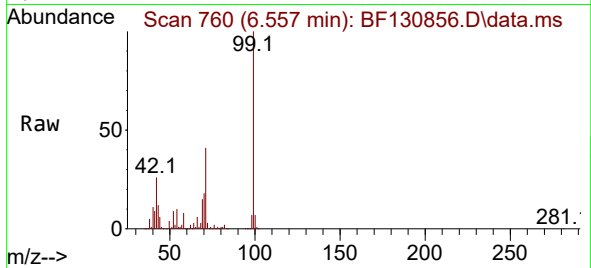




#7
Phenol-d6
Concen: 108.582 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

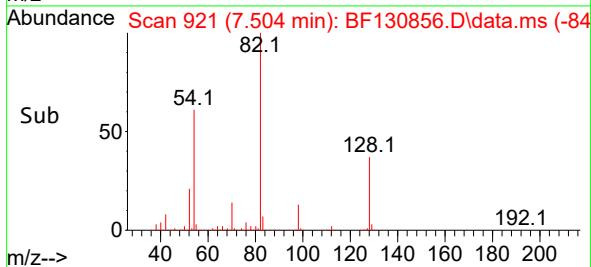
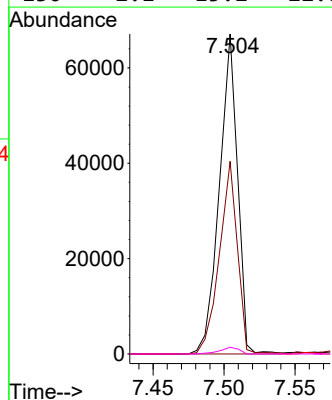
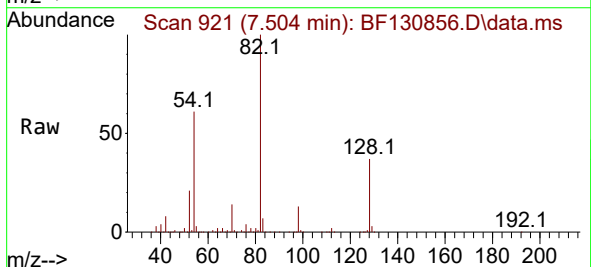
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

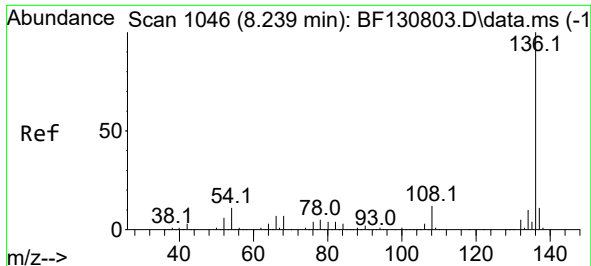
Tgt Ion: 99 Resp: 689830
Ion Ratio Lower Upper
99 100
42 26.0 18.8 28.2
71 40.9 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.820 ng
RT: 7.504 min Scan# 921
Delta R.T. 0.141 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion: 70 Resp: 59737
Ion Ratio Lower Upper
70 100
42 60.2 56.1 84.1
101 0.0 7.3 10.9#
130 2.1 15.2 22.8#

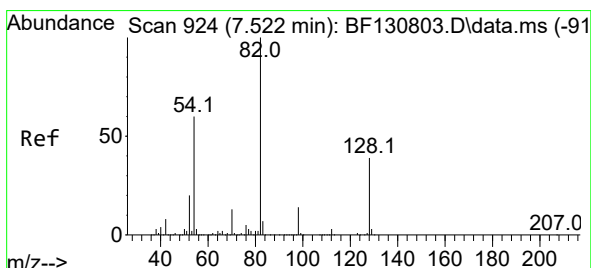
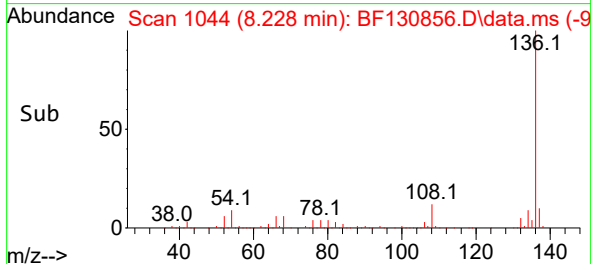
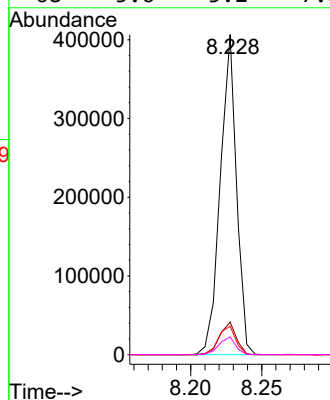
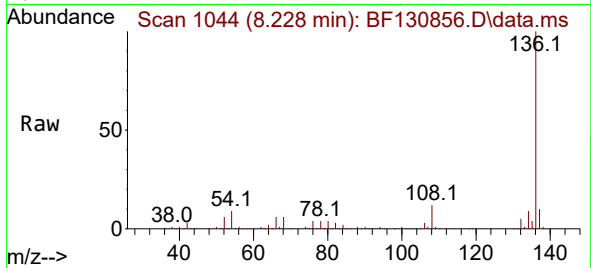




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

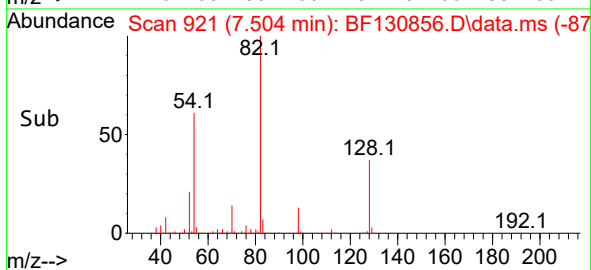
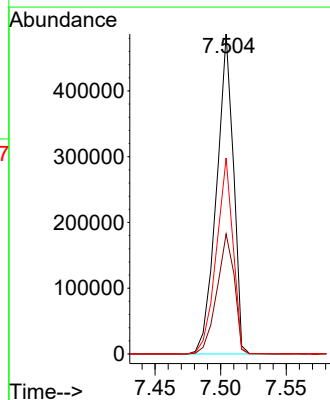
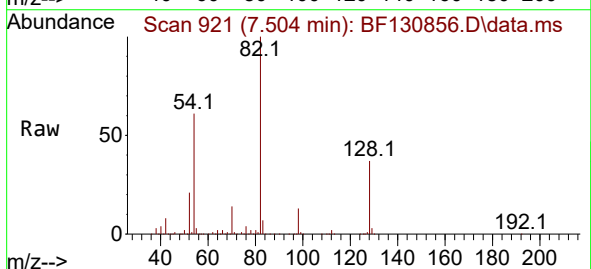
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

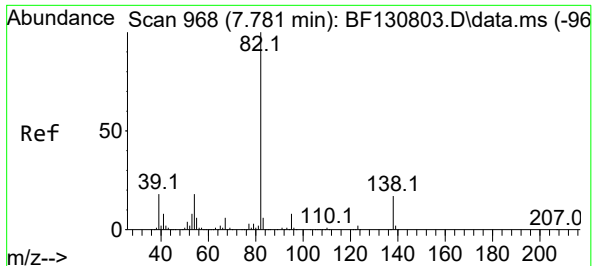
Tgt Ion:136	Resp: 322185
Ion Ratio	Lower Upper
136	100
137	10.2 9.2 13.8
54	8.9 8.8 13.2
68	5.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 81.440 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion: 82	Resp: 435147
Ion Ratio	Lower Upper
82	100
128	37.5 31.2 46.8
54	61.2 48.0 72.0

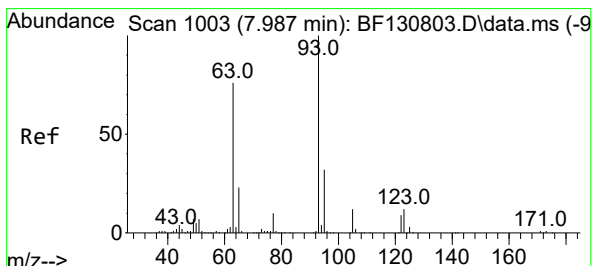
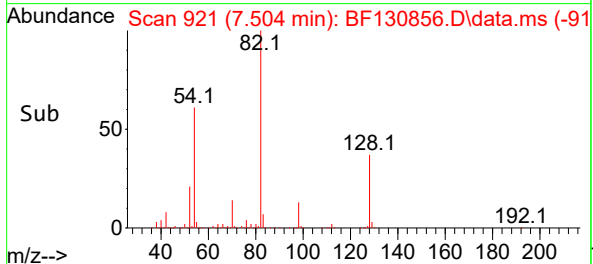
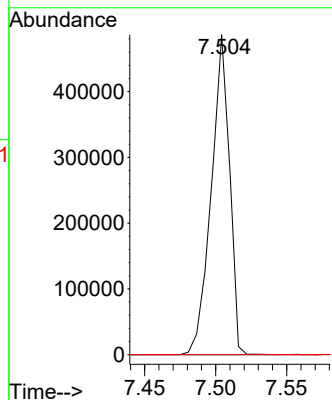
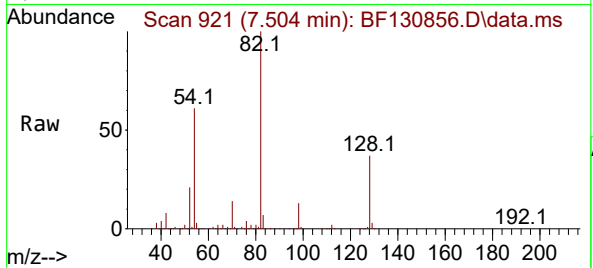




#25
Isophorone
Concen: 39.492 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

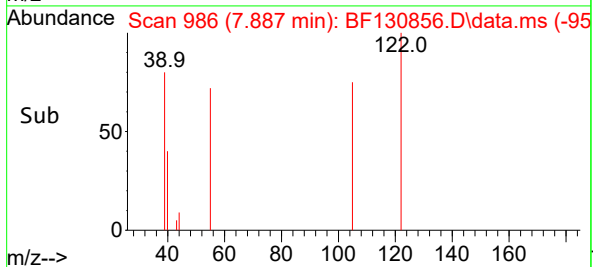
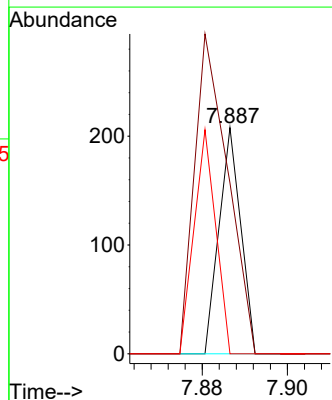
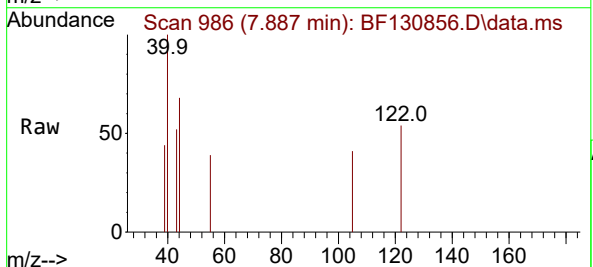
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

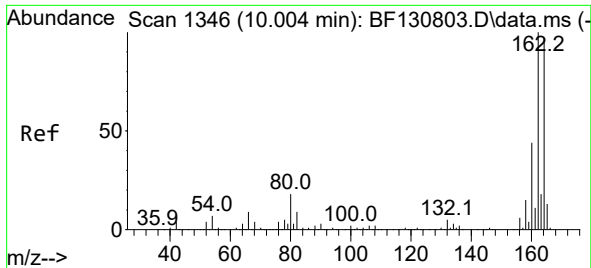
Tgt Ion: 82 Resp: 435139
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.699 ng
RT: 7.887 min Scan# 986
Delta R.T. -0.100 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion: 122 Resp: 73
Ion Ratio Lower Upper
122 100
105 75.5 114.5 154.5#
77 0.0 89.8 129.8#

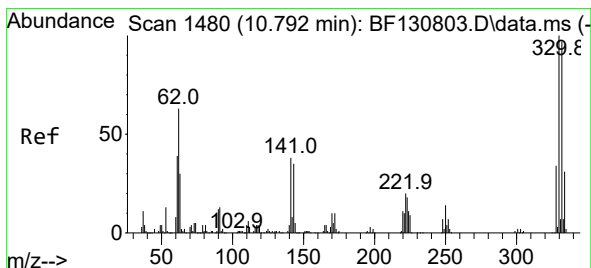
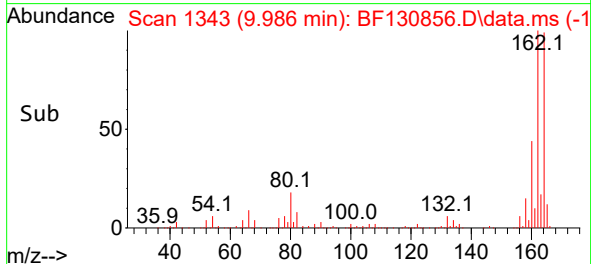
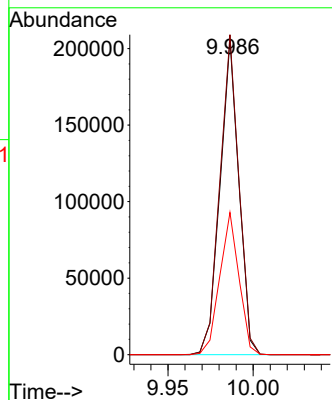
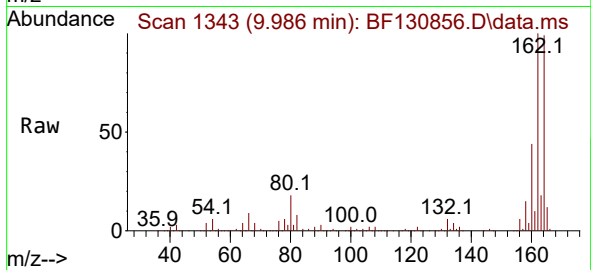




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

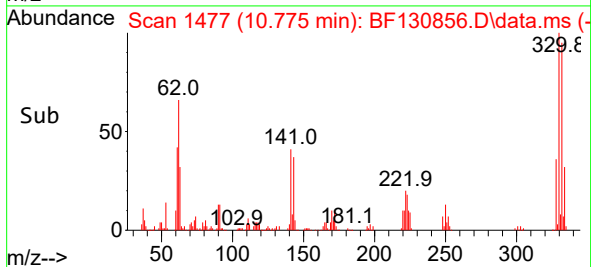
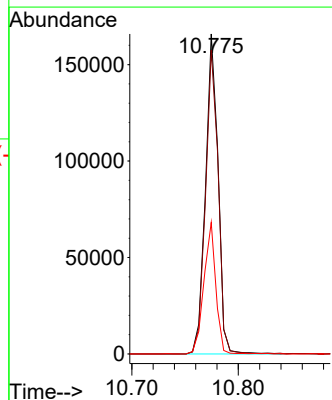
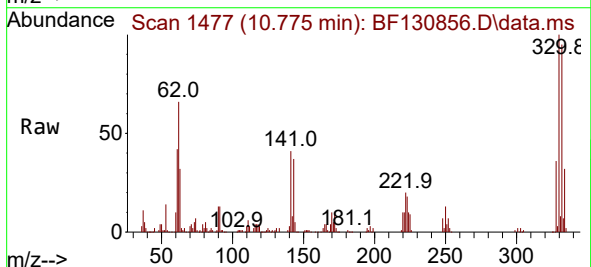
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

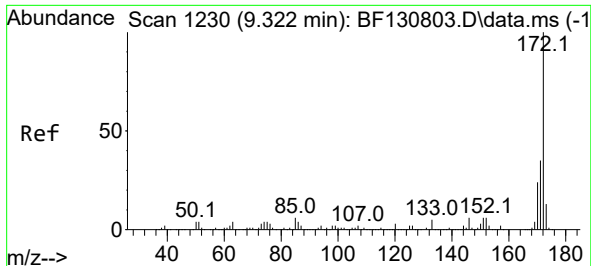
Tgt Ion:164 Resp: 158769
Ion Ratio Lower Upper
164 100
162 101.4 82.2 123.2
160 45.1 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 102.358 ng
RT: 10.775 min Scan# 1477
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:330 Resp: 136803
Ion Ratio Lower Upper
330 100
332 95.2 76.2 114.4
141 38.9 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 71.054 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF130856.D

Acq: 29 Oct 2022 14:43

Instrument :

BNA_F

ClientSampleId :

MH-4-WC

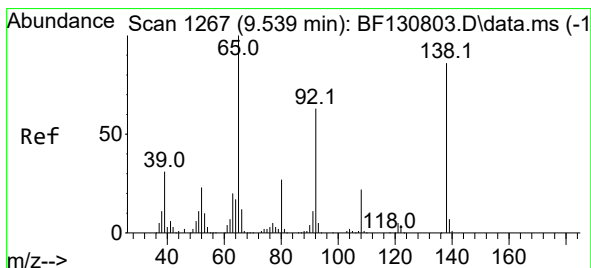
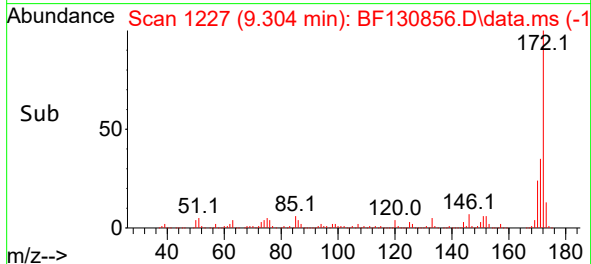
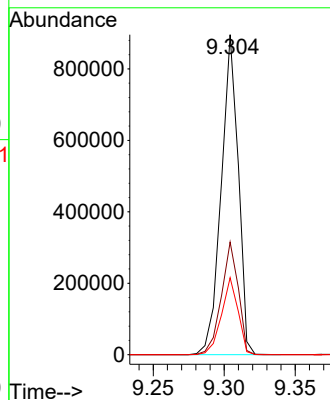
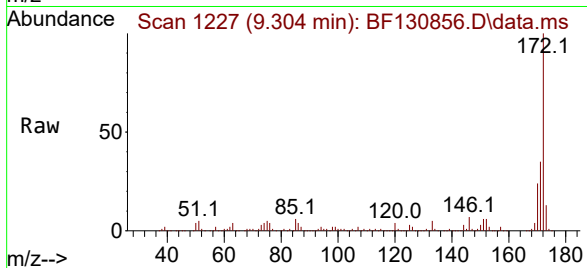
Tgt Ion:172 Resp: 746162

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 24.0 19.0 28.4



#48

2-Nitroaniline

Concen: 4.615 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.229 min

Lab File: BF130856.D

Acq: 29 Oct 2022 14:43

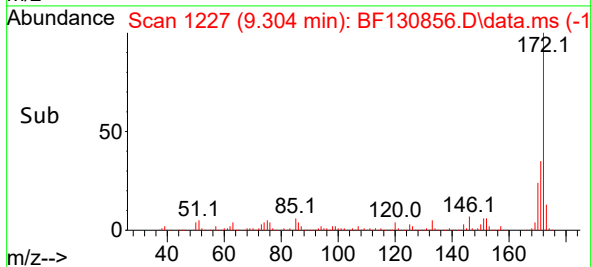
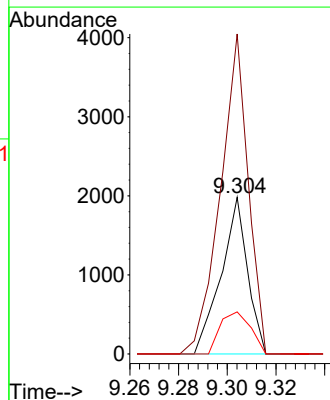
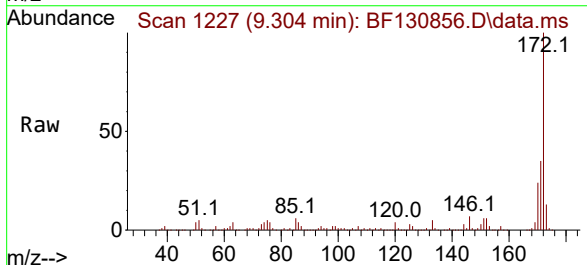
Tgt Ion: 65 Resp: 1495

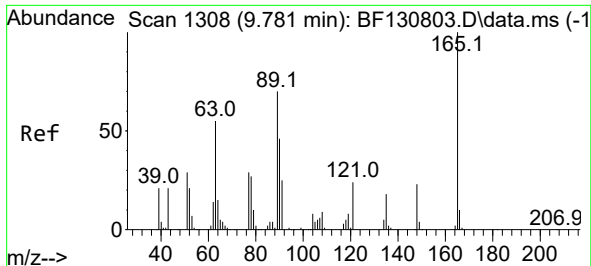
Ion Ratio Lower Upper

65 100

92 204.3 50.1 75.1#

138 26.9 69.2 103.8#

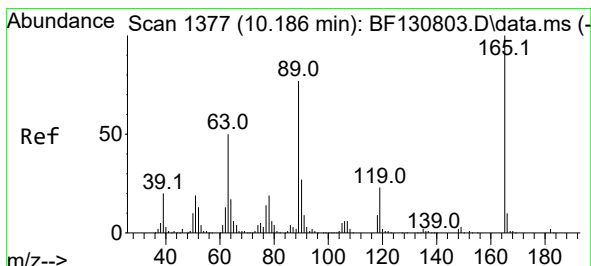
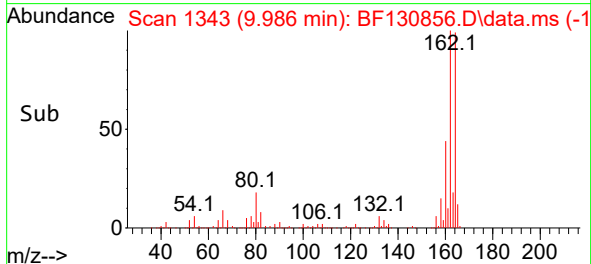
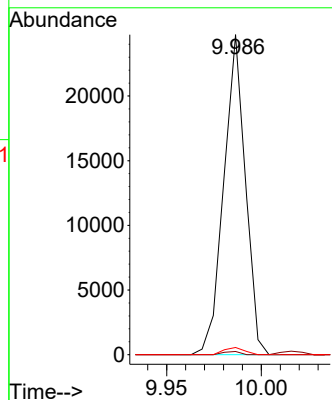
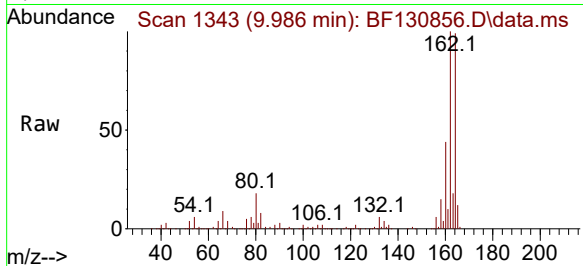




#51
2,6-Dinitrotoluene
Concen: 11.710 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.212 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

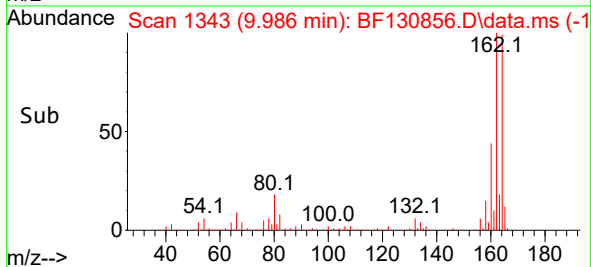
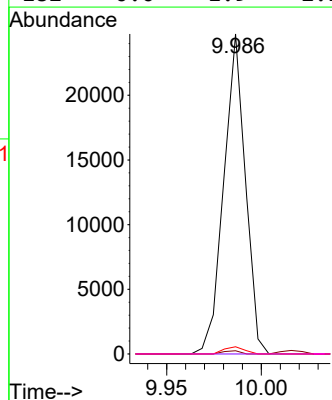
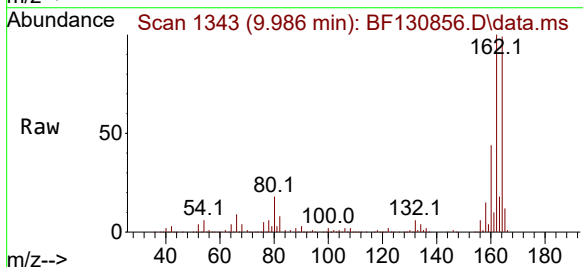
Instrument :
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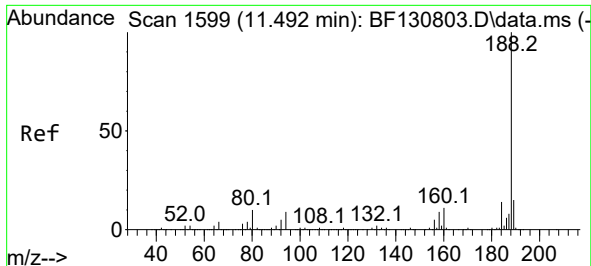
Tgt Ion:165 Resp: 19634
Ion Ratio Lower Upper
165 100
63 1.0 61.8 92.8#
89 2.3 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 10.663 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.194 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:165 Resp: 19634
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 2.3 61.9 92.9#
182 0.0 1.9 2.9#

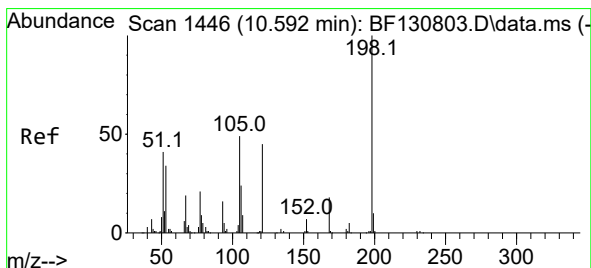
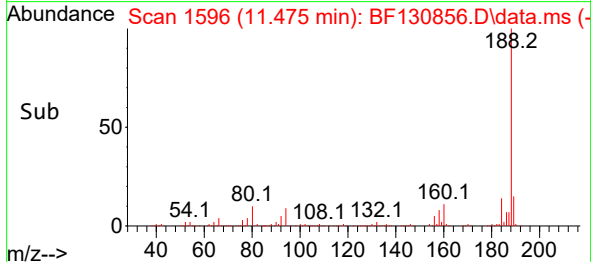
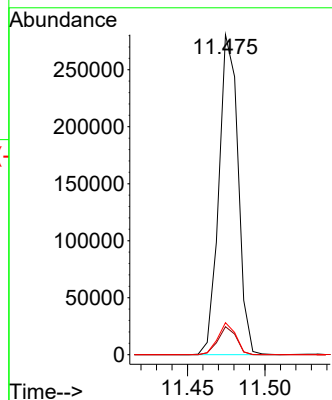
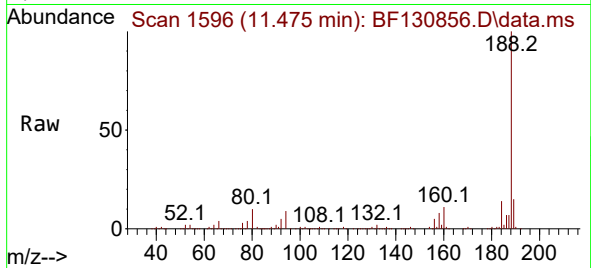




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

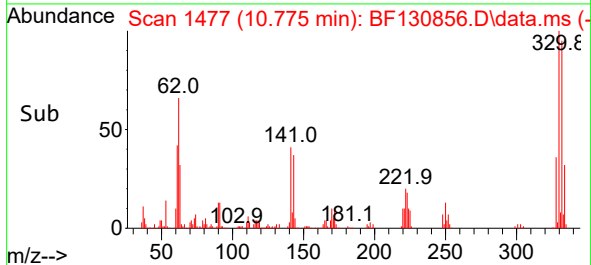
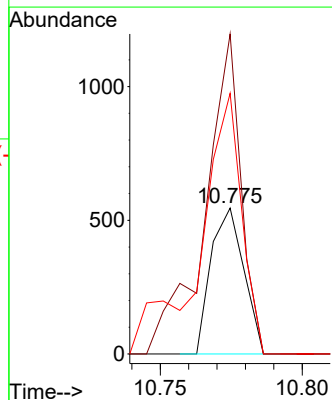
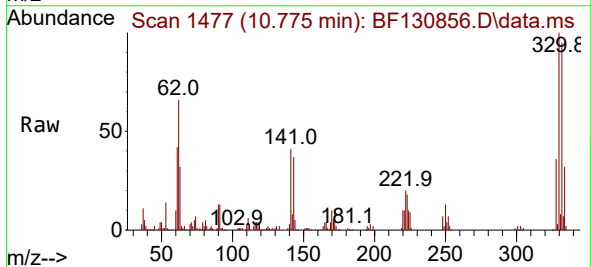
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

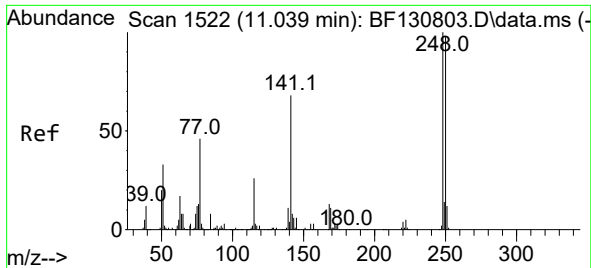
Tgt Ion:188 Resp: 242148
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 10.0 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.288 ng
RT: 10.775 min Scan# 1477
Delta R.T. 0.188 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:198 Resp: 436
Ion Ratio Lower Upper
198 100
51 219.2 39.0 79.0#
105 178.6 30.6 70.6#

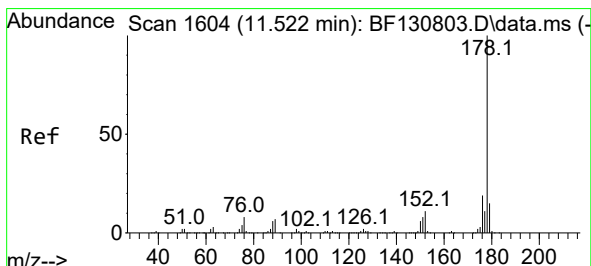
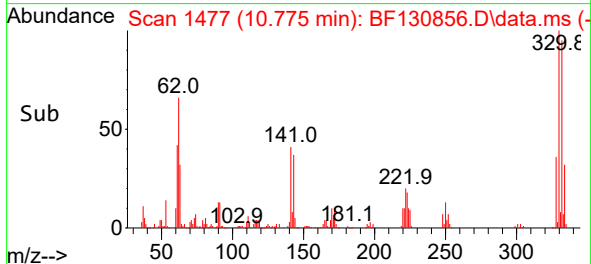
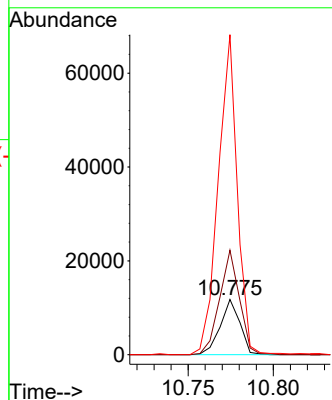
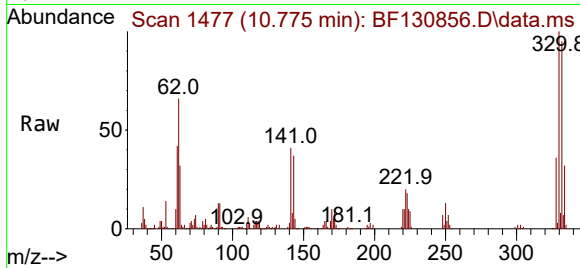




#67
4-Bromophenyl-phenylether
Concen: 3.888 ng
RT: 10.775 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

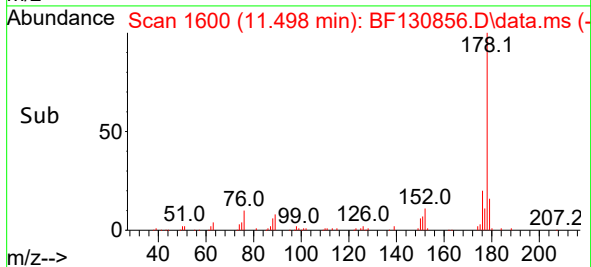
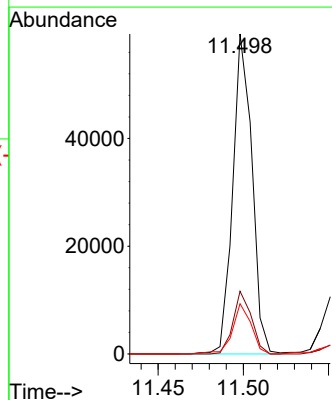
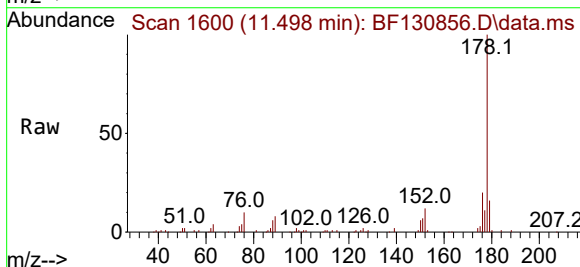
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

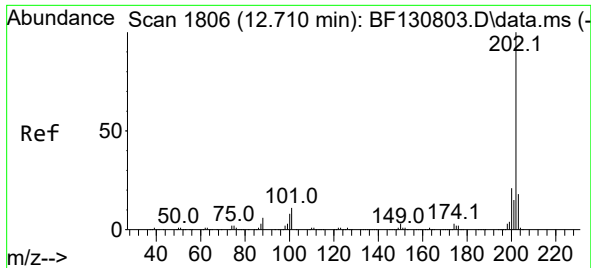
Tgt Ion:248 Resp: 9469
Ion Ratio Lower Upper
248 100
250 189.3 78.6 117.8#
141 579.4 54.2 81.4#



#71
Phenanthrene
Concen: 3.722 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:178 Resp: 46519
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.7 12.2 18.2

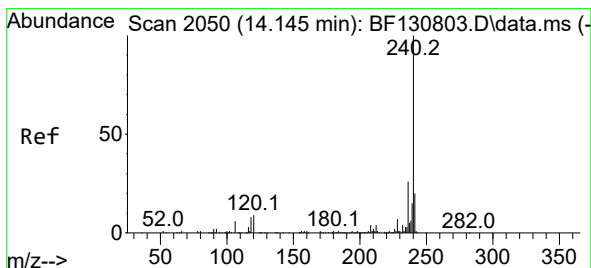
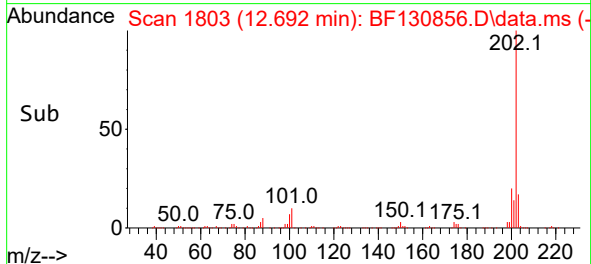
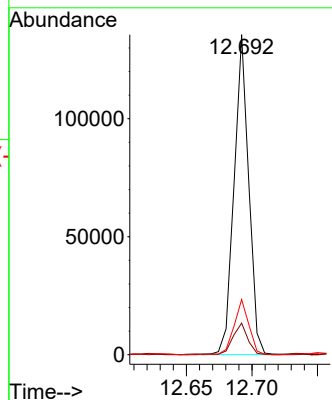
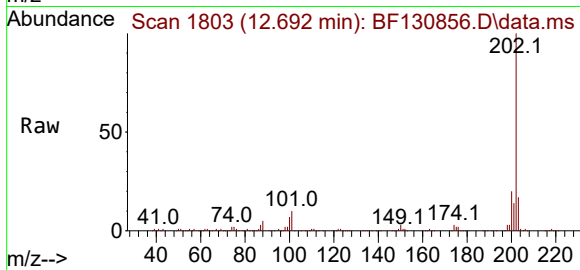




#75
Fluoranthene
Concen: 7.960 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

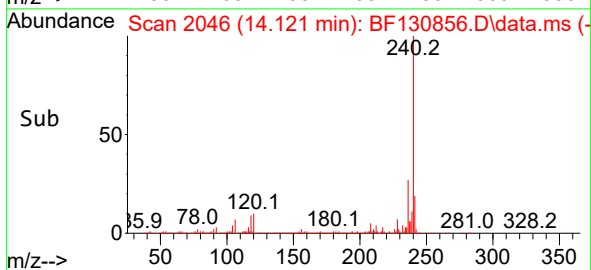
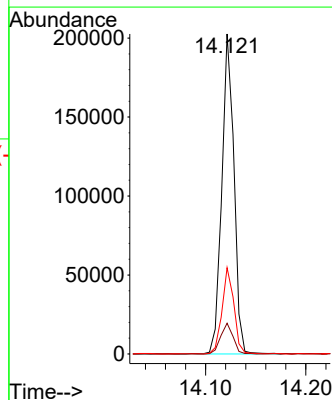
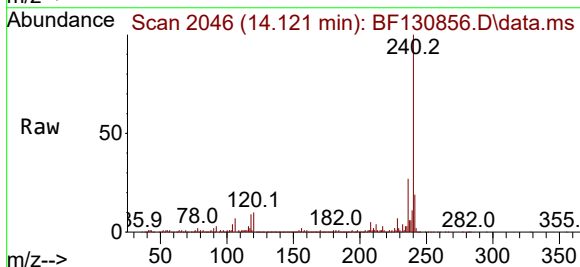
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

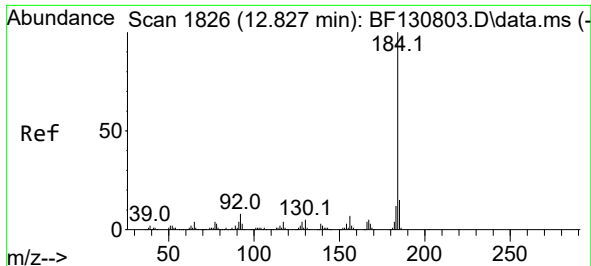
Tgt Ion:202 Resp: 105699
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.9
203 17.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:240 Resp: 170080
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.4
236 26.9 20.5 30.7

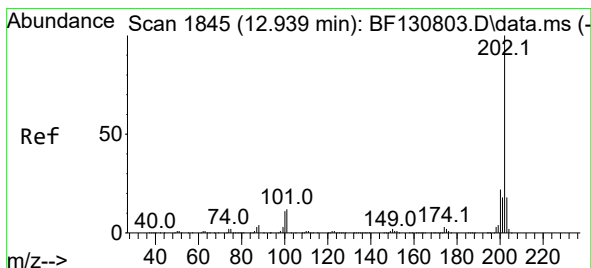
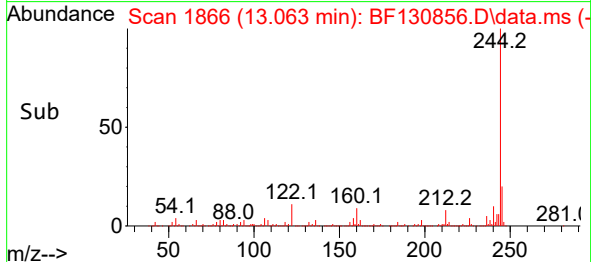
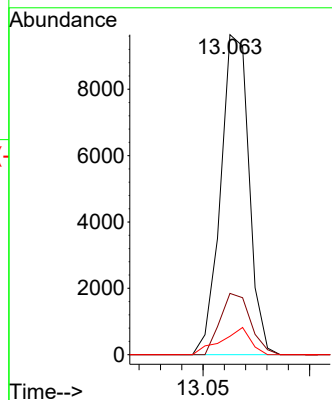
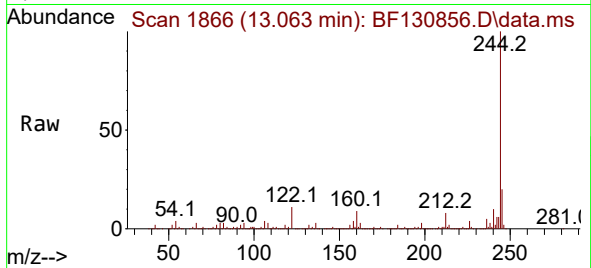




#77
Benzidine
Concen: 2.160 ng
RT: 13.063 min Scan# 1866
Delta R.T. 0.241 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

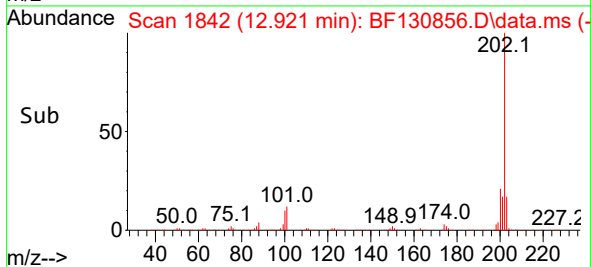
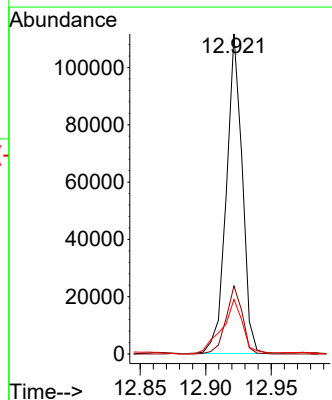
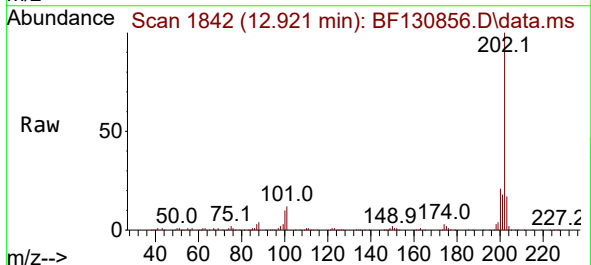
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

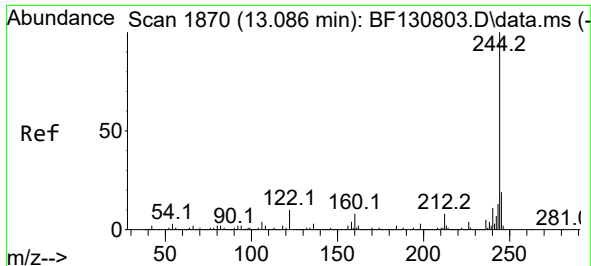
Tgt Ion:184 Resp: 8917
Ion Ratio Lower Upper
184 100
185 19.1 11.8 17.8#
183 5.7 9.7 14.5#



#78
Pyrene
Concen: 6.527 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:202 Resp: 93661
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.1 14.5 21.7

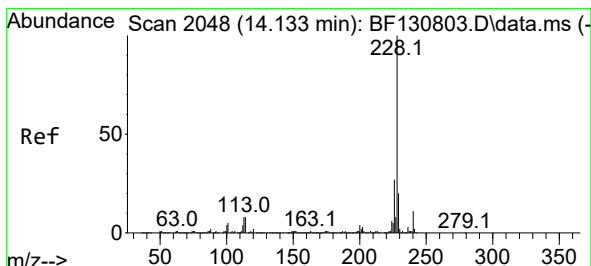
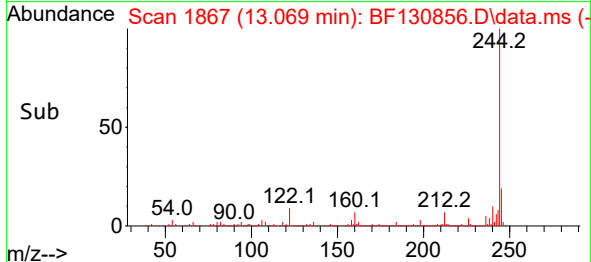
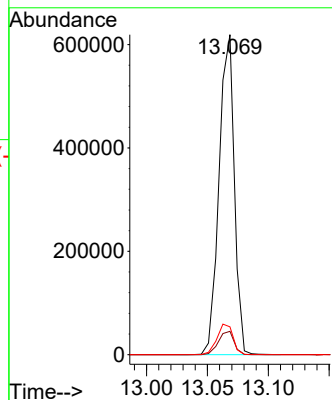
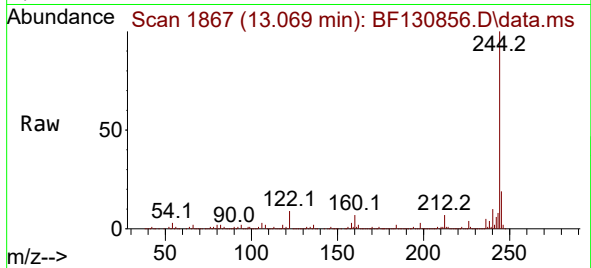




#79
 Terphenyl-d14
 Concen: 58.494 ng
 RT: 13.069 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: BF130856.D
 Acq: 29 Oct 2022 14:43

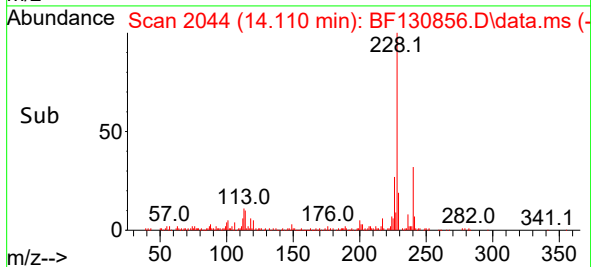
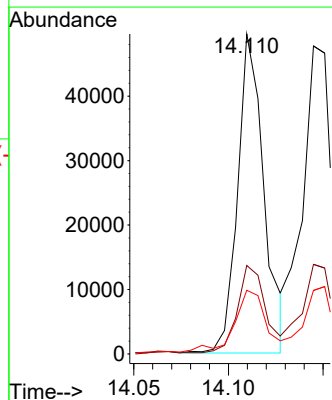
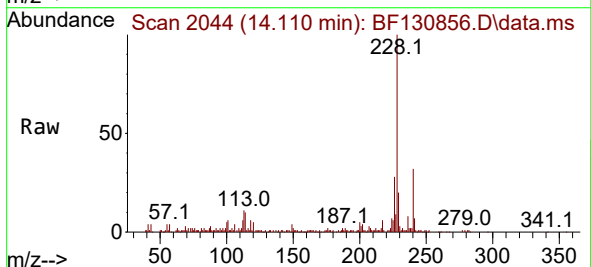
Instrument :
 BNA_F
 ClientSampleId :
 MH-4-WC

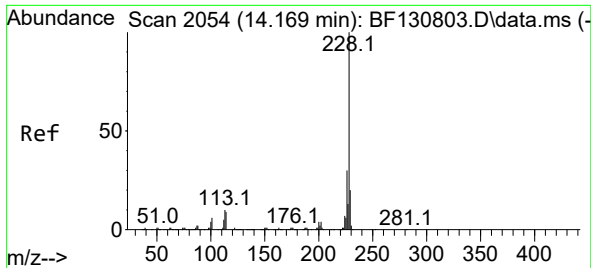
Tgt Ion:244 Resp: 542916
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 8.7 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 4.243 ng
 RT: 14.110 min Scan# 2044
 Delta R.T. -0.012 min
 Lab File: BF130856.D
 Acq: 29 Oct 2022 14:43

Tgt Ion:228 Resp: 47850
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.2
 229 19.9 15.8 23.6

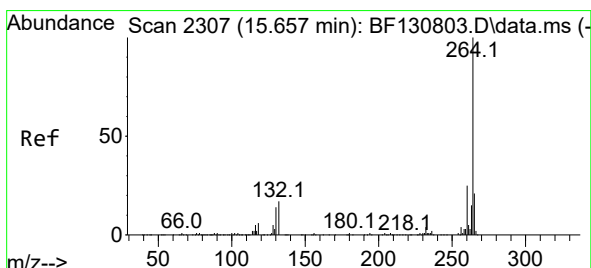
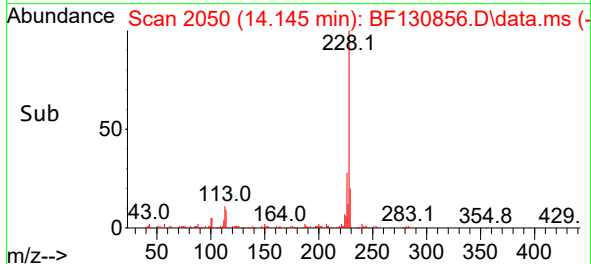
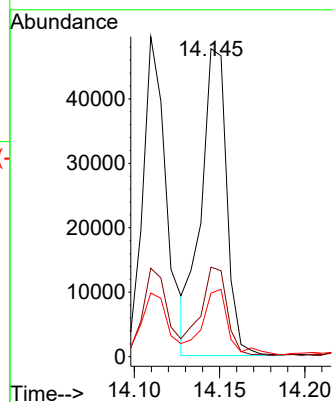
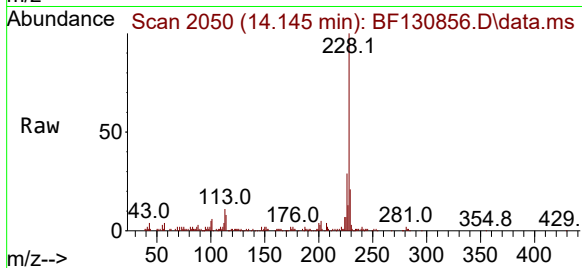




#83
Chrysene
Concen: 4.630 ng
RT: 14.145 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

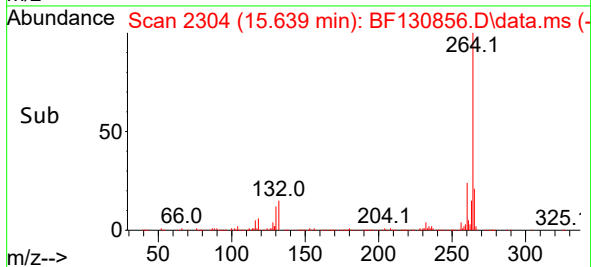
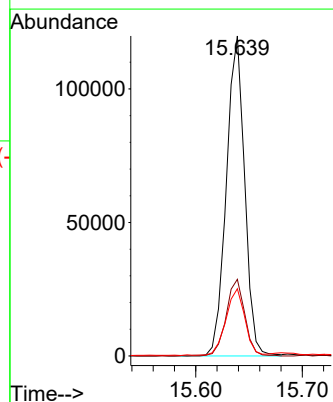
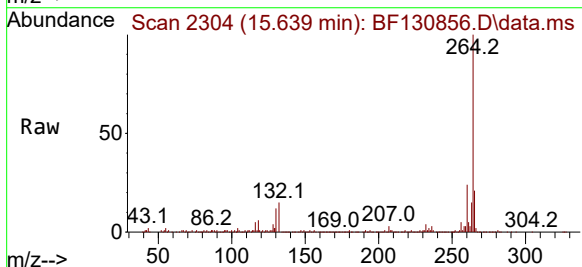
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

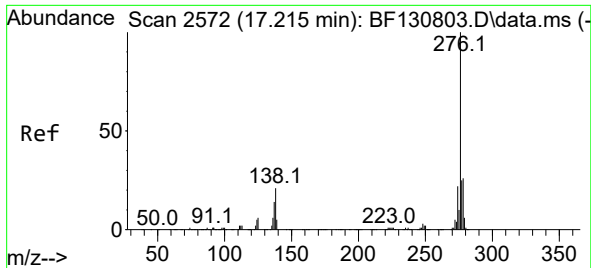
Tgt Ion:228 Resp: 50363
Ion Ratio Lower Upper
228 100
226 29.1 23.9 35.9
229 20.6 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2304
Delta R.T. -0.006 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:264 Resp: 142979
Ion Ratio Lower Upper
264 100
260 23.9 19.9 29.9
265 21.0 17.0 25.6

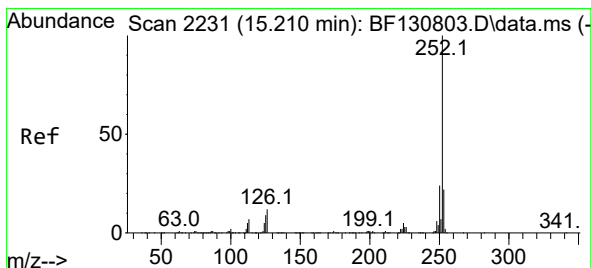
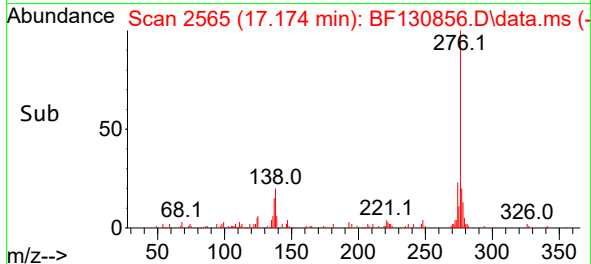
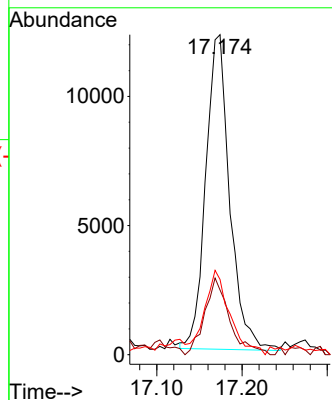
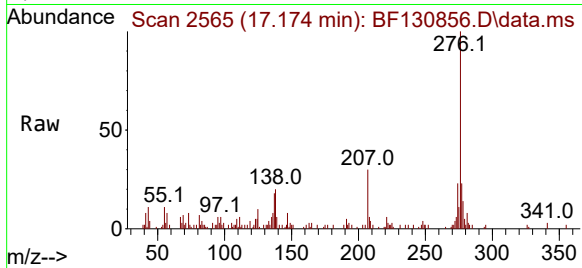




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.510 ng
RT: 17.174 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

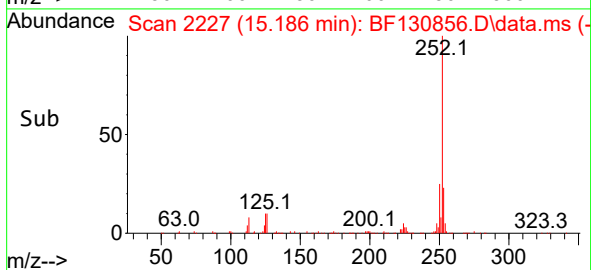
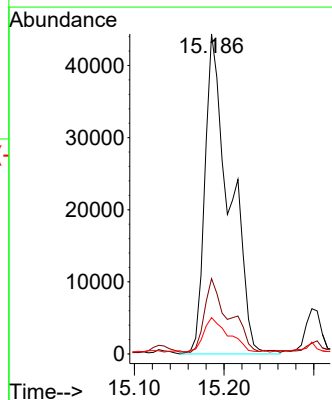
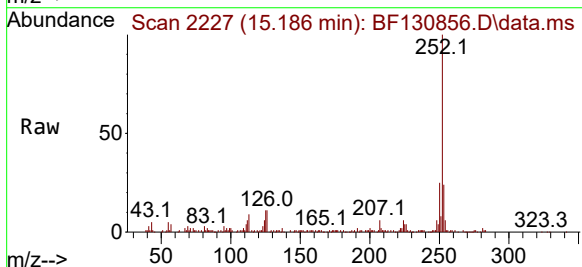
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

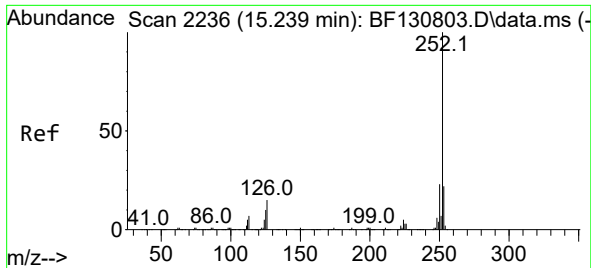
Tgt Ion:276 Resp: 23831
Ion Ratio Lower Upper
276 100
138 25.2 19.1 28.7
277 28.2 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 9.169 ng
RT: 15.186 min Scan# 2227
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:252 Resp: 84744
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.4 7.0 10.4#

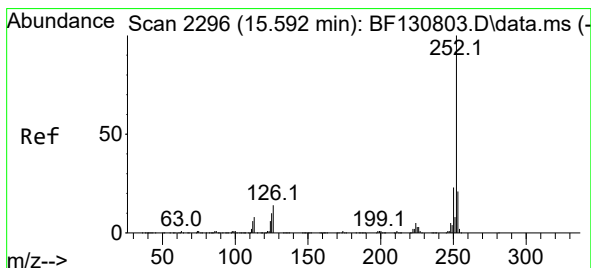
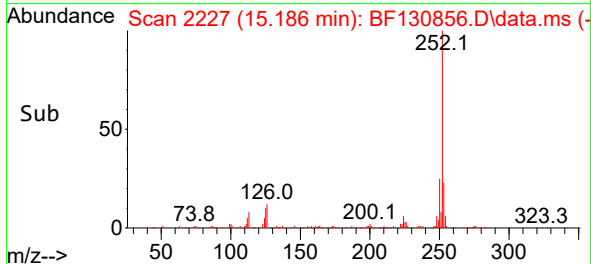
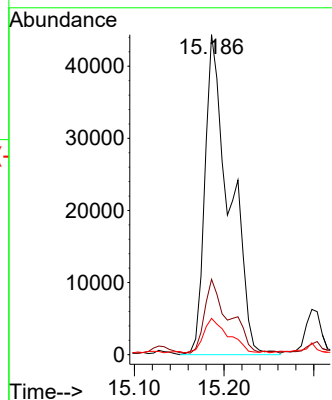
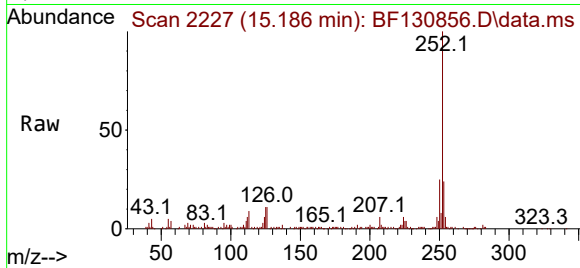




#89
Benzo(k)fluoranthene
Concen: 9.409 ng
RT: 15.186 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

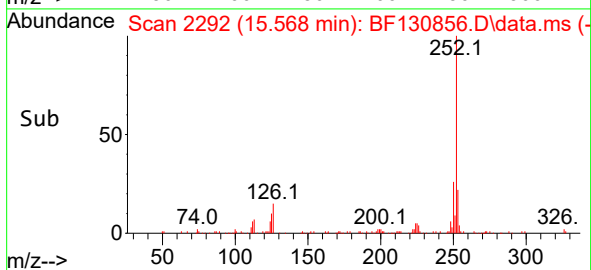
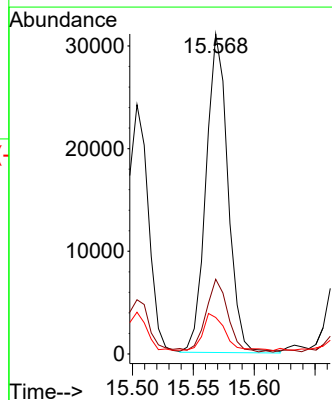
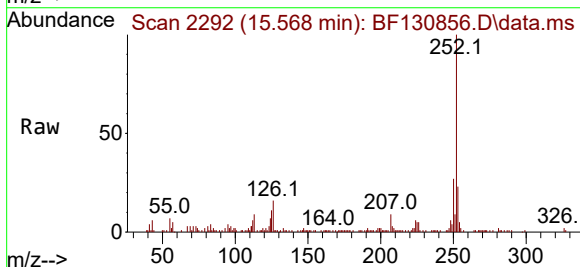
Instrument :
BNA_F
ClientSampleId :
MH-4-WC

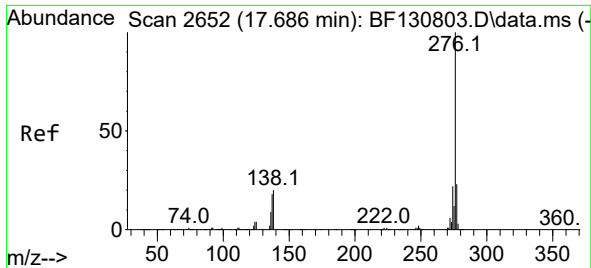
Tgt Ion:252 Resp: 84744
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.4 8.0 12.0



#90
Benzo(a)pyrene
Concen: 5.247 ng
RT: 15.568 min Scan# 2292
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

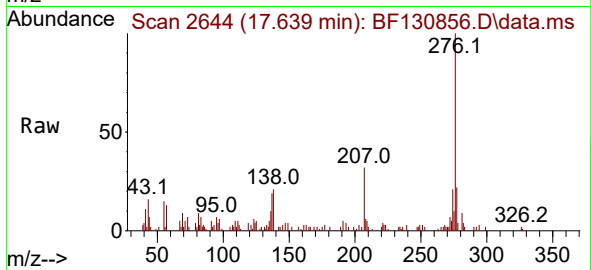
Tgt Ion:252 Resp: 38986
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 11.4 8.3 12.5





#92
 Benzo(g,h,i)perylene
 Concen: 2.949 ng
 RT: 17.639 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF130856.D
 Acq: 29 Oct 2022 14:43

Instrument :
 BNA_F
 ClientSampleId :
 MH-4-WC



Tgt Ion:	276	Resp:	23291
Ion	Ratio	Lower	Upper
276	100		
277	21.9	18.8	28.2
138	21.3	16.3	24.5

