

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141001.D
 Acq On : 27 Dec 2024 17:21
 Operator : RC/JU
 Sample : P5362-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219

Quant Time: Dec 27 17:48:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

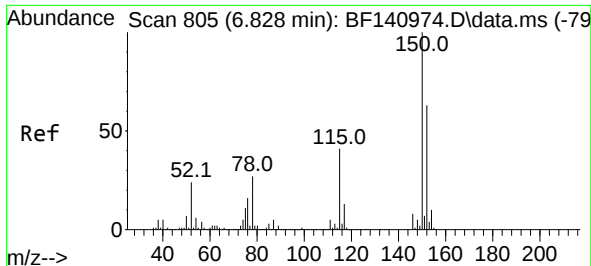
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	238861	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	951783	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	518878	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	859465	20.000	ng	0.00
76) Chrysene-d12	13.974	240	501333	20.000	ng	-0.01
86) Perylene-d12	15.433	264	533337	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1818075	114.733	ng	0.00
7) Phenol-d6	6.439	99	2322021	113.751	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1428709	96.036	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	642160	127.363	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2457979	75.473	ng	0.00
79) Terphenyl-d14	12.927	244	2391787	79.244	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1947	Below Cal		88
19) n-Nitroso-di-n-propyla...	7.381	70	191328	15.299 ng	#	80
25) Isophorone	7.381	82	1415749	43.733 ng	#	65
32) Benzoic acid	7.939	122	53	7.697 ng	#	32
48) 2-Nitroaniline	9.398	65	195	4.666 ng	#	34
51) 2,6-Dinitrotoluene	9.857	165	67828	12.658 ng	#	23
54) 2,4-Dinitrophenol	9.710	184	231	6.312 ng	#	1
57) 2,4-Dinitrotoluene	9.857	165	67940	11.729 ng	#	21
63) Azobenzene	10.569	77	208823	5.905 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.639	198	1216	9.629 ng	#	1
67) 4-Bromophenyl-phenylether	10.639	248	40317	4.339 ng	#	1
77) Benzidine	12.927	184	31347	2.959 ng	#	93
78) Pyrene	12.780	202	112203	2.559 ng		98
88) Benzo(b)fluoranthene	15.010	252	123714	3.326 ng		98
89) Benzo(k)fluoranthene	15.010	252	123714	4.243 ng		98
90) Benzo(a)pyrene	15.368	252	115841	4.012 ng		100
92) Benzo(g,h,i)perylene	17.298	276	119214	4.220 ng		99

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

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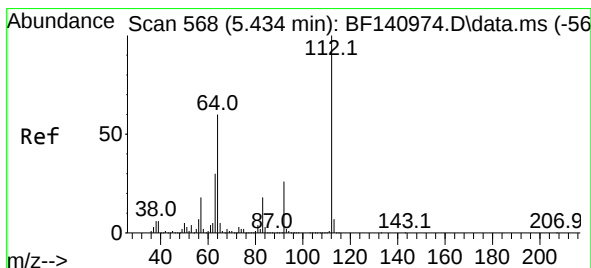
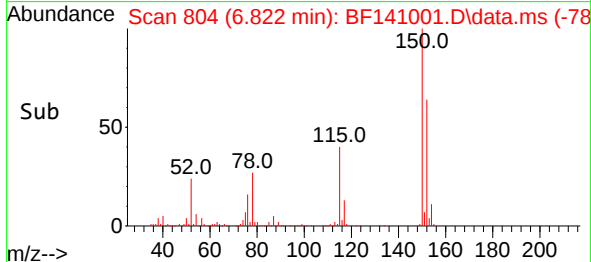
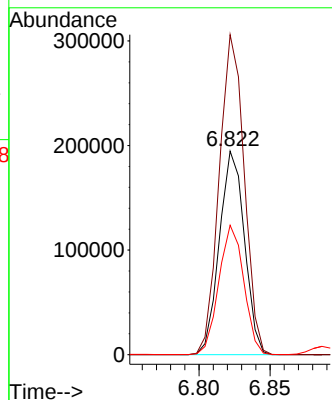
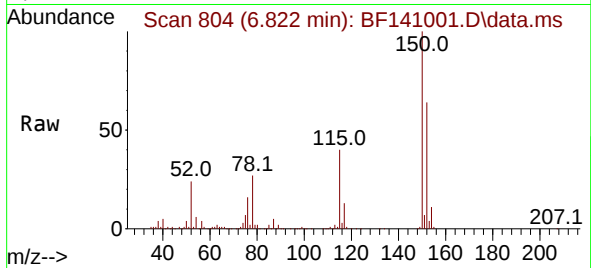




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 805
 Delta R.T. -0.006 min
 Lab File: BF141001.D
 Acq: 27 Dec 2024 17:21

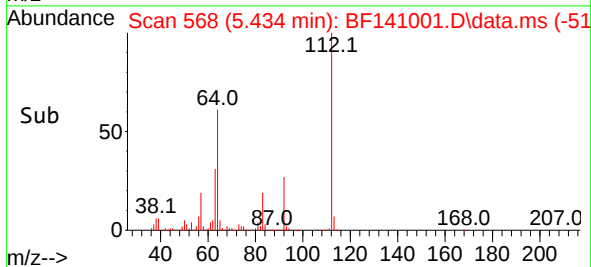
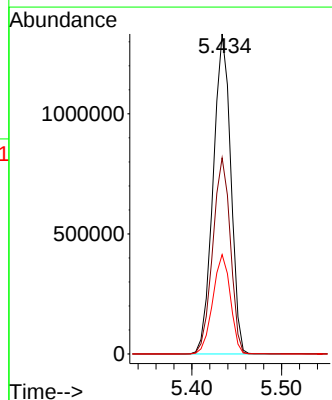
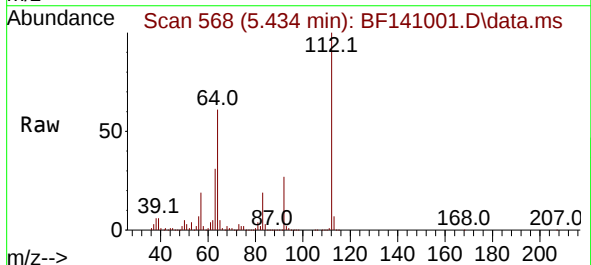
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219

Tgt Ion:152 Resp: 238861
 Ion Ratio Lower Upper
 152 100
 150 157.2 127.0 190.6
 115 63.6 51.7 77.5



#5
 2-Fluorophenol
 Concen: 114.733 ng
 RT: 5.434 min Scan# 568
 Delta R.T. -0.000 min
 Lab File: BF141001.D
 Acq: 27 Dec 2024 17:21

Tgt Ion:112 Resp: 1818075
 Ion Ratio Lower Upper
 112 100
 64 61.3 47.7 71.5
 63 31.1 24.2 36.2

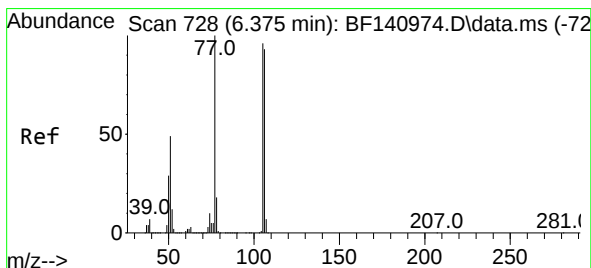
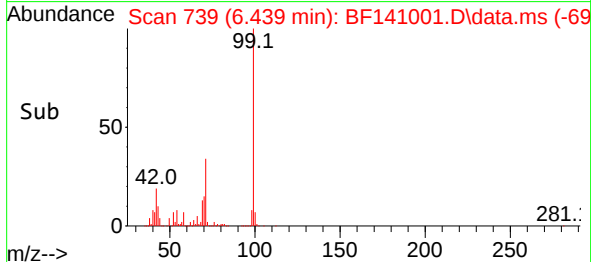
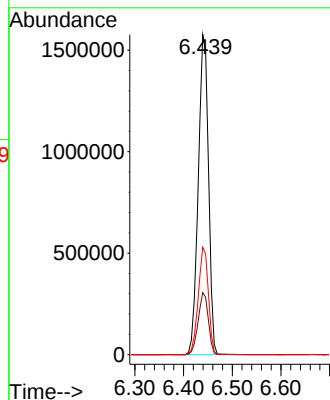
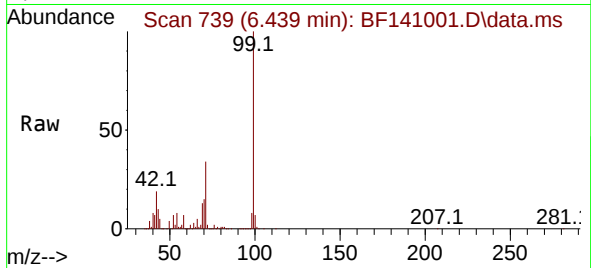




#7
Phenol-d6
Concen: 113.751 ng
RT: 6.439 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

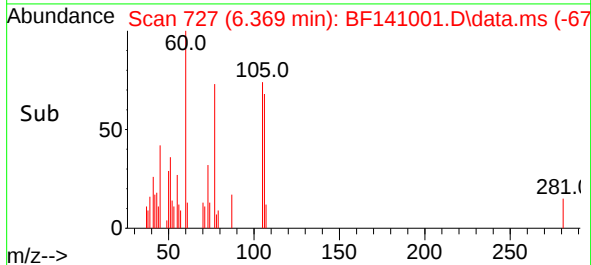
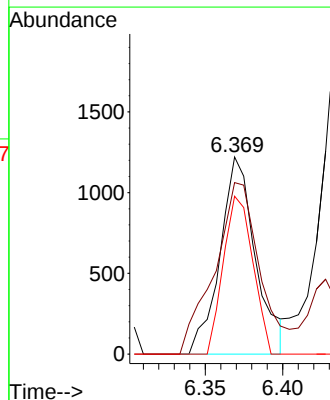
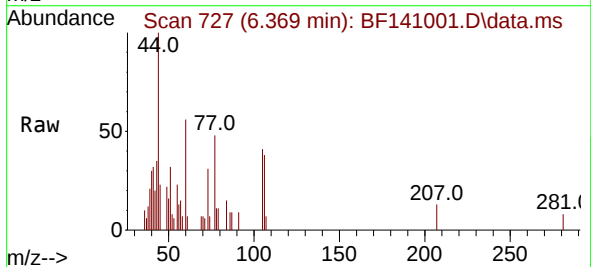
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BNA_F
ClientSampleId :
WC-SOIL-20241219

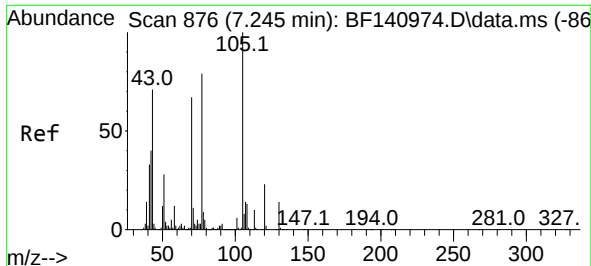
Tgt Ion: 99 Resp: 2322021
Ion Ratio Lower Upper
99 100
42 19.4 15.0 22.4
71 33.6 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion: 77 Resp: 1947
Ion Ratio Lower Upper
77 100
105 87.0 76.2 116.2
106 80.1 73.4 113.4

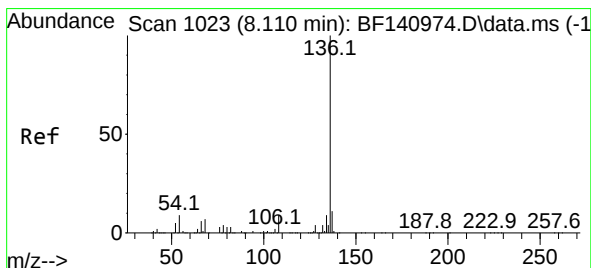
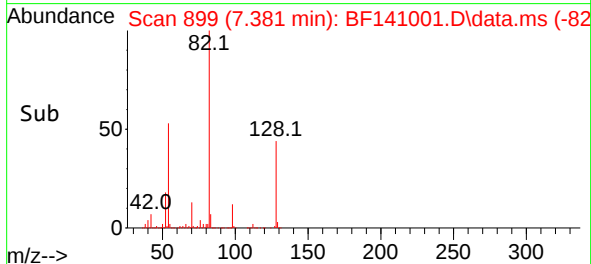
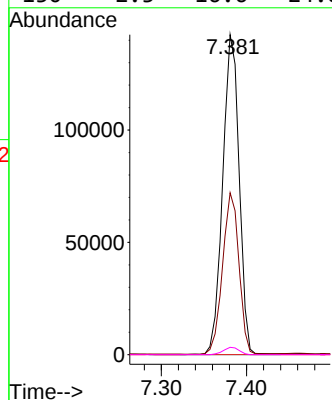
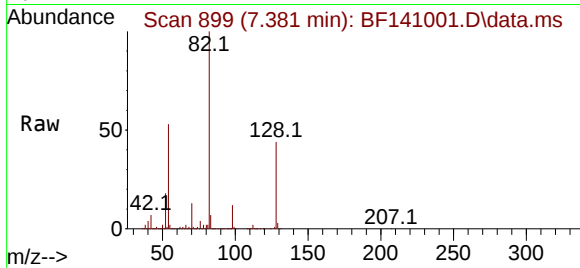




#19
n-Nitroso-di-n-propylamine
Concen: 15.299 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

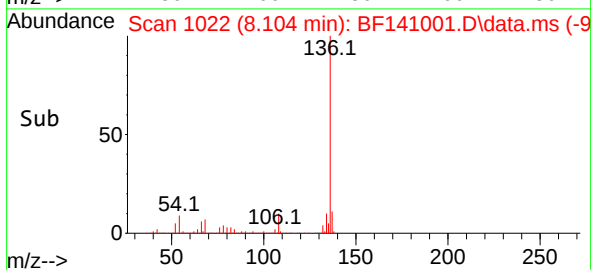
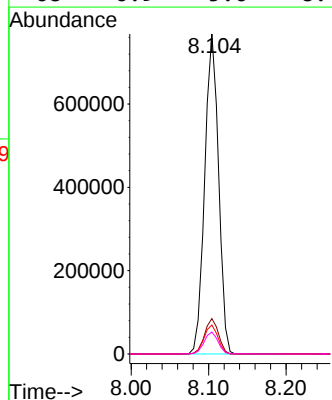
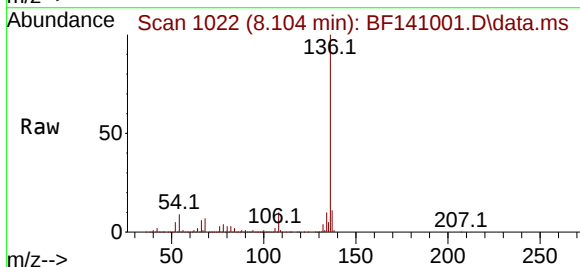
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

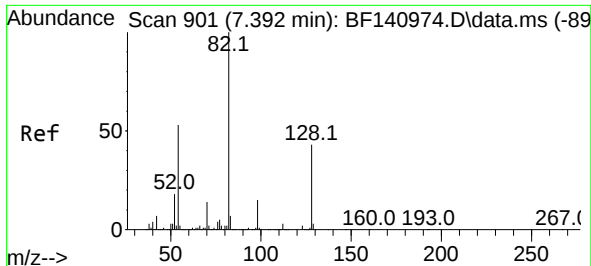
Tgt Ion: 70 Resp: 191328
Ion Ratio Lower Upper
70 100
42 50.6 48.1 72.1
101 0.0 7.6 11.4#
130 2.3 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion: 136 Resp: 951783
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.0 7.6 11.4
68 6.9 5.6 8.4





#23

Nitrobenzene-d5

Concen: 96.036 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

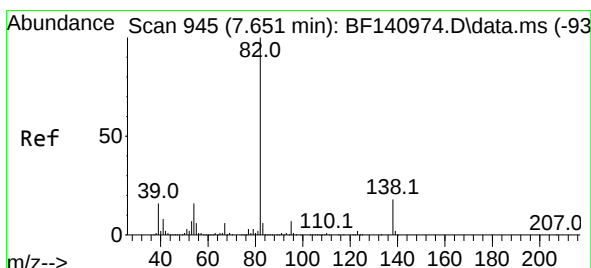
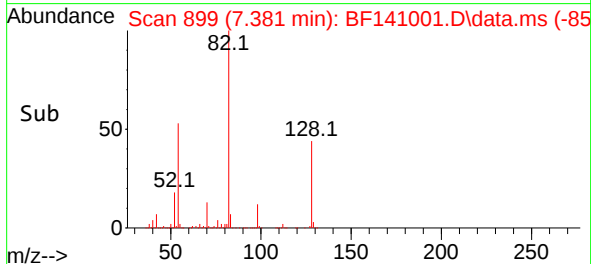
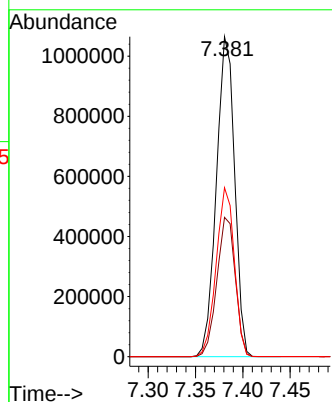
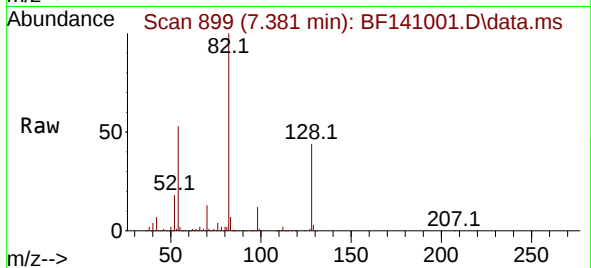
Tgt Ion: 82 Resp: 1428709

Ion Ratio Lower Upper

82 100

128 43.6 34.4 51.6

54 52.8 42.4 63.6



#25

Isophorone

Concen: 43.733 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.271 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

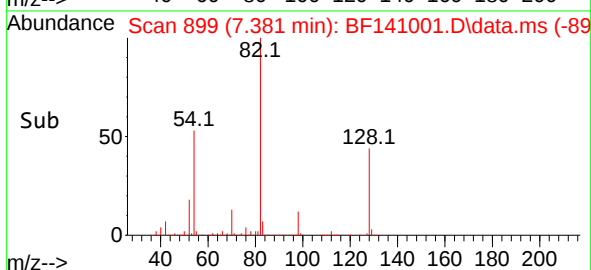
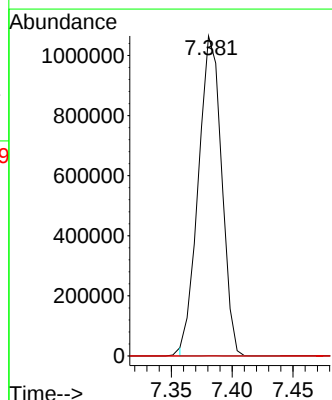
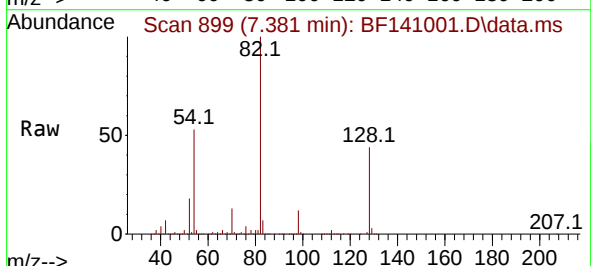
Tgt Ion: 82 Resp: 1415749

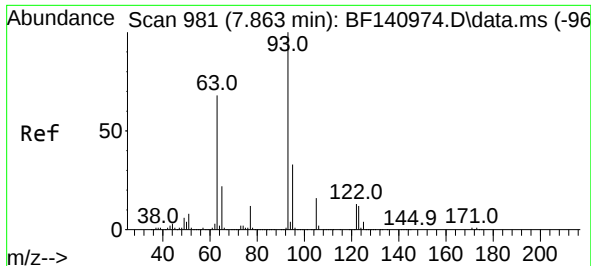
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 21.8#

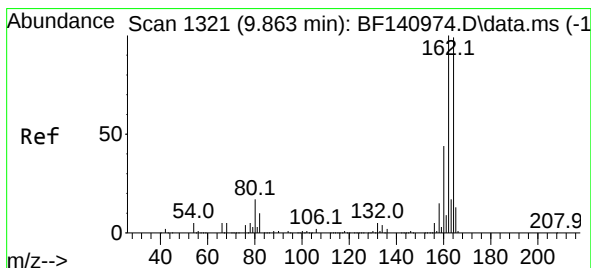
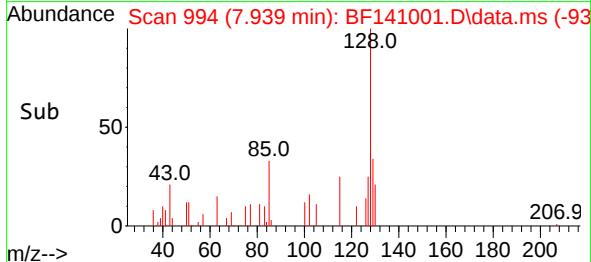
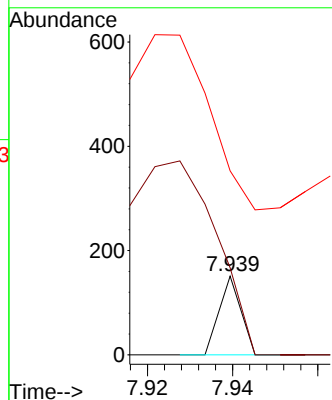
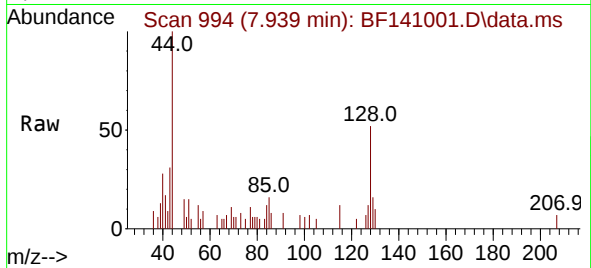




#32
Benzoic acid
Concen: 7.697 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.076 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

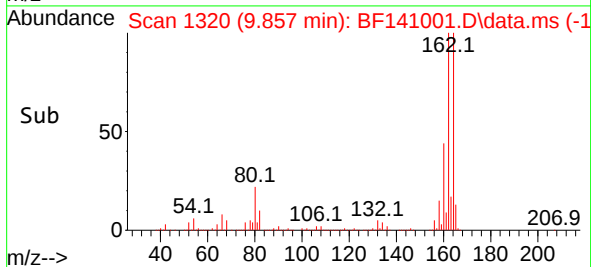
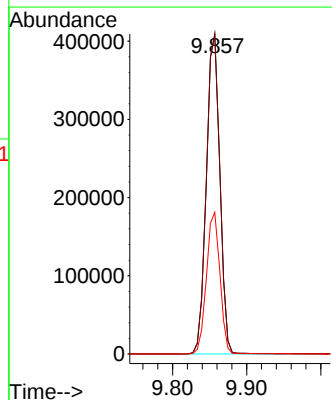
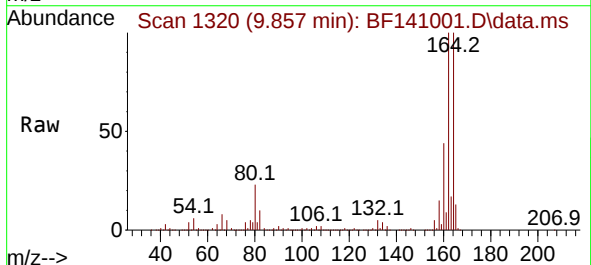
Instrument :
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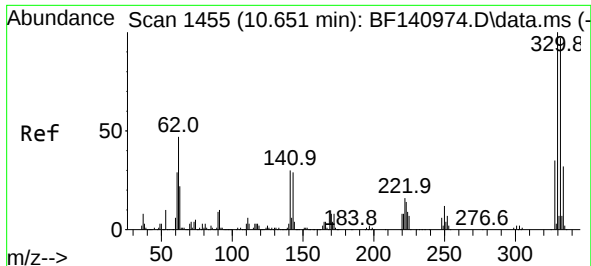
Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 110.6 105.4 145.4
77 233.8 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:164 Resp: 518878
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 44.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 127.363 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

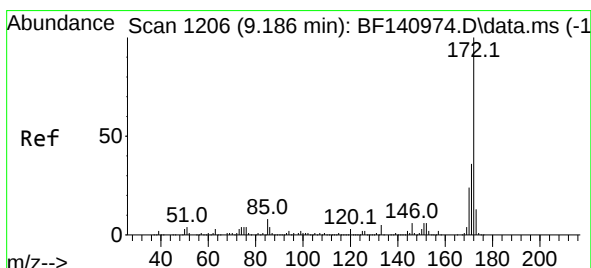
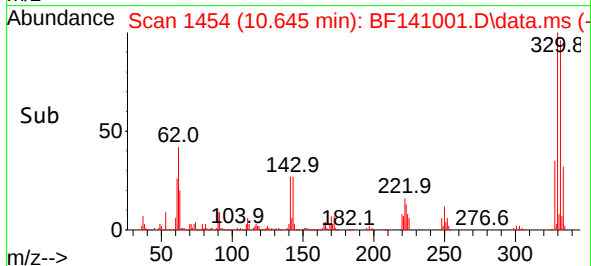
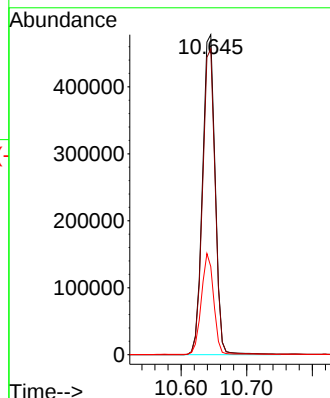
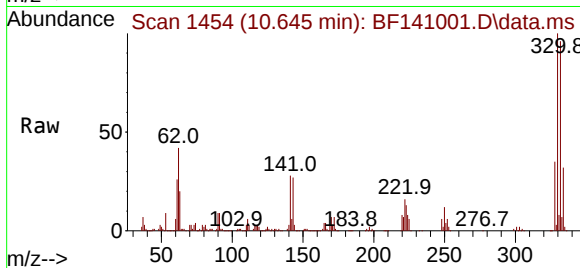
Tgt Ion:330 Resp: 642160

Ion Ratio Lower Upper

330 100

332 95.3 78.0 117.0

141 30.7 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 75.473 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

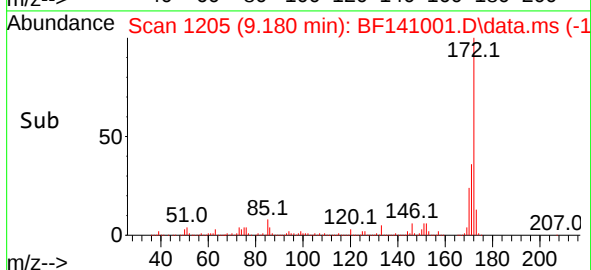
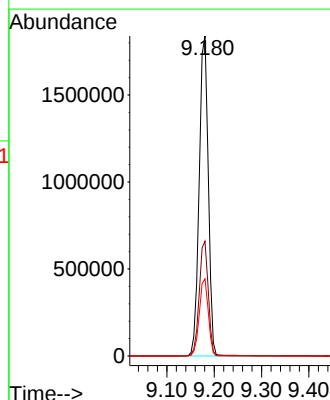
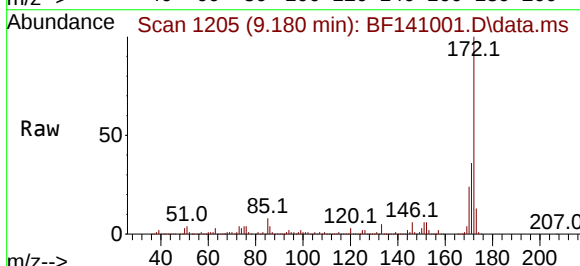
Tgt Ion:172 Resp: 2457979

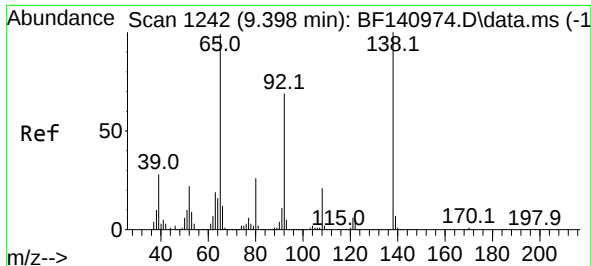
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.4

170 24.1 19.6 29.4

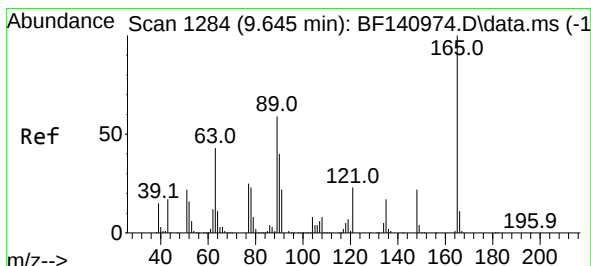
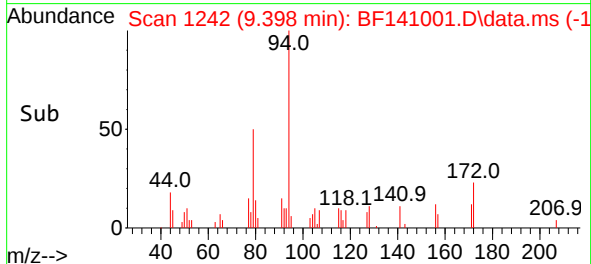
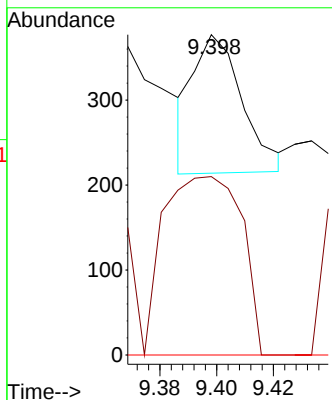
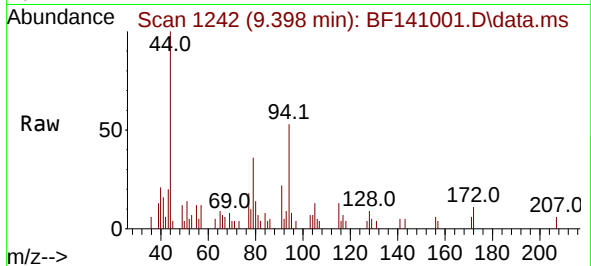




#48
 2-Nitroaniline
 Concen: 4.666 ng
 RT: 9.398 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141001.D
 Acq: 27 Dec 2024 17:21

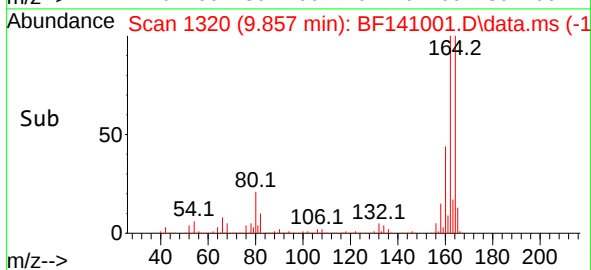
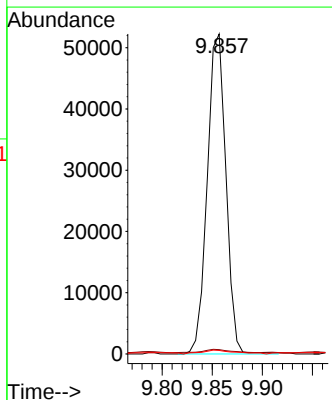
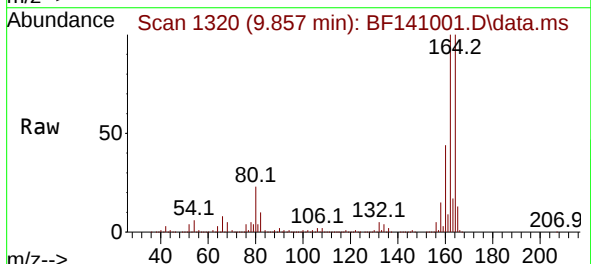
Instrument :
 BNA_F
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 WC-SOIL-20241219

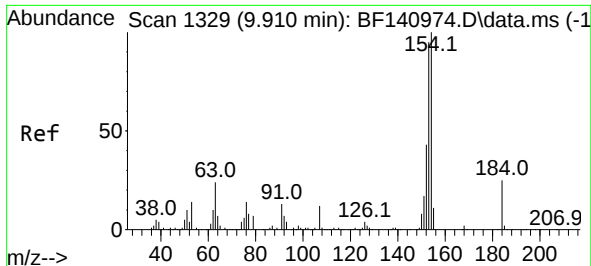
Tgt Ion: 65 Resp: 195
 Ion Ratio Lower Upper
 65 100
 92 55.7 55.6 83.4
 138 0.0 80.5 120.7#



#51
 2,6-Dinitrotoluene
 Concen: 12.658 ng
 RT: 9.857 min Scan# 1320
 Delta R.T. 0.212 min
 Lab File: BF141001.D
 Acq: 27 Dec 2024 17:21

Tgt Ion: 165 Resp: 67828
 Ion Ratio Lower Upper
 165 100
 63 1.4 47.1 70.7#
 89 1.1 47.0 70.4#

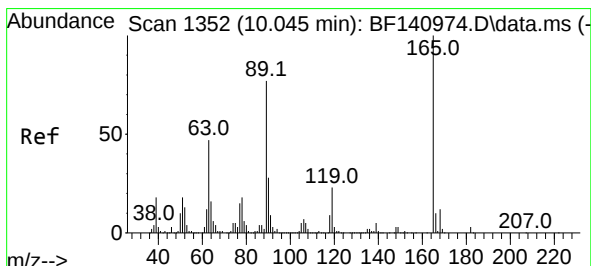
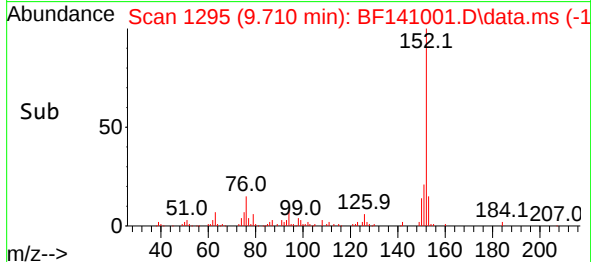
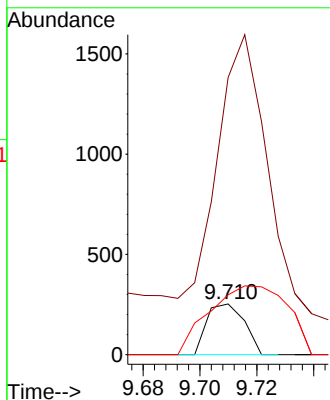
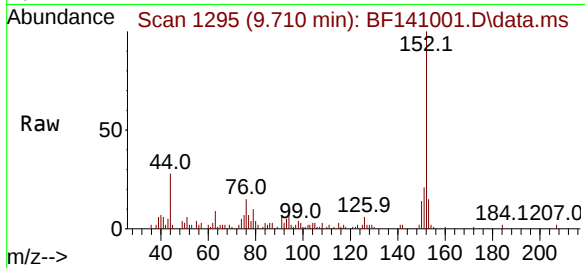




#54
2,4-Dinitrophenol
Concen: 6.312 ng
RT: 9.710 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

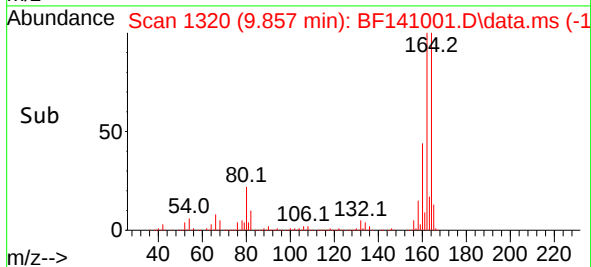
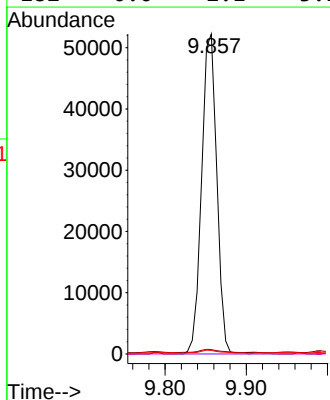
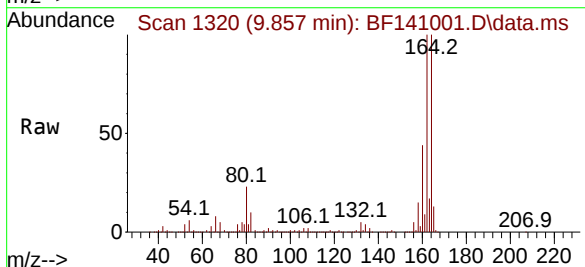
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

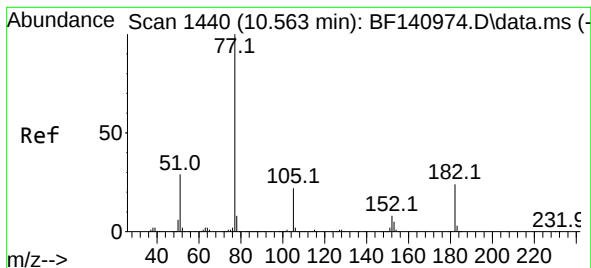
Tgt Ion:184 Resp: 231
Ion Ratio Lower Upper
184 100
63 546.2 81.6 122.4#
154 117.8 363.5 545.3#



#57
2,4-Dinitrotoluene
Concen: 11.729 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:165 Resp: 67940
Ion Ratio Lower Upper
165 100
63 1.4 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 5.905 ng

RT: 10.569 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

Tgt Ion: 77 Resp: 208823

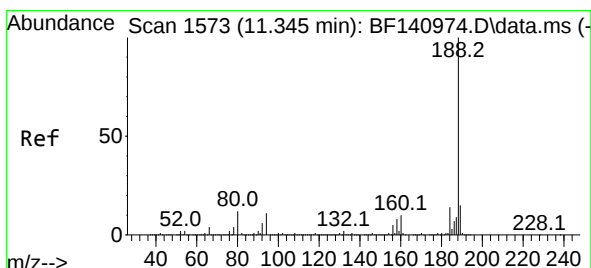
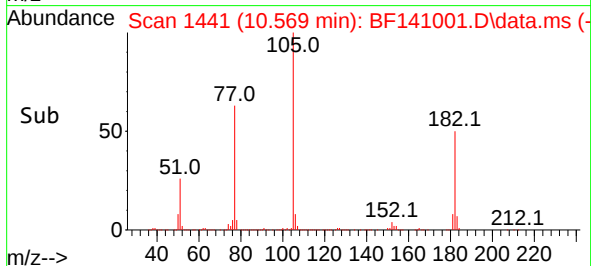
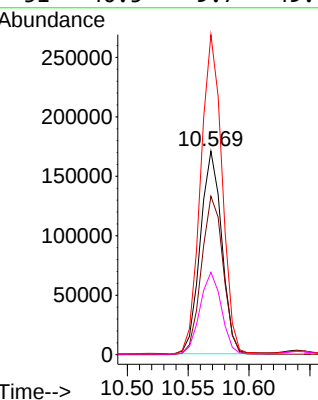
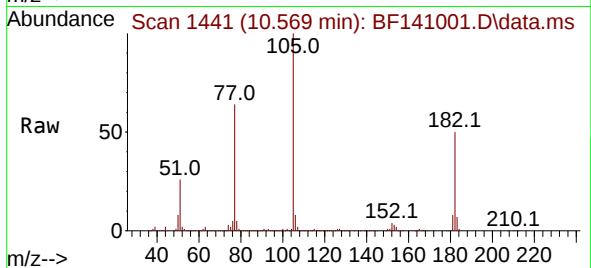
Ion Ratio Lower Upper

77 100

182 77.8 4.1 44.1#

105 157.2 1.8 41.8#

51 40.5 9.7 49.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

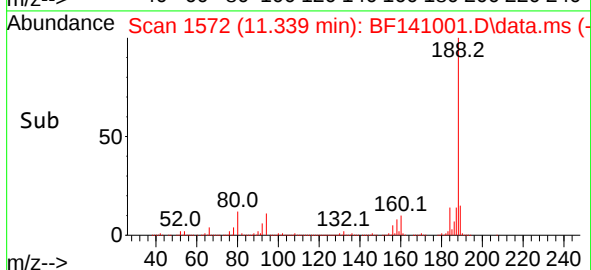
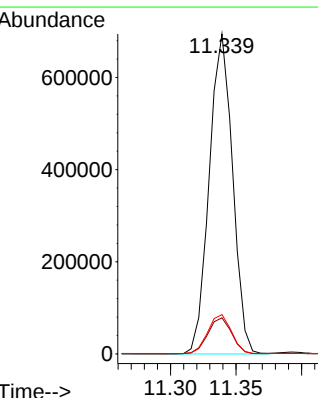
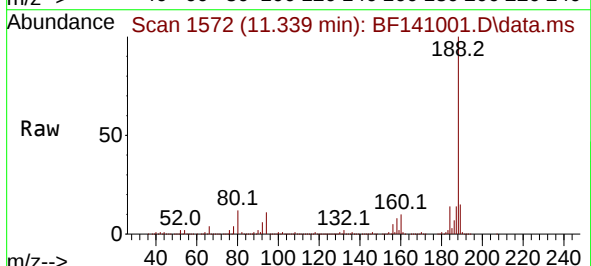
Tgt Ion: 188 Resp: 859465

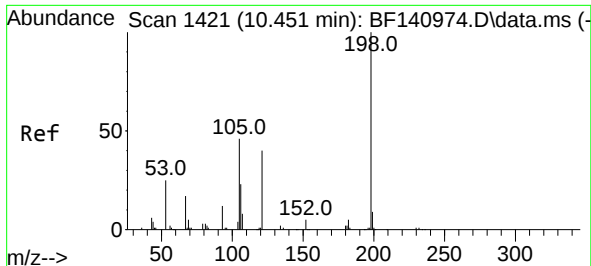
Ion Ratio Lower Upper

188 100

94 11.3 9.0 13.6

80 12.3 9.8 14.6

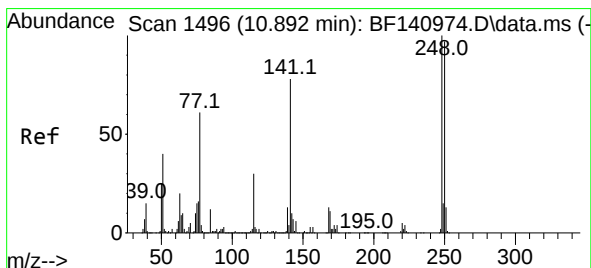
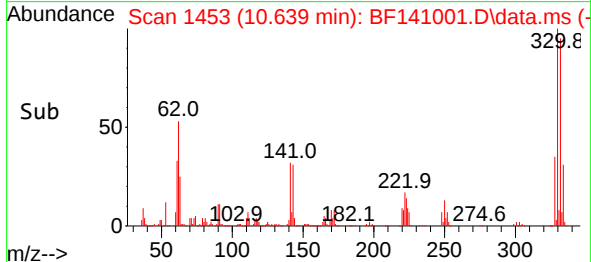
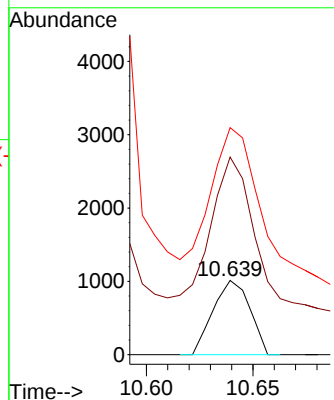
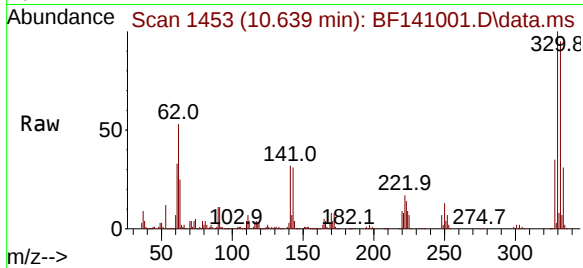




#65
4,6-Dinitro-2-methylphenol
Concen: 9.629 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.188 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

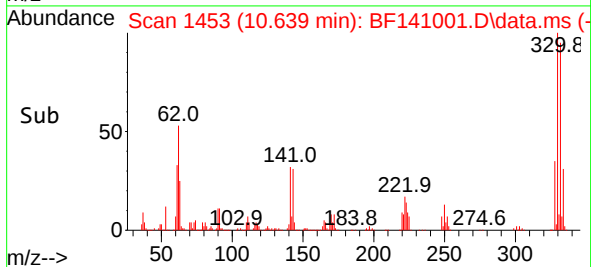
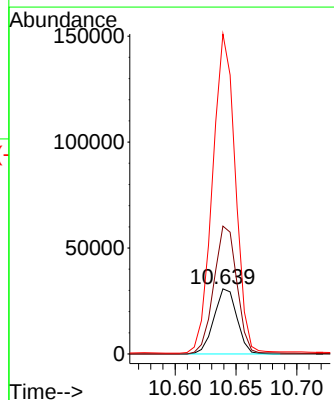
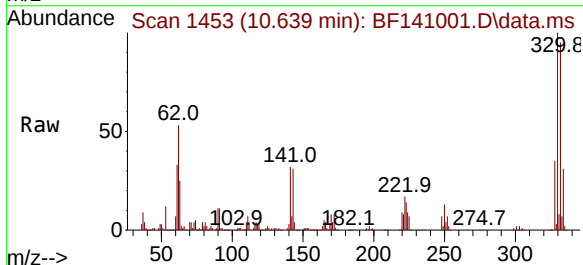
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

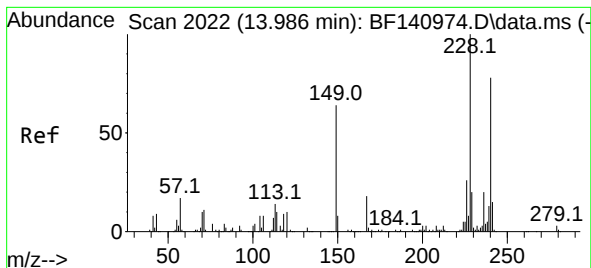
Tgt Ion:198 Resp: 1216
Ion Ratio Lower Upper
198 100
51 266.3 32.3 72.3#
105 306.0 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 4.339 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:248 Resp: 40317
Ion Ratio Lower Upper
248 100
250 196.3 77.7 116.5#
141 491.5 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

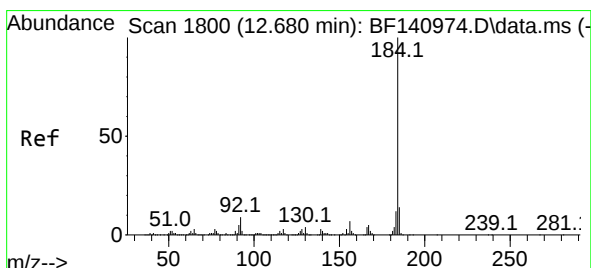
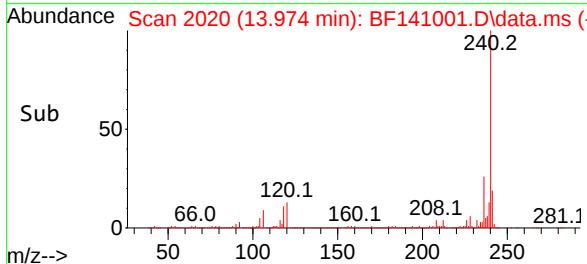
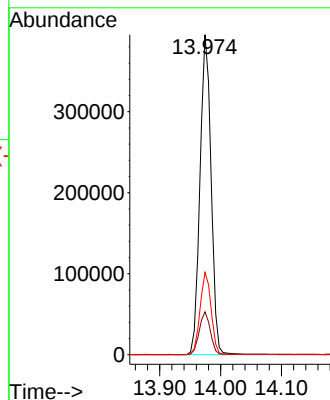
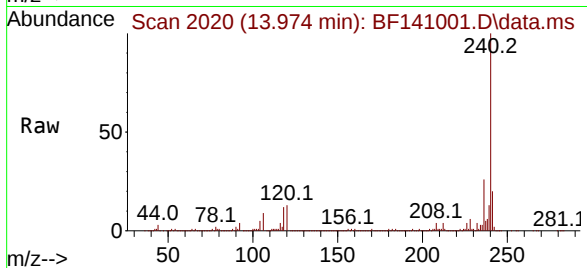
Tgt Ion:240 Resp: 501333

Ion Ratio Lower Upper

240 100

120 13.4 10.7 16.1

236 25.7 20.6 31.0



#77

Benidine

Concen: 2.959 ng

RT: 12.927 min Scan# 1842

Delta R.T. 0.247 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

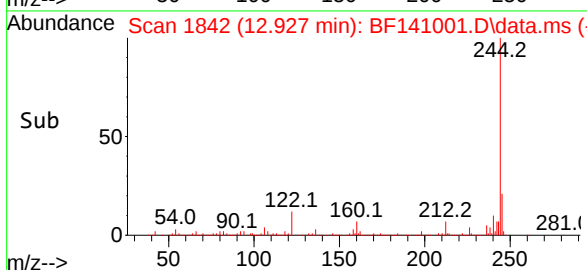
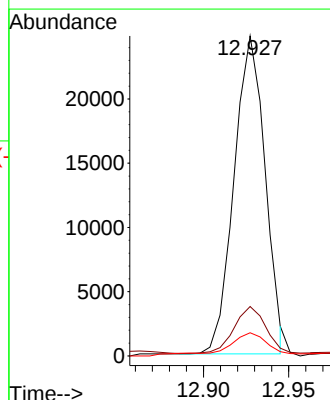
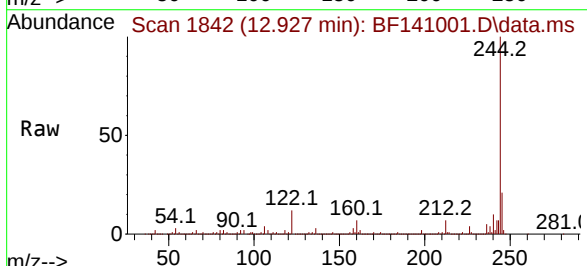
Tgt Ion:184 Resp: 31347

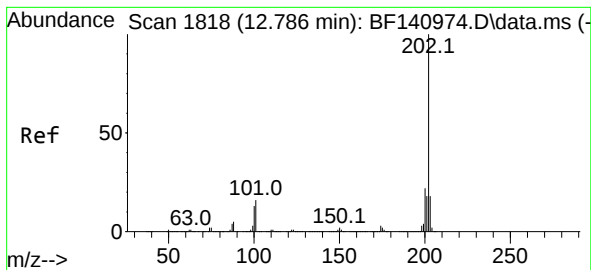
Ion Ratio Lower Upper

184 100

185 15.5 11.4 17.2

183 7.3 9.4 14.0#





#78

Pyrene

Concen: 2.559 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

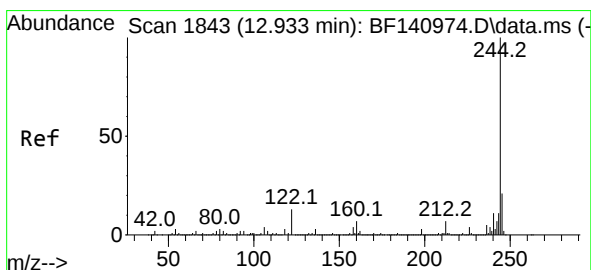
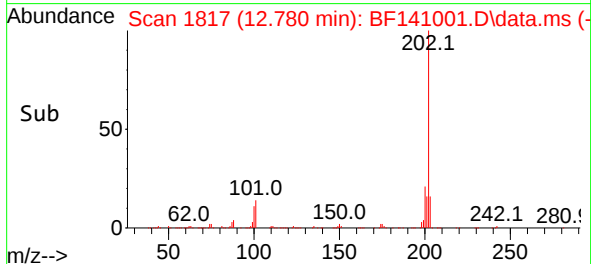
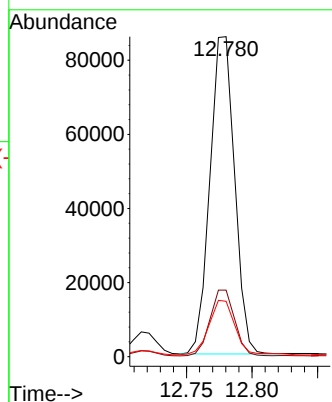
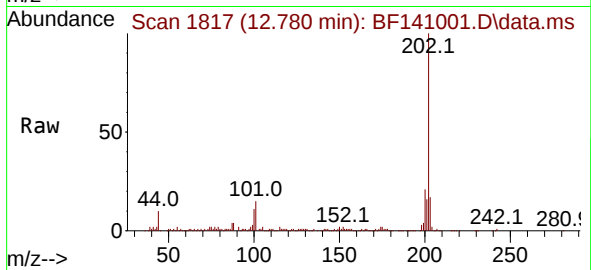
Tgt Ion:202 Resp: 112203

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 17.3 14.6 21.8



#79

Terphenyl-d14

Concen: 79.244 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

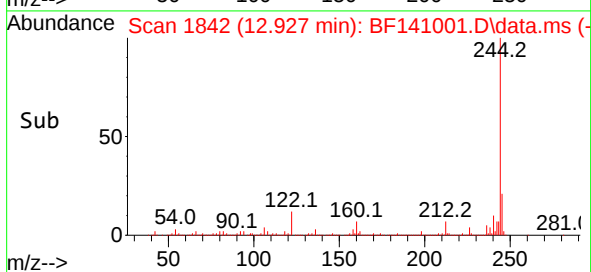
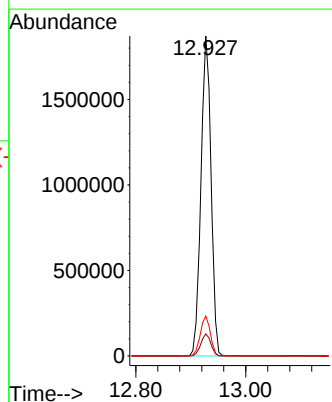
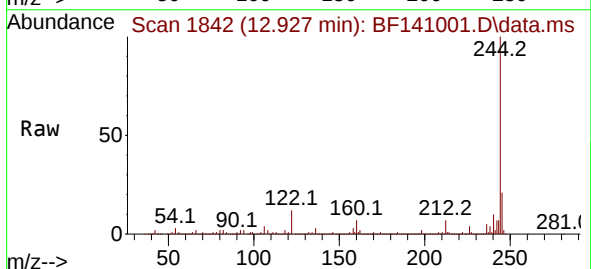
Tgt Ion:244 Resp: 2391787

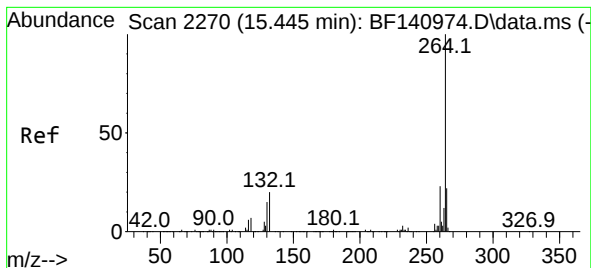
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 12.4 10.2 15.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

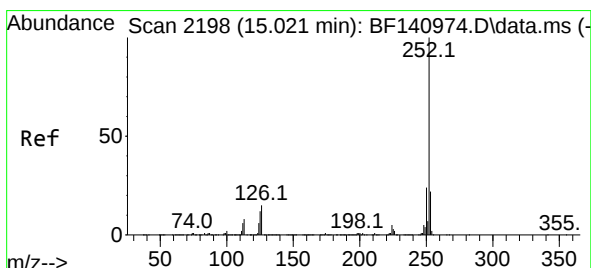
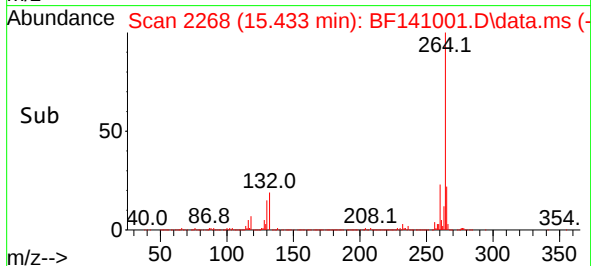
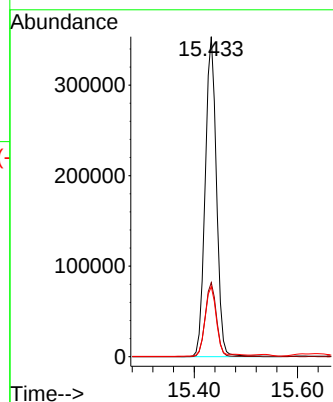
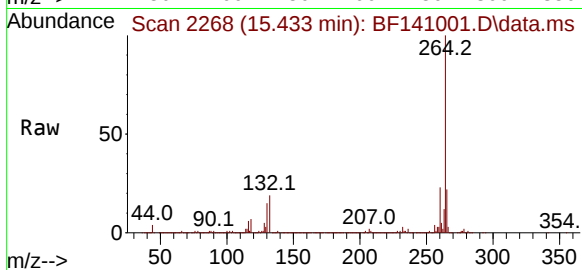
Tgt Ion:264 Resp: 533337

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.9 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.326 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

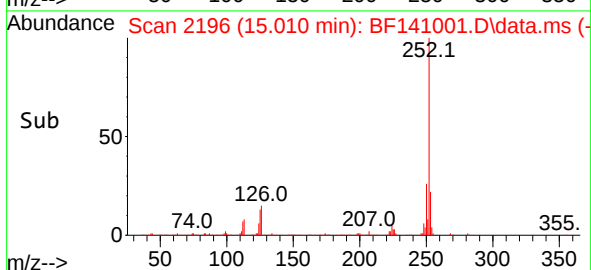
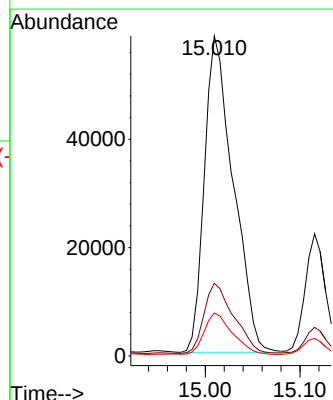
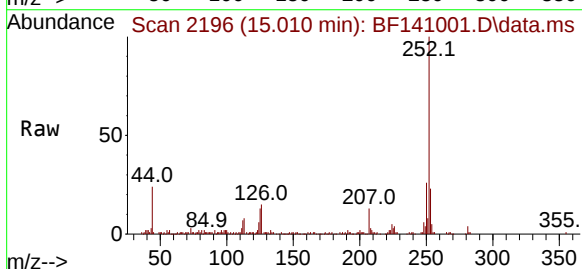
Tgt Ion:252 Resp: 123714

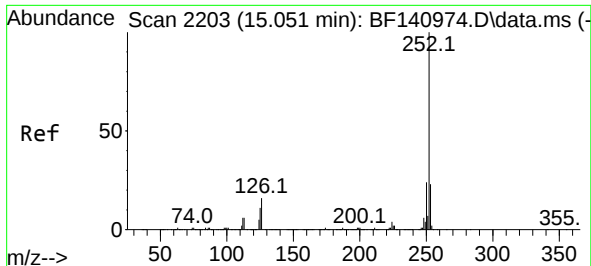
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 13.4 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 4.243 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.041 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

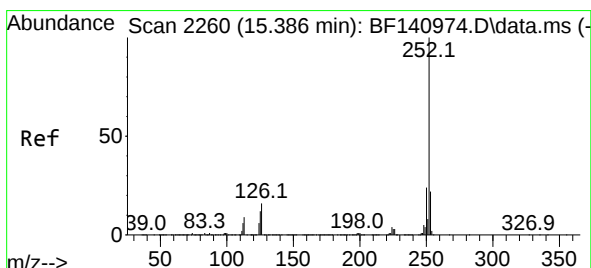
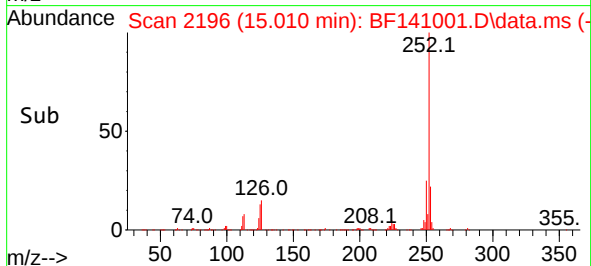
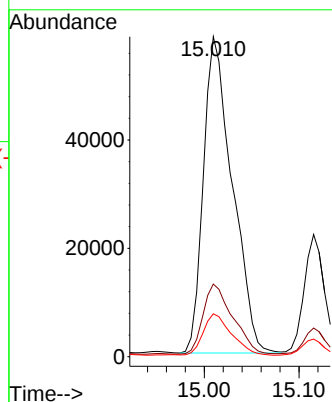
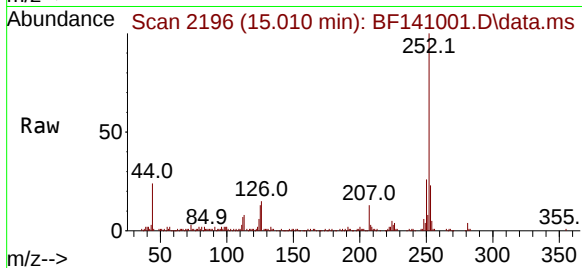
Tgt Ion:252 Resp: 123714

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 13.4 9.4 14.0



#90

Benzo(a)pyrene

Concen: 4.012 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.018 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

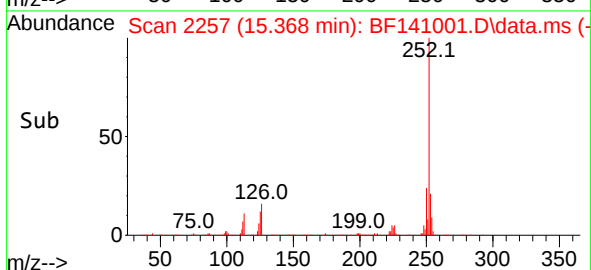
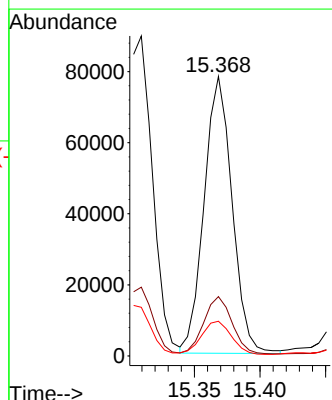
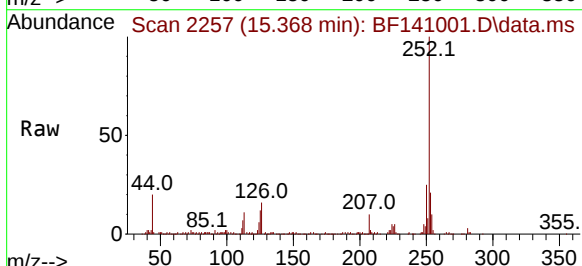
Tgt Ion:252 Resp: 115841

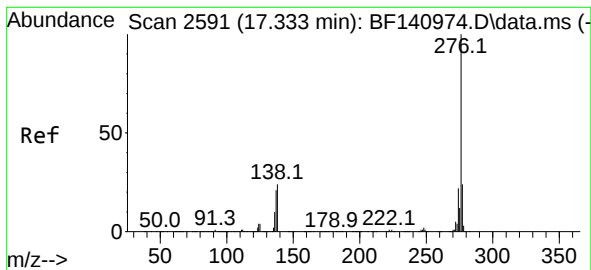
Ion Ratio Lower Upper

252 100

253 21.2 17.2 25.8

125 12.4 9.8 14.8





#92

Benzo(g,h,i)perylene

Concen: 4.220 ng

RT: 17.298 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141001.D

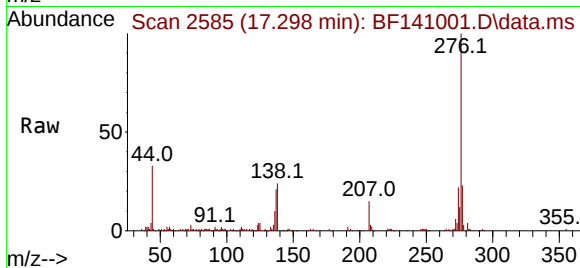
Acq: 27 Dec 2024 17:21

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219



Tgt Ion:276 Resp: 119214

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 24.2 19.4 29.2

