

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130862.D
 Acq On : 29 Oct 2022 17:47
 Operator : CG\JU
 Sample : N5339-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102722

Quant Time: Oct 30 23:25:42 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

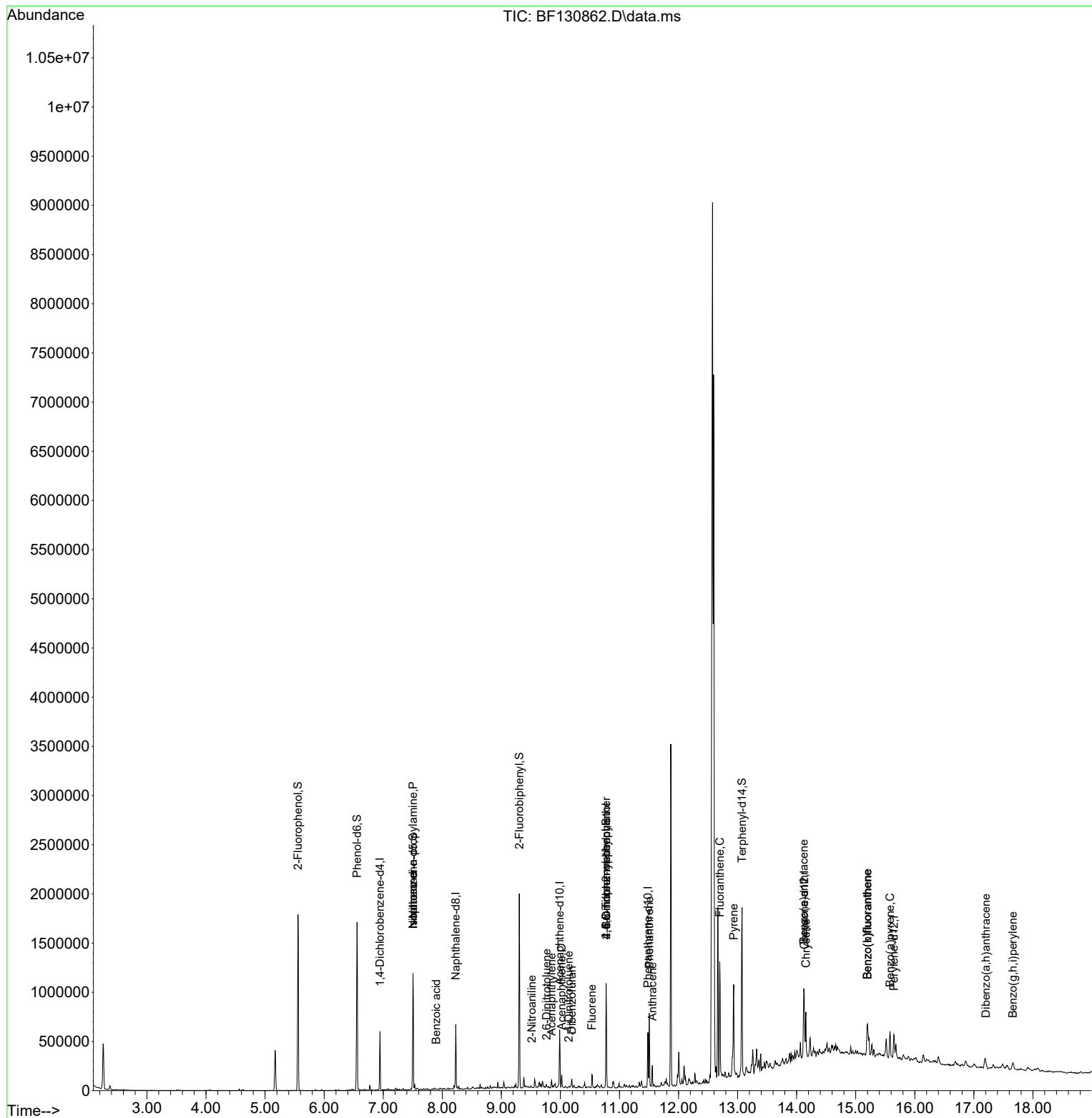
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	72247	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	239790	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	103911	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	182971	20.000	ng	0.00
76) Chrysene-d12	14.127	240	148464	20.000	ng	# 0.00
86) Perylene-d12	15.645	264	105276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	446828	107.219	ng	0.00
7) Phenol-d6	6.557	99	544939	100.625	ng	0.00
23) Nitrobenzene-d5	7.504	82	346470	87.125	ng	-0.01
42) 2,4,6-Tribromophenol	10.775	330	99273	113.491	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	544750	79.260	ng	0.00
79) Terphenyl-d14	13.074	244	554678	68.463	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.504	70	47478	12.885	ng	# 81
25) Isophorone	7.504	82	345342	42.112	ng	# 66
32) Benzoic acid	7.898	122	54	7.699	ng	# 23
48) 2-Nitroaniline	9.516	65	472	4.373	ng	# 44
49) Acenaphthylene	9.851	152	20719	2.209	ng	95
51) 2,6-Dinitrotoluene	9.763	165	648	3.238	ng	# 32
52) Acenaphthene	10.022	154	22635	3.902	ng	98
55) Dibenzofuran	10.192	168	25130	2.989	ng	96
57) 2,4-Dinitrotoluene	10.139	165	745	4.110	ng	# 43
58) Fluorene	10.533	166	34975	5.283	ng	98
65) 4,6-Dinitro-2-methylph...	10.775	198	324	8.282	ng	# 1
67) 4-Bromophenyl-phenylether	10.775	248	6648	3.613	ng	# 1
71) Phenanthrene	11.504	178	241419	25.564	ng	99
72) Anthracene	11.557	178	77230	8.291	ng	99
75) Fluoranthene	12.698	202	432623	43.116	ng	100
78) Pyrene	12.933	202	390184	31.151	ng	99
81) Benzo(a)anthracene	14.121	228	207208	21.051	ng	94
83) Chrysene	14.157	228	184620	19.445	ng	97
88) Benzo(b)fluoranthene	15.198	252	254137	37.344	ng	# 94
89) Benzo(k)fluoranthene	15.198	252	254137	38.324	ng	95
90) Benzo(a)pyrene	15.580	252	127267	23.263	ng	# 93
91) Dibenzo(a,h)anthracene	17.204	278	17207	3.019	ng	# 79
92) Benzo(g,h,i)perylene	17.662	276	65040	11.186	ng	99

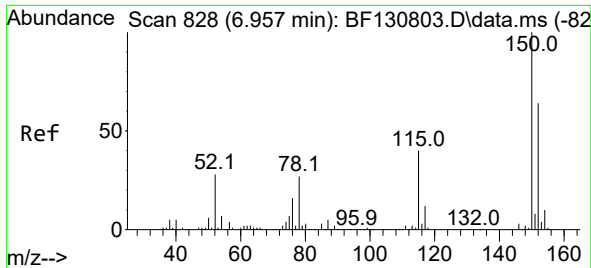
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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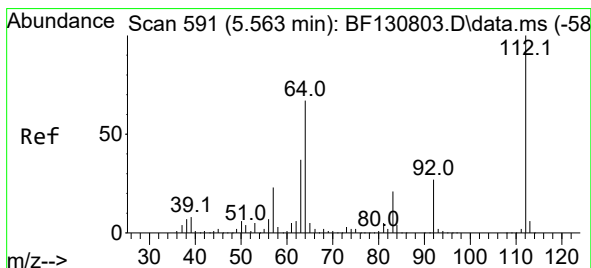
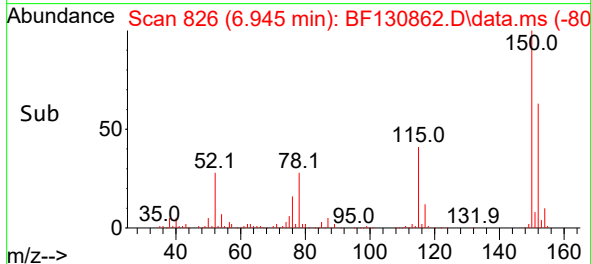
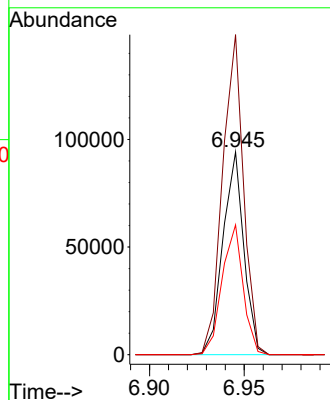
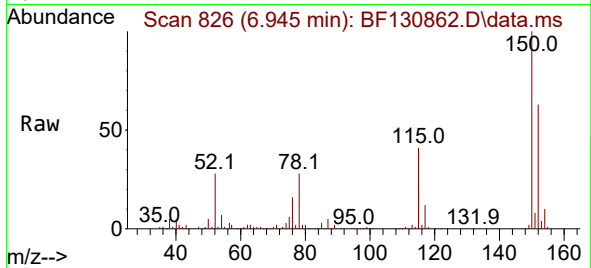




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

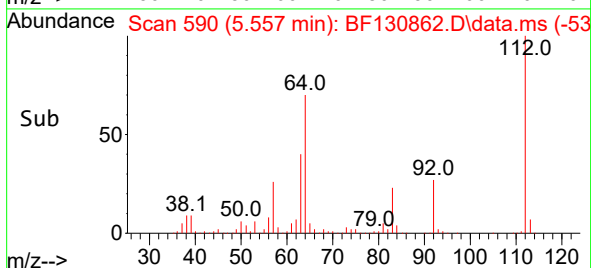
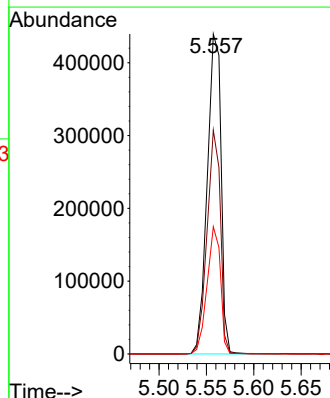
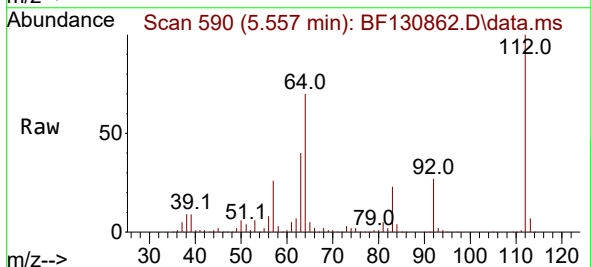
Instrument :
BNA_F
ClientSampleId :
NB-07-102722

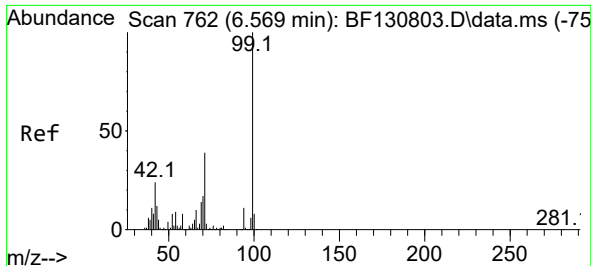
Tgt Ion:152 Resp: 72247
Ion Ratio Lower Upper
152 100
150 157.8 124.1 186.1
115 64.0 50.1 75.1



#5
2-Fluorophenol
Concen: 107.219 ng
RT: 5.557 min Scan# 590
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:112 Resp: 446828
Ion Ratio Lower Upper
112 100
64 70.0 53.9 80.9
63 39.8 29.4 44.2

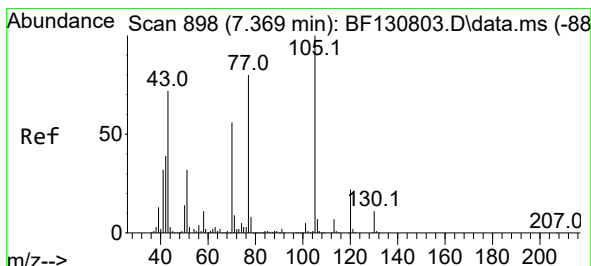
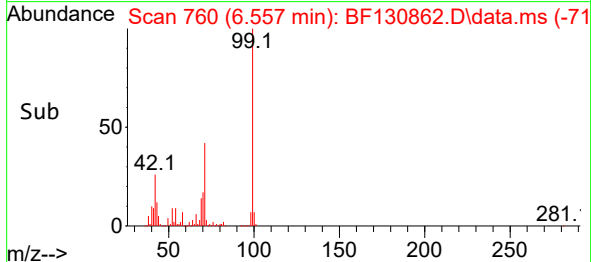
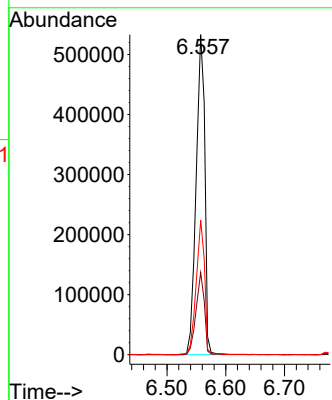
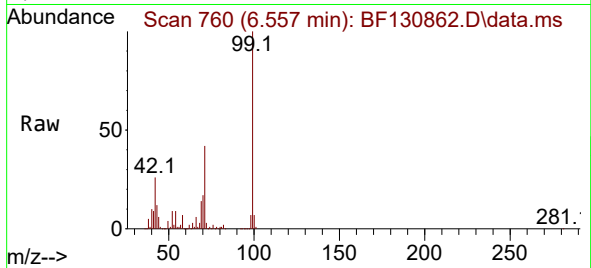




#7
Phenol-d6
Concen: 100.625 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

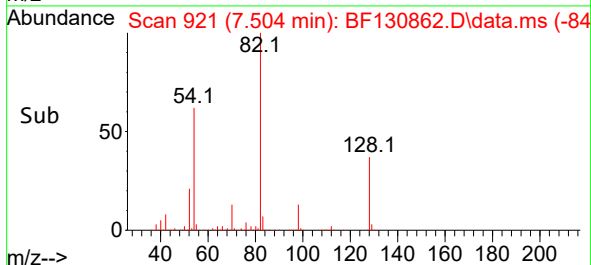
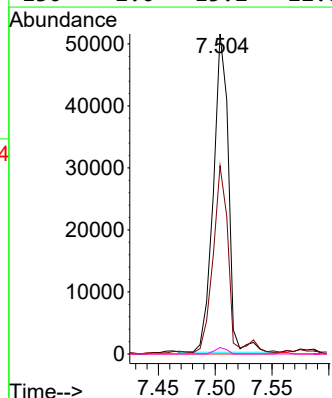
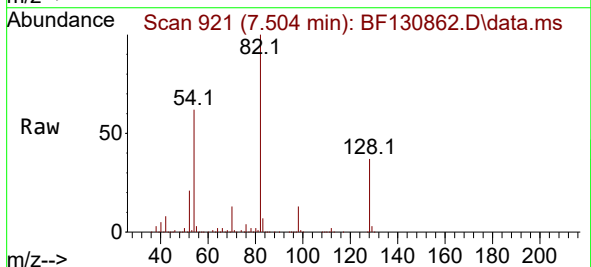
Instrument :
BNA_F
ClientSampleId :
NB-07-102722

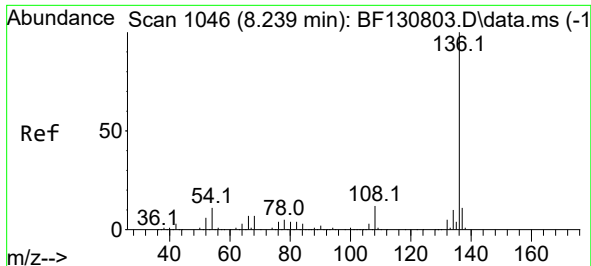
Tgt Ion: 99 Resp: 544939
Ion Ratio Lower Upper
99 100
42 25.7 18.8 28.2
71 42.1 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.885 ng
RT: 7.504 min Scan# 921
Delta R.T. 0.141 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion: 70 Resp: 47478
Ion Ratio Lower Upper
70 100
42 58.8 56.1 84.1
101 0.0 7.3 10.9#
130 2.0 15.2 22.8#

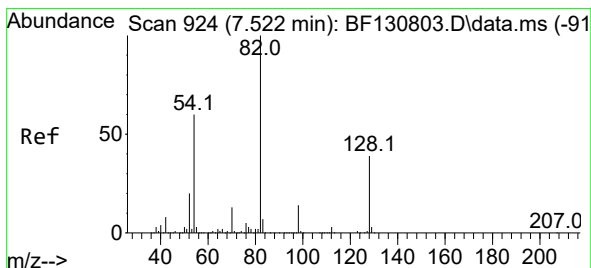
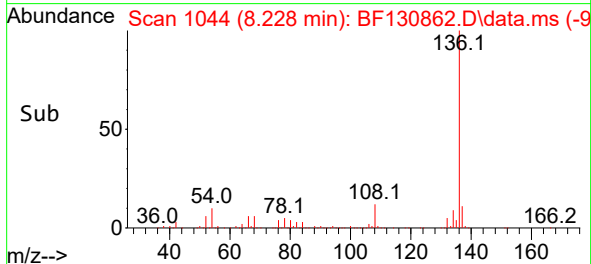
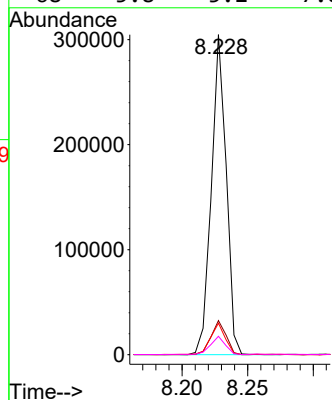
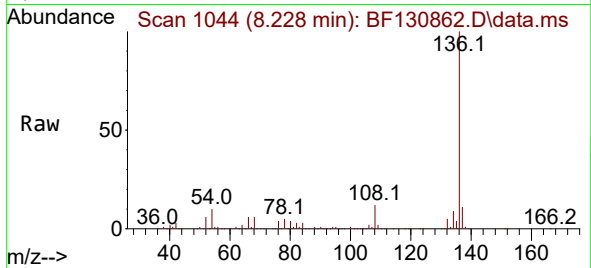




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

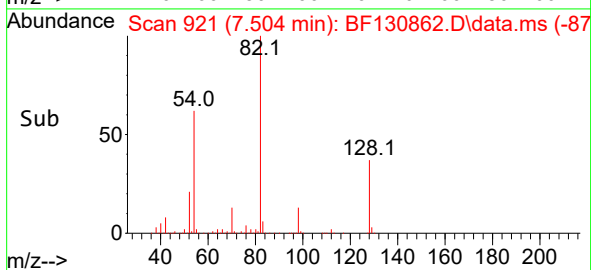
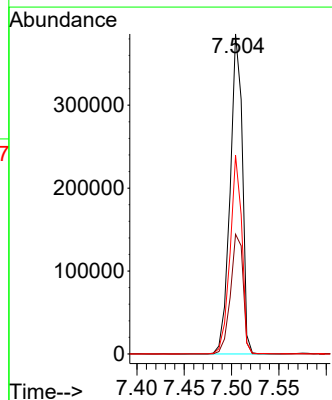
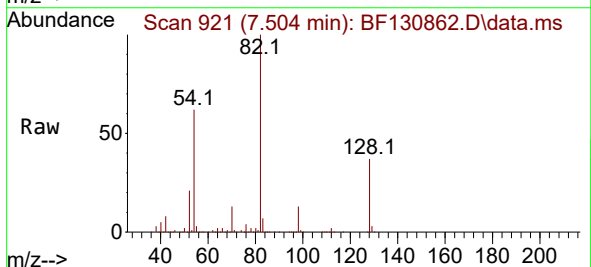
Instrument :
BNA_F
ClientSampleId :
NB-07-102722

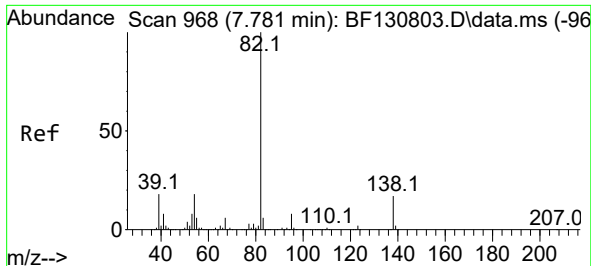
Tgt Ion:136 Resp: 239790
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 9.9 8.8 13.2
68 5.8 5.2 7.8



#23
Nitrobenzene-d5
Concen: 87.125 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion: 82 Resp: 346470
Ion Ratio Lower Upper
82 100
128 37.4 31.2 46.8
54 62.0 48.0 72.0

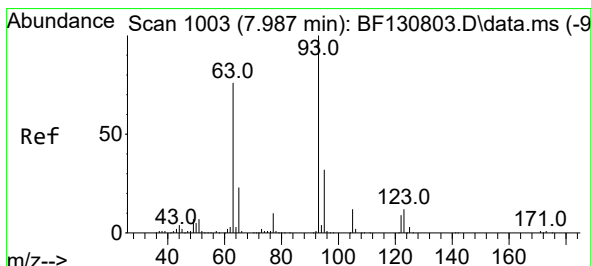
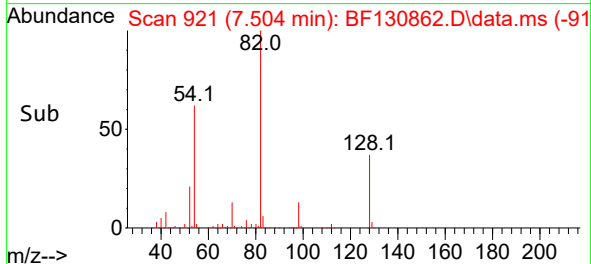
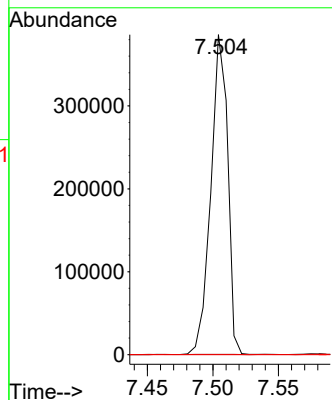
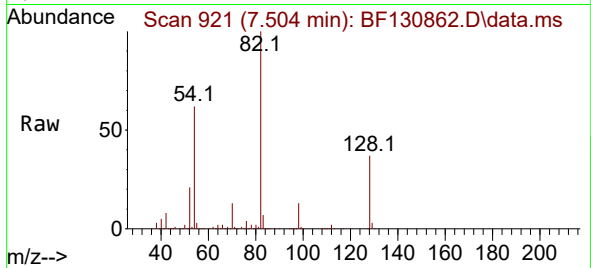




#25
Isophorone
Concen: 42.112 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

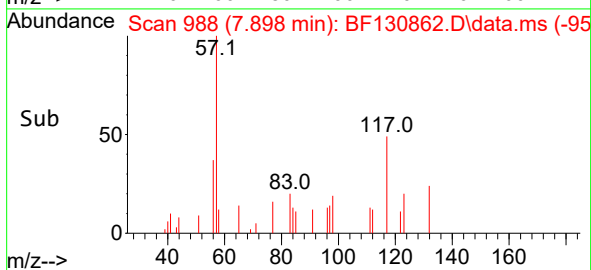
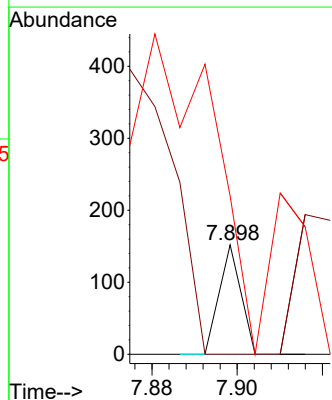
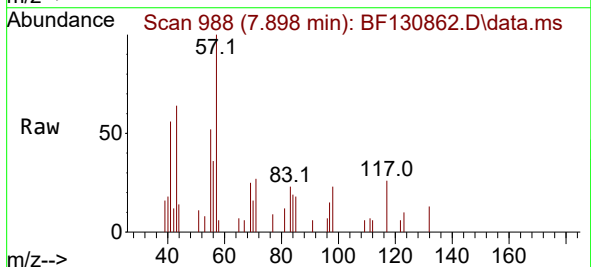
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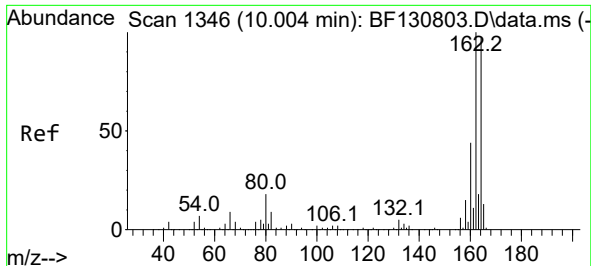
Tgt Ion: 82 Resp: 345342
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.699 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.088 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 144.7 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: BF130862.D

Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

NB-07-102722

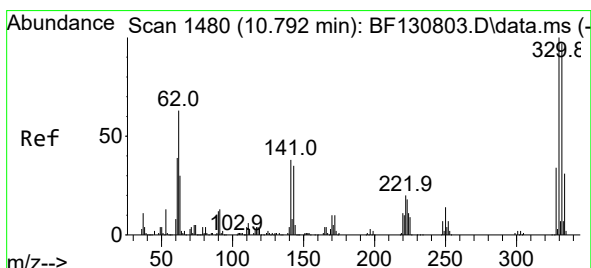
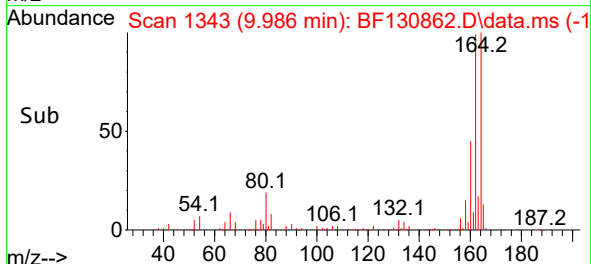
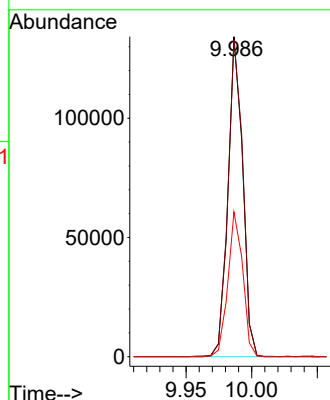
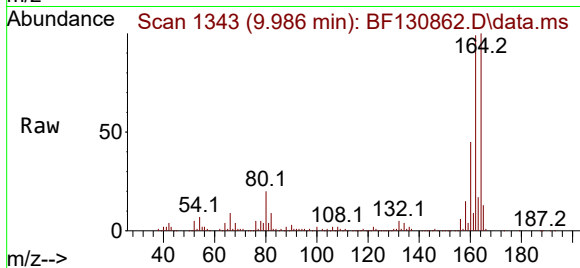
Tgt Ion:164 Resp: 103911

Ion Ratio Lower Upper

164 100

162 99.0 82.2 123.2

160 45.2 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 113.491 ng

RT: 10.775 min Scan# 1477

Delta R.T. -0.012 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

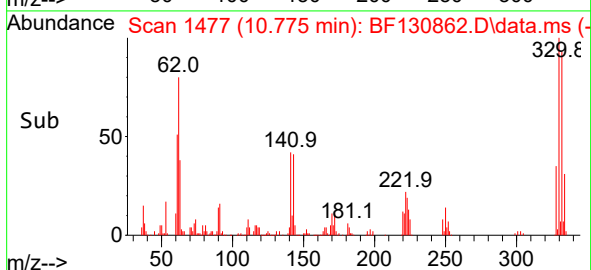
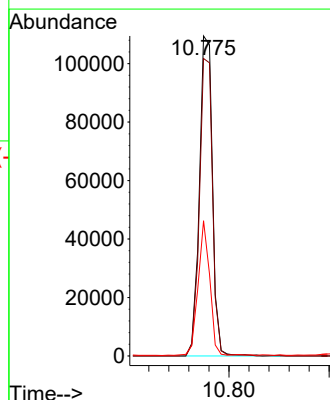
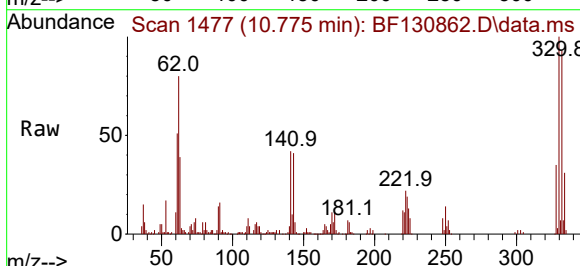
Tgt Ion:330 Resp: 99273

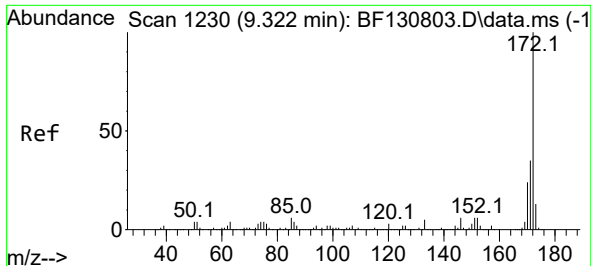
Ion Ratio Lower Upper

330 100

332 93.1 76.2 114.4

141 37.2 31.4 47.0

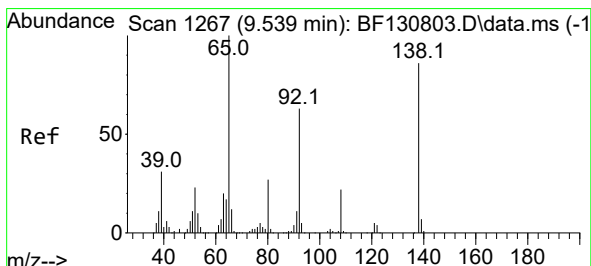
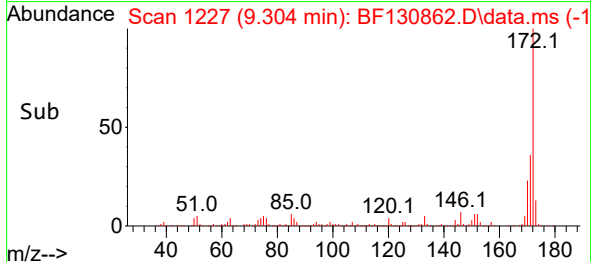
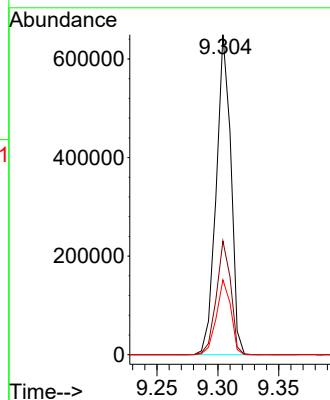
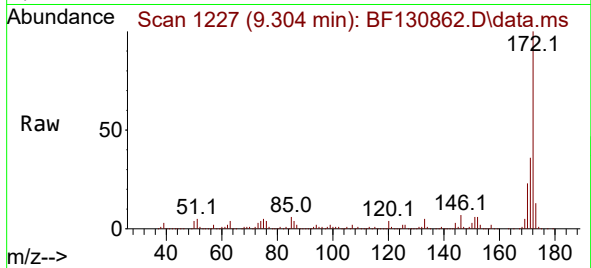




#45
2-Fluorobiphenyl
Concen: 79.260 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

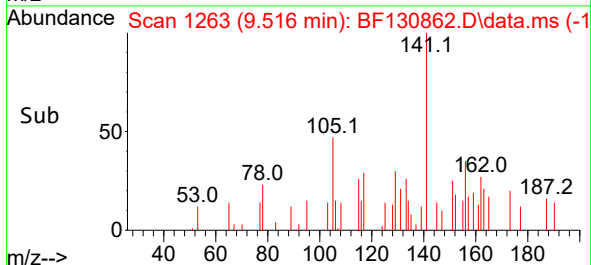
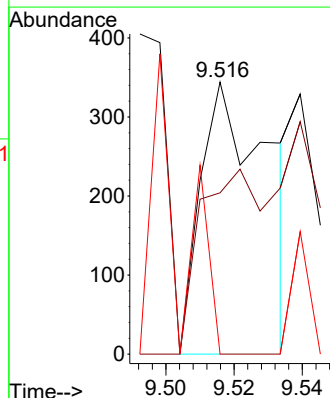
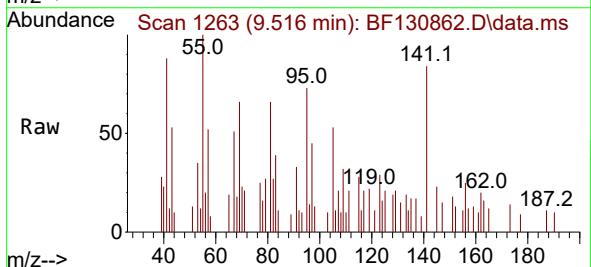
Instrument :
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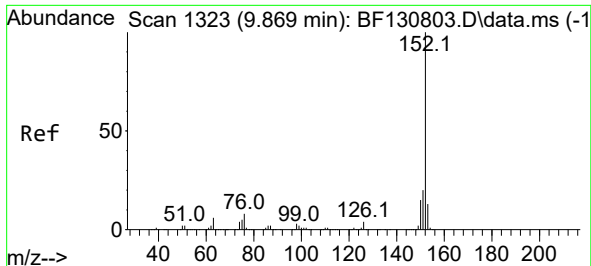
Tgt Ion:172 Resp: 544750
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.4 19.0 28.4



#48
2-Nitroaniline
Concen: 4.373 ng
RT: 9.516 min Scan# 1263
Delta R.T. -0.018 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion: 65 Resp: 472
Ion Ratio Lower Upper
65 100
92 59.3 50.1 75.1
138 0.0 69.2 103.8





#49

Acenaphthylene

Concen: 2.209 ng

RT: 9.851 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

NB-07-102722

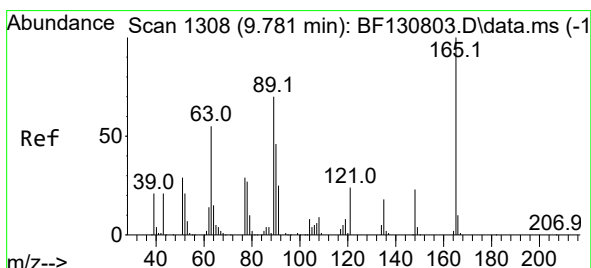
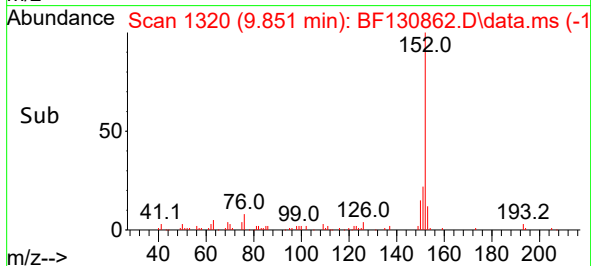
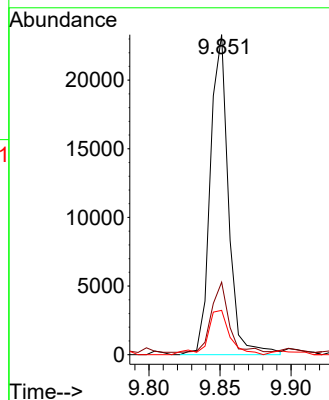
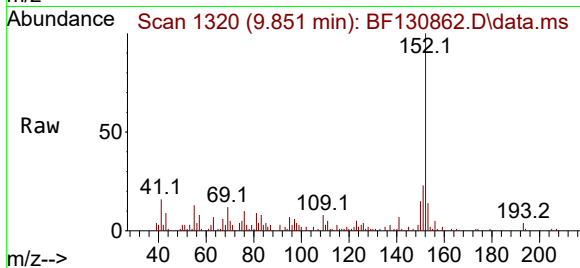
Tgt Ion:152 Resp: 20719

Ion Ratio Lower Upper

152 100

151 22.7 15.8 23.8

153 13.9 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 3.238 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.012 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

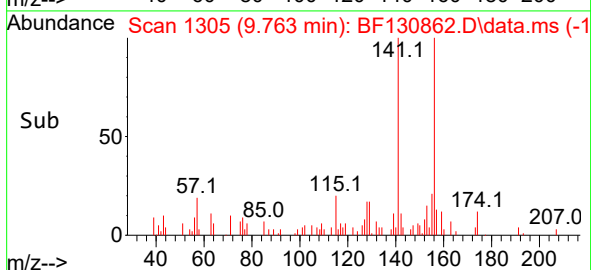
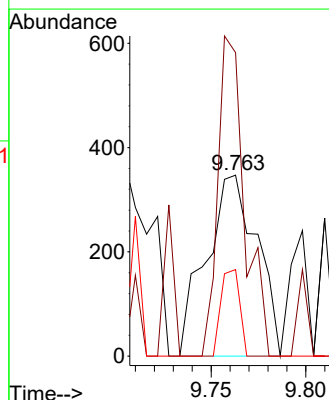
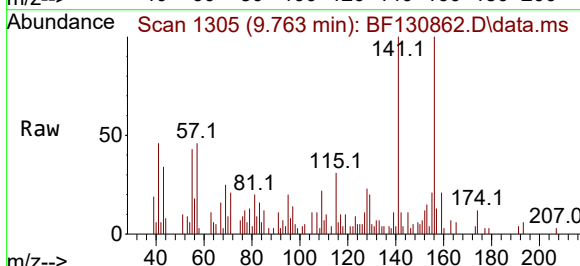
Tgt Ion:165 Resp: 648

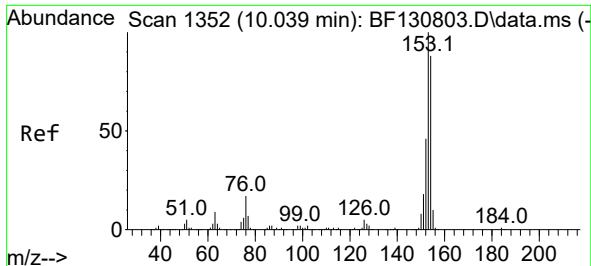
Ion Ratio Lower Upper

165 100

63 167.7 61.8 92.8#

89 47.8 56.2 84.4#

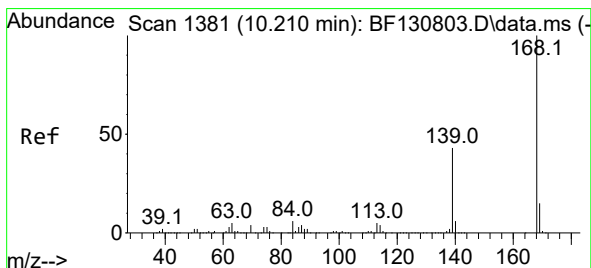
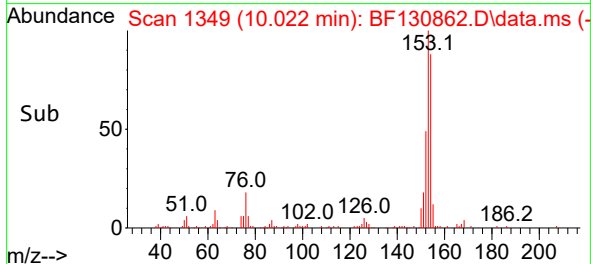
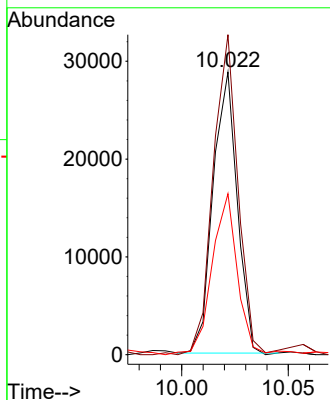
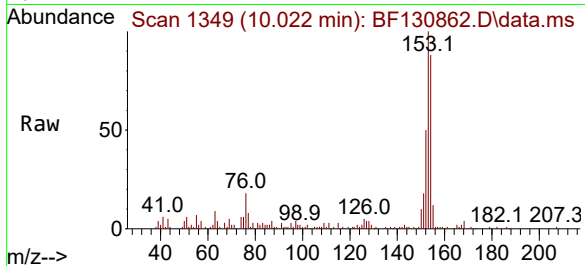




#52
Acenaphthene
Concen: 3.902 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

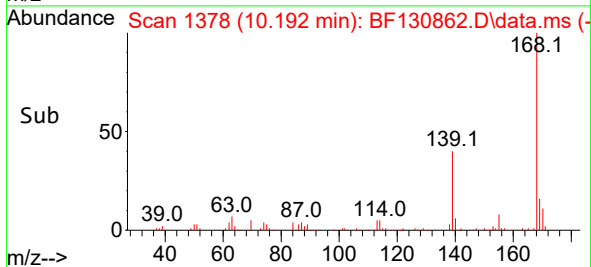
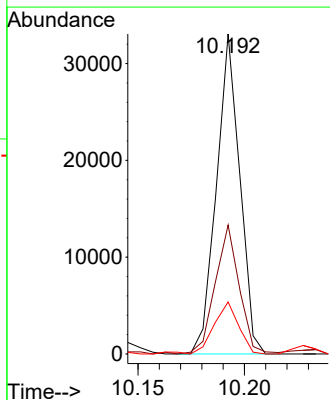
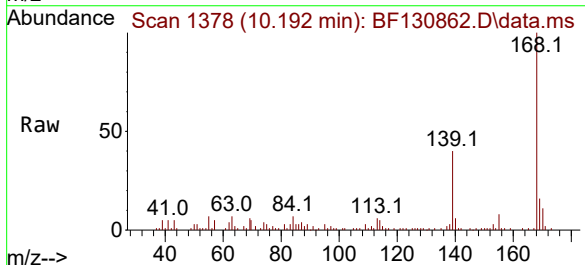
Instrument :
BNA_F
ClientSampleId :
NB-07-102722

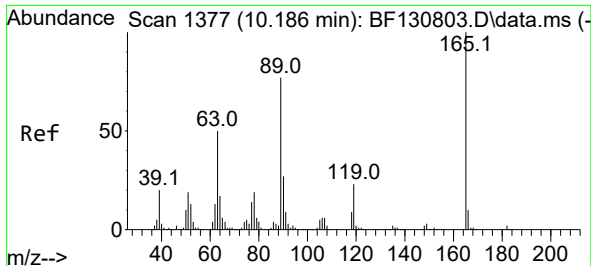
Tgt Ion:154 Resp: 22635
Ion Ratio Lower Upper
154 100
153 113.2 90.5 135.7
152 56.9 42.0 63.0



#55
Dibenzofuran
Concen: 2.989 ng
RT: 10.192 min Scan# 1378
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:168 Resp: 25130
Ion Ratio Lower Upper
168 100
139 40.3 34.3 51.5
169 16.3 11.9 17.9





#57

2,4-Dinitrotoluene

Concen: 4.110 ng

RT: 10.139 min Scan# 1

Delta R.T. -0.041 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

NB-07-102722

Tgt Ion:165 Resp: 745

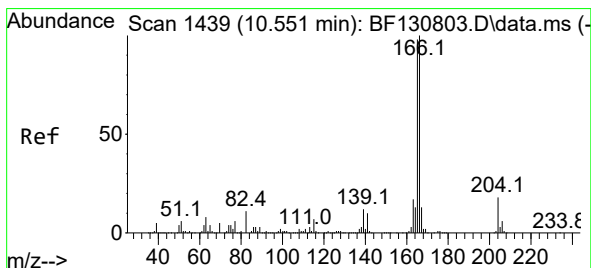
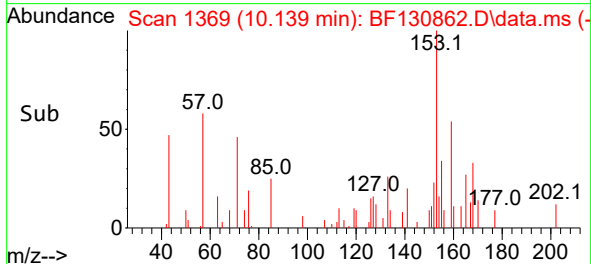
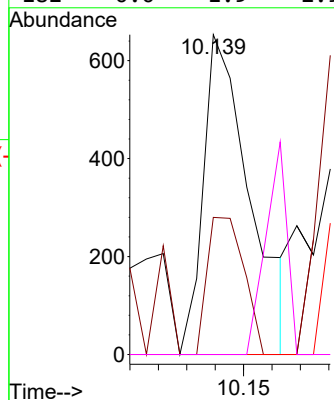
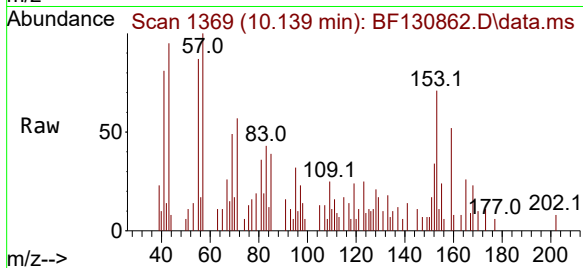
Ion Ratio Lower Upper

165 100

63 42.9 39.8 59.6

89 0.0 61.9 92.9#

182 0.0 1.9 2.9#



#58

Fluorene

Concen: 5.283 ng

RT: 10.533 min Scan# 1436

Delta R.T. -0.012 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

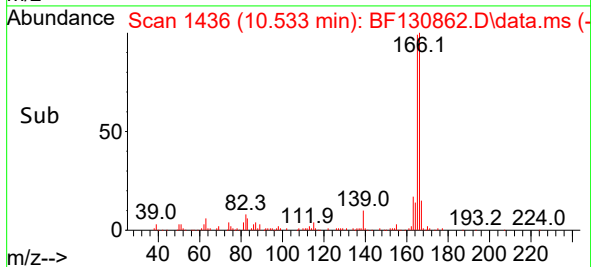
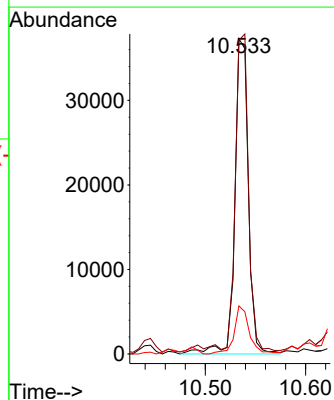
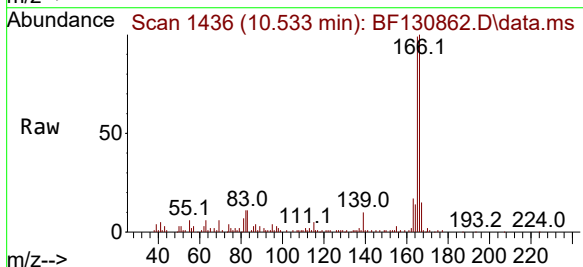
Tgt Ion:166 Resp: 34975

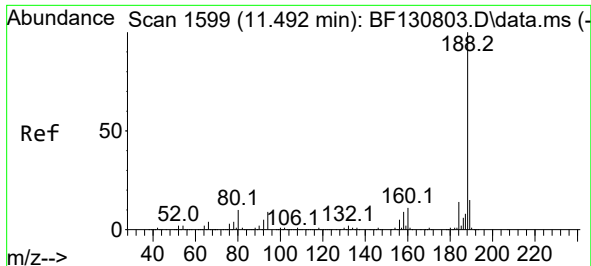
Ion Ratio Lower Upper

166 100

165 99.5 78.1 117.1

167 15.2 10.4 15.6

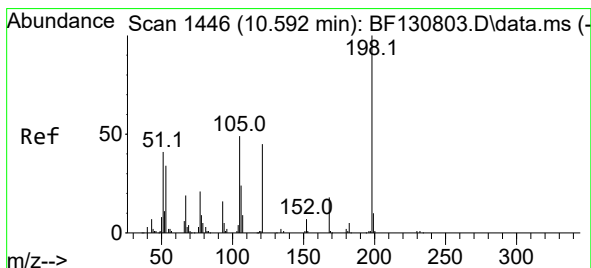
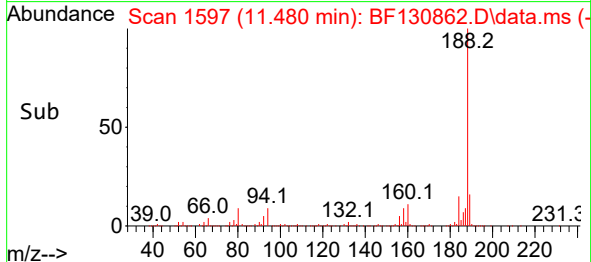
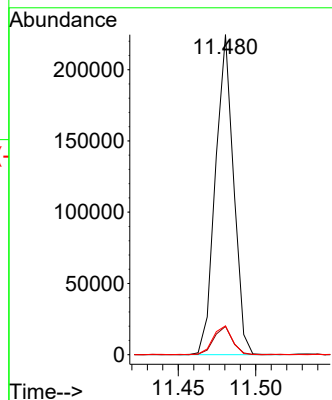
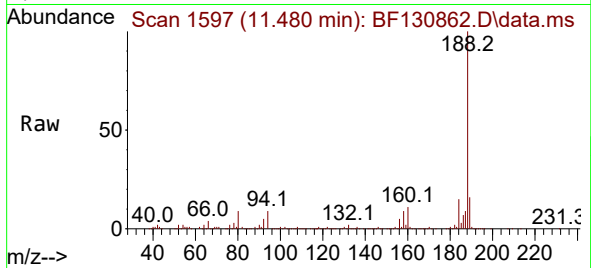




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

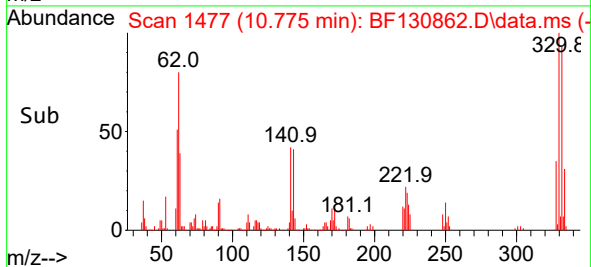
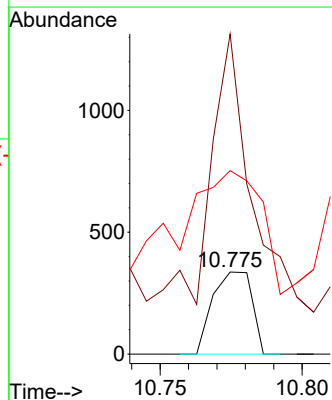
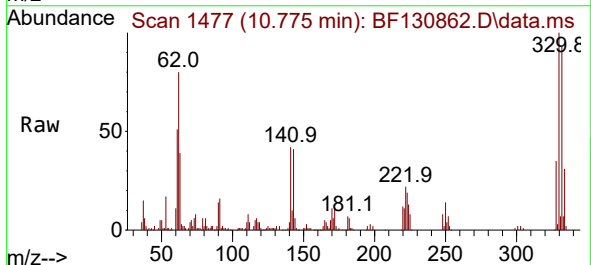
Instrument :
BNA_F
ClientSampleId :
NB-07-102722

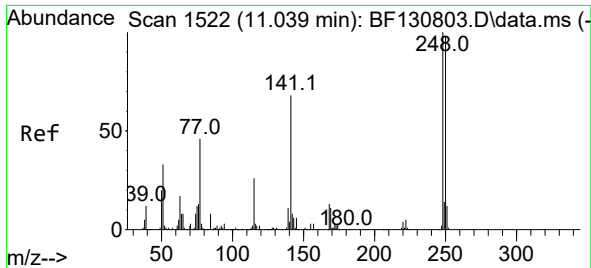
Tgt Ion:188 Resp: 182971
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.0 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.282 ng
RT: 10.775 min Scan# 1477
Delta R.T. 0.188 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:198 Resp: 324
Ion Ratio Lower Upper
198 100
51 389.9 39.0 79.0#
105 223.4 30.6 70.6#

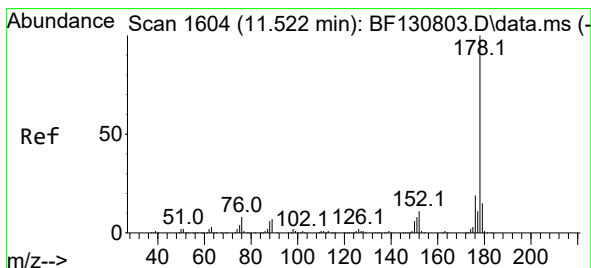
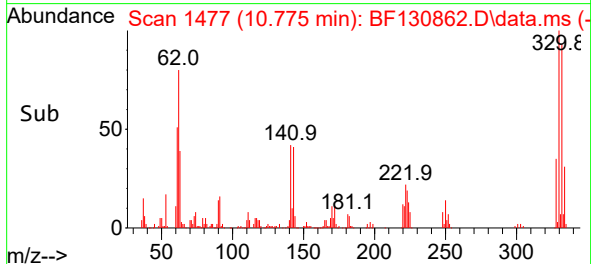
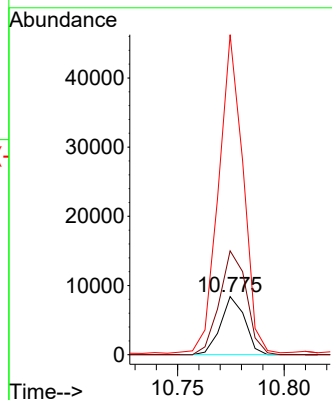
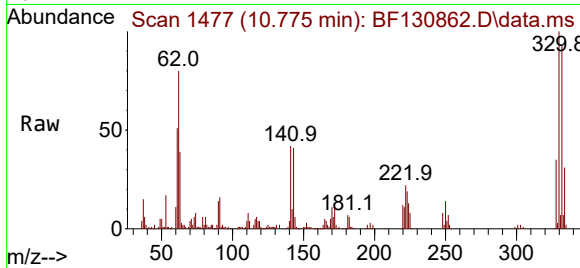




#67
4-Bromophenyl-phenylether
Concen: 3.613 ng
RT: 10.775 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

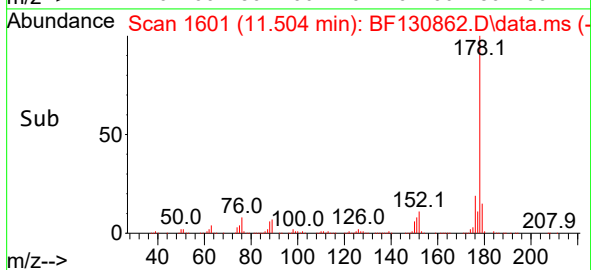
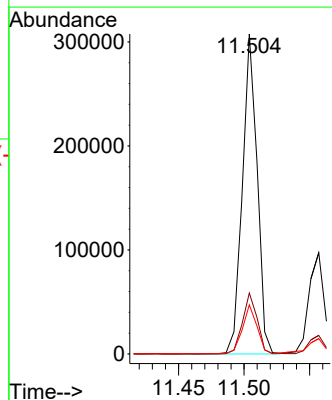
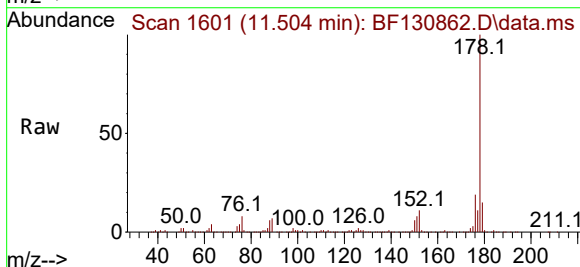
Instrument :
BNA_F
ClientSampleId :
NB-07-102722

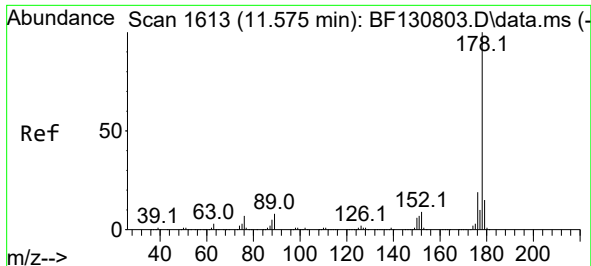
Tgt Ion:248 Resp: 6648
Ion Ratio Lower Upper
248 100
250 178.7 78.6 117.8#
141 550.5 54.2 81.4#



#71
Phenanthrene
Concen: 25.564 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:178 Resp: 241419
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.2 18.2

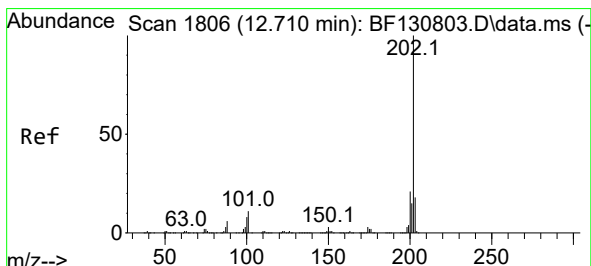
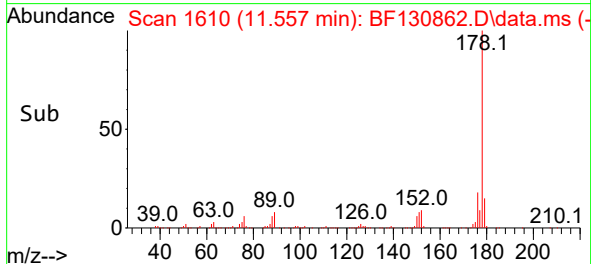
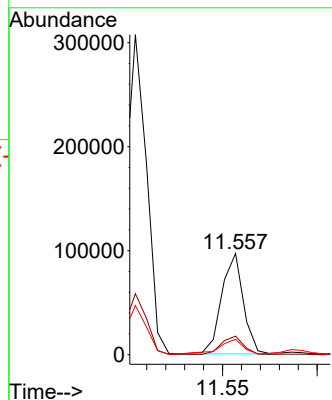
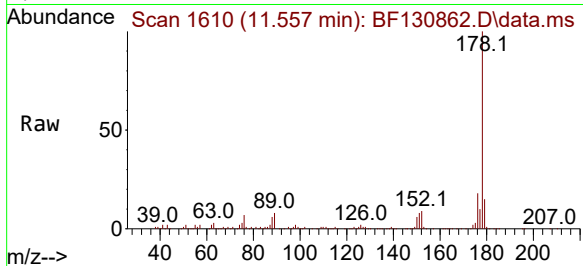




#72
 Anthracene
 Concen: 8.291 ng
 RT: 11.557 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF130862.D
 Acq: 29 Oct 2022 17:47

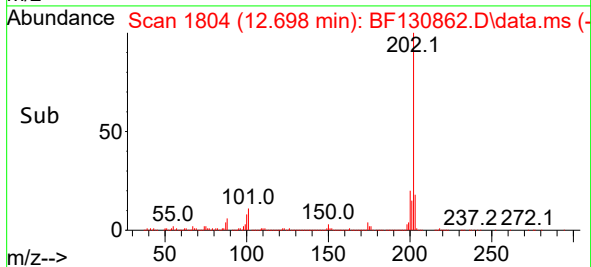
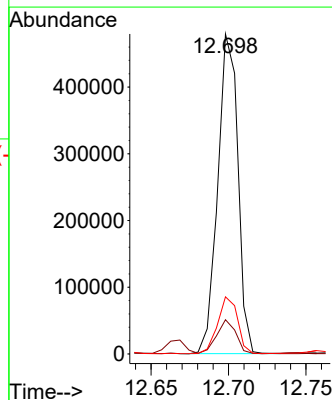
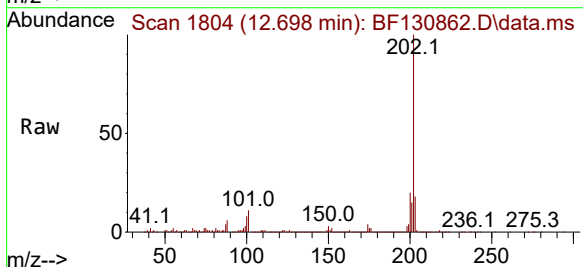
Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102722

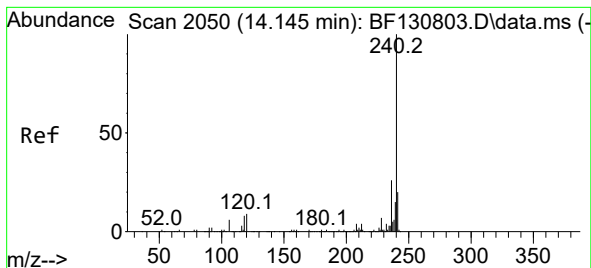
Tgt Ion:178 Resp: 77230
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.2 12.2 18.4



#75
 Fluoranthene
 Concen: 43.116 ng
 RT: 12.698 min Scan# 1804
 Delta R.T. -0.006 min
 Lab File: BF130862.D
 Acq: 29 Oct 2022 17:47

Tgt Ion:202 Resp: 432623
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.9
 203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2050

Delta R.T. -0.006 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

NB-07-102722

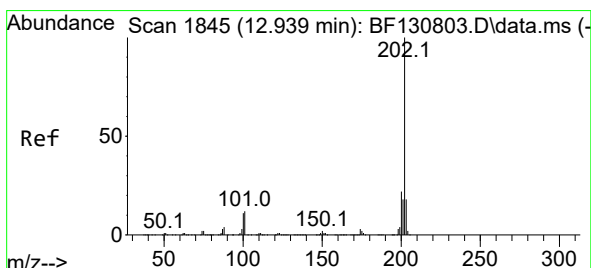
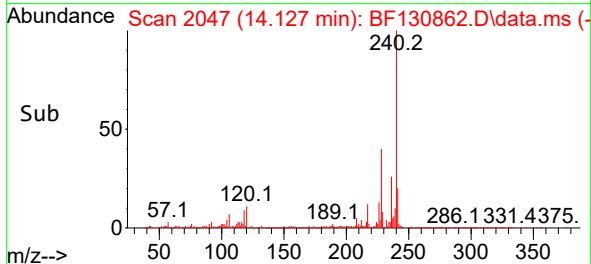
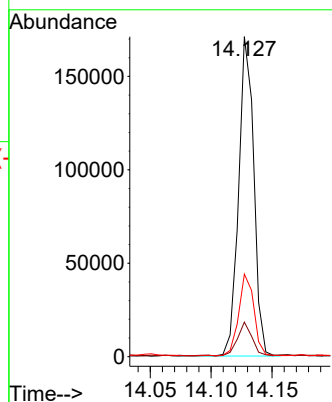
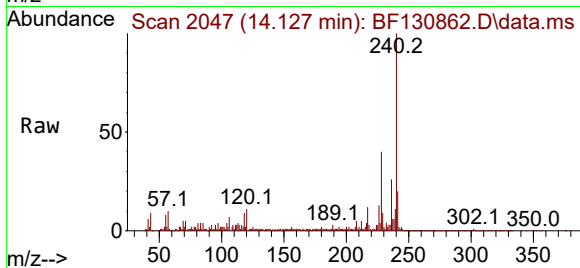
Tgt Ion:240 Resp: 148464

Ion Ratio Lower Upper

240 100

120 10.8 7.0 10.4#

236 25.8 20.5 30.7



#78

Pyrene

Concen: 31.151 ng

RT: 12.933 min Scan# 1844

Delta R.T. 0.000 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

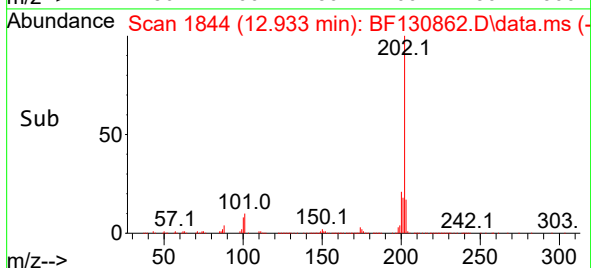
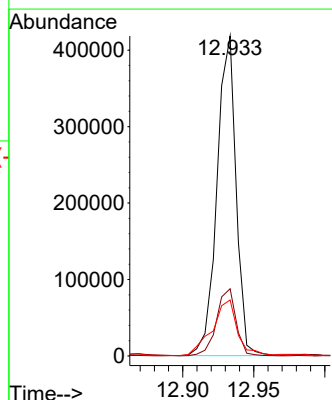
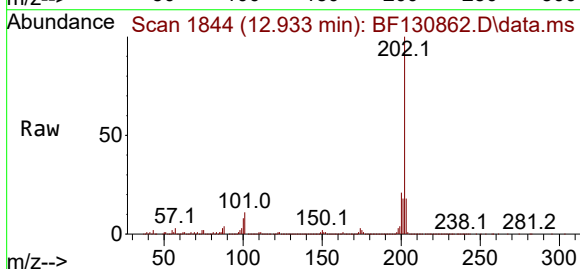
Tgt Ion:202 Resp: 390184

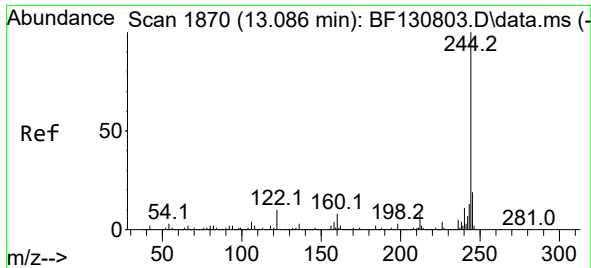
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.5 14.5 21.7

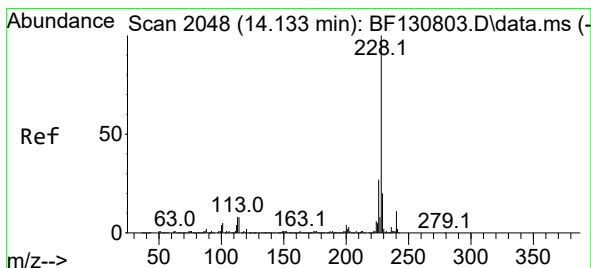
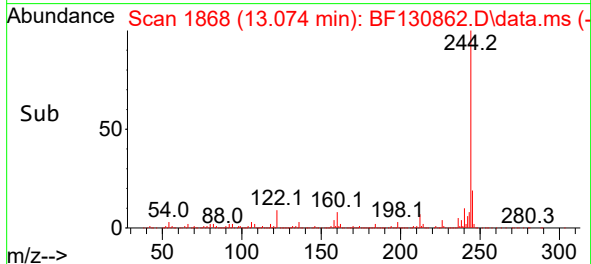
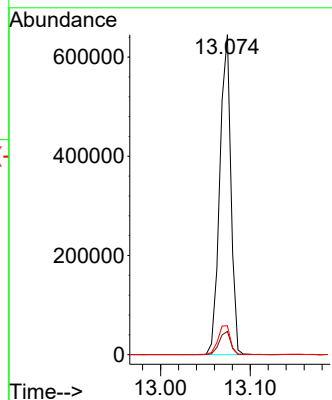
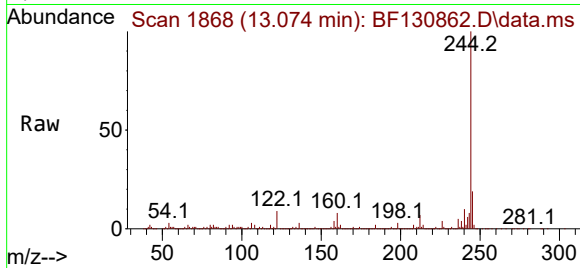




#79
 Terphenyl-d14
 Concen: 68.463 ng
 RT: 13.074 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: BF130862.D
 Acq: 29 Oct 2022 17:47

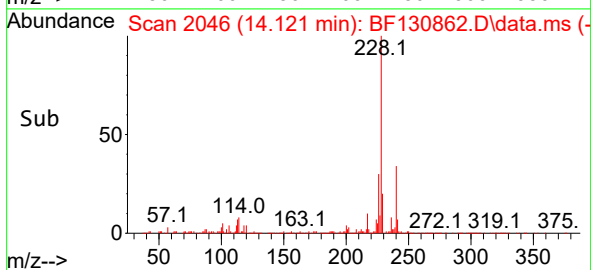
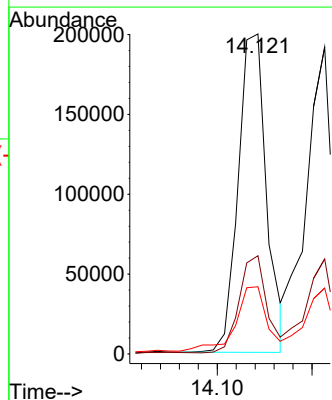
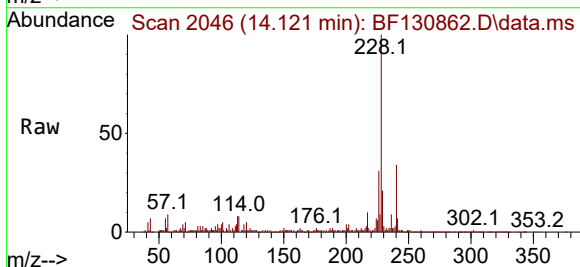
Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102722

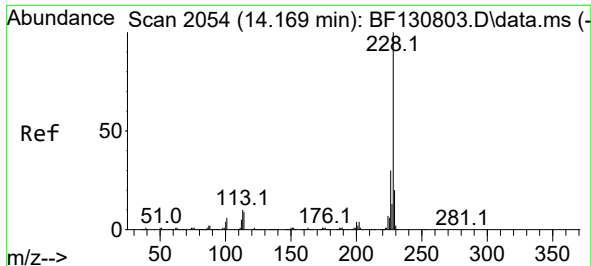
Tgt Ion:244 Resp: 554678
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 9.1 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 21.051 ng
 RT: 14.121 min Scan# 2046
 Delta R.T. -0.000 min
 Lab File: BF130862.D
 Acq: 29 Oct 2022 17:47

Tgt Ion:228 Resp: 207208
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.4 32.2
 229 21.0 15.8 23.6

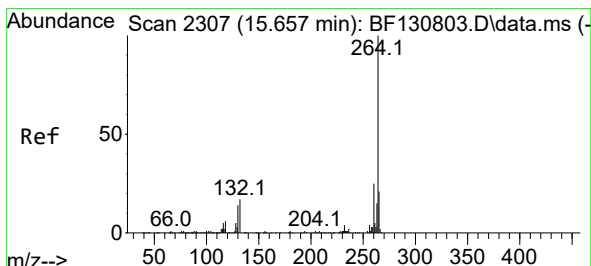
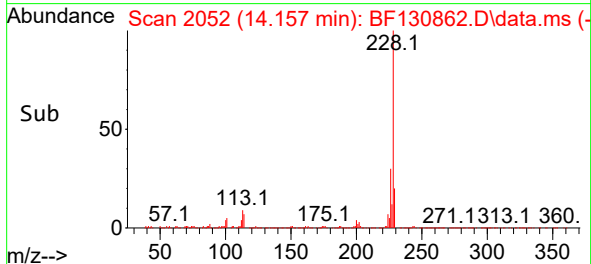
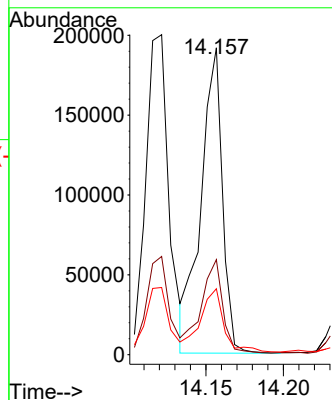
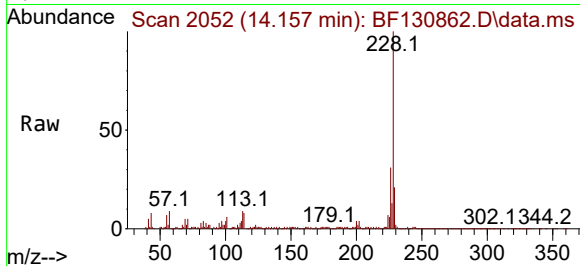




#83
Chrysene
Concen: 19.445 ng
RT: 14.157 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

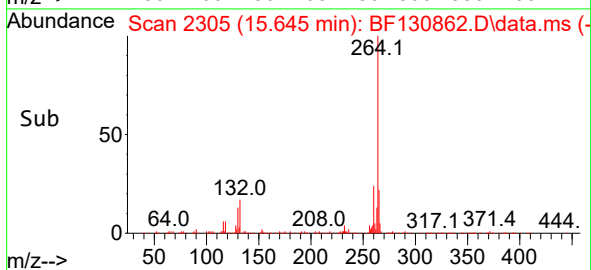
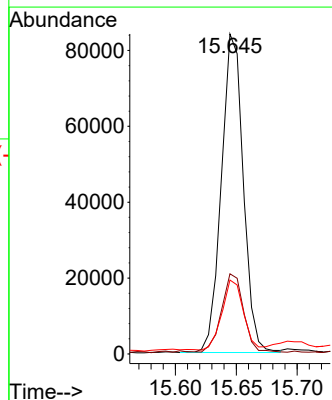
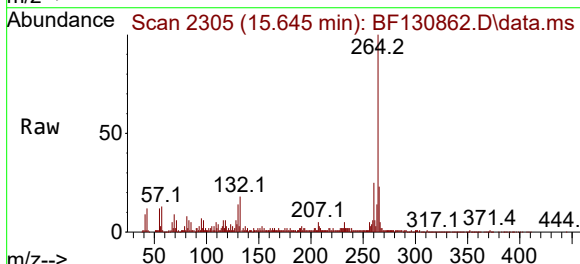
Instrument :
BNA_F
ClientSampleId :
NB-07-102722

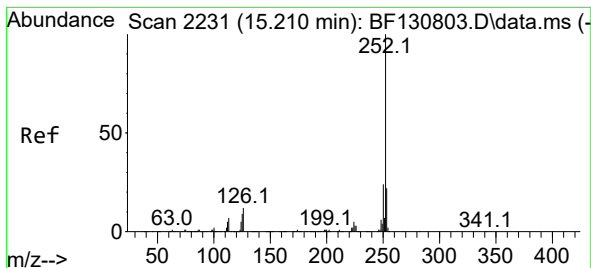
Tgt Ion:228 Resp: 184620
Ion Ratio Lower Upper
228 100
226 31.0 23.9 35.9
229 21.5 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:264 Resp: 105276
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 23.1 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 37.344 ng

RT: 15.198 min Scan# 2229

Delta R.T. 0.000 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

NB-07-102722

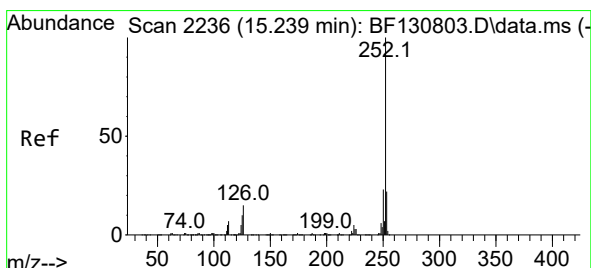
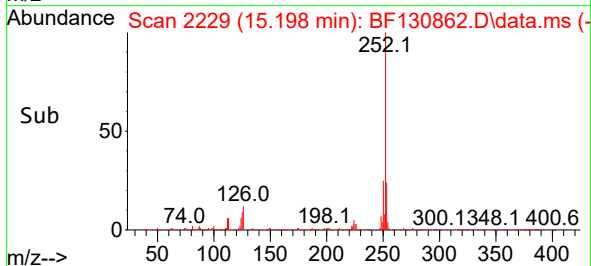
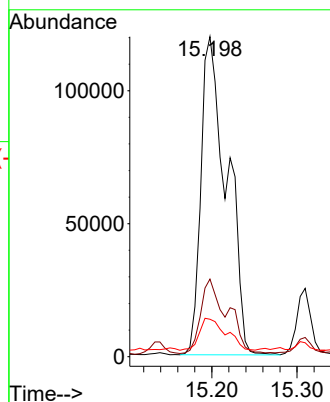
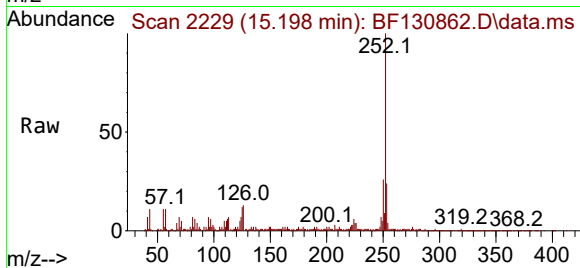
Tgt Ion:252 Resp: 254137

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 11.7 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 38.324 ng

RT: 15.198 min Scan# 2229

Delta R.T. -0.029 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

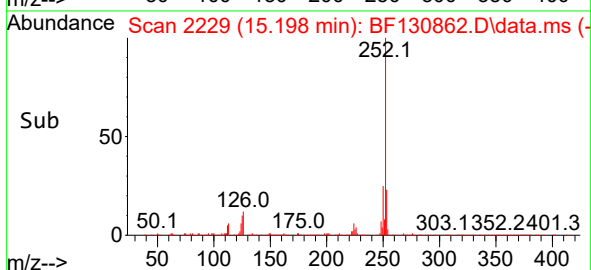
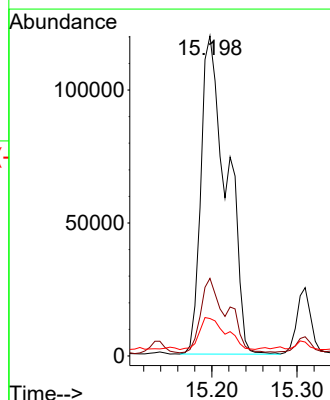
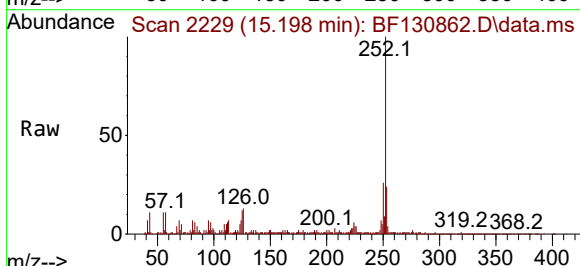
Tgt Ion:252 Resp: 254137

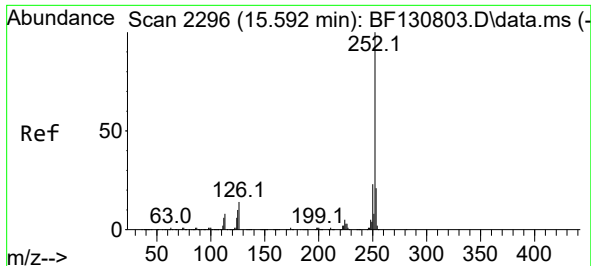
Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 11.7 8.0 12.0

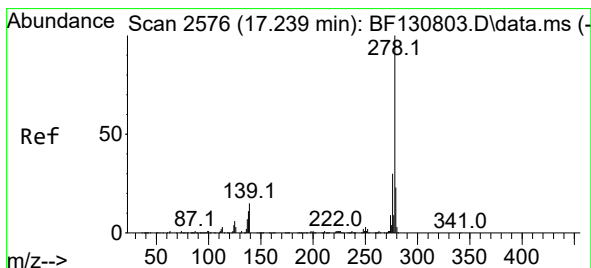
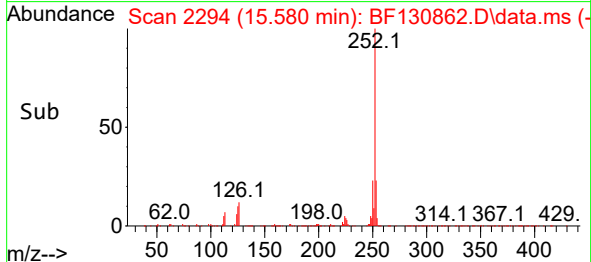
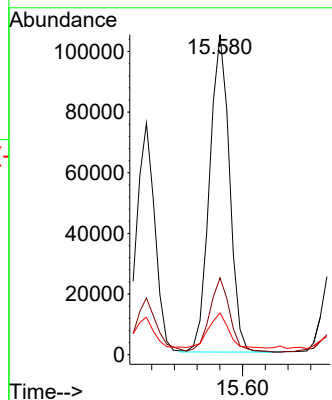
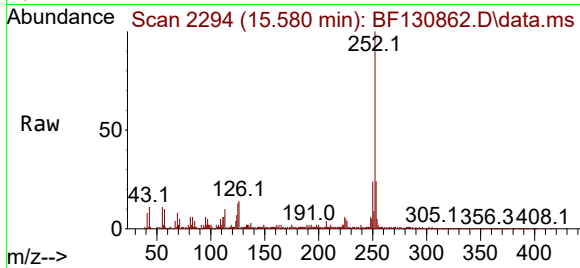




#90
Benzo(a)pyrene
Concen: 23.263 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

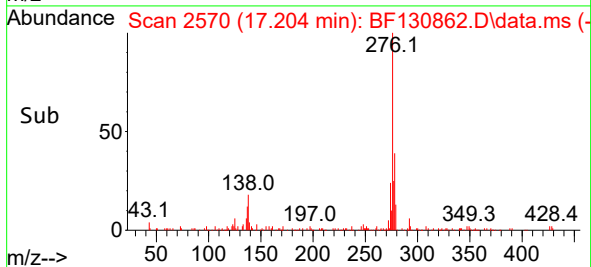
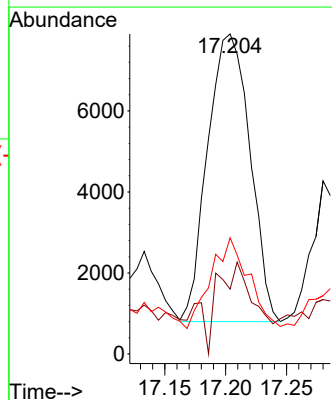
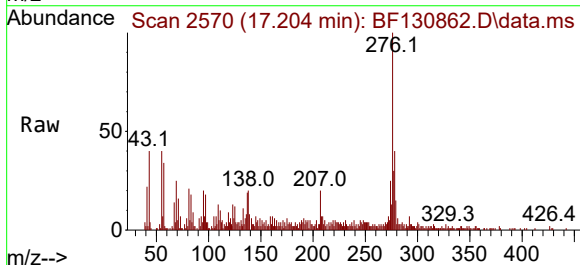
Instrument :
BNA_F
ClientSampleId :
NB-07-102722

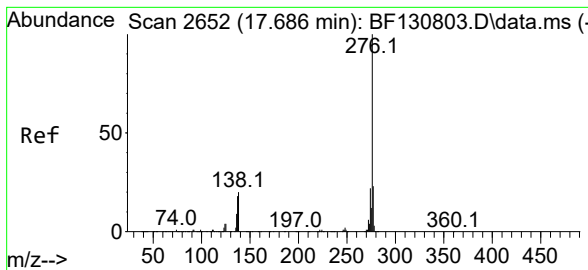
Tgt Ion:252 Resp: 127267
Ion Ratio Lower Upper
252 100
253 24.0 16.8 25.2
125 13.0 8.3 12.5#



#91
Dibenzo(a,h)anthracene
Concen: 3.019 ng
RT: 17.204 min Scan# 2570
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:278 Resp: 17207
Ion Ratio Lower Upper
278 100
139 20.3 11.9 17.9#
279 36.3 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 11.186 ng
 RT: 17.662 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF130862.D
 Acq: 29 Oct 2022 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102722

Tgt Ion:	276	Resp:	65040
Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	20.3	16.3	24.5

