

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132925.D
 Acq On : 19 Apr 2023 22:14
 Operator : CG\JU
 Sample : 02389-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-3WC-23-04-17

Quant Time: Apr 20 01:51:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 04:51:21 2023
 Response via : Initial Calibration

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

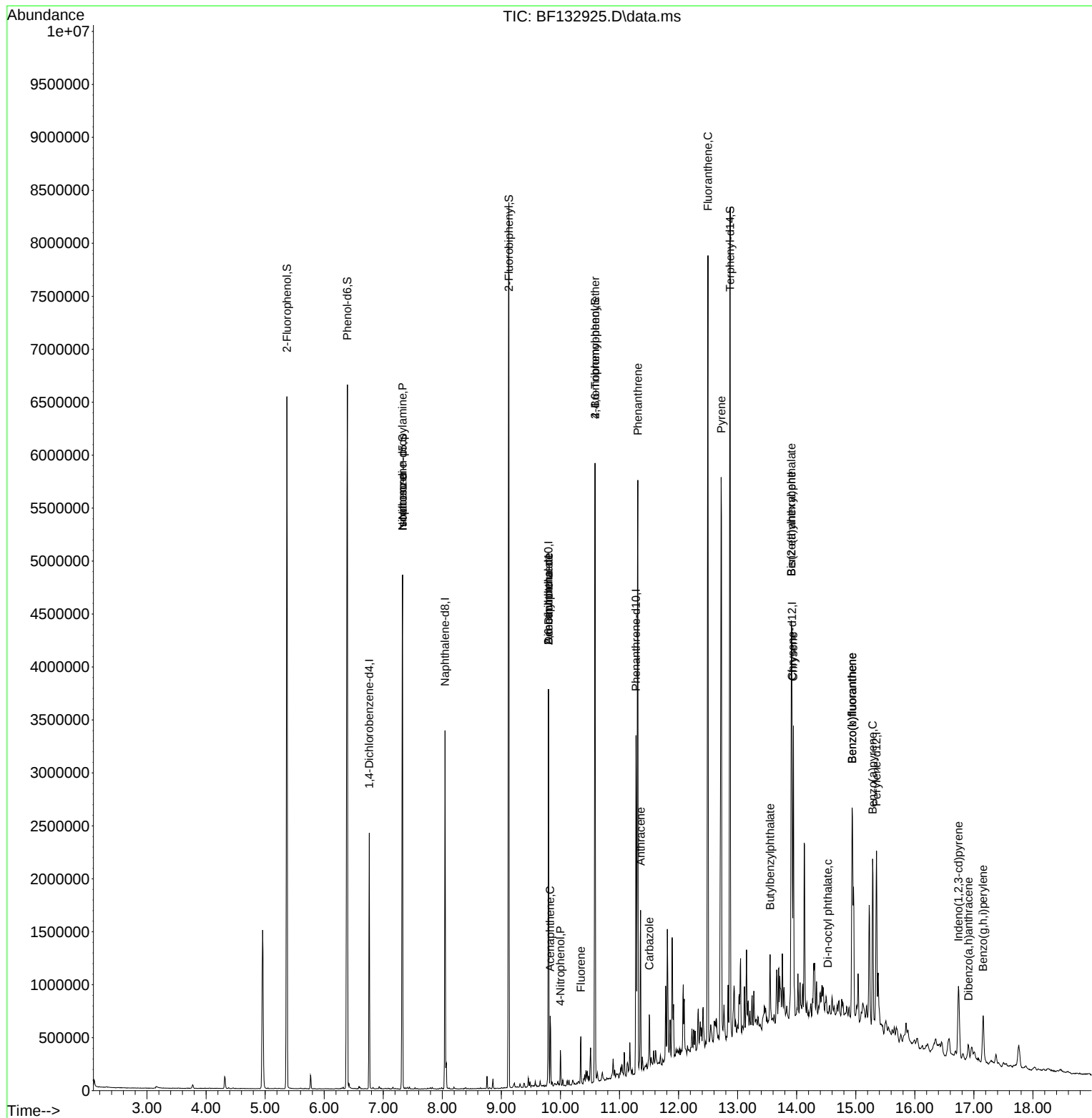
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	293730	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	1221294	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	650343	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	1158904	20.000	ng	0.00
76) Chrysene-d12	13.921	240	668035	20.000	ng	0.00
86) Perylene-d12	15.351	264	690618	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1873146	99.717	ng	0.00
7) Phenol-d6	6.392	99	2406491	100.396	ng	0.00
23) Nitrobenzene-d5	7.328	82	1476865	63.033	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	678668	104.043	ng	0.00
45) 2-Fluorobiphenyl	9.128	172	2524452	59.632	ng	0.00
79) Terphenyl-d14	12.874	244	2854149	72.891	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	196411	13.127	ng	# 79
25) Isophorone	7.328	82	1474703	33.182	ng	# 65
50) Dimethylphthalate	9.798	163	128570	2.860	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	86183	8.742	ng	# 28
52) Acenaphthene	9.828	154	125313	3.196	ng	99
56) 4-Nitrophenol	9.998	139	34433	4.132	ng	# 16
58) Fluorene	10.345	166	111667	2.740	ng	97
67) 4-Bromophenyl-phenylether	10.586	248	42414	3.205	ng	# 1
71) Phenanthrene	11.310	178	1963712	31.502	ng	100
72) Anthracene	11.357	178	533180	8.355	ng	98
73) Carbazole	11.504	167	192900	3.494	ng	99
75) Fluoranthene	12.498	202	2900758	46.794	ng	99
78) Pyrene	12.721	202	2389807	43.750	ng	99
80) Butylbenzylphthalate	13.551	149	5016	5.474	ng	100
81) Benzo(a)anthracene	13.910	228	1108617	24.402	ng	99
83) Chrysene	13.945	228	937805	20.768	ng	98
84) Bis(2-ethylhexyl)phtha...	13.910	149	45843	2.653	ng	# 95
85) Di-n-octyl phthalate	14.527	149	3903	6.473	ng	# 68
87) Indeno(1,2,3-cd)pyrene	16.739	276	408868	10.361	ng	94
88) Benzo(b)fluoranthene	14.939	252	1480983	34.426	ng	97
89) Benzo(k)fluoranthene	14.939	252	1480983	34.559	ng	97
90) Benzo(a)pyrene	15.286	252	719235	18.300	ng	97
91) Dibenzo(a,h)anthracene	16.909	278	94072	2.798	ng	97
92) Benzo(g,h,i)perylene	17.156	276	321718	9.993	ng	97

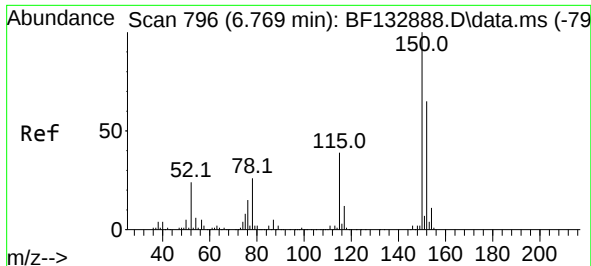
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
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SPB-3WC-23-04-17

Quant Time: Apr 20 01:51:31 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 04:51:21 2023
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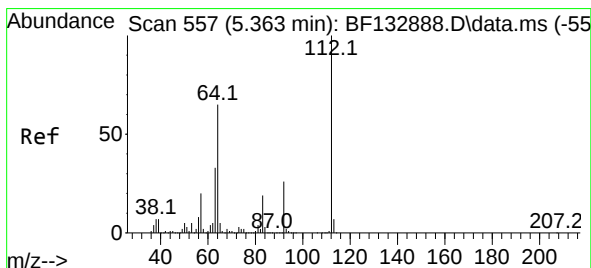
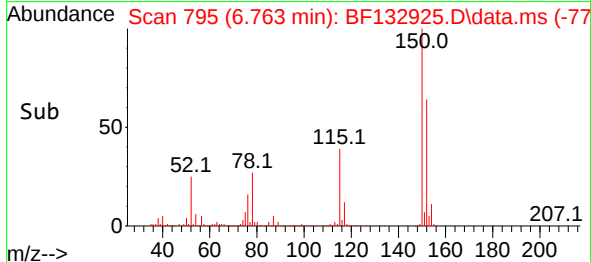
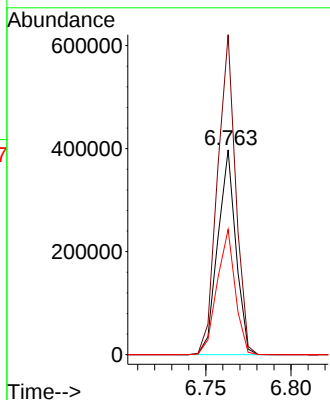
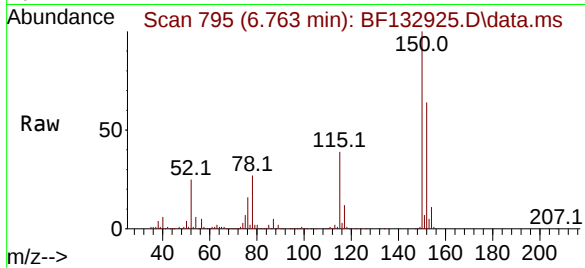




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

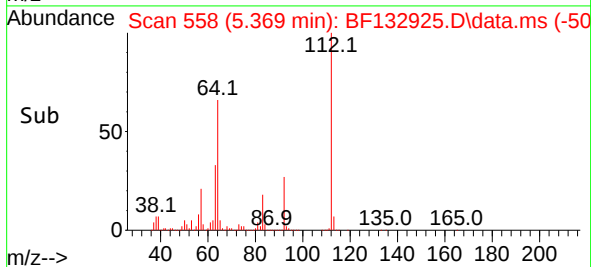
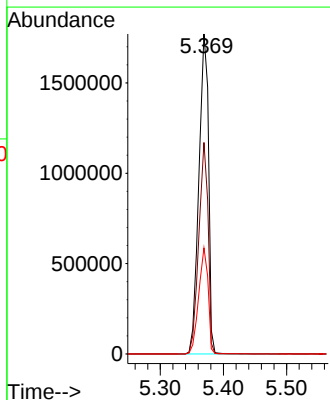
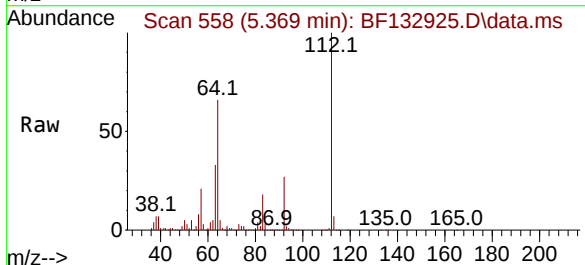
Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

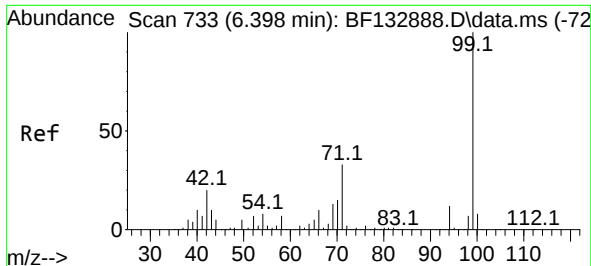
Tgt Ion:152 Resp: 293730
Ion Ratio Lower Upper
152 100
150 156.3 122.8 184.2
115 61.2 47.3 70.9



#5
2-Fluorophenol
Concen: 99.717 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

Tgt Ion:112 Resp: 1873146
Ion Ratio Lower Upper
112 100
64 66.1 51.8 77.8
63 33.1 26.3 39.5

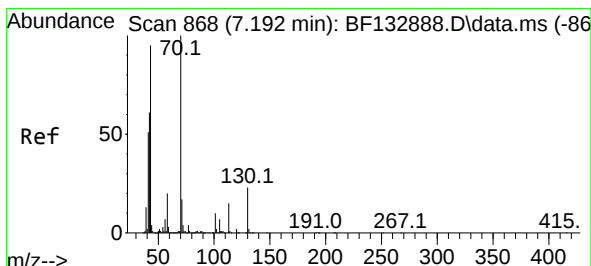
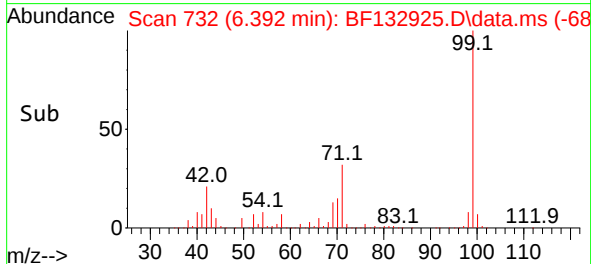
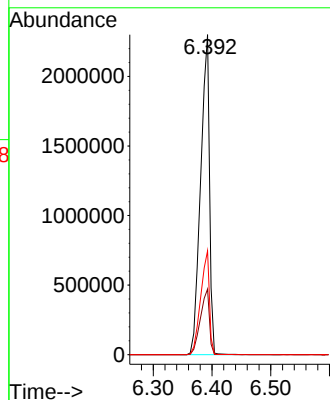
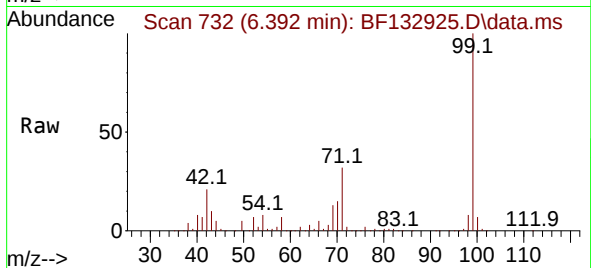




#7
Phenol-d6
Concen: 100.396 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

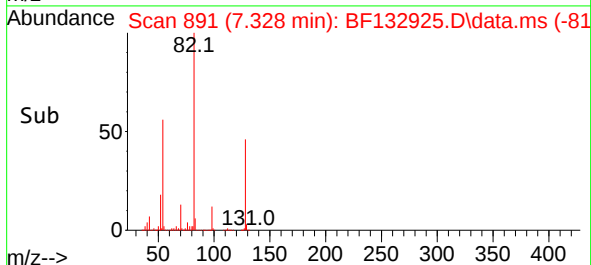
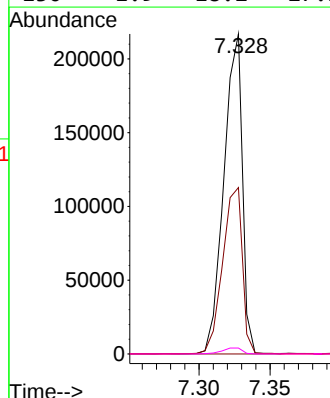
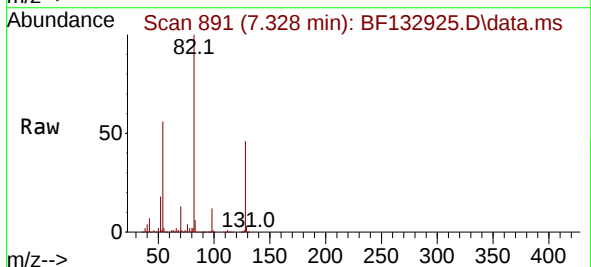
Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

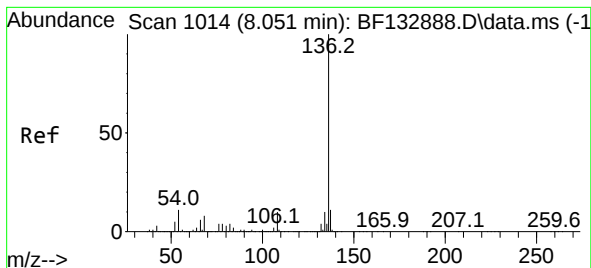
Tgt Ion: 99 Resp: 2406491
Ion Ratio Lower Upper
99 100
42 20.5 16.1 24.1
71 32.4 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 13.127 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.135 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

Tgt Ion: 70 Resp: 196411
Ion Ratio Lower Upper
70 100
42 52.0 49.0 73.6
101 0.0 8.1 12.1#
130 1.9 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.045 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Instrument :

BNA_F

ClientSampleId :

SPB-3WC-23-04-17

Tgt Ion:136 Resp: 1221294

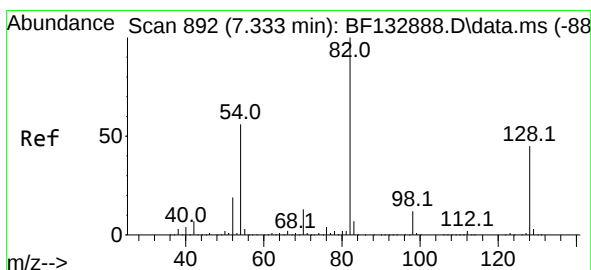
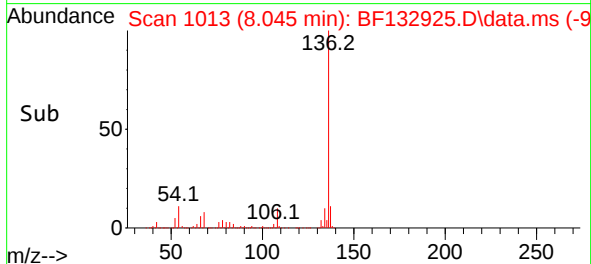
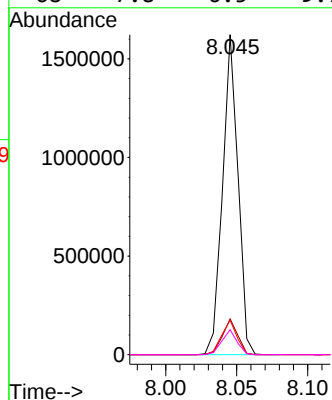
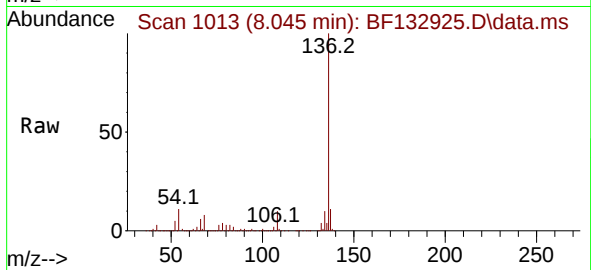
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 10.8 8.9 13.3

68 7.8 6.5 9.7



#23

Nitrobenzene-d5

Concen: 63.033 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

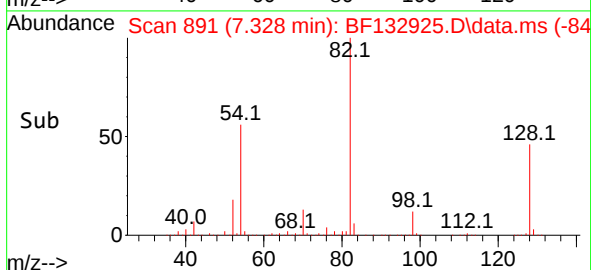
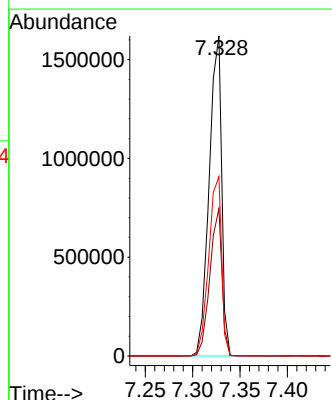
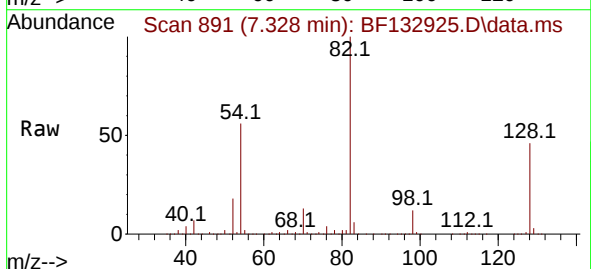
Tgt Ion: 82 Resp: 1476865

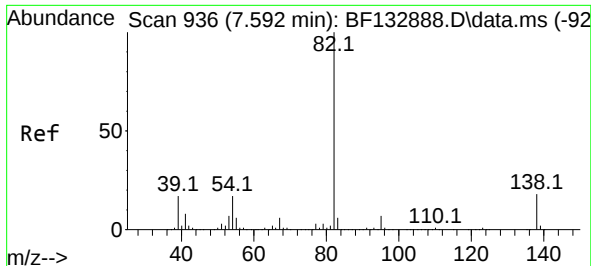
Ion Ratio Lower Upper

82 100

128 46.1 35.7 53.5

54 56.0 44.7 67.1

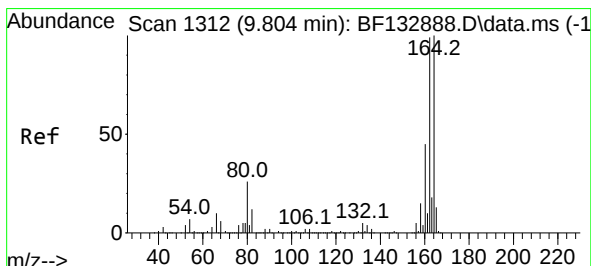
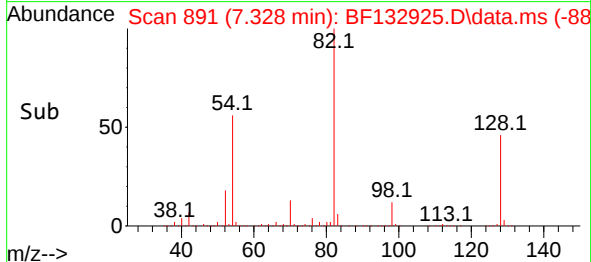
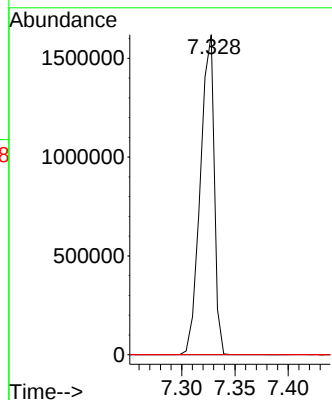
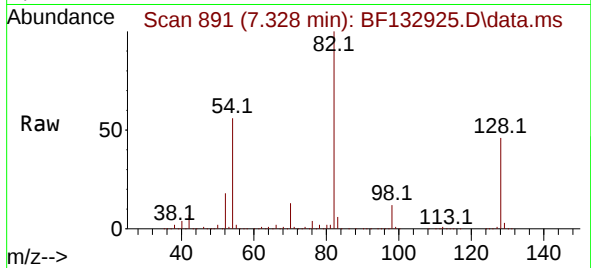




#25
Isophorone
Concen: 33.182 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

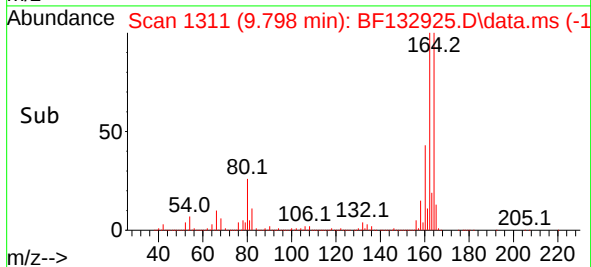
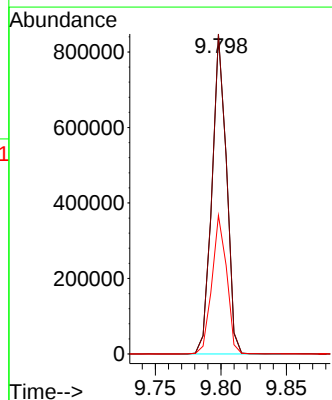
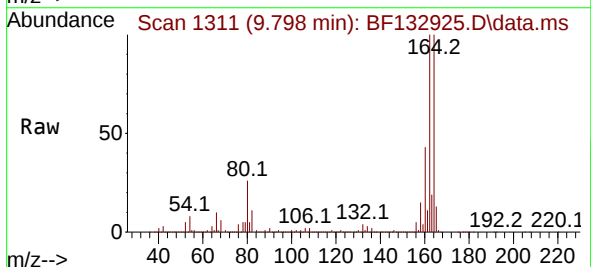
Instrument :
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ClientSampleId :
SPB-3WC-23-04-17

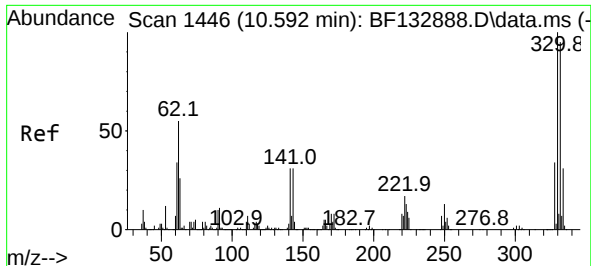
Tgt Ion: 82 Resp: 1474703
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

Tgt Ion:164 Resp: 650343
Ion Ratio Lower Upper
164 100
162 100.1 79.1 118.7
160 43.4 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 104.043 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Instrument :

BNA_F

ClientSampleId :

SPB-3WC-23-04-17

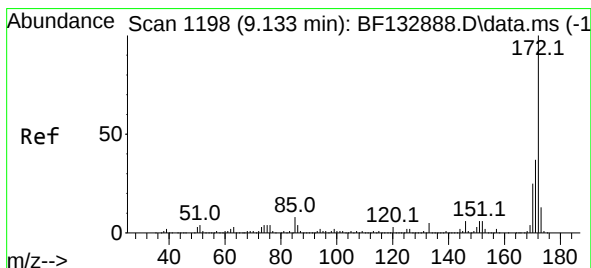
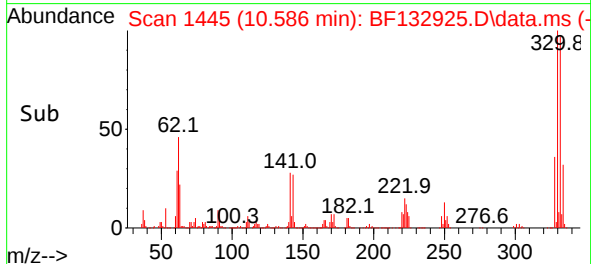
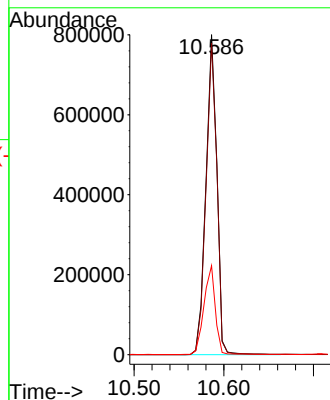
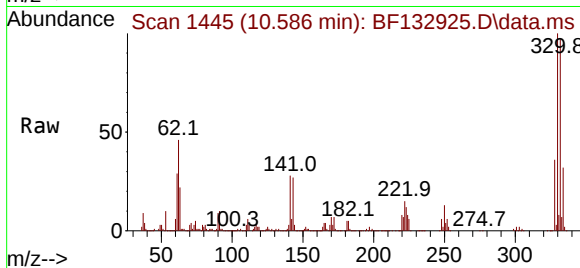
Tgt Ion:330 Resp: 678668

Ion Ratio Lower Upper

330 100

332 97.4 76.3 114.5

141 29.0 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 59.632 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

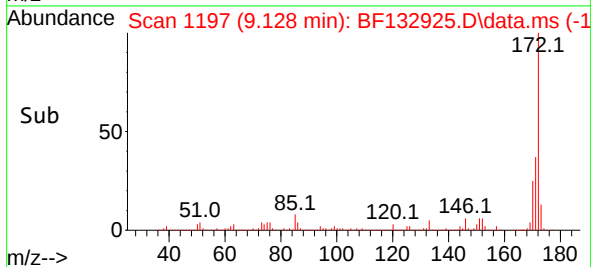
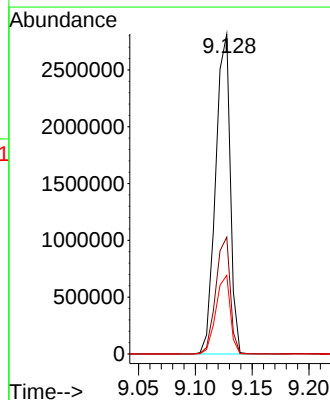
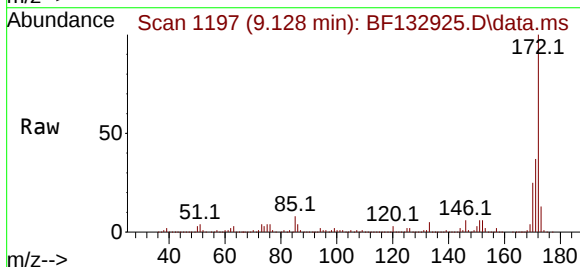
Tgt Ion:172 Resp: 2524452

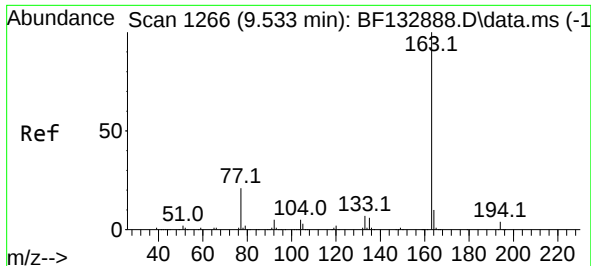
Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.0

170 24.6 20.1 30.1

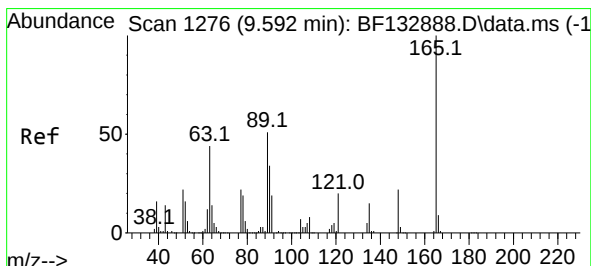
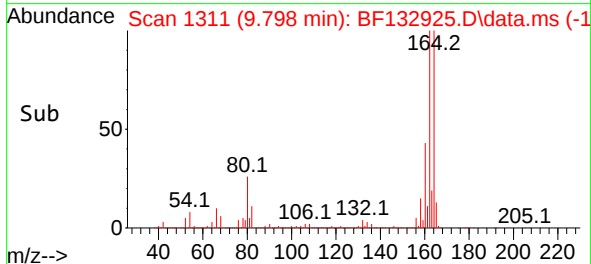
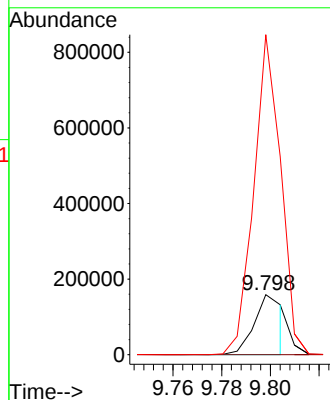
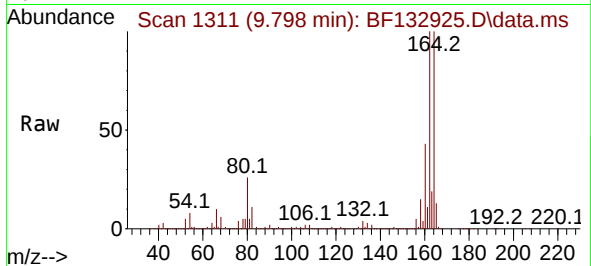




#50
 Dimethylphthalate
 Concen: 2.860 ng
 RT: 9.798 min Scan# 1311
 Delta R.T. 0.265 min
 Lab File: BF132925.D
 Acq: 19 Apr 2023 22:14

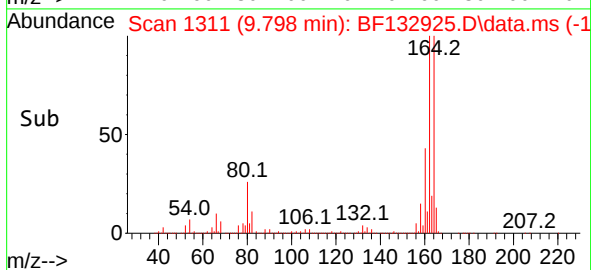
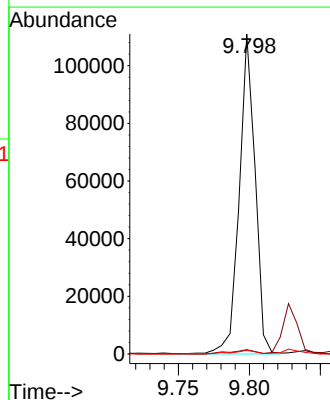
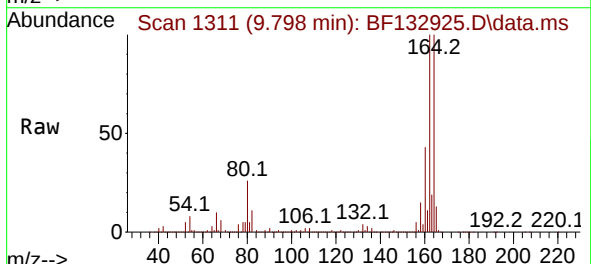
Instrument :
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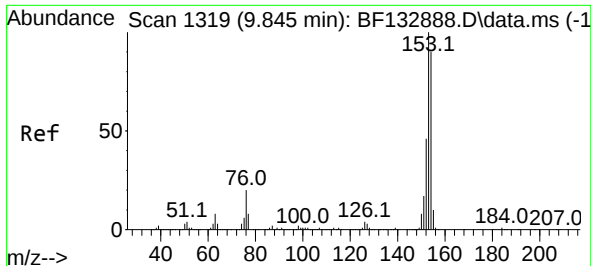
Tgt Ion:163 Resp: 128570
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.4 5.0#
 164 532.5 8.3 12.5#



#51
 2,6-Dinitrotoluene
 Concen: 8.742 ng
 RT: 9.798 min Scan# 1311
 Delta R.T. 0.206 min
 Lab File: BF132925.D
 Acq: 19 Apr 2023 22:14

Tgt Ion:165 Resp: 86183
 Ion Ratio Lower Upper
 165 100
 63 1.3 42.6 63.8#
 89 1.2 41.0 61.4#

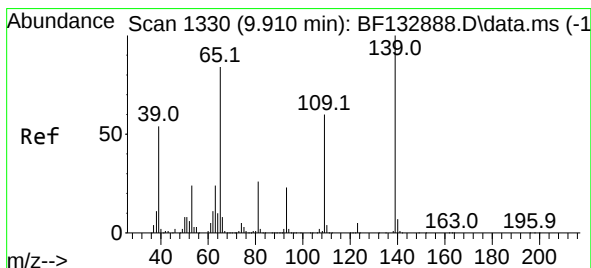
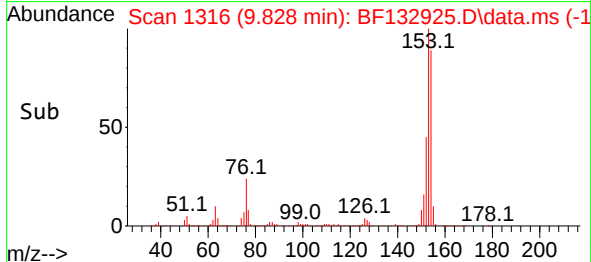
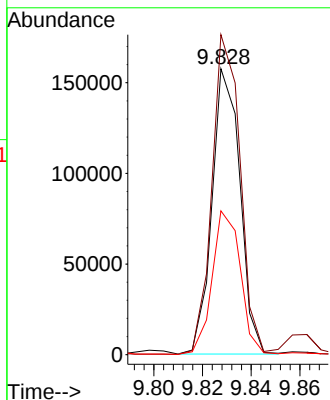
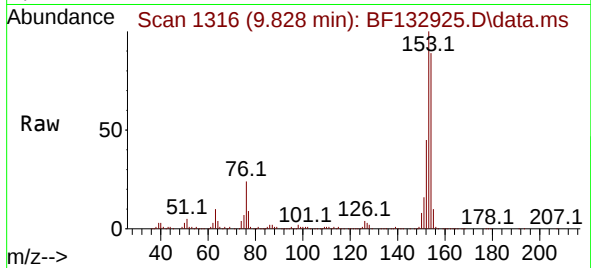




#52
Acenaphthene
Concen: 3.196 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

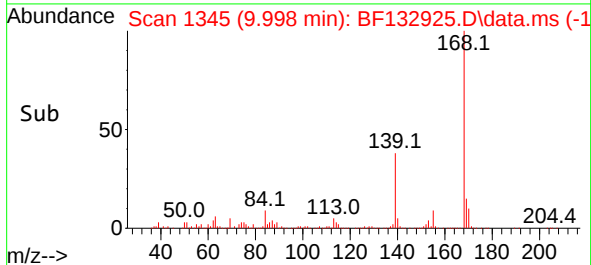
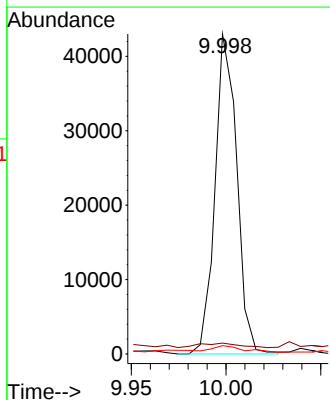
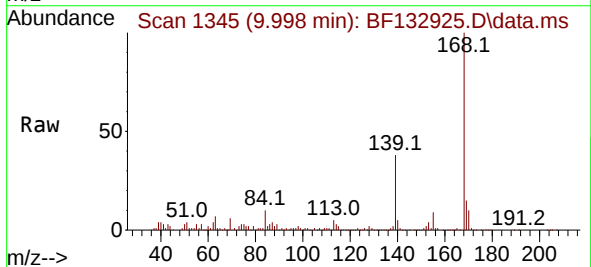
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SPB-3WC-23-04-17

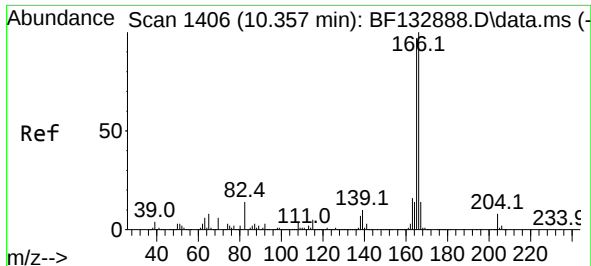
Tgt Ion:154 Resp: 125313
Ion Ratio Lower Upper
154 100
153 111.9 88.8 133.2
152 50.3 41.2 61.8



#56
4-Nitrophenol
Concen: 4.132 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.088 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

Tgt Ion:139 Resp: 34433
Ion Ratio Lower Upper
139 100
109 3.4 40.4 80.4#
65 2.6 64.2 104.2#

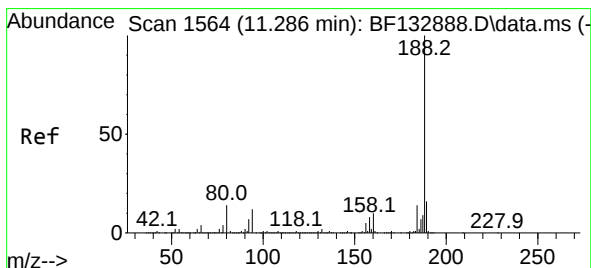
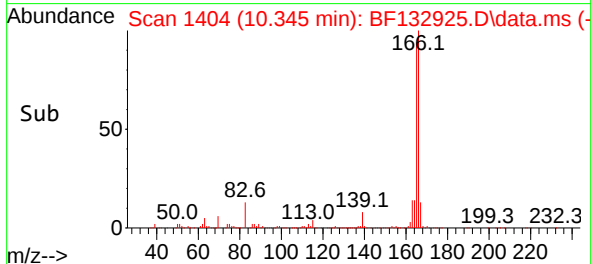
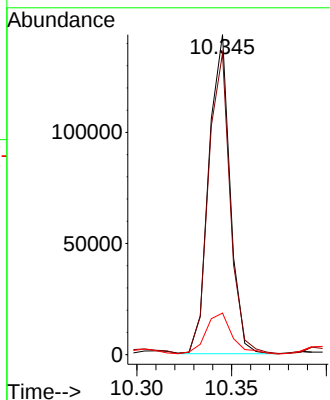
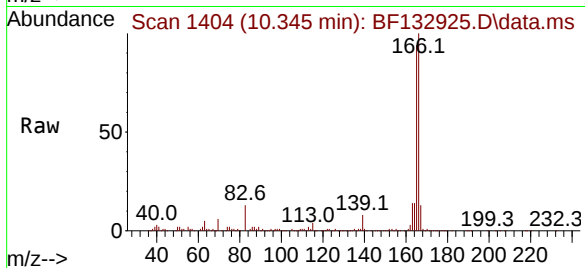




#58
Fluorene
Concen: 2.740 ng
RT: 10.345 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

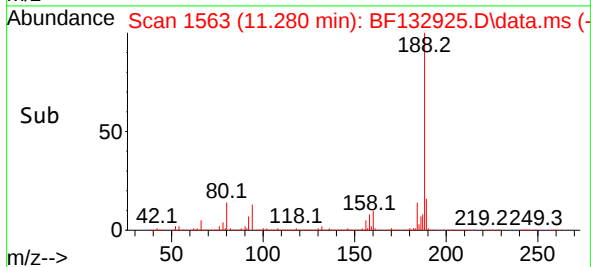
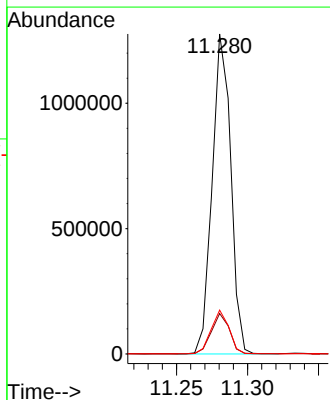
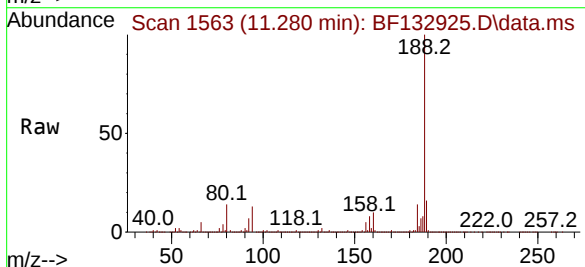
Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

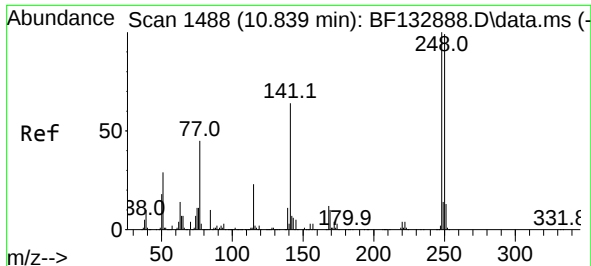
Tgt Ion:166 Resp: 111667
Ion Ratio Lower Upper
166 100
165 94.2 78.0 117.0
167 13.0 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

Tgt Ion:188 Resp: 1158904
Ion Ratio Lower Upper
188 100
94 12.6 9.9 14.9
80 13.7 10.8 16.2

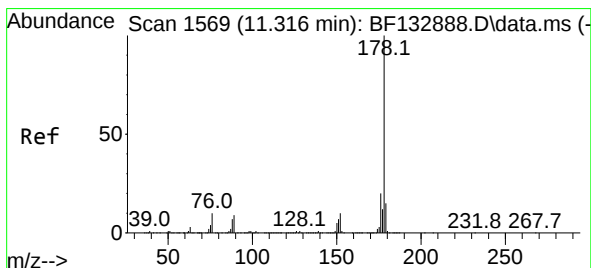
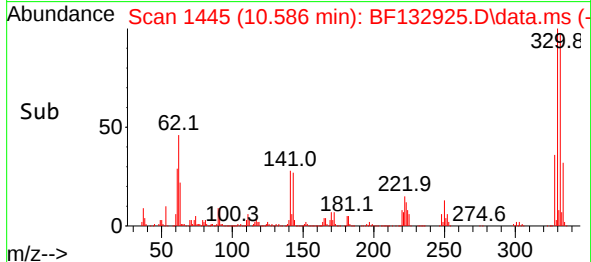
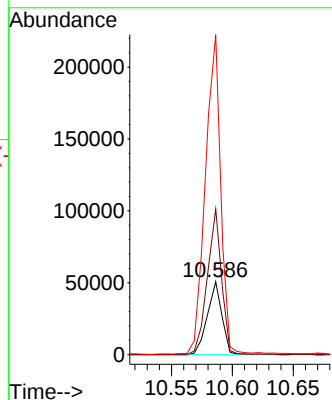
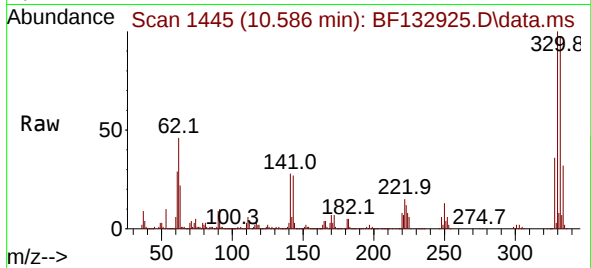




#67
4-Bromophenyl-phenylether
Concen: 3.205 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

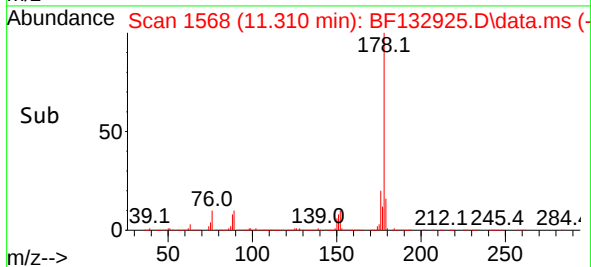
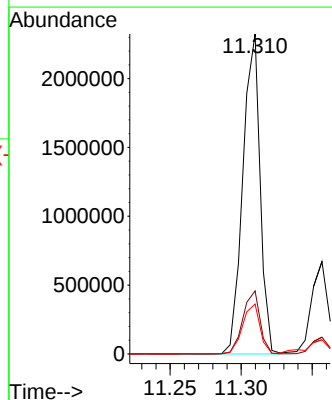
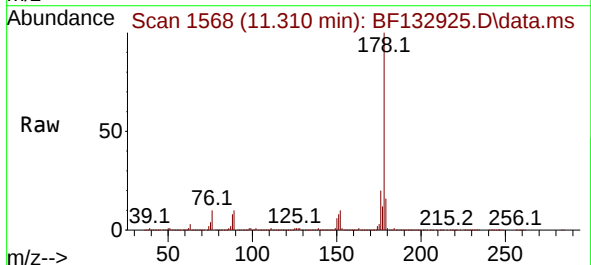
Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

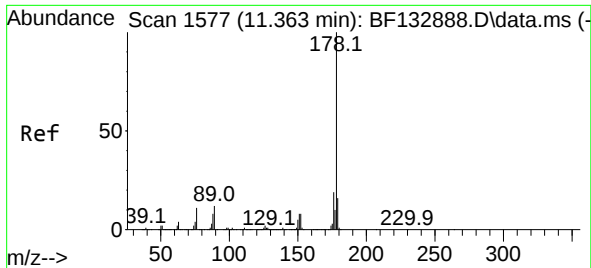
Tgt Ion:248 Resp: 42414
Ion Ratio Lower Upper
248 100
250 200.0 79.1 118.7#
141 439.0 51.0 76.6#



#71
Phenanthrene
Concen: 31.502 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

Tgt Ion:178 Resp: 1963712
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.6 12.3 18.5

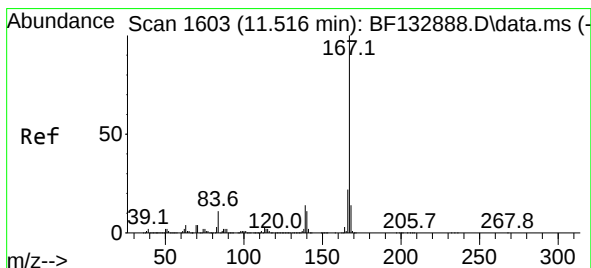
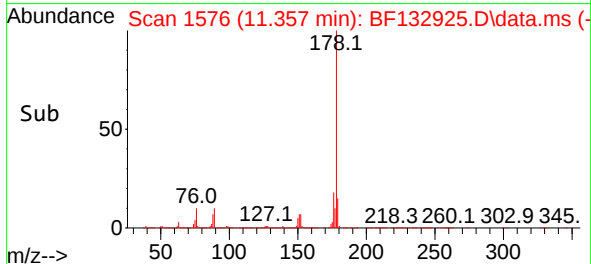
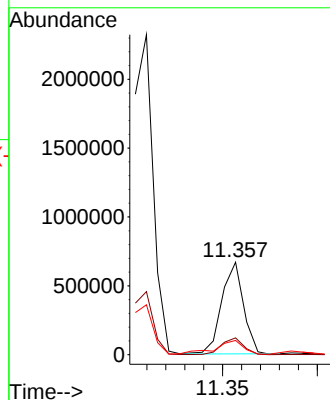
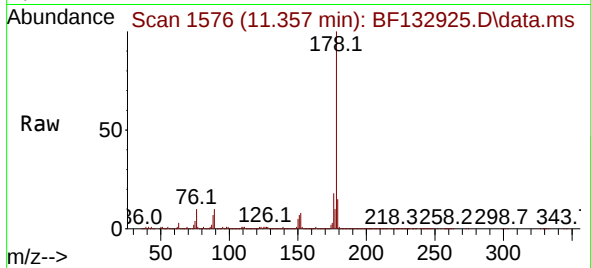




#72
 Anthracene
 Concen: 8.355 ng
 RT: 11.357 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132925.D
 Acq: 19 Apr 2023 22:14

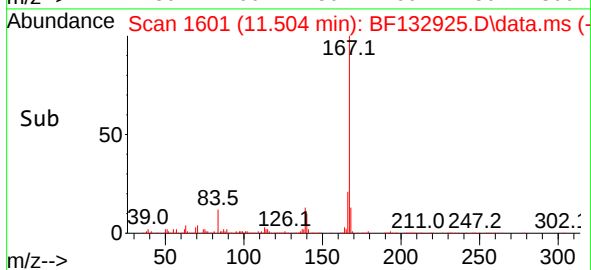
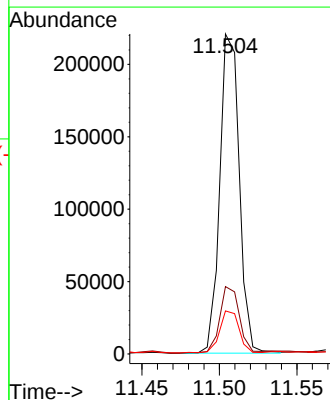
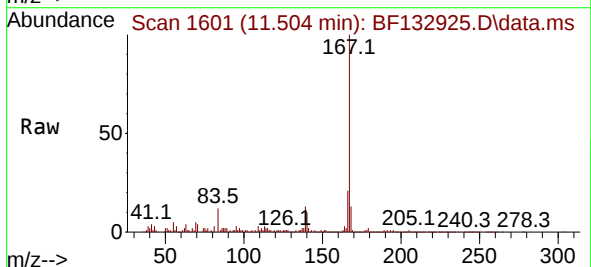
Instrument :
 BNA_F
 ClientSampleId :
 SPB-3WC-23-04-17

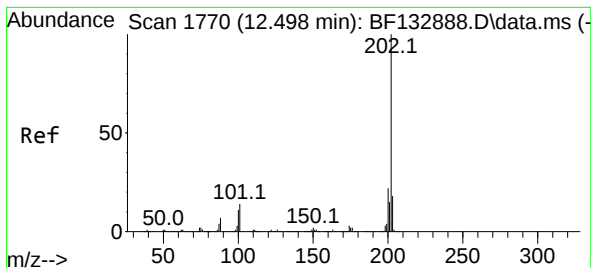
Tgt Ion:178 Resp: 533180
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.5 23.3
 179 15.4 12.8 19.2



#73
 Carbazole
 Concen: 3.494 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. -0.012 min
 Lab File: BF132925.D
 Acq: 19 Apr 2023 22:14

Tgt Ion:167 Resp: 192900
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.2
 139 13.4 11.0 16.4





#75

Fluoranthene

Concen: 46.794 ng

RT: 12.498 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Instrument :

BNA_F

ClientSampleId :

SPB-3WC-23-04-17

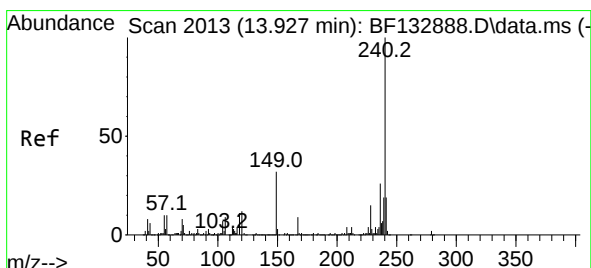
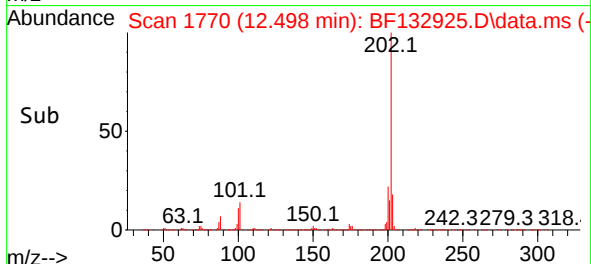
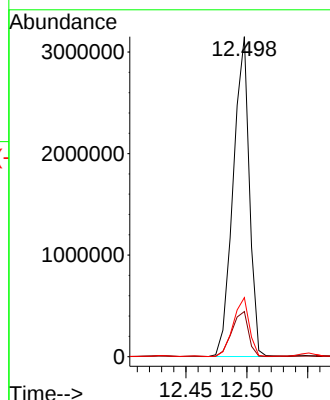
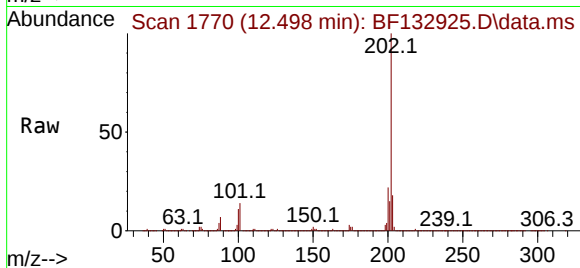
Tgt Ion:202 Resp: 2900758

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.5

203 18.5 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

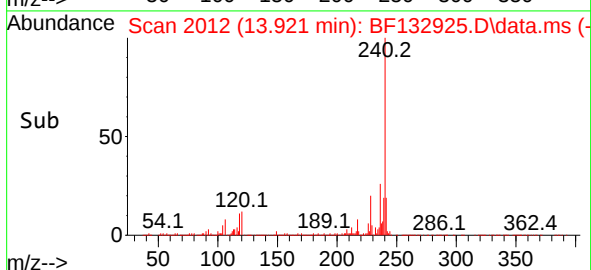
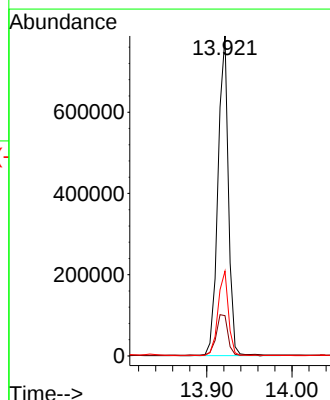
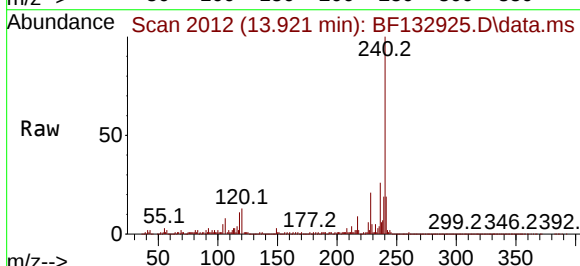
Tgt Ion:240 Resp: 668035

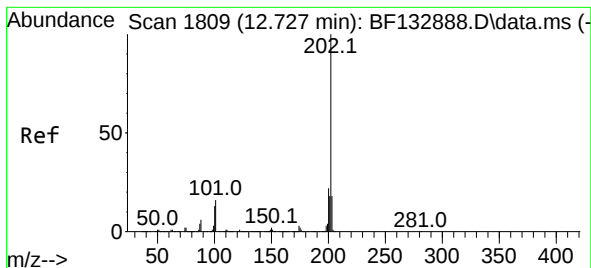
Ion Ratio Lower Upper

240 100

120 12.6 10.0 15.0

236 26.5 20.8 31.2





#78

Pyrene

Concen: 43.750 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Instrument :

BNA_F

ClientSampleId :

SPB-3WC-23-04-17

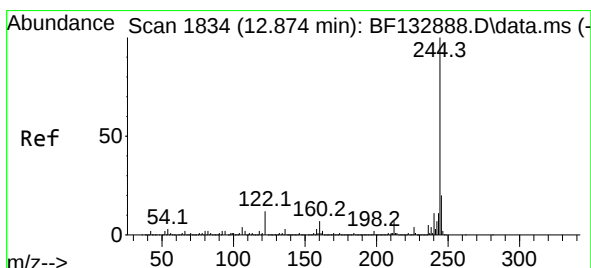
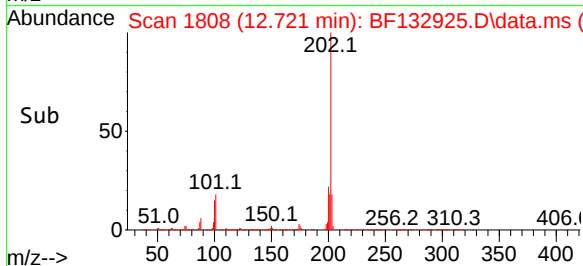
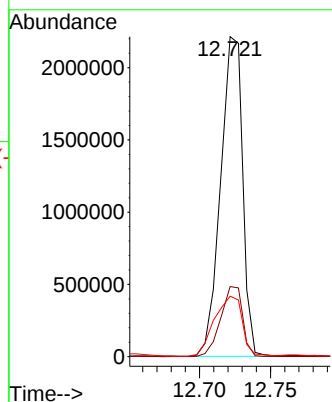
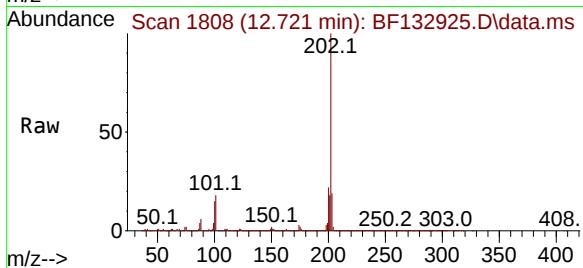
Tgt Ion:202 Resp: 2389807

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

203 18.9 14.6 22.0



#79

Terphenyl-d14

Concen: 72.891 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.000 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

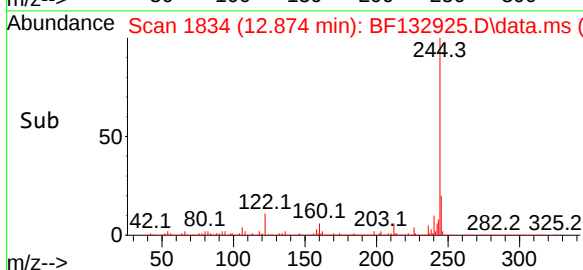
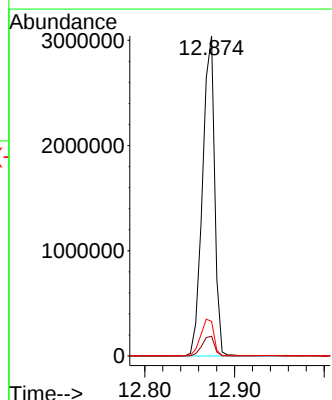
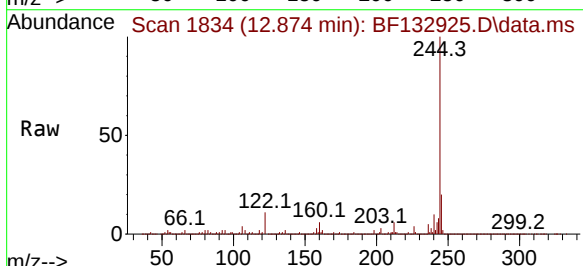
Tgt Ion:244 Resp: 2854149

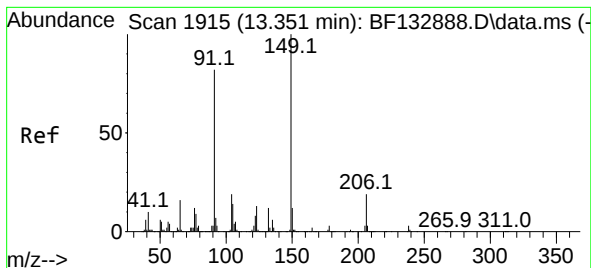
Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

122 10.8 9.6 14.4





#80

Butylbenzylphthalate

Concen: 5.474 ng

RT: 13.551 min Scan# 1915

Delta R.T. 0.200 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Instrument :

BNA_F

ClientSampleId :

SPB-3WC-23-04-17

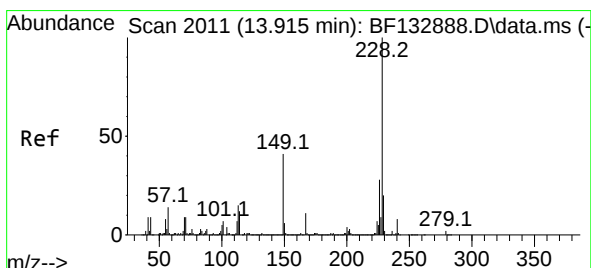
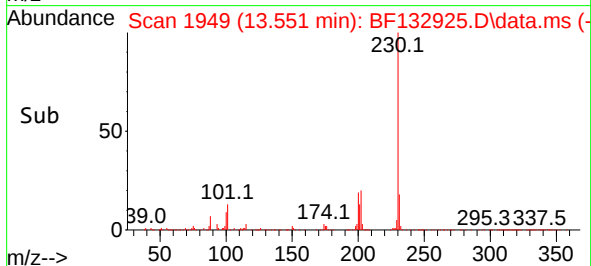
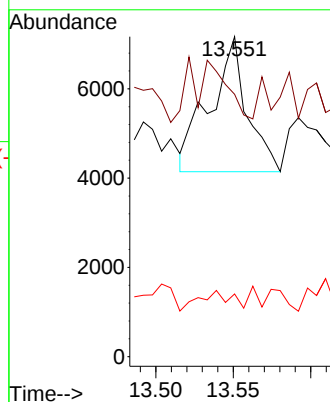
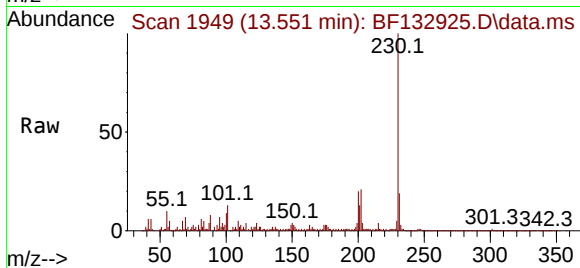
Tgt Ion:149 Resp: 5016

Ion Ratio Lower Upper

149 100

91 82.0 65.4 98.0

206 19.6 15.6 23.4



#81

Benzo(a)anthracene

Concen: 24.402 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

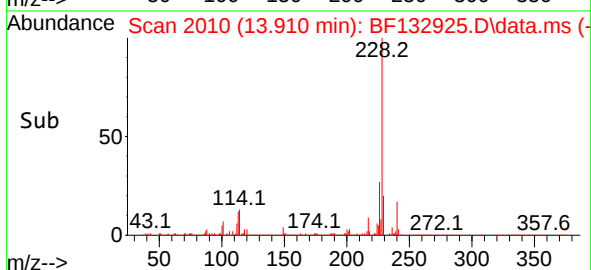
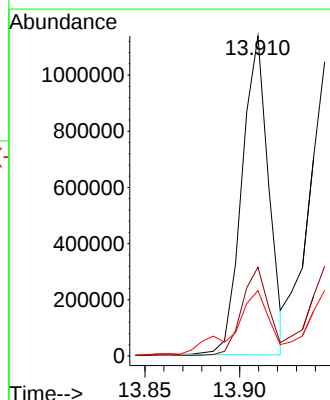
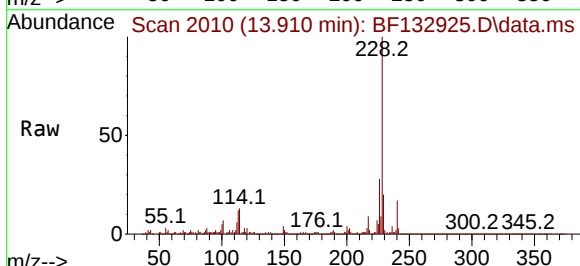
Tgt Ion:228 Resp: 1108617

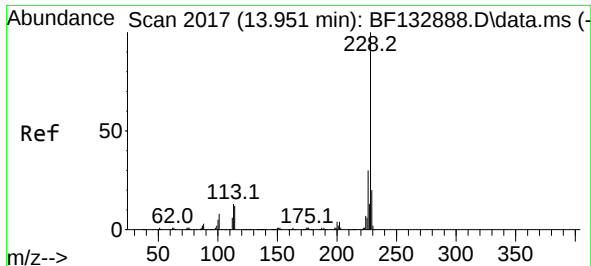
Ion Ratio Lower Upper

228 100

226 27.7 22.4 33.6

229 20.5 16.2 24.2





#83

Chrysene

Concen: 20.768 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Instrument :

BNA_F

ClientSampleId :

SPB-3WC-23-04-17

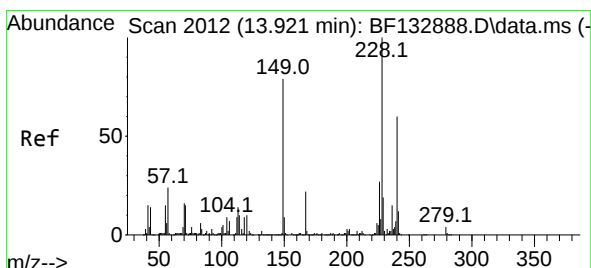
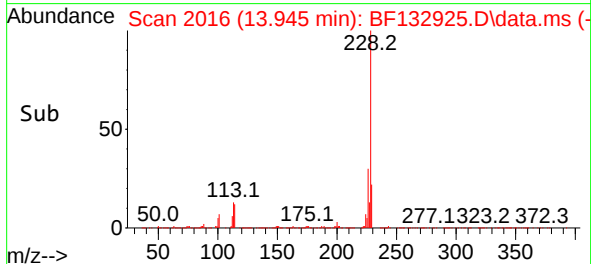
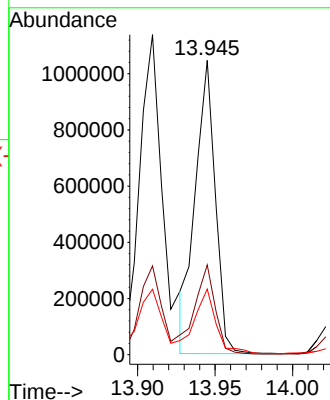
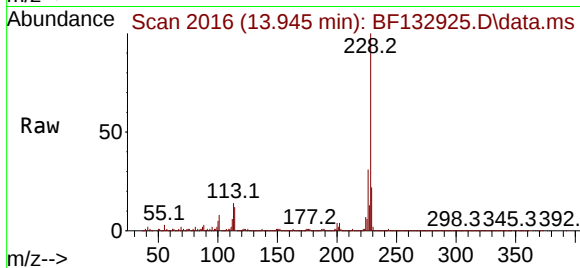
Tgt Ion:228 Resp: 937805

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 22.3 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.653 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.011 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

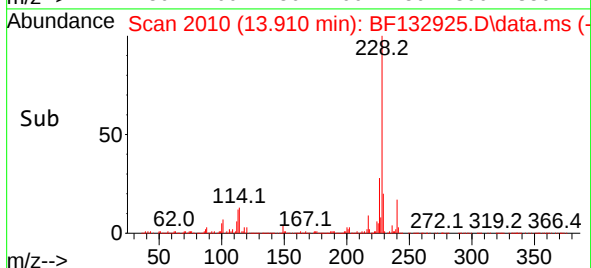
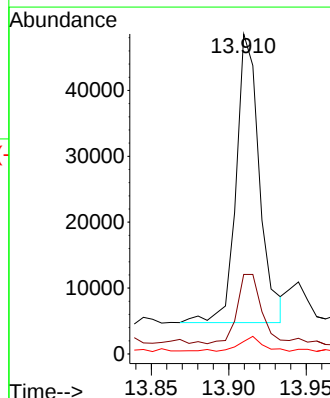
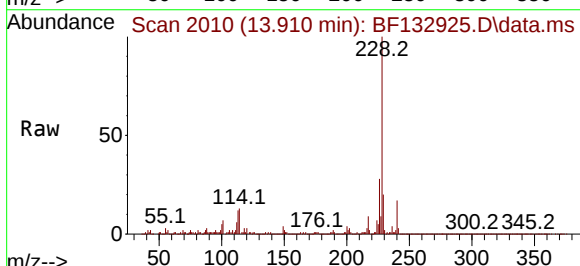
Tgt Ion:149 Resp: 45843

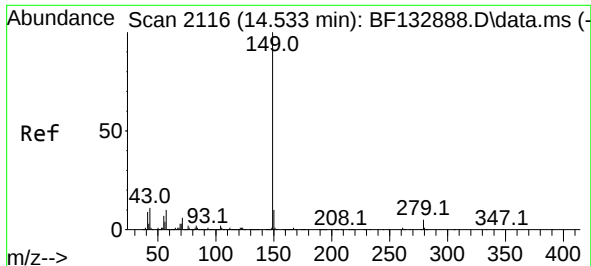
Ion Ratio Lower Upper

149 100

167 24.9 22.2 33.4

279 3.9 4.2 6.2#

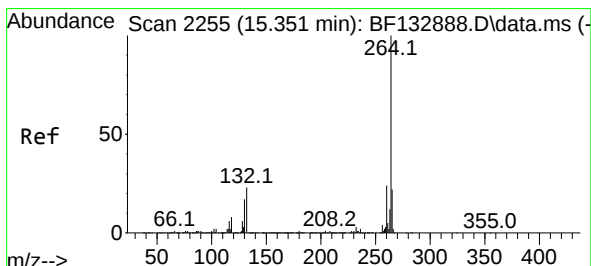
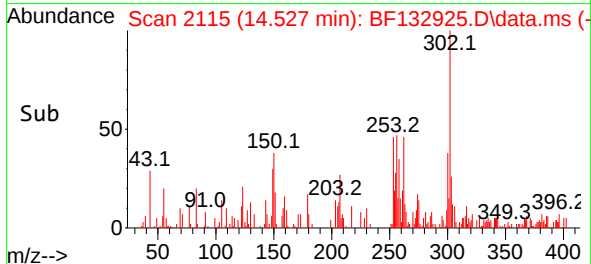
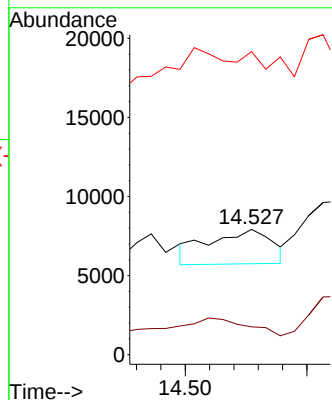
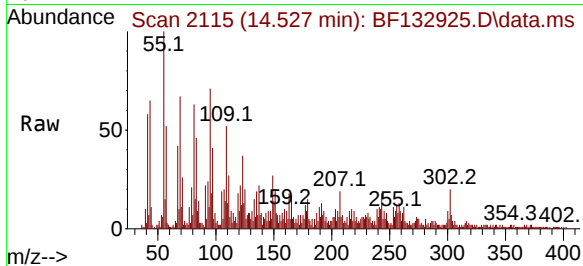




#85
Di-n-octyl phthalate
Concen: 6.473 ng
RT: 14.527 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

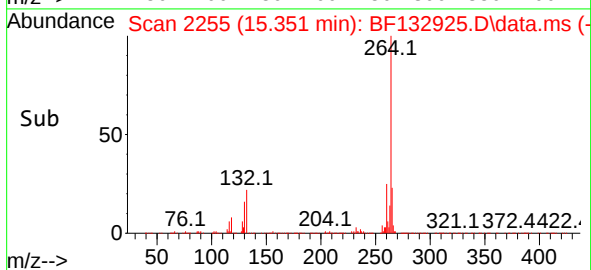
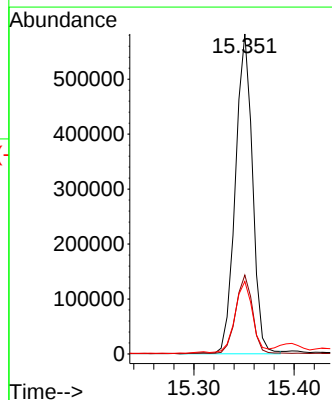
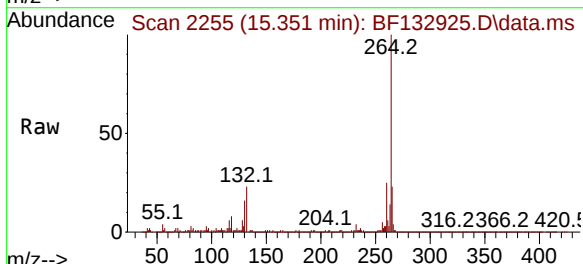
Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

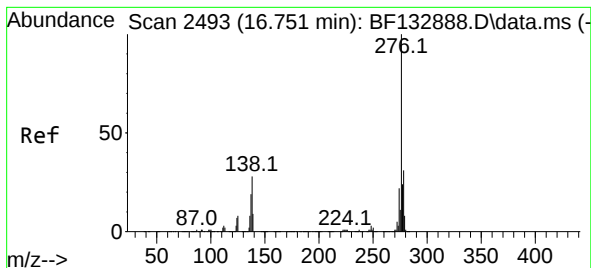
Tgt Ion:149 Resp: 3903
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 11.5 17.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.000 min
Lab File: BF132925.D
Acq: 19 Apr 2023 22:14

Tgt Ion:264 Resp: 690618
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 22.7 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.361 ng

RT: 16.739 min Scan# 2491

Delta R.T. -0.012 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Instrument :

BNA_F

ClientSampleId :

SPB-3WC-23-04-17

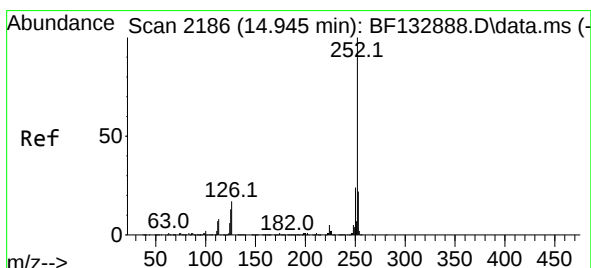
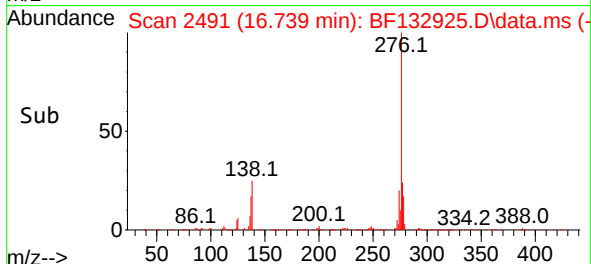
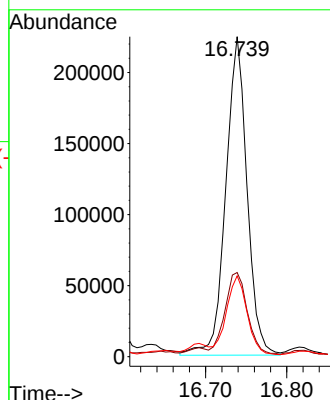
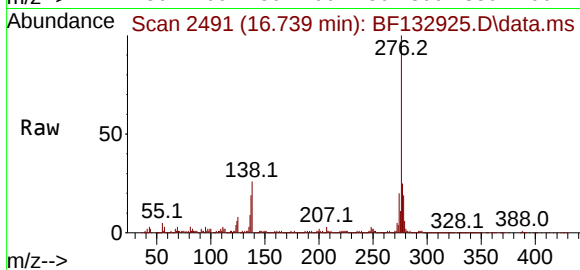
Tgt Ion:276 Resp: 408868

Ion Ratio Lower Upper

276 100

138 26.7 25.5 38.3

277 24.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 34.426 ng

RT: 14.939 min Scan# 2185

Delta R.T. -0.006 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

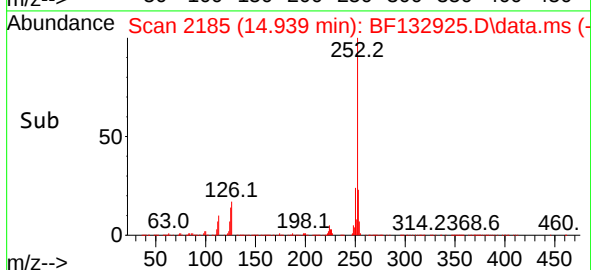
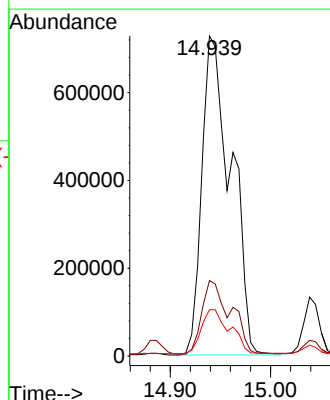
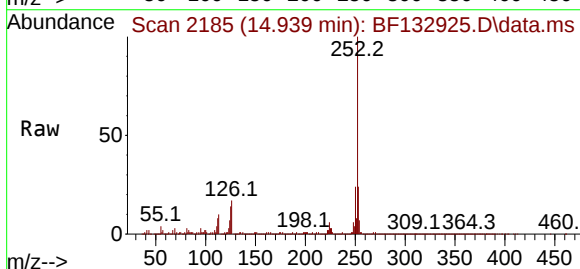
Tgt Ion:252 Resp: 1480983

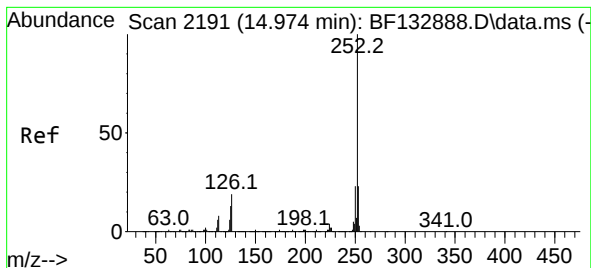
Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

125 14.5 10.0 15.0





#89

Benzo(k)fluoranthene

Concen: 34.559 ng

RT: 14.939 min Scan# 2191

Delta R.T. -0.035 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Instrument :

BNA_F

ClientSampleId :

SPB-3WC-23-04-17

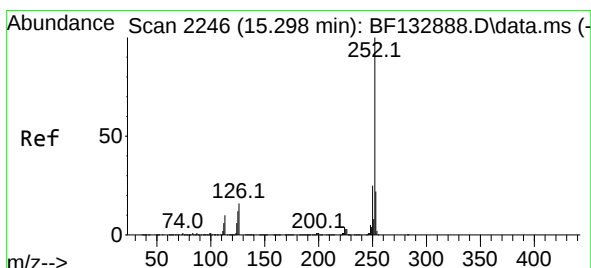
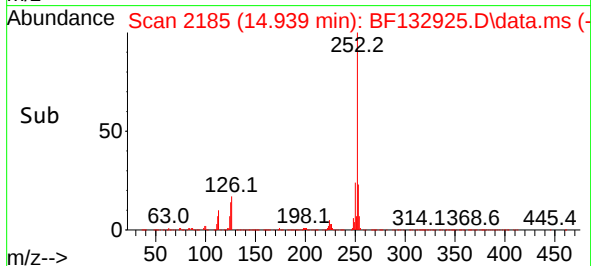
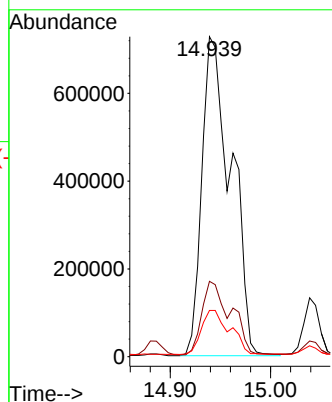
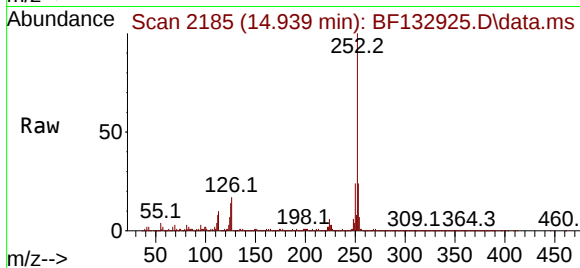
Tgt Ion:252 Resp: 1480983

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 14.5 10.0 15.0



#90

Benzo(a)pyrene

Concen: 18.300 ng

RT: 15.286 min Scan# 2244

Delta R.T. -0.012 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

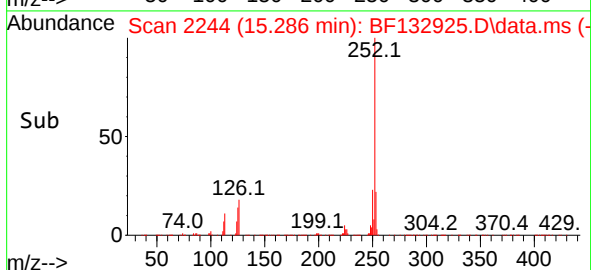
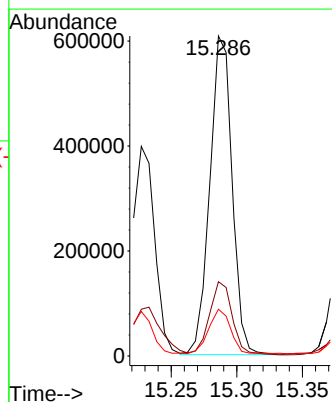
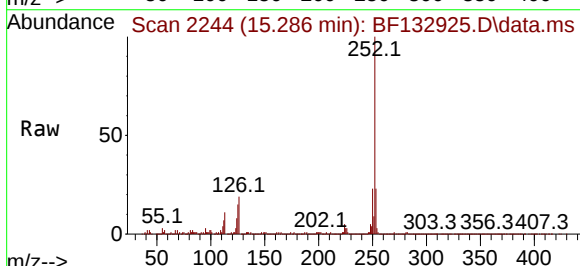
Tgt Ion:252 Resp: 719235

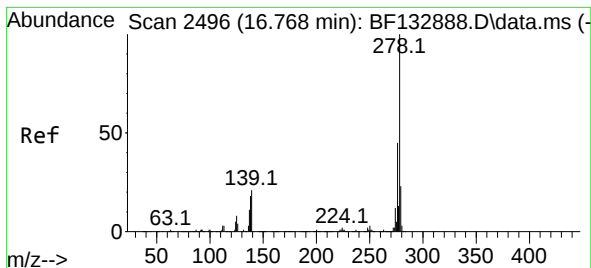
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 14.6 9.9 14.9





#91

Dibenzo(a,h)anthracene

Concen: 2.798 ng

RT: 16.909 min Scan# 2520

Delta R.T. 0.141 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Instrument :

BNA_F

ClientSampleId :

SPB-3WC-23-04-17

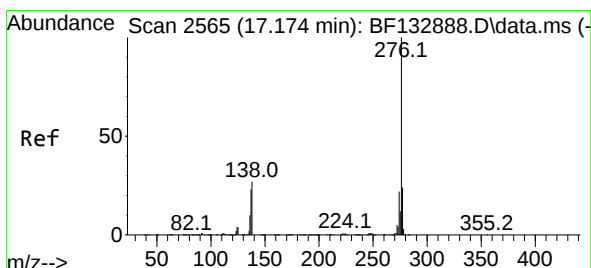
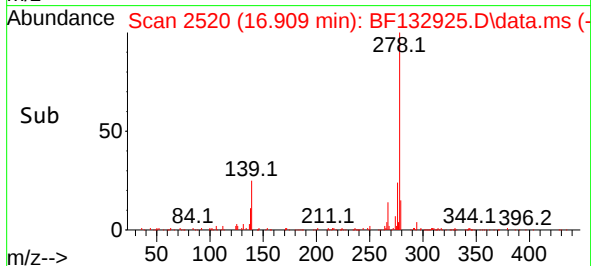
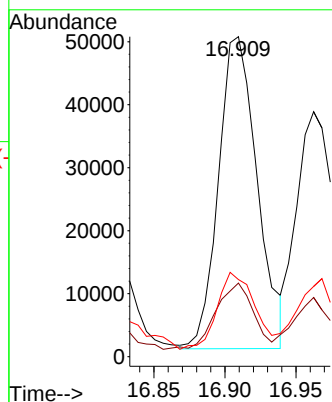
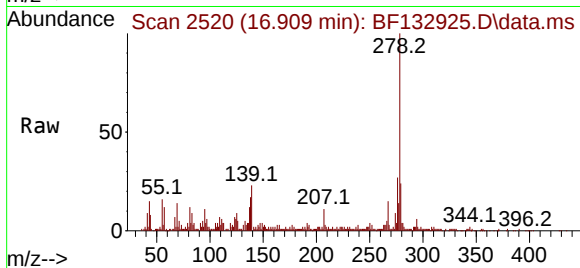
Tgt Ion:278 Resp: 94072

Ion Ratio Lower Upper

278 100

139 23.0 16.7 25.1

279 24.1 18.4 27.6



#92

Benzo(g,h,i)perylene

Concen: 9.993 ng

RT: 17.156 min Scan# 2562

Delta R.T. -0.018 min

Lab File: BF132925.D

Acq: 19 Apr 2023 22:14

Tgt Ion:276 Resp: 321718

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 29.4 21.7 32.5

